

DATE 03/27/2013

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000030875

APPLICANT ISAAC NICKELSON PHONE 386.965.0985
ADDRESS 198 SW HYDRAULIC WAY LAKE CITY FL 32024
OWNER ISAAC NICKELSON PHONE 386.965.0985
ADDRESS 322 SW SILVER PALM DRIVE LAKE CITY FL 32024
CONTRACTOR ISAAC NICKELSON PHONE 386.965.0985

LOCATION OF PROPERTY 90-W TO C-252, TL TO PRESERVE @ LAUREL LAKE S.D, TR & FOLLOW
ALL THE WAY TO STOP SIGN, TR ON SILVER PALM, SITE ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 136600.00

HEATED FLOOR AREA 1877.00 TOTAL AREA 2732.00 HEIGHT 23.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC

LAND USE & ZONING PRD MAX. HEIGHT 35

Minimum Set Back Requirements: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-16-02731-070 SUBDIVISION PRESERVE @ LAUREL LK

LOT 70 BLOCK PHASE UNIT 1 TOTAL ACRES 0.25

000001998 CBC1258773

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

WAIVER X-13-019 BLK TC N

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ELEVATION CONFIRMATION LETTER REQUIRED @ SLAB. MFE 118.10'

Check # or Cash 1713

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Insulation date/app. by

Rough-in plumbing above slab and below wood floor date/app. by Electrical rough-in date/app. by

Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by Pool date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by

Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 685.00 CERTIFICATION FEE \$ 13.66 SURCHARGE FEE \$ 13.66

MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 25.00 FIRE FEE \$ 0.00 WASTE FEE \$

FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 50.00 CULVERT FEE \$ TOTAL FEE 787.32

INSPECTORS OFFICE CLERKS OFFICE

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.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"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.

Columbia County Building Permit Application

For Office Use Only Application # 1303-29 Date Received 3/12 By 1 Permit # 1998/30875
 Zoning Official RBLK Date 25 March 2013 Flood Zone X Land Use Res. Low Dev. Zoning PRD F25 R15
 FEMA Map # N/A Elevation N/A MFE 118.1 River N/A Plans Examiner JC Date 3-22-13
 Comments Elevation Confirmation Letter Required at Slab
☒ 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) ☐ Ellisville Water ☒ App Fee Paid

Septic Permit No. K-13-019 In Box Fax _____
 Name Authorized Person Signing Permit Isaac Nickelson Phone 386-965-0985
 Address 198 SW Hydraulic Way Lake City, FL 32024
 Owners Name Isaac Nickelson Phone 386-965-0985
 911 Address 322' SW Silver Palms Lake City, FL 32024
 Contractors Name Isaac Nickelson Phone 386-965-0985
 Address 198 SW Hydraulic Way Lake City, FL 32024
 Fee Simple Owner Name & Address Isaac Nickelson 198 SW Hydraulic Way Lake City, FL 32024
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Nicholas Paul Geisler 1758 NW Brown Rd. Lake City, FL 32024
 Mortgage Lenders Name & Address N/A
 Circle the correct power company FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progress Energy
 Property ID Number 03-45-16-02731-070 Estimated Cost of Construction \$137,000
 Subdivision Name The Preserve at Laurel Lake Lot 70 Block 1 Unit 1 Phase 1
 Driving Directions Hwy 90W To County Rd 252-B on Left Then Right
At Preserve Subdivision follow All The way to Stop Sign
Take Right Site on Left Number of Existing Dwellings on Property N/A
 Construction of New Home Single Family Home Total Acreage 0.250 Lot Size 80x136
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 23'
 Actual Distance of Structure from Property Lines - Front 25' Side 10' Side 10' Rear 45'
 Number of Stories 1 Heated Floor Area 1877 Total Floor Area 2732 Roof Pitch 8/12

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 2010 and the 2008 National Electrical Code.

CK - 1713 - ashburn

COLUMBIA COUNTY FLORIDA

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 03-4S-16-02731-070

Building permit No. 000030875

Use Classification SFD/UTILITY

Fire: 19.26

Permit Holder ISAAC NICKELSON

Waste: 50.25

Owner of Building ISAAC NICKELSON

Total: 69.51

Location: 322 SW SILVER PALM DRIVE, LAKE CITY, FL 32024

Date: 07/19/2013

Hay C

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

30875



Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise.

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.Company Address P.O. Box 1795 City Lake City State FL Zip 32056Company Business License No. JB182948 Company Phone No. 386-755-3511

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Premier Building Phone No. 965-0985

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Isaac Nickelson
322 SW Silver Palm Drive, Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 4-9-2013Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Bifen XTS EPA Registration No. 53983-189Approx. Dilution (%): 06 Approx. Total Gallons Mix Applied: 440 Treatment completed on exterior: ☐ Yes ☒ No☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: _____ EPA Registration No. _____

Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____

☐ C. Bait System Installed
Name of System: _____ EPA Registration No. _____ Number of Stations Installed: _____☐ D. Physical Barrier System Installed
Name of System: _____ Attach installation information (required)Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) C. Lacey Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Cliff Lacey Date 4-9-2013**Warning:** HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPMA-99-B may still be used

form HUD-NPMA-99-B



130875

Britt Surveying and Mapping, LLC
2086 SW Main Blvd Ste 112 • Lake City, FL 32025
386-752-7163 P • 386-752-5573 F • www.brittsurvey.com

OK
BLK
10 April 2013

4/10/2013

L-22555

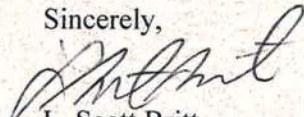
Re: Lot 70 of Preserves at Laurel Lake

To: Premier Building

To Whom It May Concern:

The elevation of the stem wall foundation on Lot 70 is found to be 119.07 feet. The elevation of the lowest adjacent grade is 115.9 feet. The elevation of the highest adjacent grade is 116.4 feet. All elevations shown hereon are NGVD 29 datum.

Sincerely,



L. Scott Britt
LS 5757

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise.

30875

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.
Company Address P.O. Box 1705 City Lake City State FL Zip 32056
Company Business License No. JB182948 Company Phone No. 386-755-3511
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Propane Building Phone No. 985 0095

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 15000 N. Hwy 100

Section 4: Service Information

Date(s) of Service(s) 9-9-13
Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

- ☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Exxon 878 EPA Registration No. 57888-189
Approx. Dilution (%): 0.6 Approx. Total Gallons Mix Applied: 440 Treatment completed on exterior: ☐ Yes ☒ No
- ☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: _____ EPA Registration No. _____
Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____
- ☐ C. Bait System Installed
Name of System: _____ EPA Registration No. _____ Number of Stations Installed: _____
- ☐ D. Physical Barrier System Installed
Name of System: _____ Attach installation information (required)

Service Agreement Available? ☐ Yes ☒ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) C. J. McCoy Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature C. J. McCoy Date 9-9-13

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPMA-99-B

Reorder Product #2581 From • CROWNMAX • 1-800-252-4011

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: IUWM9114Z0128162558



Truss Fabricator: **Anderson Truss Company**
Job Identification: **REPAIR / 13-065 -PREMIER BUIL (REPAIR / 13-065-)**
Truss Count: **1**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 13.01.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
Address: **Roof - 37.0 PSF @ 1.25 Duration**
Minimum Design Loads: **Floor - N/A**
Wind - 120 MPH ASCE 7-10 -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: HCUSR9114

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	30682-AT6	31'8" Specia	13148001	05/28/13

Repair Charge: \$32.50 per Customer Agreement.
Amount to be invoiced separately.

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID: IUWM9114Z0128162558



Truss Fabricator: **Anderson Truss Company**
Job Identification: **REPAIR / 13-065 -PREMIER BUIL (REPAIR / 13-065-)**
Truss Count: **1**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 13.01.**
Structural Engineer of Record:
Address:
Minimum Design Loads: **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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: HCUSR9114

-Truss Design Engineer-
William H. Krick

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	30682-AT6	31'8" Specia	13148001	05/28/13

ALPINE

Repair Charge: \$32.50 per Customer Agreement.
Amount to be invoiced separately.

(REPAIR / 13-065 -PREMIER BULL - AT6 31'8" Special)

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

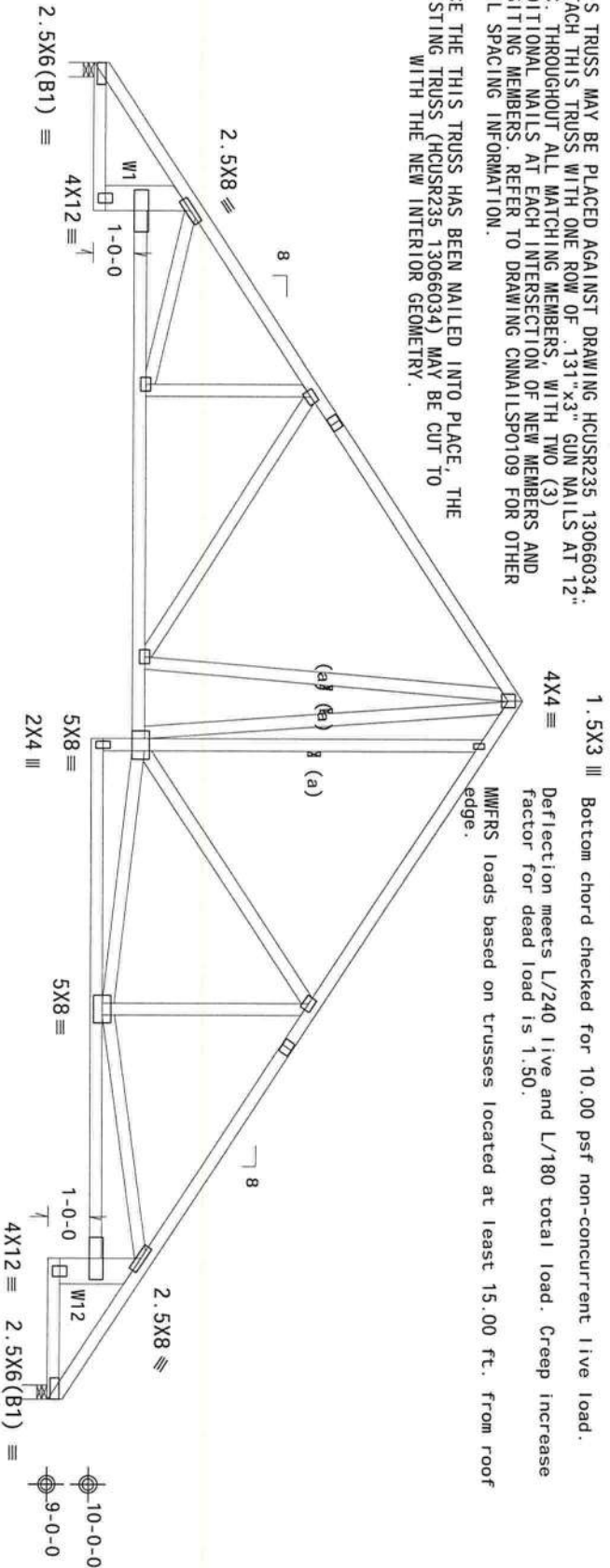
Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A : W1 2x8 SP_#1_Dense_12A:
:W12 2x8 SP_#2_12A:

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

(a) Continuous lateral bracing equally spaced on member.

NOTE: THIS TRUSS MAY BE PLACED AGAINST DRAWING HCUSR235 13066034. ATTACH THIS TRUSS WITH ONE ROW OF .131"x3" GUN NAILS AT 12" O.C. THROUGHOUT ALL MATCHING MEMBERS, WITH TWO (3) ADDITIONAL NAILS AT EACH INTERSECTION OF NEW MEMBERS AND EXISTING MEMBERS. REFER TO DRAWING CMMALSP0109 FOR OTHER NAIL SPACING INFORMATION.

NOTE: ONCE THE THIS TRUSS HAS BEEN NAILED INTO PLACE, THE EXISTING TRUSS (HCUSR235 13066034) MAY BE CUT TO CONFORM WITH THE NEW INTERIOR GEOMETRY.



120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Calculated horizontal deflection is 0.14" due to live load and 0.19" due to dead load.

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

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

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

Note: All Plates Are 3X4 Except As Shown.
Design Crit: FBC2010Res/TP1-2007 (STD)
FT/RT=10%(0%)/0(0)

R=1216 U=0 W=4" (4" min.)
RL=168/-173

HCUSR9114 13066034

R=1216 U=0 W=4" (4" min.)

PLT TYP. Wave

TRUSS REPAIR

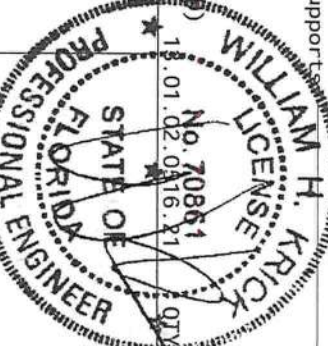
ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE RELIABLY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



TC LL	20.0 PSF	REF	R9114- 30682
TC DL	7.0 PSF	DATE	05/28/13
BC DL	10.0 PSF	DRW	HCUSR9114 13148001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2411 REV
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UWM9114Z01

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 SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

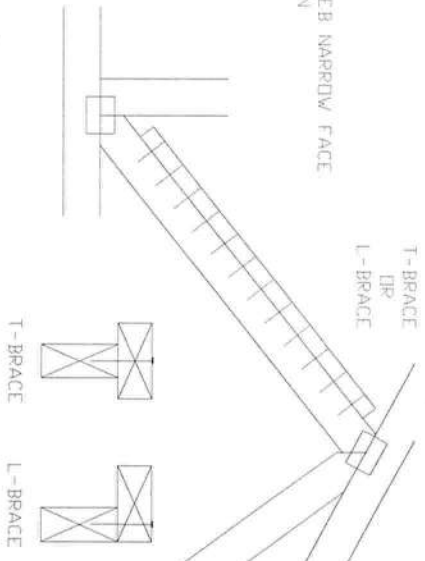


Building Components Group Inc.

Earth City, MO 63045

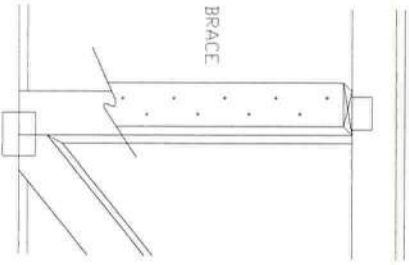
T-BRACING OR L-BRACING:

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



May 28 '13

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TDI, LD	PSF		
DUR, FAC.			
SPACING			

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:1UWI9114Z0124143508



Truss Fabricator: **Anderson Truss Company**
Job Identification: **Repair 13-065 (Repair 13-065-)**
Truss Count: **1**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 12.02.**
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 - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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: HCUSR9114

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-160TL-

#	Ref	Description	Drawing#	Date
1	54258--AT5		13144001	05/24/13

ALPINE

Repair Charge: \$65.00 per Customer Agreement.
Amount to be invoiced separately.

(Repair 13-065 - AT5)

REPAIR TO CHANGE EXTERIOR GEOMETRY OF TRUSS AS SHOWN.

FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

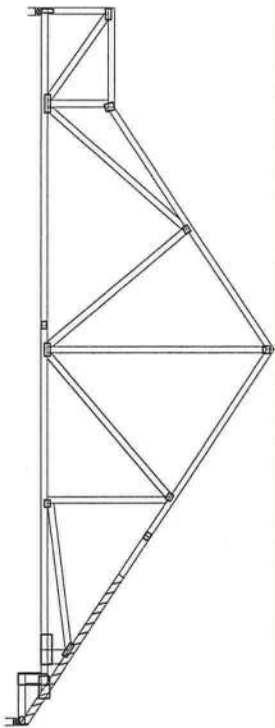
REFER TO DRAWING HCUSR487 13066033 FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

Prior to and during repair operation, this truss and any supported spans must be temporarily braced and shored. The design and positioning of such shall be designed and supplied by others.

+ USE A SHARP METAL CUTTING SAW BLADE TO CAREFULLY REMOVE UNWANTED MATERIAL FROM THE TRUSS AS SHOWN. REMAINING PORTIONS OF TRUSS (LUMBER AND WAVE PLATE) MUST BE FREE FROM DAMAGE.

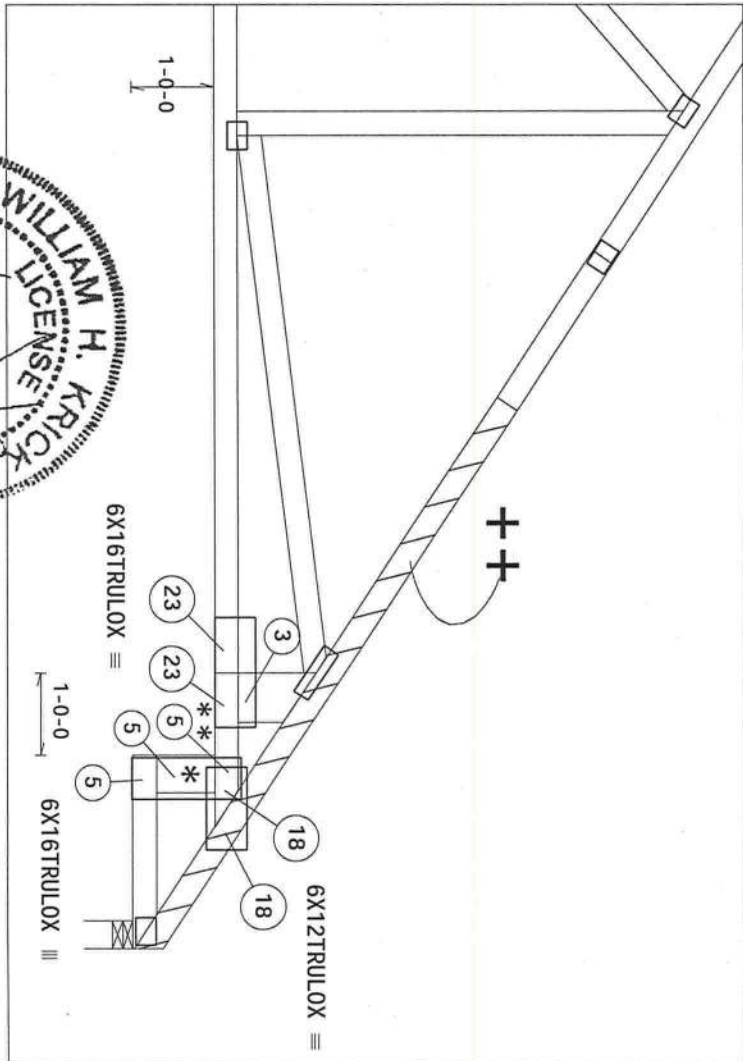
- ++ (2) 2x4X8-0-0 SP_#1_12A Top chord scabs at left end. Attach to one face of chord with (2) rows of 0.131"x3", min. nails @ 12" O.C., staggered 6".
- 11 GAUGE (0.120")X1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. CIRCLED NUMBERS SHOW NUMBER REQUIRED ON NEAR FACE, SAME NUMBER REQUIRED ON FAR FACE. REFER TO DRAWING 1607L FOR TRULOX INFORMATION.

- * ONE (1) 2x6 SP #1 Dense, 12A OR BETTER LUMBER. ATTACH WITH TRULOX PLATES AS SHOWN AND DIRECTED.
- * ONE (1) 2x4 SP #2, 12A OR BETTER LUMBER. ATTACH WITH TRULOX PLATES AS SHOWN AND DIRECTED.



R=1211 U=0 W=4" (4" min.)
RL=136/-158

R=1222 U=0 W=4" (4" min.)



PLT TYP. Wave, Trulox

TRUSS REPAIR

Design Crit: FBC2010Res/TP1-2007(SD)
FT/RT=10%(0%)/0(0)

12.02.00.0810.15

FL/-/3/-/-/R/-

Scale = .125"/Ft.

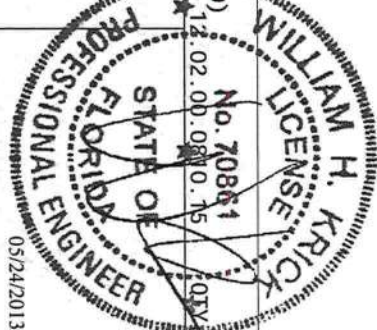
ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PROUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS INSPECTED BY THE TRUSS MANUFACTURER TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



TC LL	20.0 PSF	REF	R9114- 54258
TC DL	7.0 PSF	DATE	05/24/13
BC DL	10.0 PSF	DRW	HCUSR9114 13144001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	7602
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UW19114Z01

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.

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

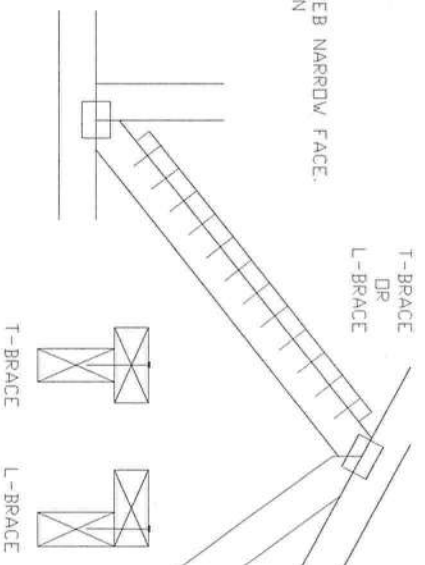
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	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(*)

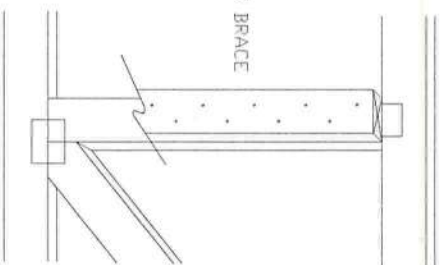
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10# BDX OR GUN
COL28 x 3" MIN NAILS.
AT 6" O.C.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



APPLY SCABS) TO WIDE FACE OF WEB
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BDX DR GUN
(0.128" x 3.1" MIN) NAILS.
AT 6" OC.
BRACE IS A MINIMUM
30% OF WEB MEMBER LENGTH



TM

Building Components Group Inc.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

[illegible]

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & brooding of trusses. ITWBCG connector plates are made of 2018/16GA (W.H./S.N.) ASTM A572 Grade 50 (485 MPa) mild steel. Axially loaded truss ends from truss positioned on other than

A seal on this drawing or cover page indicates acceptance and professional engineering responsibility and on joint details.

solely for the virus component design shown. The suitability and use of this component is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

Earth City, MO 63045

No. 70861

WILLIAM H. KRICK
LICENSE

STATE OF



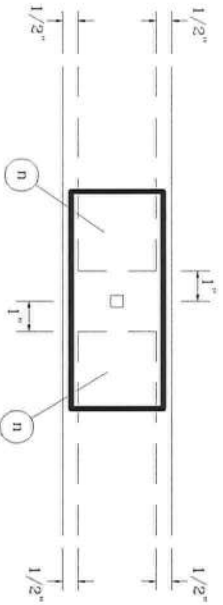
May 24 '13

05/24/2013

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB01
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX INFORMATION DETAIL

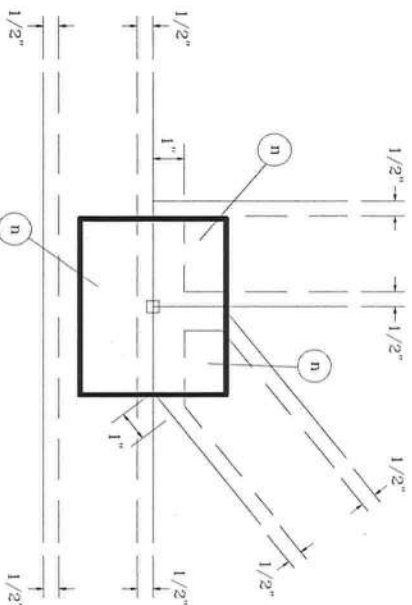
TYPICAL OFF PANEL SPLICE



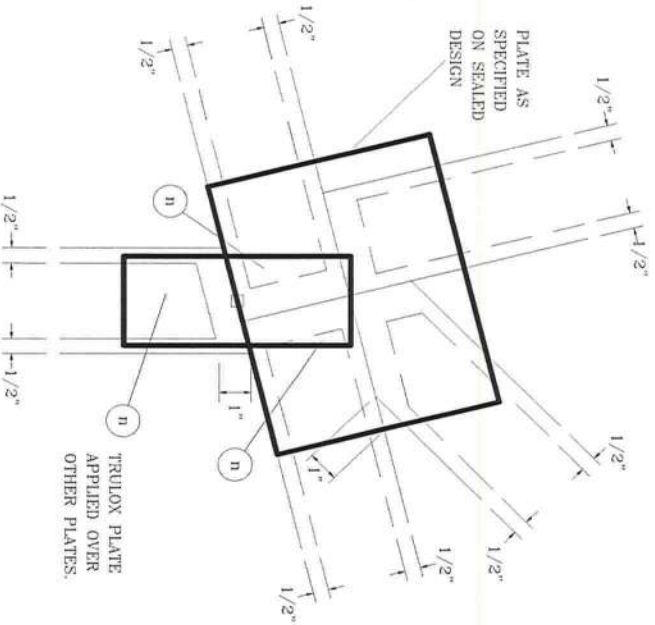
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE. AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

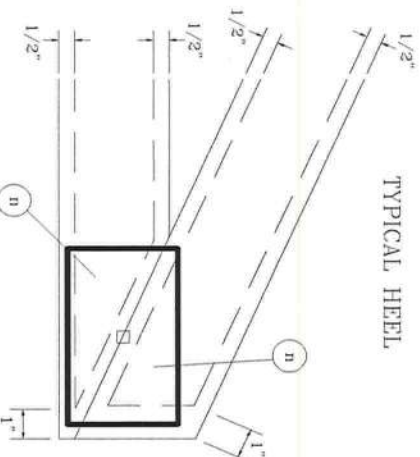
TYPICAL PANEL POINT WITHOUT SPLICE



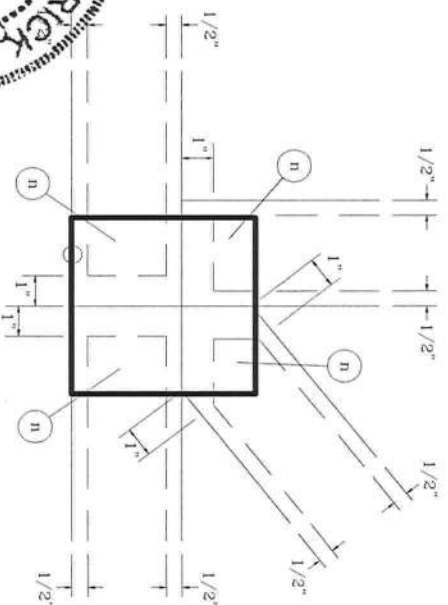
TYPICAL FILLER



TYPICAL HEEL



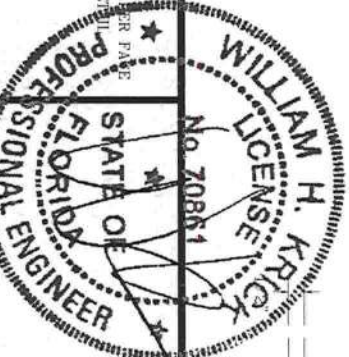
TYPICAL PANEL POINT SPLICE



TRULOX PLATING



NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLATE AS SPECIFIED ON THE SEALED DESIGN REFERENCE THIS DETAIL.
○ LOCATES PLATE CORNER OR FLUSH EDGE.
□ LOCATES PLATE CENTER.



160
TL

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:1UW19114Z0124143508



Truss Fabricator: **Anderson Truss Company**
Job Identification: **Repair 13-065 (Repair 13-065-)**
Truss Count: **1**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 12.02.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC**
Address: **Roof - 37.0 PSF @ 1.25 Duration**
Minimum Design Loads: **Floor - N/A**
Wind - 120 MPH ASCE 7-10 -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: HCUSR9114

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-160TL-

#	Ref	Description	Drawing#	Date
1	54258--AT5		13144001	05/24/13

ALPINE

Repair Charge: \$65.00 per Customer Agreement.
Amount to be invoiced separately.

(Repair 13-065 - AT5)

REPAIR TO CHANGE EXTERIOR GEOMETRY OF TRUSS AS SHOWN.

FIELD REPAIR MUST COMPLY WITH ALPINE DESIGNS AND SPECIFICATIONS.

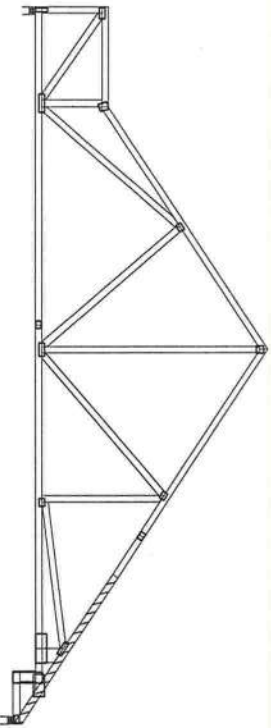
REFER TO DRAWING HCUSR487 13066033 FOR LUMBER, PLATES AND OTHER DATA NOT GIVEN HERE.

Prior to and during repair operation, this truss and any supported spans must be temporarily braced and shored. The design and positioning of such shall be designed and supplied by others.

+ USE A SHARP METAL CUTTING SAW BLADE TO CAREFULLY REMOVE UNWANTED MATERIAL FROM THE TRUSS AS SHOWN. REMAINING PORTIONS OF TRUSS (LUMBER AND WAVE PLATE) MUST BE FREE FROM DAMAGE.

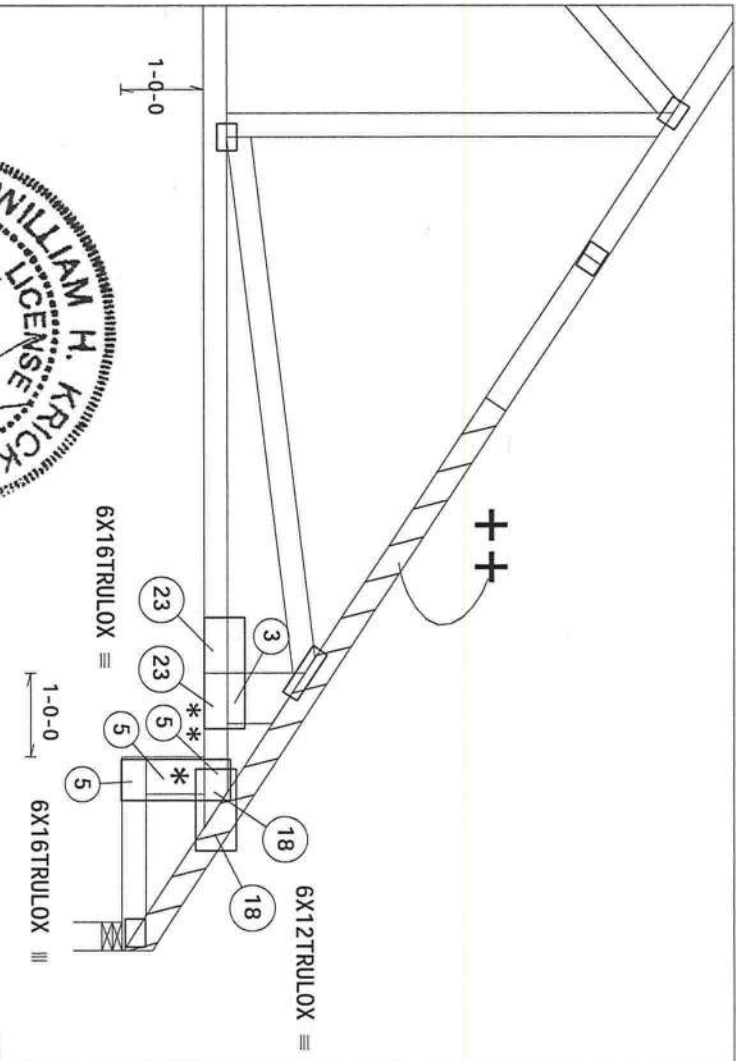
- ++ (2) 2x4X8-0-0 SP_#1_12A Top chord scabs at left end. Attach to one face of chord with (2) rows of 0.131"x3", min. nails @ 12" O.C., staggered 6".
- 11 GAUGE (0.120")X1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. CIRCLED NUMBERS SHOW NUMBER REQUIRED ON NEAR FACE, SAME NUMBER REQUIRED ON FAR FACE. REFER TO DRAWING 1607L FOR TRULOX INFORMATION.

- * ONE (1) 2x6 SP #1 Dense 12A OR BETTER LUMBER. ATTACH WITH TRULOX PLATES AS SHOWN AND DIRECTED.
- * ONE (1) 2x4 SP #2 12A OR BETTER LUMBER. ATTACH WITH TRULOX PLATES AS SHOWN AND DIRECTED.



R=1211 U=0 W=4" (4" min.)
RL=136/-158

R=1222 U=0 W=4" (4" min.)



PLT TYP. Wave, Trulox

Design Crit: FBC2010Res/TP1-2007(S&D)
FT/RT=10%(0%)/0(0)

TRUSS REPAIR

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844
FL COA #0 278

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE. IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.



TC LL	20.0 PSF	REF	R9114- 54258
TC DL	7.0 PSF	DATE	05/24/13
BC DL	10.0 PSF	DRW	HCUSR9114 13144001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	7602
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UW19114Z01

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 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.

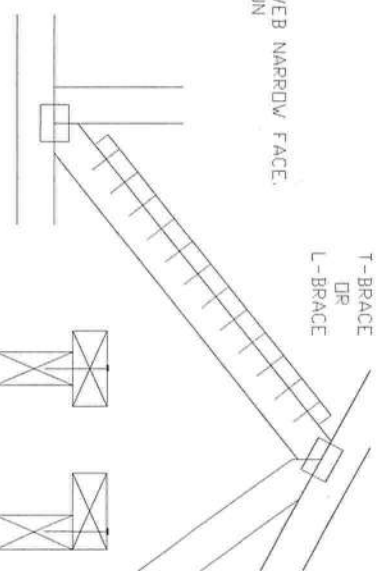
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

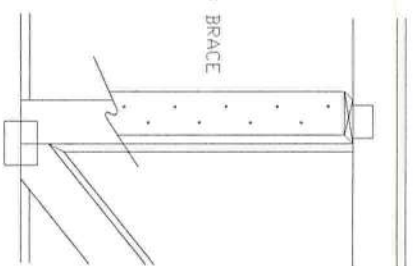
L-BRACING:

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



SCAB BRACING:

APPLY SCABS TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX DR 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 Qty. NO 63045

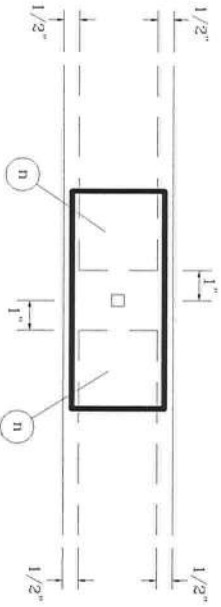
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following BCSI Building Component Safety Information, by TPI and VITCA for safety practices when performing these functions. Installers shall provide temporary bracing per BCSI. Trusses and components shall be properly stored, handled, transported and installed in accordance with the manufacturer's instructions. Properly attached and sealed connections shall be shown for permanent lateral restraint of webs and bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information. ***WARNING*** FINISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. BCSI Building Components Group Inc. (BCSI) shall remain responsible for any deviation from the design, only failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 2018/1850A (W/H/S/K) ASTM A1008 (37/40/60 K/V/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on both sides. Trusses shall be braced and supported in accordance with the manufacturer's instructions. The building designer, engineer, architect and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any other application is the responsibility of the building designer, per AIA/ITPI 1 Sec. 2. ITW-BCG www.itwbcg.com, TPI www.tpi.com, VITCA www.vitca.com, ICC www.iccsafe.org



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TDI, LD	PSF		
DUR, FAC.			
SPACING			

TRULOX INFORMATION DETAIL

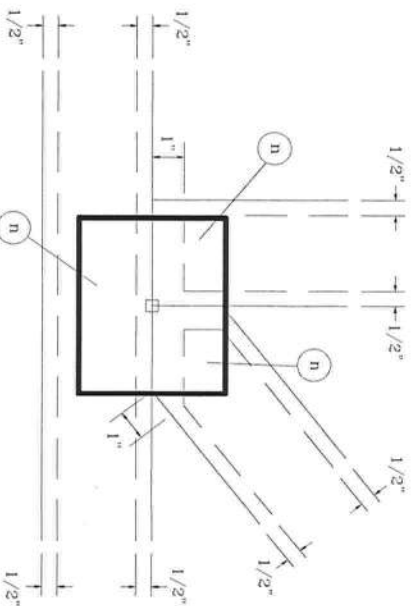
TYPICAL OFF PANEL SPLICE



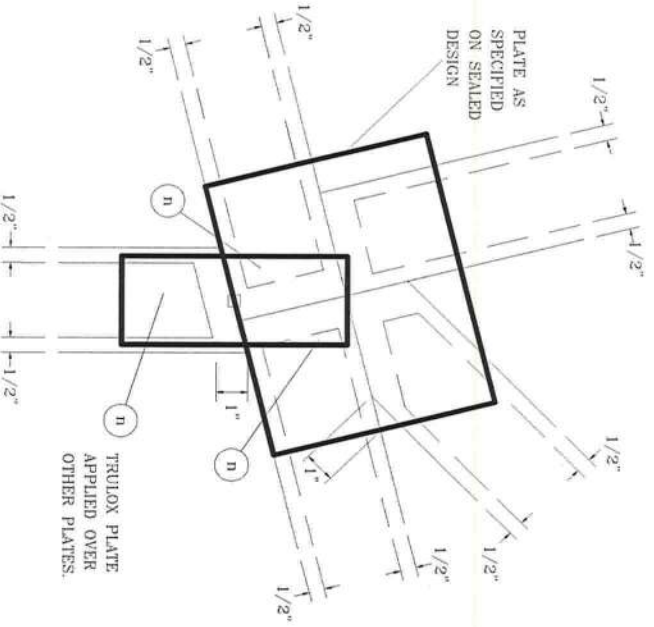
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE. AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

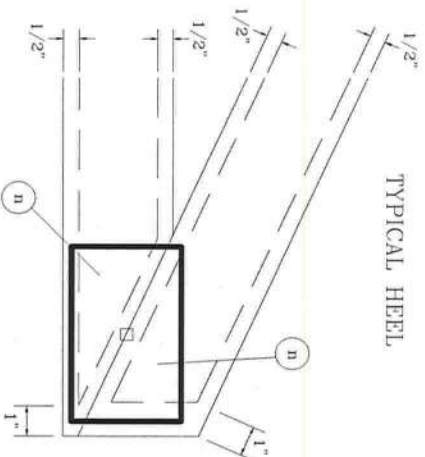
TYPICAL PANEL POINT WITHOUT SPLICE



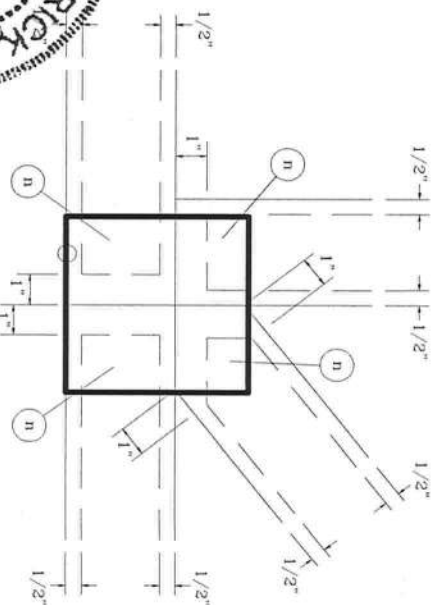
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



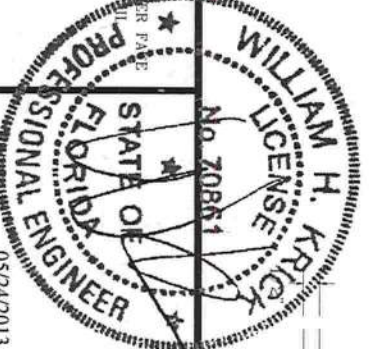
TRULOX PLATING



Building Components Group Inc.

Earth City, MO 63045

NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER PLY AS SPECIFIED ON THE SEALED DESIGN REPRESENTING THIS DETAIL.
○ LOCATES PLATE CORNER OR FLUSH EDGE.
□ LOCATES PLATE CENTER.



May 24 '13

05/24/2013

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TL

PAGE 1 OF 1
DATE 4/1/09

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.

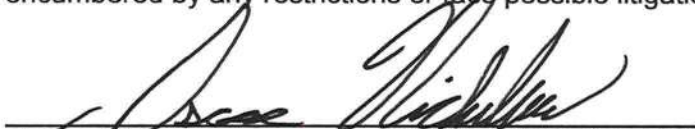
NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage 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.

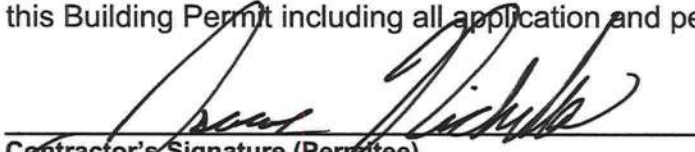
NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)


Owners Signature

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

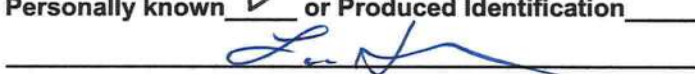
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.


Contractor's Signature (Permittee)

Contractor's License Number CBC 1258773
Columbia County
Competency Card Number 1026

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 12 day of MARCH 2013.

Personally known ☒ or Produced Identification ☐


State of Florida Notary Signature (For the Contractor)

SEAL



Prepared by:
Traci Landry
Abstract Trust Title, LLC
PO Box 7175
Lake City, FL 32055

Inst: 201312004199 Date: 3/20/2013 Time: 11:21 AM
Doc Stamp-Deed: 0.70
D.S.P. DeWitt Cason, Columbia County Page 1 of 1 B:1251 P:1355

ATSH# 4-5464

CORRECTIVE Warranty Deed

Limited Liability Company to Individual

THIS WARRANTY DEED made the 18 day of March, 2013, Residential Development Group, LLC, hereinafter called the grantor, to Isaac Nickelson, as Trustee of the Rick Bicknell and Jessica Bicknell Land Trust Dated January 15, 2013 whose post office address is: PO Box 2231, Lake City, FL 32056 hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# 03-4S-16-02731-030

LOT 69 AND LOT 70, PRESERVE AT LAUREL LAKE, UNIT 1, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGES 18-25, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

THE PURPOSE OF THIS INSTRUMENT IS TO CORRECT THE NAME OF THE GRANTEE'S NAME AS SHOWN ON THAT CERTAIN DEED RECORDED IN OFFICIAL RECORD BOOK 1248, PAGE 830, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2012.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Isaac Nickelson
Witness:

Isaac Nickelson
Printed Name:

Mary Lyons
Witness:

MARY LYONS
Printed Name:

Residential Development
Group, LLC

By: Daniel Crapps, Managing Member

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 18 day of March, 2013 by DANIEL CRAPPS, as Managing Member of Residential Development Group, LLC personally known to me or, if not personally known to me, who produced OK for identification and who did not take an oath.



VERA LISA HICKS
MY COMMISSION # DD 984837 (Notary Seal)
EXPIRES: August 23, 2014
Bonded Thru Budget Notary Services

Vera Lisa
Notary Public

THE PRESERVES AT LAUREL LAKE
LOT 70
LAKE CITY, FLORIDA 32024

THE ASHBURN MODEL
PREMIER BUILDERS, INC.

15' SETBACK LINE

10' SETBACK LINE

25' SETBACK LINE

16'-0" CONCRETE DRIVEWAY

PROPOSED SEWER TIE IN
PROPOSED WATER HOOK UP

SIDE WALK

S 71 SILE/ERPALM DRIVE

577 SILVERPALM DRIVE

LOT93	ROSEMARY	701 SW	ROSEMARY	DR	32024
LOT94	ROSEMARY	747 SW	ROSEMARY	DR	32024
LOT95	ROSEMARY	731 SW	ROSEMARY	DR	32024
LOT96	ROSEMARY	715 SW	ROSEMARY	DR	32024
LOT97	ROSEMARY	701 SW	ROSEMARY	DR	32024
LOT98	ROSEMARY	691 SW	ROSEMARY	DR	32024
LOT99	ROSEMARY	687 SW	ROSEMARY	DR	32024
LOT100	ROSEMARY	679 SW	ROSEMARY	DR	32024
LOT101	ROSEMARY	659 SW	ROSEMARY	DR	32024
LOT102	ROSEMARY	641 SW	ROSEMARY	DR	32024
LOT103	ROSEMARY	623 SW	ROSEMARY	DR	32024
LOT104	ROSEMARY	601 SW	ROSEMARY	DR	32024
LOT105	ROSEMARY	563 SW	ROSEMARY	DR	32024
LOT106	ROSEMARY	541 SW	ROSEMARY	DR	32024
LOT107	ROSEMARY	523 SW	ROSEMARY	DR	32024
LOT108	ROSEMARY	505 SW	ROSEMARY	DR	32024
LOT109	ROSEMARY	491 SW	ROSEMARY	DR	32024
LOT110	ROSEMARY	471 SW	ROSEMARY	DR	32024
LOT111	ROSEMARY	453 SW	ROSEMARY	DR	32024
LOT112	ROSEMARY	437 SW	ROSEMARY	DR	32024
LOT113	ROSEMARY	421 SW	ROSEMARY	DR	32024
LOT114	ROSEMARY	407 SW	ROSEMARY	DR	32024
LOT115	ROSEMARY	391 SW	ROSEMARY	DR	32024
LOT116	ROSEMARY	375 SW	ROSEMARY	DR	32024
NEW	ROSEMARY	333 SW	ROSEMARY	DR	32024
MIN	SILVER PALM	100 SW	SILVER PALM	DR	32024
TB	SILVER PALM	242 SW	SILVER PALM	DR	32024
MAX	SILVER PALM	486 SW	SILVER PALM	DR	32024
LOT56	SILVER PALM	114 SW	SILVER PALM	DR	32024
LOT57	SILVER PALM	132 SW	SILVER PALM	DR	32024
LOT58	SILVER PALM	148 SW	SILVER PALM	DR	32024
LOT59	SILVER PALM	164 SW	SILVER PALM	DR	32024
LOT60	SILVER PALM	178 SW	SILVER PALM	DR	32024
LOT61	SILVER PALM	192 SW	SILVER PALM	DR	32024
LOT62	SILVER PALM	206 SW	SILVER PALM	DR	32024
LOT63	SILVER PALM	220 SW	SILVER PALM	DR	32024

OLDNUM	OLDSTR	NEWNUM	NE	NEWSTR	NEWT	NEWZI
LOT64	SILVER PALM	234	SW	SILVER PALM	DR	32024
LOT65	SILVER PALM	250	SW	SILVER PALM	DR	32024
LOT66	SILVER PALM	264	SW	SILVER PALM	DR	32024
LOT67	SILVER PALM	278	SW	SILVER PALM	DR	32024
LOT68	SILVER PALM	292	SW	SILVER PALM	DR	32024
LOT69	SILVER PALM	306	SW	SILVER PALM	DR	32024
LOT70	SILVER PALM	322	SW	SILVER PALM	DR	32024
LOT71	SILVER PALM	336	SW	SILVER PALM	DR	32024
LOT72	SILVER PALM	350	SW	SILVER PALM	DR	32024
LOT73	SILVER PALM	366	SW	SILVER PALM	DR	32024
LOT74	SILVER PALM	382	SW	SILVER PALM	DR	32024
LOT75	SILVER PALM	396	SW	SILVER PALM	DR	32024
LOT76	SILVER PALM	410	SW	SILVER PALM	DR	32024
LOT77	SILVER PALM	424	SW	SILVER PALM	DR	32024
LOT78	SILVER PALM	436	SW	SILVER PALM	DR	32024
LOT79	SILVER PALM	448	SW	SILVER PALM	DR	32024

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1303-29

CONTRACTOR

ISAAC NICKELSON

PHONE

386.965.0985

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 724	Print Name <u>Lyndon Rainbolt</u> License #: <u>EC13001835</u>	Signature <u>Lyndon Rainbolt</u> Phone #: <u>386-755-5079</u>
☒ MECHANICAL/A/C 476	Print Name <u>Lyndon Rainbolt</u> License #: <u>RA0066590</u>	Signature <u>Lyndon Rainbolt</u> Phone #: <u>386-755-5079</u>
☒ PLUMBING/GAS 715	Print Name <u>Cody Bury</u> License #: <u>CFC1427145</u>	Signature <u>[Signature]</u> Phone #: <u>386-623-0509</u>
☒ ROOFING 494	Print Name <u>Caleb Laughlin</u> License #: <u>CC132778</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-4022</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 1026	CB1258773	Isaac Nickelson	Isaac Nickelson
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.

Columbia County Property Appraiser

CAMA updated: 2/1/2013

2012 Tax Year

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Parcel: 03-4S-16-02731-070

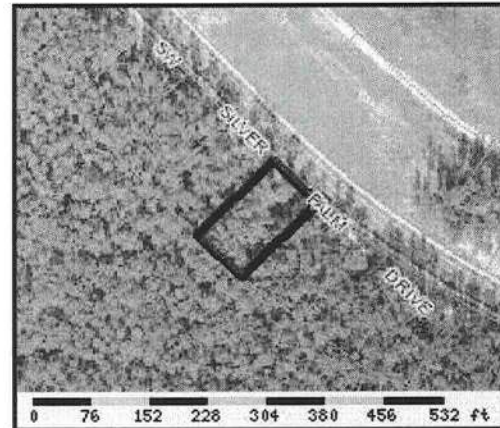
<< Next Lower Parcel

Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	RESIDENTIAL DEVELOPMENT		
Mailing Address	GROUP LLC 2806 W US HWY 90 STE 101 LAKE CITY, FL 32055		
Site Address	322 SW SILVER PALM DR		
Use Desc. (code)	VACANT (000000)		
Tax District	2 (County)	Neighborhood	3416
Land Area	0.250 ACRES	Market Area	06
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. LOT 70 PRESERVE AT LAUREL LAKE UNIT 1.		



Property & Assessment Values

2012 Certified Values		
Mkt Land Value	cnt: (0)	\$14,400.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$14,400.00
Just Value		\$14,400.00
Class Value		\$0.00
Assessed Value		\$14,400.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$14,400 Other: \$14,400 Schl: \$14,400	

2013 Working Values

NOTE:

2013 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1 LT - (0000000.250AC)	1.00/1.00/1.00/1.00	\$14,400.00	\$14,400.00

Columbia County Property Appraiser

CAMA updated: 2/1/2013



CBC-1258773
Product Approval Codes

P.O. Box 2231 Lake City, FL 32056

Date: 3/12/13

- 1. Windows-FL 9965-R2**
- 2. Doors-FL 5851-R3**
- 3. Roofing-FL 10674-R7**

Sincerely, Isaac Nickelson
(386) 965-0985
Owner/President



COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 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 FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
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		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.)	IIIIII	IIIIII	IIII
	Total (Sq. Ft.) under roof			

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 are 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	IIIIII	IIIIII	IIIIII
		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 specifically 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 FBC 1405.13.2 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 and chapter 24 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 320)	☒		

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 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 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	☒		
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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 302.6	☒		
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 IRC 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 IRC 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 802.1.6.1 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 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	☒		

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
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee.	☒		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com	☒		
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 386-752-2031	☒		
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 approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	☒		☒
100	A Flood development permit is also required for AE, Floodway & AH. 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. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	☒		
102	911 Address: An 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 Ext. 3	☒		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code 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 application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

03-45-16-02731-070

Clerk's Office Stamp

Inst: 201312004677 Date: 3/27/2013 Time: 1:49 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B.1251 P.2605

THE UNDERSIGNED hereby gives notice that Improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Single Family Home
a) Street (job) Address: 322 SW Silver Palm Dr. Lake City, FL 32024
2. General description of improvements: New Single Family Dwelling
3. Owner Information
a) Name and address: Isaac Nickelson 198 SW Hydraulic way Lake City, FL 32024
b) Name and address of fee simple titleholder (if other than owner) N/A
c) Interest in property
4. Contractor Information
a) Name and address: Isaac Nickelson 198 SW Hydraulic way Lake City, FL 32024
b) Telephone No.: 386-965-0985 Fax No. (Opt.)
5. Surety Information
a) Name and address: N/A
b) Amount of Bond:
c) Telephone No.: Fax No. (Opt.)
6. Lender
a) Name and address: N/A
b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: Isaac Nickelson P.O. Box 2231 Lake City, FL 32056
b) Telephone No.: 386-965-0985 Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: N/A
b) Telephone No.: Fax No. (Opt.)

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR 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 YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Isaac Nickelson
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 12th day of MARCH, 2013, by:

ISAAC NICKELSON as OWNER (type of authority, e.g. officer, trustee, attorney

fact) for ISAAC NICKELSON (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification ☐ Type

Notary Signature Laurie Hodson Notary Stamp or Seal:



11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Isaac Nickelson
Signature of Natural Person Signing in line #10 above.)

JTN: Connie

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001998**

DATE: 03/27/2013 BUILDING PERMIT NO. 30875

APPLICANT ISAAC NICKELSON PHONE 386.965.0985

ADDRESS 198 SW HYDRAULIC WAY LAKE CITY FL 32024

OWNER ISAAC NICKELSON PHONE 386.965.0985

ADDRESS 322 SW SILVER PALM DRIVE LAKE CITY FL 32024

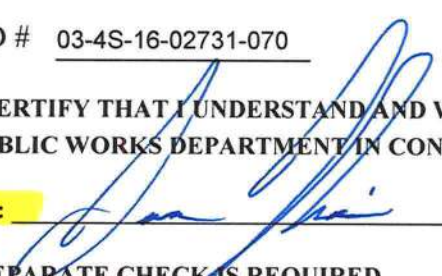
CONTRACTOR ISAAC NICKELSON PHONE 386.965.0985

LOCATION OF PROPERTY 90-W TO C-252, TL TO PRESERVE @ LAUREL LAKE S.D, TR & FOLLOW ALL THE
WAY TO STOP SIGN, TR AND SITE IS ON L.(SW SILVER PALM)

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PRESERVE @ LAUREL LK 70 1

PARCEL ID # 03-4S-16-02731-070

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA
COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: 

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC



Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

X APPROVED NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Curb + gutter roadway

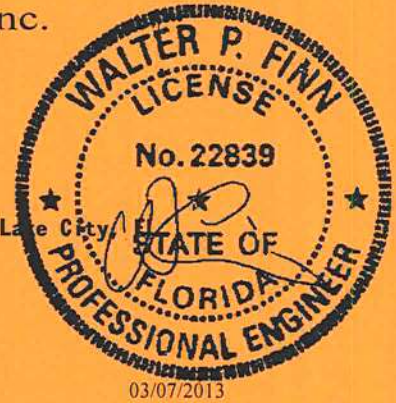
SIGNED: G. J. Ray DATE: 4/3/13

**ANY QUESTIONS PLEASE CONTACT THE
PUBLIC WORKS DEPARTMENT AT 386-752-5955**



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: IUUB487-Z0407101500



Truss Fabricator: **Anderson Truss Company**
Job Identification: **13-065--Premier Building Ashburn Model -- The Preserves Lake City**
Truss Count: **54**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Versions 10.03, 12.03.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61615-31.003(5a) of the FAC**
Address:
Minimum Design Loads: **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-PB16010-12015EC1-GBLLETIN-GABRST10-12030EC1-VAL16010-

#	Ref	Description	Drawing#	Date
1	16820-AT	36'10" Specia	13066051	03/07/13
2	16821-AT1	36'10" Spec	13066027	03/07/13
3	16822-AT10	31'8" Spec	13066028	03/07/13
4	16823-AT11	31'8" Spec	13066029	03/07/13
5	16824-AT2	32'10" Spec	13066030	03/07/13
6	16825-AT3	32'10" Spec	13066031	03/07/13
7	16826-AT4	31'8" Spec	13066032	03/07/13
8	16827-AT5	31'8" Spec	13066033	03/07/13
9	16828-AT6	31'8" Spec	13066034	03/07/13
10	16829-AT7	31'8" Spec	13066035	03/07/13
11	16830-AT8	31'8" Spec	13066036	03/07/13
12	16831-AT9	31'8" Spec	13066037	03/07/13
13	16832-ATPB	3'2"1 Comm	13066038	03/07/13
14	16833--B	22' Common	13066001	03/07/13
15	16834--BDG	22' Gable	13066002	03/07/13
16	16835--C	10'4" Common	13066003	03/07/13
17	16836--C1	10'4" Common	13066004	03/07/13
18	16837--CDG	10'4" Gable	13066005	03/07/13
19	16838--CJ1	1' Jack	13066006	03/07/13
20	16839--CJ3	3' Jack	13066007	03/07/13
21	16840--CJ3T	1'6" Jack	13066008	03/07/13
22	16841--CJ5	5' Jack	13066009	03/07/13
23	16842--CJ5A	5' Jack	13066010	03/07/13
24	16843--CJ5T	3'6" Jack	13066011	03/07/13
25	16844--CJ5V	5' Jack	13066012	03/07/13
26	16845--D	18'2" Common	13066013	03/07/13
27	16846-DG	18'2" Common	13066054	03/07/13
28	16847--EJ7	7' End Jack	13066014	03/07/13
29	16848-EJ7G	7' End Jack	13066052	03/07/13
30	16849-EJ7T	7' End Jack	13066039	03/07/13
31	16850-H11A	31'8" Stepd	13066040	03/07/13
32	16851-H11AT	37'2" Step	13066041	03/07/13
33	16852-H13A	37'2" Stepd	13066042	03/07/13
34	16853-H15A	36'10" Step	13066043	03/07/13
35	16854-H17AT	36'10" Spe	13066044	03/07/13
36	16855-H7A	31'8" Stepdo	13066053	03/07/13

#	Ref	Description	Drawing#	Date
37	16856-H7AT	37'2" Mono	13066049	03/07/13
38	16857-H7D	18'2" Stepdo	13066045	03/07/13
39	16858-H7T	18'4" Stepdo	13066046	03/07/13
40	16859-H9A	31'8" Stepdo	13066047	03/07/13
41	16860-H9AT	37'2" Mono	13066048	03/07/13
42	16861-H9T	18'4" Stepdo	13066015	03/07/13
43	16862-HJ7	9'10"13 Hip	13066016	03/07/13
44	16863-HJ7T	7'9"5 Hip J	13066017	03/07/13
45	16864-HJ7V	9'10"13 Hip	13066018	03/07/13
46	16865--M	4'4" Mono	13066019	03/07/13
47	16866--M1	4'4" Mono	13066020	03/07/13
48	16867-MG	4'4" Mono Gir	13066050	03/07/13
49	16868-V1	22'8"4 Valley	13066021	03/07/13
50	16869-V2	18'8"4 Valley	13066022	03/07/13
51	16870-V3	14'8"4 Valley	13066023	03/07/13
52	16871-V4	10'8"4 Valley	13066024	03/07/13
53	16872--V5	6'8"4 Valley	13066025	03/07/13
54	16873--V6	2'8"4 Valley	13066026	03/07/13



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1UUB487-Z0407101500



Truss Fabricator: **Anderson Truss Company**
Job Identification: **13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL**
Truss Count: **2**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Versions 10.03, 12.03.**
Structural Engineer of Record:
Address:
Minimum Design Loads: **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -Closed

Notes:

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

-Truss Design Engineer-
Walter P. Finn

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	16848-EJ7G	7' End Jack	13066052	03/07/13
2	16855-H7A	31'8" Stepdo	13066053	03/07/13

ALPINE

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A

120 mph wind, 15.04 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

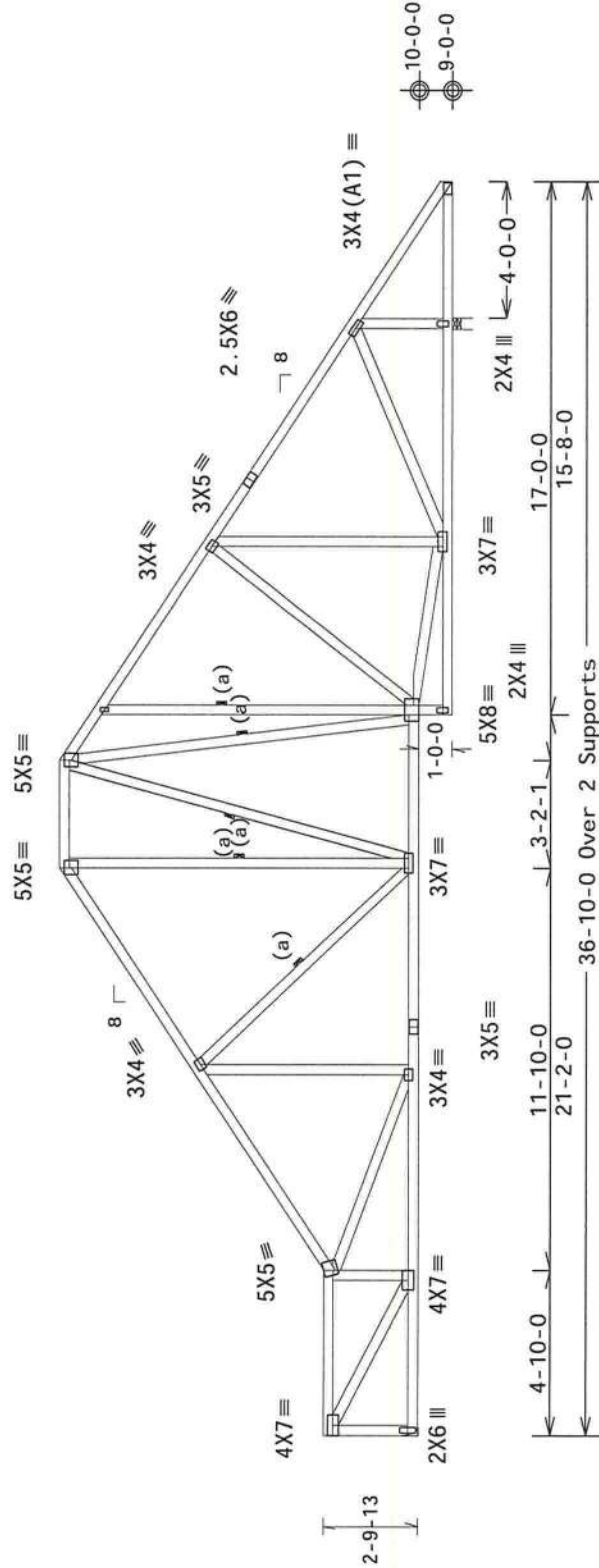
Bottom chord checked for 10.00 psf non-concurrent live load.

(a) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 15.04 ft. from roof 1.5X3 III edge.



R=1245 U=0
RL=151/-169



Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

PLT TYP. Wave

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

****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. Follow 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 for trusses 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 trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or 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 truss and position as shown above and on the Joint Detail. Trusses shall be braced in accordance with BCSI section B6.04.2.
Drawing or cover page listing this design. Indicates acceptance of professional engineering and the 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-BCSI: www.itwbcg.com; TPI: www.tpiinc.org; WCA: www.alcinfo.org

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R487--	16820
TC DL	7.0 PSF		DATE	03/07/13	
BC DL	10.0 PSF		DRW	HCUSR487	13066051
BC LL	0.0 PSF		HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF		SEQN-	64502	
DUR. FAC.	1.25				
SPACING	24.0"		JREF-	1UUB487_Z04	

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A

120 mph wind, 15.04 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

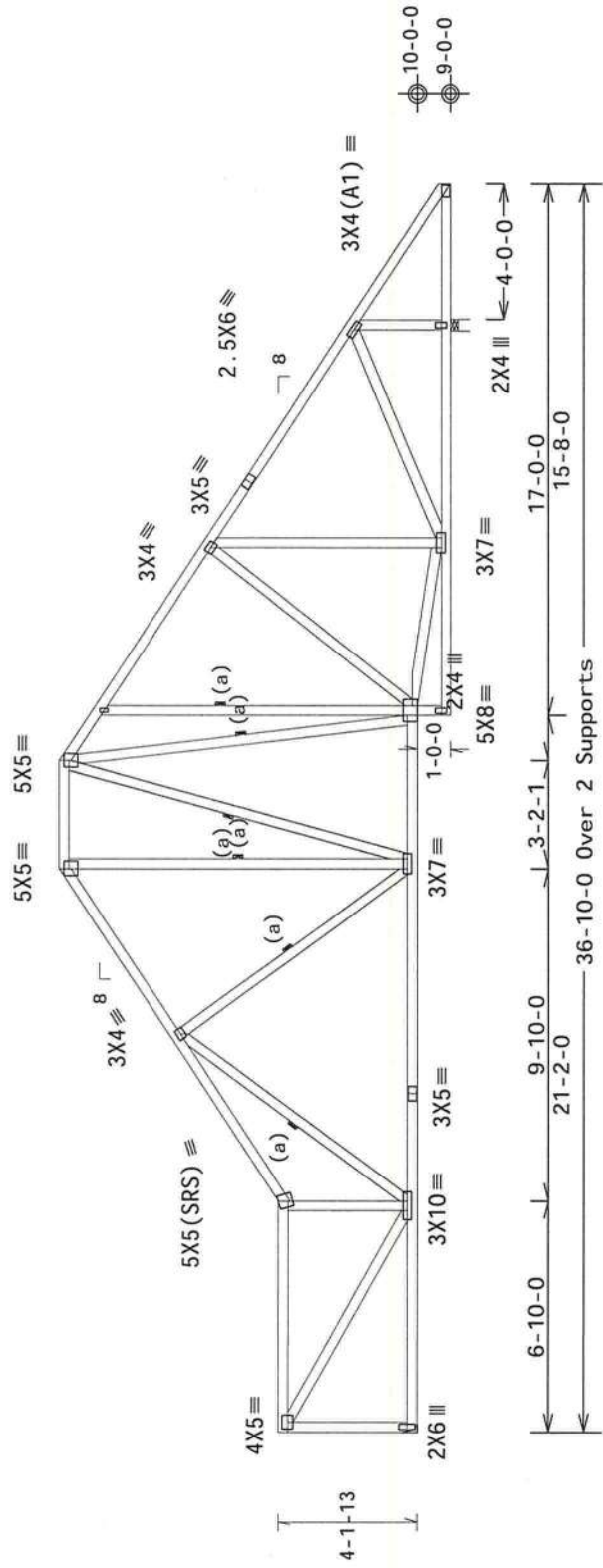
Bottom chord checked for 10.00 psf non-concurrent live load.

(a) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 15.04 ft. from roof edge.



R=1245 U=0
RL=136/-162



Design Crit: FBC2010Res/TPI-2007(S10) FT/RT=10%(0%)/0(0) No. 22839 10.03.11 0809.19 Scale = .1875"/Ft.

PLT TYP. Wave	10.03.11 0809.19		FL/-5/-/-/R/-	Scale = .1875"/Ft.
ALPINE		ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278		
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.				
IMPORTANT Trusswork requires extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for practices prior to performing these functions. Installers shall provide temporary bracing for all trusses. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid coiling. Locations shown for permanent lateral restraint only 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. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-Z for standard place positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering and 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 ; WTC: www.bcsiindustry.com ; ICC: www.iccsafe.org				
03/07/2013		03/07/2013		
STATE OF FLORIDA		PROFESSIONAL ENGINEER		
TC LL	20.0 PSF	REF	R487--	16821
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUR487	13066027
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	64492	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	

	Top chord	2x4	SP_#1	12A
	Bot chord	2x4	SP_#1	12A
	Webbs	2x4	SP_#3	12A

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

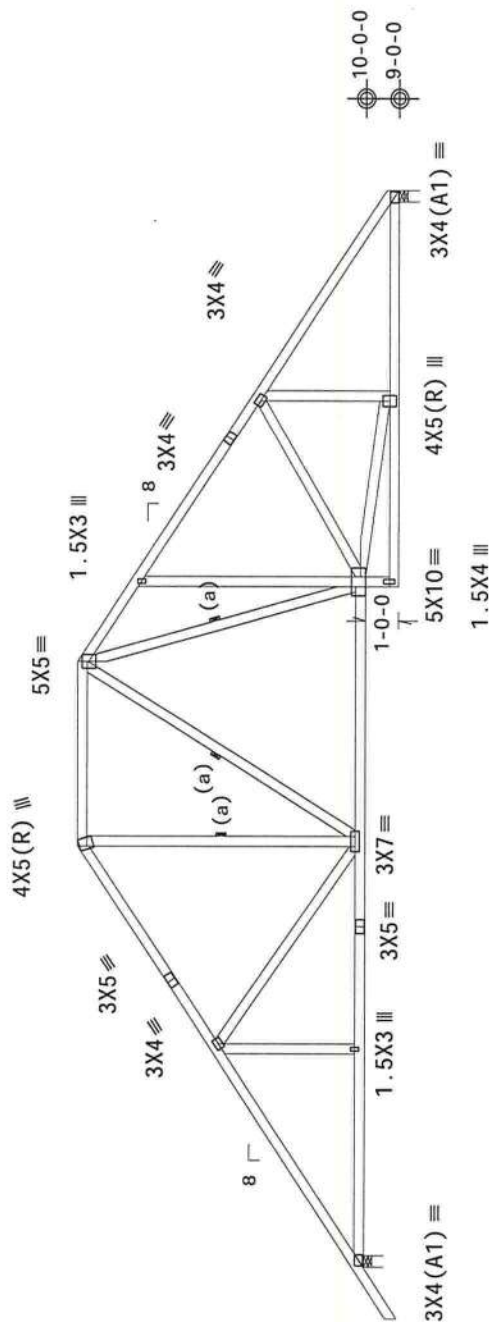
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

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

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

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



1-6-Q

Diagram illustrating the bridge deck layout with spans and supports:

- Spans: 12-4-8, 20-0-0, 5-5-0, 13-10-0
- Supports: 20, 21
- Section: 31-8-0 Over 2 Supports
- Watermark: ALTERNATIVE P. FIVE

R=1312 U=0 W=4"
RL=150/-164

Design Crit: FBC2010Res/TPI-2007(STE-
FT/RT=10%(0%)/0(0))

PLT TYP. Wave

FL/-/5/-/-/R/-
Scale = .1875"/Ft.

..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. For the purpose of this specification, the following practices shall be followed:

1. Trusses shall be braced prior to performing these functions.
2. Trusses shall be braced in accordance with the manufacturer's instructions.
3. Trusses shall be braced in accordance with the manufacturer's instructions.
4. Trusses shall be braced in accordance with the manufacturer's instructions.
5. Trusses shall be braced in accordance with the manufacturer's instructions.
6. Trusses shall be braced in accordance with the manufacturer's instructions.
7. Trusses shall be braced in accordance with the manufacturer's instructions.
8. Trusses shall be braced in accordance with the manufacturer's instructions.
9. Trusses shall be braced in accordance with the manufacturer's instructions.
10. Trusses shall be braced in accordance with the manufacturer's instructions.

ITW Building Components Group Inc. (TWBCG) shall be responsible for any deviation from this design or any failure due to manufacturing or shipping. TWBCG shall also be responsible for obtaining all applicable ANSI/TPI standards and specifications and applying them as shown above on the Joint details, unless noted otherwise. Refer to drawings 160A-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 per ANSI/TPI 3 Sec.2. For more information see: This job's general notes page; ITW-Building Components Group Inc. website: www.primet.org; TWBCG web page: www.twbcg.com; TPI: www.tpi.net; MICA: www.abctindustry.com.

ALPINE

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

Haines City, FL 33844
FL COA #0 278

03/07/2013

TOT. LD.	37.0 PSF	SEQN- 64312
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UUB487_Z04

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

120 mph wind, 16.37 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

End verticals not exposed to wind pressure.

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

(a) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 16.37 ft. from roof edge.

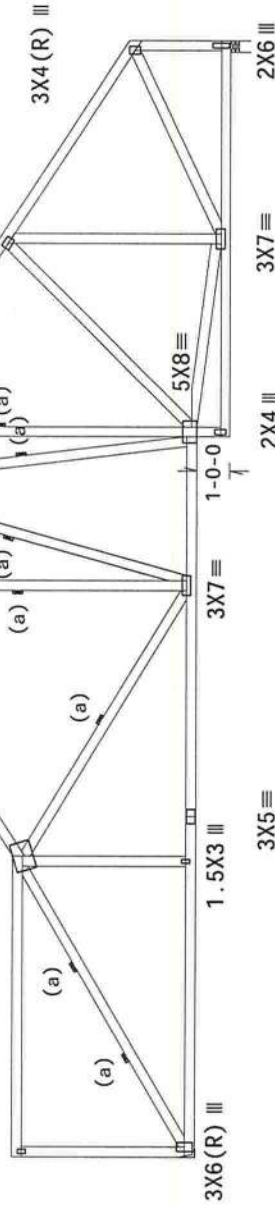
1.5X3 III

4X5(R) III 5X5 III

7X10(SRS) III

1.5X3 III

5-5-13



8-10-0 7-10-0 21-2-0 13-0-0 11-8-0
32-10-0 Over 2 Supports

R=1261 U=15
RL=103/-124

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=10%(0%)/0(0)

FL/-/5/-/-/R/- Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R487--	16824
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCSR487	13066030
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT. LD.	37.0 PSF	SEQN-	64480	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per the details noted otherwise. Top chord shall have properly attached structural smoothing and bottom chord shall have bracing installed per BCSI sections B7, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. Any fabricator or installer who deviates from the design shall be responsible for the resulting bracing of trusses. Apply plates to each face of truss and position as shown above. 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 per ANSI/TPI 1 Sec.2. For more information see: This Job's ICC: www.iccinfo.org
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

120 mph wind, 16.37 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

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

End verticals not exposed to wind pressure.

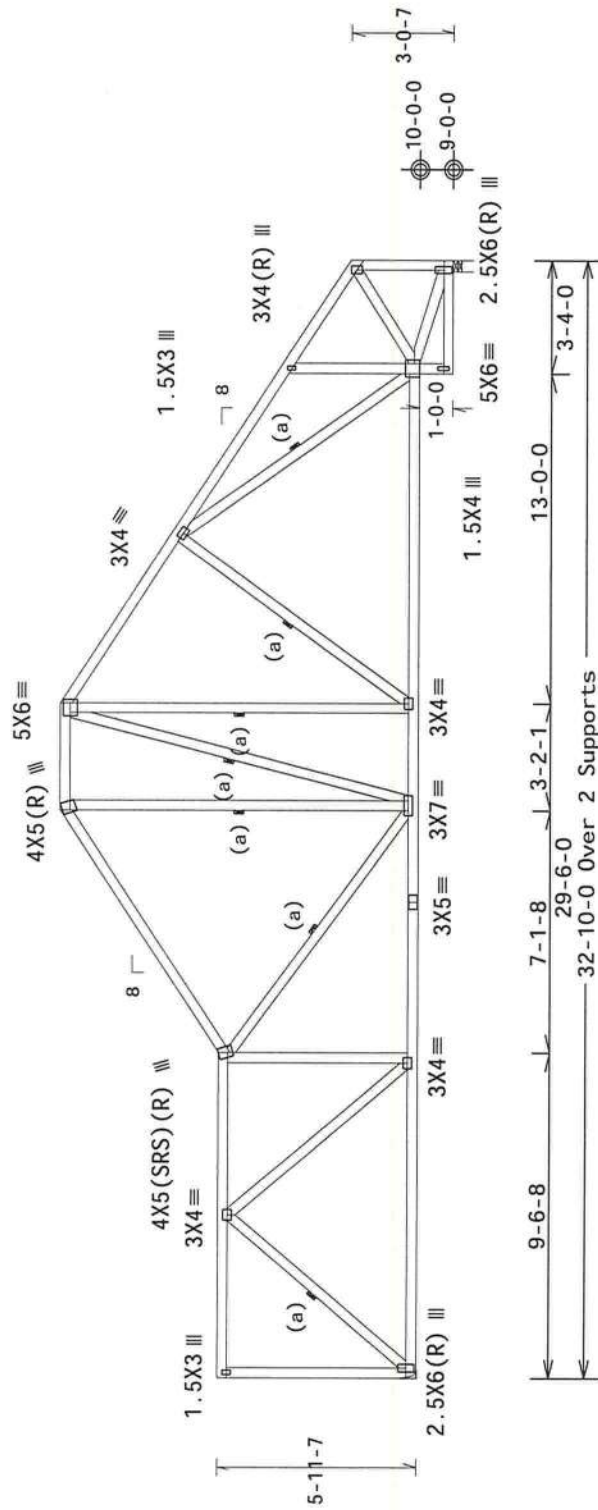
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

(a) Continuous lateral bracing equally spaced on member.

MWFRS loads based on trusses located at least 16.37 ft. from roof edge.

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

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



R=1261 U=22
RL=98/-122

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	16825
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUSR487	13066031
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	64470	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing and bracing 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 or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or erection of the truss. The user of this design shall be responsible for the design 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; WTCA: www.sbcindustry.com; IBC: www.iccnare.org

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

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - AT4 31'8" Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

End verticals not exposed to wind pressure.

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

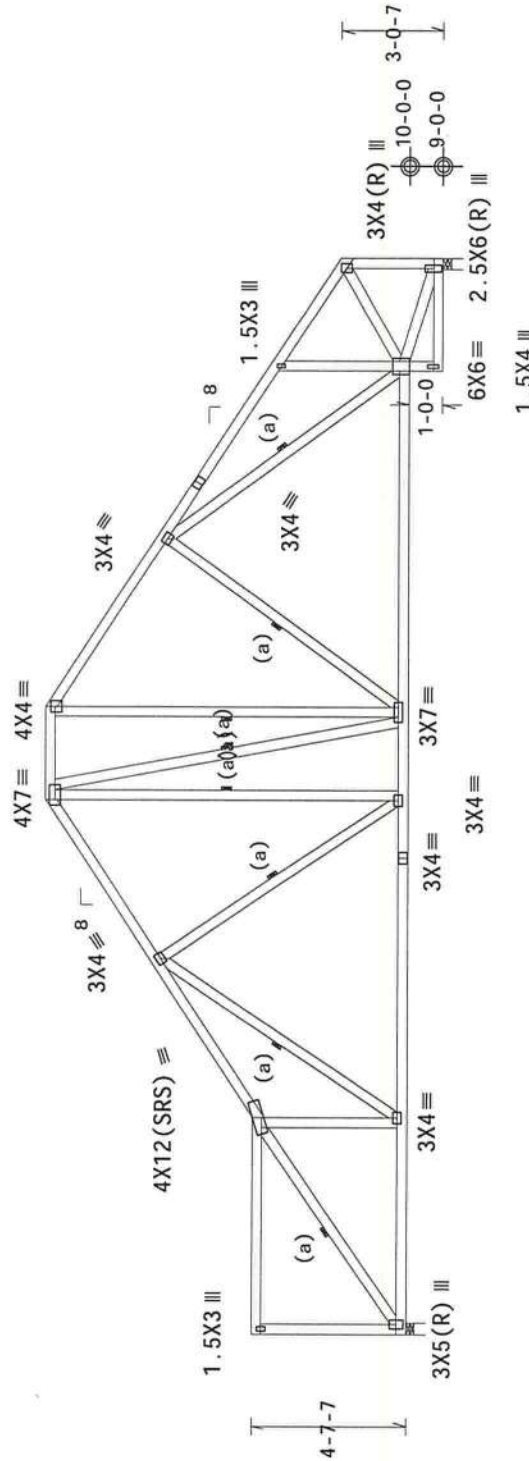
MMFRS loads based on trusses located at least 16.44 ft. from roof edge.

Wind loads and reactions based on MMFRS 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.

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



6-4-8 9-4-0 28-4-0 13-2-8
2-9-0
31-8-0 Over 2 Supports
R=1216 U=5 W=4
RL=115/-131

PLT TYP. Wave	Design Crit: FBC2010Res/TPI-2007(STED) FT/RT=10%(0%)/0(0)		Scale = .1875"/Ft.	
	TC LL	20.0 PSF	REF	R487-- 16826
	TC DL	7.0 PSF	DATE	03/07/13
	BC DL	10.0 PSF	DRW	HCU8487 1306032
	BC LL	0.0 PSF	HC-ENG	SSB/WPF
	TOT.LD.	37.0 PSF	SEQN-	57344
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UUB487_Z04

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Left 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.

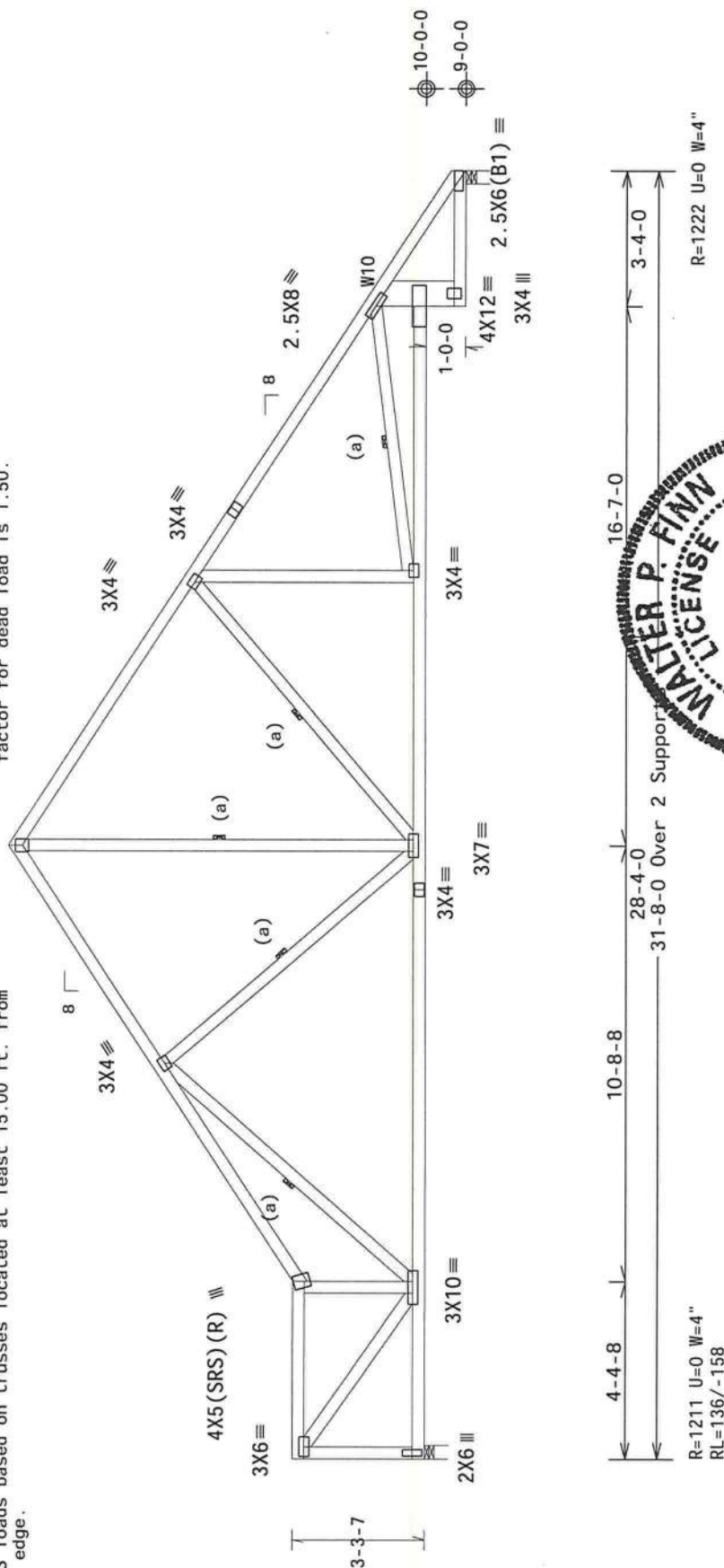
MINIMUMS loads based on trusses located at least 15.00 ft. from roof edge.

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

Max JT VERT DEFL: LL: 0.13" DL: 0.18" recommended camber 1/4"

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)FL/-/5/-/-/R/-
Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487--	16827
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 1306033
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	64458
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487 Z04

03/07/2013

Apply plates to each face of truss and position as shown above and on the joint. Obtain, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 Sec. 2. For more information see: This job's general notes page: ITW-BCC: www.itwbc.com; TP1: www.tp1inc.com; WCA: www.sbcindustries.com;

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

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - AT6 31'8" Special)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A :W7 2x8 SP #2_12A:
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

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

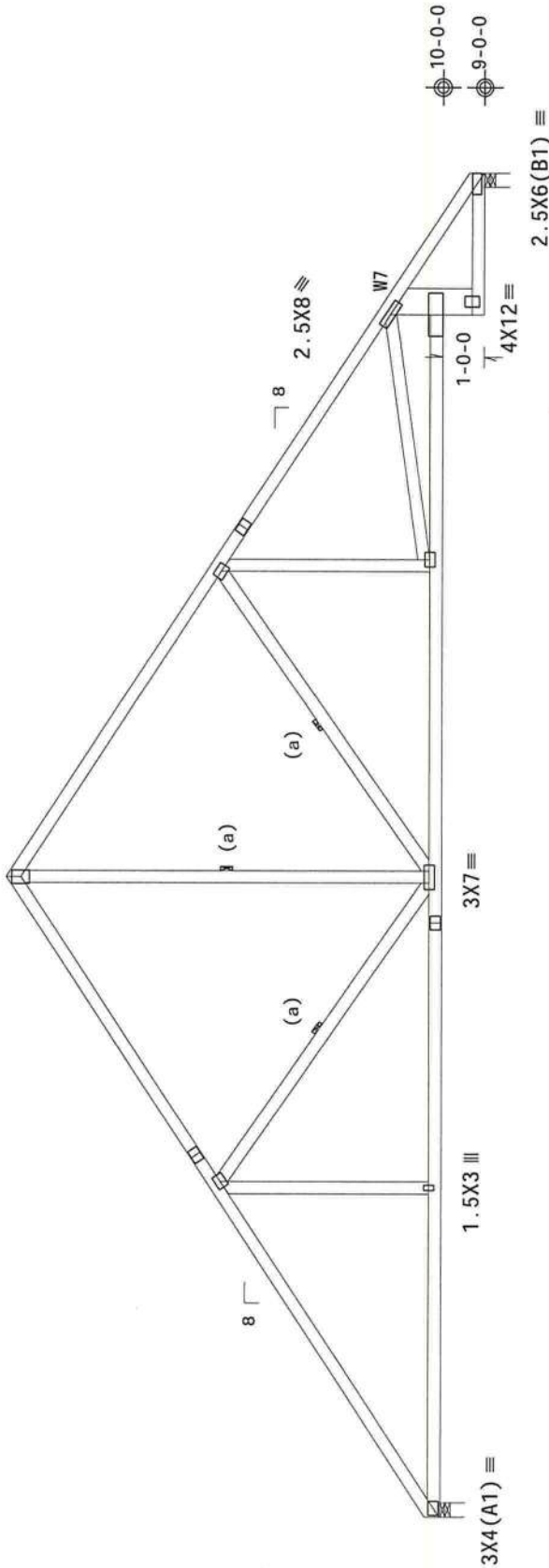
(a) Continuous lateral bracing equally spaced on member.

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

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

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

4X5(R) III



15-1-0 28-4-0 31-8-0 Over 2 Supports 16-7-0 3-4-0
R=1216 U=0 W=4"
RL=168/-173
R=1216 U=0 W=4"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

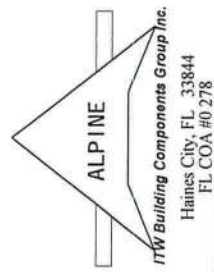
FL/-/5/-/-/R/-

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487--	16828
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUSR487	13066034
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	64443	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	



****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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for practices prior to perforating 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 of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or use of the truss. Apply plates to each face of chord and position as shown above and on the Joint Details, unless noted otherwise. For more information see: This job's drawing or cover page listing this design shown. The suitability and use of this design for any structure is the responsibility solely of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page. ITW-BGG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org



Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A W1 2x8 SP_#2_12A:
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

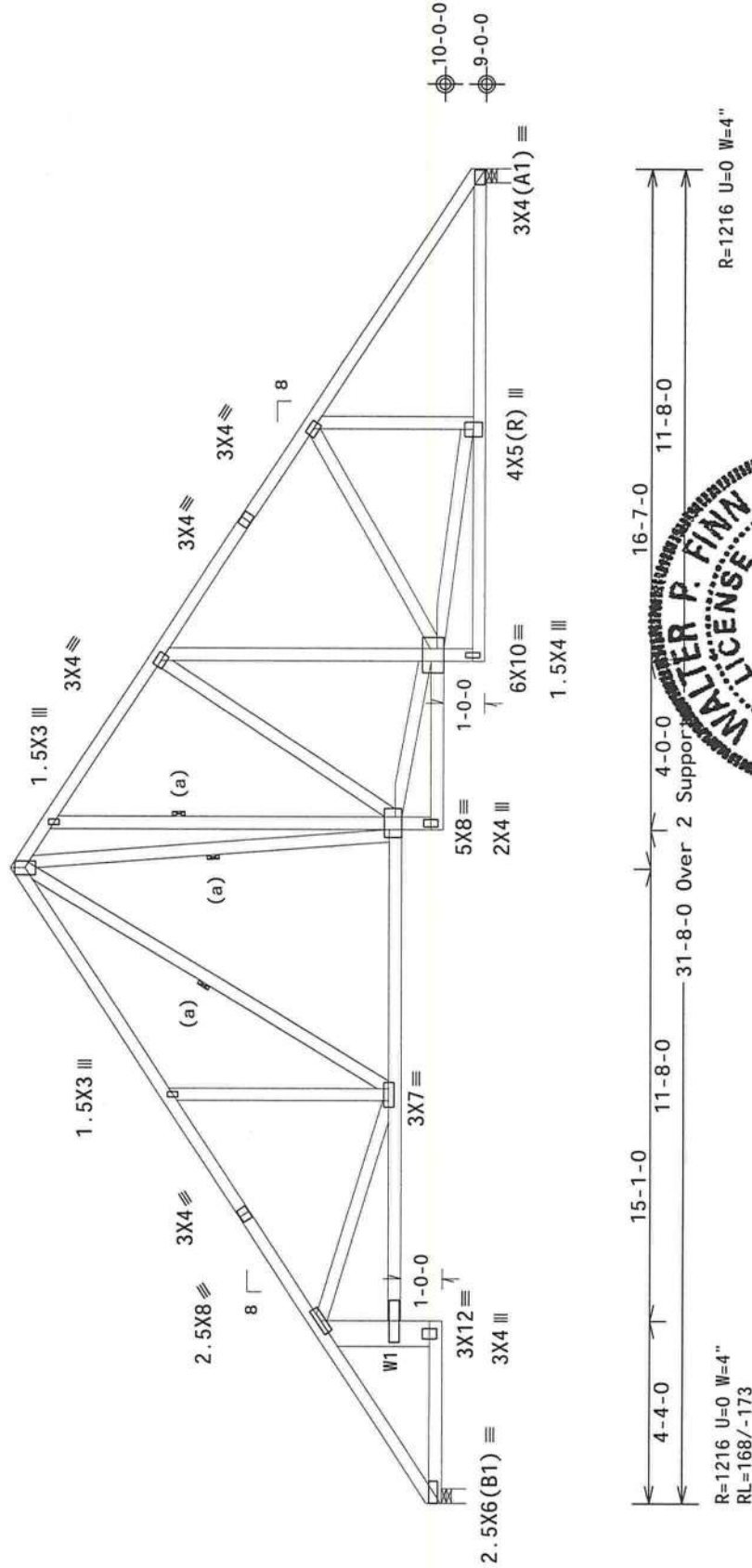
(a) Continuous lateral bracing equally spaced on member.

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

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

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

4X6(R) III



R=1216 U=0 W=4"

R=1216 U=0 W=4"
RL=168/-173

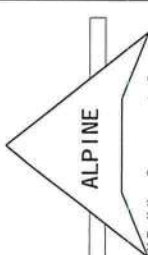
PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

No. 22839
10.03.19

FL/-/5/-/R/-

Scale = .25"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**IMPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing and bracing details, unless noted otherwise. Refer to drawings 180A-2 for standard plate positions. A load on this 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.		TC LL	20.0 PSF	REF	R487--	16829
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing details, unless noted otherwise. Refer to drawings 180A-2 for standard plate positions. A load on this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.abctindustry.com; ICC: www.iccsafe.org		TC DL	7.0 PSF	DATE	03/07/13	
			BC DL	10.0 PSF	DRW	HCUSR487	13066035
			BC LL	0.0 PSF	HC-ENG	SSB/WPF	
			TOT.LD.	37.0 PSF	SEQN-	64415	
			DUR.FAC.	1.25			
		SPACING	24.0"	JREF-	1UUB487_Z04		

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

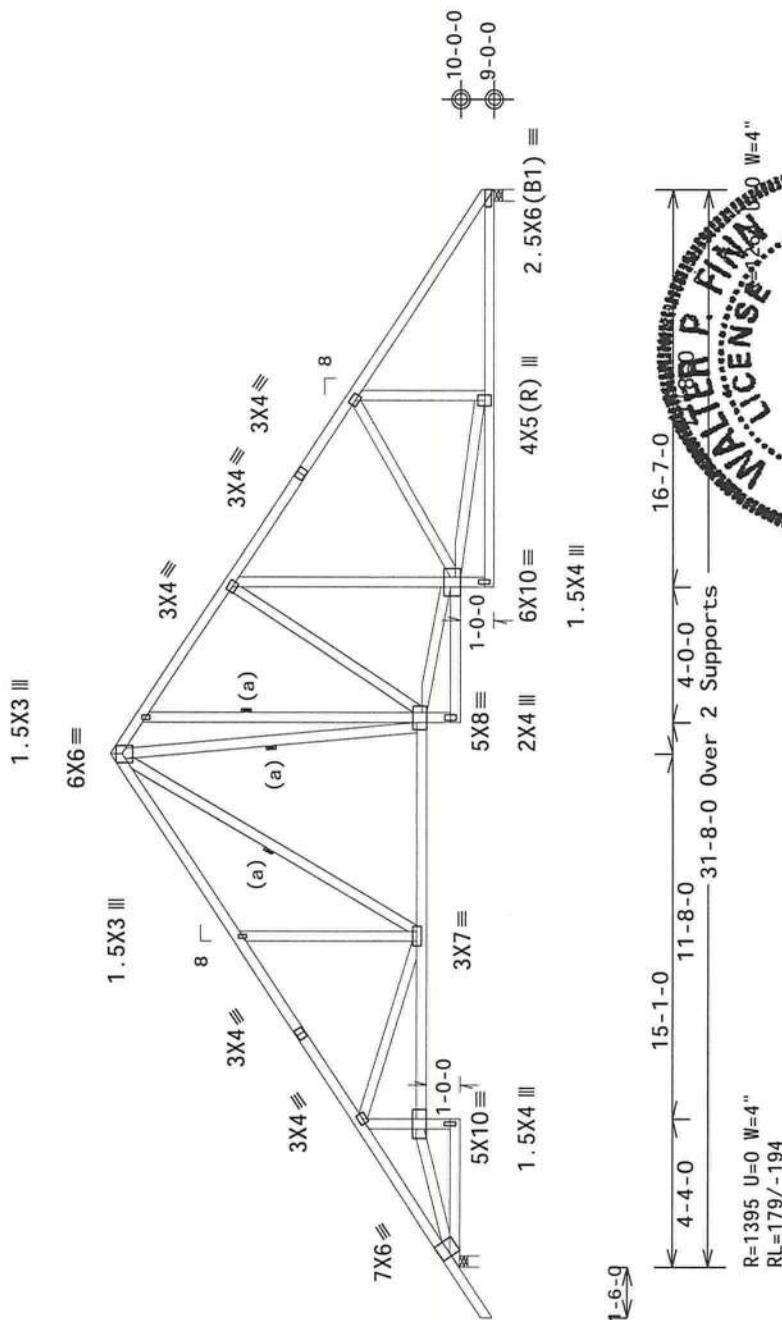
(a) Continuous lateral bracing equally spaced on member.

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

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

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

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

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=10%(0%)/0(0)

FL/-/5/-/-/R/-
Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R487--	16830
TC DL	7.0	PSF	DATE	03/07/13	
BC DL	10.0	PSF	DRW	HCUSR487	13066036
BC LL	0.0	PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0	PSF	SEQN-	64396	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UUB487	Z04

PLT TYP: Wave

****IMPORTANT**** Please require extra care in fabricating, handling, shipping, installing and bracing for the following sections of BGST (Building Components Group Inc.) TPI (Truss Plate Industry) products prior to performing these functions. Installers shall provide temporary bracing per the drawings and cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: www.1554.org www.tpi.com/printout.asp www.bgst.com

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

Trusses require extra care in fabricating, handling, shipping, installing and bracing for the following sections of BGST (Building Components Group Inc.) TPI (Truss Plate Industry) products prior to performing these functions. Installers shall provide temporary bracing per the drawings and cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: www.1554.org www.tpi.com/printout.asp www.bgst.com

ALPINE

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

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - AT9 31'8" Special)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A :W1 2x8 SP_#1_Dense_12A:

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

(a) Continuous lateral bracing equally spaced on member.

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

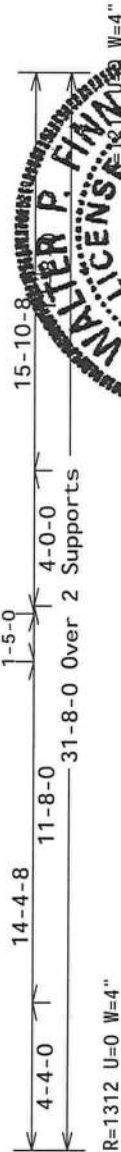
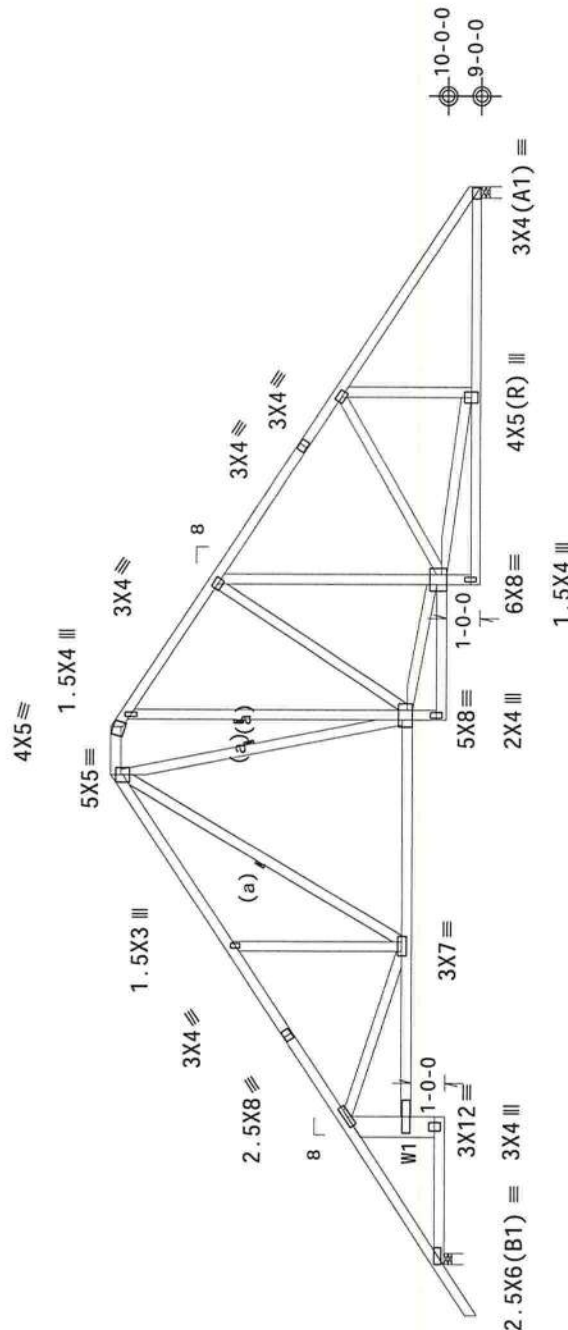
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STU)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 -- 16831
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066037
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	64382
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z04

WALTER P. FINN
LICENSED PROFESSIONAL ENGINEER
No. 22839
STATE OF FLORIDA
03/07/2013

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

WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
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IMPORTANT** 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, installation & bracing. The user of this design shall be responsible for proper installation and bracing. Refer to this drawing or cover page listing this 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: ITW-BGC: www.itwbcg.com; TPI: www.tpiinc.org; WPCA: www.alcindustry.com; IBC: www.iccsafe.org

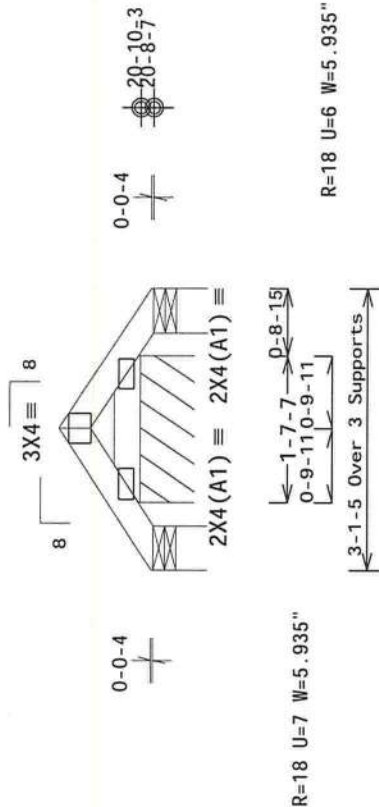
Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

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

1120 mph wind, 21.24 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC
DL=2.0 psf. GCpi (+/-)=0.18

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

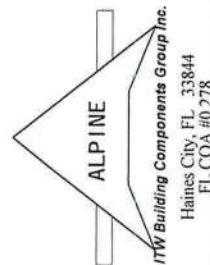
Refer to drawing PB160100212 for piggyback detail. Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.



R=77 PLF U=13 PLF W=1-7-7

Design Crit: FBC2010Res/TP1-2007(S10)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSP (Building Component Safety Information, by TPI and WICA) and the manufacturer's instructions. If any of the following items are noted otherwise, top chord shall have properly attached structural sheathing and bracing. Bottom chord shall have properly attached structural sheathing and bracing. All other chords shall have a properly attached rigid ceiling. Conditions shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

[illegible]

FL/-/5/-/-/R/-			Scale = 5"/Ft.
TC LL	20.0 PSF	REF	R487-- 16832
TC DL	7.0 PSF	DATE	03/07/13
8C DL	10.0 PSF	DRW	HCUSR487 13066038
8C LL	0.0 PSF	HC-ENG	SSB/W/PF
TOT.LD.	37.0 PSF	SEQN-	64022
DOUR.FAC.	1.25		
SPACING	24.0"	JREF-	11UJB487 704

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - BDG 22' Gable)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A
Stack Chord SC1 2x4 SP #1_12A::Stack Chord SC2 2x4 SP #1_12A:
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

See DWGS A12015ENC100212, GBLLET100212, & GABRST100212 for more requirements.

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

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

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

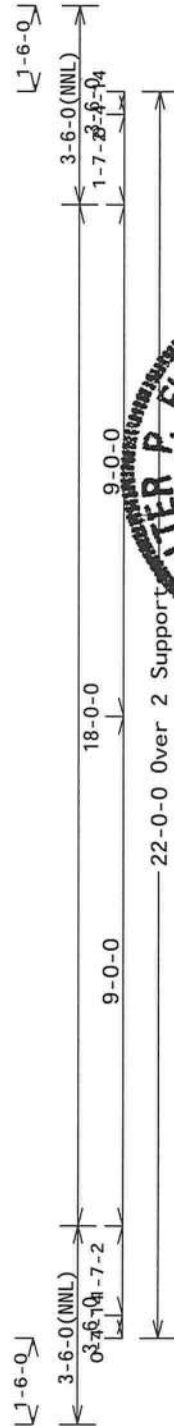
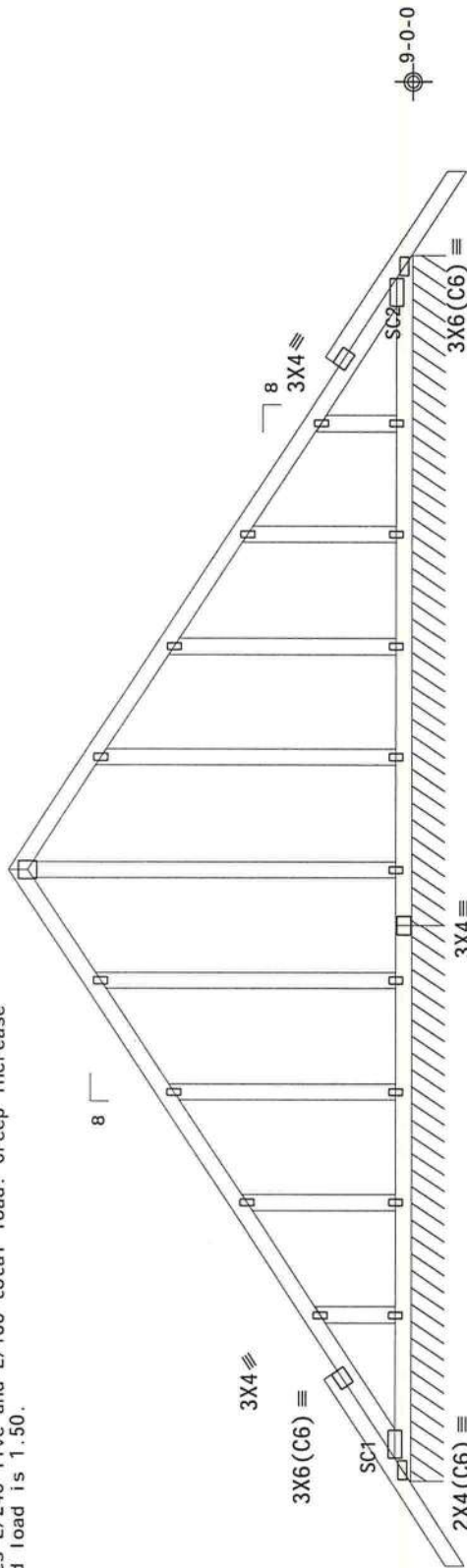
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. $G_{CPI}(\pm)=0.18$

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

Gable end supports 8" max rake overhang.

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

4X4



R=148 PLF U=9 PLF W=10-0-0
RL=15/-15 PLF

R=149 PLF U=3 PLF W=2-2-0
FT/RT=10%(0%)/0(0)

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(SI)
Scale = .3125"/Ft.

10.03.17.0209.19



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WTCA. 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. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this design. The suitability and use of this design for any 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; WTCA: www.sheindustry.com; ICC: www.iccinfo.org

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

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF	R487--	16834
TC DL	7.0 PSF		DATE	03/07/13	
BC DL	10.0 PSF		DRW	HCUR487	13066002
BC LL	0.0 PSF		HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF		SEQN-	57137	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UUB487_Z04	

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - C 10'4" Common)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A

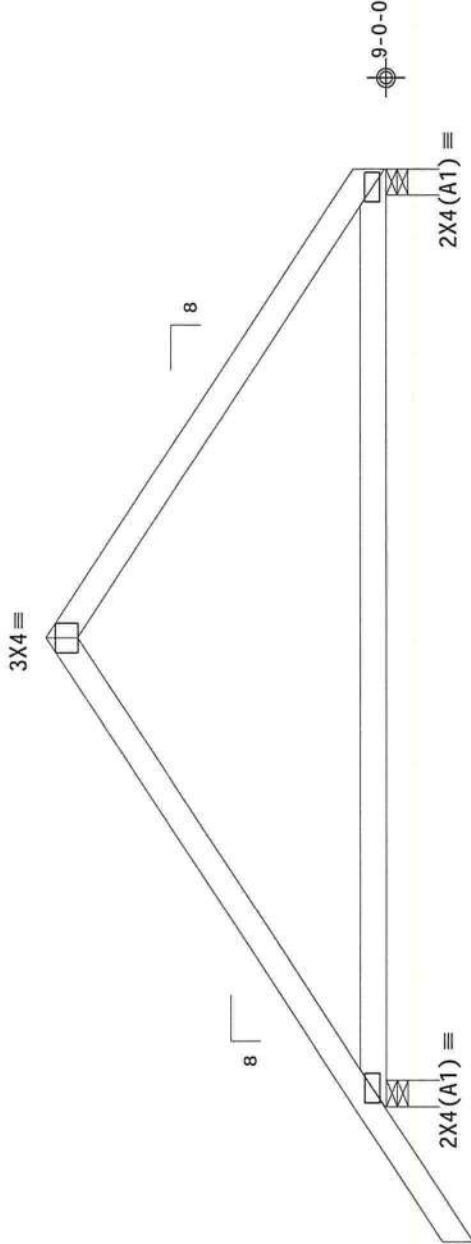
Lumber grades designated with "12A" use design values approved
1/5/2012 by ALSC.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC
DL=5.0 psf. GCpi(+/-)=0.18

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

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



1-6-0
5-2-0
10-4-0 Over 2 Supports
5-2-0
R=498 U=39 W=3.5"
RL=66/-74



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

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

TC LL	20.0 PSF	REF	R487--	16835
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUSR487	13066003
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	57221	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	

ALPINE

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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for a complete list of 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 end panels 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, installation & bracing. Refer to drawings 160A-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 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; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - C1 10'4" Common)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A

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

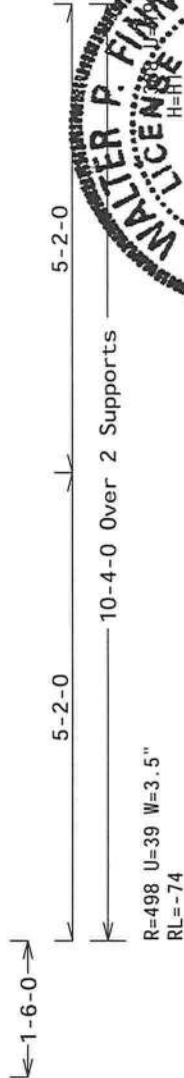
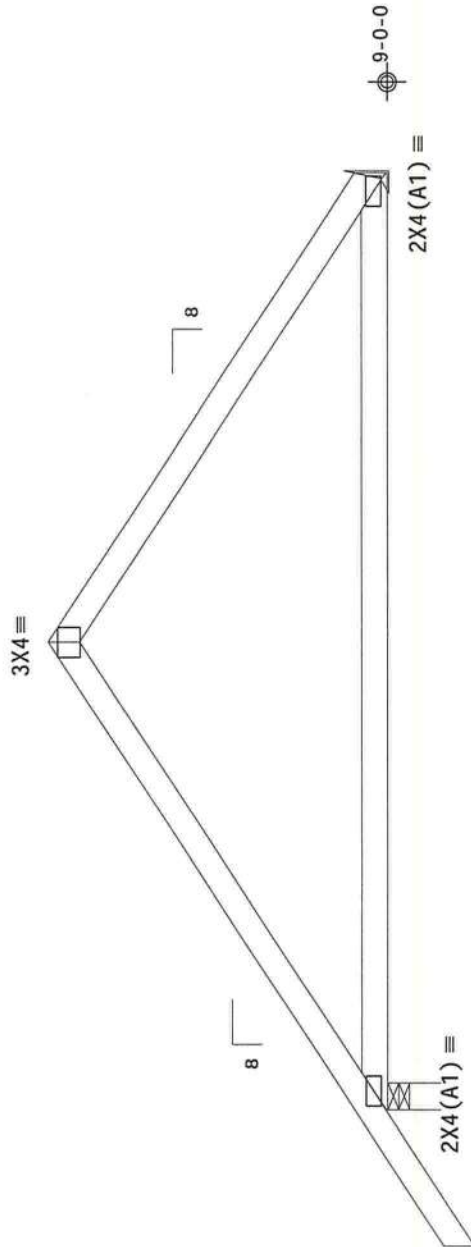
(H1) = (J) Hanger not calculated (1)2x4 SP #1_12A supporting member.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. 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.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

No. 22839

FL/-/5/-/-/R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R487--	16836
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUSR487	13066004
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	57220	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Trusses shall be braced in accordance with the manufacturer's instructions for permanent lateral restraint. Trusses shall have bracing installed per BCSI sections B3, B7 and B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. Trusses shall be braced in accordance with the manufacturer's instructions for permanent lateral restraint. Trusses shall have bracing installed per BCSI sections B3, B7 and B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on 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 per ANSI/TPI 1 Sec.2. For more information see: This Job's ITW-800, www.itwbcg.com, TPI: www.tpiinc.org, WTA: www.structure.com, ICC: www.iccsafe.org

ALPINE

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



120 mph wind, 15.00 ft mean hgt., ASCE 7-10. CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

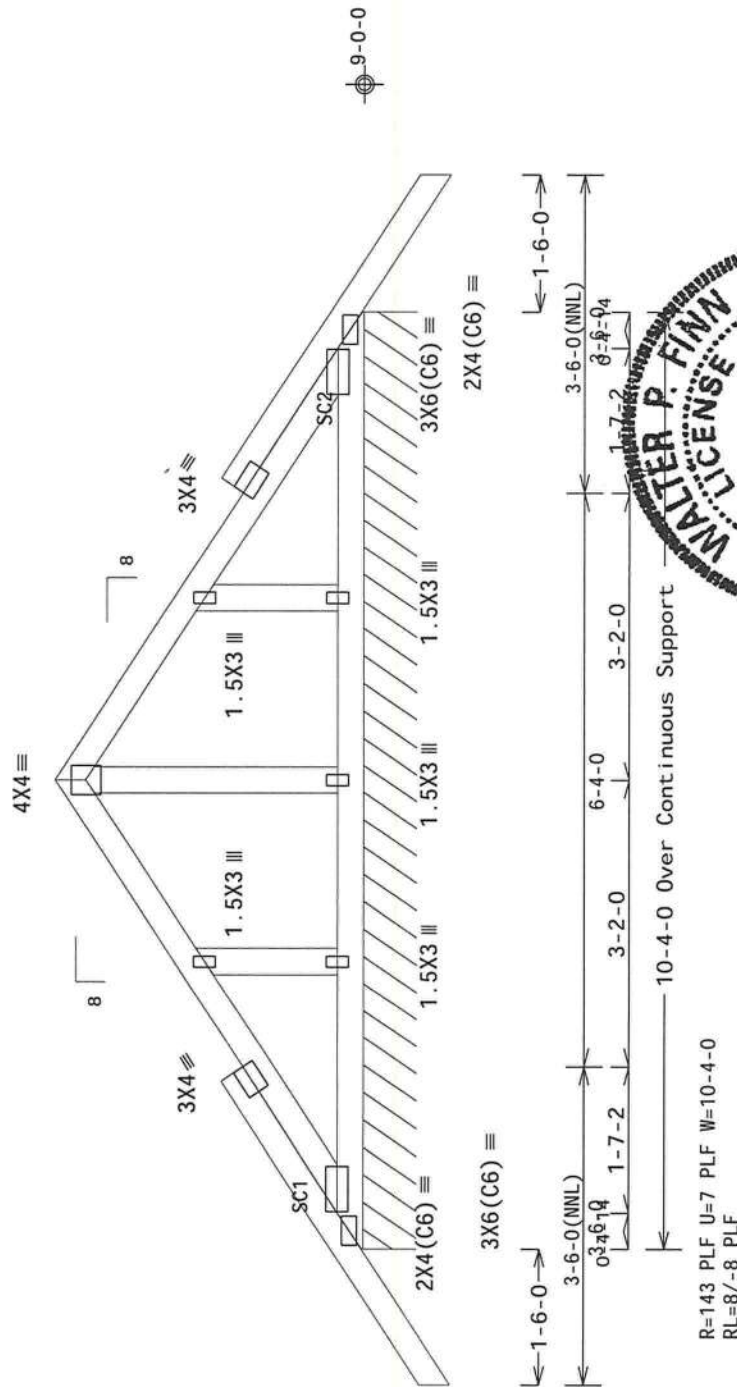
Wind loads and reactions based on MWFRS with additional C&C member design.

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

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

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



R=143 PLF U=7 PLF W=10-4-0
RL=8/-8 PLF

Design Crit: FBC2010Res/TPL-2007(STA)

 $FT/RT = 10\%(0\%) / 0(0)$ FL/-/5/-/-/R/-
Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

03/07/2013

STATE OF FLORIDA

PROFESSIONAL ENGINEER

****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 following notes for additional information, by TP1 and WPCA (WPC) for more information on the practices prior to installing the trusses. The trusses are designed for the following conditions. 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 the 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 truss in conformance with ANSI/TP1 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-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for this design shown. This design shall be used for this design for any structure is designed in accordance with the design shown. Refer to drawings 160A-Z for standard plate positions. This job's general notes page: ITW-BGC: www.itwbcg.com; TP1: www.tp1net.org; WPCA: www.alcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487 --	16837
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUSR487	13066005
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT. LD.	37.0 PSF	SEQN-	57216	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487	Z04

Top chord 2x4 SP-#1_12A
Bot chord 2x4 SP-#1_12A

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

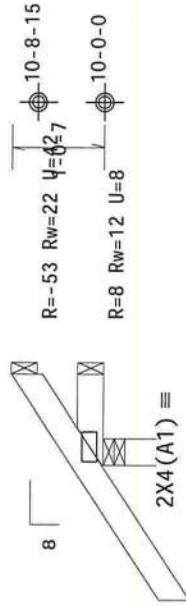
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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

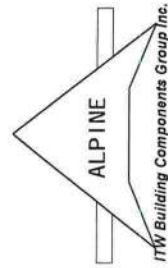


←-1-6-0-→
1-0-0 Over 3 Supports

R=234 U=39 W=3.5"
RL=27/-23

Design Crit: FBC2010Res/TPI-2007 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave



Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487-- 16838
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066006
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	37.0 PSF	SEQN-	56785
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z04

****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. Follow 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 details, unless noted otherwise. Top chord shall have property attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with the design shown. The responsibility for the design shown, 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.tpiinc.org, WCA: www.structure.com, ICC: www.iccsafe.org

	Top chord	2x4	SP_#1_12A
Bot chord	2x4	SP_#1_12A	
Webbs	2x4	SP_#3_12A	

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

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

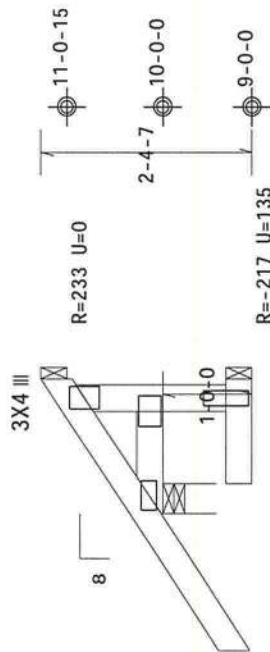
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Negative reaction(s) of -216# MAX. (See below) from a non-wind load case requires uplift connection.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. 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.


$$2 \times 4(A1) \equiv 3 \times 4 \equiv$$
$$\begin{array}{c} \downarrow \\ \leftarrow 1-6-0 \rightarrow \\ \downarrow \end{array}$$

0-4-0-9-10-4-4
1-6-0 Over 3 Supports

R=217 U=27 W=4"
RL=32/-25

Design Crit: FBC2010Res/TP1-2007(ST

PLT TYP. Wave

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

*****IMPORTANT*****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the instructions carefully. Do not follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for bracing unless specifically noted otherwise. Installers shall provide temporary bracing per the instructions noted prior to performing these functions. Installers shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ALPINE

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

FL COA #0 278

Scale = .5"/Ft.

FL/-/5/-/-/R/-

TC LL	20.0 PSF
-------	----------

R487-- 16840

DATE 03/07/13

DATE 03/01/13

DDMM HHMMSS 13000000

JKW HCUSR48 / 1306
10 ENG CCD 4115F

HC-ENG SSB/WPH

TOT.LD.	37,0
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DUR. FAC. 1.25

UREF- 1UUB487_Z04

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - CJ5 5' Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

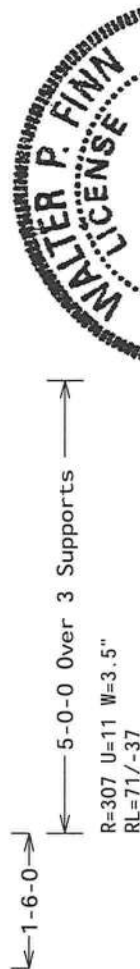
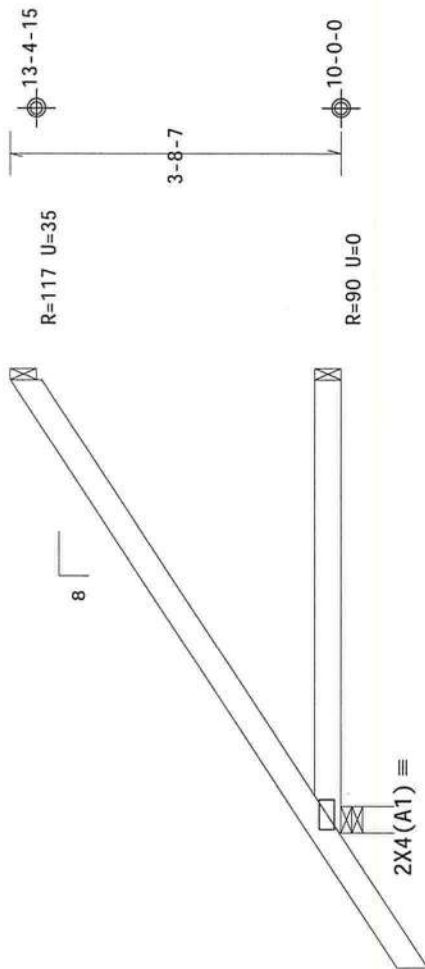
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MMFRS 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.

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



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

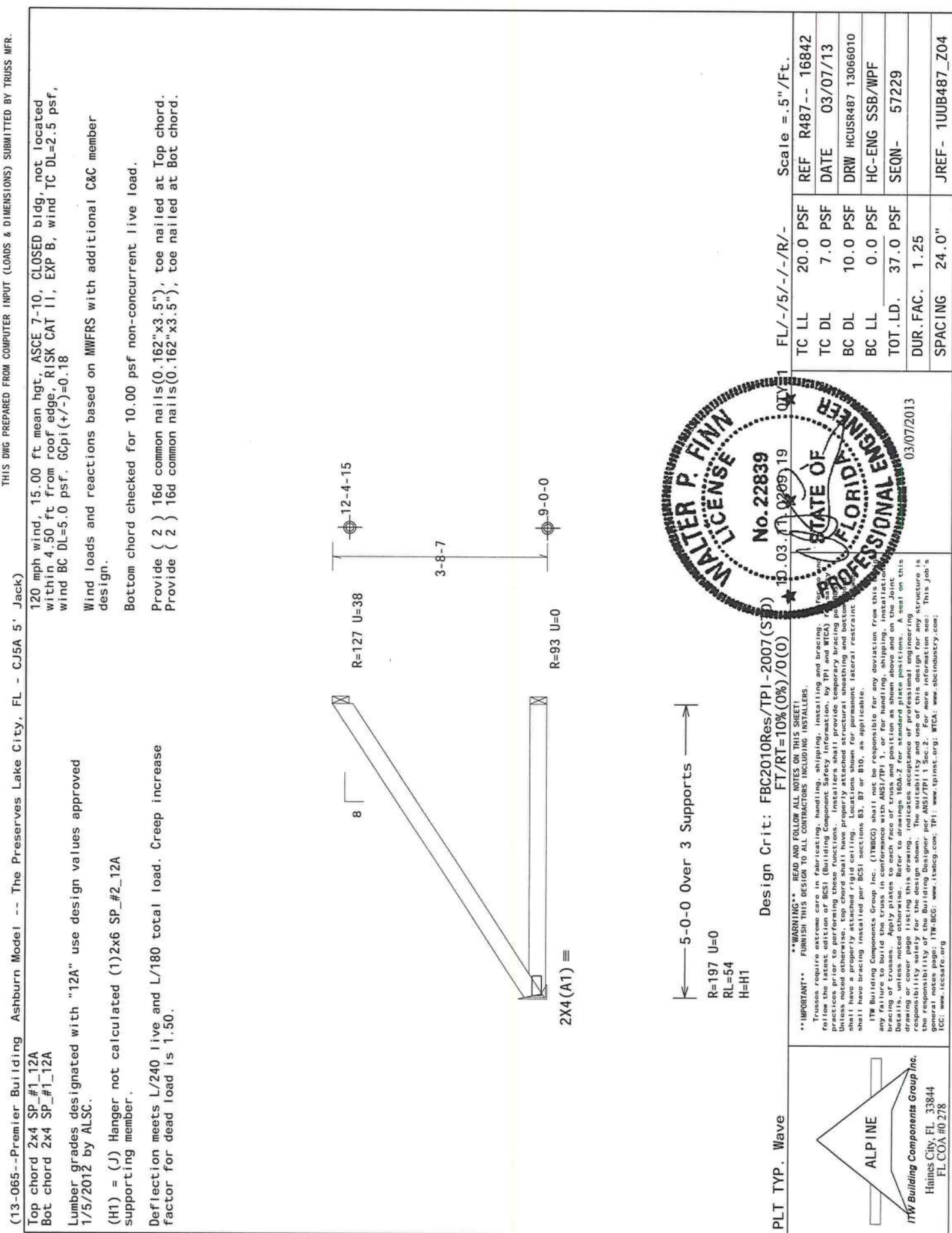
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the user. ITWBCG does not warrant the design for any specific use. This job is general notes page. ITWBCG: www.itwbcg.com, TPI: www.tpi.net, ICC: www.iccsafe.org

DATE: 03/17/2013
TIME: 09:19

Scale = .5" / Ft.

REF R487-- 16841
DATE 03/07/13
DRW HCUSR487 13066009
HC-ENG SSB/WPF
SEQN- 56787
JREF- 1UUB487_Z04

FL/-/5/-/-/R/-
TC LL 20.0 PSF
TC DL 7.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT. LD. 37.0 PSF
DUR. FAC. 1.25
SPACING 24.0"



(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - CJ5A 5' Jack)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A

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

(H1) = (J) Hanger not calculated (1)2x6 SP #2_12A supporting member.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. 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.

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.

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

PLT TYP. Wave

ALPINE

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

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

R=197 U=0
RL=54
H=H1

5-0-0 Over 3 Supports

2X4 (A1)

R=127 U=38

8

3-8-7

12-4-15

R=93 U=0

WATER P. FINN
LICENSE
No. 22839
10.03.17 0209.19
STATE OF FLORIDA
PROFESSIONAL ENGINEER

03/07/2013

FL/-/5/-/-/R/-	Scale = .5"/Ft.
TC LL 20.0 PSF	REF R487-- 16842
TC DL 7.0 PSF	DATE 03/07/13
BC DL 10.0 PSF	DRW HCUSR487 13066010
BC LL 0.0 PSF	HC-ENG SSB/WPF
TOT. LD. 37.0 PSF	SEQN- 57229
DUR. FAC. 1.25	
SPACING 24.0"	JREF- 1UUB487_Z04

****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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for proper erection and bracing. Trusses shall be erected and braced in accordance with the instructions provided on the truss. Unless noted otherwise, top chord shall have properly attached steel bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this 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 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 this drawing page listing this drawing. Indicates acceptance of professional engineering for the erection and bracing of the truss. The responsibility of the Building Designer per ANSI/TPI 1, Sec. 2. For more information, see the general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpi.net.org; WTC: www.sbcindustry.com; ICC: www.iccsafe.org

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

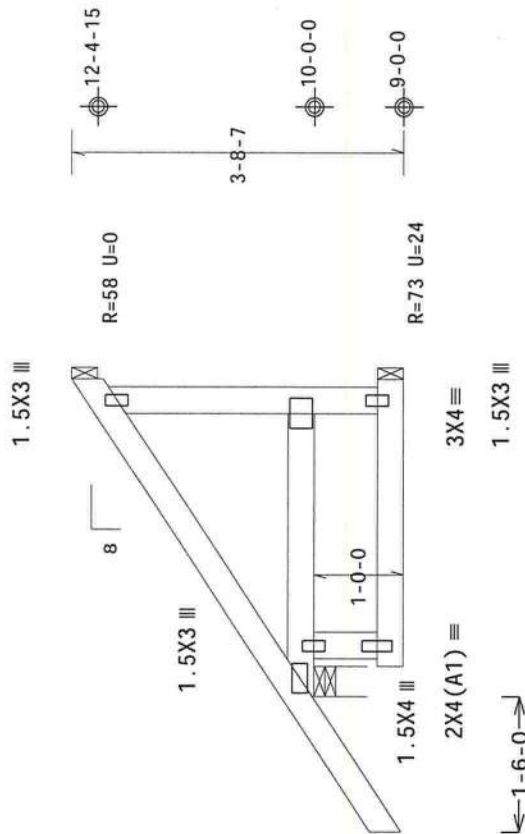
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

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=257 U=15 W=4"

 RL=54/-31

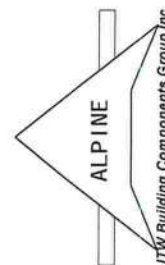
Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Component Safety Information, by TPI and WIGA for more information on this subject. Unless noted otherwise, top chord shall have properly attached structural sheathing and bracing. All other chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITB Building Components Group Inc. (ITB/BCG) shall not be responsible for any deviation from this design. ITB/BCG shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1-1, or for handling, shipping, installation or unloading of the truss. ITB/BCG shall not be responsible for any damage to the truss or its components during the fabricating 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 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 per ANSI/TPI 1 Sec. 2. For more information see: This job's generator notes page: ITB-B00: www.itbwcg.com. TPI: www.tpi.net; WTC: www.sbsindust.com.

PLT TYP; Wave



Haines City, FL 33844
FL COA #0 278

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 16843
TC DL	7.0 PSF	DATE 03/07/13
BC DL	10.0 PSF	DRW HCUR487 13066011
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	37.0 PSF	SEQN- 57069
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UUB487 Z04

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

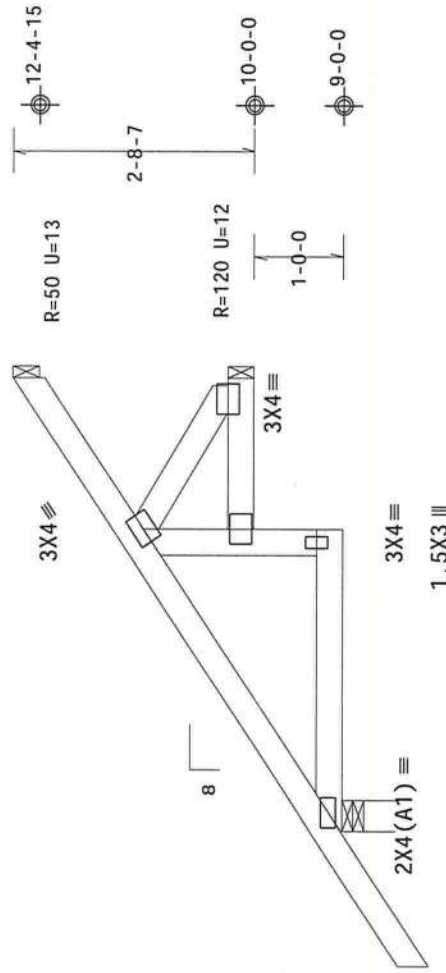
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MMFRS 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. Creep increase factor for dead load is 1.50.

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



1-6-0

3-4-0
5-0-0 Over 3 Supports
1-8-0

R=307 U=11 W=4"
RL=71/-37



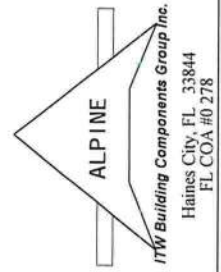
Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

TC LL	20.0 PSF	REF	R487-- 16844
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066012
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.	37.0 PSF	SEQN-	57224
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z04

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for practices prior to performing these functions. Installers shall provide temporary bracing for trusses noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing or plaster. Trusses shall be braced in accordance with 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 trusses in accordance with ANSI/TPI 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 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 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.wcaindustry.com; ICC: www.iccnafpe.org



120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

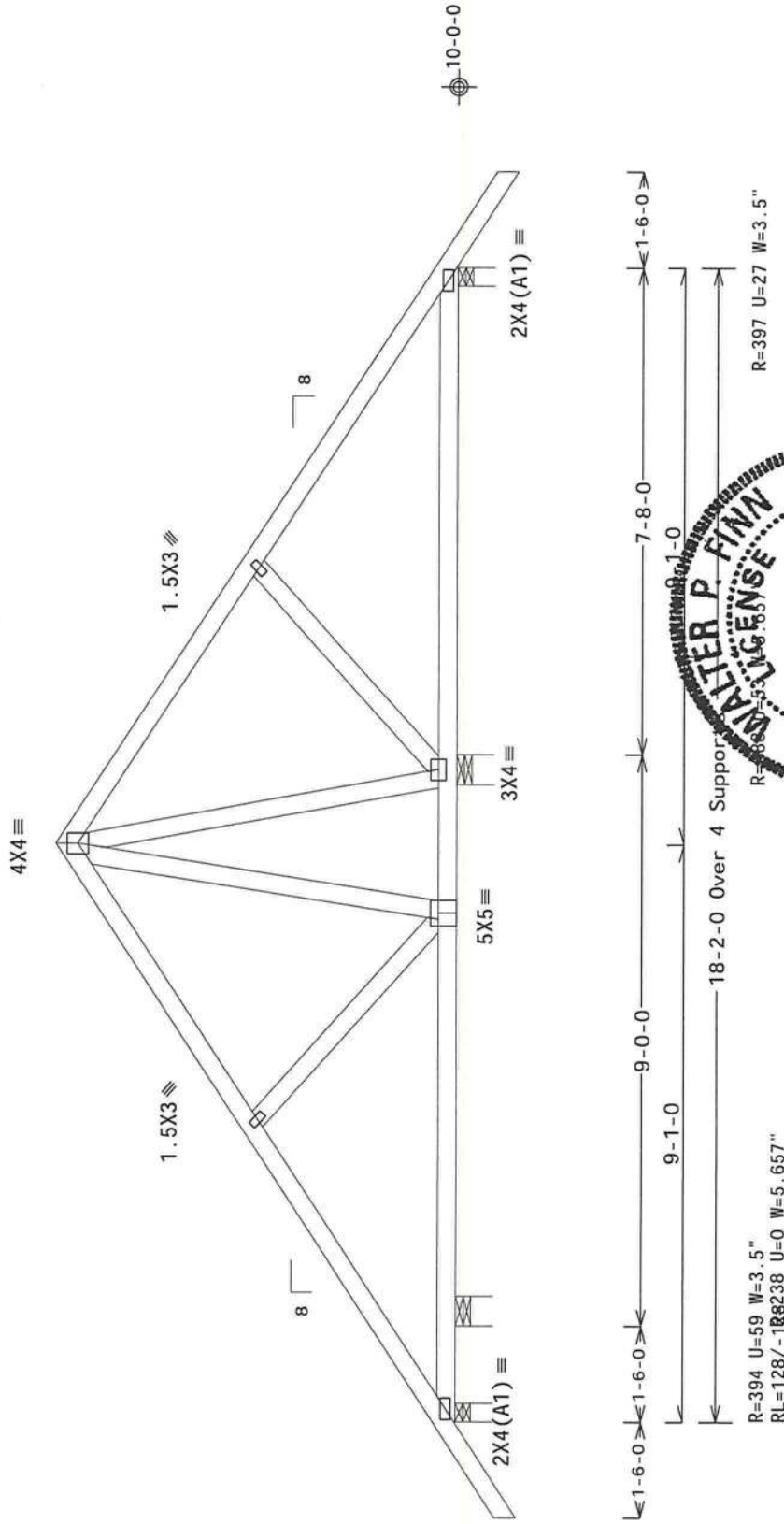
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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. Creep increase factor for dead load is 1.50.

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



R=394 U=59 W=3.5"
RL=128/-108238 U=0 W=5.657"

R=89.0053 NG
ENSE
R=397 I=27 W=3.5"

Design Crit: FBC2010Res/TPI-2007(ST
FT/RT=10%(0%)/0(0))

Scale = .375"/Ft.

PLT TYP. Wave

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

****IMPORTANT****

****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 following sections of the BCSI Manual for complete safety information and bracing instructions prior to performing these functions. Installers should refer to the following sections of the BCSI Manual for complete safety information and bracing instructions. Trusses not otherwise noted shall have a properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 84 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The manufacturer shall be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each race of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings T60A-Z 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 per ANSI/TPI 1 Sec. 2. For more information: This job's engineer, ITWBCG, can be reached at: Tel: 800-368-7263; Fax: 800-368-7264; E-mail: info@itwbcg.com; Web: www.itwbcg.com; ITW-Edo: www.edo.com; TPI: wpstpi@net.org; WTA: www.sbcindustries.com; IBC: www.icbc.org

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12546
J. M. Smith

TC LL	20.0 PSF	REF R487 --	16845
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066013
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	57307
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	11UJR487 704



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

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - DG 18'2" Common Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

Special loads

-----Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 pif at -1.50 to 57 pif at 1.73
TC- From 28 pif at 1.73 to 28 pif at 9.08
TC- From 57 pif at 9.08 to 57 pif at 19.67
BC- From 5 pif at -1.50 to 5 pif at 0.00
BC- From 10 pif at 0.00 to 10 pif at 9.73
BC- From 20 pif at 9.73 to 20 pif at 18.17
BC- From 5 pif at 18.17 to 5 pif at 19.67
BC- 1245.04 lb Conc. Load at 1.73, 3.73, 5.73
BC- 1261.23 lb Conc. Load at 7.73, 9.73

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

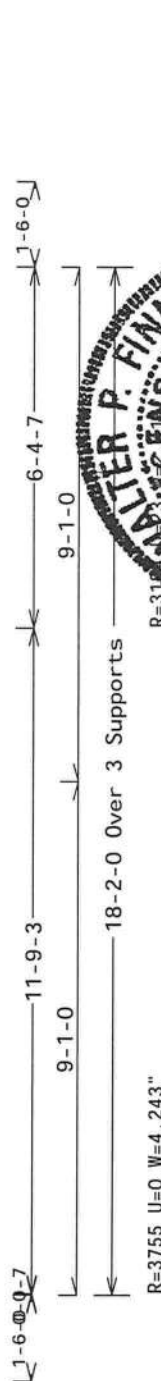
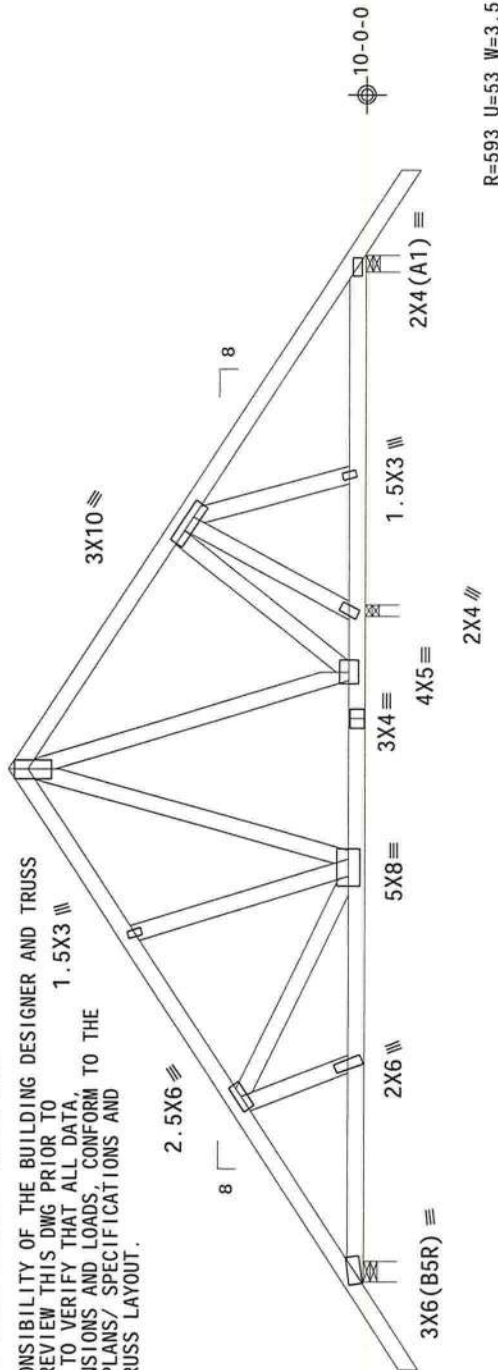
2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

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



Design Crit: FBC2010Res/TPI-2007(SD) FT/RT=10%(0%)/O(O)

PLT TYP. Wave	No. 22839		FL/-5/-/-/R/-	Scale = .3125"/Ft.
	10.03.17.0289.19	QTY 1	TC LL 20.0 PSF	REF R487-- 16846
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	STATE OF FLORIDA		TC DL 7.0 PSF	DATE 03/07/13
	PROFESSIONAL ENGINEER		BC DL 10.0 PSF	DRW HCUSR487 13066054
03/07/2013		WALTER P. FINN LICENSE	BC LL 0.0 PSF	HC-ENG SSB/WPF
			TOT.LD. 37.0 PSF	SEQN- 64046
			DUR.FAC. 1.25	
			SPACING 24.0"	JREF- 1UUB487_Z04

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A

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

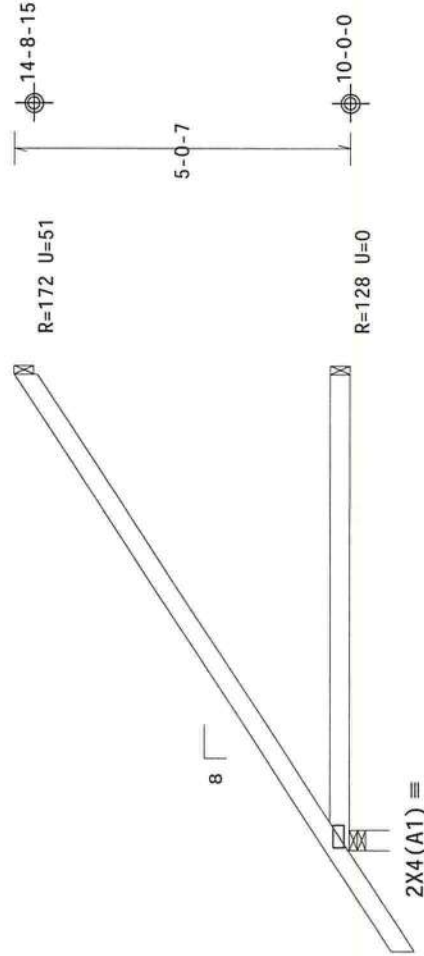
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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

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



1-6-0

7-0-0 Over 3 Supports

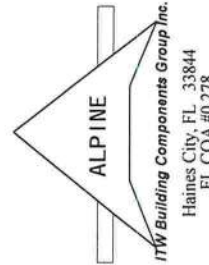
R=379 U=7 W=3.5"
RL=93/-43

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing per details, unless noted otherwise. Refer to drawings 1608-2 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 per ANSI/TPI 1 Sec.2. For more information see: the real notes page, ITW-BCSI: www.itw-bcsi.com, TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC DL	7.0 PSF	REF	R487-- 16847
BC DL	10.0 PSF	DATE	03/07/13
BC LL	0.0 PSF	DRW	HCUSR487 13066014
TOT. LD.	37.0 PSF	HC-ENG	SSB/WPF
DUR. FAC.	1.25	SEQN-	56784
SPACING	24.0"	JREF-	1UUB487_Z04

	Top chord	2x4	SP_#1	12A
	Bot chord	2x6	SP_#2	12A
	Webbs	2x4	SP_#3	12A

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

1120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Hanger support required, by others.

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

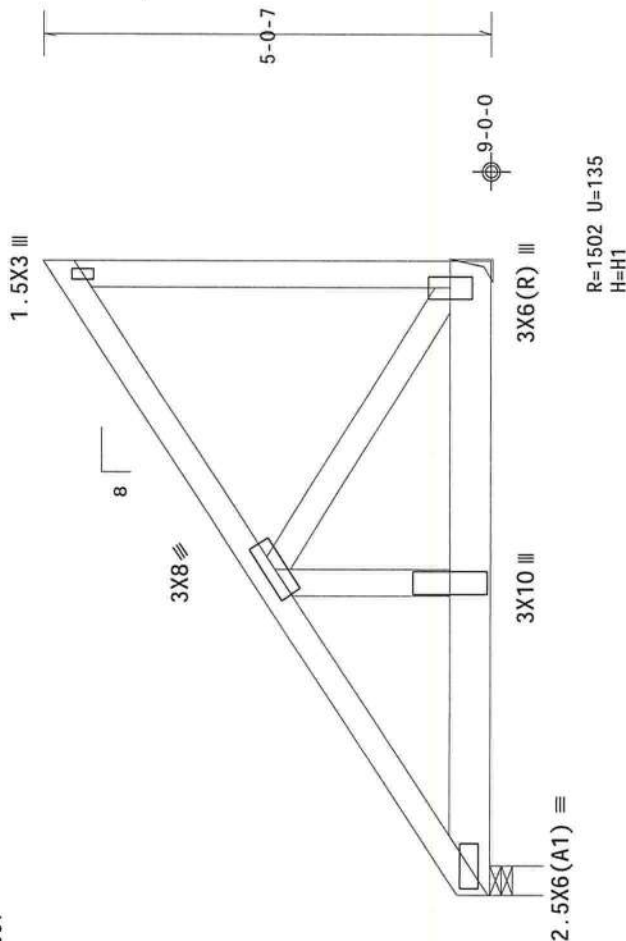
Special loads

	(Lumber	Dur.	Fac.=1.25	/	Plate	Dur.	Fac.=1.25)
TC-From	57	plf at	0.00	to	57	plf at	7.00
BC-From	10	plf at	0.00	to	10	plf at	7.00
BC-197.00	lb	Conc.	Load at		1.42		
BC-1477.92	lb	Conc.	Load at		3.40		
BC-698.84	lb	Conc.	Load at		5.40		

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

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



7-0-0 Over 2 Supports
R=1340 U=117 W=4" (4" min.)



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STB
 $FT/RT=10\%(0\%)/0(0)$

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

[illegible][illegible]

FL/-/5/-/-/R/-		Scale = .5"/Ft.
TTC LL	20.0 PSF	REF R487 -- 16848
TTC DL	7.0 PSF	DATE 03/07/13
BC DL	10.0 PSF	DRW HCUSR487 1306052
BC LL	0.0 PSF	HC-ENG SSB/WPFF
TOT.LD.	37.0 PSF	SEQN- 1693 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UUB487_Z04

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - E/JT 7' End Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

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

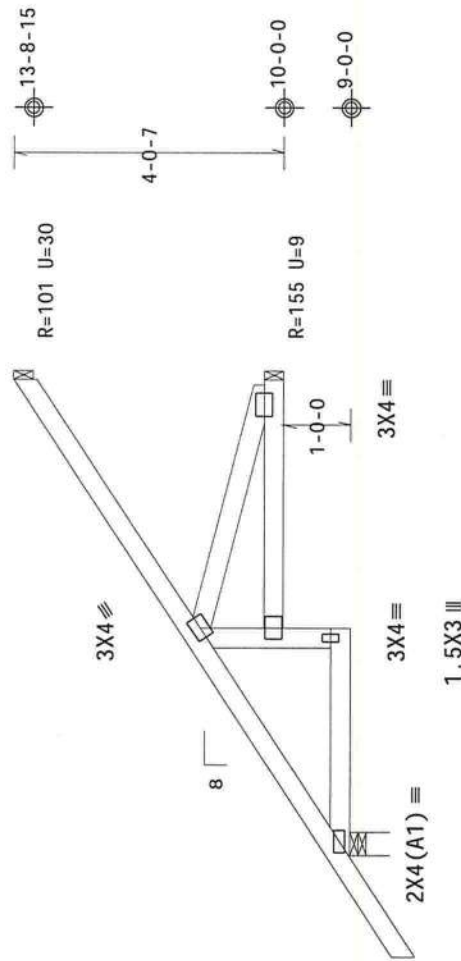
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

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

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



1-6-0

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

R=379 U=6 W=4"
RL=93/-43



Design Crit: FBC2010Res/TPI-2007(STP)

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

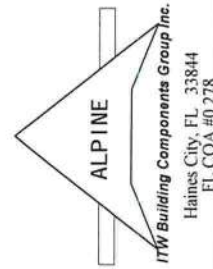
PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing and bracing 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 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, installation or use of the truss. Refer to drawings 160A-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 per ANSI/TPI 1 Sec. 2. For more information see: general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sdcindustry.com; ICC: www-iccinfo.org



Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	16849
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUR487	13066039
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	57230	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

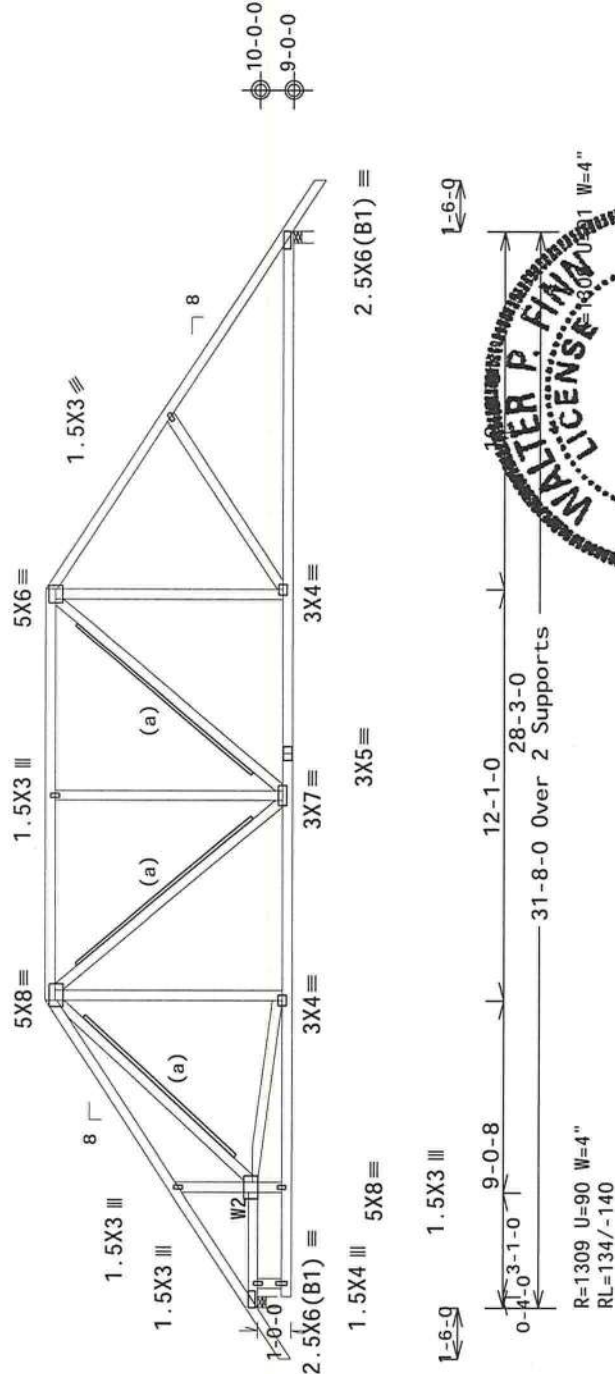
Wind loads and reactions based on MMFRS with additional C&C member design.

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

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

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

Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)



PLT TYP. Wave		Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0)		FL/-/5/-/-/R/-		Scale = .1875"/Ft.	
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278		**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For all trusses follow the latest edition of BCSP (Building Component Safety Information, by TPI and WTC) for safe practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. 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 wall shall have bracing installed per BCSP 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, installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing indicates that the design was prepared by a Professional Engineer. The user of this design assumes the responsibility of the Building Designer. 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-BGC: www.itwbcg.com; TPI: www.tpinet.org; WTC: www.saciindustry.com; ICC: www.iccsafe.org		03/07/2013		03/07/2013	
		TC LL		20.0 PSF		REF R487-- 16850	
		TC DL		7.0 PSF		DATE 03/07/13	
		BC DL		10.0 PSF		DRW HCUSR487 13066040	
		BC LL		0.0 PSF		HC-ENG SSB/WPF	
		TOT.LD.		37.0 PSF		SEQN- 57172	
		DUR.FAC.		1.25			
SPACING		24.0"		JREF- 1UUB487_Z04			

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A :W1, W2 2x4 SP_#1_12A:
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

Right cantilever is exposed to wind

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

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

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

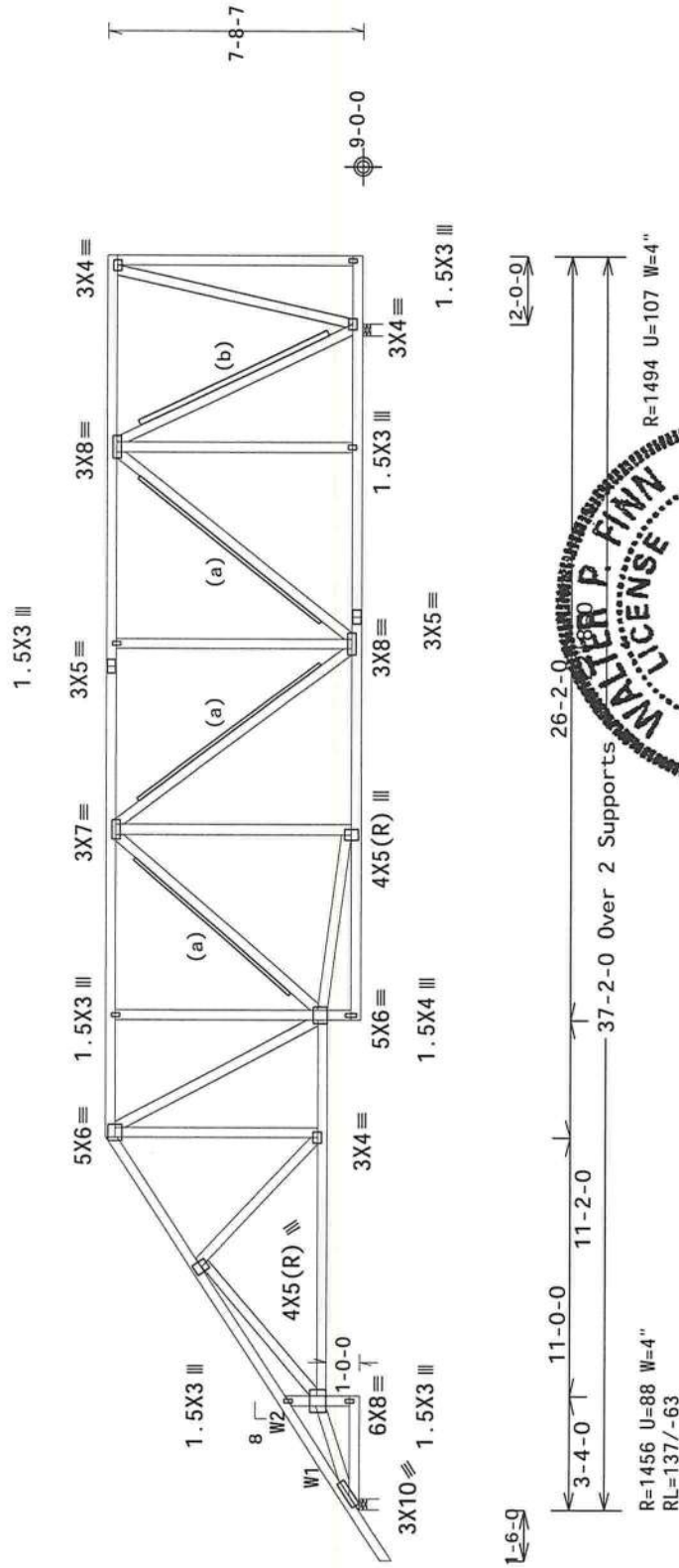
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

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

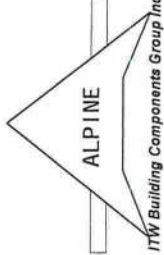
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)

FL/-/5/-/-/R/- Scale =.1875"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	No. 22839 03/14/2013 STATE OF FLORIDA WALTER P. FINN LICENSE PROFESSIONAL ENGINEER 03/07/2013				REF R487-- 16851
	TC LL	20.0 PSF	DATE	03/07/13	DRW HCUSR487 13066041
	TC DL	7.0 PSF	HC-ENG	SSB/WPF	SEQN- 57284
	BC DL	10.0 PSF	TOT.LD.	37.0 PSF	DUR.FAC. 1.25
	BC LL	0.0 PSF	SPACING	24.0"	JREF- 1UUB487_Z04
	JREF- 1UUB487_Z04				
	JREF- 1UUB487_Z04				

Top	chord	2x4	SP_#1_12A
Bot	chord	2x4	SP_#1_12A
	Webs	2x4	SP_#3_12A

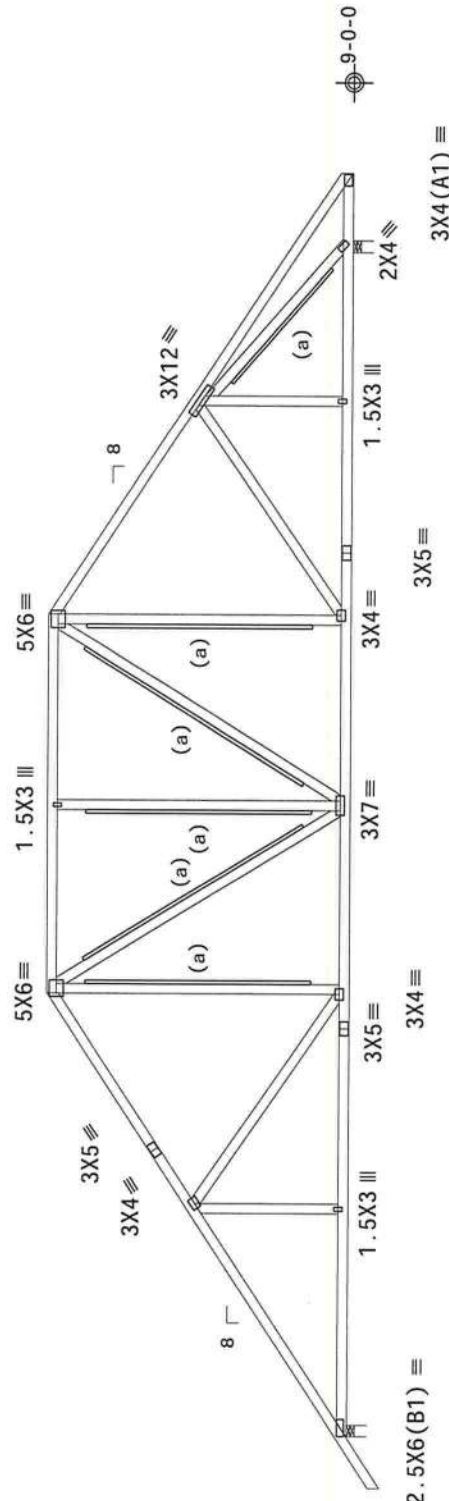
Right cantilever is exposed to wind

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

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

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

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



U-6-9

1
R=1442 U=98 W=4"
RL=156/-165

11-2-0
over 2 Supports.

13-0-0

[2-0-0]

R=1508 U=83 W=4"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI -2007 (STD
FT/RT=10%(0%)/0(0))

FL/-/5/-/-/R/-/
Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R487--	16852
TC DL	7.0	PSF	DATE	03/07/13	
BC DL	10.0	PSF	DRW	HCUSR487	13066042
BC LL	0.0	PSF	HC-ENG	SSB/WIPF	
TOT.LD.	37.0	PSF	SEQN-	57219	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UUB487_Z04	

03/07/2013

[illegible]

ALPINE

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

120 mph wind, 15.04 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Right cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

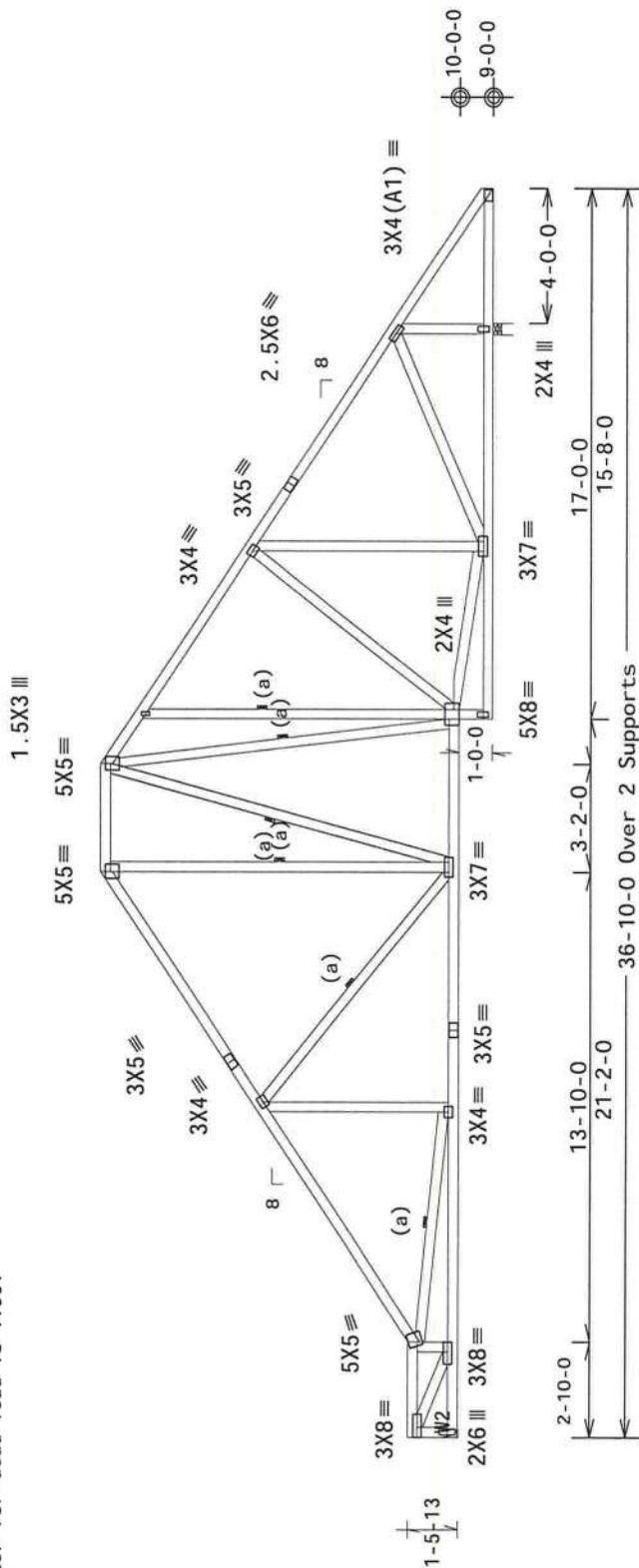
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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"

MMWFRS loads based on trusses located at least 15.04 ft. from roof edge.



R=1245 U=0
RL=166/-177

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-/5/-/-/R/-
Scale = .1875"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BCSP (Building Component Safety Information) by TPI and WCA for proper installation and performing these functions. Installers shall provide temporary bracing per the instructions shown on the drawings. Locations shown for permanent lateral restraint or bracing shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (**TWBCS**) shall not be responsible for any deviation from this design or specification caused by its own failure to build the truss in conformance with ANSI/TPI-1, or for handling, shipping, installation or unloading of trusses. The responsibility for determining the location, size, bracing of trusses, placement of plates to each face of truss and position as shown above and on the Joint-to-Joint Details, unless noted otherwise. Refer to drawings T60A-Z 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 per ANSI/TPI-1 Sec. 2. For more information see: This Job's Specification. LTV Building Components Group Inc., P.O. Box 897, Waco, TX 76788.
TWC Tel.: 817/871-1300 Fax: 817/871-1301 E-Mail: twc@twci.com
(C) 2000 LTV Building Components Group Inc.



TC LL	20.0 PSF	REF R487--	16854
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066044
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	64518
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UIJB487 704

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - H7A 31'8" Stepdown Hip Girder)

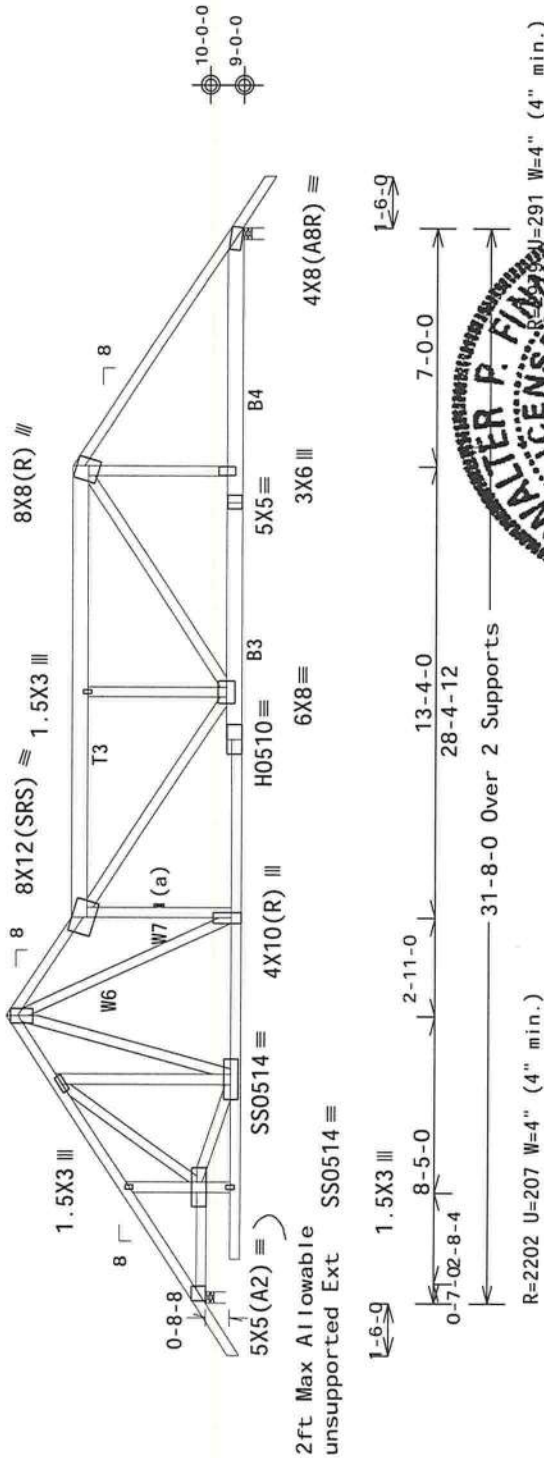
Top chord 2x4 SP #1 12A :T3 2x6 SP #2 12A :
Bot chord 2x4 SP #1 12A :B3 2x6 SP #1 Dense 12A :
:B4 2x6 SP #2 12A :
Webs 2x4 SP #3 12A :W6, W7 2x4 SP #1 12A :

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

Special loads
Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)
TC- From 57 pif at -1.50 to 57 pif at 8.42
TC- From 57 pif at 8.42 to 57 pif at 11.33
TC- From 57 pif at 11.33 to 57 pif at 18.46
TC- From 57 pif at 18.46 to 28 pif at 24.67
TC- From 57 pif at 24.67 to 57 pif at 33.17
BC- From 57 pif at -1.50 to 57 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 0.58
BC- From 20 pif at 0.58 to 20 pif at 3.27
BC- From 20 pif at 3.27 to 20 pif at 18.46
BC- From 10 pif at 18.46 to 10 pif at 24.64
BC- From 20 pif at 24.64 to 20 pif at 31.67
BC- From 57 pif at 31.67 to 57 pif at 33.17
TC- 171.85 lb Conc. Load at 20.60, 22.60
TC- 250.56 lb Conc. Load at 24.64
BC- 1502.00 lb Conc. Load at 18.46
BC- 128.35 lb Conc. Load at 20.60, 22.60
BC- 448.68 lb Conc. Load at 24.64

5X8(R) III

2.5X6 ≡



PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2010Res/TPI-2007(SI) FT/RT=10%(0%)/0(0) Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WTCA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B9 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, or any other reason. The position as shown above and on the joint shall be used for all trusses. Refer to drawing 1804-2 for details. The responsibility for the design drawing, the suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page; ITW-BCG; www.itwbcg.com; TPI: www.tpiinst.org; WTCA: www.sbcindustry.com; FCC: www.fccsafe.org

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



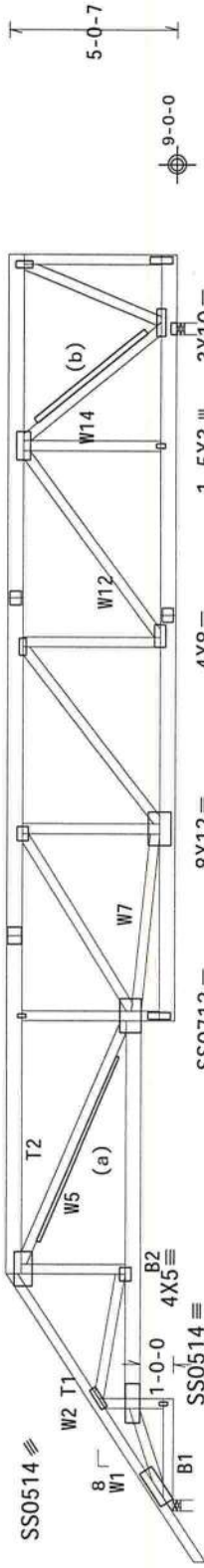
TC LL	20.0 PSF	FL/-/5/-/-/R/-	Scale = .1875"/Ft.
TC DL	7.0 PSF	REF R487--	16855
BC DL	10.0 PSF	DATE 03/07/13	
BC LL	0.0 PSF	DRW HCUSR487	13066053
TOT.LD.	37.0 PSF	HC-ENG SSB/WPF	
DUR.FAC.	1.25	SEQN- 1695	REV
SPACING	24.0"	JREF- 1UUB487_Z04	

Top chord 2x6 SP_#1_Dense_12A :T1 2x4 SP_#1_12A:
Bot chord 2x6 SP_#2_Dense_12A :B1 2x4 SP_#1_12A:
Web 2x4 SP_#3_Dense_12A:
W1, W2, W5, W7, W12, W14 2x4 SP_#1_12A:
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18
Wind loads and reactions based on MMFRS.
Right cantilever is exposed to wind
Calculated horizontal deflection is 0.16" due to live load and 0.21" due to dead load.

(b) 2x6 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.

Special loads
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 57 pif at -1.50 to 57 pif at 7.00
BC- From 28 pif at 7.00 to 28 pif at 37.17
BC- From 5 pif at -1.50 to 5 pif at 0.00
BC- From 20 pif at 0.00 to 20 pif at 3.33
BC- From 10 pif at 3.33 to 10 pif at 7.04
BC- From 10 pif at 7.04 to 10 pif at 14.50
TC- 155.25 lb Conc. Load at 7.04
TC- 100.90 lb Conc. Load at 9.06, 11.06, 13.06
TC- 171.85 lb Conc. Load at 15.06, 17.06, 19.06, 21.06
23.06, 25.06, 27.06, 29.06, 31.06, 33.06, 35.06, 37.06
BC- 451.06 lb Conc. Load at 7.04
BC- 155.26 lb Conc. Load at 9.06, 11.06, 13.06
BC- 128.35 lb Conc. Load at 15.06, 17.06, 19.06, 21.06
23.06, 25.06, 27.06, 29.06, 31.06, 33.06, 35.06, 37.06
Right end vertical not exposed to wind pressure.
(a) 1x4 #3SR8 SPF-S or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-6-0
7-0-0
3-4-0
11-2-0
30-2-0
37-2-0 Over 2 Supports
R=2965 U=352 W=4
12-0-0
R=3803 U=448 W=4

PLT TYP. 18 Gauge HS.Wave

Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	FL/-/5/-/-/R/-	REF R487-- 16856
TC DL	7.0 PSF <td></td> <td>DATE 03/07/13</td>		DATE 03/07/13
BC DL	10.0 PSF <td></td> <td>DRW HCUSR487 13066049</td>		DRW HCUSR487 13066049
BC LL	0.0 PSF <td></td> <td>HC-ENG SSB/WPF</td>		HC-ENG SSB/WPF
TOT.LD.	37.0 PSF <td></td> <td>SEQN- 57376</td>		SEQN- 57376
DUR.FAC.	1.25 <td></td> <td></td>		
SPACING	24.0"		JREF- 1UUB487_Z04

WALTER P. FINN
LICENSE
No. 22839
10.03.11 0209.19
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/07/2013

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

General notes page: ITW-BCC: www.itwbc.com, TPI: www.tpinet.org, WTCA: www.slicindustry.com

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

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

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

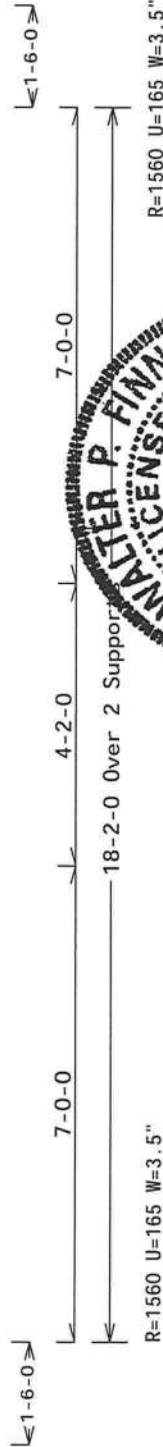
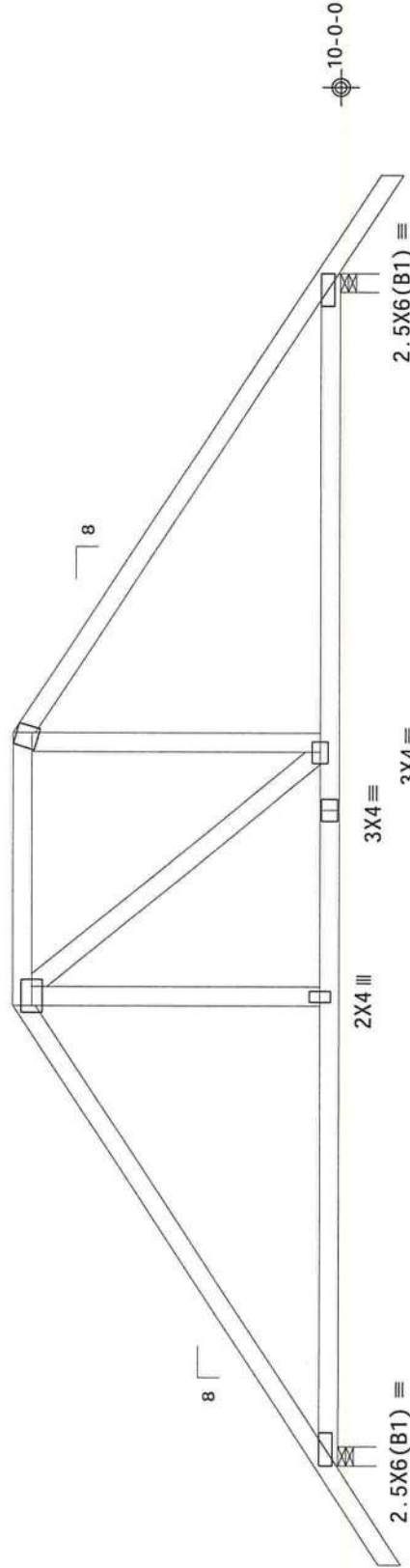
Special loads

TC- From	Dur. Fac.=1.25 / Plate Dur. Fac.=1.25
TC- From	57 plf at -1.50 to 57 plf at 7.00
TC- From	28 plf at 7.00 to 28 plf at 11.17
TC- From	57 plf at 11.17 to 57 plf at 19.67
BC- From	5 plf at -1.50 to 5 plf at 0.00
BC- From	20 plf at 0.00 to 20 plf at 7.03
BC- From	10 plf at 7.03 to 10 plf at 11.14
BC- From	20 plf at 11.14 to 20 plf at 18.17
BC- From	5 plf at 18.17 to 5 plf at 19.67
TC- 250.56 lb Conc.	Load at 7.03, 11.14
TC- 171.85 lb Conc.	Load at 9.08
BC- 448.68 lb Conc.	Load at 7.03, 11.14
BC- 128.35 lb Conc.	Load at 9.08

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

4X4

4X6



R=1560 U=165 W=3.5"

R=1560 U=165 W=3.5"

PLT TYP. Wave

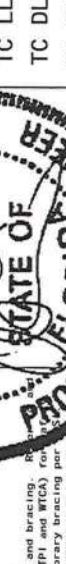
Design Crit: FBC2010Res/TPI-2007(STB)
FT/RT=10%(0%)/0(0)

No. 22839

10-03-11

FL/-/5/-/-/R/-

Scale = .375"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET **IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for 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 collar. Locations shown for permanent lateral restraint of top chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or use of the truss. Refer to drawings 160A-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 per ANSI/TPI 1 Sec. 2. For more information see: General notes page; ITW-BCSI: www.itw-bcsi.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org 03/07/2013			TC LL	20.0	PSF	REF	R487--	16857
		TC DL	7.0	PSF	DATE	03/07/13			
		BC DL	10.0	PSF	DRW	HCU8R487	1306045		
		BC LL	0.0	PSF	HC-ENG	SSB/WPF			
		TOT.LD.	37.0	PSF	SEQN-	56861			
		DUR.FAC.	1.25						
SPACING	24.0"		JREF-	1UUB487_Z04					

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - H9A 31'8" Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge. RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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

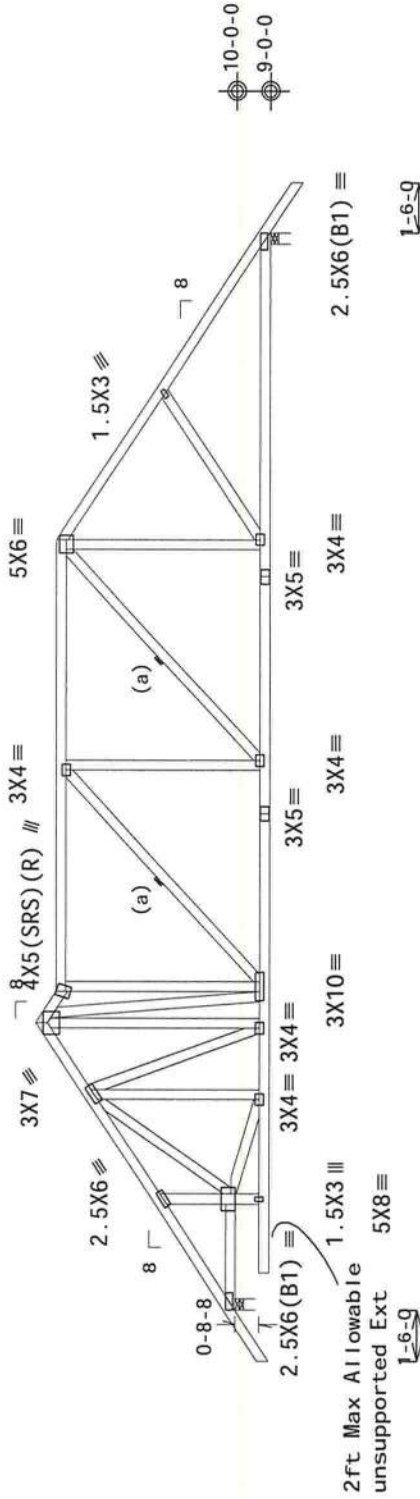
(a) Continuous lateral bracing equally spaced on member.

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

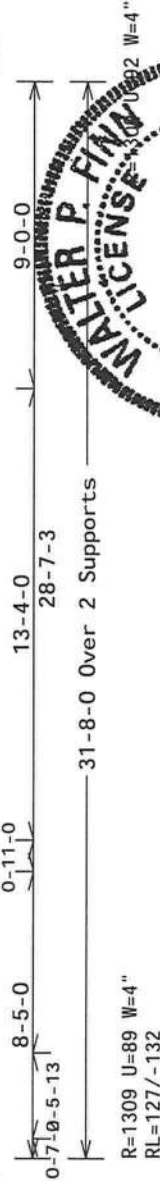
Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

6X8 =



2ft Max Allowable unsupported Ext 5X8 =

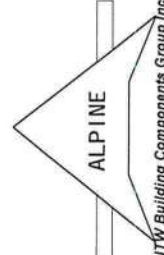


PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007 (STE)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 --	16859
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUR487	13066047
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT.LD.	37.0 PSF	SEQN-	57480	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	



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

WALTER P. FINN
LICENSED PROFESSIONAL ENGINEER
No. 22839
STATE OF FLORIDA
03/07/2013

****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. Be sure to follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) 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 of truss 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 accordance with ANSI/TPI 1, or for handling, shipping, installation & bracing. The user of this design shall be responsible for any deviation from this design. 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 per ANSI/TPI 1 Sec. 2. For more information see: This Job's general notes page; ITW-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; WTCA: www.sbcindustry.com; USC: www.uscode.org

120 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

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

Right cantilever is exposed to wind

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

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

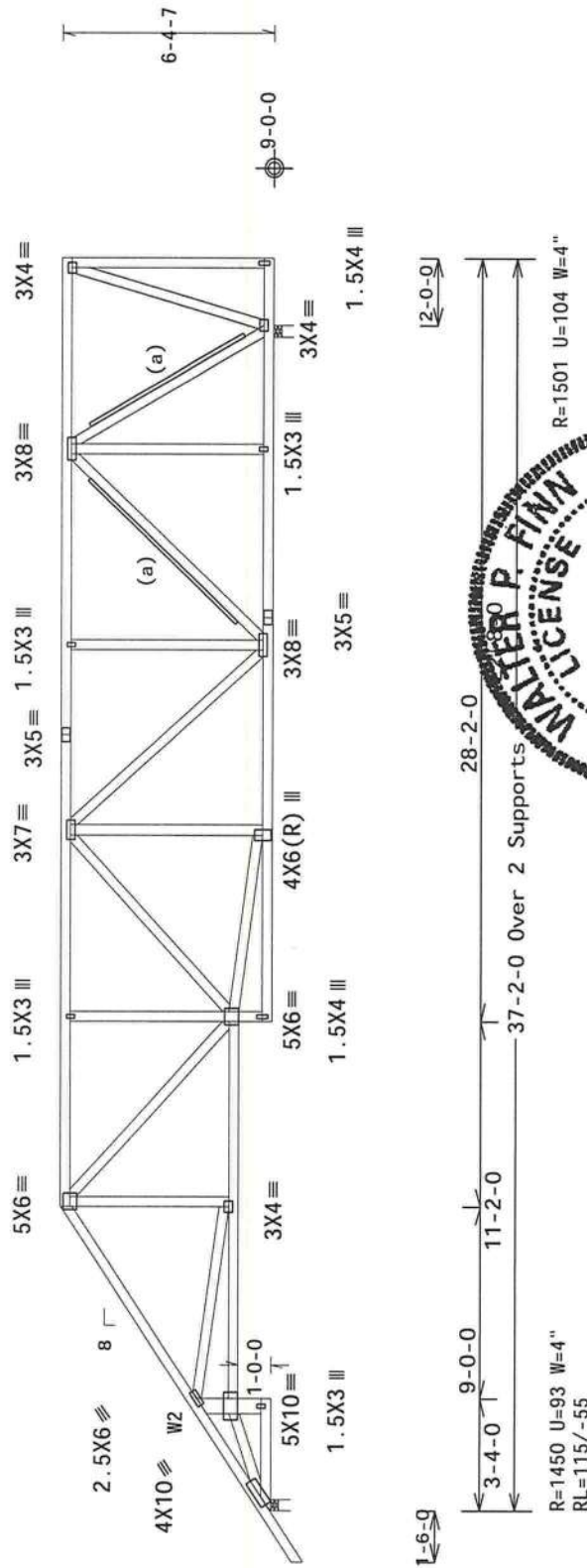
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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. Creep increase factor for dead load is 1.50.

Design Crit: $\text{FBC2010Res/TP1-2007(ST)}_{\text{ET/RT}} = 10\%(0\%)/0(0)$

PLT TYP: Wave

FI / - / 5 / - / - / R / - /
Scale = 1875" / Ft

REF	R487--	16860
DATE	03/07/13	
DRW	HCUSR487	13066048
HC-ENG	SSB/W/PF	
SEQN-	64541	
OUR.FAC.	1.25	
SPACING	24.0"	

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

03/07/2013

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

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Components Safety Information, by TPI and WCA) for all details. Trussing shall be done in accordance with the design shown on this 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 restraints shall have bracing installed per BCSI sections 83, B7 or B10, as applicable.

LTH Building Components Group Inc. (LTWBCC) shall not be responsible for any deviation from the design shown on this drawing due to 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. Refer to framing DETOA-2 for standard plate positions. A 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 other application than intended is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: www.ltwbccc.com, LTWBCC New York, NY 10019, Tel: 212-693-1000, Fax: 212-693-1001, Email: sales@ltwbccc.com.

ALPINE

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

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

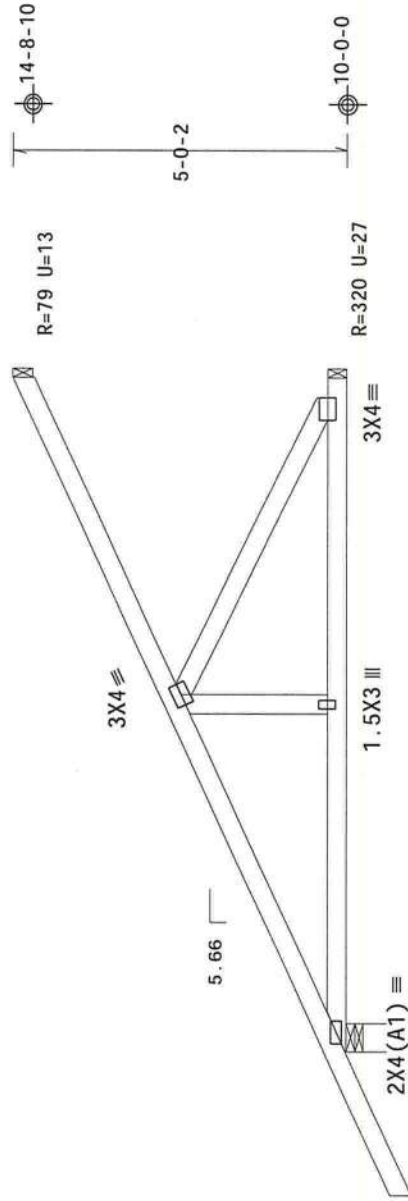
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

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



$\overleftarrow{2-1-7}$
 $\overleftarrow{9-10-13}$ Over 3 Supports
 $R=326 \quad I=113 \quad W=4.95"$

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(SFD)
 $FT/RT=10\%(0\%)/0(0)$

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) and the manufacturer's instructions. Trusses shall be braced in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have proper lateral bracing. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (TWB002) shall not be responsible for any deviation from this design or specification. ITW Building Components Group Inc. shall make pricing acceptable per BCSI sections 7.1, 7.2 or BID, as applicable.

We warrant that we have no knowledge of any failure to build the truss in conformance with AISC/TPI 1, or for handling, shipping, installation or erection of the truss. We warrant that we will provide the following details:

Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing the indicating 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 TPI 1 Sec. 2. For more information see: TWB-860; www.twibuild.com; TWB-900; www.twibuild.com; TWB-950; www.twibuild.com; TWB-960; www.twibuild.com; TWB-970; www.twibuild.com; TWB-980; www.twibuild.com; TWB-990; www.twibuild.com.

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844
FL CQA #0278

↑	FL/-/5/-/-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487 -- 16862
TC DL	7.0 PSF	DATE 03/07/13
BC DL	10.0 PSF	DRW HCUR487 13066016
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	37.0 PSF	SEQN- 56853
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UUB487_Z04

Top chord 2x4 SP #1 12A
Bot chord 2x4 SP #1 12A
Webs 2x4 SP #1 12A :W2 2x4 SP #3 12A:

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

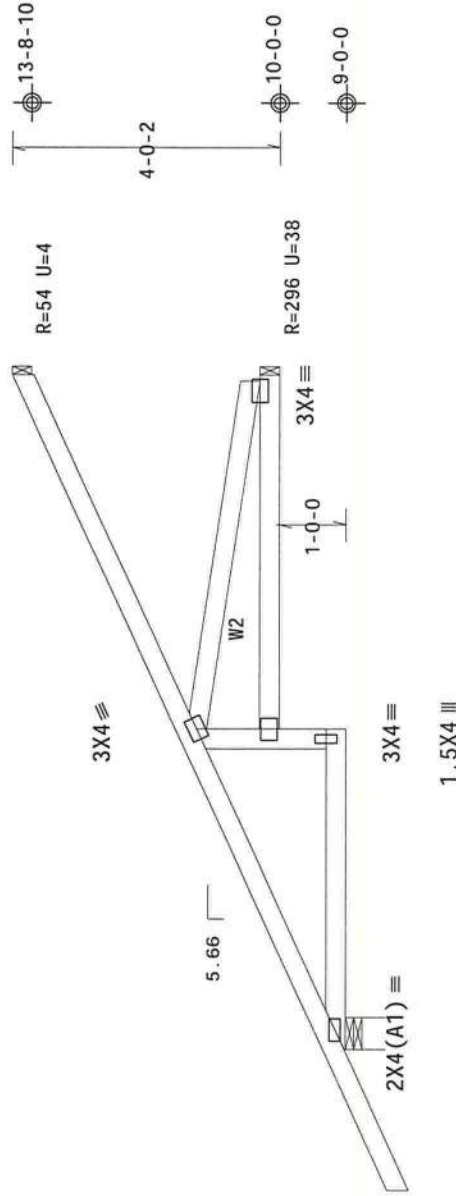
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS.

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

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



↳ 2-0-11 ↗

4-8-9 5-2-4
9-10-13 Over 3 Supports

Design Crit: FBC2010Res/TPI-2007(STP)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-/5/-/-/R/-
Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487--	16864
TC DL	7.0	PSF	DATE	03/07/13	
BC DL	10.0	PSF	DRW	HCUSR487	13066018
BC LL	0.0	PSF	HC-ENG	SSB/WP/F	
TOT.LD.	37.0	PSF	SEQN-	57320	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UUB487_Z04	

.. 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 literature or BEST Building Component Safety Information, by TPI and WICA for more information on truss erection and bracing:

- **Procedures for erecting trusses**, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached roof ceiling.
- **Locations shown for permanent lateral restraint of truss** shall have installed per BCIS sections B3, B7 or B10, as applicable.

LTV Building Components Group Inc. (LTVBCG) shall not be responsible for any deviation from this document. LTVBCG shall not be responsible for any deviation from this document. If you find any error or omission in this drawing, please notify the architect immediately. The architect shall be responsible for any error or omission in this drawing. The manufacturer shall be responsible for any error or omission in this drawing. The installer shall be responsible for any error or omission in this drawing. The user shall be responsible for any error or omission in this drawing.

General notes:
1. All dimensions are in inches unless otherwise noted.
2. All materials shall meet or exceed the requirements of the applicable building codes.
3. All fasteners shall be stainless steel unless otherwise noted.
4. All surfaces shall be finished as shown on the drawings.
5. All components shall be installed as shown on the drawings.
6. All components shall be maintained in good condition at all times.
7. All components shall be replaced if damaged or worn.
8. All components shall be inspected regularly.
9. All components shall be labeled as shown on the drawings.
10. All components shall be stored properly.

Contact information:
LTVBCG: 1-800-XXX-XXXX
Website: www.ltvbcg.com
Email: info@ltvbcg.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

03/07/2013

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - M1 4'4" Mono)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

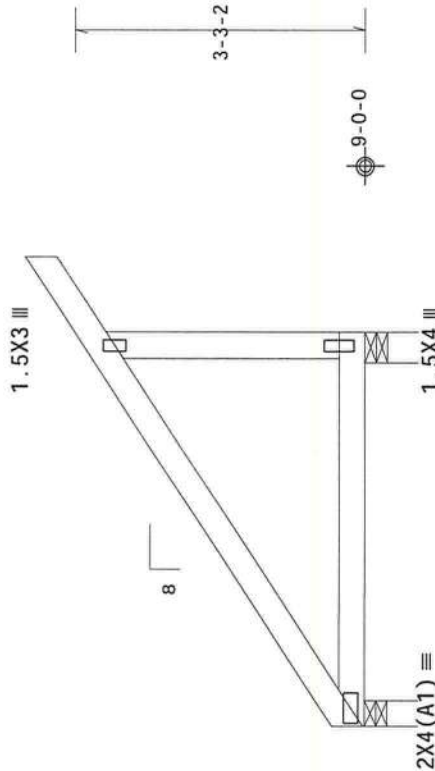
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

Right end vertical not exposed to wind pressure.

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



10-10-0

4-4-0 Over 2 Supports

R=168 U=0 W=3.5"

RL=37 R=213 U=18 W=4"

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5" / Ft.

REF R487-- 16866

DATE 03/07/13

DRW HCUSR487 13066020

HC-ENG SSB/WPF

SEQN- 64045

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UUB487_Z04



03/07/2013



ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - MG 4'4" Mono Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

Wind loads and reactions based on MWFRS.

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

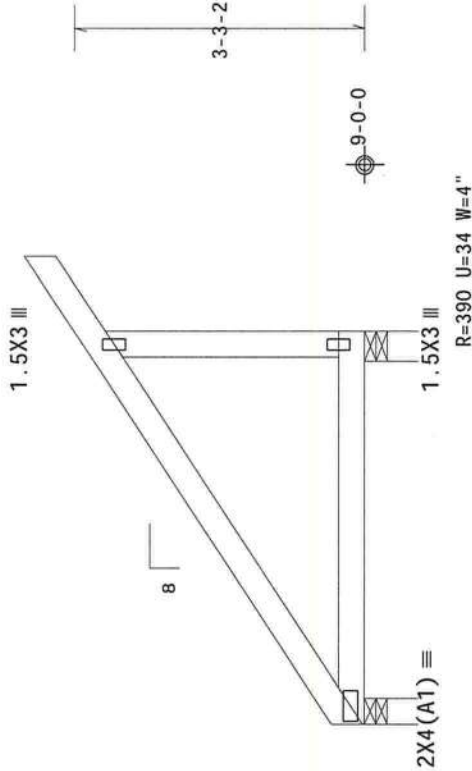
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads

Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 57 plf at 0.00 to 57 plf at 5.17
BC- From 20 plf at 0.00 to 20 plf at 4.33
BC- 387.88 lb Conc. Load at 2.06

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.



Design Crit: FBC2010Res/TPI-2007(SD)

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

PLT TYP. Wave

Scale = .5" / Ft.

REF R487-- 16867

DATE 03/07/13

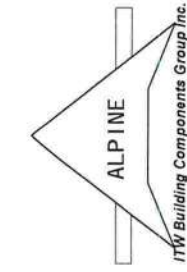
DRW HCUSR487 13066050

HC-ENG SSB/WPF

SEQN- 64044

DUR.FAC. 1.25

JREF- 1UUB487_Z04



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.
Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WDA) recommendations for bracing and installation.
Trusses shall be installed in accordance with the manufacturer's instructions.
Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design.
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 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 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 user. ITWBCG does not warrant the design for any specific application. This job's general notes page. ITWBCG: www.itwbcg.com TPI: www.tpiinc.org WDA: www.alpineindustry.com
ICC: www.iccsafe.org

1120 mph wind, 16.84 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

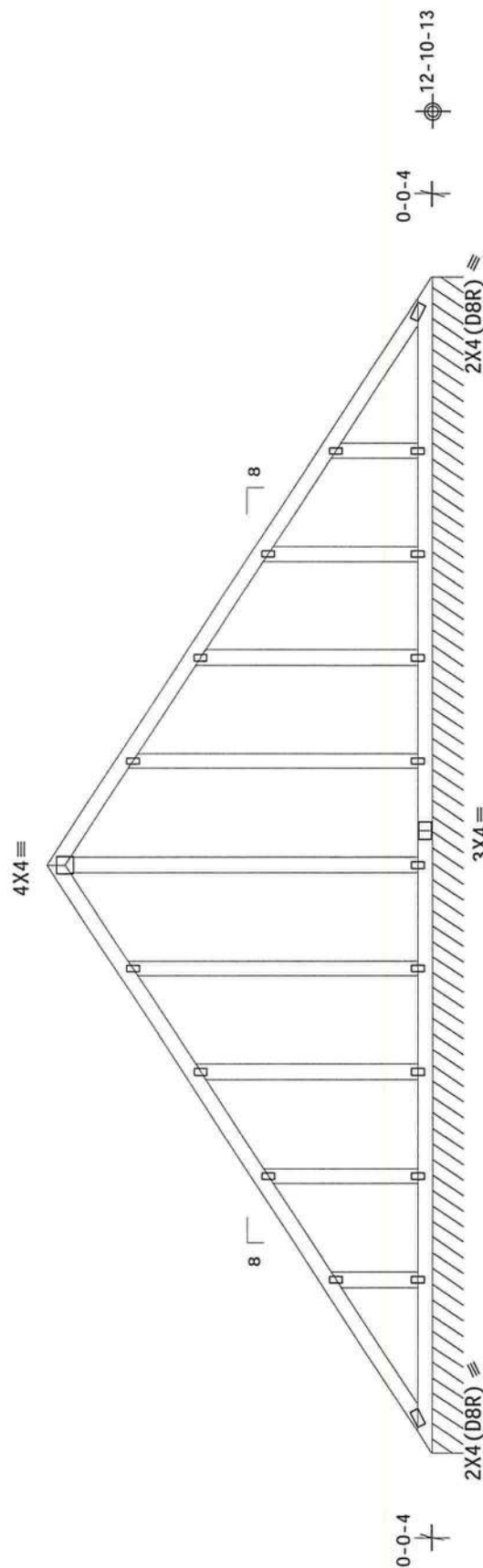
In lieu of structural panels use purlins to brace TC @ 24" OC.

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

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

See DWGS A12030ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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



R=77 PLF U=5 PLF W=22-8-4
PI=5/-5 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STE
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FI/-/5/-/-/R/-/
Scale = 3125"/Ft.

TC LL	20.0	PSF	REF R487-- 16868
TC DL	7.0	PSF	DATE 03/07/13
BC DL	10.0	PSF	DRW HCURS487 13066021
BC LL	0.0	PSF	HC-ENG SSB/WPF
TOT.LD.	37.0	PSF	SEQN- 57382
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UUB487_Z04



03/07/2013

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

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 BCS1 (Building Component Safety Information, by TPI and WCA) for all applicable practices prior to performing these functions. Installers shall provide temporary bracing for all trusses unless otherwise noted. Trusses shall have properly attached structural sheathing and bottom chord bracing. Trusses shall be braced in accordance with the lateral bracing, sheathing and bottom chord bracing installed per BCS1 sections B3, B3-2 or B10, as applicable.

ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design or specification due to manufacturing tolerances, material conformity, or field handling, shipping, storage, installation, or use. All dimensions are given as face of members unless otherwise specified. The Joint shall be located at the center of each member. All fasteners shall be placed in accordance with the Joint. Sealant shall be applied to all joints. Refer to drawings LK06-2 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 per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG www.itwbcg.com TPI: www.tpi.net WIDA: www.sbc-industry.com

ALPINE

TW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - V2 18'8"4 Valley)

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A

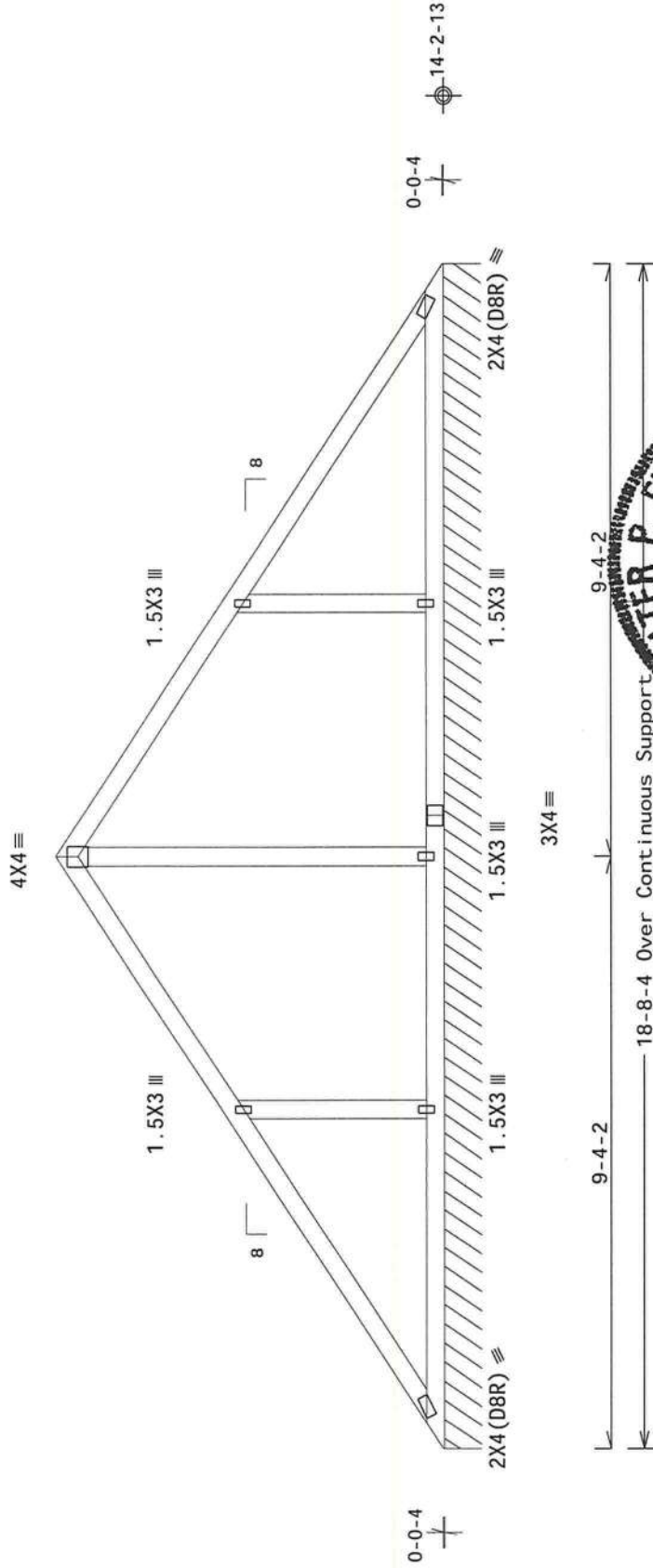
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

See DWG VAL160100212 for valley details.

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

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



R=77 PLF U=6 PLF W=18-8-4
RL=5/-5 PLF

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

No. 22839

10.03.11

01/19

FL/-5/-/-R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487--	16869
TC DL	7.0 PSF	DATE	03/07/13	
BC DL	10.0 PSF	DRW	HCUSR487	13066022
BC LL	0.0 PSF	HC-ENG	SSB/WPF	
TOT. LD.	37.0 PSF	SEQN-	57392	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UUB487_Z04	

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and BTCA) practices prior to performing these functions. Installers shall provide temporary bracing and bracing details as shown on this drawing. Trusses shall be installed in accordance with the details shown on this drawing. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on 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. ITW-BCG: www.itwbcg.com, TPI: www.tpi.org, BTCA: www.btcaindustry.com, ICC: www.iccsafe.org

ALPINE

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



Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

120 mph wind, 18.17 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

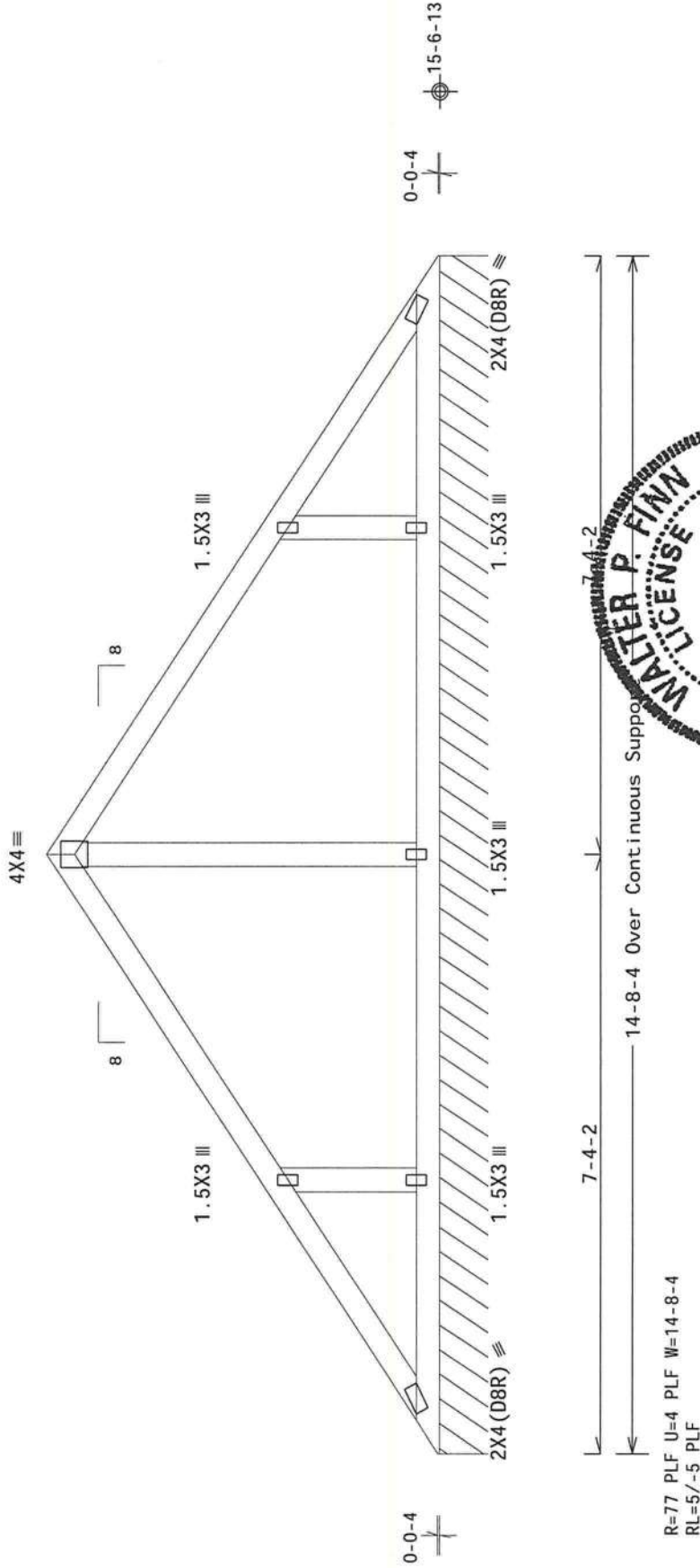
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

See DWG VAL160100212 for valley details.

MWFRS loads based on trusses located at least 9.08 ft. from roof edge.



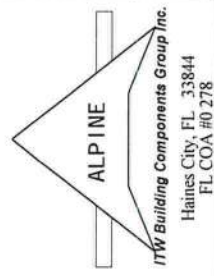
R=77 PLF U=4 PLF W=14-8-4
RL=5/-5 PLF

Design Crit: FBC2010Res/TPI-2007 (ST) FT/RT=10%(0%)/0(0)

PLT TYP. Wave

WARNING: READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for 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 bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. Any revision to this design shall be made in writing and shall be approved by the Designer. Details, unless noted otherwise. Refer to drawings 160A-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 per ANSI/TPI 1 Sec.2. For more information see: This job's drawing or cover page listing this drawing. TPI: www.tpiinc.com, WTCA: www.structuraltruss.com, ICC: www.iccsafe.org



FL/-5/-/-R/-		Scale = .5"/Ft.	
TC LL	20.0 PSF	REF	R487-- 16870
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066023
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	57390
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z04

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - V4 10'8"4 Valley)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

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

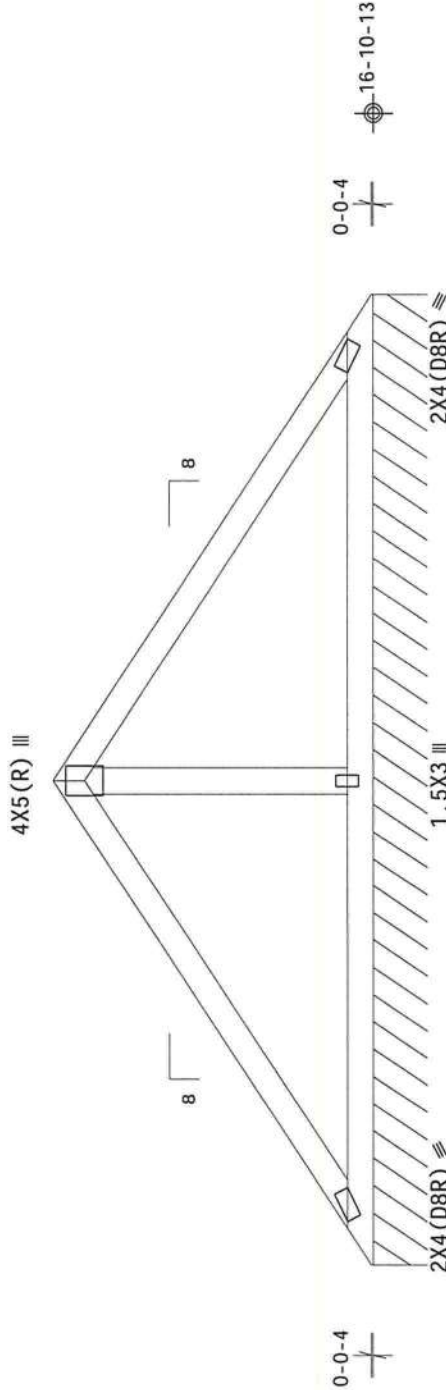
Bottom chord checked for 10.00 psf non-concurrent live load.

See DWG VAL160100212 for valley details.

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

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

MWFRS loads based on trusses located at least 9.42 ft. from roof edge.



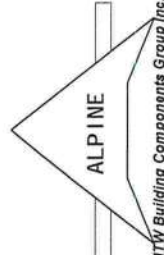
5-4-2 10-8-4 Over Continuous Support

R=77 PLF U=4 PLF W=10-8-4
RL=5/-5 PLF

Design Crit: FBC2010Res/TPI-2007(ST) FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

 ALPINE Building Components Group Inc. Haines City, FL 33844 FL COA #0278	No. 22839 03/11/2009 STATE OF FLORIDA PROFESSIONAL ENGINEER WALTER P. FINN LICENSE		FL/-/5/-/-/R/-	Scale = .5"/Ft.
	TC LL	20.0 PSF	REF	R487-- 16871
	TC DL	7.0 PSF	DATE	03/07/13
	BC DL	10.0 PSF	DRW	HCU8487 13066024
	BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT. LD.		37.0 PSF	SEQN-	57395
DUR. FAC.		1.25		
SPACING		24.0"	JREF-	1UUB487_Z04

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - V5 6'8"4 Valley)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A

120 mph wind, 19.50 ft mean hgt, ASCE 7-10, CLOSED bldg, Located
anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC
DL=5.0 psf. GCPI(+/-)=0.18

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

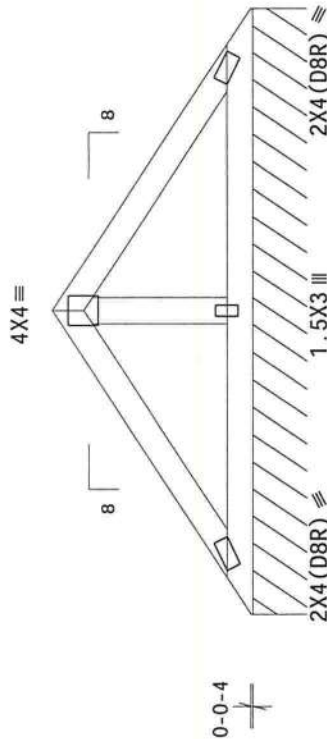
Wind loads and reactions based on MWFRS with additional C&C member
design.

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

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

See DWG VAL160100212 for valley details.

MWFRS loads based on trusses located at least 9.75 ft. from roof edge.



3'-4"-2
6'-8"-4 Over Continuous Support
R=76 PLF U=3 PLF W=6-8-4
RL=5/-5 PLF

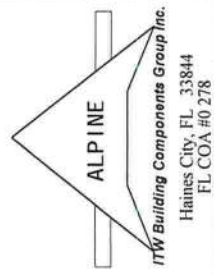
Design Crit: FBC2010Res/TPI-2007(S19)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTGA) for 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 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, 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 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 installing designer. ITW-BCG: www.itwbcg.com, TPI: www.tpinet.org, WTGA: www.abindustry.com, ICC: www.iccsafe.org



Scale = .5" / Ft.
FL / - / 5 / - / - / R / -
TC LL 20.0 PSF REF R487 -- 16872
TC DL 7.0 PSF DATE 03/07/13
BC DL 10.0 PSF DRW HCUSR487 13066025
BC LL 0.0 PSF HC-ENG SSB/WPF
TOT.LD. 37.0 PSF SEQN- 57394
DUR.FAC. 1.25
SPACING 24.0" JREF- 1UUB487_Z04

(13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL - V6 2'8"4 Valley)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

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

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

See DWG VAL160100212 for valley details.

MWFRS loads based on trusses located at least 10.08 ft. from roof edge.

120 mph wind, 20.17 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. 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. Creep increase factor for dead load is 1.50.

3X4 =



2X4 (D8R)

2X4 (D8R)

1-4-2 1-4-2

2-8-4 Over Continuous Support

R=76 PLF U=0 PLF W=2-8-4

PLT TYP. Wave

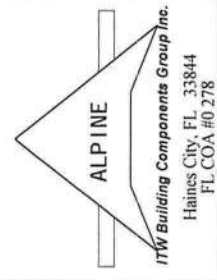
Design Crit: FBC2010Res/TPI-2007(SD)
FT/RT=10%(0%)/0(0)

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

TC LL	20.0 PSF	REF	R487-- 16873
TC DL	7.0 PSF	DATE	03/07/13
BC DL	10.0 PSF	DRW	HCUSR487 13066026
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	57393
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z04



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing per drawings or otherwise, top chord shall have property 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 or for any damage to the building or its contents. The user of this design shall be responsible for the building's safety. Refer to drawings 160A-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 per ANSI/TPI 1 Sec.2. For more information see: This job's General Notes page, ITW-BG: www.itwbg.com, TPI: www.tpiinst.org, WTCA: www.subindustry.com, ICC: www.iccsafe.org



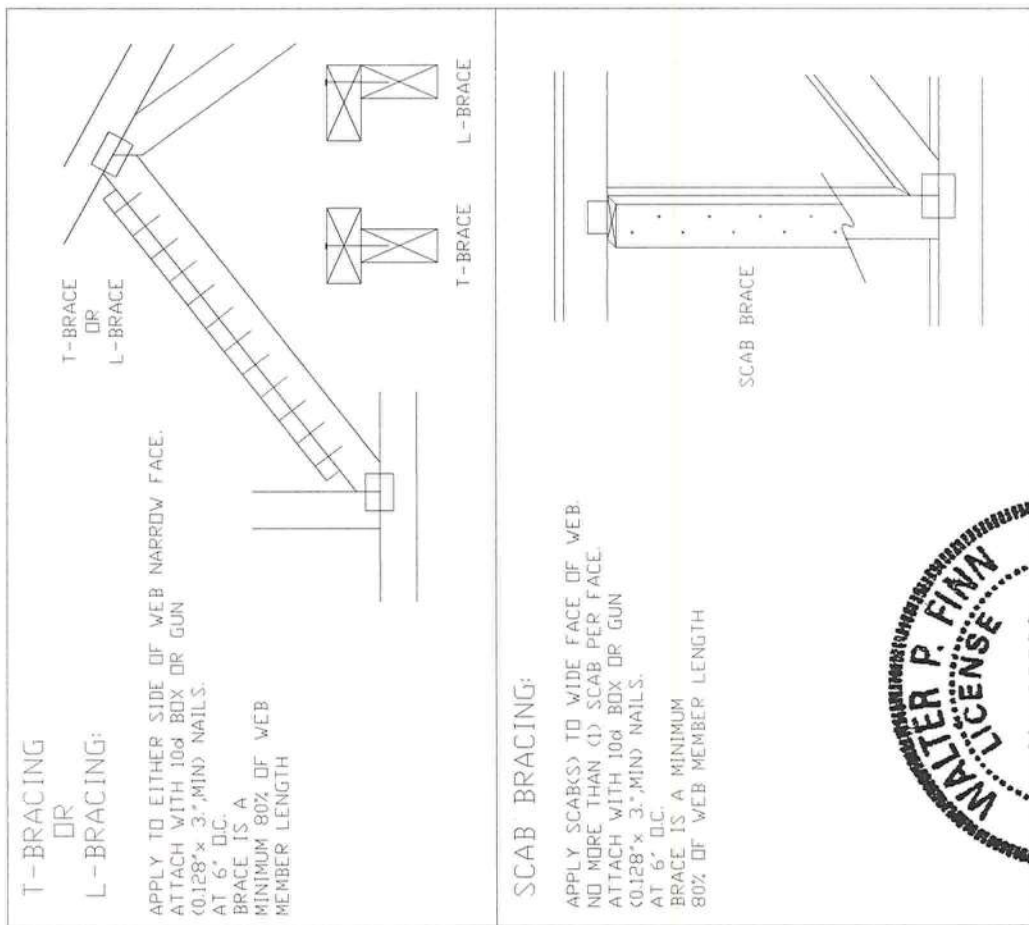
THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

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

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

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

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

[illegible]

Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

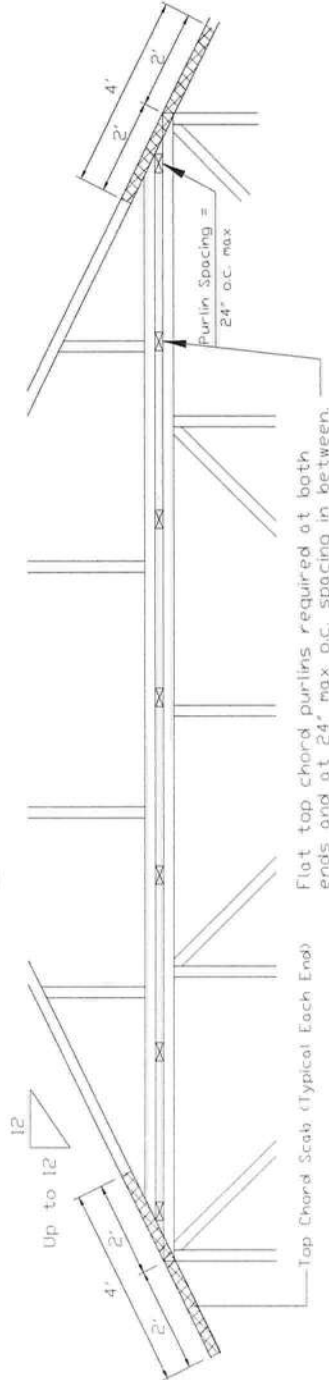
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 50.0 psf (min), Kzt=1.0, or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 50 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less



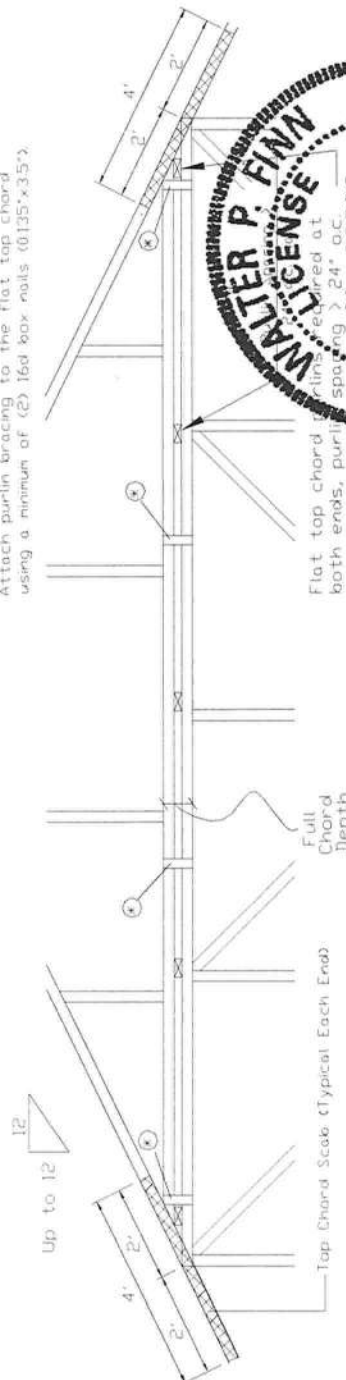
Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



Note: If purlins or sheathing are not specified on the flat top of the truss, purlins must be installed at 24" o.c. max. and use Detail A.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 WCAH for detailed instructions. Trusses shall be installed in accordance with the instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance of webs shall have bracing installed per BCSI sections 83, 87 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160H-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility. The seal of the Engineer of Record is required for this drawing. For more information see this job's general notes page and these web sites: ITWBCG, www.itwbcg.com, TPI, www.tpiinc.org, WCAH, www.secdistributors.org, ICC, www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

* In addition, provide connection with one of the following methods:

Trulox
Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs
2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

28PB Wave Piggyback Plate
One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

REF PIGGYBACK

DATE 2/14/12

DRWG PB160100212

SPACING 24.0"

03/07/2013

Mar 07 '13

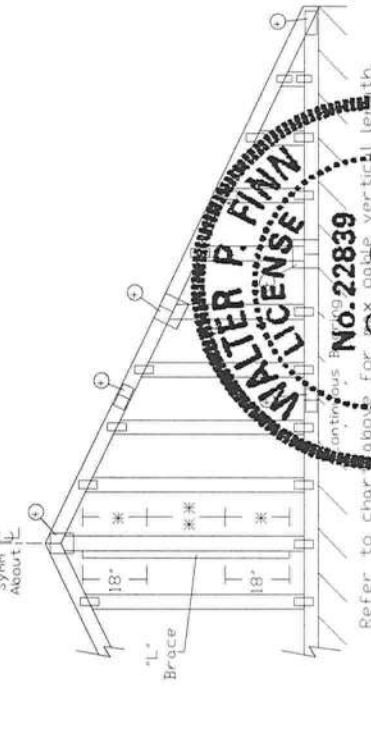
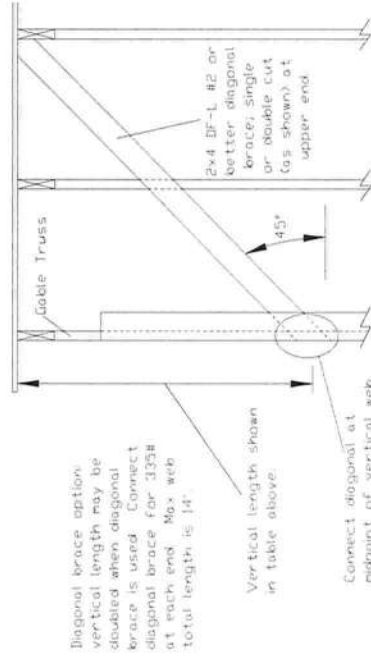


Gable Stud Reinforcement Detail

ASCE 7-10: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

Gable Vertical Species	Brace	No Braces	(1) 1x4 "L" Brace				(2) 2x4 "L" Brace				(1) 2x6 "L" Brace				(2) 2x6 "L" Brace			
			Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
SPF	H1 / H2	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Stud	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
SP	H1	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H2	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
DFL	H1	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H2	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
SPF	H1 / H2	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Stud	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
HF	H1	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H2	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
SP	H1	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H2	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
DFL	H1	4" 10"	8" 2"	8" 6"	9" 8"	10" 1"	11" 6"	11" 1"	12" 0"	12" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H2	4" 7"	7" 9"	8" 3"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	H3	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"
	Standard	4" 7"	8" 1"	8" 4"	9" 7"	9" 11"	11" 5"	11" 5"	11" 10"	11" 10"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"	14" 0"



Bracing Group Species and Grades:

Group A:

Species	Grade
SPF	H1 / H2
HF	Stud
SP	Standard

Group B:

Species	Grade
SPF	H1 / H2
HF	Stud
SP	Standard

Bracing Group Species and Grades:

Group A:

Species	Grade
SPF	H1 / H2
HF	Stud
SP	Standard

Group B:

Species	Grade
SPF	H1 / H2
HF	Stud
SP	Standard

1x4 Braces shall be SRB (Stress-Rated Boards) or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

1x4 Braces shall be SRB (Stress-Rated Boards) or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 35 psf over continuous bearing (5 psf IC Dead Load).

Gable end supports load from 4' 0" outleak with 2' 0" overhang, or 12' plywood overhang.

So Pine lumber design values based on the ALSC January, 2012 rule.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.

For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.

For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.

'L' bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1x4 or 2x3
Greater than 4' 0", but less than 11' 6"	2x4
Greater than 11' 6"	2x4

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

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

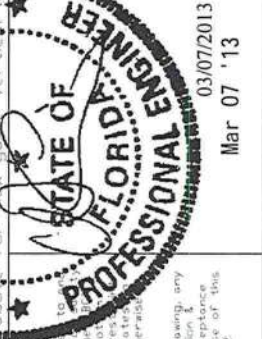
REF ASCE 7-10-GAB2015

DATE 2/14/12

DRWG A12015ENC100212

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"



Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IP1 and VICA) for details on truss installation and bracing. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings for Standard Plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/AP1 1, or for handling, shipping, installation, or bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of the professional engineering design. The seal of the professional engineer shall be placed on the drawing. For more information see this job's general notes page and those web sites: ITWBCG, www.itwbcg.com, IP1, www.ipone.com, VICA, www.vicainc.com, ICC, www.iccsafe.org

Building Components Group Inc.

Earth City, MO 63045

03/07/2013

Mar 07 '13

ASCE 7-10: 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Part. Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

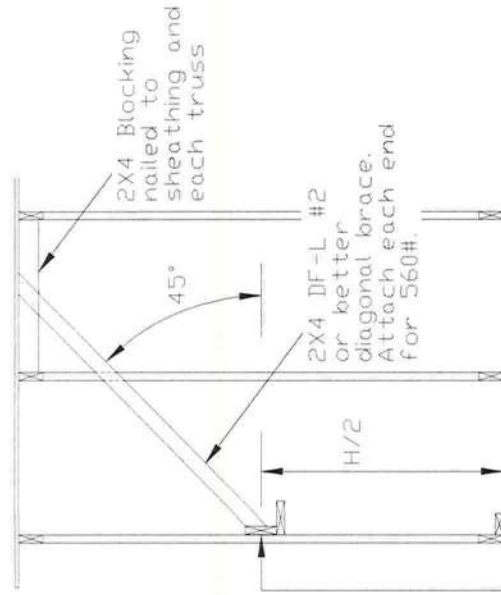
Lateral chord bracing requirements
Top: Continuous roof sheathing
Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail
for lumber, plates, and other information not shown
on this detail.

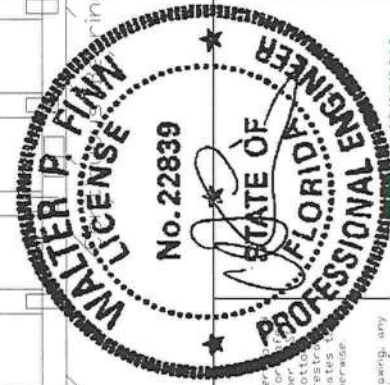
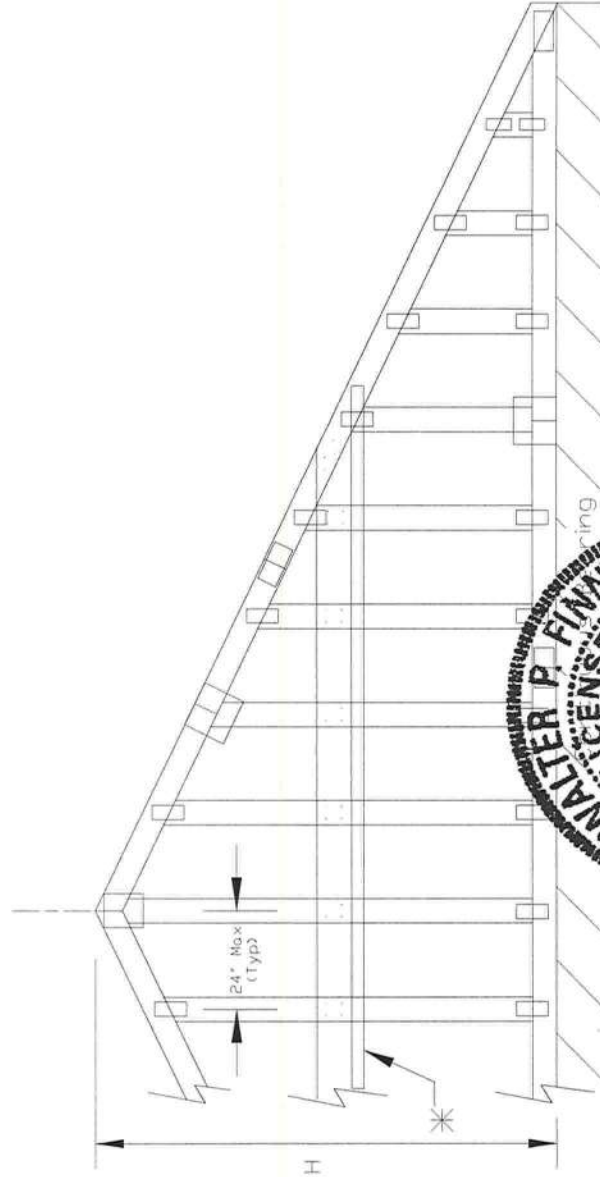
Nails: 10d box or gun (0.128"x3", min) nails.

H Less than 4'6" - no stud bracing required
H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace
to roof diaphragm every 6'0" (see detail below or
refer to DRWG A12030ENC10).
H Greater than 7'6" to 12'0" max:
provide a 2x6 stiffback at mid-height and brace
to roof diaphragm every 4'0" (see detail below or
refer to DRWG A12030ENC10).

* Optional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0.128" x 3", min.) nails @ 6" o.c.



2x6 #2 Stiffback
attached to each
Stud w/ (4) 10d box or gun (0.123" x 3", min.) nails.



03/07/2013
Mar 07 '13

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 WCAI) for practices prior to performing these functions. Installers shall provide temporary bracing per the BCSI/WCAI requirements. Trusses shall be braced in accordance with the BCSI/WCAI requirements. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. 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.
TPI Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to load the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. 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 the information herein is the responsibility of the user. For more information see this job's General Notes page and these job sites:
TPI/BCG: www.tpiinc.com, TPI: www.tpinstruction.com, WCAI: www.wcaindustry.org, ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

REF	GE WHALER
DATE	2/14/12
DRWG	GABRST100212
MAX. TOT. LD. 60 PSF	
MAX. SPACING	

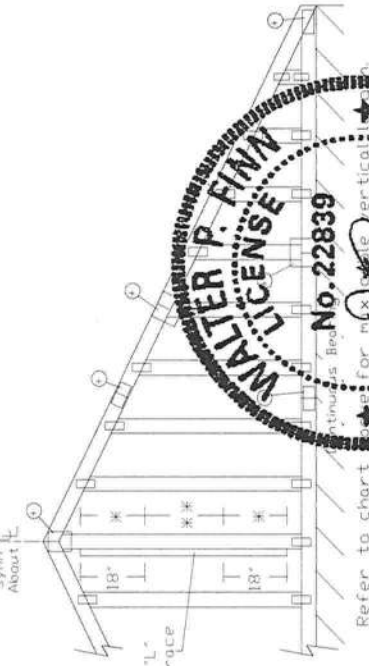
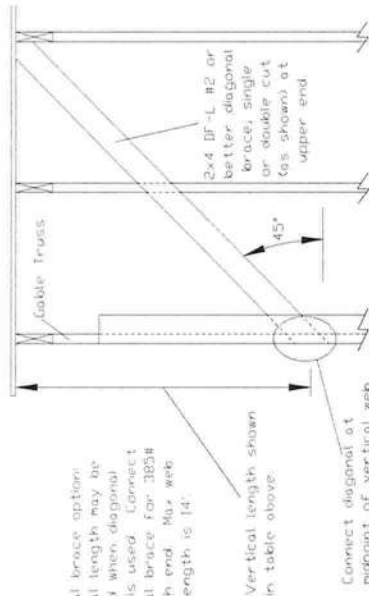
Gable Stud Reinforcement Detail

ASCE 7-10: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure B, Kzt = 1.00

Max Gable Vertical Length	Gable Vertical Spacing		Brace Grade	No Braces	(1) 1x4 "L" Brace *						(2) 2x4 "L" Brace *						(1) 2x6 "L" Brace *						(2) 2x6 "L" Brace *					
	Species	#1 / #2			Group A		Group B		Group A		Group B		Group A		Group B		Group A		Group B		Group A		Group B					
12" o.c.	SPF	#1 / #2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	Stud	4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Standard	4' 4"	7' 6"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#1	4' 8"	7' 10"	8' 2"	9' 3"	9' 8"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
24" o.c.	SP	#2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	DFL	#3	4' 4"	6' 5"	6' 10"	8' 7"	9' 2"	10' 10"	11' 4"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Stud	4' 4"	6' 5"	6' 10"	8' 7"	9' 2"	10' 10"	11' 4"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Standard	4' 3"	5' 7"	5' 11"	7' 5"	7' 11"	10' 0"	10' 9"	11' 8"	12' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
16" o.c.	SPF	#1 / #2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#3	5' 0"	8' 10"	9' 3"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Stud	5' 0"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Standard	5' 0"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" o.c.	SP	#1	5' 4"	9' 0"	9' 4"	10' 7"	11' 0"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#3	5' 0"	7' 10"	8' 4"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	DFL	Stud	5' 0"	7' 10"	8' 4"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" o.c.	SPF	#1 / #2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#3	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Stud	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Standard	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" o.c.	SP	#1	5' 11"	9' 11"	10' 3"	11' 8"	12' 2"	13' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#3	5' 6"	9' 1"	9' 8"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	DFL	Stud	5' 6"	9' 1"	9' 8"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" o.c.		Standard	5' 6"	9' 1"	9' 8"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#1	5' 6"	9' 1"	9' 8"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#2	5' 6"	9' 1"	9' 8"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		Standard	5' 6"	9' 1"	9' 8"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 VITAC for practices prior to performing these functions. Installers shall provide temporary bracing per BCSI Building Component Safety Information, by IPI and VITAC for practices prior to performing these functions. Trusses shall have a proper bracing system installed prior to erection. Trusses shall have a proper bracing system installed prior to erection. Trusses shall have a proper bracing system installed prior to erection.

11W Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with AISI/TPI 1, or for handling, shipping, installation & bracing of trusses. 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 framing for any structure is the responsibility of the Building Designer. For more information, contact: 11WBCG www.11wbcg.com, IPI www.ipi.org, VITAC www.vitac.org, ICC www.iccsafe.org

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/07/2013
Mar 07 '13

REF ASCE7-10-GAB12030
DATE 2/14/12
DRWG A12030ENC100212

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

Bracing Group Species and Grades:			
Group A:		Group B:	
Species	Grade	Species	Grade
SPF	#1 / #2	SPF	#1 / #2
HF	Stud	HF	Stud
SP	Standard	SP	Standard
DFL	#1	DFL	#1
SPF	#1 / #2	SPF	#1 / #2
HF	Stud	HF	Stud
SP	Standard	SP	Standard
DFL	#1	DFL	#1

1x4 Braces shall be SRR (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 70 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outliners with 2' 0" overhang, or 12' plywood overhang.

So. Pine lumber design values based on the ALSC January, 2012 rule.

Attach "L" braces with 10d (0.128"x30" min) nails.

* For (1) "L" brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.

* For (2) "L" braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0" but less than 11' 6"	2X4
Greater than 11' 6"	25X4

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

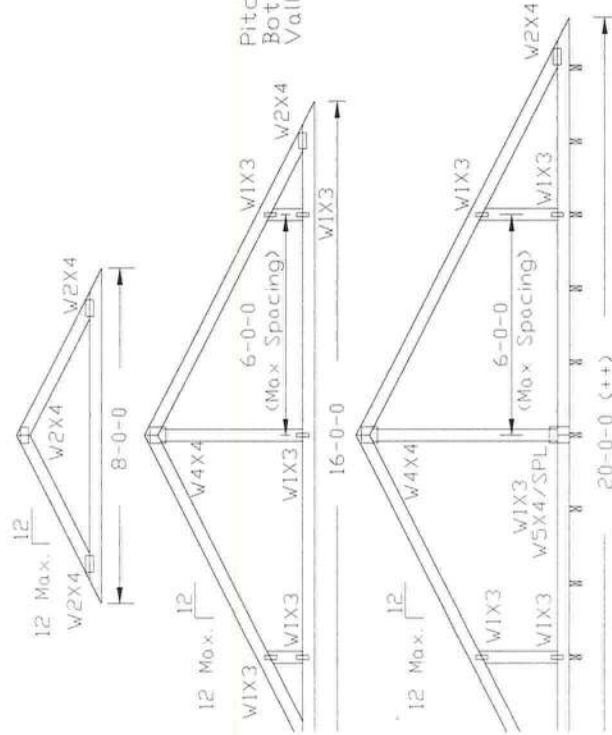
Refer to the Building Designer for conditions not addressed by this detail.

Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
 Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
 Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
 (2) 16d box (0.135" x 3.5") nails toe-nailed for
 ASCE 7-10 160 mph 30' Mean Height, Enclosed
 Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
 Or
 ASCE 7-10 140 mph 30' Mean Height, Enclosed
 Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Cut from 2x6 or
 larger as req'd



Supporting trusses at 24" o.c. maximum spacing.

Unless specified on engineer's sealed design, apply 1x4 "T" brace, 80% length of web, same species and SRB grade or better, attached with 8d box (0.113" x 2.5") nails at 6" o.c., or continuous lateral bracing, equally spaced, for vertical valley webs greater than 7'-9".

For verticals over 10'-0" tall, apply (2) 1x4 "T" braces, 80% length of web, same species and SRB grade or better, attached with 8d box (0.113" x 2.5") nails @ 6" o.

Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.

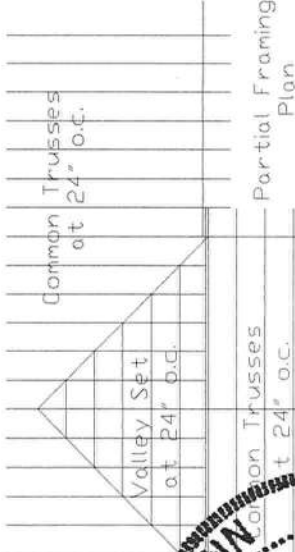
Or
 Purlins at 24" o.c. or as otherwise specified on Engineer's sealed design
 Or
 By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
 ** Larger spans may be built as long as the vertical height does not exceed 14'-0".

Bottom chord may be square or pitched cut as shown.



Pitched Cut Bottom Chord Valley
 Square Cut Bottom Chord Valley
 Stubbed Valley End Detail
 Optional Hip Joint Detail



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, by IPI and VICA for practices prior to performing these functions. Installers shall provide temporary bracing per the instructions provided on the drawings. The drawings shall be used in conjunction with the BCSI (Building Component Safety) Information, by IPI and VICA for practices prior to performing these functions. The drawings shall be used in conjunction with the BCSI (Building Component Safety) Information, by IPI and VICA for practices prior to performing these functions. The drawings shall be used in conjunction with the BCSI (Building Component Safety) Information, by IPI and VICA for practices prior to performing these functions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/APA L or for handling, shipping, installation & bracing of trusses. 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 drawing for any structure is the responsibility of the Building Designer per ANSI/APA L Sec.2

ITWBCG: www.itwbcg.com, IPI: www.ipi.org, VICA: www.vicaindustrial.org, ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

TC LL	30	30	40	PSF	REF	VALLEY DETAIL
TC DL	20	15	7	PSF	DATE	2/14/12
BC DL	10	10	10	PSF	DRWG	VAL160100212
BC LL	0	0	0	PSF		
TOT. LD.	60	55	57	PSF		
DUR.FAC.	1.25	1.33	1.15	I.I.S		
SPACING	24	0"				



```

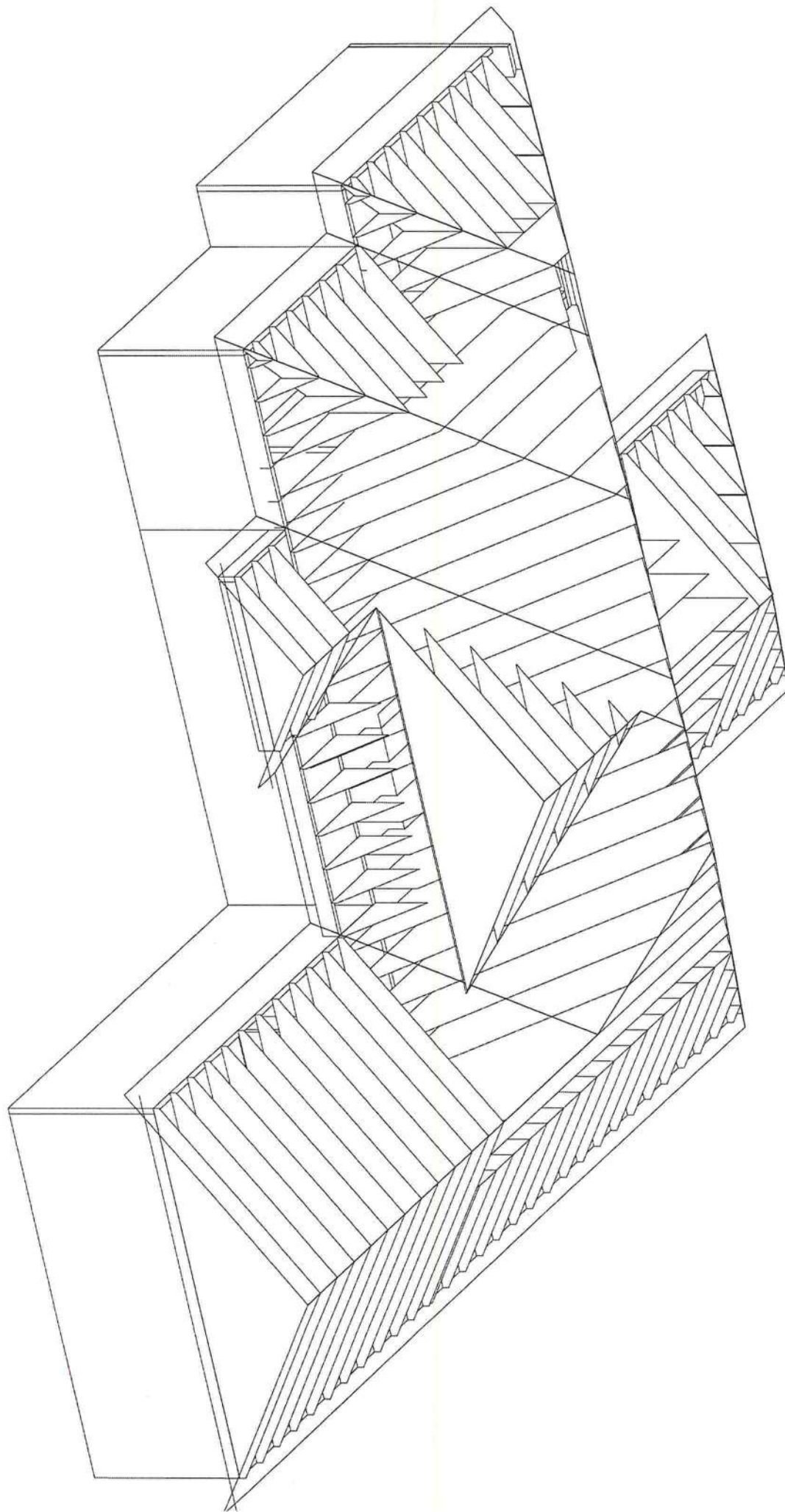
: <Not Found>

```

ADDRESS: The Preserves
JOB DESCRIPTION: Premier Building
/: Ashburn Model
JOB #: 13-065
DESIGNER: ColeMan Burlingame
SALESMAN: Curt V Burlingame

JOB NO:
13-065

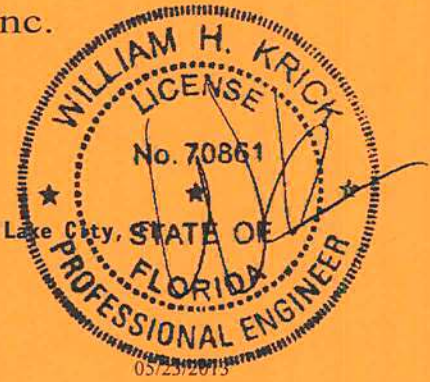
PAGE NO: 1 OF 1



30875

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:1UWG487-Z0223151455



Truss Fabricator: **Anderson Truss Company**
Job Identification: **13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL**
Truss Count: **2**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Versions 12.03, 13.01.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
Address: **the seal date per section 61G15-31.003(5a) of the FAC**
Minimum Design Loads: **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	30420-rev	AT3 32'10" S	13143003	05/23/13
2	30421-rev	AT5 31'8" Sp	13143004	05/23/13

ALPINE

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1UWG487-Z0223151455

Truss Fabricator: **Anderson Truss Company**
Job Identification: **13-065--Premier Building Ashburn Model -- The Preserves Lake City, FL**
Truss Count: **1**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Versions 12.03, 13.01.**
Structural Engineer of Record:
Address:
Minimum Design Loads: **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 120 MPH ASCE 7-10 -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	30421-rev	AT5 31'8" Sp	13143004	05/23/13



-Truss Design Engineer-
William H. Krick

1950 Marley Drive
Haines City, FL 33844

ALPINE

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

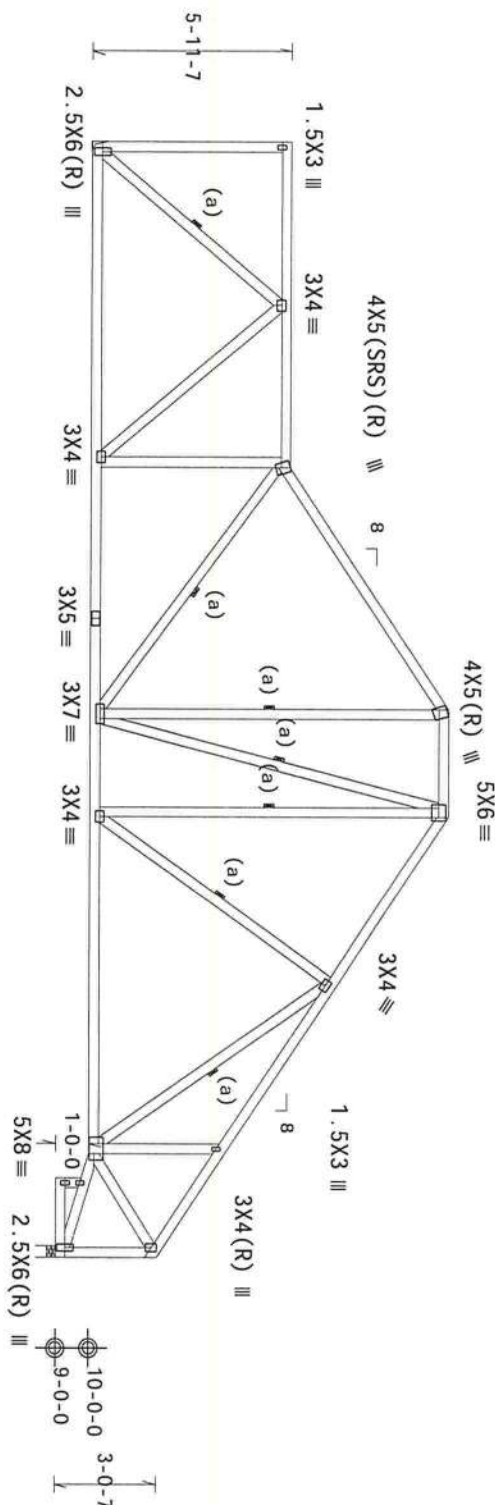
120 mph wind, 16.37 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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.

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



12.03.04: 0826:14

Scale = .1875"/Ft.

U=0 W=4

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

These requirements are in fabricating, handling, shipping, installing and bracing. Prior to following the latest edition of BCSI (Building Component Safety Information) by TPI and WTCA, installers shall provide temporary bracing prior to performing these functions. Installers shall have properly attached structural sheathing and blocking in place prior to attaching the ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0278

general contact page: www.sprink.org, if: www.sid-industry.com
icc: www.iccsafe.org

TC LL	20.0 PSF	REF	RA87-- 30420
TC DL	7.0 PSF	DATE	05/23/13
BC DL	10.0 PSF	DRW	HCURA87 13143003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	13910
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UWG487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TOURS HEP

Bot	chord	2x4	SP_#1_12A
Webbs	2x4	SP_#3_12A	

Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: 0.13" DL: 0.18" recommended camber 1/4"

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=2.5 psf, wind BC DL=5.0 psf. GCPI (+/-) 0.18

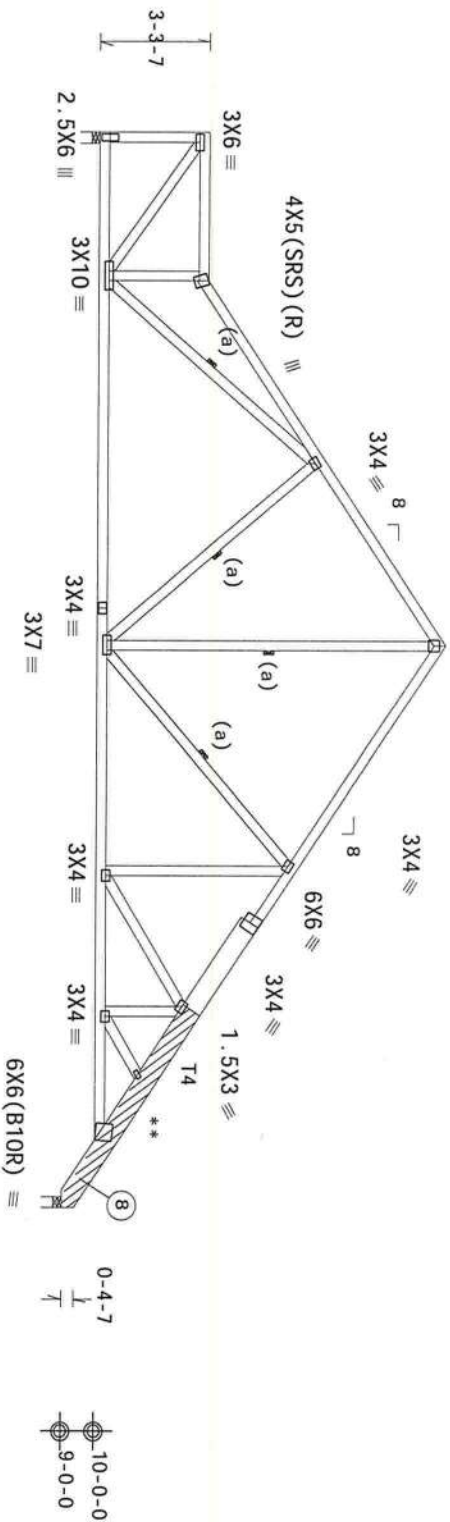
Wind loads and reactions based on MMFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

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

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

** ONE (1) 2x8x7-0-0 SP #1 Dense 12A (OR BETTER) SCAB, ATTACH SCAB TO ONE FACE OF TRUSS WITH TWO ROWS OF 131"x3" GUN NAILS AT 6" O.C. STAGGERED 3.0" THROUGHOUT TOP CHORD, WITH ADDITIONAL NAILS AT CLUSTERS AS SPECIFIED BY THE NUMBERS IN CIRCLES. REFER TO DRAWING CWNALSP0109 FOR MORE NAIL SPACING INFORMATION.



4-4-8 10-8-8 14-6-10

31-8-0 Over 2 Supports

R=1203 U=0 W=4" (4" min.)
RL=141/-164

WILLIAM H. HARRIS
LICENSED SURVEYOR
4-4-1203

4-4-1203 W=4" (4" min.)

PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STB)
FT/RT=10%(0%)/0(0)

No. 70861

El / - / 4 / - / - / B / -

Scale = 1875"/E+

ALPINE

ITV Building Components Group Inc

Haines City, FL 33844
FL COA #0278

[illegible]

05/23/2013

TC LL	20.0 PSF	REF	R487--	30421
TC DL	7.0 PSF	DATE	05/23/13	
BC DL	10.0 PSF	DRW	HOURS487 13143004	
BC LL	0.0 PSF	HC-ENG WHK/WHK		
TOT.LD.	37.0 PSF	SEQN-	2240	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UWG487_Z02	

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.

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	1 DR 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	2-2X6(*)
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.

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



TWS
Building Components Group Inc.

Building Components Group Inc.

Earth City, MO 63045

•WARNING• READ AND FOLLOW ALL NOTES ON THIS SHEET

• **Important:** • **Insert** COPY OF THIS STUDY TO INSTALLATION CONTRACT.

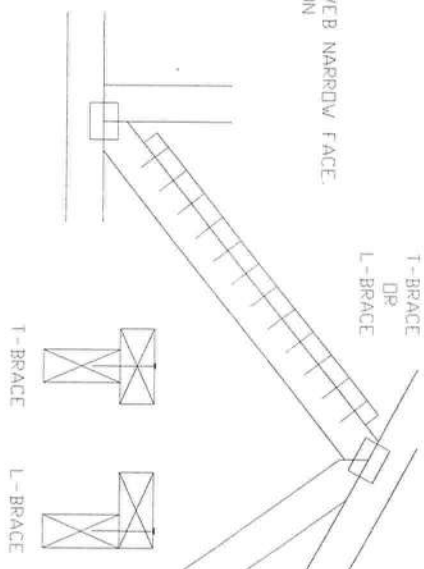
The Building Components Group Inc. (BCCI) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabrication, handling, shipping, installing, & brooding of trusses. BCCI connector plates are made of 2018/1616 (W.A.N.S./X) ASTM A653, grade 37/4760 (A.W.A.N.S) galv steel. Apply plates to each face of truss, positioned as shown above.

A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the tasks component design shown. The suitability and use of this component for any building is the responsibility of the building designer per ASCE/ASPE 1 Sec. 2.

ITW-BE: newbuilding.com; PPI: www.ppi.com; WICO: www.wicoindustries.com; ILC: www.ilcsafer.org

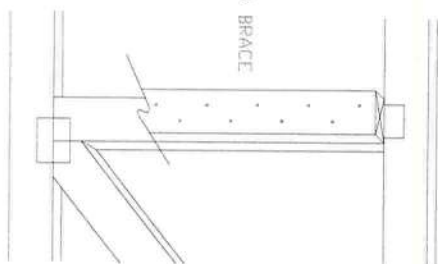
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 10d BOX OR GUN
00128 x 3" MIN D NAILS
AT 6" O.C.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH

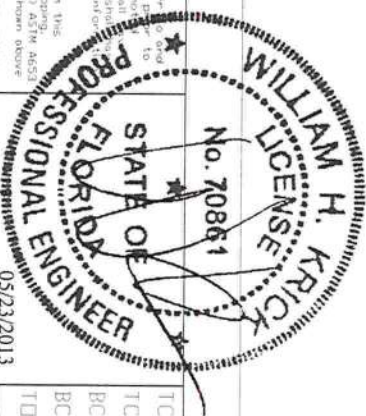


SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NID MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX DR GUN.
CO.128" x 3" MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



SCAB BRACE



May 23 '13

05/23/2013

TC LL	PSF	REF	CLB	SUBST.
TC DL	PSF	DATE	1/1/09	
BC DL	PSF	DRWG	BRCLBSUB0109	
BC LL	PSF			
TGT, LD	PSF			

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Ashburn Model
 Street:
 City, State, Zip: Lake City, FL, 32024-
 Owner: Spec House
 Design Location: FL, Gainesville

Builder Name: Premier Builders, INC.
 Permit Office: Columbia County
 Permit Number:
 Jurisdiction:

1. New construction or existing New (From Plans)
 2. Single family or multiple family Single-family
 3. Number of units, if multiple family 1
 4. Number of Bedrooms 3
 5. Is this a worst case? Yes
 6. Conditioned floor area above grade (ft²) 1877
 Conditioned floor area below grade (ft²) 0

7. Windows(294.3 sqft.) Description Area
 a. U-Factor: Dbl, U=0.30 282.33 ft²
 SHGC: SHGC=0.30
 b. U-Factor: Dbl, U=0.87 12.00 ft²
 SHGC: SHGC=0.66
 c. U-Factor: N/A ft²
 SHGC:
 d. U-Factor: N/A ft²
 SHGC:
 Area Weighted Average Overhang Depth: 1.500 ft.
 Area Weighted Average SHGC: 0.315

8. Floor Types (1877.0 sqft.) Insulation Area
 a. Slab-On-Grade Edge Insulation R=0.0 1877.00 ft²
 b. N/A R= ft²
 c. N/A R= ft²

9. Wall Types(1680.0 sqft.) Insulation Area
 a. Frame - Wood, Exterior R=13.0 1464.00 ft²
 b. Frame - Wood, Adjacent R=13.0 216.00 ft²
 c. N/A R= ft²
 d. N/A R= ft²
 10. Ceiling Types (1877.0 sqft.) Insulation Area
 a. Under Attic (Vented) R=30.0 1877.00 ft²
 b. N/A R= ft²
 c. N/A R= ft²
 11. Ducts R ft²
 a. Sup: Attic, Ret: Attic, AH: Main 6 354

12. Cooling systems kBtu/hr Efficiency
 a. Central Unit 45.0 SEER:13.00

13. Heating systems kBtu/hr Efficiency
 a. Electric Heat Pump 45.0 HSPF:7.80

14. Hot water systems
 a. Electric Cap: 80 gallons
 b. Conservation features EF: 0.920
 None

15. Credits CF, Pstat

Glass/Floor Area: 0.157

Total Proposed Modified Loads: 32.14

Total Standard Reference Loads: 40.43

PASS

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

PREPARED BY: Jonathan Morris
 DATE: 2-14-13

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____
 DATE: _____

Review of the 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 with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____
 DATE: _____

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist



PROJECT

Title: Ashburn Model	Bedrooms: 3	Address Type: Lot Information
Building Type: User	Conditioned Area: 1877	Lot #: 70
Owner: Spec House	Total Stories: 1	Block/SubDivision: The Preserves
# of Units: 1	Worst Case: Yes	PlatBook:
Builder Name: Premier Builders, INC.	Rotate Angle: 90	Street:
Permit Office: Columbia County	Cross Ventilation:	County: Columbia
Jurisdiction:	Whole House Fan:	City, State, Zip: Lake City , FL , 32024-
Family Type: Single-family		
New/Existing: New (From Plans)		
Comment:		

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
✓	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1877	16893

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1877	16893	Yes	6	3	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
✓	1	Slab-On-Grade Edge Insulatio	Main	185.666 ft	0	1877 ft²	0.3	0.3	0.4

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
✓	1	Hip	Composition shingles	2256 ft²	0 ft²	Dark	0.96	No	0.9	No	0	33.7

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	300	1877 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	Main	30	1877 ft²	0.11	Wood

WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
1	E=>S	Exterior	Frame - Wood	Main	13	33	2	9		298.5 ft²		0.23	0.75	0
2	SE=>SW	Exterior	Frame - Wood	Main	13	4		9		36.0 ft²		0.23	0.75	0
3	S=>W	Exterior	Frame - Wood	Main	13	52	8	9	0	474.0 ft²		0.23	0.75	0
4	SW=>N	Exterior	Frame - Wood	Main	13	4		9		36.0 ft²		0.23	0.75	0
5	W=>N	Exterior	Frame - Wood	Main	13	35	2	9		316.5 ft²		0.23	0.75	0
6	N=>E	Garage	Frame - Wood	Main	13	24		9		216.0 ft²		0.23	0.75	0
7	N=>E	Exterior	Frame - Wood	Main	13	33	8	9		303.0 ft²		0.23	0.75	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	E=>S	Insulated	Main	None	0.400000	3		6	8	20 ft²
2	N=>E	Wood	Main	None	0.400000	3		6	8	20 ft²
3	S=>W	Insulated	Main	None	0.400000	3		8	0	24 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Separation	Int Shade	Screening
1	N=>E	7	Vinyl	Low-E Double	Yes	0.3	0.3	45.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
2	N=>E	7	Vinyl	Low-E Double	Yes	0.3	0.3	30.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
3	N=>E	7	Vinyl	Low-E Double	Yes	0.3	0.3	6.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
4	E=>S	1	Vinyl	Low-E Double	Yes	0.3	0.3	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
5	SE=>SW	2	Vinyl	Low-E Double	Yes	0.3	0.3	12.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
6	S=>W	3	Vinyl	Low-E Double	Yes	0.3	0.3	45.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
7	S=>W	3	Vinyl	Low-E Double	Yes	0.3	0.3	54.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
8	S=>W	3	Vinyl	Low-E Double	Yes	0.3	0.3	24.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
9	W=>N	5	Vinyl	Low-E Double	Yes	0.3	0.3	20.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
10	W=>N	5	Vinyl	Low-E Double	Yes	0.87	0.66	12.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
11	SW=>NW	4	Vinyl	Low-E Double	Yes	0.3	0.3	18.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
12	N=>E	7	Vinyl	Low-E Double	Yes	0.3	0.3	13.3 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None

GARAGE

✓ #	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
1	528 ft²	528 ft²	72 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	0.000500	2461.7	135.14	254.15	0.3850	8.7433

HEATING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump	None	HSPF: 7.8	45 kBtu/hr	1	sys#1

COOLING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
1	Central Unit	None	SEER: 13	45 kBtu/hr	1350 cfm	0.75	1	sys#1

HOT WATER SYSTEM

#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
1	Electric	None	Main	0.92	80 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

FSEC	Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
None	None	None			ft²		

DUCTS

#	Location	Supply R-Value	Area	Location	Return Area	Leakage Type	Air Handler CFM25	CFM25 OUT	QN	RLF	HVAC # Heat	Coool
1	Attic	6	354 ft²	Attic	88.5 ft²	Default Leakage	Main	cfm	(Default)		1	1

TEMPERATURES

Programable Thermostat: Y													
Ceiling Fans:													
Cooling	☐ Jan	☐ Feb	☐ Mar	☐ Apr	☐ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☐ Oct	☐ Nov	☐ Dec	
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ Nov	☒ Dec	
Venting	☐ Jan	☐ Feb	☐ Mar	☐ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☐ Oct	☐ Nov	☐ Dec	
Thermostat Schedule: HERS 2006 Reference													
Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12	
Cooling (WD)	AM 78	78	78	78	78	78	78	78	80	80	80	80	
	PM 80	80	78	78	78	78	78	78	78	78	78	78	
Cooling (WEH)	AM 78	78	78	78	78	78	78	78	78	78	78	78	
	PM 78	78	78	78	78	78	78	78	78	78	78	78	
Heating (WD)	AM 66	66	66	66	66	68	68	68	68	68	68	68	
	PM 68	68	68	68	68	68	68	68	68	68	68	68	
Heating (WEH)	AM 66	66	66	66	66	68	68	68	68	68	68	68	
	PM 68	68	68	68	68	68	68	68	68	68	68	68	

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS:

Lake City, FL, 32024-

PERMIT #:

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code.	
	403.3.3	Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Ashburn Model

Lake City, FL 32024-

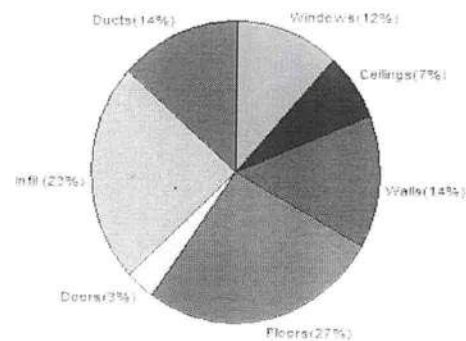
2/14/2013

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature(MJ8 99%)	33 F	Summer design temperature(MJ8 99%)	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	30287 Btuh	Total cooling load calculation	30389 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	148.6 45000	Sensible (SHR = 0.75)	144.4 33750
Heat Pump + Auxiliary(0.0kW)	148.6 45000	Latent	160.3 11250
		Total (Electric Heat Pump)	148.1 45000

WINTER CALCULATIONS

Winter Heating Load (for 1877 sqft)

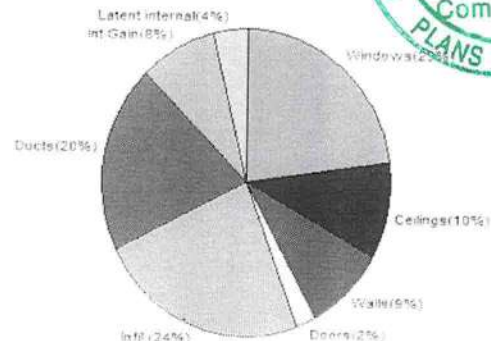
Load component		Load	
Window total	294 sqft	3520	Btuh
Wall total	1322 sqft	4340	Btuh
Door total	64 sqft	947	Btuh
Ceiling total	1877 sqft	2212	Btuh
Floor total	1877 sqft	8106	Btuh
Infiltration	173 cfm	7025	Btuh
Duct loss		4136	Btuh
Subtotal		30287	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		30287	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1877 sqft)

Load component		Load	
Window total	294 sqft	6905	Btuh
Wall total	1322 sqft	2644	Btuh
Door total	64 sqft	717	Btuh
Ceiling total	1877 sqft	3108	Btuh
Floor total		0	Btuh
Infiltration	130 cfm	2421	Btuh
Internal gain		2580	Btuh
Duct gain		4996	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		23371	Btuh
Latent gain(ducts)		1065	Btuh
Latent gain(infiltration)		4754	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		7018	Btuh
TOTAL HEAT GAIN		30389	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

Jonathan Morris

DATE:

2-14-03

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Ashburn Model
Building Type: User

Lake City, FL 32024-

2/14/2013

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.30	Vinyl	0.30	E	45.0		11.1	500 Btuh
2	2, NFRC 0.30	Vinyl	0.30	E	30.0		11.1	333 Btuh
3	2, NFRC 0.30	Vinyl	0.30	E	6.0		11.1	67 Btuh
4	2, NFRC 0.30	Vinyl	0.30	S	15.0		11.1	166 Btuh
5	2, NFRC 0.30	Vinyl	0.30	SW	12.0		11.1	133 Btuh
6	2, NFRC 0.30	Vinyl	0.30	W	45.0		11.1	500 Btuh
7	2, NFRC 0.30	Vinyl	0.30	W	54.0		11.1	599 Btuh
8	2, NFRC 0.30	Vinyl	0.30	W	24.0		11.1	266 Btuh
9	2, NFRC 0.30	Vinyl	0.30	N	20.0		11.1	222 Btuh
10	2, NFRC 0.66	Vinyl	0.87	N	12.0		32.2	386 Btuh
11	2, NFRC 0.30	Vinyl	0.30	NW	18.0		11.1	200 Btuh
12	2, NFRC 0.30	Vinyl	0.30	E	13.3		11.1	148 Btuh
Window Total					294.3(sqft)			3520 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	264		3.28	865 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	24		3.28	79 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	327		3.28	1074 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	18		3.28	59 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	285		3.28	934 Btuh
6	Frame - Wood	- Adj	(0.089)	13.0/0.0	196		3.28	644 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	209		3.28	685 Btuh
Wall Total					1322(sqft)			4340 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)		20		14.8	296 Btuh
2	Wood - Garage,	n	(0.400)		20		14.8	296 Btuh
3	Insulated - Exterior,	n	(0.400)		24		14.8	355 Btuh
Door Total					64(sqft)			947Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shing		(0.032)	30.0/0.0	1877		1.2	2212 Btuh
Ceiling Total					1877(sqft)			2212Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	185.7 ft(perim.)		43.7	8106 Btuh
Floor Total					1877 sqft			8106 Btuh
Envelope Subtotal:								19126 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		
	Natural		0.62	16893	1.00	173.4		7025 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.158)							4136 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Ashburn Model
Building Type: User

Lake City, FL 32024-

2/14/2013

All Zones	Sensible Subtotal All Zones	30287 Btuh
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WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	30287 Btuh 0 Btuh 30287 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	45000 Btuh
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
Ashburn Model

Lake City, FL 32024-

2/14/2013

Reference City: Gainesville, FL

Temperature Difference: 17.0F(MJ8 99%)

Humidity difference: 54gr.

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Type*						Overhang		Window Area(sqft)			HTM		Load		
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2 NFRC	0.30, 0.30	B-L	No	E		1.5ft	1.0ft	45.0	1.8	43.2	8	24	1050	Btuh	
2	2 NFRC	0.30, 0.30	B-L	No	E		1.5ft	1.0ft	30.0	1.5	28.5	8	24	696	Btuh	
3	2 NFRC	0.30, 0.30	B-L	No	E		1.5ft	1.0ft	6.0	0.5	5.5	8	24	136	Btuh	
4	2 NFRC	0.30, 0.30	B-L	No	S		1.5ft	1.0ft	15.0	15.0	0.0	8	10	121	Btuh	
5	2 NFRC	0.30, 0.30	B-L	No	SW		1.5ft	1.0ft	12.0	2.9	9.1	8	19	195	Btuh	
6	2 NFRC	0.30, 0.30	B-L	No	W		1.5ft	1.0ft	45.0	2.2	42.8	8	24	1044	Btuh	
7	2 NFRC	0.30, 0.30	B-L	No	W		1.5ft	1.0ft	54.0	2.2	51.8	8	24	1260	Btuh	
8	2 NFRC	0.30, 0.30	B-L	No	W		1.5ft	1.0ft	24.0	1.0	23.0	8	24	560	Btuh	
9	2 NFRC	0.30, 0.30	B-L	No	N		1.5ft	1.0ft	20.0	0.0	20.0	8	8	161	Btuh	
10	2 NFRC	0.66, 0.87	B-L	No	N		1.5ft	1.0ft	12.0	0.0	12.0	20	20	241	Btuh	
11	2 NFRC	0.30, 0.30	B-L	No	NW		1.5ft	1.0ft	18.0	0.0	18.0	8	18	317	Btuh	
12	2 NFRC	0.30, 0.30	B-L	No	E		1.5ft	1.0ft	13.3	0.5	12.8	8	24	312	Btuh	
	Excursion													811	Btuh	
	Window Total								294 (sqft)					6905 Btuh		
Walls	Type					U-Value	R-Value	Area(sqft)			HTM		Load			
							Cav/Sheath									
1	Frame - Wood - Ext					0.09	13.0/0.0	263.5			2.1		550 Btuh			
2	Frame - Wood - Ext					0.09	13.0/0.0	24.0			2.1		50 Btuh			
3	Frame - Wood - Ext					0.09	13.0/0.0	327.0			2.1		682 Btuh			
4	Frame - Wood - Ext					0.09	13.0/0.0	18.0			2.1		38 Btuh			
5	Frame - Wood - Ext					0.09	13.0/0.0	284.5			2.1		593 Btuh			
6	Frame - Wood - Adj					0.09	13.0/0.0	196.0			1.5		296 Btuh			
7	Frame - Wood - Ext					0.09	13.0/0.0	208.7			2.1		435 Btuh			
	Wall Total								1322 (sqft)					2644 Btuh		
Doors	Type							Area (sqft)			HTM		Load			
1	Insulated - Exterior							20.0			11.2		224 Btuh			
2	Wood - Garage							20.0			11.2		224 Btuh			
3	Insulated - Exterior							24.0			11.2		269 Btuh			
	Door Total								64 (sqft)					717 Btuh		
Ceilings	Type/Color/Surface					U-Value	R-Value	Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle					0.032	30.0/0.0	1877.0			1.66		3108 Btuh			
	Ceiling Total								1877 (sqft)					3108 Btuh		
Floors	Type						R-Value	Size			HTM		Load			
1	Slab On Grade						0.0	1877 (ft-perimeter)			0.0		0 Btuh			
	Floor Total								1877.0 (sqft)					0 Btuh		
	Envelope Subtotal:													13374 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Ashburn Model

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024-

2/14/2013

Infiltration	Type Natural	Average ACH 0.46	Volume(cuft) 16893	Wall Ratio 1	CFM= 130.1	Load 2421 Btuh
Internal gain		Occupants 6	Btuh/occupant X 230	Appliance +	1200	Load 2580 Btuh
	Sensible Envelope Load:					18375 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.272)		4996 Btuh
	Sensible Load All Zones					23371 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:
Ashburn Model

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024-

2/14/2013

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	18375 Btuh
	Sensible Duct Load	4996 Btuh
	Total Sensible Zone Loads	23371 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	23371 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4754 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1065 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7018 Btuh
	TOTAL GAIN	30389 Btuh

EQUIPMENT

1. Central Unit	#	45000 Btuh
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*Key: Window types (Panels - Number and type of panes of glass)
 (SHGC - Shading coefficient of glass as SHGC numerical value)
 (U - Window U-Factor)
 (InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
 - For Blinds: Assume medium color, half closed
 For Draperies: Assume medium weave, half closed
 For Roller shades: Assume translucent, half closed
 (IS - Insect screen: none(N), Full(F) or Half(1/2))
 (Ornt - compass orientation)



Version 8



CBC-1258773
Product Approval Codes

P.O. Box 2231 Lake City, FL 32056

Date: 3/12/13

1. Windows-FL 9965-R2
2. Doors-FL 5851-R3
3. Roofing-FL 10674-R7

Sincerely, Isaac Nickelson
(386) 965-0985
Owner/President