DATE 06/04/2019

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000038188

APPLICANT BRADLEY FRANKS PHONE 386.755.2455

ADDRESS 455 SW DEPUTY J. DAVIS LN LAKE CITY FL 32024

OWNER DANNY STATTER PHONE 386.747.0642

ADDRESS 275 SW BEACON WAY LAKE CITY FL 32025

CONTRACTOR BRADLEY FRANKS PHONE 386.755.2455

LOCATION OF PROPERTY 90-W TO C-341,TL TO BUSINESS POINT,TL TO BEACON,TL
AND THE PROPERTY IS ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 110050.00

HEATED FLOOR AREA 1610.00 TOTAL AREA 2201.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING PRD MAX. HEIGHT

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

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

PARCEL ID 13-4S-16-02951-115 SUBDIVISION AMELIA LANDING

LOT 15 BLOCK PHASE 1 UNIT TOTAL ACRES 0.73

		R291103874		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
PRIVATE	CITY	LH	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

Time/STUP No.

COMMENTS: MFE @ 117.00'. ELEVATION CONFIRMATION LETTER @ SLAB.

Check # or Cash 1001

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 $ 555.00 CERTIFICATION FEE $ 11.01 SURCHARGE FEE $ 11.01

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

PLAN REVIEW FEE $ 139.00 DP & FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 791.02

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 RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

OWNERS 1001 Bradley's Signature

2nd Page - Signature Columbia County New Building Permit Application FL PRODUCT

RESIDENTIAL CHECKLIST

For Office Use Only Application # 1904-66 Date Received 4/22 By JW Permit # 38188

Zoning Official JH Date 4-29-19 Flood Zone X Land Use RLD Zoning PRD

FEMA Map # N/A Elevation ____ MFE 117' prelim River N/A Plans Examiner J.C Date 4-29-19

Comments Need Elevation letter at SLab 117' Front 25' sides 10' Rear 15'

NOC 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 HALL'S LAND

Owner Builder Disclosure Statement Land Owner Affidavit Ellisville Water App Fee Paid Sub VF Form

Septic ALL Utility Utilities OR City Water Sewer Fax

Applicant (Who will sign/pickup the permit) Bradley Franks Phone 386-755-2455

Address 455 SW Deputy J Davis Ln, Lake City FL 32024

Owners Name Danny Statter Phone 386-747-0642

911 Address 275 SW Beacon Way, Lake City FL 32025

Contractors Name Bradley Franks Phone 386-755-2455

Address 455 SW Deputy J Davis Ln, Lake City FL 32024

Contractor Email Bradley@bradleyfranks.com ***Include to get updates on this job.

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Nick Giesler, 1758 NW Brown RD, Lake City FL 32055

Mortgage Lenders Name & Address N/A

Circle the correct power company FL Power & Light ✔ Clay Elec. Suwannee Valley Elec. Duke Energy

Property ID Number 13-4S-16-02951-115 Estimated Construction Cost 160,000

Subdivision Name Amelia Landing Lot 15 Block ~~1~~ Unit ~~1~~ Phase 1

Driving Directions from a Major Road Take 90 W to Sister's Welcome Rd, turn left, Approx 3 miles

turn Left on Business Point, Beacon Way is the second Rd on the Left, Property is on the Right.

Construction of Single Family Dwelling ____ Commercial OR X Residential

Proposed Use/Occupancy Residential Home Number of Existing Dwellings on Property ____

Is the Building Fire Sprinkled? No If Yes, blueprints included N/A Or Explain N/A

Circle Proposed Culvert Permit or Culvert Waiver or D.O.T. Permit or ~~Have an Existing Drive~~ Private Rd

Actual Distance of Structure from Property Lines - Front 35' Side 76' Side 76' Rear 63'

Number of Stories 1 Heated Floor Area 1610 Total Floor Area 2201 Acreage .73

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)

JW spoke w/ Bradley 4.23.19 IN PERSON + 4.24.19 - JW sent email 5.7.19

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 National Electrical Code.

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.

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 pursued in good faith or a permit has been issued.

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 CONTRACTOR AND AGENT: ***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.

Danny Statter — Dany Statter

Print Owners Name * **Owners Signature**

****Property owners must sign here before any permit will be issued.**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

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

Contractor's License Number RG291103874
Columbia County
Competency Card Number 1448

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 23rd **day of** April **20**19.

Personally Known ✓ **or Produced Identification** ~~Columbia County~~

Laurie Hodson — **SEAL:**

State of Florida Notary Signature (For the Contractor)

Inst. Number: 201812014752 Book: 1364 Page: 2040 Page 1 of 2 Date: 7/17/2018 Time: 10:46 AM
P. DeWitt Cason Clerk of Courts, Columbia County, Florida Doc Deed: 133.00 Int Tax: 0.00 Doc Mort: 0.00

Prepared by and return to:
Rob Stewart
Lake City Title
426 SW Commerce Drive, Ste 145
Lake City, FL 32025
(386) 758-1880
File No 2018-2479
Parcel Identification No 13-4S-16-02951-115

[Space Above This Line For Recording Data]

WARRANTY DEED

(STATUTORY FORM – SECTION 689.02, F.S.)

This indenture made the **16th day of July, 2018** between **Christopher R. Inman, a Single Man,** whose post office address is **PO Box 67266, St. Petersburg, FL 33736**, of the County of Pinellas, State of Florida, Grantor, to **Danny Statter, a Single Man**, whose post office address is **2552 Sedgefield Avenue, Deltona, FL 32725,** of the County of Volusia, State of Florida, Grantee:

Witnesseth, that said Grantor, for and in consideration of the sum of TEN DOLLARS (U.S.$10.00) and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said Grantee, and Grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia, Florida, to-wit:

Lot 15, of AMELIA LANDING, Phase I, a subdivision according to the Plat thereof, as recorded in PRRD Book 1, Pages 38 through 39, of the Public Records of Columbia County, Florida.

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

Subject to taxes for 2018 and subsequent years, not yet due and payable; covenants, restrictions, easements, reservations and limitations of record, if any.

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

And Grantor hereby covenants with the Grantee that the Grantor is lawfully seized of said land in fee simple, that Grantor has good right and lawful authority to sell and convey said land and that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, Grantor has hereunto set Grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

WITNESS Teresa Acevedo

WITNESS Robert Stewart

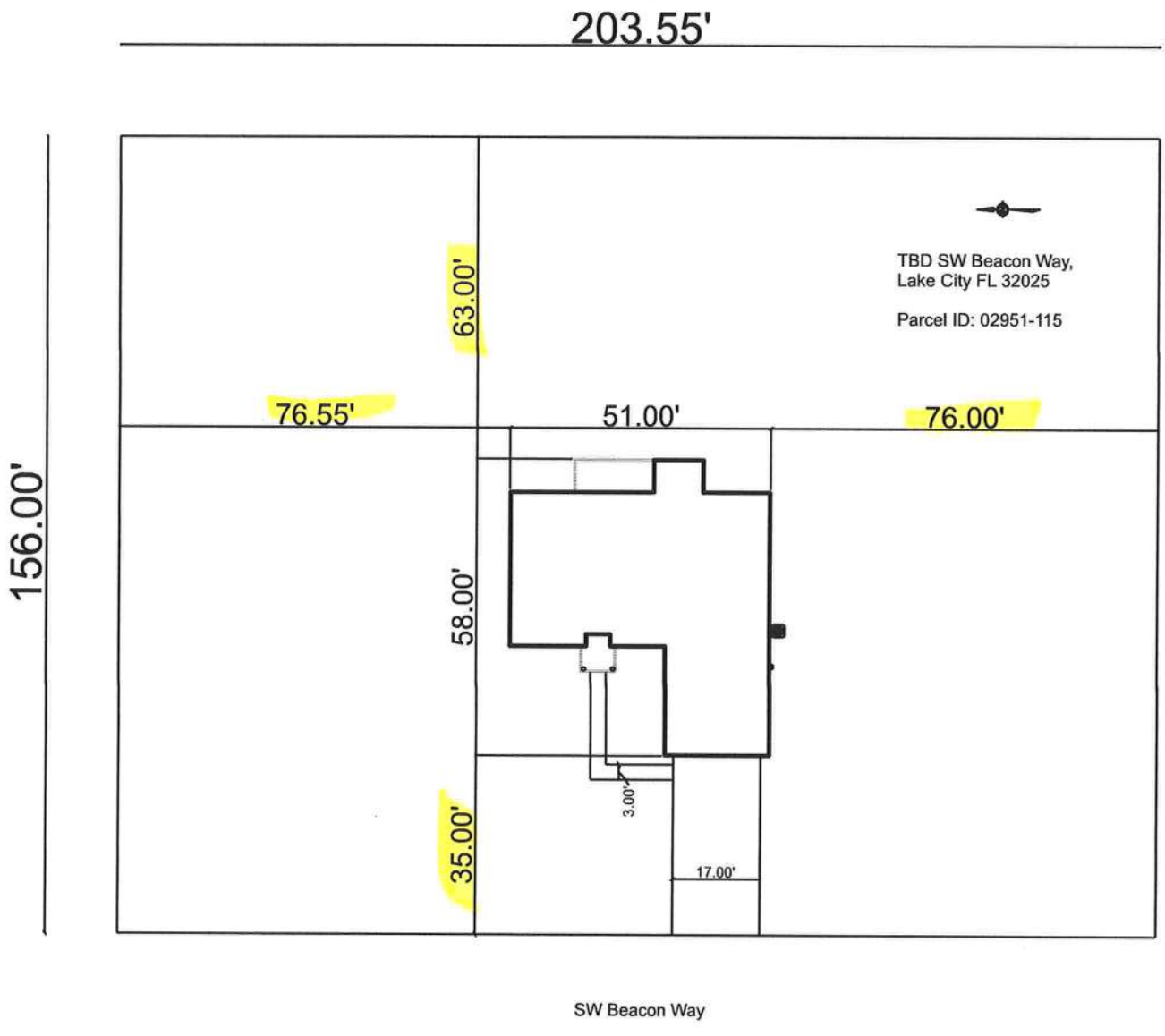
Christopher R. Inman

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 16 day of July, 2018, by Christopher R. Inman, who is personally known to me or has produced FL D/L as identification.

Signature of Notary Public
Robert S. Stewart

Notary Public State of Florida
Robert S Stewart
My Commission GG 128943
Expires 09/26/2021


203.55'
156.00'
63.00'
TBD SW Beacon Way,
Lake City FL 32025
Parcel ID: 02951-115
76.55'
51.00'
76.00'
58.00'
3.00'
35.00'
17.00'
SW Beacon Way

District No. 1 - Ronald Williams
District No. 2 - Rocky Ford
District No. 3 - Bucky Nash
District No. 4 - Toby Witt
District No. 5 - Tim Murphy

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

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

Date/Time Issued:	**4/24/2019 11:05:33 AM**
Address:	**275 SW BEACON Way**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32025**
Parcel ID	**02951-115**

REMARKS: Address for proposed structure on parcel.

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

Address Issued By: **Signed:/ Matt Crews**

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT

263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125
Email: gis@columbiacountyfla.com

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME Franks

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. 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 general contractors permit.

NOTE: *It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.*

Use website to confirm licenses: http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

		Need
ELECTRICAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☑ CC#_____	Print Name David Hall Signature D Hall Company Name: David Halls Inc. License #: CAC057424 Phone #: 386 755-9792	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☑ CC# 715	Print Name [illegible] Signature Cole Burns Company Name: Burns Plumbing License #: CFC1427145 Phone #: 386 623-0509	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☑ CC# 1498	Print Name Bradley Franks Signature [signature] Company Name: Bradley Franks Construction License #: RG291103874 Phone #: 386-755-2455	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License#:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Ref: F.S. 440.103; ORD. 2016-30

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME _____

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Use website to confirm licenses: http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx

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Violations will result in stop work orders and/or fines.

ELECTRICAL ☑ CC# 39	Print Name Matt Burns Signature Matt H B Company Name: Matt Burns Electric & Inc License #: EC 13006531 Phone #: 3863653688	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License#:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Ref: F.S. 440.103; ORD. 2016-30

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1904-60 JOB NAME Franks

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		Need
ELECTRICAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC# 568	Print Name David Hall Signature D Hall Company Name: David Halls INC. License #: CAC057424 Phone #: 386 755-9792	☐ Lic ✓ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ✓ CC# 715	Print Name_____ Signature Cole Burns Company Name: Burns Plumbing License #: CFC1427145 Phone #: 386 623-0509	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ✓ CC# 1498	Print Name Bradley Franks Signature_____ Company Name: Bradley Franks Construction License #: RG2911038774 Phone #: 386-755-2455	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License#:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #:_____ Phone #:_____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Ref: F.S. 440.103; ORD. 2016-30

SUBCONTRACTOR VERIFICATION

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Violations will result in stop work orders and/or fines.

ELECTRICAL [✓] CC# 309	Print Name Matt Burns Signature Matt H B Company Name: Matt Burns Electric, Inc License #: EC 13006531 Phone #: 3863653688	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C [ ] CC#	Print Name Signature Company Name: License #: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS [ ] CC#	Print Name Signature Company Name: License #: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING [ ] CC#	Print Name Signature Company Name: License #: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL [ ] CC#	Print Name Signature Company Name: License #: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER [ ] CC#	Print Name Signature Company Name: License#: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR [ ] CC#	Print Name Signature Company Name: License #: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY [ ] CC#	Print Name Signature Company Name: License #: Phone #:	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Ref: F.S. 440.103; ORD. 2016-30

Legend

2016Aerials

Parcels

Subdivisions

Roads

- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

Addressing:2018 Base Flood Elevations Group

2018 Base Flood Elevations

- DEFAULT
- Base Flood Elevations

2018 Base Flood Elevation Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

2018 Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

Contours

- default{Contours.shp}
- DEFAULT

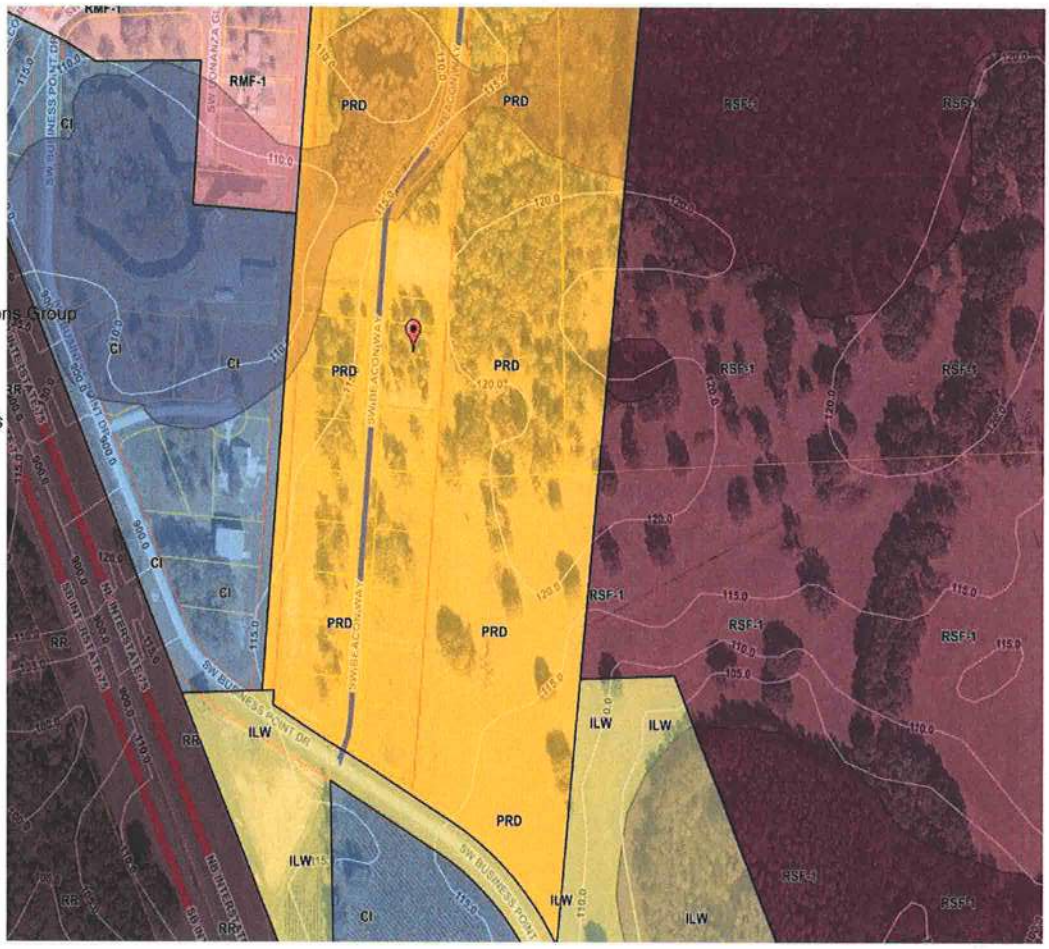
DevZones1

- others
- A-1
- A-2
- A-3
- CG
- CHI
- CI
- CN
- CSV
- ESA-2
- I
- ILW
- MUD-I
- PRD
- PRRD
- RMF-1
- RMF-2
- RO
- RR
- RSF-1
- RSF-2
- RSF-3
- RSF/MH-1
- RSF/MH-2
- RSF/MH-3

DEFAULT

Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Apr 29 2019 07:28:57 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 13-4S-16-02951-115

Owner: STATTER DANNY

Subdivision: AMELIA LANDING PHASE 1

Lot:

Acres: 0.7290038

Deed Acres:

District: District 5 Tim Murphy

Future Land Uses: Residential - Low, Residential - Very Low

Flood Zones:

Official Zoning Atlas: PRD

"AMELIA LANDING PHASE 1"

A PLANNED RESIDENTIAL DEVELOPMENT

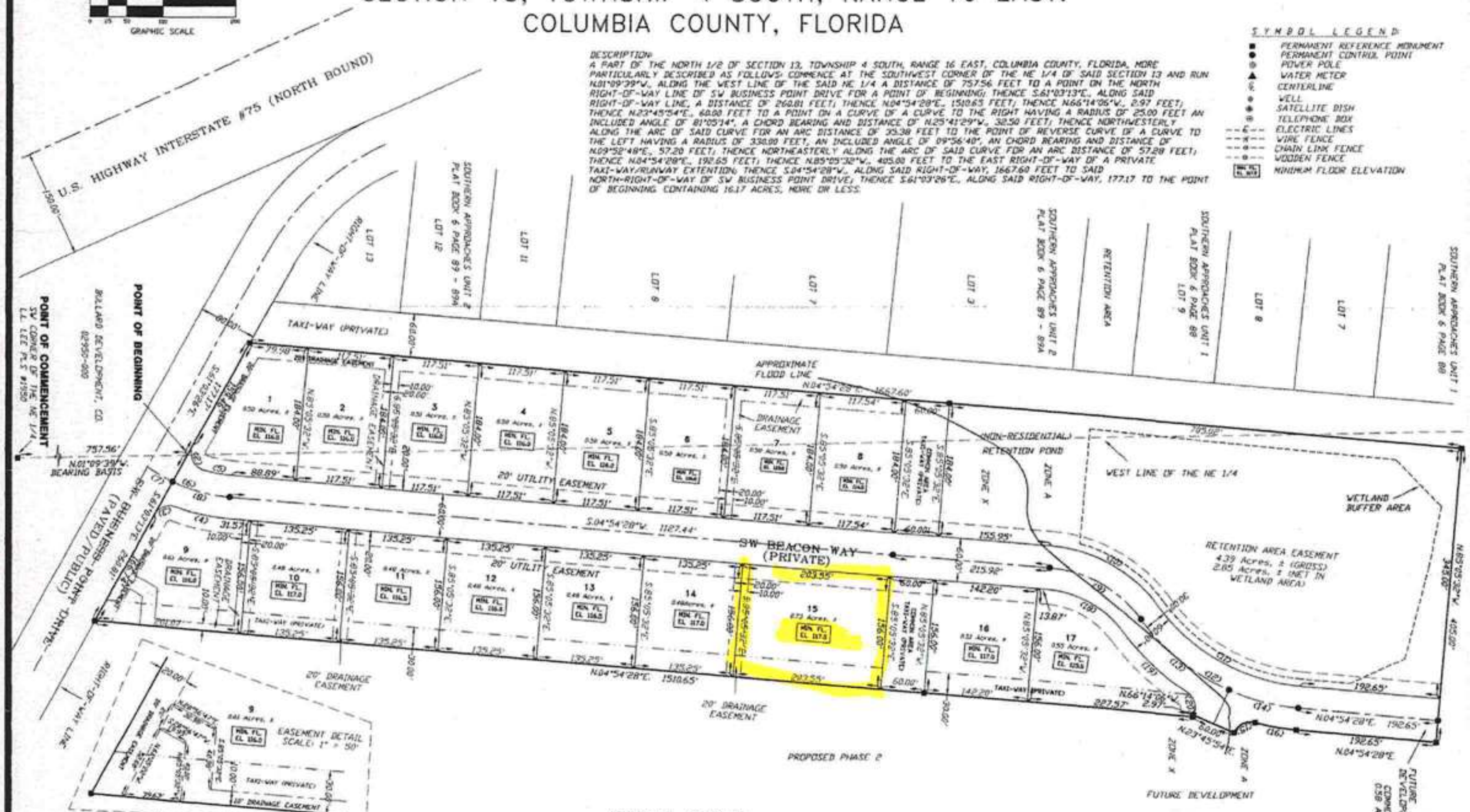
SECTION 13, TOWNSHIP 4 SOUTH, RANGE 16 EAST.
COLUMBIA COUNTY, FLORIDA

PRRD PLAT BOOK 1 PAGE 39
SHEET 2 OF 2

SCALE: 1" = 100'

DESCRIPTION:
A PART OF THE NORTH 1/2 OF SECTION 13, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF THE NE 1/4 OF SAID SECTION 13 AND RUN N.01°09'39"W., ALONG THE WEST LINE OF THE SAID NE 1/4 A DISTANCE OF 757.56 FEET TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF SW BUSINESS POINT DRIVE FOR A POINT OF BEGINNING; THENCE S.61°03'13"E., ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 260.81 FEET; THENCE N.04°54'28"E., 1510.65 FEET; THENCE N.66°14'06"W., 2.97 FEET; THENCE N.23°45'54"E., 60.00 FEET TO A POINT ON A CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET AN INCLUDED ANGLE OF 81°05'14", A CHORD BEARING AND DISTANCE OF N.25°41'29"W., 32.50 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 35.38 FEET TO THE POINT OF REVERSE CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 09°56'40", AN CHORD BEARING AND DISTANCE OF N.09°52'48"E., 57.20 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 57.28 FEET; THENCE N.04°54'28"E., 192.65 FEET; THENCE N.85°05'32"W., 405.00 FEET TO THE EAST RIGHT-OF-WAY OF A PRIVATE TAXI-WAY/RUNWAY EXTENTION; THENCE S.04°54'28"W., ALONG SAID RIGHT-OF-WAY, 1667.60 FEET TO SAID NORTH-RIGHT-OF-WAY OF SW BUSINESS POINT DRIVE; THENCE S.61°03'26"E., ALONG SAID RIGHT-OF-WAY, 177.17 TO THE POINT OF BEGINNING CONTAINING 16.17 ACRES, MORE OR LESS.

SYMBOL LEGEND:
- PERMANENT REFERENCE MONUMENT
- PERMANENT CONTROL POINT
- POWER POLE
- WATER METER
- CENTERLINE
- WELL
- SATELLITE DISH
- TELEPHONE BOX
- ELECTRIC LINES
- WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE
- MINIMUM FLOOR ELEVATION



CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	756.20'	34°31'55"	455.76'	235.04'	448.89'	N.43°53'20"W.
2	25.00'	103°05'56"	44.99'	31.48'	39.16'	S.67°23'49"W.
3	25.00'	82°00'03"	35.78'	21.73'	32.80'	N.20°03'12"W.
4	260.00'	16°02'22"	72.78'	36.63'	72.55'	S.12°55'39"W.
5	200.00'	10°56'23"	38.19'	19.15'	38.13'	S.10°22'40"W.
6	230.00'	30°21'50"	121.89'	62.41'	120.47'	S.20°05'23"W.
7	230.00'	09°58'47"	40.06'	20.08'	40.01'	N.30°16'54"E.
8	230.00'	20°23'03"	81.83'	41.35'	81.40'	N.15°05'59"E.
9	175.00'	48°37'11"	148.50'	79.05'	144.09'	N.29°13'04"E.
10	205.00'	48°37'11"	173.96'	92.60'	168.79'	N.29°13'04"E.
11	270.00'	48°37'11"	229.12'	121.97'	222.30'	S.29°13'04"W.
12	300.00'	48°37'11"	254.57'	135.52'	247.00'	S.29°13'04"W.
13	300.00'	29°45'45"	155.84'	79.72'	154.09'	N.38°38'47"E.
14	300.00'	18°51'26"	98.74'	49.82'	98.29'	N.14°20'11"E.
15	25.00'	81°05'14"	35.38'	21.38'	32.50'	N.25°41'29"W.
16	330.00'	09°56'40"	57.28'	28.71'	57.20'	N.09°52'48"E.
17	20.00'	71°08'34"	24.83'	14.30'	23.27'	S.30°39'49"E.
18	145.00'	48°37'11"	123.04'	65.50'	119.38'	N.29°13'04"E.
19	330.00'	20°50'59"	120.09'	60.71'	119.42'	S.43°06'30"W.
20	25.00'	81°05'14"	35.38'	21.38'	32.50'	N.73°13'17"E.

NOTICE:
THIS PLAT AS RECORDED IN ITS GRAPHICAL FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY OTHER GRAPHICAL OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE:
ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES; PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF ELECTRIC, TELEPHONE, GAS OR OTHER PUBLIC UTILITY. IN THE EVENT THAT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES.

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L- 16538

CITY OF LAKE CITY
Florida's Gateway Est. 1859

May 20, 2019

Bradley Franks Construction
257 SW Hudson Lane
Lake City, FL 32025

RE: Service Availability Letter

To Whom It May Concern,

Thank you for your inquiry regarding the availability of city utilities. The City of Lake City has potable water and sanitary sewer available to tap into at 275 SW Beacon Way, Parcel 13-4S-16-02951-115.

This availability response does not represent the City of Lake City's commitment for or reservation of capacity. In accordance with the City of Lake City's policies and procedures, commitment to serve is made only upon the City of Lake City's approval of your application for service and receipt of your payment of all applicable fees.

If you have any questions, please feel free to contact me at (386) 719-5786 during our normal business hours of 8:00 am to 4:30 pm, Monday through Friday. I will be happy to assist you.

Sincerely,

Shasta M. Pelham

Shasta M. Pelham
Utility Service Coordinator

Brian Scott
Director of Distribution and Collections

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015 AND THE NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. 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
Revised 12/2016

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Marked as Applicable
				Select From the Dropbox
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.) 1610	Total (Sq. Ft.) under roof 2201		YES / NO / N/A

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 Marked as Applicable
8	**Plans or specifications must show compliance with FBCR Chapter 3**	YES / NO / N/A
		Select From the Dropbox
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/m²), to be used for the design of exterior component, cladding materials not specifally 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 Marked as Applicable

YES / NO / N/A

Select From the Dropbox

FBCR 403: Foundation Plans

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 valve of soil 2000 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**	✓

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	N/A

40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	N/A
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers	N/A
42	Attachment of joist to girder	N/A
43	Wind load requirements where applicable	N/A
44	Show required under-floor crawl space	N/A
45	Show required amount of ventilation opening for under-floor spaces	N/A
46	Show required covering of ventilation opening	N/A
47	Show the required access opening to access to under-floor spaces	N/A
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	N/A
49	Show Draftstopping, Fire caulking and Fire blocking	N/A
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	N/A
51	Provide live and dead load rating of floor framing systems (psf).	N/A

YES / NO / N/A

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
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 assembles covering	✓
72	Submit Florida Product Approval numbers for each component of the roof assembles 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 chapter11 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.*

YES / NO / N/A

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
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.	- ✓

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed.	YES		
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 required. www.columbiacountyfla.com	YES		
94	**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.	YES		
***	**BELOW ITEMS ONLY NEEDED AFTER ZONING APPROVAL HAS GIVEN.**	****	***	***
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	YES		
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031	YES		
97	**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	YES		
98	**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.			
99	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			
100	**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.	YES		
101	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	YES		

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. YES

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.

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.

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Plastpro	Fiberglass Side-hinged Door	15180.1
B. SLIDING			
C. SECTIONAL/ROLL UP	C.H.I.	Garage Door	15012 R1
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	YKK	StyleView Single-Hung	8114.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Cemplank Lab Siding	13192.1
B. SOFFITS	Kaycan LTD	Vinyl Soffit T-4	12198.3
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	TAMKO	Dimensional Asphalt Shingle	1956.3
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	Simpson Strong-Tie, Co	ABU44/ABU66, Hurricane Tie	1086.4/ 10446.8
B. WOOD ANCHORS	Simpson Strong-Tie, Co	Masonry Screws	2355.1
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

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

4/24/19

Contractor OR Agent Signature Date

NOTES: _____

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

Florida Department of Business and Professional Regulation
Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:

- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- ☐ *Mandatory Requirements (five pages)*

Required prior to CO for the Performance Method:

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report (usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	190446 - Amelia Landing Lot 15	Builder Name:	Bradley Franks Construction
Street:		Permit Office:	
City, State, Zip:	Lake City , FL ,	Permit Number:	
Owner:	Statter Res	Jurisdiction:	
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

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?	No
6. Conditioned floor area above grade (ft²)	1610
Conditioned floor area below grade (ft²)	0

7. Windows(233.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.32	233.00 ft²
SHGC:	SHGC=0.22	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		2.883 ft.
Area Weighted Average SHGC:		0.220

8. Floor Types (1610.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1610.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1626.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1440.00 ft²
b. Frame - Wood, Adjacent	R=13.0	186.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1732.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	1732.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Main	6	322

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	33.0	SEER:15.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	33.0	HSPF:8.80

14. Hot water systems	
a. Electric	Cap: 40 gallons EF: 0.950
b. Conservation features None	
15. Credits	Pstat

Glass/Floor Area: 0.145

Total Proposed Modified Loads: 47.52

Total Baseline Loads: 48.75

PASS

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

PREPARED BY: Evan Beamsley

DATE: 2019-04-19

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 certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	190446 - Amelia Landing Lot	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1610	Lot #	15
Owner Name:	Statter Res	Total Stories:	1	Block/Subdivision:	Amelia Landing
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Bradley Franks Construction	Rotate Angle:	90	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	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	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1610	14490

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1610	14490	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	180 ft	0	1610 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	1801 ft²	0 ft²	Dark	0.92	No	0.9	No	0	26.6

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1610 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Blown	1732 ft²	0	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	N=>E	Exterior	Frame - Wood	Main	13	12	4	9		111.0 ft²		0.23	0.75	0
____	2	N=>E	Exterior	Frame - Wood	Main	13	15	8	9		141.0 ft²		0.23	0.75	0
____	3	E=>S	Exterior	Frame - Wood	Main	13	6	4	9		57.0 ft²		0.23	0.75	0
____	4	N=>E	Exterior	Frame - Wood	Main	13	10		9		90.0 ft²		0.23	0.75	0
____	5	E=>S	Exterior	Frame - Wood	Main	13	6	4	9		57.0 ft²		0.23	0.75	0
____	6	N=>E	Exterior	Frame - Wood	Main	13	13		9		117.0 ft²		0.23	0.75	0
____	7	E=>S	Exterior	Frame - Wood	Main	13	30	4	9		273.0 ft²		0.23	0.75	0
____	8	S=>W	Garage	Frame - Wood	Main	13	20	8	9		186.0 ft²		0.23	0.75	0
____	9	S=>W	Exterior	Frame - Wood	Main	13	11	2	9		100.5 ft²		0.23	0.75	0
____	10	W=>N	Exterior	Frame - Wood	Main	13	2	6	9		22.5 ft²		0.23	0.75	0
____	11	S=>W	Exterior	Frame - Wood	Main	13	4	6	9		40.5 ft²		0.23	0.75	0
____	12	E=>S	Exterior	Frame - Wood	Main	13	2	6	9		22.5 ft²		0.23	0.75	0
____	13	S=>W	Exterior	Frame - Wood	Main	13	15	0	9		135.0 ft²		0.23	0.75	0
____	14	W=>N	Exterior	Frame - Wood	Main	13	30	4	9		273.0 ft²		0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	N=>E	Insulated	Main	None	.4	1		6	8	6.7 ft²
_____	2	S=>W	Insulated	Main	None	.4	3		6	8	20 ft²
_____	3	S=>W	Insulated	Main	None	.4	2		6	8	13.3 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to As Built (rotated 90 degrees).

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N=>E	1	Metal	Low-E Double	Yes	0.32	0.22	N	15.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	2	N=>E	2	Metal	Low-E Double	Yes	0.32	0.22	N	30.0 ft²	7 ft 10 in	6 ft 0 in	None	None
_____	3	N=>E	2	Metal	Low-E Double	Yes	0.32	0.22	N	13.3 ft²	7 ft 10 in	1 ft 0 in	None	None
_____	4	N=>E	4	Metal	Low-E Double	Yes	0.32	0.22	N	30.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	5	N=>E	6	Metal	Low-E Double	Yes	0.32	0.22	N	20.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	6	E=>S	7	Metal	Low-E Double	Yes	0.32	0.22	N	30.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	7	E=>S	7	Metal	Low-E Double	Yes	0.32	0.22	N	10.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	8	E=>S	7	Metal	Low-E Double	Yes	0.32	0.22	N	6.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	9	S=>W	9	Metal	Low-E Double	Yes	0.32	0.22	N	36.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	10	S=>W	11	Metal	Low-E Double	Yes	0.32	0.22	N	6.7 ft²	8 ft 8 in	1 ft 0 in	None	None
_____	11	S=>W	13	Metal	Low-E Double	Yes	0.32	0.22	N	15.0 ft²	1 ft 6 in	1 ft 6 in	None	None
_____	12	W=>N	14	Metal	Low-E Double	Yes	0.32	0.22	N	6.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	13	W=>N	14	Metal	Low-E Double	Yes	0.32	0.22	N	15.0 ft²	1 ft 6 in	1 ft 6 in	None	None

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	446.16 ft²	446.16 ft²	64 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.0004	1690.5	92.81	174.54	.3169	7

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.8	33 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 15	33 kBtu/hr	990 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Main	0.95	40 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			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	322 ft²	Attic	80.5 ft²	Default Leakage	Main	(Default)	(Default)			1	1

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 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	66	66
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	66	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Main

Name: no

Signature: _____

Rating Compant: no

Date: _____

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 97

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

1. New home or, addition	1. New (From Plans)
2. Single-family or multiple-family	2. Single-family
3. No. of units (if multiple-family)	3. 1
4. Number of bedrooms	4. 3
5. Is this a worst case? (yes/no)	5. No
6. Conditioned floor area (sq. ft.)	6. 1610
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.320
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.220
c) Area	7c. 233.0
8. Skylights	
a) U-factor:(weighted average)	8a. NA
b) Solar Heat Gain Coefficient (SHGC)	8b. NA
9. Floor type, insulation level:	
a) Slab-on-grade (R-value)	9a. 0.0
b) Wood, raised (R-value)	9b.
c) Concrete, raised (R-value)	9c.
10. Wall type and insulation:	
A. Exterior:	
1. Wood frame (Insulation R-value)	10A1. 13.0
2. Masonry (Insulation R-value)	10A2.
B. Adjacent:	
1. Wood frame (Insulation R-value)	10B1. 13.0
2. Masonry (Insulation R-value)	10B2.
11. Ceiling type and insulation level	
a) Under attic	11a. 38.0
b) Single assembly	11b.
c) Knee walls/skylight walls	11c.
d) Radiant barrier installed	11d. No

12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Attic/Attic
13. Cooling system:	Capacity 33.0
a) Split system	SEER
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	15.0
14. Heating system:	Capacity 33.0
a) Split system heat pump	HSPF
b) Single package heat pump	HSPF
c) Electric resistance	COP
d) Gas furnace, natural gas	AFUE
e) Gas furnace, LPG	AFUE
f) Other	8.80
15. Water heating system	
a) Electric resistance	EF 0.95
b) Gas fired, natural gas	EF
c) Gas fired, LPG	EF
d) Solar system with tank	EF
e) Dedicated heat pump with tank	EF
f) Heat recovery unit	HeatRec%
g) Other	
16. HVAC credits claimed (Performance Method)	
a) Ceiling fans	
b) Cross ventilation	No
c) Whole house fan	No
d) Multizone cooling credit	
e) Multizone heating credit	
f) Programmable thermostat	Yes

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature:_____ Date:_____

Address of New Home: _____ City/FL Zip: Lake City, FL

Florida Building Code, Energy Conservation, 6th Edition (2017)
Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS: Lake City , FL , Permit Number:

MANDATORY REQUIREMENTS See individual code sections for full details.

SECTION R401 GENERAL

☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

Exception: Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

Exception: Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

☐ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/ WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

MANDATORY REQUIREMENTS - (Continued)

☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

Exceptions:

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

SECTION R403 SYSTEMS

R403.1 Controls.

☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that 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 C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.

☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the mai air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory).** Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.

☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

R403.5.6 Water heater efficiencies (Mandatory).

☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).

☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.

☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.

☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:

1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY [a] (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min.

a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

R403.7.1.2 Heating equipment capacity.

☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

☐ **R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

Exception: Low-voltage lighting.

R404.1.1 Lighting equipment (Mandatory) Fuel gas lighting systems shall not have continuously burning pilot lights.

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

Project Name:	190446 - Amelia Landing Lot 15	Builder Name:	Bradley Franks Construction	CHECK
Street:		Permit Office:		
City, State, Zip:	Lake City , FL ,	Permit Number:		
Owner:	Statter Res	Jurisdiction:		
Design Location:	FL, Gainesville			

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance
2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction:	Permit #:

Job Information

Builder: Bradley Franks Construction Community: Lot: 15

Address:

City: Lake City State: FL Zip:

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

○ **PRESCRIPTIVE METHOD-**The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

○ **PERFORMANCE or ERI METHOD-**The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2017 (Performance) or R406-2017 (ERI), section labeled as infiltration, sub-section ACH50.

ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 7.000

_____ x 60 ÷ 14490 = _____
CFM(50) Building Volume ACH(50)

☐ **PASS**

☐ When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

Method for calculating building volume:

○ Retrieved from architectural plans

● Code software calculated

○ Field measured and calculated

R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statues.*or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the*code official.* Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope.*

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

Testing Company

Company Name: _____ Phone: _____

I hereby verify that the above Air Leakage results are in accordance with the 2017 6th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

Residential System Sizing Calculation

Summary

Statter Res

Lake City, FL

Project Title:
190446 - Amelia Landing Lot 15

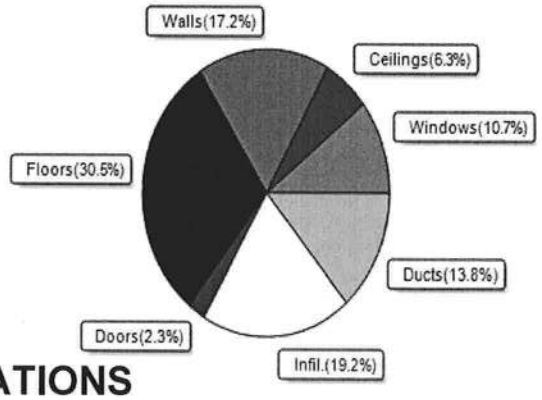
2019-04-19

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(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	**27899**	**Btuh**	**Total cooling load calculation**	**26205**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.3	33000	Sensible (SHR = 0.75)	118.3	24750
Heat Pump + Auxiliary(0.0kW)	118.3	33000	Latent	156.1	8250
			Total (Electric Heat Pump)	125.9	33000

WINTER CALCULATIONS

Winter Heating Load (for 1610 sqft)

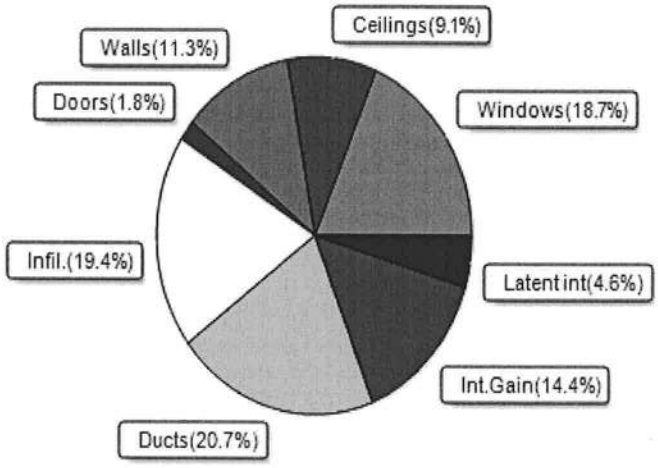
Load component			Load	
Window total	233	sqft	2982	Btuh
Wall total	1353	sqft	4804	Btuh
Door total	40	sqft	640	Btuh
Ceiling total	1732	sqft	1758	Btuh
Floor total	1610	sqft	8496	Btuh
Infiltration	122	cfm	5363	Btuh
Duct loss			3856	Btuh
Subtotal			**27899**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**27899**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1610 sqft)

Load component			Load	
Window total	233	sqft	4912	Btuh
Wall total	1353	sqft	2967	Btuh
Door total	40	sqft	480	Btuh
Ceiling total	1732	sqft	2374	Btuh
Floor total			0	Btuh
Infiltration	92	cfm	1911	Btuh
Internal gain			3780	Btuh
Duct gain			4497	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**20921**	**Btuh**
Latent gain(ducts)			914	Btuh
Latent gain(infiltration)			3170	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**5284**	**Btuh**
TOTAL HEAT GAIN			**26205**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: Evan Beamsley
DATE: 2019-04-19

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Statter Res

Lake City, FL

Project Title:
190446 - Amelia Landing Lot 15
Building Type: User

2019-04-19

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 40.0 F (TMY3 99%)

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.22	Metal	0.32	E	15.0	12.8	192 Btuh
2	2, NFRC 0.22	Metal	0.32	E	30.0	12.8	384 Btuh
3	2, NFRC 0.22	Metal	0.32	E	13.3	12.8	171 Btuh
4	2, NFRC 0.22	Metal	0.32	E	30.0	12.8	384 Btuh
5	2, NFRC 0.22	Metal	0.32	E	20.0	12.8	256 Btuh
6	2, NFRC 0.22	Metal	0.32	S	30.0	12.8	384 Btuh
7	2, NFRC 0.22	Metal	0.32	S	10.0	12.8	128 Btuh
8	2, NFRC 0.22	Metal	0.32	S	6.0	12.8	77 Btuh
9	2, NFRC 0.22	Metal	0.32	W	36.0	12.8	461 Btuh
10	2, NFRC 0.22	Metal	0.32	W	6.7	12.8	85 Btuh
11	2, NFRC 0.22	Metal	0.32	W	15.0	12.8	192 Btuh
12	2, NFRC 0.22	Metal	0.32	N	6.0	12.8	77 Btuh
13	2, NFRC 0.22	Metal	0.32	N	15.0	12.8	192 Btuh
	Window Total				233.0(sqft)		2982 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	96	3.55	341 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	91	3.55	323 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	57	3.55	202 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	60	3.55	213 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	57	3.55	202 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	97	3.55	344 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	227	3.55	806 Btuh
8	Frame - Wood	- Adj	(0.089)	13.0/0.0	166	3.55	589 Btuh
9	Frame - Wood	- Ext	(0.089)	13.0/0.0	65	3.55	229 Btuh
10	Frame - Wood	- Ext	(0.089)	13.0/0.0	23	3.55	80 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	21	3.55	73 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	23	3.55	80 Btuh
13	Frame - Wood	- Ext	(0.089)	13.0/0.0	120	3.55	426 Btuh
14	Frame - Wood	- Ext	(0.089)	13.0/0.0	252	3.55	895 Btuh
	Wall Total				1353(sqft)		4804 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)	7	16.0	107 Btuh
2	Insulated - Garage,	n	(0.400)	20	16.0	320 Btuh
3	Insulated - Exterior,	n	(0.400)	13	16.0	213 Btuh
	Door Total			40(sqft)		640Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shing	(0.025)	38.0/0.0	1732	1.0	1758 Btuh
	Ceiling Total			1732(sqft)		1758Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	180.0 ft(perim.)	47.2	8496 Btuh
	Floor Total			1610 sqft		8496 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Statter Res

Lake City, FL

Project Title:
190446 - Amelia Landing Lot 15
Building Type: User

2019-04-19

				Envelope Subtotal:			18680 Btuh
Infiltration	Type Natural	Wholehouse	ACH 0.51	Volume(cuft) 14490	Wall Ratio 1.00	CFM= 122.5	5363 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)				(DLM of 0.160)		3856 Btuh
All Zones				**Sensible Subtotal All Zones**			**27899 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	27899 Btuh 0 Btuh 27899 Btuh

EQUIPMENT

1. Electric Heat Pump	#	33000 Btuh

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

Statter Res

Project Title:
190446 - Amelia Landing Lot 15

Lake City, FL

2019-04-19

Reference City: Gainesville, FL Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

	Type*					Overhang		Window Area(sqft)			HTM		Load
Window	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.22, 0.32		No	No	E	1.5ft.	1.5ft.	15.0	0.0	15.0	11	27	409 Btuh
2	2 NFRC	0.22, 0.32		No	No	E	7.8ft.	6.0ft.	30.0	3.0	27.0	11	27	769 Btuh
3	2 NFRC	0.22, 0.32		No	No	E	7.8ft.	1.0ft.	13.3	11.0	2.3	11	27	181 Btuh
4	2 NFRC	0.22, 0.32		No	No	E	1.5ft.	1.5ft.	30.0	0.0	30.0	11	27	819 Btuh
5	2 NFRC	0.22, 0.32		No	No	E	1.5ft.	1.5ft.	20.0	0.0	20.0	11	27	546 Btuh
6	2 NFRC	0.22, 0.32		No	No	S	1.5ft.	1.5ft.	30.0	30.0	0.0	11	12	321 Btuh
7	2 NFRC	0.22, 0.32		No	No	S	1.5ft.	1.5ft.	10.0	10.0	0.0	11	12	107 Btuh
8	2 NFRC	0.22, 0.32		No	No	S	1.5ft.	1.5ft.	6.0	6.0	0.0	11	12	64 Btuh
9	2 NFRC	0.22, 0.32		No	No	W	1.5ft.	1.5ft.	36.0	0.0	36.0	11	27	982 Btuh
10	2 NFRC	0.22, 0.32		No	No	W	8.7ft.	1.0ft.	6.7	6.2	0.5	11	27	79 Btuh
11	2 NFRC	0.22, 0.32		No	No	W	1.5ft.	1.5ft.	15.0	0.0	15.0	11	27	409 Btuh
12	2 NFRC	0.22, 0.32		No	No	N	1.5ft.	1.0ft.	6.0	0.0	6.0	11	11	64 Btuh
13	2 NFRC	0.22, 0.32		No	No	N	1.5ft.	1.5ft.	15.0	0.0	15.0	11	11	161 Btuh
	Window Total								233 (sqft)					4912 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	96.0	2.3	217 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	91.0	2.3	206 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	57.0	2.3	129 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	60.0	2.3	136 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.0	57.0	2.3	129 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.0	97.0	2.3	220 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.0	227.0	2.3	514 Btuh
8	Frame - Wood - Adj	0.09	13.0/0.0	166.0	1.7	280 Btuh
9	Frame - Wood - Ext	0.09	13.0/0.0	64.5	2.3	146 Btuh
10	Frame - Wood - Ext	0.09	13.0/0.0	22.5	2.3	51 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.0	20.5	2.3	46 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.0	22.5	2.3	51 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.0	120.0	2.3	272 Btuh
14	Frame - Wood - Ext	0.09	13.0/0.0	252.0	2.3	570 Btuh
	Wall Total			1353 (sqft)		2967 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	6.7	12.0	80 Btuh
2	Insulated - Garage	20.0	12.0	240 Btuh
3	Insulated - Exterior	13.3	12.0	160 Btuh
	Door Total	40 (sqft)		480 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	0.025	38.0/0.0	1732.0	1.37	2374 Btuh
	Ceiling Total			1732 (sqft)		2374 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1610 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1610.0 (sqft)		0 Btuh

	Envelope Subtotal:	10733 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Statter Res

Lake City, FL

Project Title: 190446 - Amelia Landing Lot 15

Climate:FL_GAINESVILLE_REGIONAL_A

2019-04-19

Infiltration	Type Natural	Average ACH 0.38	Volume(cuft) 14490	Wall Ratio 1		CFM= 91.8	Load 1911	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230		+	Appliance 2400	Load 3780	Btuh
					Sensible Envelope Load:		16423	Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.274)		4497	Btuh
					Sensible Load All Zones		**20921**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Statter Res

Project Title: 190446 - Amelia Landing Lot 15

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL

2019-04-19

WHOLE HOUSE TOTALS

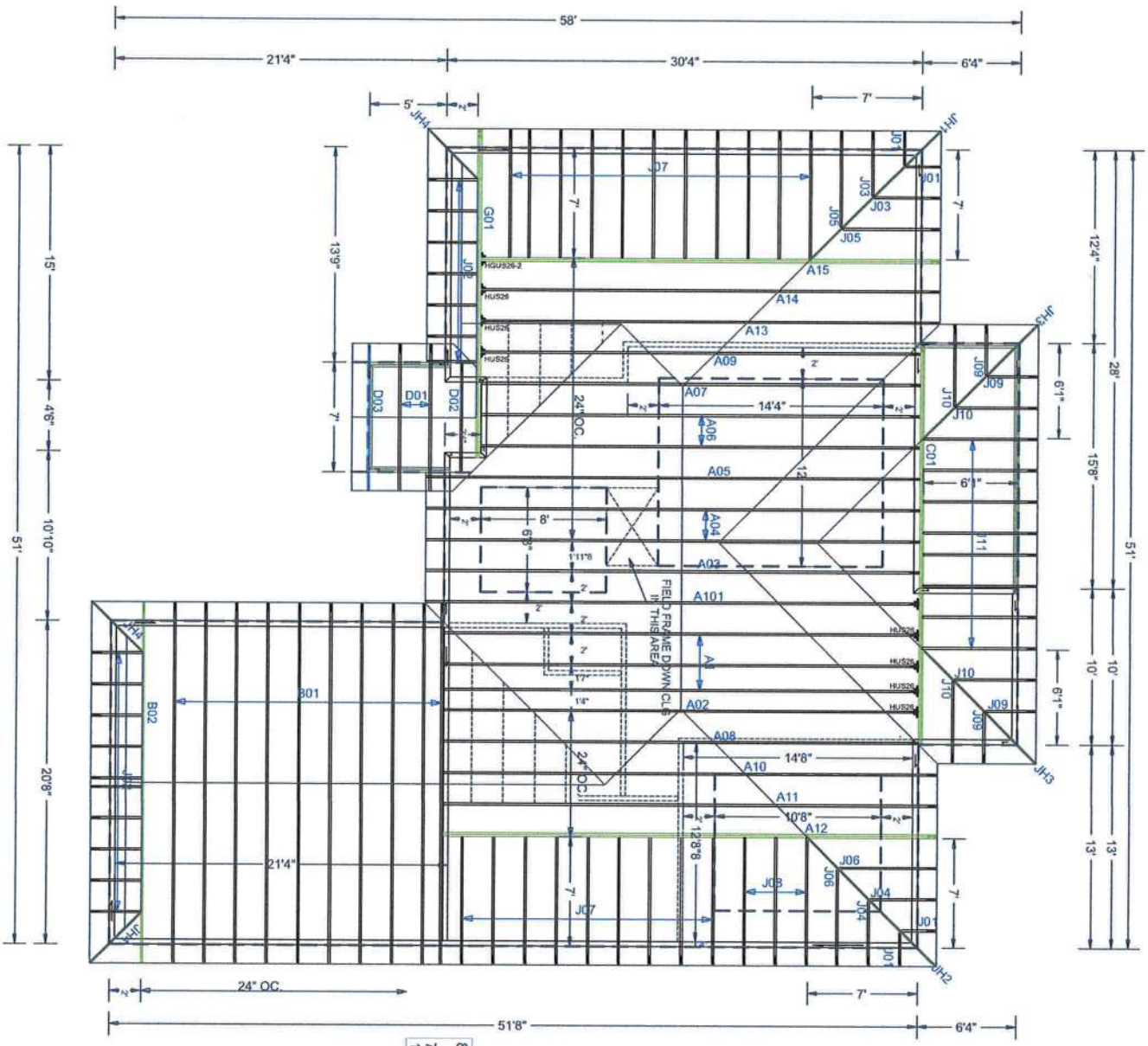
Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**16423 Btuh**
	Sensible Duct Load	4497 Btuh
	Total Sensible Zone Loads	**20921 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**20921 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	3170 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	914 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5284 Btuh**
	TOTAL GAIN	**26205 Btuh**

EQUIPMENT

1. Central Unit	#	33000 Btuh

*Key: Window types (Panes - 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(½))
(Ornt - compass orientation)

Version 8



8 - TRUSS TO TRUSS CONNECTIONS:
7 - HUS26
1 = HGUS26-2

ROOF PITCH: 7/12
CLG PITCH: 12" VERTICIAL TRAY
MASTER BEDROOM
GREAT ROOM & DINING

OVERHANG: 14 1/2" PI.
LOADING: 40 PSF.
WIND LOAD: 130 MPH
EXPOSURE: C

EXT WALLS: 2 X 4 X 9

DATE: 11/2/18

W.B. Howland Truss Co.
610 11TH STREET SW
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (Fax)
howlandtruss@gmail.com

PAGE NO:	JOB NO:		
1 OF 1	18-2632	Job Name: AMELIA LOT 8 Customer: BRADLEY FRANKS Designer: Bob Glover ADDRESS: 257 SW HUDSON LN	JOB #: 18-2632

SALESMAN: DB
: <Not Found>

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COA #0 278
11/05/2018

ALPINE
AN ITW COMPANY

Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 18-2632
Job Description: AMELIA LOT 8	
Address: 257 SW HUDSON LN , Lake City, FL 32025	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*View Version:* FBC 2017 RES *JRef #:* 1WfQ2150001
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130	*Roof Load (pdf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 37 truss drawing(s) and 3 detail(s).

Item	Seal #	Truss
1	309.18.0904.10857	A01
3	309.18.0904.20873	A03
5	309.18.0904.32803	A05
7	309.18.0904.42567	A07
9	309.18.0904.49710	A09
11	309.18.0904.54817	A11
13	309.18.0905.11907	A13
15	309.18.0905.18397	A15
17	309.18.0905.53267	B02
19	309.18.0906.09537	D01
21	309.18.0906.22313	D03
23	309.18.0917.55780	J01
25	309.18.0917.59917	J03
27	309.18.0918.05450	J05

Item	Seal #	Truss
2	309.18.0904.12490	A02
4	309.18.0904.29413	A04
6	309.18.0904.35947	A06
8	309.18.0904.45960	A08
10	309.18.0904.52383	A10
12	309.18.0905.08583	A12
14	309.18.0905.14550	A14
16	309.18.0905.20330	B01
18	309.18.0906.06213	C01
20	309.18.0906.13157	D02
22	309.18.0917.53770	G01
24	309.18.0917.57580	J02
26	309.18.0918.03017	J04
28	309.18.0918.08470	J06

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COA #0 278
11/05/2018

Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	*Job Number:* 18-2632
Job Description: AMELIA LOT 8	
Address: 257 SW HUDSON LN , Lake City, FL 32025	

Item	Seal #	Truss
29	309.18.0918.10417	J07
31	309.18.0918.14937	J09
33	309.18.0918.26880	J11
35	309.18.0918.41470	JH2
37	309.18.0918.54617	JH4

Item	Seal #	Truss
30	309.18.0918.12607	J08
32	309.18.0918.17513	J10
34	309.18.0918.34840	JH1
36	309.18.0918.46280	JH3

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:
The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AF&PA. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:
Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:
The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:
Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

General Notes (continued)

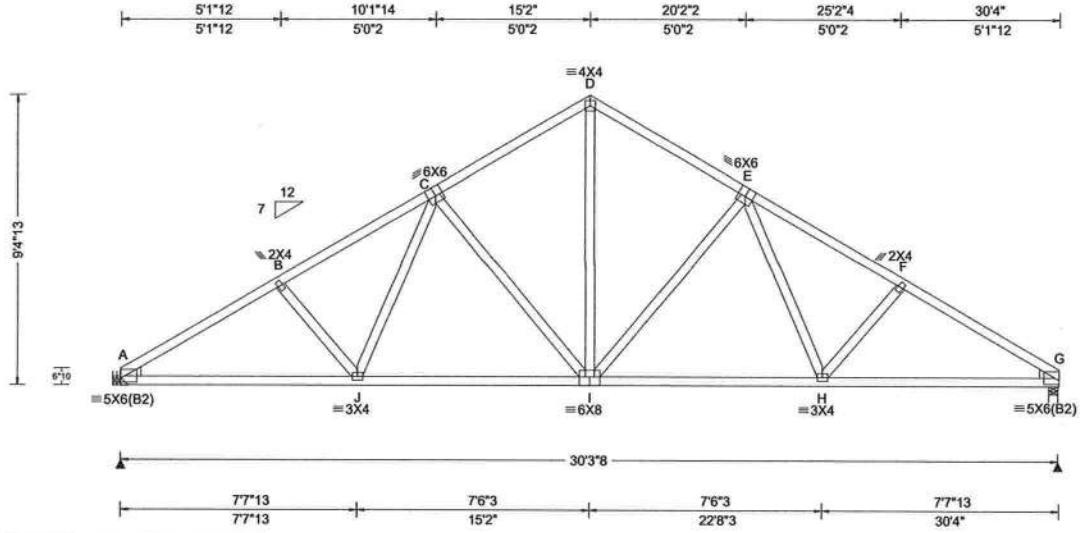
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the immediate vertical Deflection, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:
1. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

SEQN: 592875 T32 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A01	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.10857 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.114	I	999	240
VERT(CL): 0.219	I	999	180
HORZ(LL): 0.048	H	-	-
HORZ(TL): 0.092	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.599
Max BC CSI: 0.902
Max Web CSI: 0.645

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1362	/-	/-	/722	/15	/226
G	1374	/-	/-	/728	/15	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
G Brg Width = 3.5 Min Req = 1.5
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	424	-2207	D - E	374	-1467
B - C	433	-2014	E - F	429	-1994
C - D	374	-1468	F - G	419	-2193

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	1818	-300	I - H	1523	-190
J - I	1537	-192	H - G	2724	-425

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	380	-76	D - I	1080	-247
C - I	178	-534	I - E	174	-511

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2 :B2 2x4 SP 2400f-2.0E:
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Hangers / Ties

Hanger support required, by others.

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-4-13.

COA #0278

11/05/2018

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

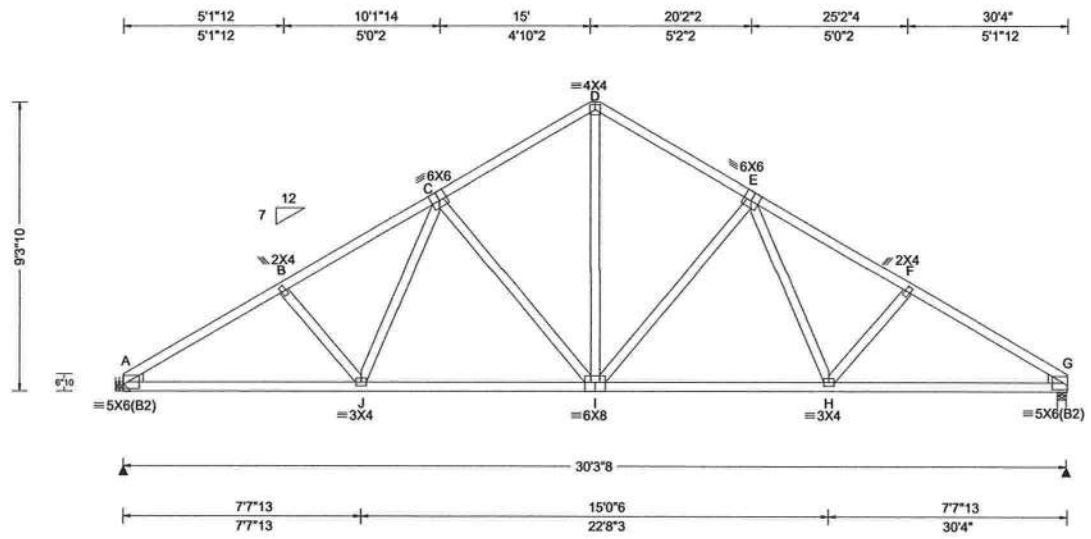
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise,top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs 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-Z for standard plate positions.

Alpine, a division of 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 and 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/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592883 T33 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A02	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.12490 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.114	I	999	240
VERT(CL): 0.219	I	999	180
HORZ(LL): 0.048	H	-	-
HORZ(TL): 0.092	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.599
Max BC CSI: 0.902
Max Web CSI: 0.645

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1362	/-	/-	/719	/15	/225
G	1374	/-	/-	/725	/16	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
G Brg Width = 3.5 Min Req = 1.5
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	423	-2207	D - E	372	-1467
B - C	432	-2014	E - F	427	-1994
C - D	372	-1468	F - G	418	-2193

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	1818	-299	I - H	1523	-189
J - I	1537	-192	H - G	2724	-423

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	380	-77	D - I	1080	-248
C - I	179	-534	I - E	175	-511

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2 :B2 2x4 SP 2400f-2.0E:
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Hangers / Ties

Hanger support required, by others.

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-3-10.

COA #0278

11/05/2018

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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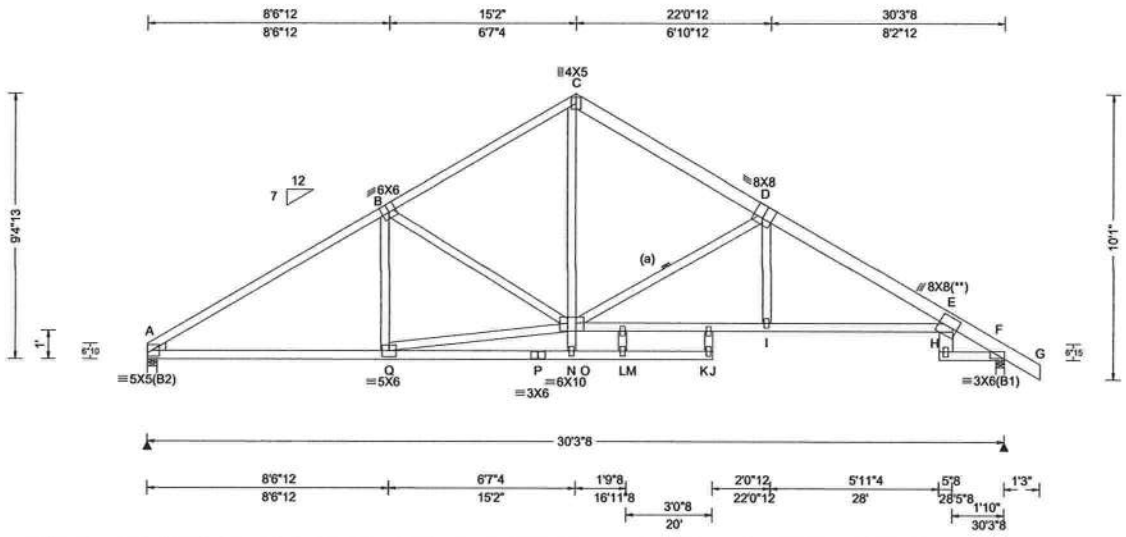
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592886 T25 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A03	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.20873 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.294	H	999	240
VERT(CL): 0.606	H	595	180
HORZ(LL): 0.222	H	-	-
HORZ(TL): 0.458	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.868
Max BC CSI: 0.795
Max Web CSI: 0.577

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1254	/-	/-	/722	/14	/250
F	1350	/-	/-	/796	/20	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
F Brg Width = 3.5 Min Req = 1.6
Bearings A & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	399	-1915	D - E	433	-2202
B - C	380	-1512	E - F	196	-704
C - D	369	-1527			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	1539	-221	K - I	1982	-282
N - L	1962	-279	I - E	1986	-283
L - K	1958	-278			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - N	182	-388	N - C	1069	-241
Q - N	1515	-217	N - D	253	-910

Lumber

Top chord 2x4 SP #2 :T3 2x6 SP #2:
:T4 2x6 SP 2400f-2.0E:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W9 2x6 SP #2:
:Lt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-4-13.

Note: Laterally brace bottom chord above filler at 2'0" O.C. Max. including a lateral brace at chord ends.

COA #6278

11/05/2018

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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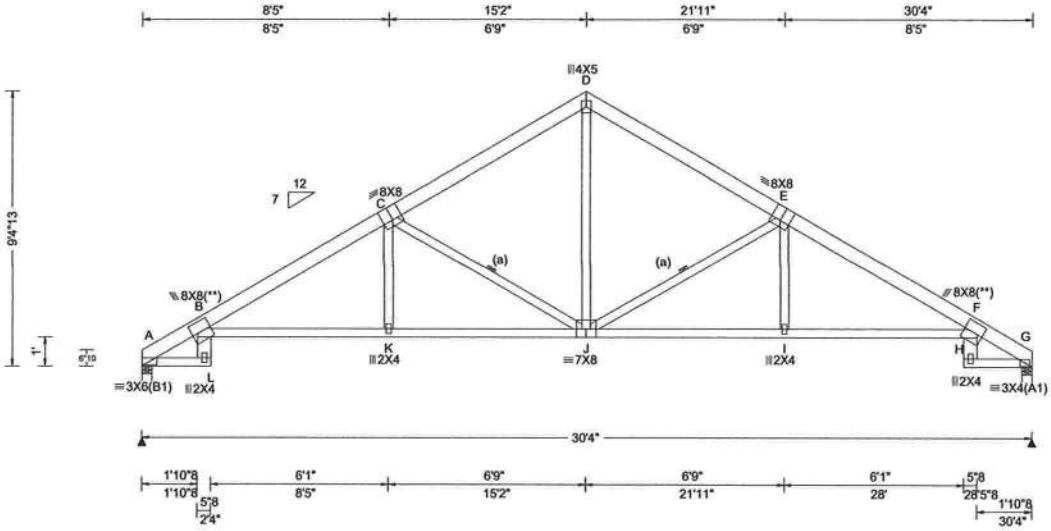
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592850 T20 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A04	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.29413 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.328	L	999	240
VERT(CL): 0.678	H	531	180
HORZ(LL): 0.406	H	-	-
HORZ(TL): 0.844	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.745
Max BC CSI: 0.753
Max Web CSI: 0.433

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1261	/-	/-	/725	/14	/226
G	1261	/-	/-	/725	/14	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings A & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	166	-711	D - E	385	-1528
B - C	450	-2231	E - F	450	-2231
C - D	385	-1528	F - G	166	-711

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	2021	-314	J - I	2017	-314
K - J	2017	-313	I - F	2021	-314

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	261	-966	J - E	261	-966
D - J	1136	-250			

Lumber

Top chord 2x6 SP 2400f-2.0E :T2, T3 2x6 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W1, W7 2x6 SP #2:
:W2 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-4-13.

COA #0278

11/05/2018

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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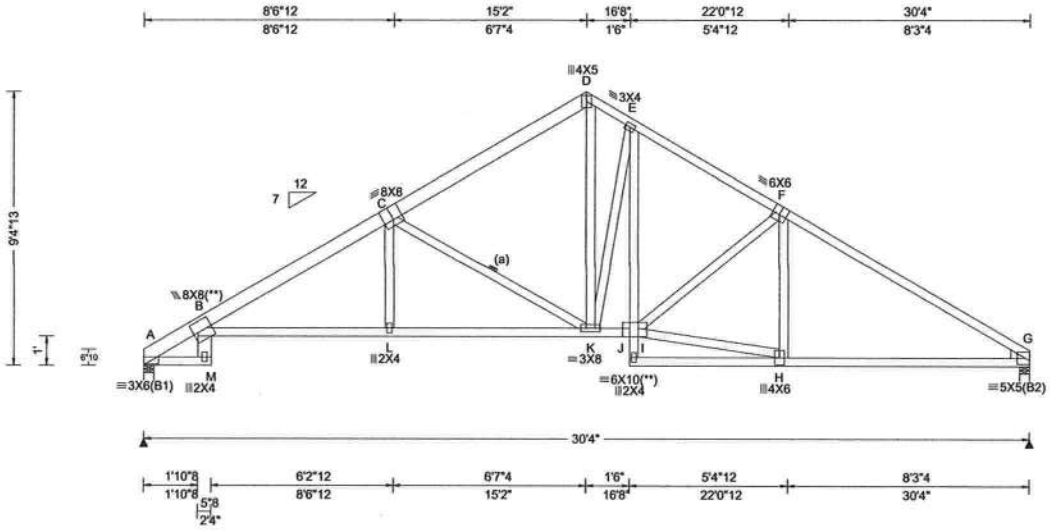
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592856 T22 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A05	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.32803 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.311	M	999	240
VERT(CL): 0.647	M	558	180
HORZ(LL): 0.222	H	-	-
HORZ(TL): 0.462	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.910
Max BC CSI: 0.770
Max Web CSI: 0.670

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1264	/-	/-	/725	/14	/226
G	1258	/-	/-	/722	/14	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings A & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	166	-713	D - E	396	-1381
B - C	454	-2238	E - F	409	-1652
C - D	382	-1522	F - G	398	-1916

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	2027	-317	K - I	1331	-127
L - K	2023	-317	H - G	1539	-241

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	270	-979	E - I	631	-152
D - K	1150	-297	I - H	1541	-241
K - E	188	-650			

Lumber

Top chord 2x4 SP #2 :T1 2x6 SP 2400f-2.0E:
:T2 2x6 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W1 2x6 SP #2:
:Rt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-4-13.

COA #0278

11/05/2018

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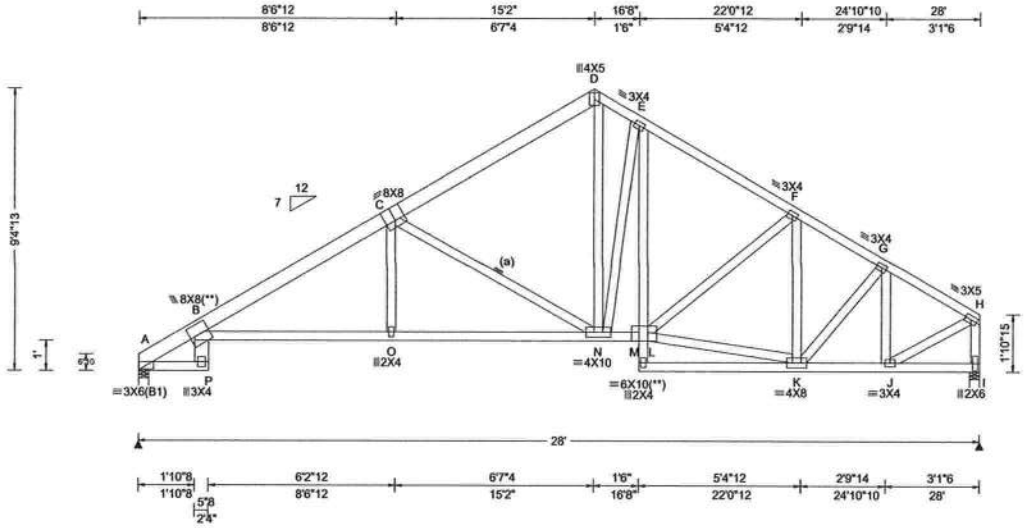
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592862 T19 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A06	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.35947 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.280	P	999	240
VERT(CL): 0.583	P	573	180
HORZ(LL): 0.194	I	-	-
HORZ(TL): 0.404	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.686
Max BC CSI: 0.747
Max Web CSI: 0.529

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1170	/-	/-	/680	/12	/217
I	1158	/-	/-	/644	/14	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.5
Bearings A & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	123	-657	E - F	356	-1378
B - C	422	-2038	F - G	322	-1305
C - D	346	-1319	G - H	248	-1121
D - E	375	-1202			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - O	1846	-334	N - L	1119	-134
O - N	1843	-333	K - J	956	-182

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - N	278	-977	G - J	103	-447
D - N	1013	-294	J - H	1044	-195
N - E	183	-497	H - I	246	-1128
L - K	1097	-182			

Lumber

Top chord 2x6 SP 2400f-2.0E :T3 2x4 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W13 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-4-13.

COA #0278

11/05/2018

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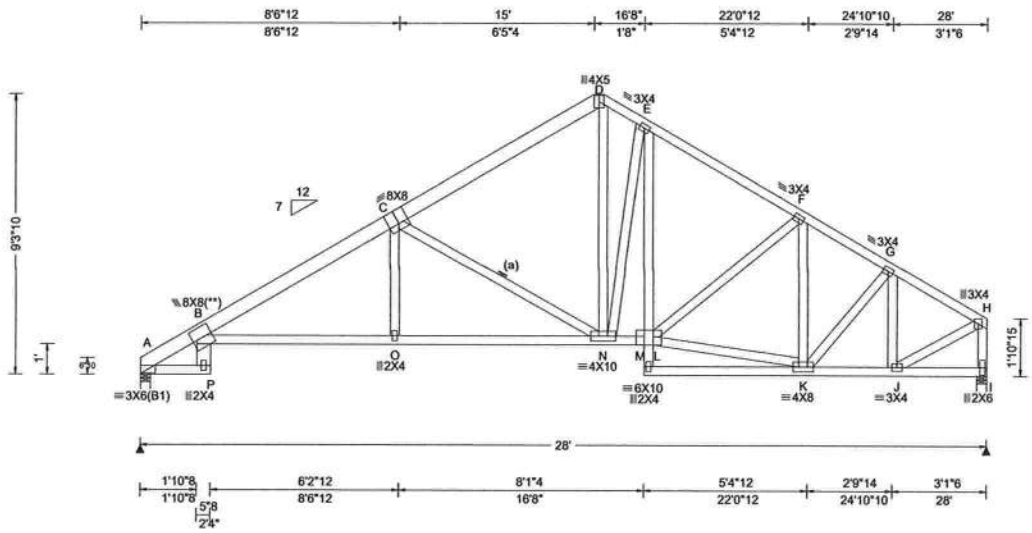
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592869 T18 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A07	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.42567 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.280	P	999	240
VERT(CL): 0.583	P	573	180
HORZ(LL): 0.194	I	-	-
HORZ(TL): 0.404	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.686
Max BC CSI: 0.747
Max Web CSI: 0.529

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1170	/-	/-	/677	/12	/215
I	1158	/-	/-	/641	/15	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.5
Bearings A & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	123	-657	E - F	357	-1378
B - C	422	-2038	F - G	322	-1305
C - D	345	-1319	G - H	248	-1121
D - E	374	-1202			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - O	1846	-335	N - L	1119	-134
O - N	1843	-334	K - J	956	-182

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - N	279	-977	G - J	103	-447
D - N	1013	-296	J - H	1044	-196
N - E	184	-497	H - I	246	-1128
L - K	1097	-182			

Lumber

Top chord 2x6 SP 2400f-2.0E :T3 2x4 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W13 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-3-10.

COA #6278

11/05/2018

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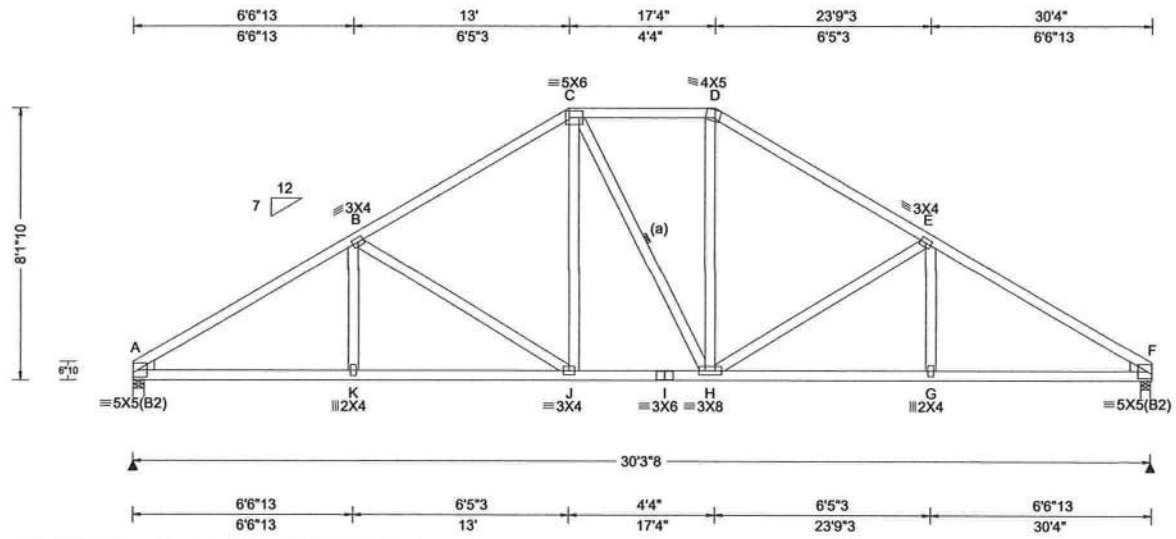
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592897 T35 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A08	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.45960 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.085	J	999	240
VERT(CL): 0.177	J	999	180
HORZ(LL): 0.039	G	-	-
HORZ(TL): 0.080	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.553
Max BC CSI: 0.773
Max Web CSI: 0.564

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1256	/-	/-	/724	/210	/194
F	1266	/-	/-	/729	/212	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
F Brg Width = 3.5 Min Req = 1.5
Bearings A & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	451	-1985	D - E	419	-1493
B - C	421	-1499	E - F	443	-1964
C - D	404	-1201			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	1620	-310	I - H	1202	-165
K - J	1619	-310	H - G	1597	-306
J - I	1202	-165	G - F	2396	-436

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	177	-496	H - D	412	-90
C - J	408	-80	H - E	172	-477

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2 :B2 2x4 SP 2400f-2.0E:
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 8-1-10.

COA #0278

11/05/2018

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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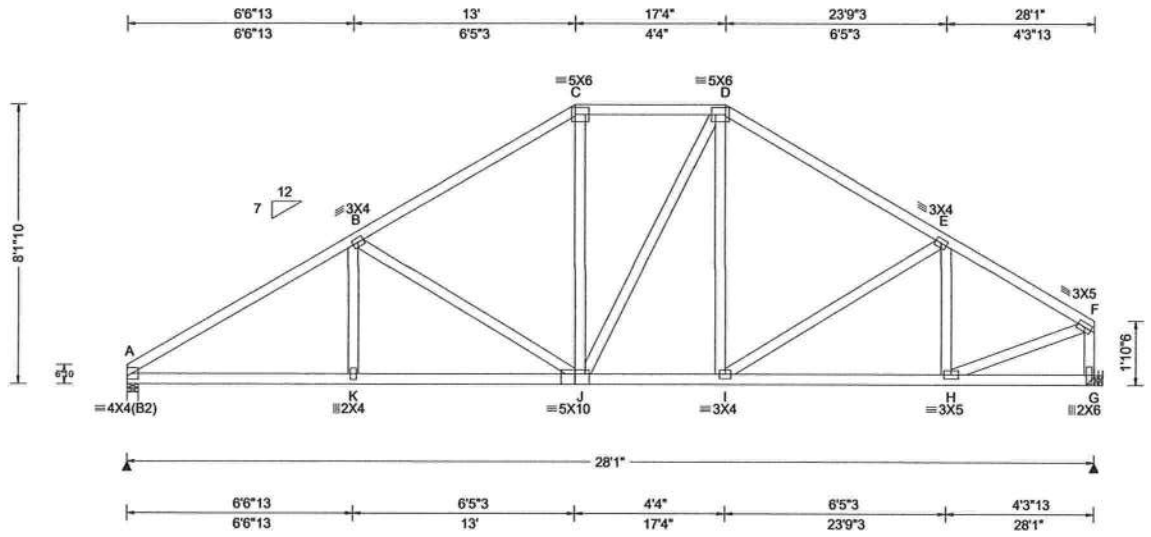
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592930 T9 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A09	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.49710 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.061	K	999	240
VERT(CL): 0.126	K	999	180
HORZ(LL): 0.027	G	-	-
HORZ(TL): 0.056	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.514
Max BC CSI: 0.697
Max Web CSI: 0.579

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1170	/-	/-	/683	/194	/185
G	1165	/-	/-	/650	/196	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	413	-1829	D - E	370	-1276
B - C	381	-1329	E - F	316	-1313
C - D	372	-1060			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	1487	-318	J - I	1010	-161
K - J	1485	-319	I - H	1107	-231

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	179	-510	F - G	272	-1135
H - F	1154	-237			

Lumber

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

Hangers / Ties

Hanger support required, by others.

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 8-1-10.

COA #0278

11/05/2018

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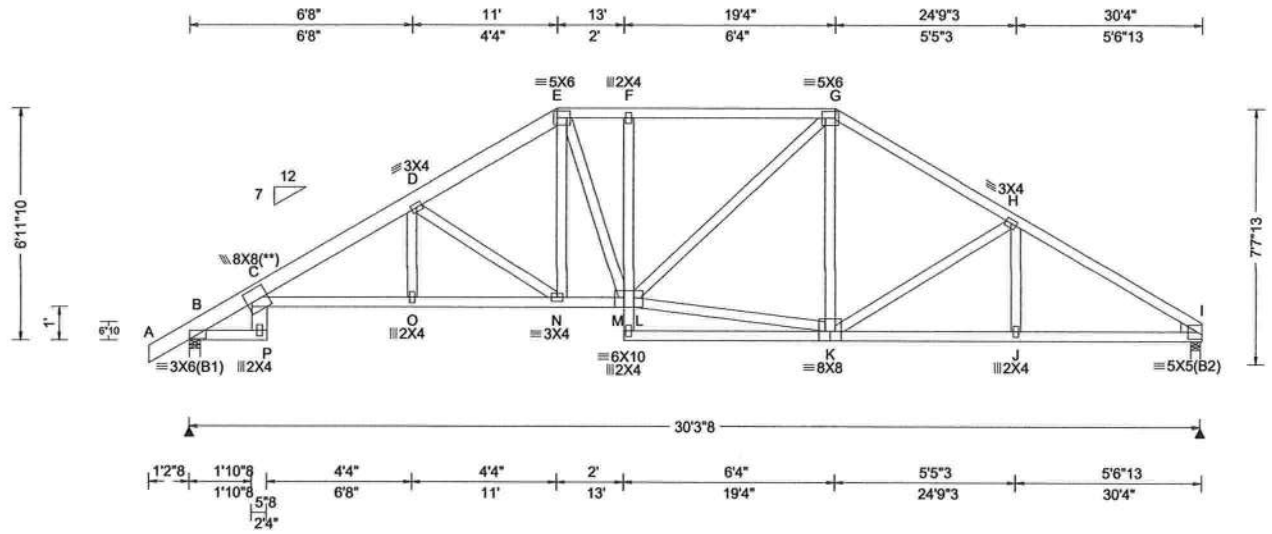
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592891 T38 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A10	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.52383 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.244	P	999	240
VERT(CL): 0.504	P	714	180
HORZ(LL): 0.179	J	-	-
HORZ(TL): 0.370	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.725
Max BC CSI: 0.583
Max Web CSI: 0.497

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1343	/-	/-	/790	/234	/187
I	1261	/-	/-	/724	/213	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
I Brg Width = 3.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	181	-706	F - G	492	-1678
C - D	558	-2420	G - H	447	-1616
D - E	504	-1918	H - I	457	-1957
E - F	492	-1683			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - O	2260	-450	K - J	1600	-324
O - N	2255	-449	J - I	2407	-469
N - L	1536	-250			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - N	245	-886	L - K	1305	-214
E - N	489	-116	L - G	474	-98
E - L	413	-116			

Lumber

Top chord 2x4 SP #2 :T1 2x6 SP 2400f-2.0E:
Bot chord 2x4 SP #2 :B4 2x4 SP 2400f-2.0E:
Webs 2x4 SP #3 :W1 2x6 SP #2:
:Rt Wedge 2x4 SP #3:

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6-11-10.

COA #0278

11/05/2018

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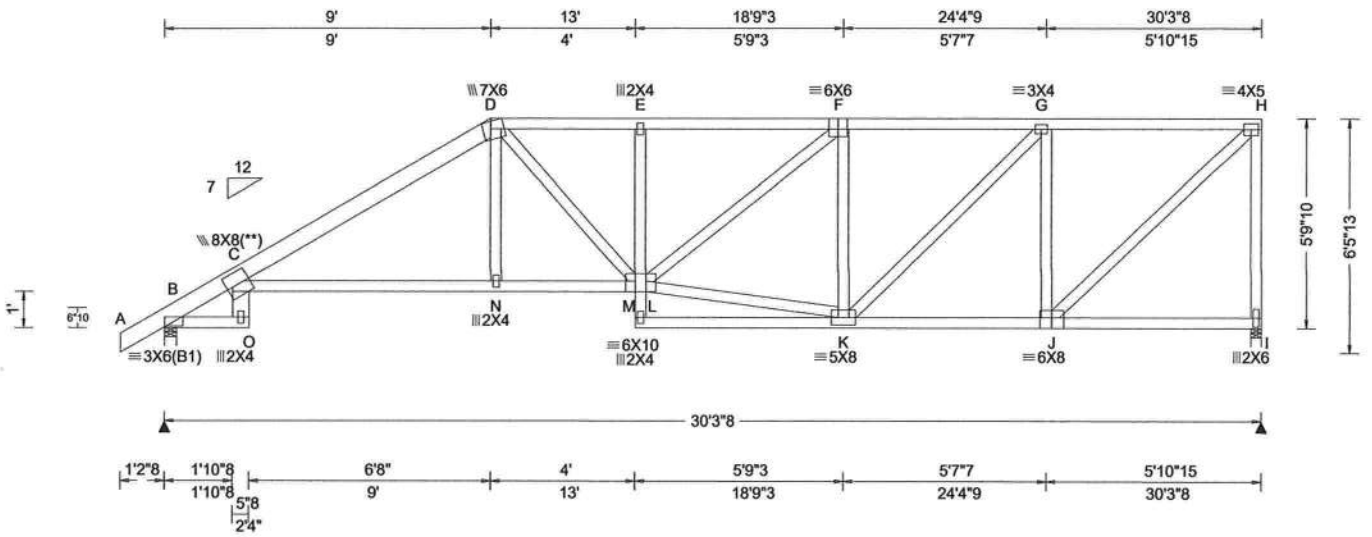
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592902 T23 HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A11	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0904.54817 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.339	O	999	240
VERT(CL): 0.700	O	516	180
HORZ(LL): 0.227	J	-	-
HORZ(TL): 0.469	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.726
Max BC CSI: 0.774
Max Web CSI: 0.640

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1349	/-	/-	/807	/226	/169
I	1251	/-	/-	/639	/243	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
I Brg Width = 3.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	45	-709	E - F	582	-2115
C - D	502	-2105	F - G	437	-1648
D - E	586	-2128	G - H	290	-1098

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - N	1868	-536	K - J	1147	-306
N - L	1867	-534			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - L	382	-88	K - G	711	-190
L - F	573	-178	G - J	299	-925
L - K	1645	-441	J - H	1519	-402
F - K	243	-714	H - I	351	-1204

Lumber

Top chord 2x6 SP 2400f-2.0E :T2 2x4 SP 2400f-2.0E:
:T3 2x4 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W11 2x4 SP #2:

Plating Notes

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-9-10.

COA #0278

11/05/2018

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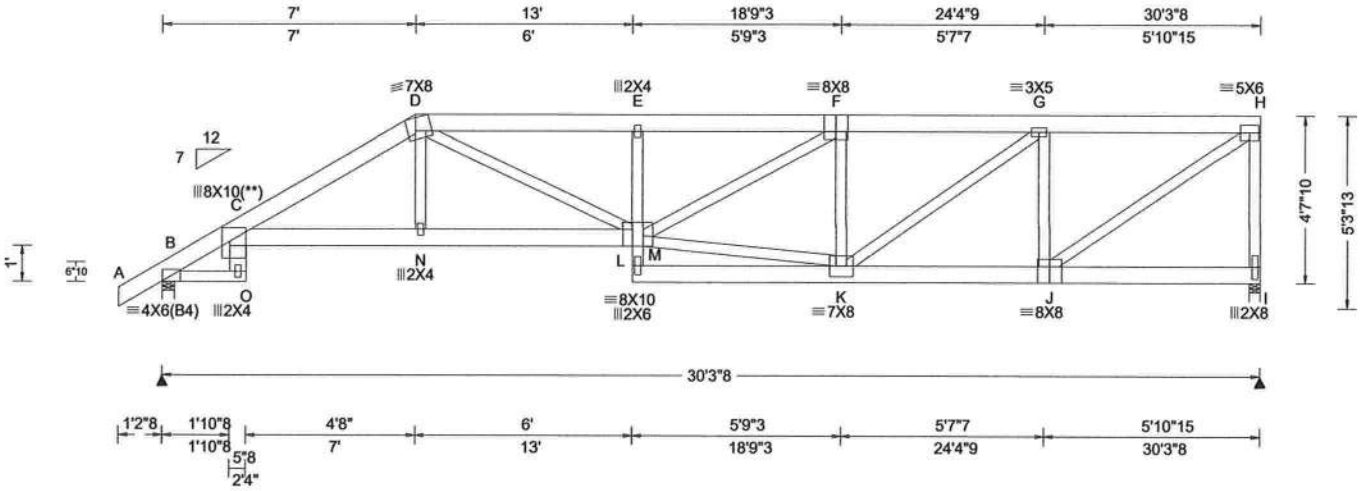
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592928 T16 HIPM FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A12	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0905.08583 KD / WHK 11/05/2018

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.03 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.338	O	999	240
VERT(CL): 0.681	O	531	180
HORZ(LL): 0.248	J	-	-
HORZ(TL): 0.499	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.905
Max BC CSI: 0.664
Max Web CSI: 0.859

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	2914 /-	/-	/-	/674	/-
I	3127 /-	/-	/-	/731	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.7
I Brg Width = 3.5 Min Req = 1.8
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	195	-838	E - F	911	-3865
C - D	726	-3118	F - G	641	-2760
D - E	918	-3893	G - H	426	-1827

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - N	2936	-677	K - J	1903	-448
N - L	2943	-676			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - L	1068	-269	K - G	1078	-242
L - F	1224	-297	G - J	329	-1086
L - K	2734	-635	J - H	2256	-525
F - K	295	-975	H - I	371	-1477

Lumber

Top chord 2x6 SP #2 :T1 2x6 SP M-31:
Bot chord 2x6 SP #2 :B1 2x4 SP #2:
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W5, W11 2x4 SP #2:

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	63 plf at	-1.21 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	30.29
BC: From	5 plf at	-1.21 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	30.29

TC: 245 lb Conc. Load at 7.03
TC: 197 lb Conc. Load at 9.06,11.06
TC: 200 lb Conc. Load at 13.06,15.06,17.06,19.06 21.06,23.06,25.06,27.06,29.06
BC: 517 lb Conc. Load at 7.03
BC: 124 lb Conc. Load at 9.06,11.06
BC: 134 lb Conc. Load at 13.06,15.06,17.06,19.06 21.06,23.06,25.06,27.06,29.06

Plating Notes

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

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-7-10.

It is the responsblity 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.

COA #0278

11/05/2018

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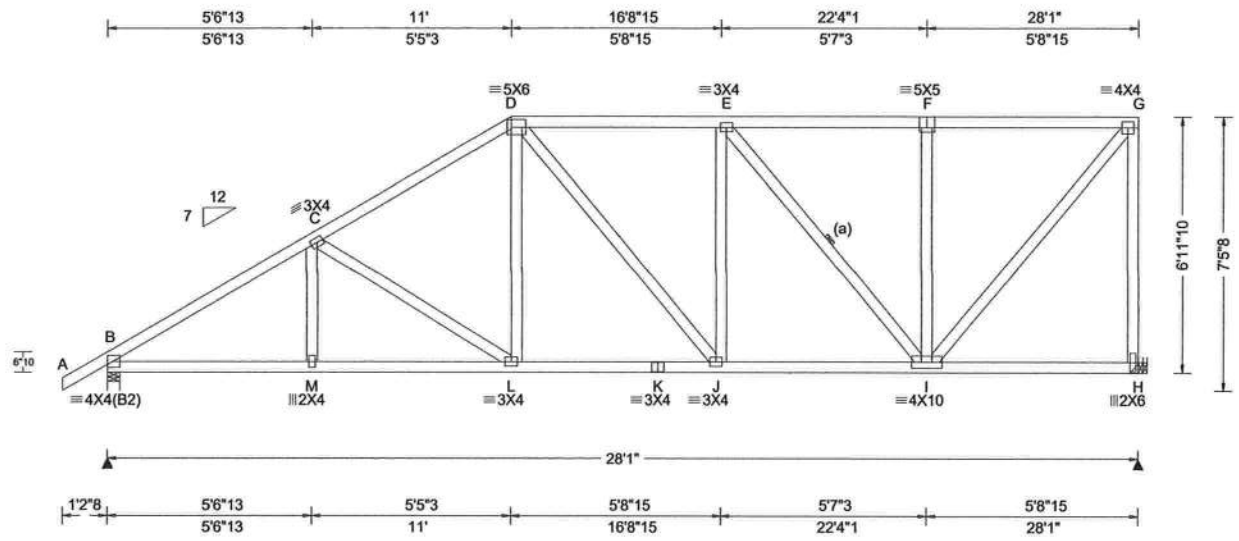
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592932 T7 HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A13	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0905.11907 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.068	L	999	240
VERT(CL): 0.140	L	999	180
HORZ(LL): 0.027	I	-	-
HORZ(TL): 0.055	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.555
Max BC CSI: 0.783
Max Web CSI: 0.967

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1254	/-	/-	/777	/200	/203
H	1163	/-	/-	/611	/234	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	369	-1828	E - F	228	-833
C - D	359	-1463	F - G	228	-833
D - E	335	-1203			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	1489	-459	K - J	1193	-352
M - L	1488	-460	J - I	1198	-334
L - K	1193	-352			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - L	380	-58	I - G	1277	-350
E - I	173	-578	G - H	336	-1116
F - I	157	-392			

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

Bracing
(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties
Hanger support required, by others.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6-11-10.

COA #0278
11/05/2018

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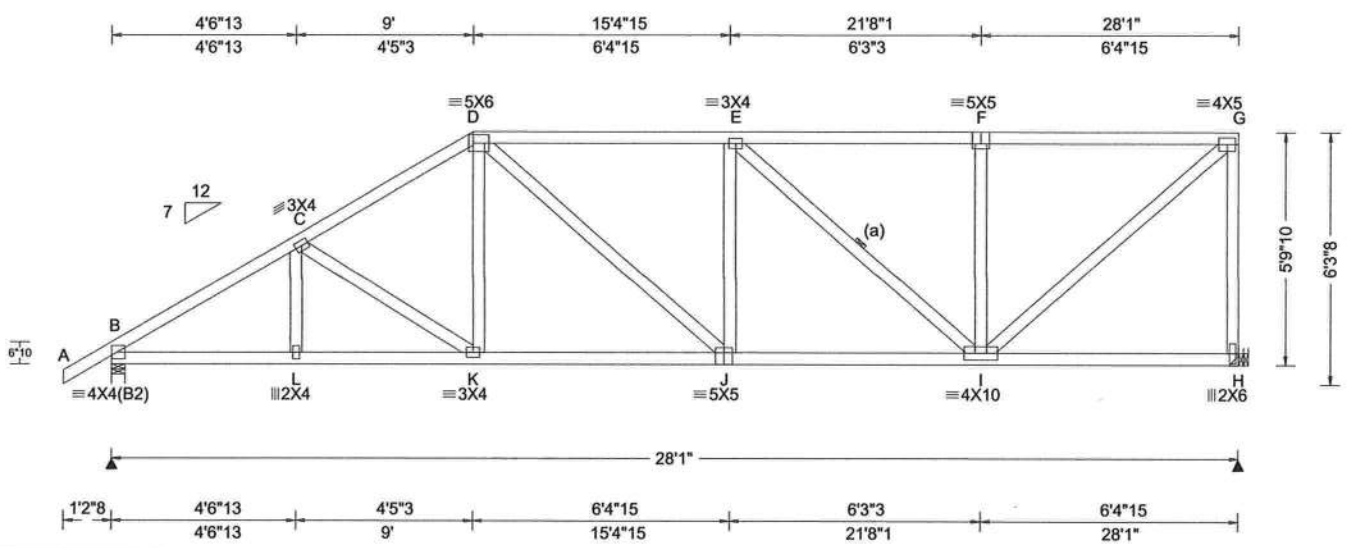
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592934 T6 HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A14	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0905.14550 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.074	J	999	240
VERT(CL): 0.152	J	999	180
HORZ(LL): 0.028	I	-	-
HORZ(TL): 0.057	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.637
Max BC CSI: 0.811
Max Web CSI: 0.663

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1254	/-	/-	/759	/209	/170
H	1163	/-	/-	/598	/228	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	394	-1826	E - F	295	-1101
C - D	399	-1588	F - G	295	-1101
D - E	408	-1503			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1491	-455	K - J	1323	-383
L - K	1491	-456	J - I	1505	-410

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - I	162	-544	I - G	1452	-389
F - I	173	-438	G - H	331	-1111

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

Bracing
(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties
Hanger support required, by others.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5-9-10.

COA #0278

11/05/2018

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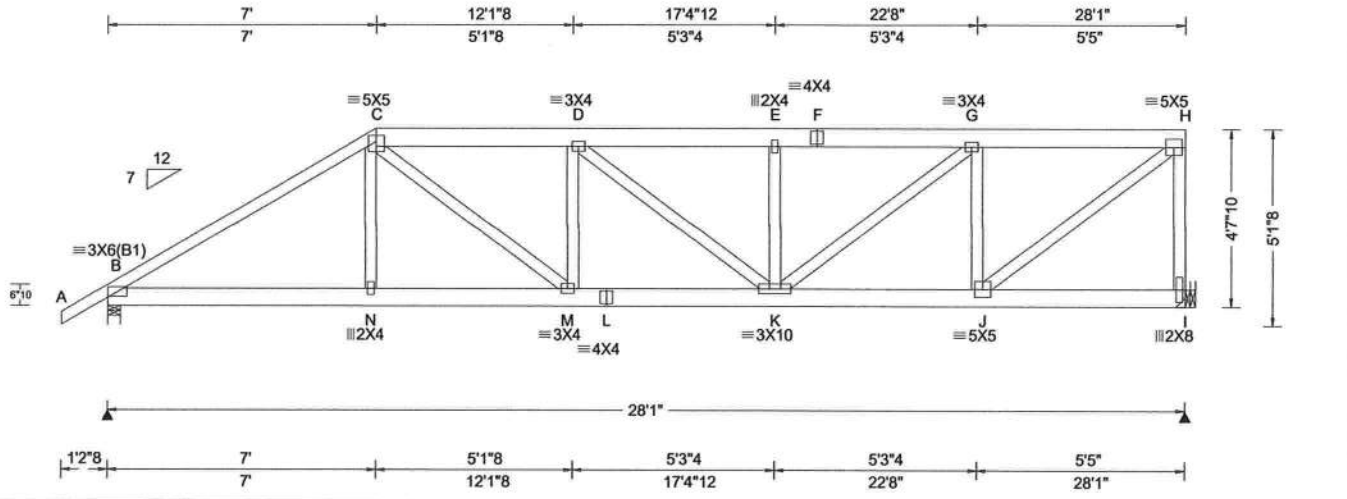
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592986 T27 HIPM FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** A15	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0905.18397 KD / WHK 11/05/2018

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.094	D	999	240
VERT(CL): 0.189	D	999	180
HORZ(LL): 0.024	J	-	-
HORZ(TL): 0.049	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.454
Max BC CSI: 0.641
Max Web CSI: 0.777

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2737	/-	/-	/740	/621	/136
I	2942	/-	/-	/586	/683	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
I Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	520	-2274	E - F	556	-2411
C - D	577	-2519	F - G	556	-2411
D - E	556	-2411	G - H	369	-1598

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1915	-431	L - K	2536	-585
N - M	1906	-431	K - J	1669	-390
M - L	2536	-585			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	800	-190	J - H	2039	-470
K - G	957	-213	H - I	346	-1399
G - J	311	-1026			

Lumber

Top chord 2x6 SP #2 :T1 2x4 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	63 plf at	-1.21 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	28.08
BC: From	5 plf at	-1.21 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	28.08

TC: 296 lb Conc. Load at 7.03
TC: 200 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,26.27
BC: 504 lb Conc. Load at 7.03
BC: 134 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,26.27

Hangers / Ties

Hanger support required, by others.

Wind

Wind loads based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-7-10.

It is the responsblity 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.

COA #0278

11/05/2018

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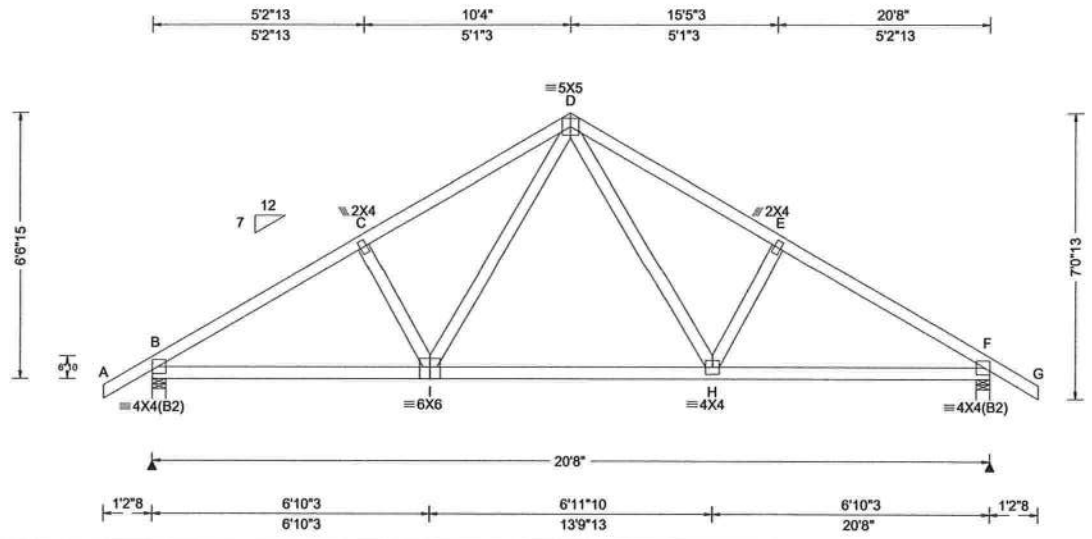
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592947 T39 COMN FROM: CDM	Ply: 1 Qty: 10	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** B01	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0905.20330 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.053	H	999	240
VERT(CL): 0.103	H	999	180
HORZ(LL): 0.026	H	-	-
HORZ(TL): 0.051	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.451
Max BC CSI: 0.565
Max Web CSI: 0.178

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	991	/-	/-	/562	/161	/190
F	991	/-	/-	/562	/161	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	268	-1374	D - E	305	-1226
C - D	304	-1224	E - F	268	-1376

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1106	-139	H - F	1107	-152
I - H	765	-35			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	464	-110	D - H	466	-109

Lumber

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

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6-6-15.

COA #0[illegible]78

11/05/2018

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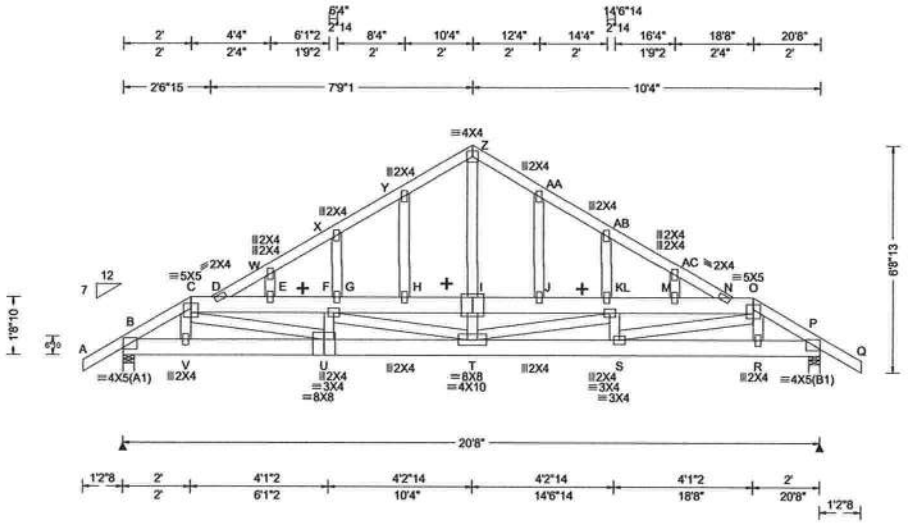
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592964 T8 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** B02	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0905.53267 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.055	G	999	240
VERT(CL): 0.109	G	999	180
HORZ(LL): 0.014	R	-	-
HORZ(TL): 0.027	R	-	-

Creep Factor: 2.0
Max TC CSI: 0.387
Max BC CSI: 0.405
Max Web CSI: 0.227

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1005 /-	/-	/-	/264	/-
P	1005 /-	/-	/-	/264	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
P Brg Width = 4.0 Min Req = 1.5
Bearings B & P are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	327	-1353	I - J	114	-447
C - D	386	-1620	J - K	113	-446
D - E	221	-932	K - L	111	-441
E - F	221	-928	L - M	220	-927
F - G	111	-441	M - N	220	-931
G - H	113	-446	N - O	385	-1618
H - I	114	-447	O - P	327	-1354

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	1141	-272	T - S	1650	-404
V - U	1145	-278	S - R	1145	-278
U - T	1651	-405	R - P	1141	-272

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	526	-118	T - L	129	-564
D - W	221	-903	Z - I	597	-108
W - X	199	-825	Z -AA	194	-808
F - T	130	-565	AA-AB	204	-836
X - Y	204	-836	AB-AC	199	-825
Y - Z	194	-808	S - O	525	-117
I - T	517	-72	AC- N	221	-903

Lumber

Top chord 2x4 SP #2 :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3
Filler 2x4 SP #2

It is the responsblity 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.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	63 plf at	-1.21 to	63 plf at	2.00
TC: From	32 plf at	2.00 to	32 plf at	18.67
TC: From	63 plf at	18.67 to	63 plf at	21.87
BC: From	5 plf at	-1.21 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	20.67
BC: From	5 plf at	20.67 to	5 plf at	21.87

TC: 56 lb Conc. Load at 2.03,18.64
TC: 37 lb Conc. Load at 4.06, 6.06, 8.06,10.06 10.60,12.60,14.60,16.60
BC: 84 lb Conc. Load at 2.03,18.64
BC: 35 lb Conc. Load at 4.06, 6.06, 8.06,10.06 10.60,12.60,14.60,16.60

Purlins

Laterally brace TC below filler at 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-8-10.

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished by others.

COA #6278

11/05/2018

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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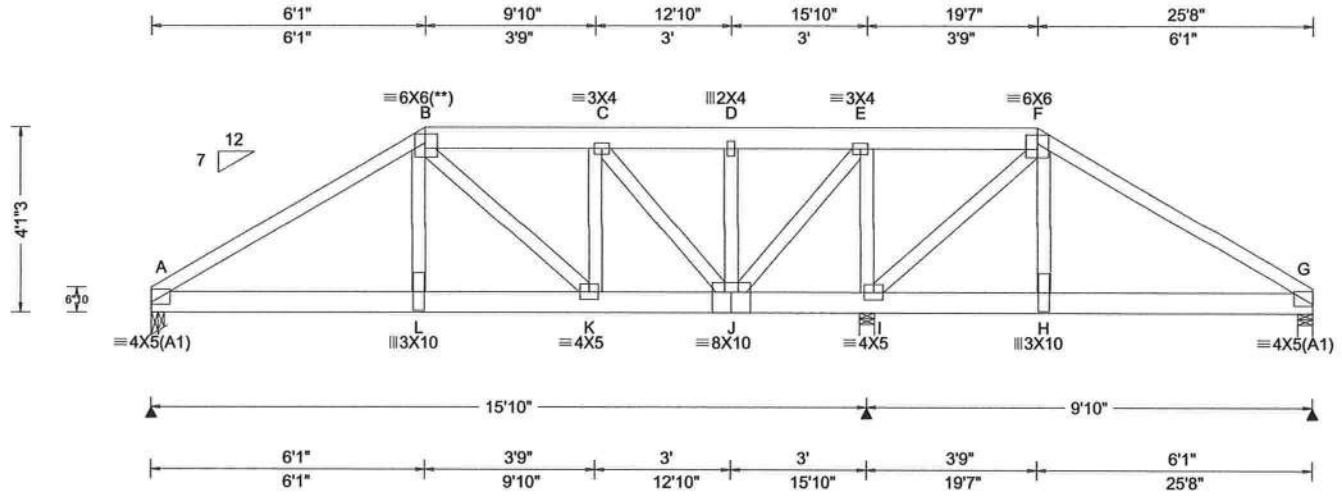
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592972 T1 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** C01	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0906.06213 KD / WHK 11/05/2018

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 H 999 240 VERT(CL): 0.041 H 999 180 HORZ(LL): 0.007 H - - HORZ(TL): 0.014 H - - Creep Factor: 2.0 Max TC CSI: 0.430 Max BC CSI: 0.545 Max Web CSI: 0.832 VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1173	/-	/-	/-	/259	/-
I	6426	/-	/-	/-	/773	/-
G	2958	/-	/-	/-	/104	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.5
I Brg Width = 4.0 Min Req = 2.3
G Brg Width = 4.0 Min Req = 1.5
Bearings A, I, & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	217	-918	E - F	430	-66
B - C	166	-665	F - G	59	-1547

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	754	-172	I - H	1215	-33
L - K	746	-173	H - G	1298	-33
K - J	643	-165			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	138	-687	I - F	140	-2271
J - E	901	-199	F - H	2092	-12
E - I	286	-1042			

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 5.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 25.67
BC: From 20 plf at 0.00 to 20 plf at 25.67
TC: 228 lb Conc. Load at 6.11,19.55
TC: 172 lb Conc. Load at 8.15,10.15,12.15,13.52 15.52,17.52
BC: 374 lb Conc. Load at 6.11
BC: 116 lb Conc. Load at 8.15,10.15,12.15,13.52 15.52
BC: 1478 lb Conc. Load at 17.60
BC: 1736 lb Conc. Load at 19.60
BC: 1362 lb Conc. Load at 21.60,23.60

Plating Notes

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

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-1-3.

It is the responsblity 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.

COA #0278

11/05/2018

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Alpine, a division of 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 and 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/TPI 1 Sec.2.**

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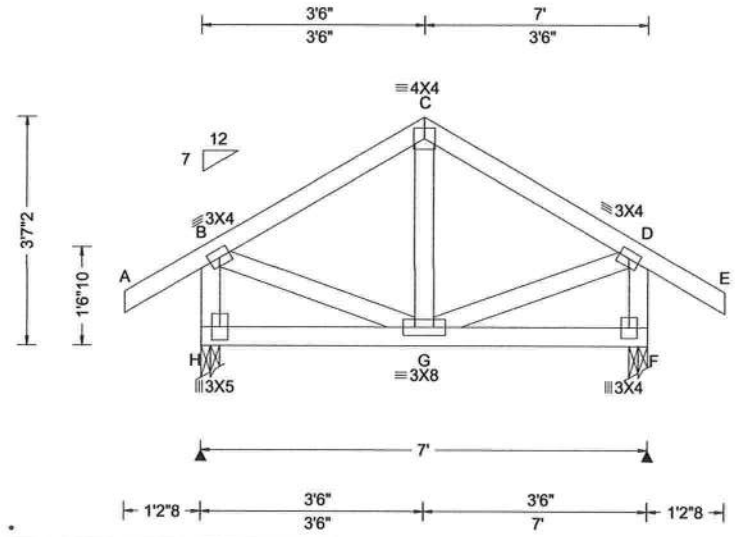
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592974 T42 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** D01	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0906.09537 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	C	999	240
VERT(CL): 0.004	C	999	180
HORZ(LL): 0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.116
Max BC CSI: 0.106
Max Web CSI: 0.065

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	373	/-	/-	/225	/67	/88
F	373	/-	/-	/176	/67	/-

Wind reactions based on MWFRS
H Brg Width = 3.5 Min Req = 1.5
F Brg Width = 3.5 Min Req = 1.5
Bearings H & F are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-7-2.

COA #0278

11/05/2018

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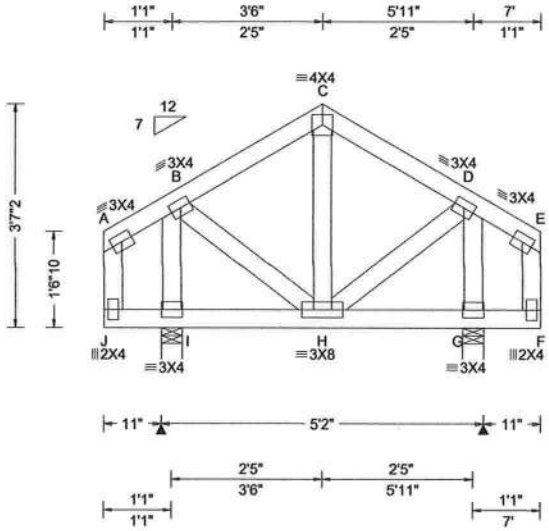
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592976 T44 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** D02	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0906.13157 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	F	999	240
VERT(CL): 0.005	A	999	180
HORZ(LL): -0.001	E	-	-
HORZ(TL): 0.002	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.064
Max BC CSI: 0.057
Max Web CSI: 0.046

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	296	/-	/-	/180	/40	/51
G	296	/-	/-	/180	/40	/-

Wind reactions based on MWFRS
I Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings I & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-7-2.

COA #0278

11/05/2018

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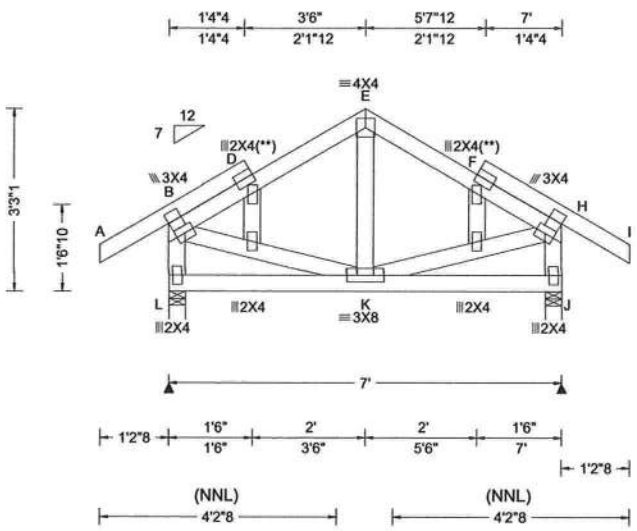
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592984 T10 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** D03	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0906.22313 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	F	999	240
VERT(CL): 0.010	F	999	180
HORZ(LL): 0.002	D	-	-
HORZ(TL): 0.005	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.116
Max BC CSI: 0.106
Max Web CSI: 0.187

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	373	/-	/-	/227	/63	/86
J	373	/-	/-	/227	/63	/-

Wind reactions based on MWFRS
L Brg Width = 3.5 Min Req = 1.5
J Brg Width = 3.5 Min Req = 1.5
Bearings L & J are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2:
:Stack Chord SC2 2x4 SP #2:

Plating Notes

All plates are 3X4 except as noted.

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

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

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

Additional Notes

Refer to General Notes for additional information

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 3-3-1.

COA #0278

11/05/2018

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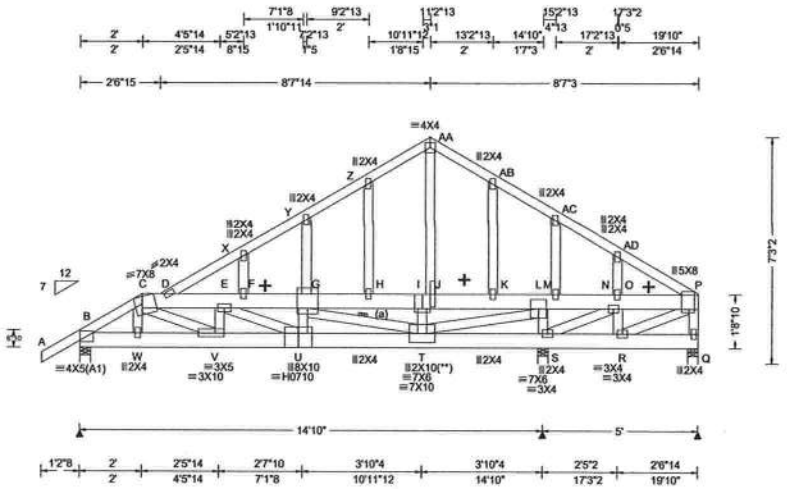
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592990 T2 HIPM FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** G01	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0917.53770 KD / WHK 11/05/2018

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.114	U	999	240
VERT(CL): 0.232	U	767	180
HORZ(LL): 0.020	C	-	-
HORZ(TL): 0.041	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.654
Max BC CSI: 0.578
Max Web CSI: 0.984

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh		/ Rw	/ U / RL
B	3621 /-	/-		/-	/770 /-
S	4461 /-	/-		/-	/879 /-
Q	608 /-	/-		/-	/118 /-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
S Brg Width = 4.0 Min Req = 1.5
Q Brg Width = 4.0 Min Req = 1.5
Bearings B, S, & Q are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	555	-2685	I - J	221	-1132
C - D	874	-4233	J - K	221	-1132
D - E	633	-3038	K - L	220	-1132
E - F	910	-4303	L - M	2722	-560
F - G	910	-4304	M - N	2724	-561
G - H	221	-1132	N - O	2139	-428
H - I	221	-1132	O - P	2138	-429

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - W	2297	-472	U - T	5263	-1102
W - V	2330	-481	T - S	248	-1217
V - U	4491	-931	S - R	193	-1000

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	2196	-454	T - L	3749	-754
D - X	303	-1490	AA- J	1178	-230
V - E	232	-1050	AA-AB	283	-1396
E - U	1212	-256	AB-AC	292	-1421
X - Y	294	-1445	L - S	294	-1349
U - G	1152	-240	S - N	141	-651
Y - Z	290	-1427	AC-AD	291	-1413
G - T	672	-3093	AD- P	297	-1438
Z -AA	279	-1377	R - P	205	-1038
I - T	1175	-214			

Lumber
Top chord 2x6 SP #2 :T1 2x4 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3 :W12 2x4 SP #2:
Filler 2x4 SP #2

Bracing
(a) Continuous lateral restraint equally spaced on member.

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.21 to 63 plf at 2.00
TC: From 32 plf at 2.00 to 32 plf at 13.69
TC: From 63 plf at 13.69 to 63 plf at 19.83
BC: From 5 plf at -1.21 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 13.69
BC: From 20 plf at 13.69 to 20 plf at 19.83
TC: 56 lb Conc. Load at 2.03
TC: 37 lb Conc. Load at 4.06, 6.06, 8.06,10.06 12.06,13.69
BC: 84 lb Conc. Load at 2.03
BC: 35 lb Conc. Load at 4.06, 6.06, 8.06,10.06 12.06,13.69
BC: 2942 lb Conc. Load at 7.12
BC: 1163 lb Conc. Load at 9.06,11.06
BC: 1165 lb Conc. Load at 13.06

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

Purlins
Laterally brace TC below filler at 24" oc.

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-8-10.

COA #0278
11/05/2018

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6750 Forum Drive
Suite 305
Orlando FL, 32821

+ Member to be laterally braced for horizontal wind loads.
bracing system to be desiged and furnished by others.

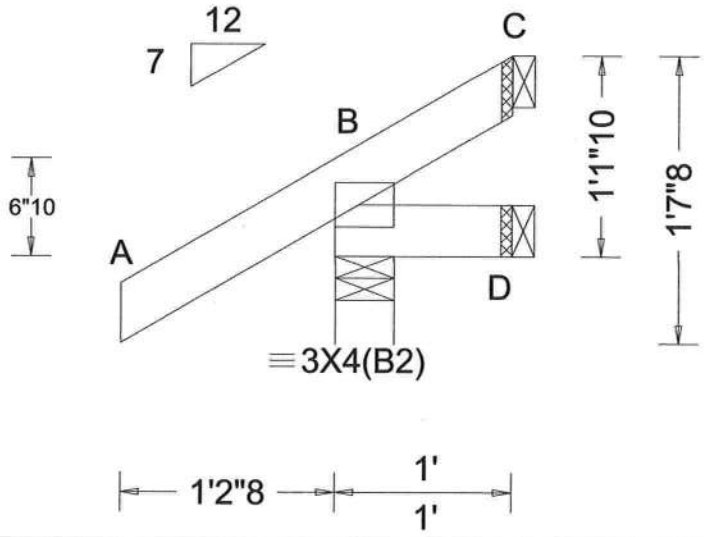
It is the responsblity of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/ specifications and fabricator's truss layout.

COA #0278

11/05/2018

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592765 T3 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J01	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0917.55780 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.001 C - -
HORZ(TL): 0.001 C - -
Creep Factor: 2.0
Max TC CSI: 0.116
Max BC CSI: 0.019
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	185	/-	/-	/145	/38	/36
D	14	/0	/-	/14	/5	/-
C	-	/-20	/-	/18	/27	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-1-10.

COA #0278

11/05/2018

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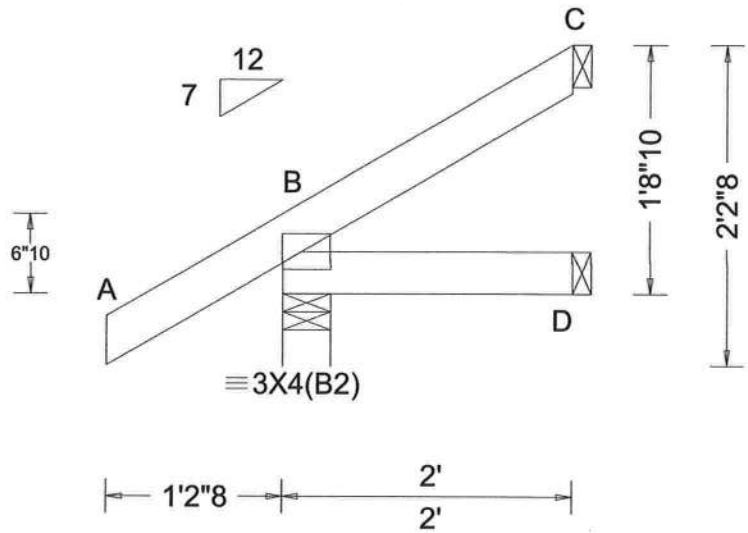
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592957 T5 EJAC FROM: CDM	Ply: 1 Qty: 17	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J02	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0917.57580 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): -0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.116
Max BC CSI: 0.036
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

Loc	R+	/ R-	/ Rh	Gravity / Rw	Non-Gravity / U	/ RL
B	196	/-	/-	/146	/29	/53
D	35	/-	/-	/26	/0	/-
C	37	/-	/-	/18	/20	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-8-10.

COA #0278

11/05/2018

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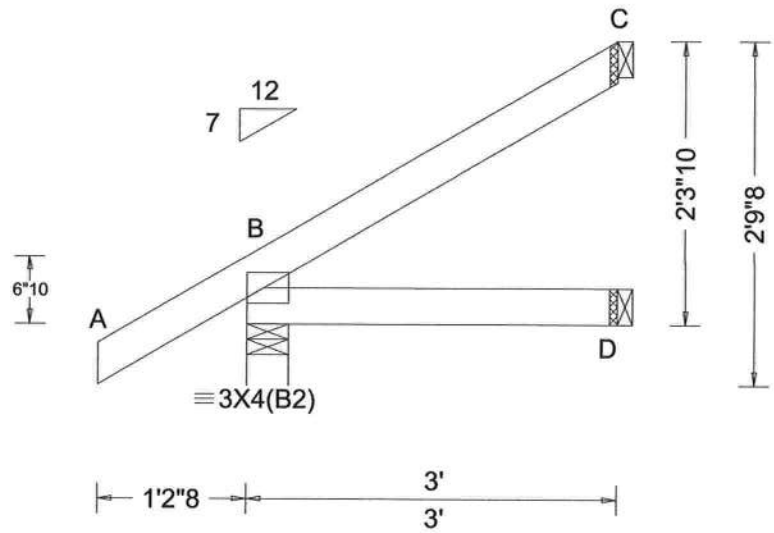
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592775 T13 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J03	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0917.59917 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): -0.001	C	-	-
HORZ(TL): 0.001	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.117
Max BC CSI: 0.094
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	228	/-	/-	/165	/28	/69
D	56	/-	/-	/39	/-	/-
C	75	/-	/-	/35	/35	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-3-10.

COA #0278

11/05/2018

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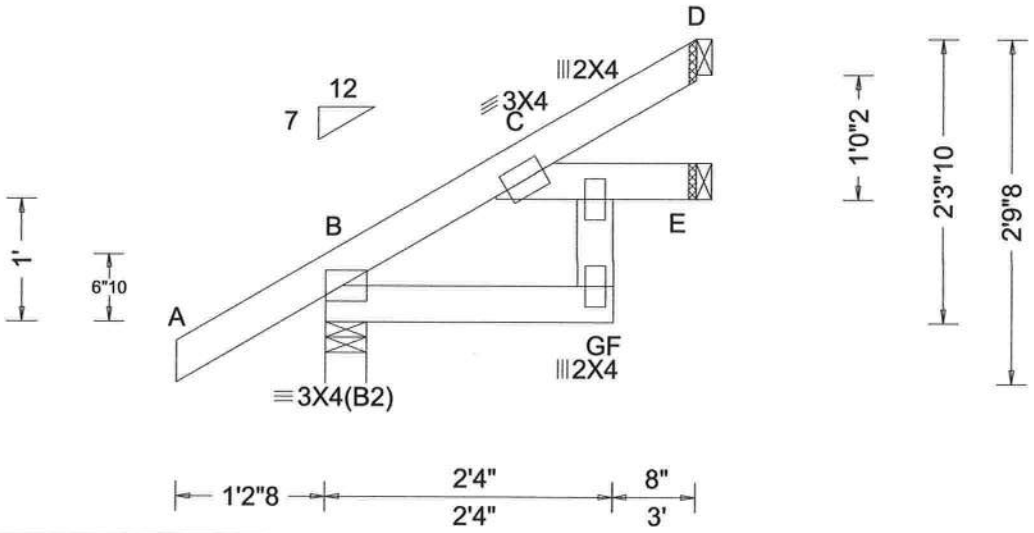
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592904 T26 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J04	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.03017 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.006	G	999	240
VERT(CL): 0.011	G	999	180
HORZ(LL): 0.004	G	-	-
HORZ(TL): 0.008	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.116
Max BC CSI: 0.051
Max Web CSI: 0.036

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	228	/-	/-	/165	/28	/69
E	46	/-	/-	/33	/1	/-
D	75	/-	/-	/40	/31	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-3-10.

COA #0278

11/05/2018

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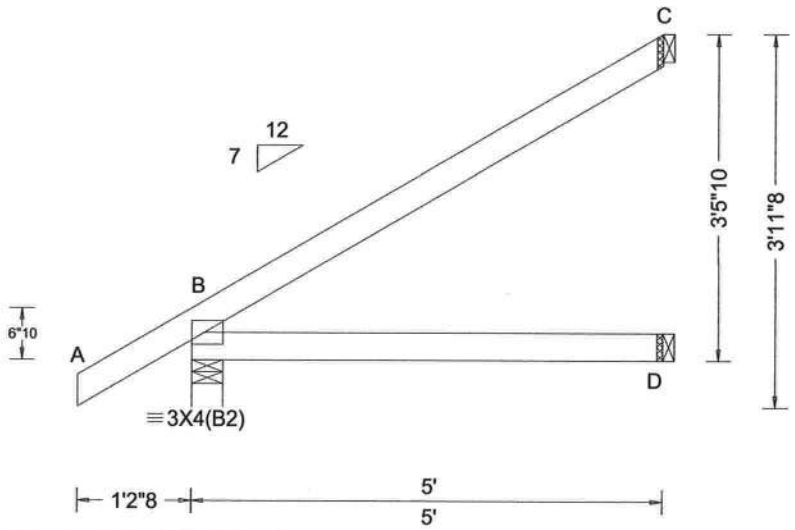
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592796 T12 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J05	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.05450 KD / WHK 11/05/2018



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.375 Max BC CSI: 0.279 Max Web CSI: 0.000 VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	304	/-	/-	/213	/30	/103
D	95	/-	/-	/65	/-	/-
C	140	/-	/-	/71	/60	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-5-10.

COA #0278

11/05/2018

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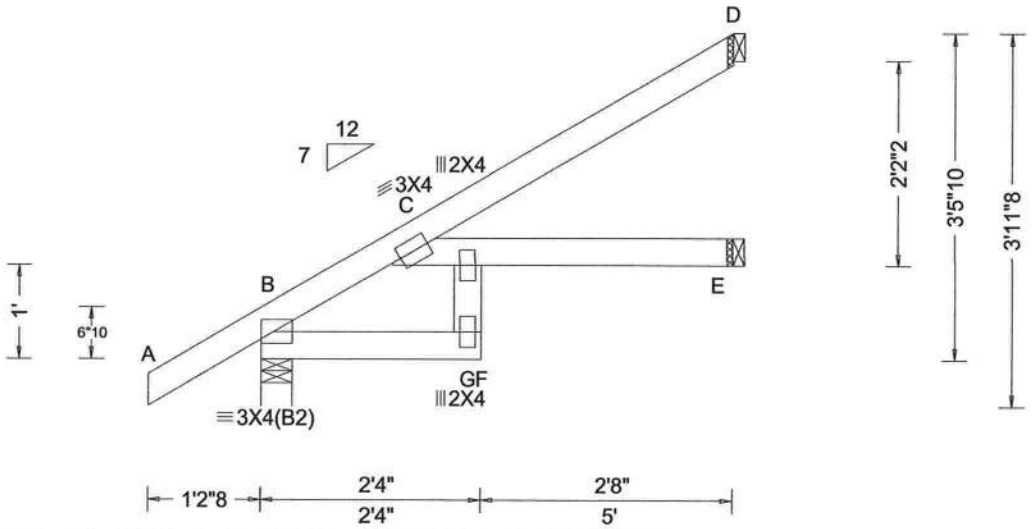
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592906 T24 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J06	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.08470 KD / WHK 11/05/2018



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲ Maximum Reactions (lbs)**
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity / Non-Gravity
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.044 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.088 F 674 180	B 304 /- /- /213 /30 /103
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.028 G - -	E 84 /- /- /59 /2 /-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.055 G - -	D 139 /- /- /77 /56 /-
NCBCLL:	10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit:	2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.394	B Brg Width = 4.0 Min Req = 1.5
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.216	E Brg Width = 1.5 Min Req = -
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.156	D Brg Width = 1.5 Min Req = -
		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
		Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
		GCpi: 0.18	WAVE		
		Wind Duration: 1.60		VIEW Ver: 17.02.00.1013.16	

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-5-10.

COA #0278

11/05/2018

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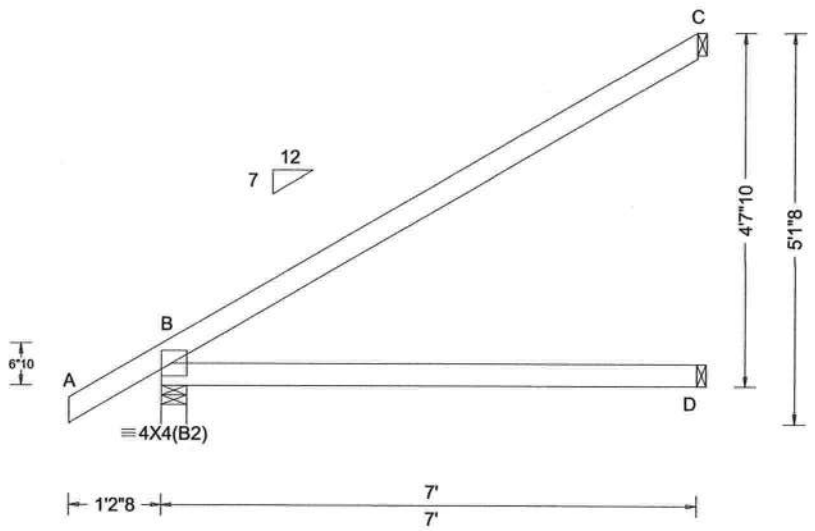
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592924 T14 EJAC FROM: CDM	Ply: 1 Qty: 20	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J07	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.10417 KD / WHK 11/05/2018



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.012 D - - HORZ(TL): 0.024 D - - Creep Factor: 2.0 Max TC CSI: 0.815 Max BC CSI: 0.555 Max Web CSI: 0.000 VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	384	/-	/-	/264	/33	/136
D	134	/-	/-	/93	/-	/-
C	200	/-	/-	/104	/84	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-7-10.

COA #0278

11/05/2018

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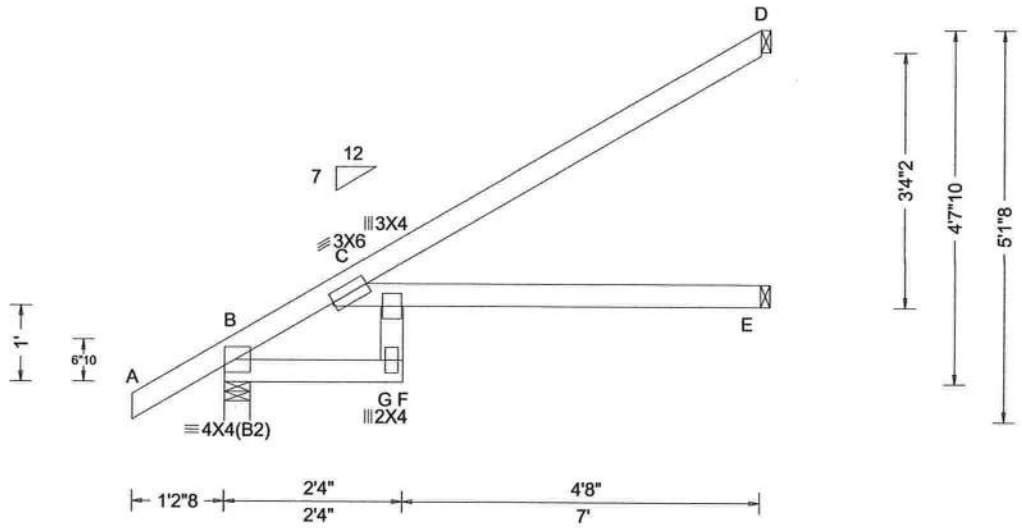
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592919 T17 EJAC FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J08	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.12607 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.142	F	585	240
VERT(CL): 0.288	F	289	180
HORZ(LL): 0.080	G	-	-
HORZ(TL): 0.163	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.805
Max BC CSI: 0.474
Max Web CSI: 0.207

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	384	/-	/-	/264	/33	/136
E	124	/-	/-	/89	/3	/-
D	197	/-	/-	/108	/79	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-7-10.

COA #0278

11/05/2018

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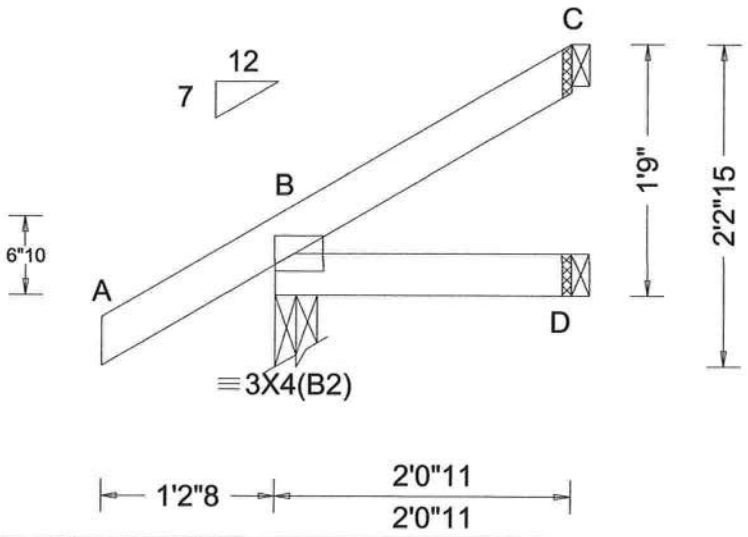
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592799 T30 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J09	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.14937 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): -0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.116
Max BC CSI: 0.038
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	198	/-	/-	/147	/29	/54
D	37	/-	/-	/27	/-	/-
C	39	/-	/-	/18	/21	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-9-0.

COA #0278

11/05/2018

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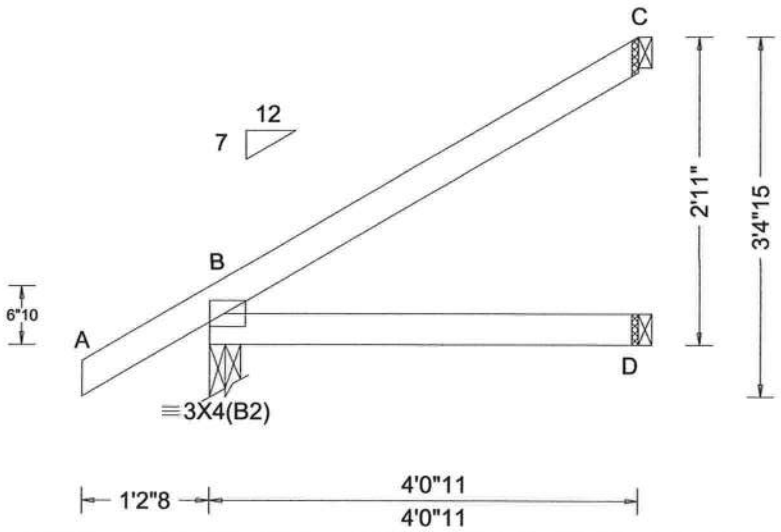
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592760 T29 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J10	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.17513 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.002 D - -
HORZ(TL): 0.003 D - -
Creep Factor: 2.0
Max TC CSI: 0.225
Max BC CSI: 0.181
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	267	/-	/-	/189	/29	/87
D	76	/-	/-	/53	/-	/-
C	110	/-	/-	/55	/48	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-11-0.

COA #0278

11/05/2018

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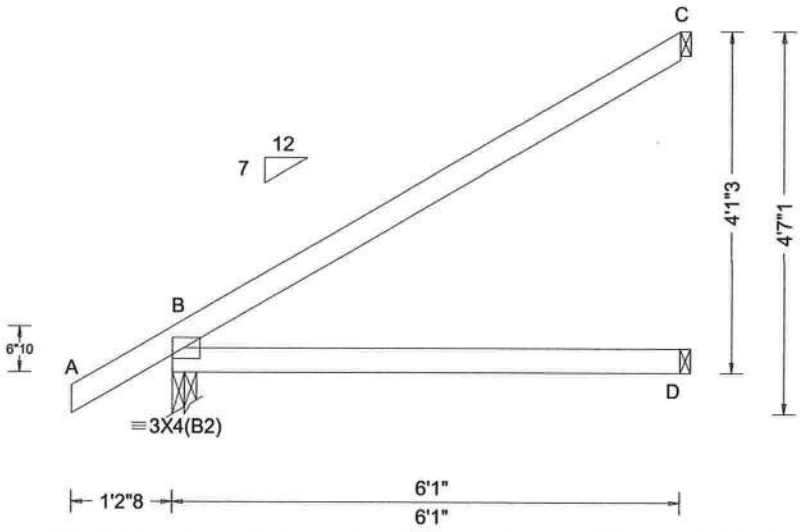
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592768 T34 EJAC FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** J11	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.26880 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.008 D - -
HORZ(TL): 0.015 D - -
Creep Factor: 2.0
Max TC CSI: 0.593
Max BC CSI: 0.417
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	347	/-	/-	/240	/31	/121
D	116	/-	/-	/80	/-	/-
C	172	/-	/-	/89	/73	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-1-3.

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER

COA #0278

11/05/2018

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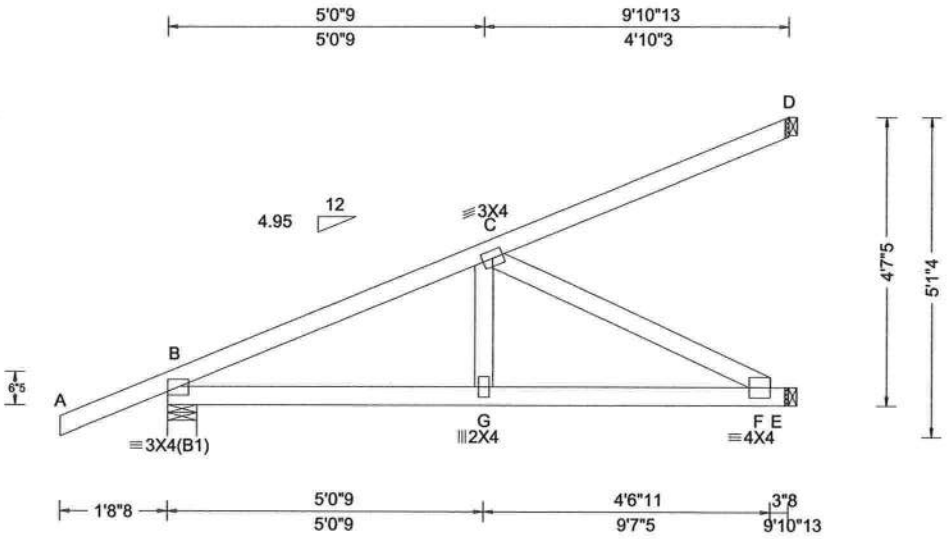
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592805 T15 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** JH1	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.34840 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.026	G	999	240
VERT(CL): 0.053	G	999	180
HORZ(LL): -0.007	D	-	-
HORZ(TL): 0.014	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.717
Max BC CSI: 0.750
Max Web CSI: 0.368

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	370	/-	/-	/-	/127	/-
E	370	/-	/-	/-	/68	/-
D	96	/-	/-	/-	/30	/-

Wind reactions based on MWFRS
B Brg Width = 5.7 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	174	-683

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	628	-147	G - F	618	-148

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	167	-697

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

Special Loads
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.90
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.90
TC: -18 lb Conc. Load at 1.48
TC: 150 lb Conc. Load at 4.31
TC: 279 lb Conc. Load at 7.13
BC: 29 lb Conc. Load at 1.48
BC: 111 lb Conc. Load at 4.31
BC: 190 lb Conc. Load at 7.13

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-7-5.

COA #0278
11/05/2018

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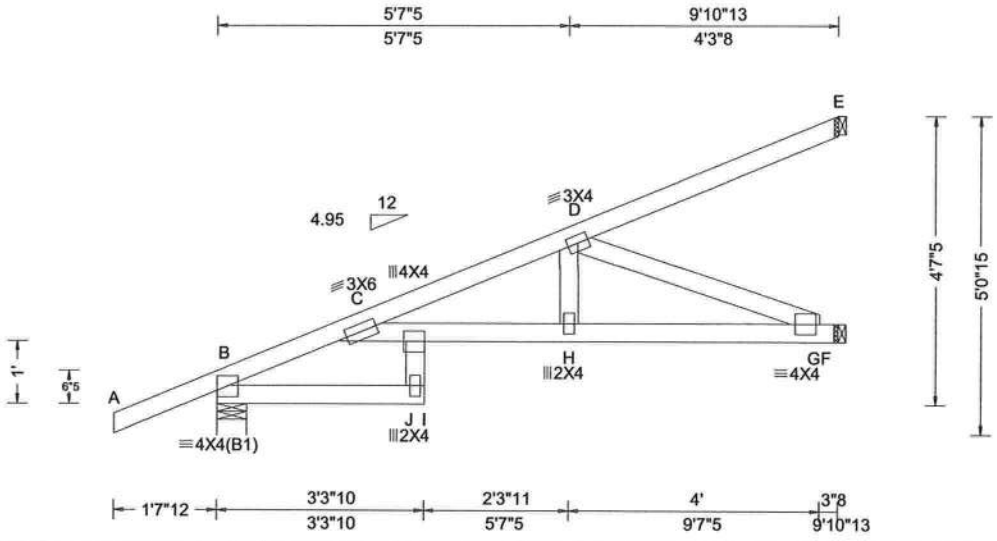
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592913 T11 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** JH2	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.41470 KD / WHK 11/05/2018



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.147	J	799	240
VERT(CL): 0.298	J	394	180
HORZ(LL): 0.076	G	-	-
HORZ(TL): 0.154	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.846
Max BC CSI: 0.264
Max Web CSI: 0.396

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	350 /-	/-	/-	/100	/-
F	393 /-	/-	/-	/85	/-
E	47 /-	/-	/-	/15	/-

Wind reactions based on MWFRS
B Brg Width = 5.7 Min Req = 1.5
F Brg Width = 1.5 Min Req = -
E Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
C - D	242	-992

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - J	787	-179	H - G	940	-236
J - H	955	-237			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - G	254	-1013

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2 :B2 2x4 SP 2400f-2.0E:
Webs 2x4 SP #3 :W1 2x4 SP 2400f-2.0E:

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	0 plf at	-1.65 to	62 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.90
BC: From	0 plf at	-1.65 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.90

TC: -18 lb Conc. Load at 1.48
TC: 150 lb Conc. Load at 4.31
TC: 278 lb Conc. Load at 7.13
BC: 29 lb Conc. Load at 1.48
BC: 91 lb Conc. Load at 4.31
BC: 167 lb Conc. Load at 7.13

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-7-5.

It is the responsblity 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.

COA #0278

11/05/2018

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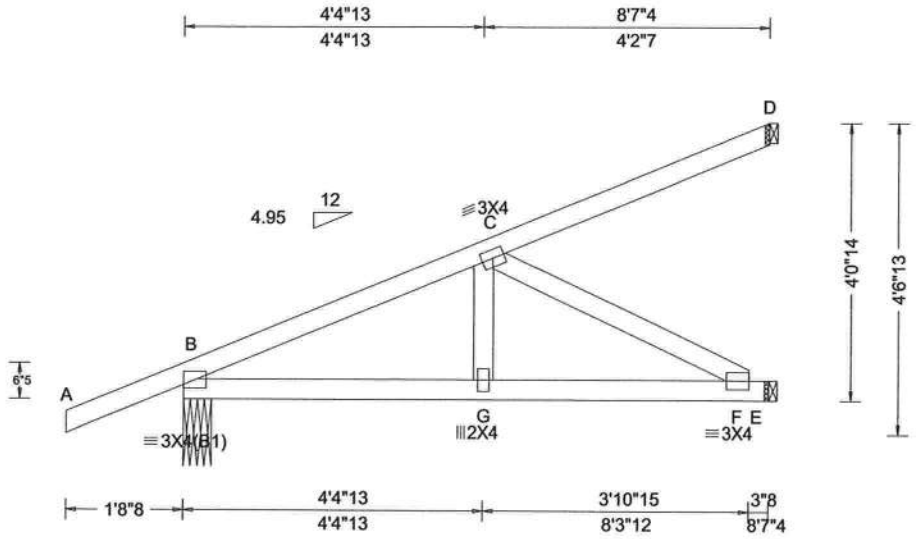
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592809 T36 HIP_ FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** JH3	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.46280 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.015	G	999	240
VERT(CL): 0.031	G	999	180
HORZ(LL): -0.004	D	-	-
HORZ(TL): 0.008	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.401
Max BC CSI: 0.452
Max Web CSI: 0.201

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	318	/-	/-	/-	/63	/-
E	258	/-	/-	/-	/39	/-
D	56	/-	/-	/-	/17	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	92	-491

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	442	-83	G - F	434	-84

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	95	-494

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

Special Loads
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 8.60
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 8.60
TC: 79 lb Conc. Load at 2.97
TC: 220 lb Conc. Load at 5.80
BC: 73 lb Conc. Load at 2.97
BC: 153 lb Conc. Load at 5.80

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-0-14.

It is the responsblity 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.

COA #0278

11/05/2018

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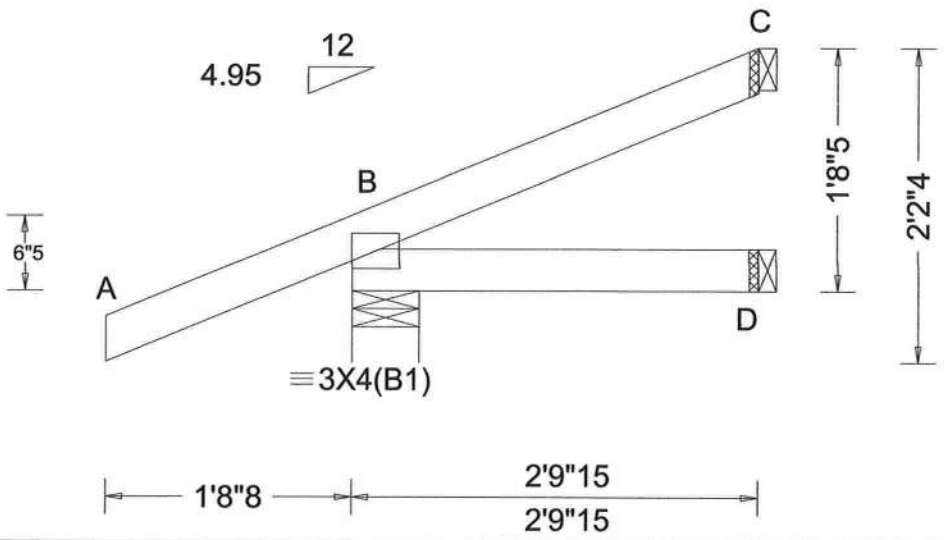
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 592952 T4 HIP_ FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 18-2632 AMELIA LOT 8 **Truss Label:** JH4	Cust: R215 JRef: 1WfQ2150001 DrwNo: 309.18.0918.54617 KD / WHK 11/05/2018



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.001 D - -
HORZ(TL): 0.001 D - -
Creep Factor: 2.0
Max TC CSI: 0.406
Max BC CSI: 0.076
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	150	/-	/-	/191	/53	/53
D	49	/-1	/-	/37	/1	/-
C	20	/-7	/-	/20	/21	/-

Wind reactions based on MWFRS
B Brg Width = 5.7 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-8-5.

COA #0278

11/05/2018

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforecement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

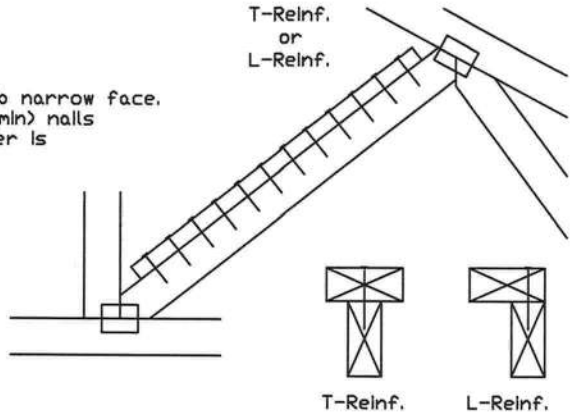
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement 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.

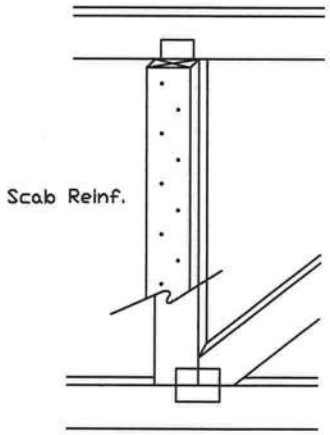
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
COA #0127582018

TC LL	PSF	REF CLR Subst.
TC DL	PSF	DATE 10/01/14
BC DL	PSF	DRWG BRCLBSUB1014
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

Gable Stud Reinforcement Detail

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

Or: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

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

Douglas Fir-Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch	Southern Pine***
#1	#1
#2	#2

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

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

Attach '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.

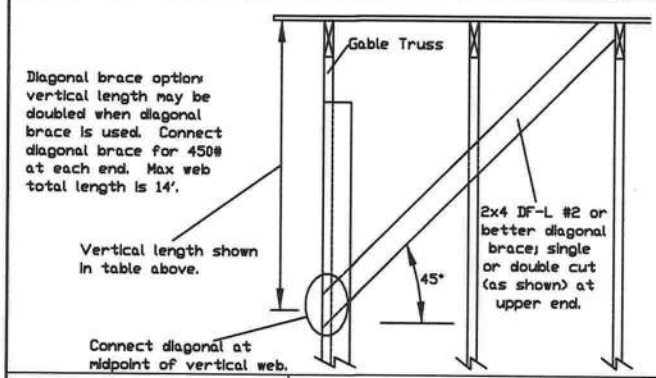
'L' bracing must be a minimum of 80% of web member length.

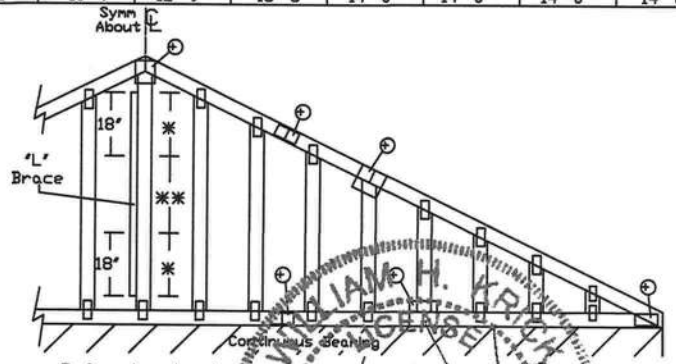
Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

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

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





Refer to chart above for max gable vertical length.

WILLIAM H. KIPER
LICENSED ARCHITECT
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
COA #0012058 2018

ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs 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-Z for standard plate positions.

Alpine, a division of 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 solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

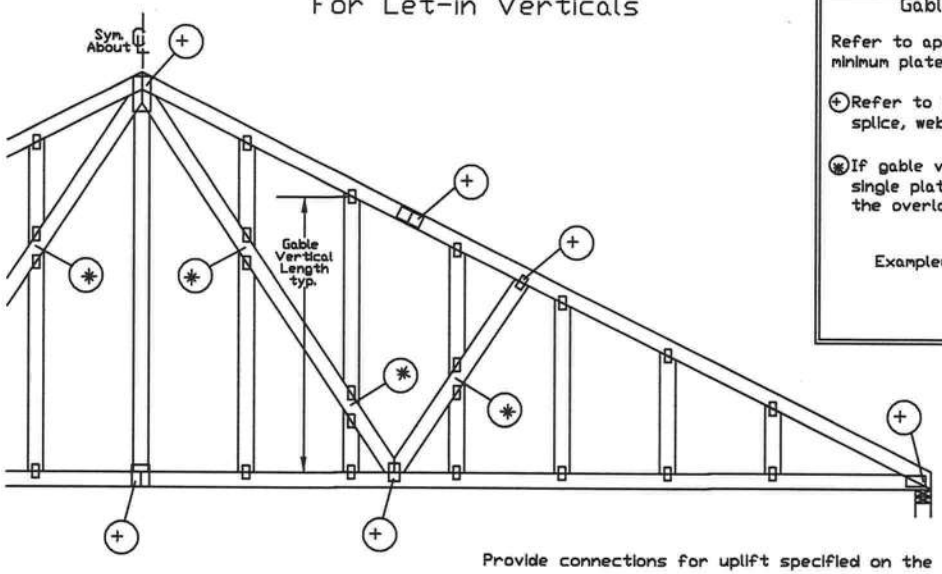
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB14015
DATE	10/01/14
DRWG	A14015ENC101014

Gable Detail
For Let-In Verticals



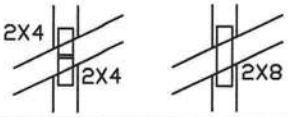
Gable Truss Plate Sizes

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

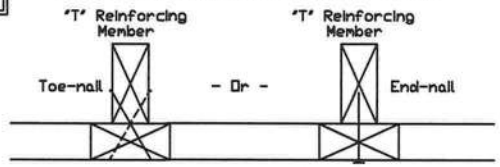
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



'T' Reinforcement Attachment Detail

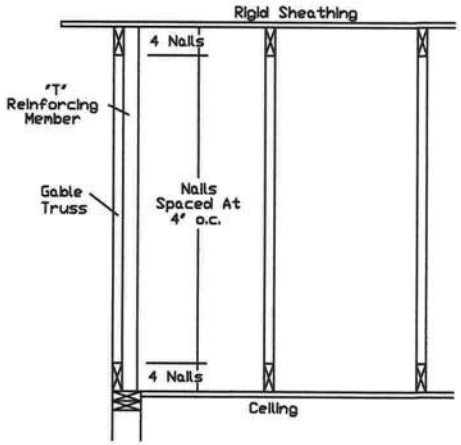


Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:
- 10d Common (0.148"x 3",min) Nails at 4" o.c. plus
- (4) nails in the top and bottom chords.

Toenailed Nails:
- 10d Common (0.148"x3",min) Toenails at 4" o.c. plus
- (4) toenails in the top and bottom chords.



This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.

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

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

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

Web Length Increase w/ 'T' Brace

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

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24'o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (From Above) = 30% = 1.30
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
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ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

WILLIAM E. RICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER

COA #0127582018

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118