NOC

6247894 ✓ 45927

Columbia County New Building Permit Application

For Office Use Only Application # 44749 Date Received 3/17 By MG Permit # 39568

Zoning Official LW/CH Date 3-19-20 Flood Zone X Land Use RLD Zoning PRD

FEMA Map # _____ Elevation _____ MFE 122' River _____ Plans Examiner T.C. Date 3-26-20

Comments per plat

✓ NOC ✓ EH ☐ Deed or (PA) ✓ Site Plan ☐ State Road Info ~~☐ Well letter~~ ✓ 911 Sheet ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

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

Septic Permit No. X-CITY OR City Water ☑ Fax _____

Applicant (Who will sign/pickup the permit) Jessica Murphy Phone 386.688.9318

Address 426 SW Commerce Drive, Ste. 130, Lake City, FL 32025

Owners Name Gary Sorensen Phone 308.440.0814

911 Address 135 SW White Ash Gln, Lake City, fl 32024

Contractors Name Gerald M. Smith Sr. Phone 386.234.0318

Address 15975 CR 6 East, Jasper, FL 32052

Contractor Email jessicamurphy@circleoflifecommunities.com ***Include to get updates on this job.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Nicholas Geisler 1758 NW Brown Road, 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 33-3S-16-02439-113 Estimated Construction Cost $ 138,035

Subdivision Name The Reserve at Jewel Lake Lot 13 Block ____ Unit ____ Phase 1

Driving Directions from a Major Road 90 West to left on Pinemount Road - Subdivision is on the right at Jewel Lake Dr.

Turn right onto Jewel Lake Dr. Then turn left onto SW Old Cypress Way. Turn right onto SW White Ash Glen. 2nd lot on right.

Construction of Single family residence ____ Commercial OR X Residential

Proposed Use/Occupancy Single family Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? NO If Yes, blueprints included ____ Or Explain _____

Circle Proposed ☐ Culvert Permit or ✓ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 25' Side 10' Side 10' Rear 15'

Number of Stories 1 Heated Floor Area 1453 Total Floor Area 2195 Acreage .25

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

Sent email 4.7.20

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.

Gary Sorensen — Gary Sorensen

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 CBC1254161

Columbia County Competency Card Number 1428

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 17th **day of** March **20**20.

Personally known X **or Produced Identification** _____

Jessica Murphy

State of Florida Notary Signature (For the Contractor)

SEAL:

Notary Public State of Florida
Jessica Roxanne Murphy
My Commission GG 147537
Expires 4/6/2021

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME The Reserve at Jewel Lake lot 21

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# 0837	Print Name Chris Williams Signature _____ Company Name: Chris Williams Inc DBA Country comfort License #: CAC1511195 Phone #: 386.752.5841	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING 1869 ☑ CC# 1330509 1869	Print Name Ben Keeler Signature _____ Company Name: Keeler Roofing LLC License #: CCC1330509 Phone #: 352-514-4930	☐ 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 _____

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.

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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 _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☑ CC# 1429	Print Name Daniel R. Mossburg Signature Daniel Mossburg Company Name: Live Oak Plumbing, Inc. License #: CFC1427438 Phone #: 386-362-1767	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC#	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ 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'S AFFIDAVIT

APPLICATION/PERMIT # _____ JOB NAME

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.

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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# 0724	Print Name Lyndon Rainbolt Signature Lyndon Rainbolt Company Name: Rainbolt Tech Services License #: EC13001835 Phone #: 386.755.5079	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ 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

CITY OF LAKE CITY
Florida's Gateway Est. 1859

March 27, 2019

Sorensen & Smith, LLC
426 SW Commerce Dr.
Suite 130
Lake City, FL 32025

RE: Reserve at Jewel Lake Lot 13
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 135 SW White Ash Glen, Parcel 04-4S-16-02439-113.

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
Utility Service Coordinator

Brian Scott
Director of Distribution and Collections

Columbia County Property Appraiser

Jeff Hampton
updated: 2/11/2020

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values
updated: 2/11/2020

Retrieve Tax Record | 2019 TRIM (pdf) | Property Card | Parcel List Generator | Show on GIS Map | Print

Parcel: << 33-3S-16-02439-113 >>

Owner & Property Info

Result: 1 of 1

Owner	SORENSEN GARY 10153 US HIGHWAY 90 W LAKE CITY, FL 32055		
Site	135 WHITE ASH GLN,		
Description*	LOT 13 RESERVE AT JEWEL LAKE PHASE 1 (3RD PLAT).		
Area	0.25 AC	S/T/R	33-3S-16
Use Code**	VACANT (000000)	Tax District	2

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.
**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Aerial Viewer | Pictometery | Google Maps

2019 | 2016 | 2013 | 2010 | 2007 | 2005 | Sales | (zoom parcel) | click | hover

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (1)	$21,763	Mkt Land (1)	$20,000
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$21,763	Just	$20,000
Class	$0	Class	$0
Appraised	$21,763	Appraised	$20,000
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$21,763	Assessed	$20,000
Exempt	$0	Exempt	$0
Total Taxable	county:$21,763 city:$21,763 other:$21,763 school:$21,763	Total Taxable	county:$20,000 city:$20,000 other:$20,000 school:$20,000

Sales History

Show Similar Sales within 1/2 mile | Fill out Sales Questionnaire

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
NONE						

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

Extra Features & Out Buildings (Codes)

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

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (0.250 AC)	1.00/1.00 1.00/1.00	$20,000	$20,000

Search Result: 1 of 1

Legend

2018Aerials

Roads

Roads
others
Dirt
Interstate
Main
Other
Paved
Private

SRWMD Wetlands

Parcels

Lake City Limits

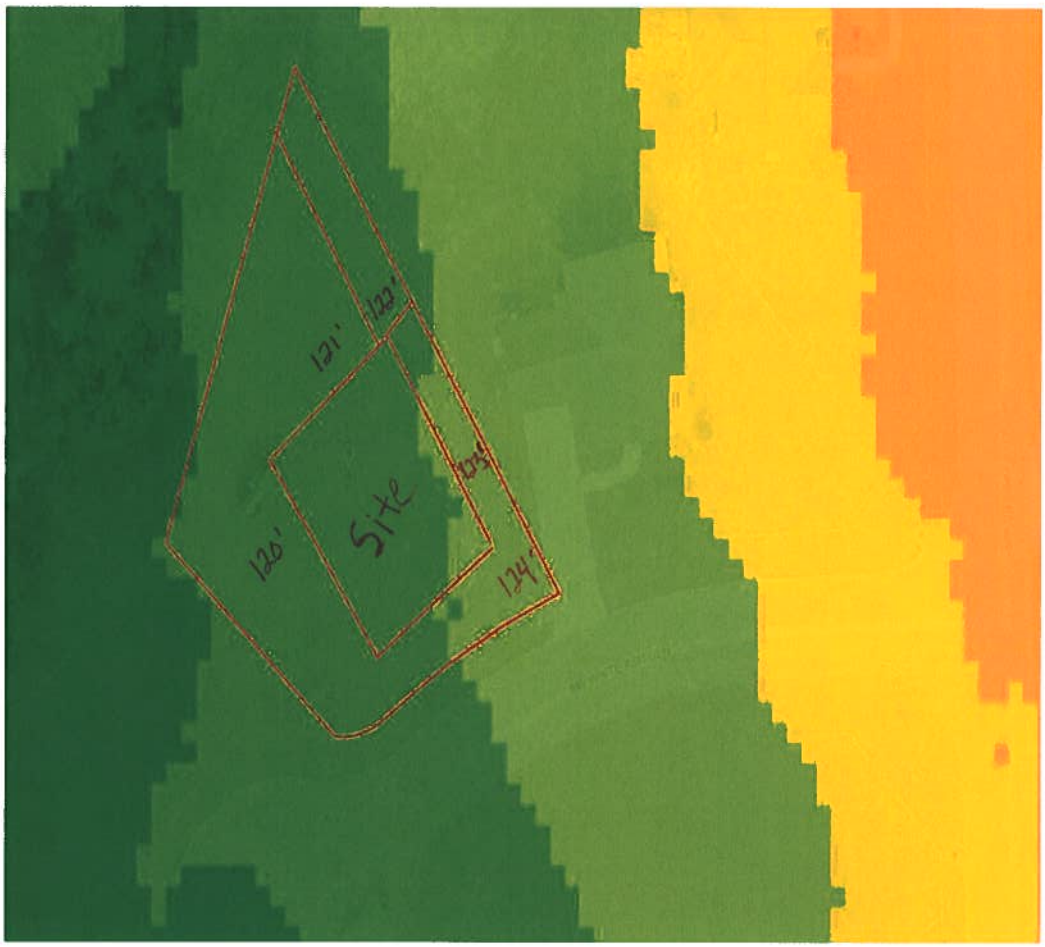
2018 Flood Zones

0.2 PCT ANNUAL CHANCE
A
AE
AH

LidarElevations

Columbia County, FLA - Building & Zoning Property Map

Printed: Thu Mar 19 2020 12:27:54 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 33-3S-16-02439-113

Owner: SORENSEN GARY

Subdivision: RESERVE AT JEWEL LAKE PHASE 1

Lot: 13

Acres: 0.249592364

Deed Acres: 35.28 Ac

District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD, RR

Prepared by and return to:
Adam Morrison
Sellers, Taylor & Morrison, P.A.
108 West Howard Street
Live Oak, Florida 32064

Inst: 201612014289 Date: 08/30/2016 Time: 2:38PM
Page 1 of 8 B: 1321 P: 758, P.DeWitt Cason, Clerk of Court
Columbia, County, By: EV
Deputy Clerk Doc Stamp-Deed: 6523.30

[Space Above This Line For Recording Data]

SPECIAL WARRANTY DEED IN LIEU OF FORECLOSURE

THIS INDENTURE, Made this 30th day of August, 2016, between GREATER SOUTHEASTERN LAND DEVELOPMENT, whose address is 10153 US Highway 90 West, Lake City, Florida 32055, party of the first part, and Gary Sorensen, whose mailing address is 1400 West 22nd Street, Kearney, Nebraska 68845 party of the second part.

WITNESSETH:

That the said parties of the first part, for and in consideration of TEN AND 00/100 ($10.00) DOLLARS, and other good and valuable consideration, to them in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said party of the second part and its successors and assigns forever, the following described land, situate, lying and being in the County of Columbia, State of Florida, to-wit:

SEE EXHIBIT "A"

Columbia County Property Appraisers I.D. 04-4S-16-02745-003 & 33-3S-16-02439-000

with all the tenements, hereditament and appurtenances, with every privilege, right, title, interest and estate, dower and right of dower, reversion, remainder and easement thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever. And the said parties of the first part do covenant with the said party of the second part that they are lawfully seized of said premises and fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever claiming by, through or under the party of the first part, but against no others.

Existing Mortgage. The above described property is encumbered by a certain mortgage (the "Mortgage"). The Mortgage was given by GREATER SOUTHEASTERN LAND DEVELOPMENT to COLUMBIA BANK and is recorded at O.R. Book 1054, page 1523, of the Public Records of Columbia County, Florida. The Mortgage was later modified by a Mortgage Modification and Consolidation Agreement recorded at O.R. Book 1093, page 413, of the Public Records of Columbia County, Florida. The Mortgage was assigned by COLUMBIA BANK to RODGER D. POWELL, M.D. by written assignment which is recorded at O.R. Book 1319, page 2769, of the Public Records of Columbia County, Florida. The Mortgage was later assigned by RODGER D. POWELL, M.D. to the party of the second part by written assignment which is recorded at O.R. Book 1320, page 1249, of the Public Records of Columbia County, Florida and the corrective assignment recorded at O.R. Book 1320, page 2246, of the Public Records of Columbia County, Florida.

The Mortgage was further subject to Partial Release of Mortgage recorded in Official Records Book 1168, Page 1042; Partial Release of Mortgage recorded in Official Records Book 1183, Page 2046; Cross-Collateralization and Cross-Default Agreement recorded in Official Records Book 1187, Page 2739, Public Records of Columbia County, Florida and Official Records Book 1573, Page 423, Public Records of Suwannee County, Florida; Modification of Mortgage recorded in Official Records Book 1187, Page 2744, Public Records of Columbia

County, Florida and Official Records Book 1573, Page 428, Public Records of Suwannee County, Florida; Partial Release of Mortgage recorded in Official Records Book 1189, Page 2729; Cross-Collateralization and Cross-Default Agreement recorded in Official Records Book 1573, Page 430, Public Records of Suwannee County, Florida.

"Mortgage" shall hereafter mean the "Mortgage, as assigned as set out above."

Deed Given in Lieu of Foreclosure. The party of the first party is giving this deed in lieu of the party of the second part foreclosing (or completing the foreclosure of) the Mortgage on the above described property.

No Merger to Occur. It is the express intent of the party of the first part and the party of the second part that neither the Mortgage nor the promissory note(s) secured thereby shall merge with the interest of party of the second part acquired pursuant to this deed. Both the Mortgage and the promissory note(s) it secures shall remain outstanding until the recording of a separate written satisfaction thereof. The lien of the Mortgage is preserved in favor of party of the second part and the party of the second part preserves its rights as mortgagee under the Mortgage to foreclose any junior encumbrances or liens on the above described property, foreclose any other property (described in the Mortgage or otherwise) and/or to seek a deficiency judgment.

Deed Not Intended as Additional Security. The grant of this deed is an absolute conveyance of title to the above described property and is not intended to be as additional security for the party of the second part.

Consideration for This Deed. The party of the first part is giving this deed in consideration of the party of the second part reducing the party of the second part's indebtedness under the promissory note(s) secured by the Mortgage. Such reduction is in an amount that the party of the first part and the party of the second part believe to be reasonably equivalent to the fair market

value of the above described property.

IN WITNESS WHEREOF, the said parties of the first part have hereunto set their hands and seal the day and year first above written.

Signed, Sealed and Delivered
in the Presence of:

Witness (print name under signature)

Barry D. Joye, Managing Member of
Greater Southeastern Land Development, LLC

Witness (print name under signature)

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 30 day of August, 2016 Barry D. Joye who is [✓] personally known to me [ ]or who produced _____ as identification and who did not take an oath.

Notary Public (print name under signature)

My Commission Expires:

MARA DRIGGERS
Commission # FF 224155
My Commission Expires
April 23, 2019

Signed, Sealed and Delivered
in the Presence of:

Jon Sommerfeldt
Witness (print name under signature)

Gary Sorensen
Gary Sorensen, Managing Member of
Greater Southeastern Land Development, LLC

Deb Marlatt
Witness (print name under signature)

STATE OF NEBRASKA
COUNTY OF BUFFALO

The foregoing instrument was acknowledged before me this 29th day of August, 2016 Gary Sorensen who is [x] personally known to me [ ] or who produced _____ as identification and who did not take an oath.

State of Nebraska - General Notary
[illegible]
My Commission Expires
November 28, 2018

Miriam D Merrihew
Miriam D Merrihew
Notary Public (print name under signature)

My Commission Expires:
11-28-2018

Signed, Sealed and Delivered
in the Presence of:

Witness (print name under signature)

Rodger D. Powell, M.D. Managing Member of
Greater Southeastern Land Development, LLC

Witness (print name under signature)

STATE OF FLORIDA
COUNTY OF Alachua

The foregoing instrument was acknowledged before me this 30th day of August, 2016 Rodger D. Powell, M.D. who is [✓] personally known to me [ ]or who produced _____ as identification and who did not take an oath.

ADAM MORRISON
MY COMMISSION #FF049749
EXPIRES August 29, 2017
FloridaNotaryService.com

My Commission Expires:

Notary Public (print name under signature)

ADAM MORRISON
MY COMMISSION #FF049749
EXPIRES August 29, 2017
FloridaNotaryService.com

EXHIBIT A

Commence at the Northeast corner of Section 4, Township 4 South, Range 16 East, Columbia County, Florida and run North 89°36'03" West along the North line of said Section 4, a distance of 74.82 feet to a point on the Westerly Right-of-Way line of Pinemount Road (County Road 252); thence South 07°15'01" West along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 64.97 feet to the POINT OF BEGINNING; thence continue South 07°15'01" West still along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 241.92 feet to a point of curve of a curve concave to the Northwest having a radius of 1105.92 feet and a central angle of 45°36'17"; thence Southwesterly along the arc of said curve, being still said Westerly Right-of-Way line of Pinemount Road (County Road 252), a distance of 880.26 feet;

thence South 60°33'18" West along the Northwesterly Right-of-Way line of Pinemount Road (County Road 252) a distance of 584.81 feet to the point of curve of a curve concave to the Northwest having a radius of 2241.83 feet and a central angle of 00°56'58"; thence Southwesterly along the arc of said curve, being said Northwesterly Right-of-Way line of Pinemount Road (County Road 252), a distance of 37.15 feet to a point on the North line of the South 1/2 of the Northeast 1/4 of Section 4; thence North 89°35'04" West along said North line of the South 1/2 of the Northeast 1/4 of Section 4, a distance of 300.20 feet; thence South 00°04'59" East a distance of 137.52 feet to a point on the Northerly Right-of-Way line of Pinemount Road (County Road 252), said point being a point on a curve concave to the Northwest having a radius of 2241.83 feet and a central angle of 07°20'39"; thence Southwesterly along the arc of said curve, being said Northerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 287.36 feet to the point of tangency of said curve; thence South 77°15'37" West still along the said Northerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 499.97 feet; thence South 83°32'59" West still along said Northerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 100.66 feet; thence South 76°57'21" West still along said Northerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 60.19 feet to the point of curve of a curve concave to the Southeast having a radius of 2351.83 feet and a central angel of 03°29'55"; thence Southwesterly along the arc of said curve, still being said Northerly Right-of-Way line of Pinemount Road (County Road 252), a distance of 143.61 feet to the point of tangency of said curve; thence South 68°18'18" West still along said Northerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 242.87 feet to the point of curve of a curve concave to the South having a radius of 2341.83 feet and a central angel of 01°08'53"; thence Southwesterly along the arc of said curve, being still said Northerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 46.92 feet to a point on the West line of the Northeast 1/4 of Section 4; thence North 00°06'00" West along said West line of the Northeast 1/4 of Section 4, a distance of 507.62 feet to the Southwest corner of the North 1/2 of the Northeast 1/4 of Section 4; thence North 00°11'13" West along the West line of the Northeast 1/4 of Section 4, a distance of 1333.51 feet to the Northwest corner of the Northeast 1/4 of Section 4, being also the Southwest corner of the Southeast 1/4 of Section 33, Township 3 South, Range 16 East, Columbia County, Florida; thence South 89°36'03" East along the South line of said Section 33, a distance of 132.00 feet; thence North 07°18'13" East a distance of 1304.46 feet to a point on the North line of the South 1/2 of the Southeast 1/4 of Section 33; thence North 89°59'44" East along said North line of the South 1/2 of the Southeast 1/4 of Section 33, a distance of 1199.11 feet; thence South 89°38'39" East along said North line of the South 1/2 of the Southeast 1/4 of Section 33, a distance of 279.20 feet; thence South 00°02'46" West, a distance of 701.77 feet; thence South 89°57'14" East, a distance of 892.90 feet to a point on the Westerly Right-of-Way line of Pinemount Road (County Road 252); thence South 07°15'30" West along said Westerly Right-of-Way line of Pinemount Road (County Road 252), a distance of 406.76 feet; thence North 89°34'19" West a distance of 240.00 feet; thence South 07°13'13" West, a distance of 205.12 feet to a point on the South line of Section 33, being also the North line of Section 4, Township 4 South, Range 16 East, Columbia County, Florida; thence continue South 07°13'13" West a distance of 64.92 feet; thence South 89°35'26" East a distance of 249.96 feet to the POINT OF BEGINNING.

LESS AND EXCEPT:
A Parcel Of Land Situated in Section 33, Township 3 South, Range 16 East, in Columbia County, Florida, being more particularly described as follows:
Commence at the Southeast corner of the Southwest 1/4 Of Section 33, Township 3 South, Range 16 East, Said corner being monumented with a 4 inches Square Concrete Monument And Depicted on Florida Department Of Transportation Right of Way Map, Section 29010, F.P. No. 2083732; Thence run North 88°31'38" East, Along The South Line Of Said Section 33, a distance of 132.00 Feet; Thence North 05°26'21" East, A Distance Of 299.92 Feet to the Point of Beginning; Thence Continue North 05°26'21" East A Distance Of 1008.41 feet; Thence North 88°24'20" East, A

distance of 952.22 feet; Thence South 02°04'13" East a distance of 683.87 feet; Thence South 59°59'06" West, a distance Of 668.22 feet; Thence South 88°31'38" West, a distance of 493.70 feet To The Point Of Beginning.

LESS AND EXCEPT:
Lots 28 and 50, RESERVE AT JEWEL LAKE PHASE 1,a Planned Residential Development, according to the plat thereof recorded in Plat Book 9, page 89 of the Public Records of Columbia County, Florida, which has now been vacated and annulled by Resolution recorded in Official Records Book 1217, Page 521, Public Records of Columbia County, Florida.

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

33-3S-16-02439-113

Clerk's Office Stamp

Inst: 202012006404 Date: 03/17/2020 Time: 12:40PM
Page 1 of 1 B: 1408 P: 499, P.DeWitt Cason, Clerk of Court Colu
County, By: PT
Deputy Clerk

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

1. Description of property *(legal description)*: Lot 13 Reserve at Jewel Lake Phase 1 (3rd Plat) According to the Plat thereof recorded in Plat Book 9, Page(s) 123-126 of the Public Records of Columbia Co. FL
   a) Street *(job)* Address: 135 White Ash Glen, Lake City, FL 32024
2. General description of improvements: New Residential Home
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: GSMS Developers, Inc. 426 SW Commerce Dr. Lake City, FL 32025
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property 100%
4. Contractor Information
   a) Name and address: Gerald M. Smith 426 SW Commerce Dr. Ste 130, Lake City, FL 32025
   b) Telephone No.: 386.984.0978
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.:
6. Lender
   a) Name and address: N/A
   b) Phone No.
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
   a) Name and address: Milton Smith or Jessica Murphy 426 SW Commerce Dr. Ste 130, Lake City, FL 32025
   b) Telephone No.: 386.339.1634
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name: N/A OF
   b) Telephone No.:
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified):

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Milton Smith Agent
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 17th day of March, 2020, by:

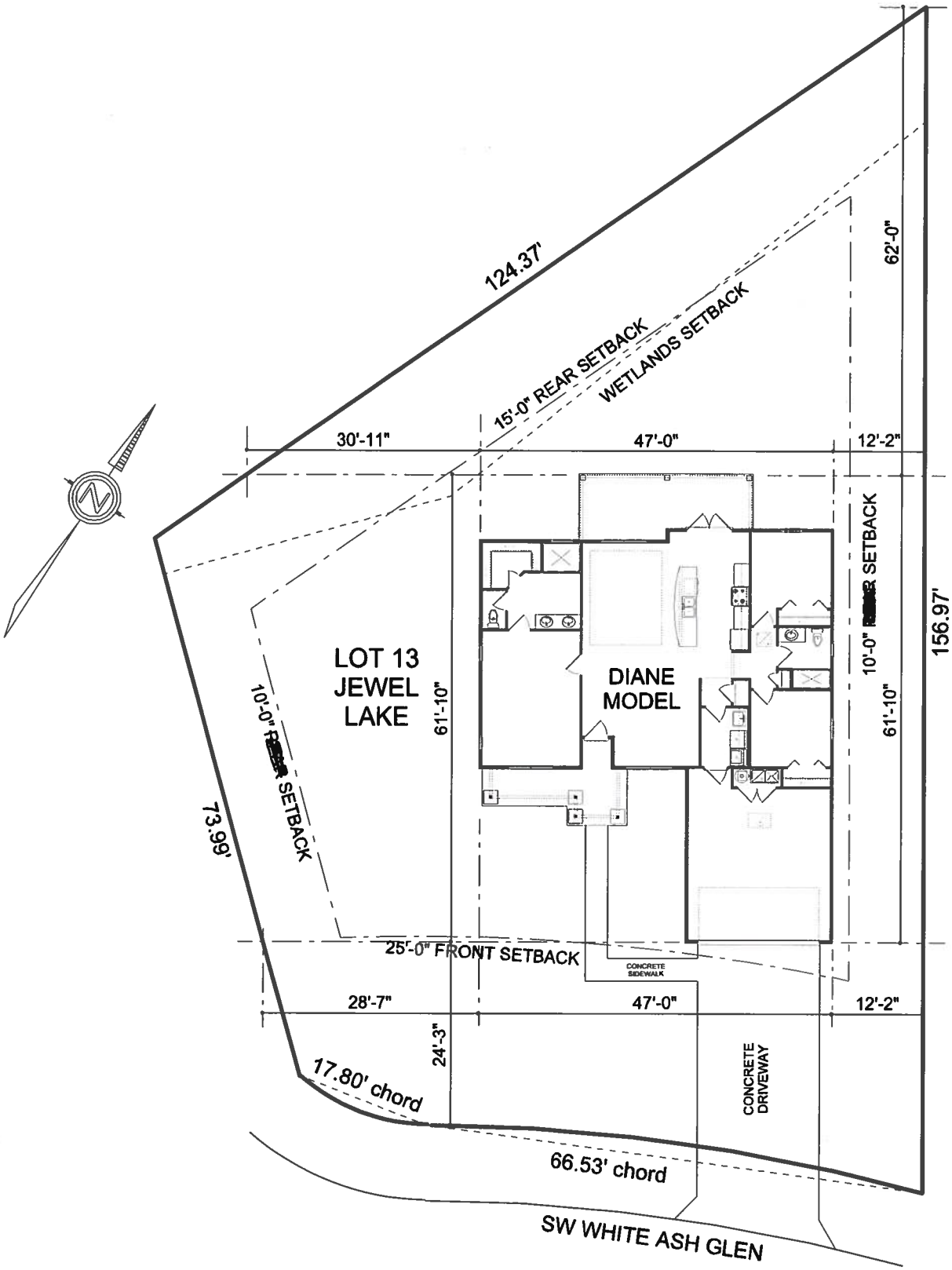
Milton Smith as Agent for GSMS Developers, Inc.
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ✓ OR Produced Identification ____ Type ____

Notary Signature Jessica Murphy

Notary Stamp or Seal:

Notary Public State of Florida
Jessica Roxanne Murphy
My Commission GG 147537
Expires 10/01/2021


124.37'
15'-0" REAR SETBACK
WETLANDS SETBACK
62'-0"
30'-11"
47'-0"
12'-2"
LOT 13
JEWEL
LAKE
DIANE
MODEL
61'-10"
10'-0" REAR SETBACK
156.97'
73.99'
25'-0" FRONT SETBACK
CONCRETE
SIDEWALK
28'-7"
47'-0"
12'-2"
24'-3"
17.80' chord
CONCRETE
DRIVEWAY
66.53' chord
SW WHITE ASH GLEN

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:	**3/21/2019 11:18:53 AM**
Address:	**135 SW WHITE ASH Gln**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32024**
Parcel ID	**02439-113**

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

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018 AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. 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, FBC 1609.3.1 THRU 1609.3.3.

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 7/1/18

Website: http://www.columbiacountyfla.com/BuildingandZoning.asp

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		Select From Drop down		
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.) 1453 Total (Sq. Ft.) under roof	Yes	No	NA

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 107.1.

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details are required.

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	Yes	No	NA
		Select From Drop down		
9	Basic wind speed (3-second gust), miles per hour	Yes		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	Yes		
11	Wind importance factor and nature of occupancy	Yes		
12	The applicable internal pressure coefficient, Components and Cladding	Yes		
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.	Yes		

Elevations Drawing including:

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

Floor Plan Including:

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	Yes		
22	Raised floor surfaces located more than 30 inches above the floor or grade	NA		
23	All exterior and interior shear walls indicated	Yes		
24	Shear wall opening shown (Windows, Doors and Garage doors)	Yes		
25	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.	Yes		
26	Safety glazing of glass where needed	NA		
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	NA		
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	NA		
29	Identify accessibility of bathroom (see FBCR SECTION 320)	Yes		

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

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

FBCR 403: Foundation Plans

Select From Drop down

30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	Yes		
31	All posts and/or column footing including size and reinforcing	Yes		
32	Any special support required by soil analysis such as piling.	Yes		
33	Assumed load-bearing valve of soil 386.688.931{ Pound Per Square Foot			
34	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	Yes		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

37	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**	Yes		

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

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

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

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

Select from Drop down

53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes		
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes		
55	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	Yes		
56	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	Yes		
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	Yes		
58	Indicate where pressure treated wood will be placed	Yes		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes		
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes		

FBCR :ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC-R 802.10. 1 Wood trusses	Yes		
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	Yes		
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	Yes		
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	Yes		
65	Provide dead load rating of trusses	Yes		

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assembles covering	Yes		
73	Submit Florida Product Approval numbers for each component of the roof assembles covering	Yes		

FBCR Chapter 11 Energy Efficiency Code for Residential Building

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		Select from Drop Down		
74	Show the insulation R value for the following areas of the structure	Yes		
75	Attic space	Yes		
76	Exterior wall cavity	Yes		
77	Crawl space	NA		

HVAC information

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

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundationplan	Yes		
82	Show the location of water heater	Yes		

Private Potable Water

83	Pump motor horse power	NA		
84	Reservoir pressure tank gallon capacity	NA		
85	Rating of cycle stop valve if used	NA		

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	Yes		
87	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**	Yes		
88	Show the location of smoke detectors & Carbon monoxide detectors	Yes		
89	Show service panel, sub-panel, location(s) and total ampere ratings	Yes		
90	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	Yes		
91	Appliances and HVAC equipment and disconnects	Yes		
92	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.	Yes		

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 performed.

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

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

Select from Drop down

93	**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		
94	**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		
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	NA		
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031	Yes		
97	**Toilet facilities shall be provided for all construction sites**			
98	**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.	NA		
99	**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 (Municode.com)	NA		
100	**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.	Yes		
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is $50.00	NA		
102	**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.	NA		
103	**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		

Ordinance Sec. 90-75. - Construction debris. (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

As required by Florida Statute §53.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the [illegible] components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide [illegible] products are listed online: @ www.floridabuilding.org

Building Component	Manufacturer	Product Description	Approval #
1. EXTERIOR DOORS			
A. Swinging	MASONITE	Ext Doors	FL 8228-R7
B. Sliding			
C. Sectional/Roll up			
D. Other			
2. WINDOWS			
A. Single/Double Hung	MI Homeglass	Windows	FL 12670-R1
B. Horizontal Slider			
C. Casement			
D. Fixed	"	window	FL 18644
E. Awning			
F. Storms			
G. Other			
3. PANEL WALL			
A. Siding	James Hardie	Siding	FL 13192-R4
B. Soffit	CAMCAN	soffit	FL 16502
C. Soffit Board			
D. Glass Block			
E. Other			
4. ROOFING PRODUCTS			
A. Asphalt Shingles	GAF	Arch Shingles	FL 10124-R19
B. Built-Up/Modified Metal			
C. Clay Tiles			
D. Built-Up/EPS Roofs			
E. Other			
for MF Building	GAF	Underlayment	FL 15987-R5
5. STRUCTURAL COMPONENTS			
A. Truss Connectors	Simpson	Connectors	FL 13872-R2
B. Wood Anchors			
C. Truss Plates			
D. Insulation Forms			
E. Wheels			
F. Drywall			
6. Other Structural			
7. Other Products			

This product sheet below did not demonstrate product approval at plan review. I understand that at the time of installation of these products, the following must be available to the inspector on the jobsite: 1) copy of the product approval, 2) performance characteristics which the product was 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.

Contractor OR Agent Signature Date NOTES:

Residential System Sizing Calculation

Summary

Project Title:
Lot 13 Jewel Lake

Lake City, FL 32025

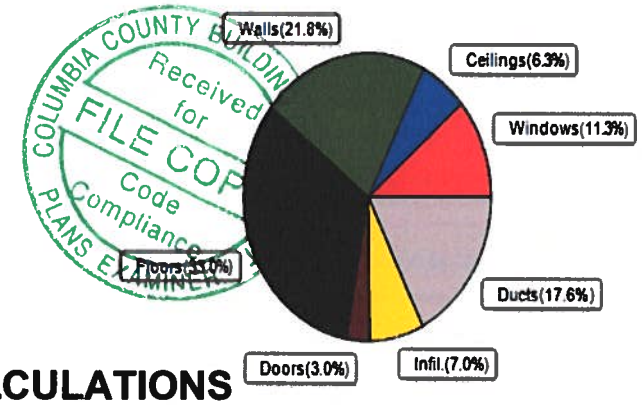
2/17/2020

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	**24491**	**Btuh**	**Total cooling load calculation**	**18301**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	100.0	24491	Sensible (SHR = 0.70)	85.2	12811
Heat Pump + Auxiliary(0.0kW)	100.0	24491	Latent	168.3	5490
			Total (Electric Heat Pump)	100.0	18301

WINTER CALCULATIONS

Winter Heating Load (for 1453 sqft)

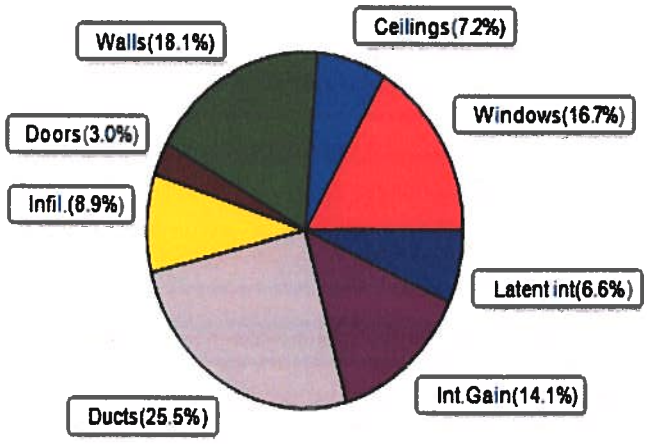
Load component			Load	
Window total	192	sqft	2765	Btuh
Wall total	1501	sqft	5327	Btuh
Door total	40	sqft	736	Btuh
Ceiling total	1526	sqft	1549	Btuh
Floor total	1453	sqft	8071	Btuh
Infiltration	39	cfm	1722	Btuh
Duct loss			4321	Btuh
Subtotal			**24491**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**24491**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1453 sqft)

Load component			Load	
Window total	192	sqft	3054	Btuh
Wall total	1501	sqft	3306	Btuh
Door total	40	sqft	552	Btuh
Ceiling total	1526	sqft	1317	Btuh
Floor total			0	Btuh
Infiltration	29	cfm	613	Btuh
Internal gain			2580	Btuh
Duct gain			3616	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**15039**	**Btuh**
Latent gain(ducts)			1045	Btuh
Latent gain(infiltration)			1018	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**3263**	**Btuh**
TOTAL HEAT GAIN			**18301**	**Btuh**



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EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 2/19/2020

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Lot 13 Jewel Lake
Building Type: User

Lake City, FL 32025

2/17/2020

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 0.25	Vinyl	0.36	S	30.0	14.4	432 Btuh
2	2, NFRC 0.25	Vinyl	0.36	S	30.0	14.4	432 Btuh
3	2, NFRC 0.25	Vinyl	0.36	E	15.0	14.4	216 Btuh
4	2, NFRC 0.25	Vinyl	0.36	E	6.0	14.4	86 Btuh
5	2, NFRC 0.25	Vinyl	0.36	N	15.0	14.4	216 Btuh
6	2, NFRC 0.25	Vinyl	0.36	N	30.0	14.4	432 Btuh
7	2, NFRC 0.25	Vinyl	0.36	N	40.0	14.4	576 Btuh
8	2, NFRC 0.25	Vinyl	0.36	N	6.0	14.4	86 Btuh
9	2, NFRC 0.25	Vinyl	0.36	E	20.0	14.4	288 Btuh
	Window Total				192.0(sqft)		2765 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	93	3.55	330 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	16	3.55	57 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	16	3.55	57 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	36	3.55	128 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	59	3.55	208 Btuh
6	Frame - Wood	- Adj	(0.089)	13.0/0.0	156	3.55	552 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	353	3.55	1251 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	83	3.55	293 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	72	3.55	256 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	78	3.55	277 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	95	3.55	337 Btuh
13	Frame - Wood	- Ext	(0.089)	13.0/0.0	110	3.55	389 Btuh
14	Frame - Wood	- Ext	(0.089)	13.0/0.0	272	3.55	964 Btuh
	Wall Total				1501(sqft)		5327 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.460)	20	18.4	368 Btuh
2	Insulated - Garage,	n	(0.460)	20	18.4	368 Btuh
	Door Total			40(sqft)		736Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing	(0.025)	38.0/0.0	1526	1.0	1549 Btuh
	Ceiling Total			1526(sqft)		1549Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	171.0 ft(perim.)	47.2	8071 Btuh
	Floor Total			1453 sqft		8071 Btuh

	Envelope Subtotal:	18449 Btuh

Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.18	13077	1.00	39.3	1722 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Lot 13 Jewel Lake
Building Type: User

Lake City, FL 32025

2/17/2020

Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.214)	4321 Btuh
All Zones	**Sensible Subtotal All Zones**	**24491 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	24491 Btuh 0 Btuh 24491 Btuh

EQUIPMENT

1. Electric Heat Pump	#	24491 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

Project Title:
Lot 13 Jewel Lake

Lake City, FL 32025

2/17/2020

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

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.25, 0.36		No	No	S	5.5ft.	1.0ft.	30.0	30.0	0.0	12	14	363 Btuh
2	2 NFRC	0.25, 0.36		No	No	S	1.5ft.	1.0ft.	30.0	30.0	0.0	12	14	363 Btuh
3	2 NFRC	0.25, 0.36		No	No	E	1.5ft.	1.0ft.	15.0	0.7	14.3	12	31	450 Btuh
4	2 NFRC	0.25, 0.36		No	No	E	1.5ft.	1.0ft.	6.0	0.5	5.5	12	31	176 Btuh
5	2 NFRC	0.25, 0.36		No	No	N	1.5ft.	1.0ft.	15.0	0.0	15.0	12	12	181 Btuh
6	2 NFRC	0.25, 0.36		No	No	N	1.5ft.	1.0ft.	30.0	0.0	30.0	12	12	363 Btuh
7	2 NFRC	0.25, 0.36		No	No	N	10.2f	1.0ft.	40.0	0.0	40.0	12	12	484 Btuh
8	2 NFRC	0.25, 0.36		No	No	N	1.5ft.	2.0ft.	6.0	0.0	6.0	12	12	73 Btuh
9	2 NFRC	0.25, 0.36		No	No	E	1.5ft.	1.0ft.	20.0	1.0	19.0	12	31	600 Btuh
	Window Total								192 (sqft)					3054 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	93.0	2.3	210 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	16.0	2.3	36 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	16.0	2.3	36 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	36.0	2.3	81 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.0	58.5	2.3	132 Btuh
6	Frame - Wood - Adj	0.09	13.0/0.0	155.5	1.7	262 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.0	352.5	2.3	798 Btuh
8	Frame - Wood - Ext	0.09	13.0/0.0	82.5	2.3	187 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	72.0	2.3	163 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.0	78.0	2.3	177 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.0	95.0	2.3	215 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.0	109.5	2.3	248 Btuh
14	Frame - Wood - Ext	0.09	13.0/0.0	271.5	2.3	614 Btuh
	Wall Total			1501 (sqft)		3306 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	13.8	276 Btuh
2	Insulated - Garage	20.0	13.8	276 Btuh
	Door Total	40 (sqft)		552 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle/RB	0.025	38.0/0.0	1526.0	0.86	1317 Btuh
	Ceiling Total			1526 (sqft)		1317 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1453 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1453.0 (sqft)		0 Btuh

	Envelope Subtotal:	8229 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Lot 13 Jewel Lake

Lake City, FL 32025

2/17/2020

Infiltration	Type Natural	Average ACH 0.14	Volume(cuft) 13077	Wall Ratio 1		CFM= 29.5	Load 613	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230		+	Appliance 1200	Load 2580	Btuh
					Sensible Envelope Load:		11423	Btuh
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)				(DGM of 0.317)		3616	Btuh
					Sensible Load All Zones		**15039**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Lot 13 Jewel Lake

Lake City, FL 32025

2/17/2020

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**11423 Btuh**
	Sensible Duct Load	3616 Btuh
	Total Sensible Zone Loads	**15039 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**15039 Btuh**
Totals for Cooling	Latent infiltration gain (for 51 gr. humidity difference)	1018 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1045 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**3263 Btuh**
	TOTAL GAIN	**18301 Btuh**

EQUIPMENT

1. Central Unit	#	18301 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

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Lot 13 Jewel Lake	Builder Name:	Sorensen & Smith, LLC.
Street:		Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32025	Permit Number:	
Owner:		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)	1453
Conditioned floor area below grade (ft²)	0

7. Windows (192.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.36	192.00 ft²
SHGC:	SHGC=0.25	
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:		3.931 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (1453.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1453.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1732.5 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1557.00 ft²
b. Frame - Wood, Adjacent	R=13.0	175.50 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1526.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	1526.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	363

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	18.3	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	24.5	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 50 gallons
	EF: 0.920
b. Conservation features	
None	
15. Credits	CV, Pstat

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

Glass/Floor Area: 0.132

Total Proposed Modified Loads: 44.19

Total Baseline Loads: 45.48

PASS

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

PREPARED BY: _____

DATE: 2/19/2020

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

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 5.00 ACH50 (R402.4.1.2).**

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Lot 13 Jewel Lake	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1453	Lot #	13
Owner Name:		Total Stories:	1	Block/Subdivision:	Jewel Lake
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Sorensen & Smith, LLC.	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:	Yes	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Lake City , FL , 32025
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	1453	13077

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1453	13077	Yes	6	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulation	Main	171 ft	0	1453 ft²	----	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
____	1	Hip	Composition shingles	1746 ft²	0 ft²	Medium	Y	0.96	No	0.9	No	0	33.7

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	1453 ft²	Y	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	Main	38	Double Batt	1526 ft²	0.11	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	S	Exterior	Frame - Wood	Main	13	13	8	9		123.0 ft²		0.23	0.75	0
____	2	E	Exterior	Frame - Wood	Main	13	4		9		36.0 ft²		0.23	0.75	0
____	3	S	Exterior	Frame - Wood	Main	13	4		9		36.0 ft²		0.23	0.75	0
____	4	W	Exterior	Frame - Wood	Main	13	4		9		36.0 ft²		0.23	0.75	0
____	5	S	Exterior	Frame - Wood	Main	13	9	10	9		88.5 ft²		0.23	0.75	0
____	6	S	Garage	Frame - Wood	Main	13	19	6	9		175.5 ft²		0.23	0.75	0
____	7	E	Exterior	Frame - Wood	Main	13	41	6	9		373.5 ft²		0.23	0.75	0
____	8	N	Exterior	Frame - Wood	Main	13	10	10	9		97.5 ft²		0.23	0.75	0
____	9	E	Exterior	Frame - Wood	Main	13	7	2	9		64.5 ft²		0.23	0.75	0
____	10	N	Exterior	Frame - Wood	Main	13	11	4	9		102.0 ft²		0.23	0.75	0
____	11	W	Exterior	Frame - Wood	Main	13	8	8	9		78.0 ft²		0.23	0.75	0
____	12	N	Exterior	Frame - Wood	Main	13	15	0	9		135.0 ft²		0.23	0.75	0
____	13	N	Exterior	Frame - Wood	Main	13	12	10	9		115.5 ft²		0.23	0.75	0
____	14	W	Exterior	Frame - Wood	Main	13	30	2	9		271.5 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	S	Insulated	Main	None	.46	3		6	8	20 ft²
_____	2	S	Insulated	Main	None	.46	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	5 ft 6 in	1 ft 0 in	None	None
_____	2	S	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	3	E	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	4	E	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	5	N	8	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	6	N	10	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	7	N	12	Vinyl	Low-E Double	Yes	0.36	0.25	N	40.0 ft²	10 ft 2 in	1 ft 0 in	None	None
_____	8	N	13	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft²	1 ft 6 in	2 ft 0 in	None	None
_____	9	E	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	1 ft 6 in	1 ft 0 in	None	None

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	396.4935 ft²	396.4935 ft²	62.5 ft	9 ft	1

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1089.8	59.83	112.51	.1128	5

HEATING SYSTEM

√	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	Single	HSPF:8.2	24.49 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	Single	SEER: 14	18.3 kBtu/hr	540 cfm	0.7	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.92	50 gal	40 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	Cool
_____	1	Attic	6	363 ft²	Attic	73 ft²	Default Leakage	Garage	(Default) c	(Default) c			1	1

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]	[ ]

INPUT SUMMARY CHECKLIST REPORT

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	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

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. 1453
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.360
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.250
c) Area	7c. 192.0
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. Yes

12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Garage
13. Cooling system:	Capacity 18.3
a) Split system	SEER
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	14.0
14. Heating system:	Capacity 24.5
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	8.20
15. Water heating system	
a) Electric resistance	EF 0.92
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	Yes
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 32025

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: Sorensen & Smith, LLC. Community: Lot: 13

Address:

City: Lake City State: FL Zip: 32025

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): 5.000

_____ x 60 + 13077 = _____
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 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*.

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

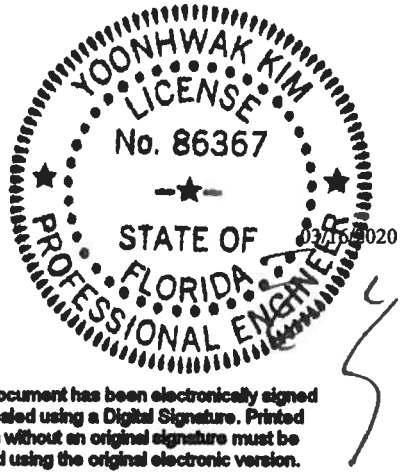
Company Name: _____ Phone: _____

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: _____

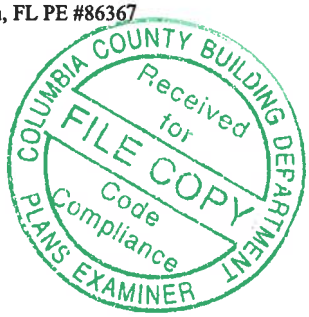


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

ALPINE
AN ITW COMPANY

FL REG# 278, Yoonhwak Kim, FL PE #86367

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:* 20-4018
Job Description: /Lot 13 Jewel Lake /Guy Sorensen Milton Smith	
Address:	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 18.02.01B *JRef #:* 1WTM2150014
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 41 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	076.20.1456.10527	A01
3	076.20.1456.15310	A03
5	076.20.1456.21120	A05
7	076.20.1456.25487	A07
9	076.20.1456.33833	A09
11	076.20.1456.40487	B02
13	076.20.1456.54843	B04
15	076.20.1457.06950	C01
17	076.20.1457.14670	D01
19	076.20.1457.20810	J01
21	076.20.1457.25410	J02A
23	076.20.1457.28563	J03A
25	076.20.1457.43330	HJ05
27	076.20.1457.47453	J07
29	076.20.1457.53607	V01
31	076.20.1457.56303	V03
33	076.20.1457.59387	V05
35	076.20.1458.01903	V07
37	076.20.1458.04407	V09
39	076.20.1458.06820	V11
41	076.20.1458.11647	V13
43	A14015ENC101014	
45	VAL160101014	

Item	Drawing Number	Truss
2	076.20.1456.12540	A02
4	076.20.1456.17973	A04
6	076.20.1456.23217	A06
8	076.20.1456.28737	A08
10	076.20.1456.38713	B01
12	076.20.1456.41823	B03
14	076.20.1457.00480	B05
16	076.20.1457.08820	C02
18	076.20.1457.17853	D02
20	076.20.1457.22820	J02
22	076.20.1457.27200	J03
24	076.20.1457.34140	J04
26	076.20.1457.46180	J06
28	076.20.1457.50580	HJ08
30	076.20.1457.54983	V02
32	076.20.1457.58097	V04
34	076.20.1458.00610	V06
36	076.20.1458.03273	V08
38	076.20.1458.05683	V10
40	076.20.1458.08097	V12
42	BRCLBSUB0119	
44	GBLLETIN0118	

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 AWC. 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.

Fire Retardant Treated Lumber:
Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

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.

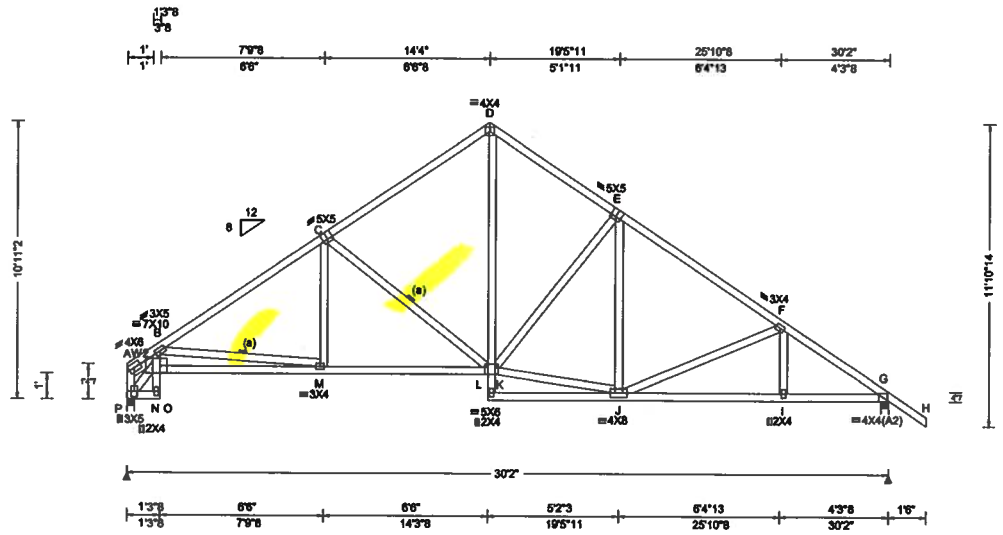
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
g = green lumber.
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.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
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 vertical Deflection due to creep, 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(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
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. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.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, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 294286 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A01		Cust: R 215 JRef: 1WTM2150014 T16 DrwNo: 076.20.1456.10527 / YK 03/16/2020



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: 3.02 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): 0.094	K	999	240
VERT(CL): 0.196	K	999	180
HORZ(LL): 0.121	I	-	-
HORZ(TL): 0.252	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.613
Max BC CSI: 0.947
Max Web CSI: 0.770

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1258	/-	/-	/725	/7	/308
G	1380	/-	/-	/844	/13	/-

Wind reactions based on MWFRS
P Brg Width = 3.5 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.6
Bearings P & 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	560	-3110	D - E	357	-1315
B - C	368	-1849	E - F	353	-1591
C - D	356	-1336	F - G	366	-1964

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	2763	-779	J - I	1575	-226
M - K	1453	-151	I - G	1577	-226

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	205	-1134	C - K	190	-566
A - N	2648	-490	D - K	1010	-263
P - N	376	-474	K - J	1248	-96
N - B	917	-441	J - F	142	-377
B - M	631	-1380			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2;

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 10-11-2.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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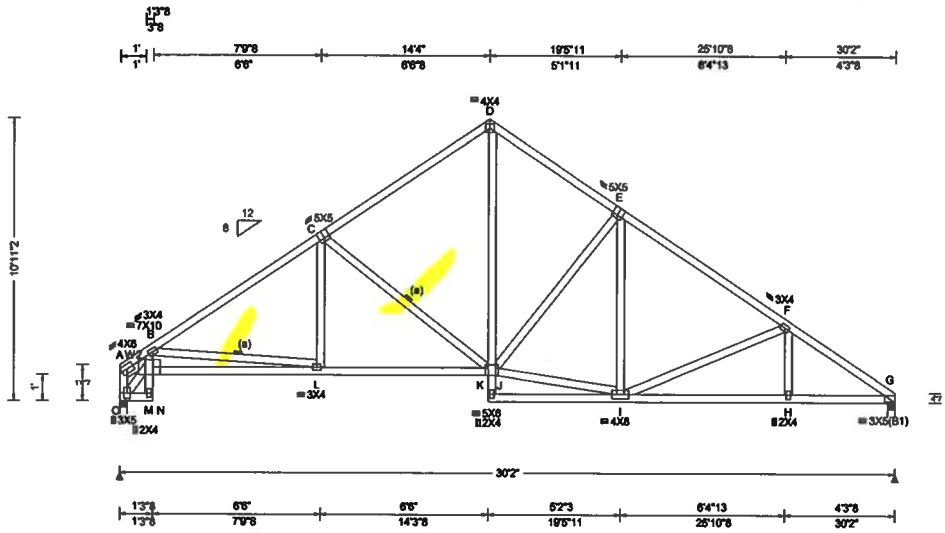
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294283 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A02		Cust: R 215 JRef: 1WTM2150014 T30 DrwNo: 076.20.1456.12540 / YK 03/16/2020



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: 3.02 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): 0.093	J	999	240
VERT(CL): 0.196	J	999	180
HORZ(LL): 0.119	H	-	-
HORZ(TL): 0.249	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.613
Max BC CSI: 0.947
Max Web CSI: 0.771

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1261	/-	/-	/725	/7	/284
G	1274	/-	/-	/753	/7	/-

Wind reactions based on MWFRS
O Brg Width = 3.5 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.5
Bearings O & 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	635	-3117	D - E	373	-1320
B - C	376	-1854	E - F	368	-1601
C - D	362	-1342	F - G	401	-1997

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	2769	-667	I - H	1610	-278
L - J	1457	-168	H - G	1611	-278

Maximum Web Forces Per Ply (lbs)

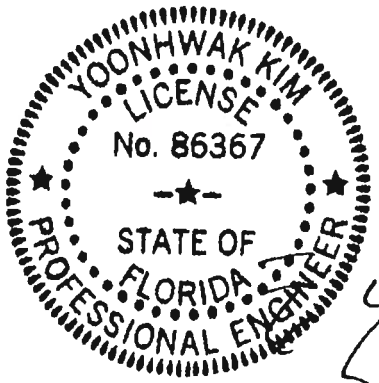
Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	197	-1137	C - J	194	-566
A - M	2654	-553	D - J	1016	-270
O - M	351	-428	J - I	1256	-129
M - B	886	-384	I - F	169	-406
B - L	564	-1343			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2;

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 10-11-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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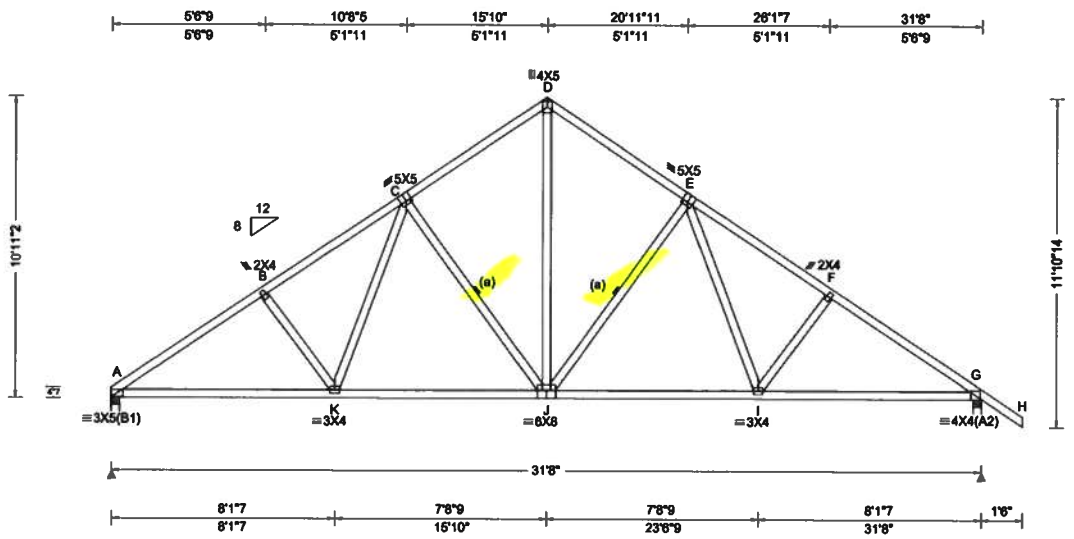
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294289 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A03	Cust: R 215 JRef: 1WTM2150014 T29 DrwNo: 076.20.1456.15310 / YK 03/16/2020



Loading Criteria (psf)
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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: 3.17 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): 0.077	J	999	240
VERT(CL): 0.161	J	999	180
HORZ(LL): 0.035	I	-	-
HORZ(TL): 0.072	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.353
Max BC CSI: 0.791
Max Web CSI: 0.625

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1328	/-	/-	/785	/8	/331
G	1437	/-	/-	/877	/15	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.6
G Brg Width = 3.5 Min Req = 1.7
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	412	-2006	D - E	379	-1286
B - C	441	-1814	E - F	414	-1799
C - D	384	-1286	F - G	384	-1990

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	1595	-233	J - I	1295	-114
K - J	1300	-112	I - G	1576	-218

Maximum Web Forces Per Ply (lbs)

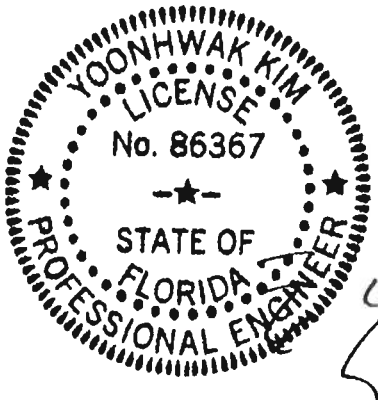
Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - C	439	-104	J - E	196	-512
C - J	199	-520	E - I	431	-84
D - J	990	-289			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 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 10-11-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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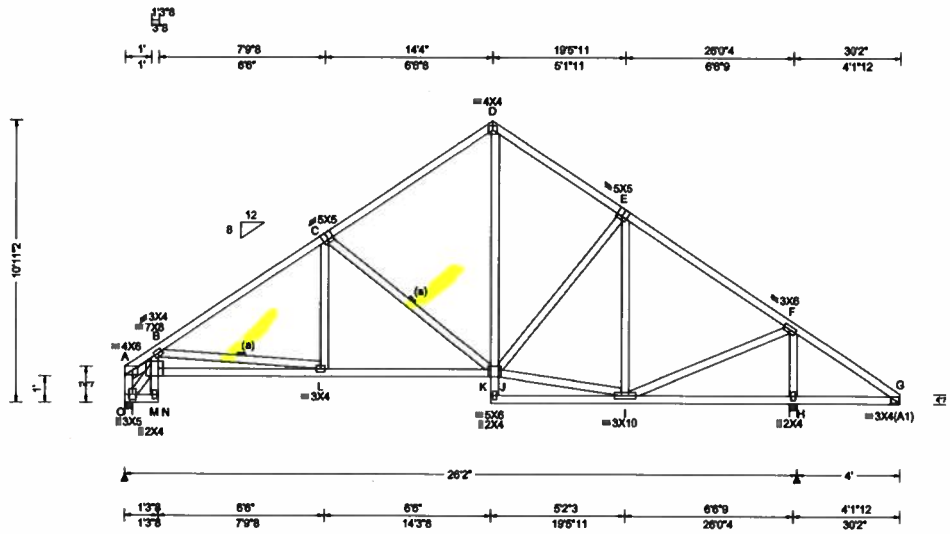
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294279 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A04	Cust: R215 JRef: 1WTM2150014 T50 DrwNo: 076.20.1456.17973 / YK 03/16/2020



Loading Criteria (psf)

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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: 3.02 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): 0.066	L	999	240
VERT(CL): 0.141	L	999	180
HORZ(LL): 0.089	I	-	-
HORZ(TL): 0.190	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.592
Max BC CSI: 0.884
Max Web CSI: 0.872

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1079	/-	/-	/631	/8	/284
H	1470	/-	/-	/950	/0	/-

Wind reactions based on MWFRS
O Brg Width = 3.5 Min Req = 1.5
H Brg Width = 3.5 Min Req = 1.5
Bearings O & H 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	561	-2682	D - E	306	-984
B - C	322	-1530	E - F	254	-1005
C - D	307	-1009			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	2394	-756	L - J	1185	-171

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	208	-968	D - J	644	-208
A - M	2289	-491	J - I	754	-45
O - M	351	-415	E - I	99	-401
M - B	840	-403	I - F	908	-125
B - L	588	-1289	F - H	341	-1338
C - J	195	-572			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

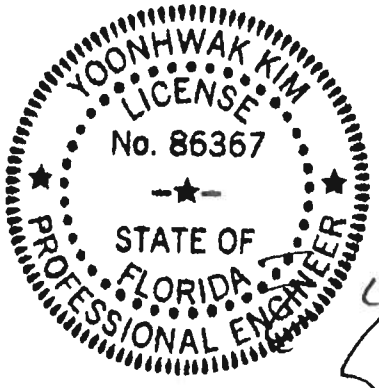
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-11-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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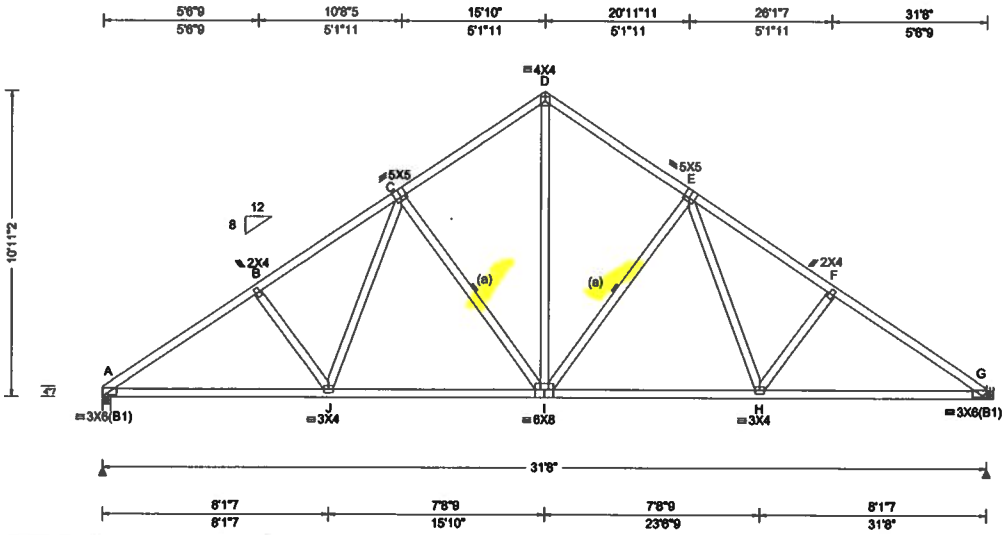
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294292 COMN FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A05		Cust: R215 JRef:1WTM2150014 T19 DrwNo: 076.20.1456.21120 / YK 03/16/2020



Loading Criteria (psf)
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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: 3.17 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): 0.097	I	999	240
VERT(CL): 0.186	I	999	180
HORZ(LL): 0.043	H	-	-
HORZ(TL): 0.083	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.318
Max BC CSI: 0.898
Max Web CSI: 0.629

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1465	/-	/-	/786	/209	/296
G	1463	/-	/-	/785	/209	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.7
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	-2256	D - E	386	-1476
B - C	442	-2064	E - F	443	-2070
C - D	386	-1476	F - G	414	-2262

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	1799	-265	I - H	1488	-148
J - I	1485	-147	H - G	1806	-266

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	476	-104	I - E	199	-569
C - I	199	-566	E - H	484	-105
D - I	1200	-291			

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

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=31'5" uses the following support conditions: 31'5"
Bearing G (31'5", 9") HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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 placed in vertical orientation is 10-11-2.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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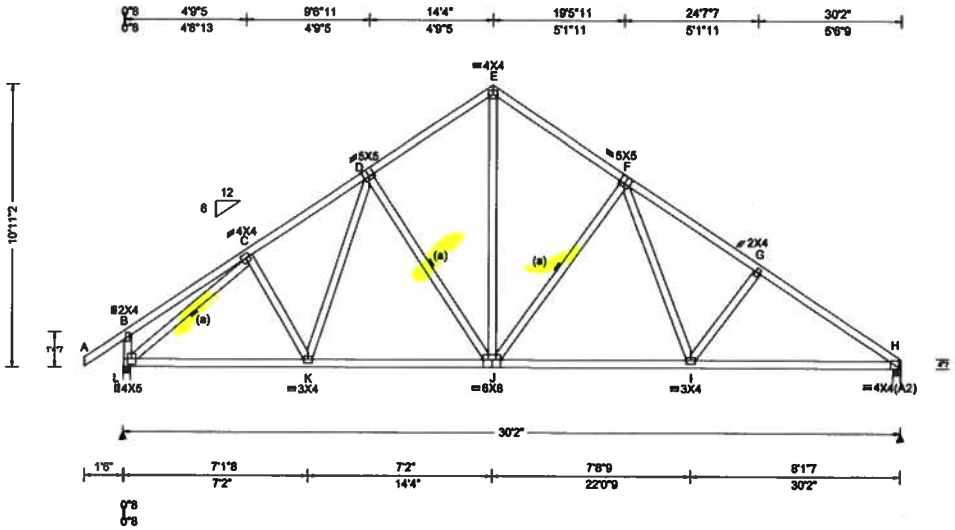
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294273 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A06		Cust: R 215 JRef: 1WTM2150014 T21 DrwNo: 076.20.1456.23217 / YK 03/16/2020



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: 3.02 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): 0.079	F	999	240
VERT(CL): 0.149	F	999	180
HORZ(LL): 0.037	I	-	-
HORZ(TL): 0.070	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.301
Max BC CSI: 0.834
Max Web CSI: 0.592

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1504	/-	/-	/815	/224	/318
H	1397	/-	/-	/752	/199	/-

Wind reactions based on MWFRS
L Brg Width = 3.5 Min Req = 1.8
H Brg Width = 3.5 Min Req = 1.6
Bearings L & H 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.
C - D	373	-1696	F - G	420	-1948
D - E	364	-1344	G - H	391	-2140
E - F	365	-1353			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	1341	-169	J - I	1386	-127
K - J	1270	-105	I - H	1703	-246

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - C	224	-1760	J - F	199	-573
D - J	169	-404	F - I	485	-103
E - J	1073	-273			

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

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

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 10-11-2.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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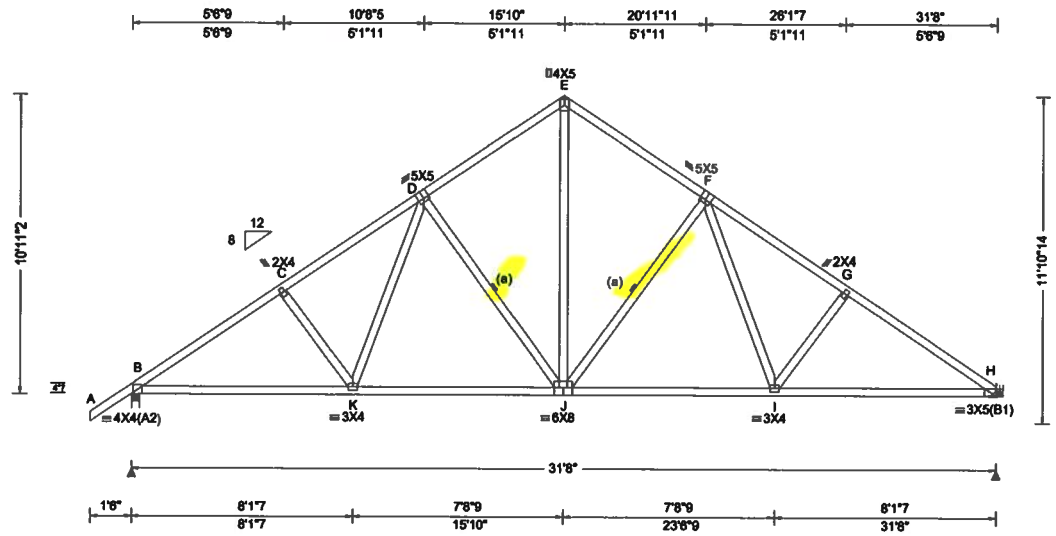
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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: 294295 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A07		Cust: R 215 JRef: 1WTM2150014 T4 DrwNo: 076.20.1456.25487 / YK 03/16/2020



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: 3.17 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): 0.077	J	999	240
VERT(CL): 0.161	J	999	180
HORZ(LL): 0.035	I	-	-
HORZ(TL): 0.073	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.353
Max BC CSI: 0.798
Max Web CSI: 0.626

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1438	/-	/-	/877	/235	/331
H	1327	/-	/-	/785	/208	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.7
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	384	-1992	E - F	384	-1287
C - D	413	-1800	F - G	441	-1820
D - E	379	-1288	G - H	412	-2012

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1577	-248	J - I	1303	-142
K - J	1297	-144	I - H	1602	-264

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - D	431	-84	J - F	199	-523
D - J	196	-512	F - I	444	-105
E - J	991	-289			

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

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=31'5" uses the following support conditions: 31'5"
Bearing H (31'5", 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

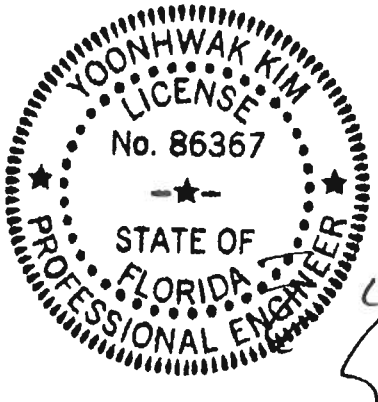
Wind

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 10-11-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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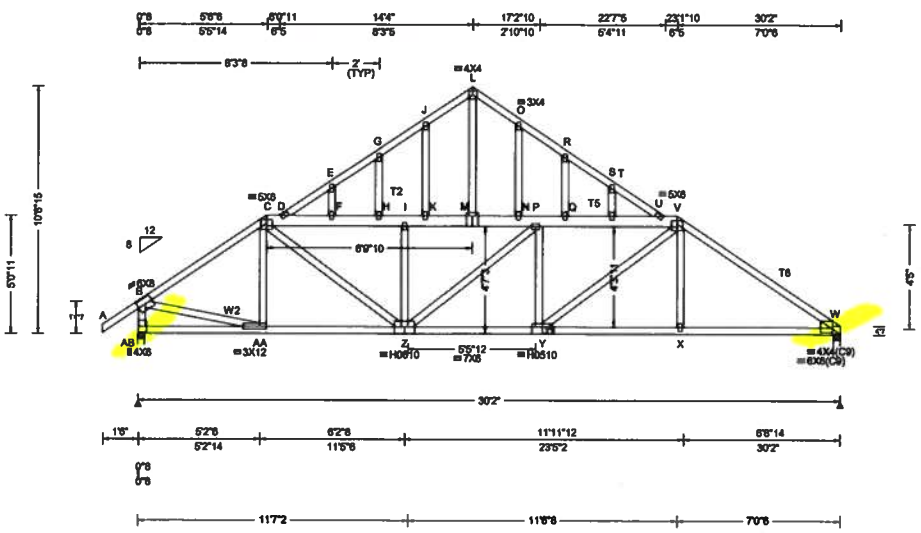
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294306 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A08	Cust: R 215 JRef: 1WTM2150014 T11 DrwNo: 076.20.1456.28737 / YK 03/16/2020	



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: 3.02 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, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.185	S	999	240
VERT(CL): 0.370	S	973	180
HORZ(LL): 0.064	X	-	-
HORZ(TL): 0.132	X	-	-

Creep Factor: 2.0
Max TC CSI: 0.629
Max BC CSI: 0.720
Max Web CSI: 0.751

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
AB	3133 / -	/ -	/ -	/725	/ -
W	3016 / -	/ -	/ -	/668	/ -

Wind reactions based on MWFRS
AB Brg Width = 3.5 Min Req = 2.6
W Brg Width = 3.5 Min Req = 2.5
Bearings AB & W 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	927	-4023	L - O	218	-780
C - D	1065	-4601	M - N	912	-4013
D - E	244	-873	N - P	910	-4008
D - F	903	-3994	O - R	214	-780
E - G	218	-794	P - Q	951	-4221
F - H	907	-4001	Q - S	948	-4214
G - J	215	-782	R - T	219	-795
H - I	910	-4008	S - U	944	-4207
I - K	910	-4008	T - U	244	-874
J - L	218	-780	U - V	1107	-4813
K - M	912	-4014	V - W	1133	-4965

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AA- Z	3291	-757	Y - X	4011	-906
Z - Y	4850	-1126	X - W	4031	-904

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AB	746	-3109	Z - P	69	-396
B -AA	3326	-754	L - M	459	-79
C - Z	1791	-404	Y - V	1189	-269
I - Z	234	-417	V - X	670	0

Lumber

Top chord: 2x4 SP #2; T2,T5 2x6 SP 2400f-2.0E;
T6 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W2 2x4 SP #2;
Rt Wedge: 2x4 SP #3;

Special Loads

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

TC: From	64 plf at	-1.54 to	64 plf at	5.49
TC: From	32 plf at	5.49 to	32 plf at	23.09
TC: From	64 plf at	23.09 to	64 plf at	30.12
BC: From	5 plf at	-1.54 to	5 plf at	-0.04
BC: From	20 plf at	0.00 to	20 plf at	5.49
BC: From	10 plf at	5.49 to	10 plf at	23.09
BC: From	20 plf at	23.09 to	20 plf at	30.12

TC: 371 lb Conc. Load at 5.49
TC: 193 lb Conc. Load at 7.52, 9.52,11.52,13.52 15.06,17.06,19.06,21.06
TC: 451 lb Conc. Load at 23.09
BC: 338 lb Conc. Load at 5.49
BC: 131 lb Conc. Load at 7.52, 9.52,11.52,13.52 15.06,17.06,19.06,21.06
BC: 506 lb Conc. Load at 23.09

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 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 10-6-15.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
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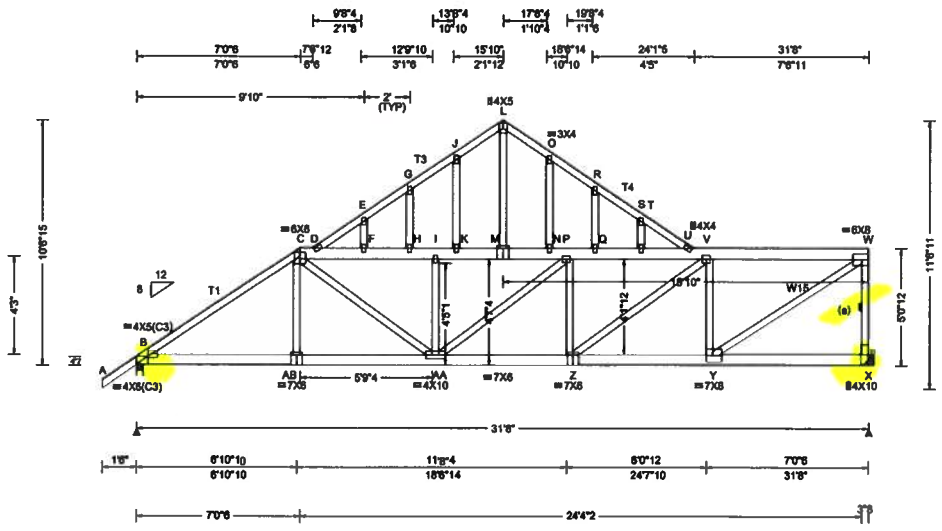
Orlando FL, 32821

SEQN: 294505 COMN FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** A09	Cust: R 215 JRef: 1WTM2150014 T18 DrwNo: 076.20.1456.33833 / YK 03/16/2020



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: 3.17 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): 0.175	F	999	240
VERT(CL): 0.354	F	999	180
HORZ(LL): 0.065	E	-	-
HORZ(TL): 0.132	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.426
Max BC CSI: 0.373
Max Web CSI: 0.894

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	3250	/-	/-	/-	/749	/-
X	3312	/-	/-	/-	/815	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 2.7
X 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	1215	-5245	L - O	249	-860
C - D	1220	-5207	M - N	1040	-4550
D - E	279	-963	N - P	1037	-4545
D - F	1030	-4531	O - R	248	-869
E - G	252	-880	P - Q	1020	-4395
F - H	1034	-4538	Q - S	1017	-4389
G - J	248	-868	R - T	256	-892
H - I	1037	-4545	S - U	1012	-4380
I - K	1037	-4545	T - U	276	-956
J - L	250	-864	U - V	1211	-5084
K - M	1040	-4550	V - W	985	-4038

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	4283	-977	AA- Z	5102	-1221
AB-AA	4262	-979	Z - Y	4179	-1030

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AB- C	682	0	Z - V	1217	-231
C -AA	1356	-317	V - Y	712	-2223
I -AA	223	-393	Y - W	4890	-1193
L - M	537	-109	W - X	824	-3102

Lumber
Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; T3, T4 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W15 2x4 SP M-31;

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

Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	64 plf at	-1.50 to	64 plf at	7.03
TC: From	32 plf at	7.03 to	32 plf at	15.83
TC: From	0 plf at	15.83 to	32 plf at	24.11
TC: From	32 plf at	24.11 to	32 plf at	31.67
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	6.89
BC: From	10 plf at	6.89 to	10 plf at	31.67

TC: 451 lb Conc. Load at 7.03
TC: 193 lb Conc. Load at 9.06,11.06,13.06,15.06 16.60,18.60,20.60,22.60,24.60,26.60,28.60,30.60
BC: 506 lb Conc. Load at 7.03
BC: 131 lb Conc. Load at 9.06,11.06,13.06,15.06 16.60,18.60,20.60,22.60,24.60,26.60,28.60,30.60

Plating Notes
All plates are 2X4 except as noted.

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

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 10-6-15.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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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

Hangers / Ties

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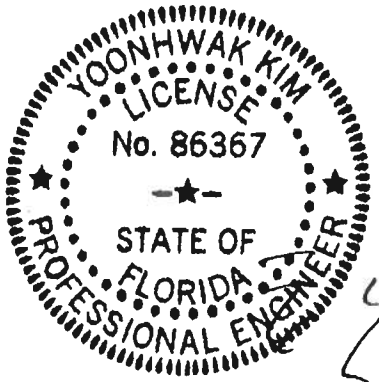
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=31'5" uses the following support conditions: 31'5"
Bearing X (31'5", 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.162"x3.5" nails into supporting member,
(6) 0.162"x3.5" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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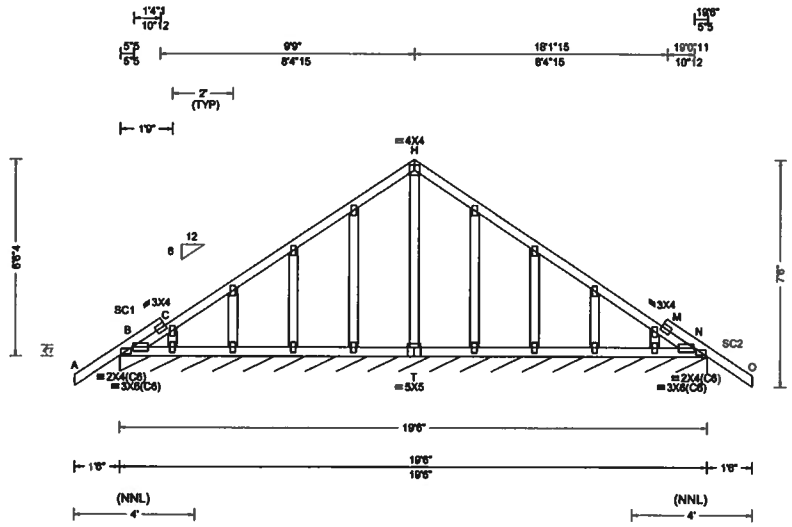
ALPINE
An ITW company
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294210 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** B01	Cust: R 215 JRef: 1WTM2150014 T2 DrwNo: 076.20.1456.38713 / YK 03/16/2020



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: Any 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): 0.001 X 999 240 VERT(CL): 0.003 X 999 180 HORZ(LL): -0.002 G - - HORZ(TL): 0.002 G - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.078 Max Web CSI: 0.088 VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or °=PLF

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
N°	95 / -	/ -	/51	/15	/12

Wind reactions based on MWFRS
N Brg Width = 234 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

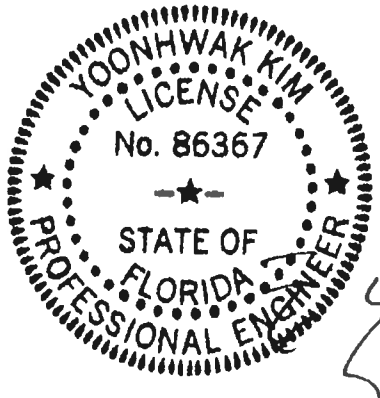
Additional Notes

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 6-6-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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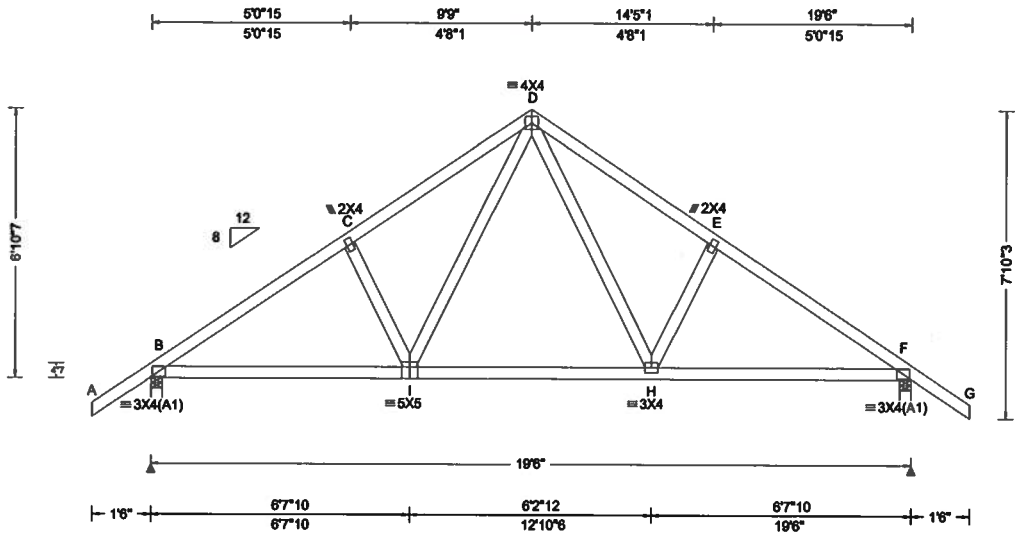
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294215 COMN FROM: CDM	Ply: 1 Qty: 10	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** B02	Cust: R 215 JRef: 1WTM2150014 T1 DrwNo: 076.20.1456.40487 / YK 03/16/2020



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): 0.032	H	999	240
VERT(CL): 0.062	H	999	180
HORZ(LL): 0.014	H	-	-
HORZ(TL): 0.027	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.269
Max BC CSI: 0.486
Max Web CSI: 0.170

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	971	/-	/-	/574	/153	/233
F	971	/-	/-	/574	/153	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
F Brg Width = 3.5 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	303	-1217	D - E	357	-1087
C - D	358	-1085	E - F	302	-1219

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	941	-128	H - F	942	-137
I - H	643	-40			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	443	-149	D - H	447	-148

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 6-10-7.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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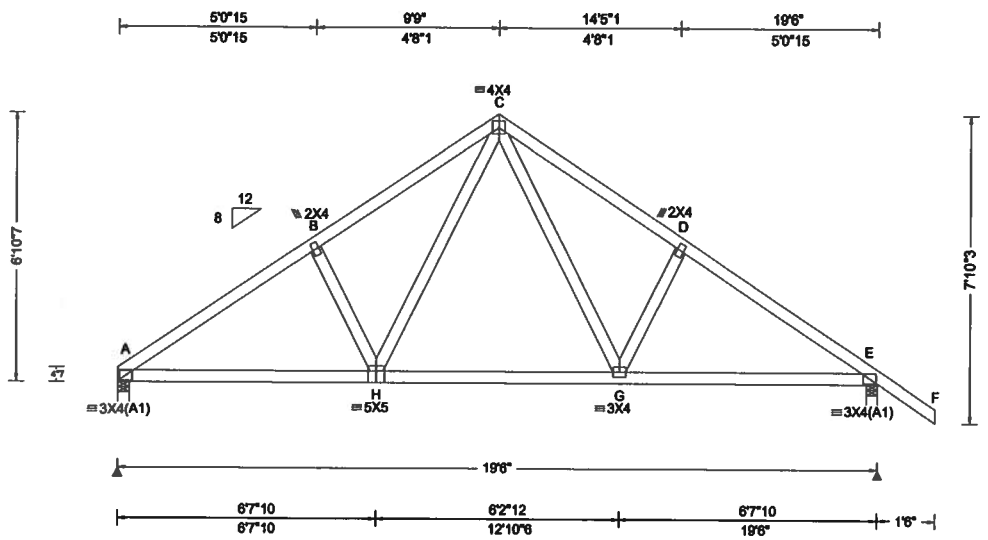
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 284222 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** B03		Cust: R 215 JRef: 1WTM2150014 T3 DrwNo: 076.20.1456.41823 / YK 03/16/2020



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): 0.026	G	999	240
VERT(CL): 0.054	G	999	180
HORZ(LL): 0.011	G	-	-
HORZ(TL): 0.023	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.246
Max BC CSI: 0.484
Max Web CSI: 0.157

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	815	/-	/-	/481	/3	/214
E	927	/-	/-	/574	/11	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.5
E Brg Width = 3.5 Min Req = 1.5
Bearings A & E 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	252	-1145	C - D	284	-1001
B - C	303	-1015	D - E	234	-1132

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	889	-108	G - E	872	-102
H - G	595	-41			

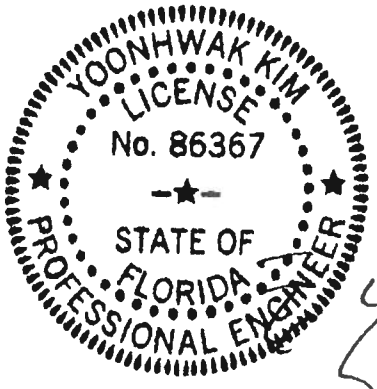
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - C	413	-123	C - G	388	-111

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 6-10-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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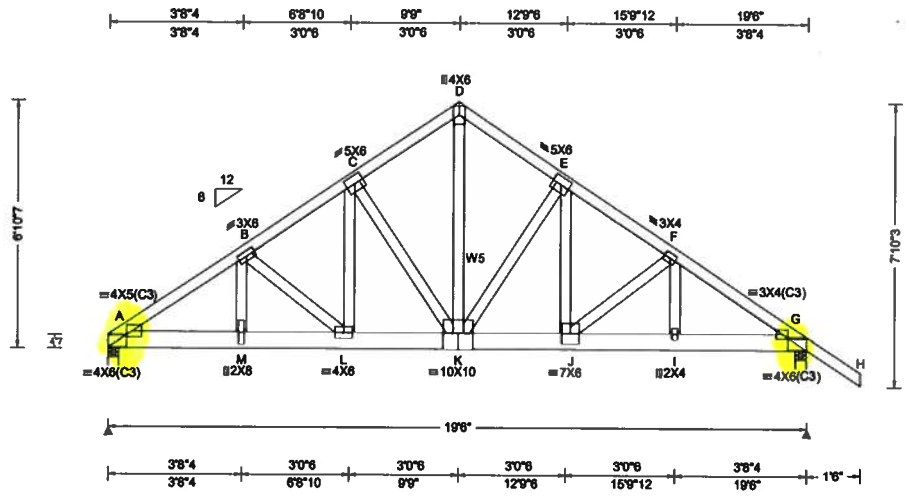
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294339 COMN FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** B04		Cust: R 215 JRef: 1WTM2150014 T20 DrwNo: 076.20.1456.54843 / YK 03/16/2020

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: 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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.115	L	999	240
VERT(CL): 0.229	L	999	180
HORZ(LL): 0.037	B	-	-
HORZ(TL): 0.073	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.546
Max BC CSI: 0.497
Max Web CSI: 0.842

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	8225 /-	/-	/-	/1392	/-
G	5362 /-	/-	/-	/1077	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 3.4
G Brg Width = 3.5 Min Req = 2.2
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	964	-5502	D - E	663	-3509
B - C	824	-4586	E - F	892	-4468
C - D	663	-3509	F - G	861	-4345

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	4555	-793	K - J	3623	-716
M - L	4527	-789	J - I	3588	-707
L - K	3711	-666	I - G	3581	-705

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	1049	-135	D - K	3728	-679
B - L	150	-977	K - E	311	-1292
L - C	1735	-238	E - J	1537	-352
C - K	219	-1451			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP #2;

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	64 plf at	0.00 to	64 plf at	21.00
BC: From	10 plf at	0.00 to	10 plf at	12.44
BC: From	20 plf at	12.44 to	20 plf at	19.50
BC: From	5 plf at	19.50 to	5 plf at	21.00

BC: 1463 lb Conc. Load at 0.44, 2.44, 4.44, 6.44 8.44
BC: 1327 lb Conc. Load at 10.44
BC: 3325 lb Conc. Load at 12.44

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 6-10-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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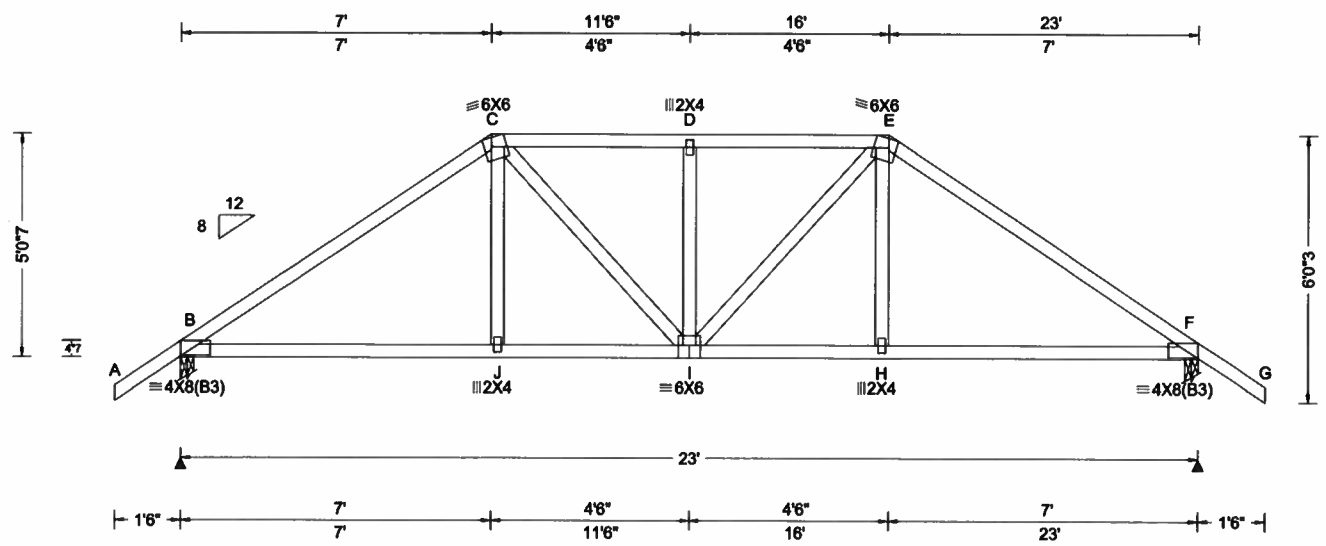
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294251 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** B05		Cust: R 215 JRef: 1WTM2150014 T6 DrwNo: 076.20.1457.00480 / YK 03/16/2020	



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: 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): 0.117	D	999	240
VERT(CL): 0.237	D	999	180
HORZ(LL): 0.043	H	-	-
HORZ(TL): 0.087	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.896
Max BC CSI: 0.480
Max Web CSI: 0.304

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2484	/-	/-	/-	/539	/-
F	2484	/-	/-	/-	/539	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 2.1
F Brg Width = 3.5 Min Req = 2.1
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	826	-3771	D - E	788	-3567
C - D	788	-3567	E - F	826	-3771

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	3027	-645	I - H	3046	-643
J - I	3046	-643	H - F	3027	-645

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	642	0	I - E	752	-209
C - I	752	-209	H - E	642	0
D - I	299	-672			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	64 plf at	-1.50 to	64 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	16.00
TC: From	64 plf at	16.00 to	64 plf at	24.50
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	15.97
BC: From	20 plf at	15.97 to	20 plf at	23.00
BC: From	5 plf at	23.00 to	5 plf at	24.50

TC: 451 lb Conc. Load at 7.03,15.97
TC: 193 lb Conc. Load at 9.06,11.06,11.94,13.94
BC: 506 lb Conc. Load at 7.03,15.97
BC: 131 lb Conc. Load at 9.06,11.06,11.94,13.94

Purlins

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

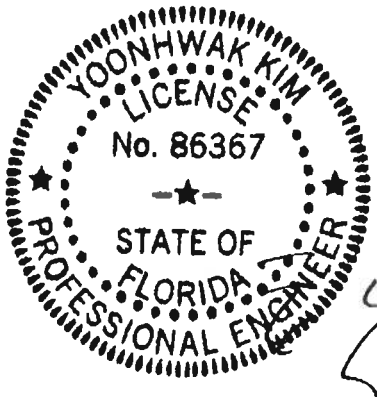
Wind

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 5-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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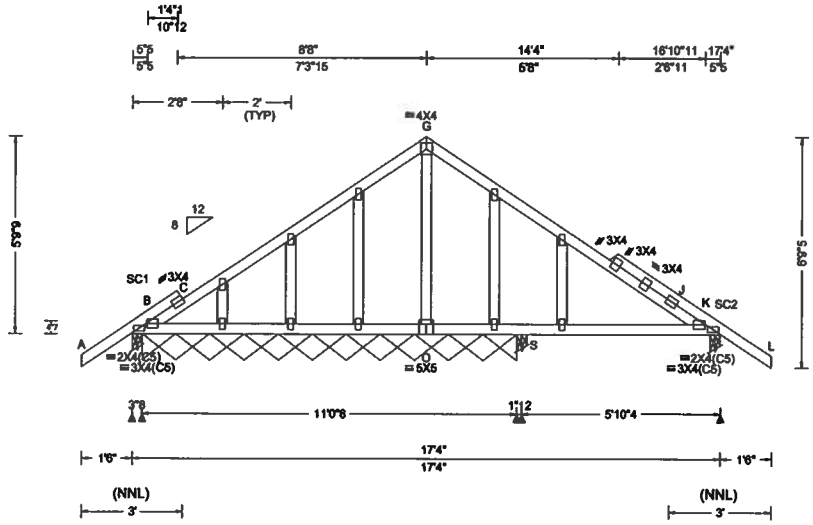
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294244 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** C01	Cust: R 215 JRef: 1WTM2150014 T14 DrwNo: 076.20.1457.06950 / YK 03/16/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.020 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.040 J 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.011 J - -
Des Ld: 40.00	EXP: C Kzt: NA	**Code / Misc Criteria**	HORZ(TL): 0.022 I - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Bldg Code: FBC 2017 RES	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.236
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.300
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.102
	C&C Dist a: 3.00 ft	Plate Type(s):	
	Loc. from endwall: Any	WAVE	VIEW Ver: 18.02.01B.0321.08
	GCpi: 0.18		
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	253	/-	/-	/161	/41	/161
B*	68	/-	/-	/46	/7	/-
S	389	/-	/-	/285	/-	/-
K	309	/-	/-	/221	/32	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
B Brg Width = 132 Min Req = -
S Brg Width = 3.5 Min Req = 1.5
K Brg Width = 3.5 Min Req = 1.5
Bearings B, B, S, & K 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 2X4 except as noted.

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 5-9-9.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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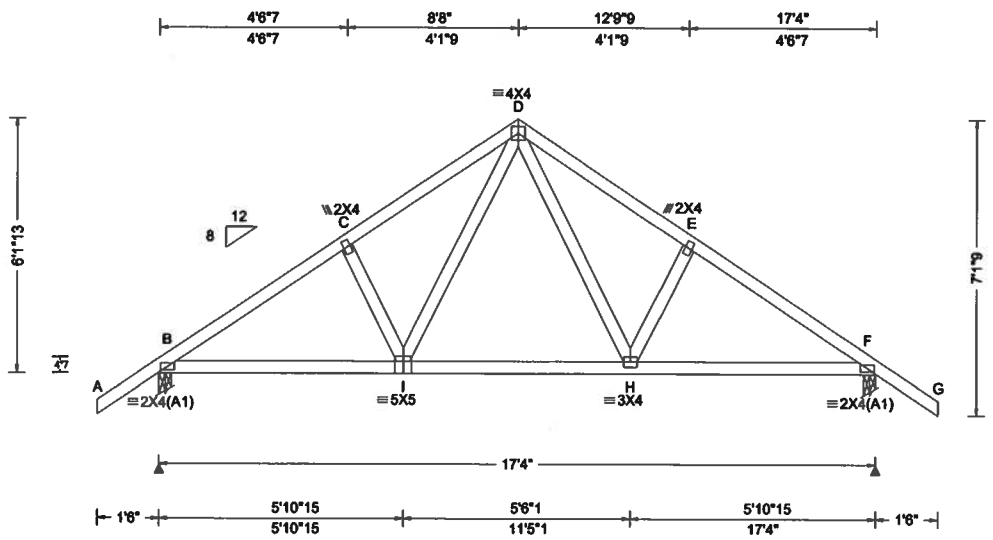
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294241 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** C02		Cust: R 215 JRef: 1WTM2150014 T13 DrwNo: 076.20.1457.08820 / YK 03/16/2020



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): 0.021	H	999	240
VERT(CL): 0.044	H	999	180
HORZ(LL): 0.009	H	-	-
HORZ(TL): 0.019	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.216
Max BC CSI: 0.348
Max Web CSI: 0.129

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	832 /-	/-	/521	/138	/213
F	832 /-	/-	/521	/138	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
F Brg Width = 3.5 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	263	-983	D - E	311	-867
C - D	312	-866	E - F	262	-984

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	754	-101	H - F	754	-111
I - H	516	-41			

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 6-1-13.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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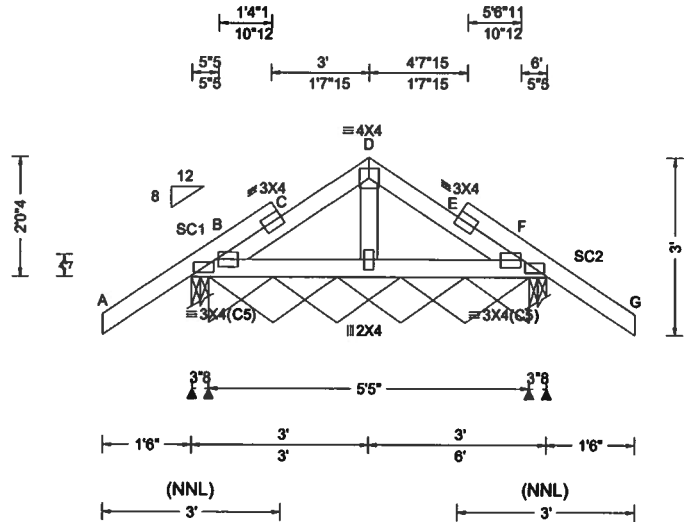
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294236 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** D01	Cust: R 215 JRef: 1WTM2150014 T12 DrwNo: 076.20.1457.14670 / YK 03/16/2020



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: Any 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): 0.002 E 999 240 VERT(CL): 0.004 E 999 180 HORZ(LL): 0.001 C - - HORZ(TL): 0.002 E - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.050 Max Web CSI: 0.025 VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	258	/-	/-	/196	/55	/105
B*	37	/-	/-	/33	/5	/-
F	258	/-	/-	/210	/55	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
B Brg Width = 65.0 Min Req = -
F Brg Width = 3.5 Min Req = 1.5
Bearings B, B, & 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4(C5) except as noted.

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.

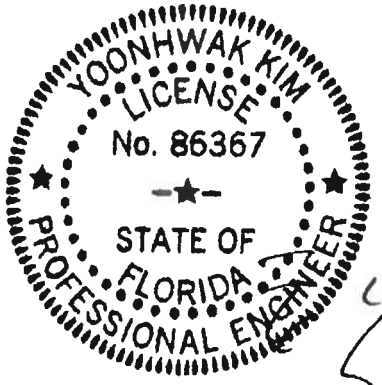
Additional Notes

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 2-0-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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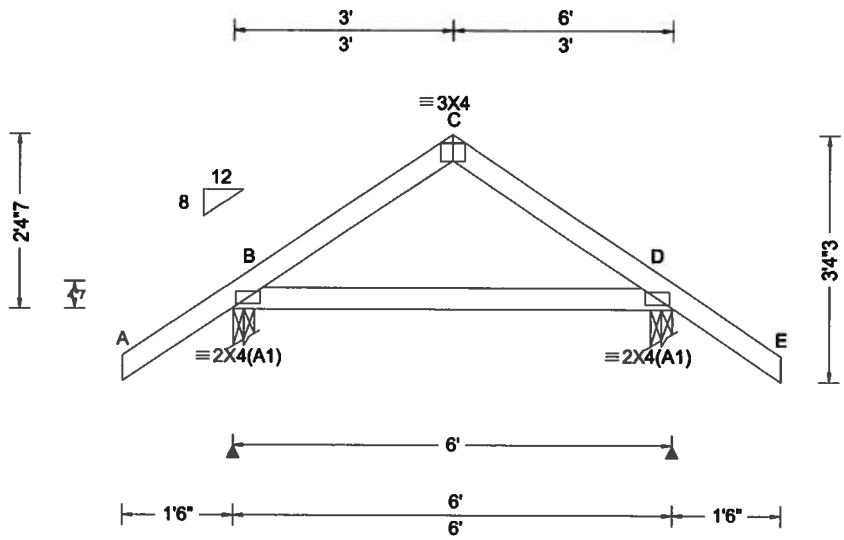
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294238 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** D02		Cust: R 215 JRef: 1WTM2150014 T5 DrwNo: 076.20.1457.17853 / YK 03/16/2020



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		999	240
VERT(CL): 0.005		999	180
HORZ(LL): -0.002		-	-
HORZ(TL): 0.004		-	-

Creep Factor: 2.0
Max TC CSI: 0.210
Max BC CSI: 0.228
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

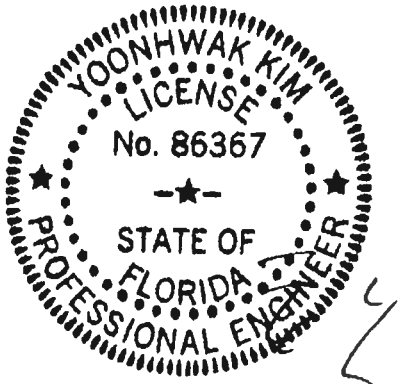
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	355	/-	/-	/251	/62	/108
D	355	/-	/-	/251	/62	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 3.5 Min Req = 1.5
Bearings B & D are 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 2-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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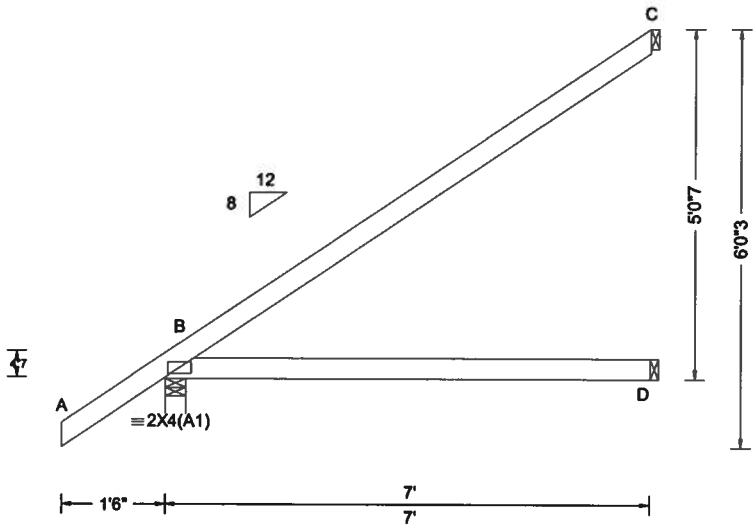
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294224 EJAC FROM: CDM	Ply: 1 Qty: 29	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J01	Cust: R215 JRef: 1WTM2150014 T10 DrwNo: 076.20.1457.20810 / YK 03/16/2020



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): 0.013 D - -
HORZ(TL): 0.027 D - -
Creep Factor: 2.0
Max TC CSI: 0.747
Max BC CSI: 0.527
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	417	/-	/-	/298	/29	/161
D	131	/-	/-	/92	/1	/-
C	193	/-	/-	/113	/86	/-

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 5-0-7.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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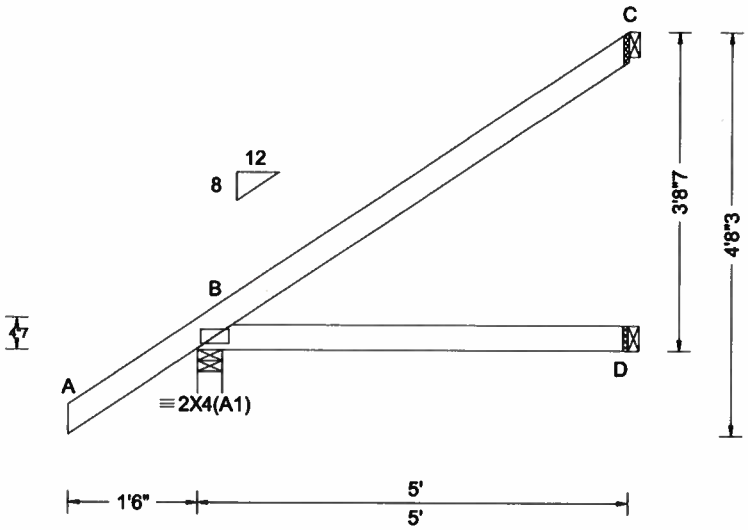
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294226 JACK FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J02		Cust: R 215 JRef: 1WTM2150014 T7 DrwNo: 076.20.1457.22820 / YK 03/16/2020



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: 0.327 Max BC CSI: 0.255 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	339	/-	/-	/248	/31	/123
D	91	/-	/-	/64	/-	/-
C	131	/-	/-	/75	/59	/-

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;

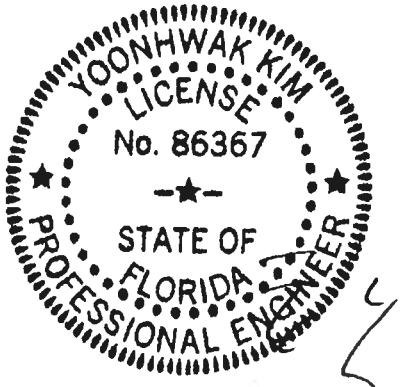
Wind

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 3-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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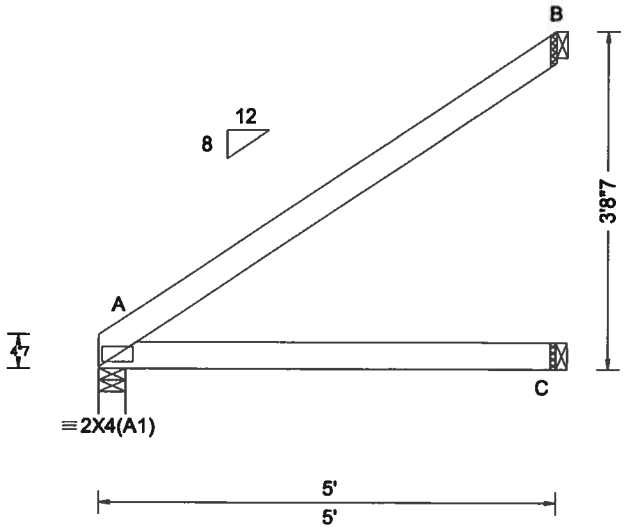
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294234 JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J02A	Cust: R215 JRef: 1WTM2150014 T33 DrwNo: 076.20.1457.25410 / YK 03/16/2020



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): 0.006	C	-	-
HORZ(TL): 0.012	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.383
Max BC CSI: 0.275
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	216	/-	/-	/141	/-	/94
C	94	/-	/-	/69	/2	/-
B	142	/-	/-	/85	/63	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A 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 3-8-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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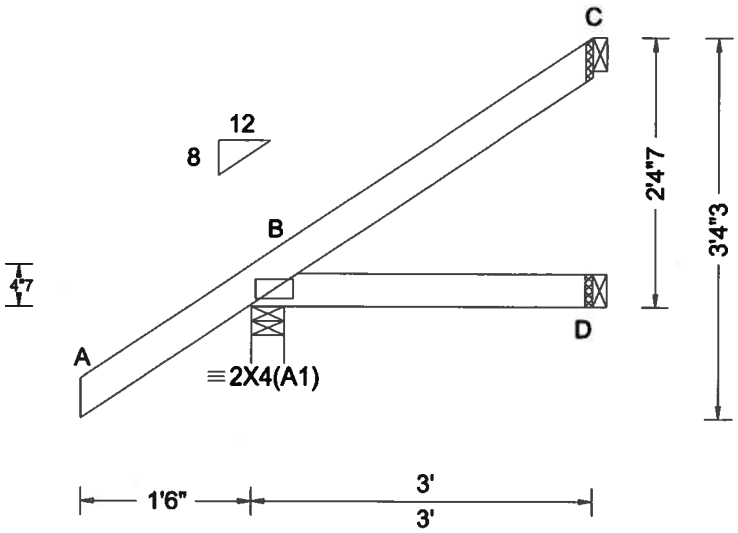
ALPINE
An ITW Company
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294228 JACK FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J03	Cust: R215 JRef: 1WTM2150014 T8 DrwNo: 076.20.1457.27200 / YK 03/16/2020



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: 0.191
Max BC CSI: 0.075
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	268	/-	/-	/206	/35	/85
D	50	/-	/-	/40	/2	/-
C	64	/-	/-	/31	/31	/-

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;

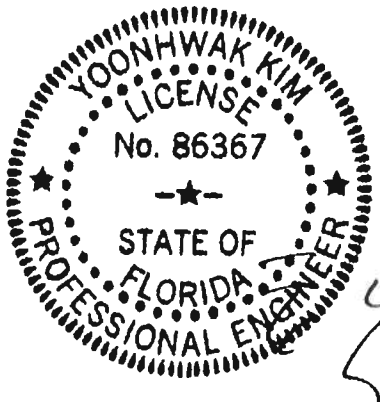
Wind

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 2-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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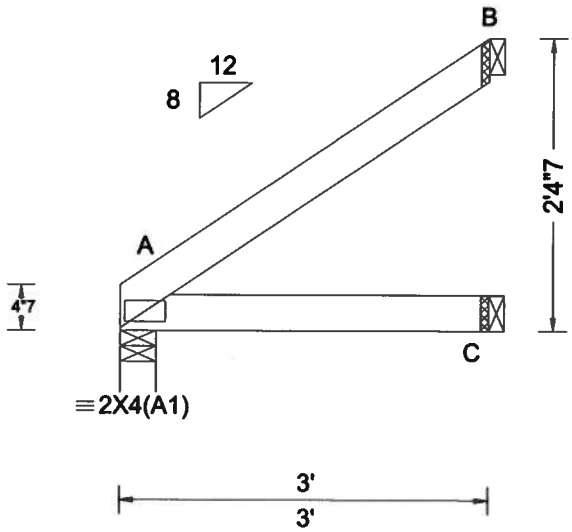
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294232 JACK FROM: CDM	Pty: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J03A		Cust: R 215 JRef: 1WTM2150014 T34 DrwNo: 076.20.1457.28563 / YK 03/16/2020



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): 0.001	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.121
Max BC CSI: 0.092
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	133	/-	/-	/86	/-	/56
C	55	/-	/-	/41	/1	/-
B	84	/-	/-	/50	/38	/-

Wind reactions based on MWFRS
A Brg Width = 3.5 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A 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 2-4-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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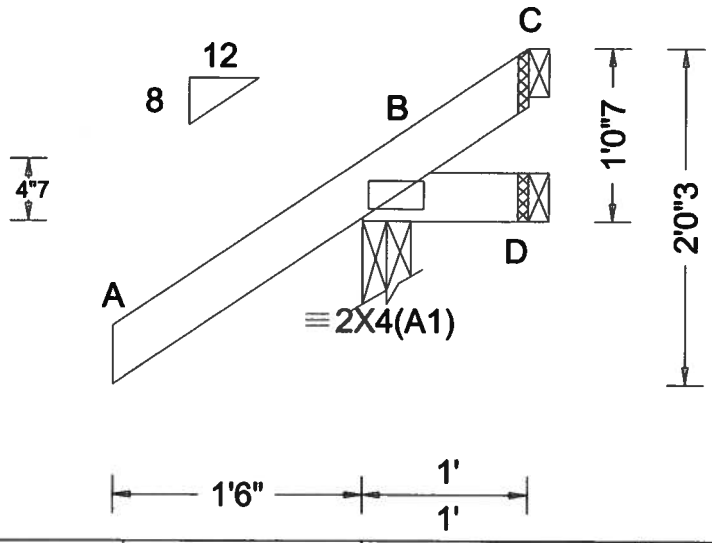
ALPINE
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294230 JACK FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J04	Cust: R215 JRef:1WTM2150014 T9 DrwNo: 076.20.1457.34140 / YK 03/16/2020



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 D - -
HORZ(TL): 0.001 D - -
Creep Factor: 2.0
Max TC CSI: 0.187
Max BC CSI: 0.026
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	261	/-	/-	/225	/67	/47
D	5	/-16	/-	/17	/19	/-
C	-	/-57	/-	/35	/66	/-

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 1-0-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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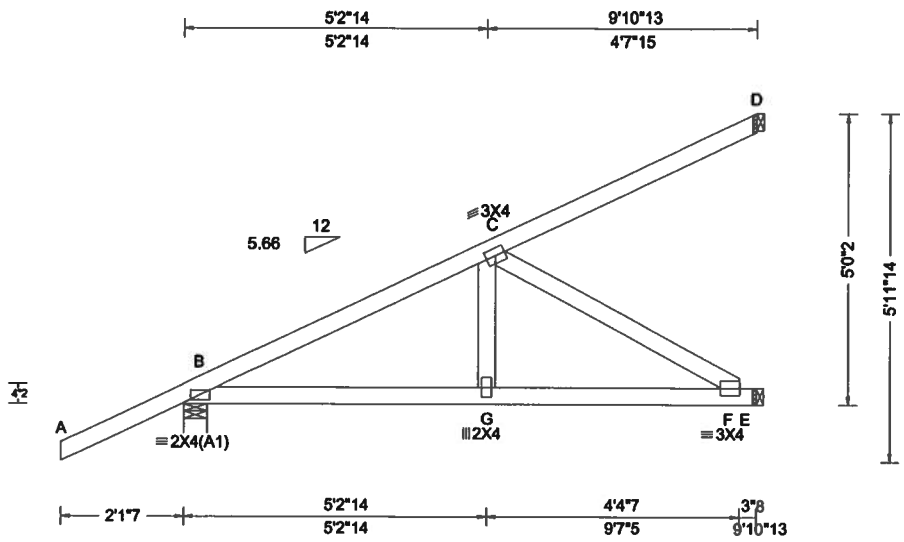
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294261 HIP_ FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** HJ05	Cust: R215 JRef: 1WTM2150014 T23 DrwNo: 076.20.1457.43330 / YK 03/16/2020



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: NA
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): 0.017	G	999	240
VERT(CL): 0.035	G	999	180
HORZ(LL): 0.004	F	-	-
HORZ(TL): 0.009	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.641
Max BC CSI: 0.506
Max Web CSI: 0.313

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	472 /-	/-	/-	/90	/-
E	375 /-	/-	/-	/6	/-
D	258 /-	/-	/-	/93	/-

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	95	-614

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	529	-78	G - F	525	-81

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	94	-610

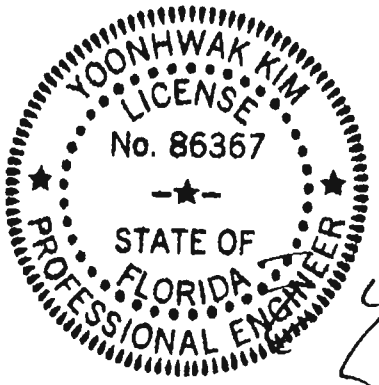
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Hipjack supports 7-0-0 setback jacks with no webs.

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 5-0-2.

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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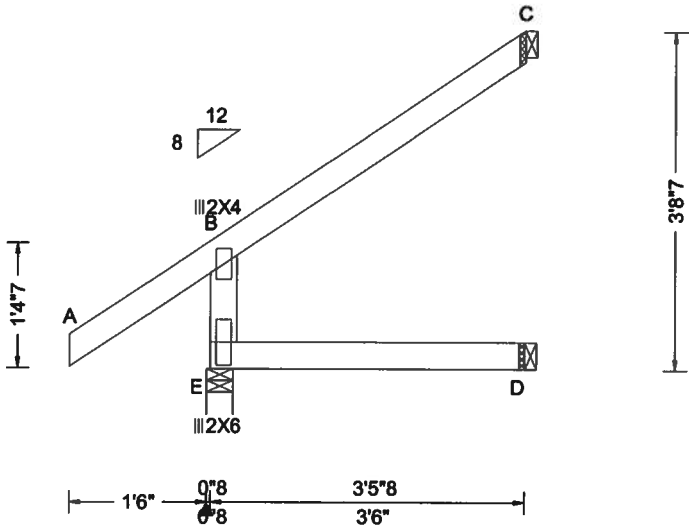
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 294300 JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J06	Cust: R215 JRef:1WTM2150014 T15 DrwNo: 076.20.1457.46180 / YK 03/16/2020



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): 0.000	B	999	240
VERT(CL): 0.000	B	999	180
HORZ(LL): -0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.215
Max BC CSI: 0.148
Max Web CSI: 0.077

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	276	/-	/-	/245	/97	/-
D	69	/-	/-	/46	/-	/-
C	87	/-	/-	/63	/14	/94

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E 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;

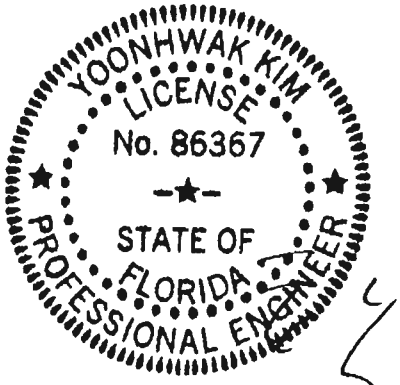
Wind

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 3-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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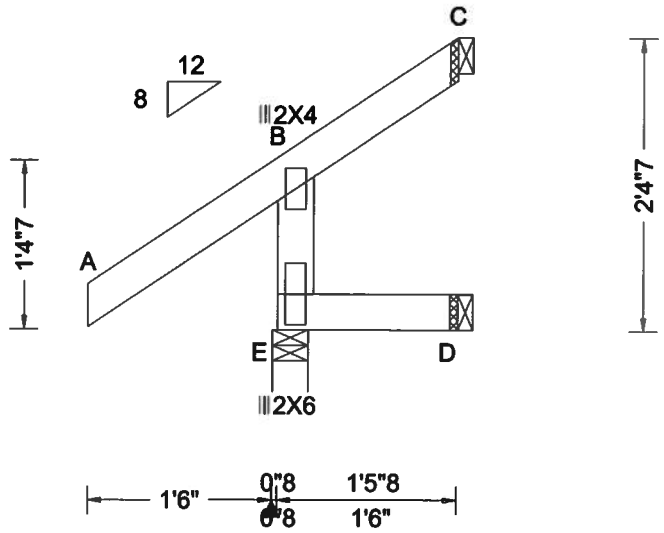
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294302 JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** J07	Cust: R 215 JRef: 1WTM2150014 T22 DrwNo: 076.20.1457.47453 / YK 03/16/2020



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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.198 Max BC CSI: 0.023 Max Web CSI: 0.076 VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	224	/-	/-	/215	/83	/-
D	29	/-	/-	/19	/-	/-
C	-	/-9	/-	/52	/59	/56

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E 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 2-4-7.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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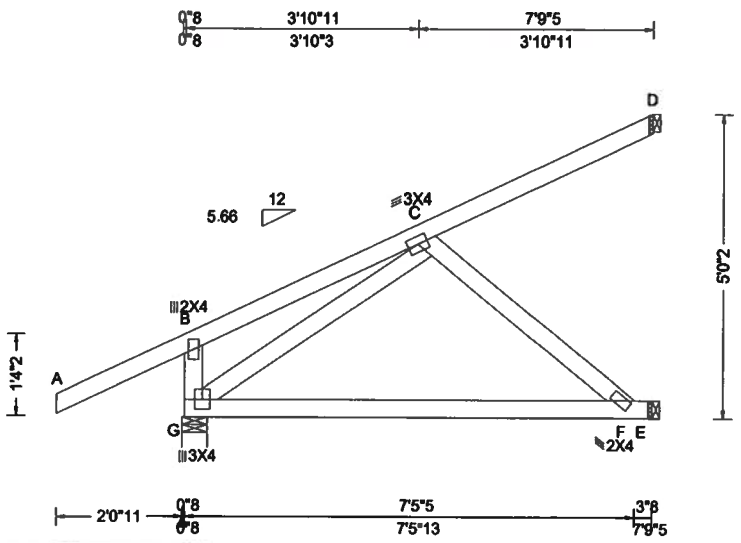
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294304 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** HJ08	Cust: R215 JRef: 1WTM2150014 T31 DrwNo: 076.20.1457.50580 / YK 03/16/2020



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: NA 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): 0.030 F 999 240 VERT(CL): 0.061 F 999 180 HORZ(LL): 0.012 C - - HORZ(TL): 0.025 C - - Creep Factor: 2.0 Max TC CSI: 0.388 Max BC CSI: 0.517 Max Web CSI: 0.118 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	306	/-	/-	/-	/60	/-
E	207	/-	/-	/1	/-	/-
D	178	/-	/-	/-	/61	/-

Wind reactions based on MWFRS
G Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing G 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;

Loading

Hipjack supports 5-6-0 setback jacks with no webs.

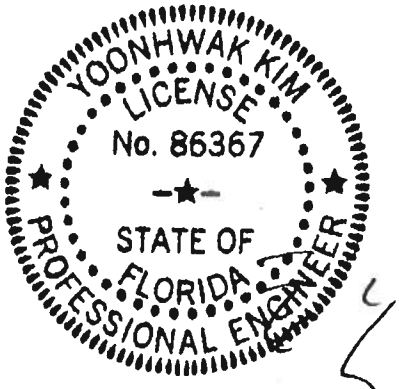
Wind

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 5-0-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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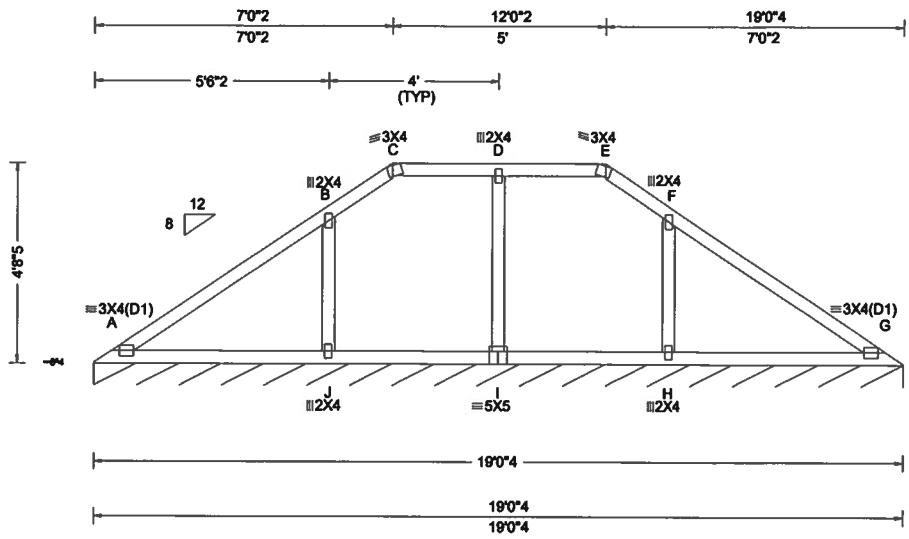
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294318 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V01	Cust: R 215 JRef: 1WTM2150014 T40 DrwNo: 076.20.1457.53607 / YK 03/16/2020



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): 0.015	J	999	240
VERT(CL): 0.031	J	999	180
HORZ(LL): 0.005	J	-	-
HORZ(TL): 0.011	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.365
Max BC CSI: 0.253
Max Web CSI: 0.094

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G*	83	/-	/-	/43	/13	/6

Wind reactions based on MWFRS
G Brg Width = 228 Min Req = -
Bearing A 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;

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-8-5.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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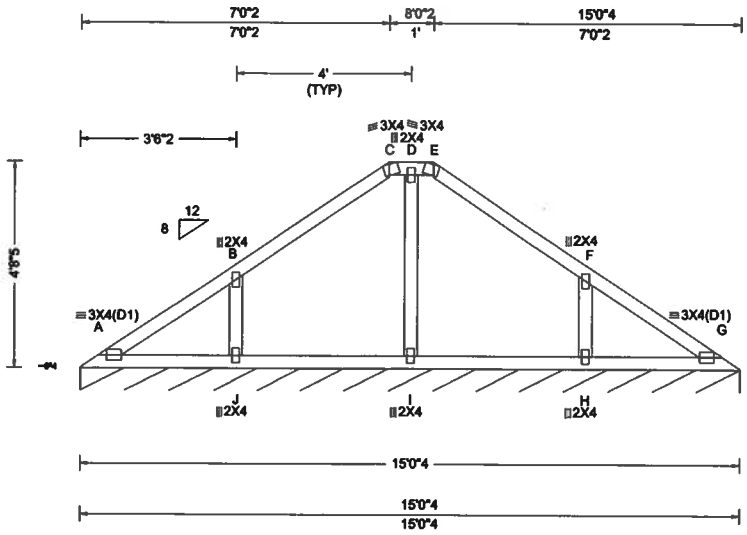
Orlando FL, 32821

SEQN: 294321 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V02	Cust: R 215 JRef:1WTM2150014 T41 DrwNo: 076.20.1457.54983 / YK 03/16/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲ Maximum Reactions (lbs), or *=PLF**
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: 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	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): 0.003 E 999 240 VERT(CL): 0.007 H 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.198 Max BC CSI: 0.129 Max Web CSI: 0.086 VIEW Ver: 18.02.01B.0321.08	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G* 83 /- /- /43 /12 /8 Wind reactions based on MWFRS G Brg Width = 180 Min Req = - Bearing A 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;

Purlins

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

Wind

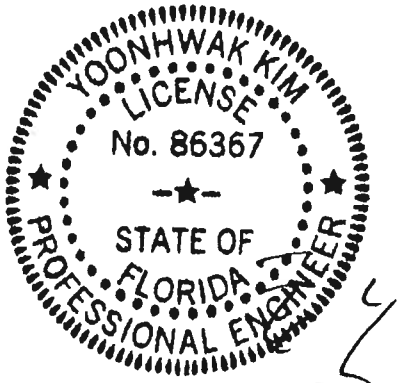
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-8-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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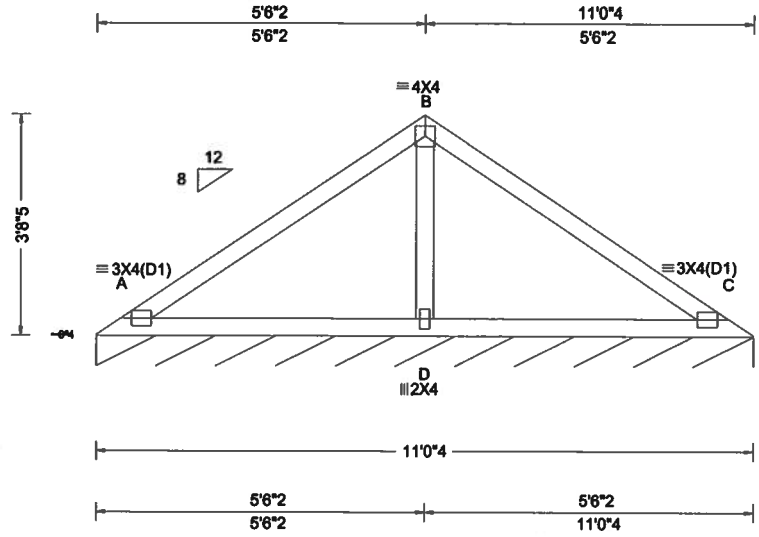
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294323 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V03	Cust: R 215 JRef: 1WTM2150014 T42 DrwNo: 076.20.1457.56303 / YK 03/16/2020



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: 15.35 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): 0.017	D	999	240
VERT(CL): 0.034	D	999	180
HORZ(LL): -0.008	D	-	-
HORZ(TL): 0.017	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.440
Max BC CSI: 0.359
Max Web CSI: 0.170

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	82	/-	/-	/43	/12	/8

Wind reactions based on MWFRS
C Brg Width = 132 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	403	-148	B - C	403	-148

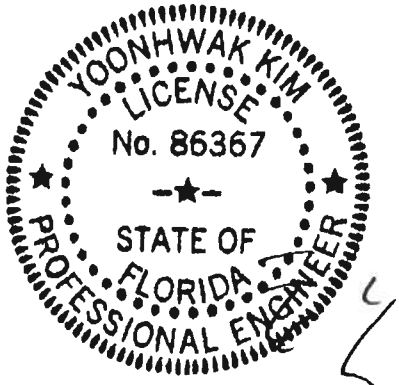
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	250	-641

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
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-8-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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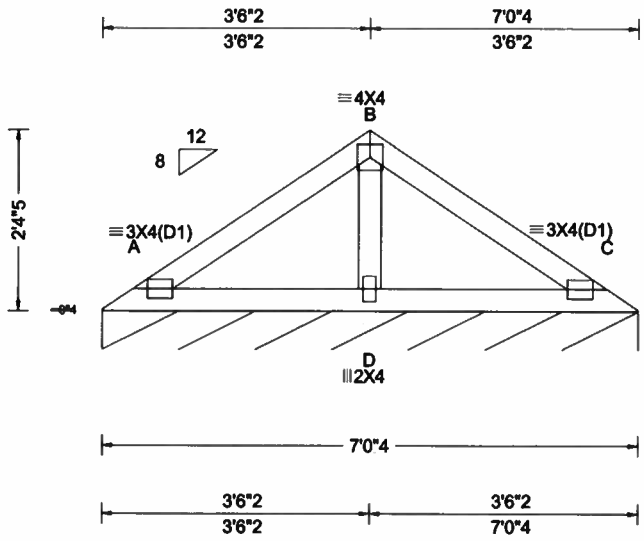
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294325 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V04	Cust: R 215 JRef: 1WTM2150014 T47 DrwNo: 076.20.1457.58097 / YK 03/16/2020



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: 16.01 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	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): 0.004 D 999 240 VERT(CL): 0.009 D 999 180 HORZ(LL): -0.002 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.165 Max BC CSI: 0.130 Max Web CSI: 0.061 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
C*	82 /-	/-	/42	/11	/8

Wind reactions based on MWFRS
C Brg Width = 84.3 Min Req = -
Bearing A 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

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-4-5.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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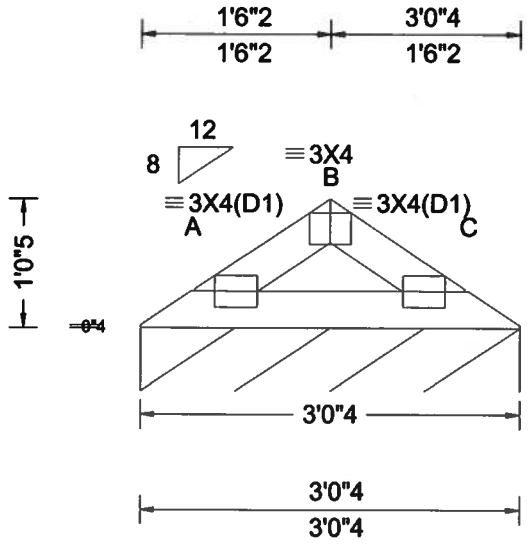
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294327 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V05	Cust: R 215 JRef: 1WTM2150014 T48 DrwNo: 076.20.1457.59387 / YK 03/16/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲Maximum Reactions (lbs), or *=PLF**
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: 16.68 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): 0.001 999 240 VERT(CL): 0.003 999 180 HORZ(LL): -0.001 - - HORZ(TL): 0.001 - - Creep Factor: 2.0 Max TC CSI: 0.040 Max BC CSI: 0.062 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 78 /- /- /37 /9 /6 Wind reactions based on MWFRS C Brg Width = 36.3 Min Req = - Bearing A 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

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-0-5.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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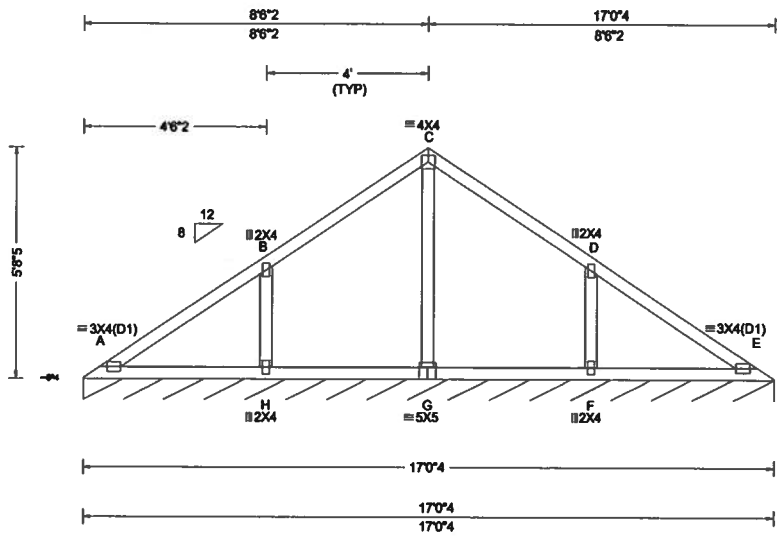
ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294309 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V06	Cust: R 215 JRef: 1WTM2150014 T28 DrwNo: 076.20.1458.00610 / YK 03/16/2020



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): 0.007	H	999	240
VERT(CL): 0.014	H	999	180
HORZ(LL): -0.003	F	-	-
HORZ(TL): 0.006	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.340
Max BC CSI: 0.171
Max Web CSI: 0.158

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/44	/12	/9

Wind reactions based on MWFRS
E Brg Width = 204 Min Req = -
Bearing A 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

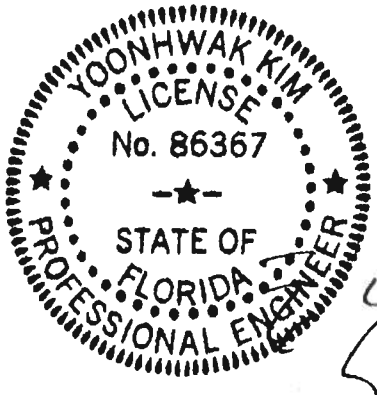
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-8-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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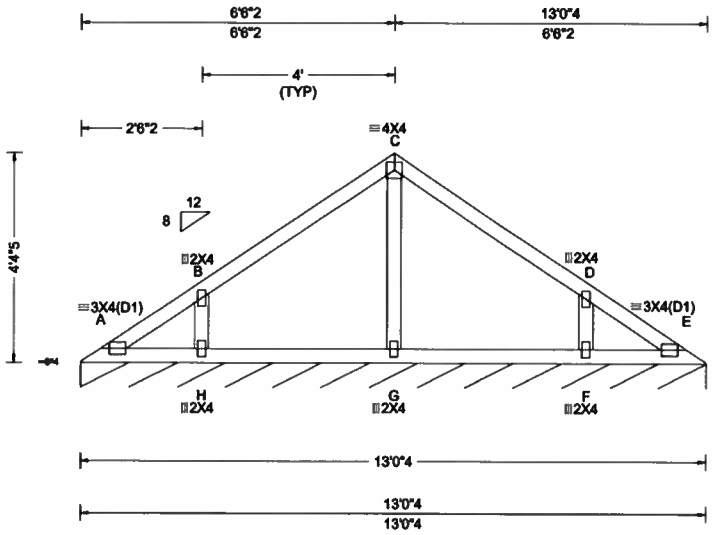
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294311 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V07	Cust: R 215 JRef: 1WTM2150014 T37 DrwNo: 076.20.1458.01903 / YK 03/16/2020



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): 0.001	C	999	240
VERT(CL): 0.001	C	999	180
HORZ(LL): -0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.209
Max BC CSI: 0.115
Max Web CSI: 0.063

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

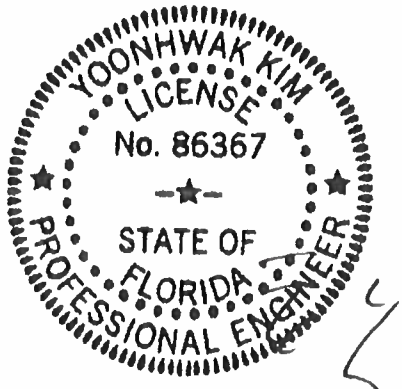
	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
E*	83 / -	/ -	/44	/12	/9

Wind reactions based on MWFRS
E Brg Width = 156 Min Req = -
Bearing A 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
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-4-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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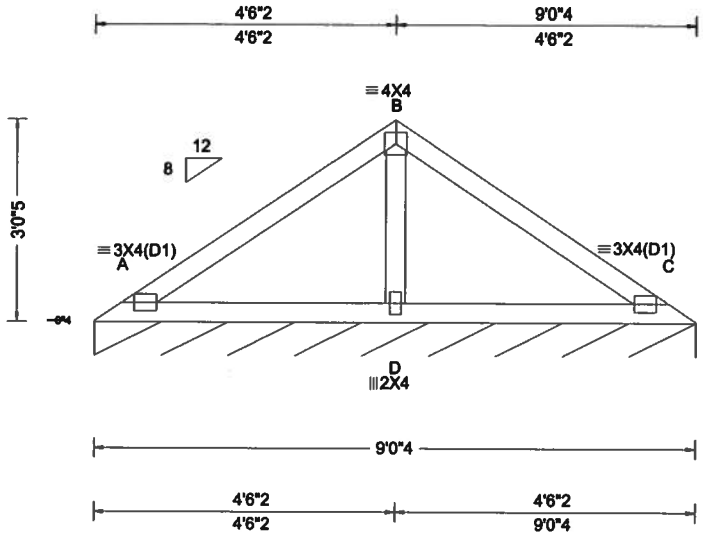
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294313 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V08	Cust: R 215 JRef: 1WTM2150014 T38 DrwNo: 076.20.1458.03273 / YK 03/16/2020



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): 0.009	D	999	240
VERT(CL): 0.018	D	999	180
HORZ(LL): -0.005	D	-	-
HORZ(TL): 0.009	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.286
Max BC CSI: 0.231
Max Web CSI: 0.101

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	82	/-	/-	/43	/11	/8

Wind reactions based on MWFRS
C Brg Width = 108 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

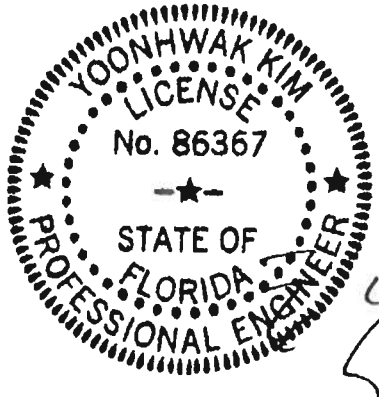
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	188	-462

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
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-0-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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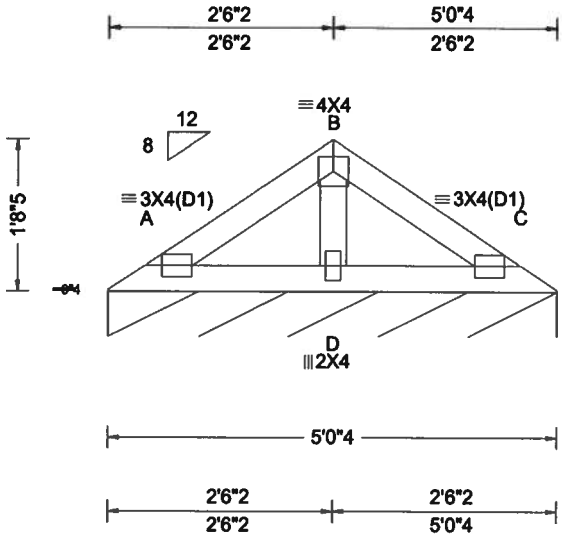
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294315 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V09	Cust: R 215 JRef: 1WTM2150014 T39 DrwNo: 076.20.1458.04407 / YK 03/16/2020



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): 0.001	D	999	240
VERT(CL): 0.003	D	999	180
HORZ(LL): -0.001	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.072
Max BC CSI: 0.057
Max Web CSI: 0.034

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	81	/-	/-	/40	/10	/7

Wind reactions based on MWFRS
C Brg Width = 60.2 Min Req = -
Bearing A 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

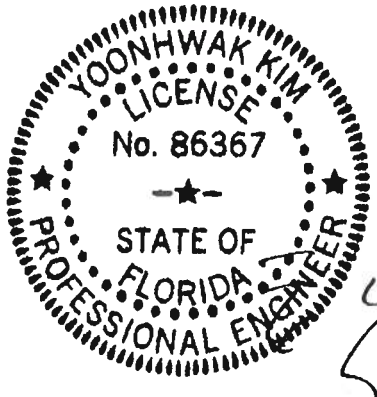
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-8-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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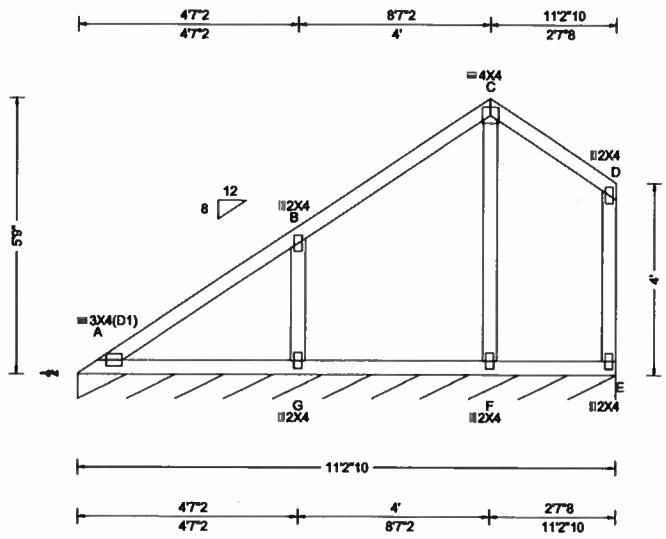
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294329 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V10	Cust: R 215 JRef: 1WTM2150014 T44 DrwNo: 076.20.1458.05683 / YK 03/16/2020



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): 0.008	G	999	240
VERT(CL): 0.017	G	999	180
HORZ(LL): 0.003	G	-	-
HORZ(TL): 0.006	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.300
Max BC CSI: 0.188
Max Web CSI: 0.103

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
E*	83 / -	/-	/52	/12	/10

Wind reactions based on MWFRS
E Brg Width = 134 Min Req = -
Bearing A 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.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-9-0.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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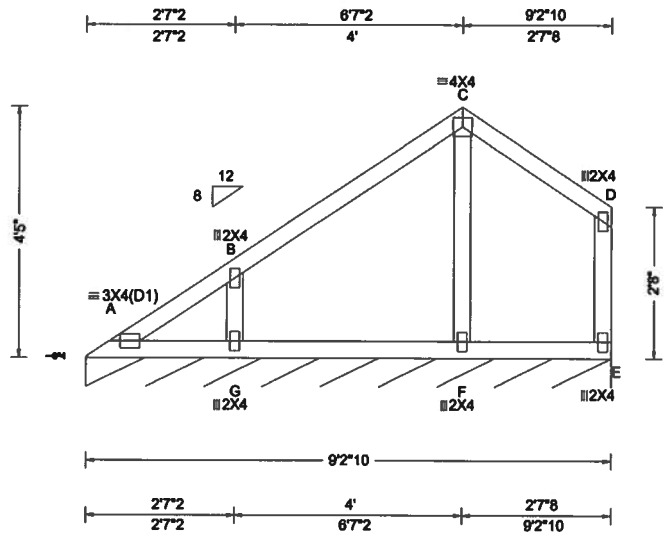
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294331 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V11	Cust: R215 JRef: 1WTM2150014 T46 DrwNo: 076.20.1458.06820 / YK 03/16/2020



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): 0.001	C	999	240
VERT(CL): 0.001	C	999	180
HORZ(LL): -0.002	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.210
Max BC CSI: 0.098
Max Web CSI: 0.065

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/50	/12	/10

Wind reactions based on MWFRS
E Brg Width = 110 Min Req = -
Bearing A 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.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-5-0.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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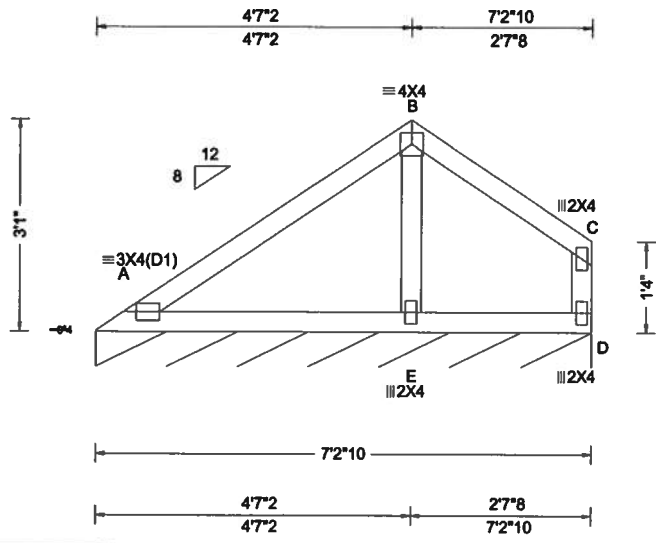
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294333 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V12		Cust: R 215 JRef: 1WTM2150014 T45 DrwNo: 076.20.1458.08097 / YK 03/16/2020



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): 0.012	E	999	240
VERT(CL): 0.025	E	999	180
HORZ(LL): 0.004	E	-	-
HORZ(TL): 0.009	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.262
Max BC CSI: 0.198
Max Web CSI: 0.045

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
D*	83 /-	/-	/47	/12	/9

Wind reactions based on MWFRS
D Brg Width = 86.6 Min Req = -
Bearing A 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
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-1-0.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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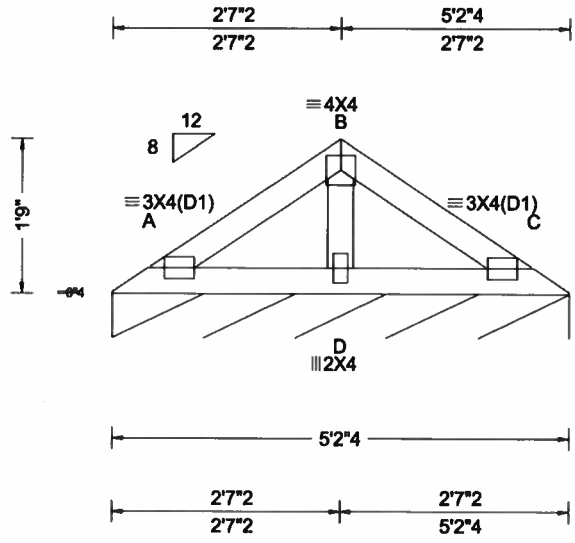
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294335 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4018 /Lot 13 Jewel Lake /Guy Sorensen Milton Smith **Truss Label:** V13		Cust: R 215 JRef: 1WTM2150014 T43 DrwNo: 076.20.1458.11647 / YK 03/16/2020



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: 15.15 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	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): 0.002 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): -0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.078 Max BC CSI: 0.062 Max Web CSI: 0.036 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
C*	81 / -	/ -	/40	/10	/7

Wind reactions based on MWFRS
C Brg Width = 62.2 Min Req = -
Bearing A 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

See DWG VAL160101014 for valley details.

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

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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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.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

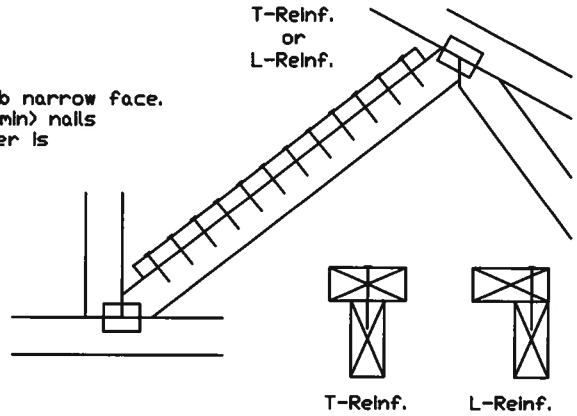
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4 Ⓒ
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6 Ⓒ

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.

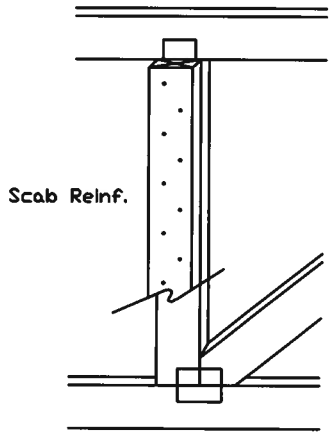
T-Reinforcement or L-Reinforcement:

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.



YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

ALPINE AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

03/16/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

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	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 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.

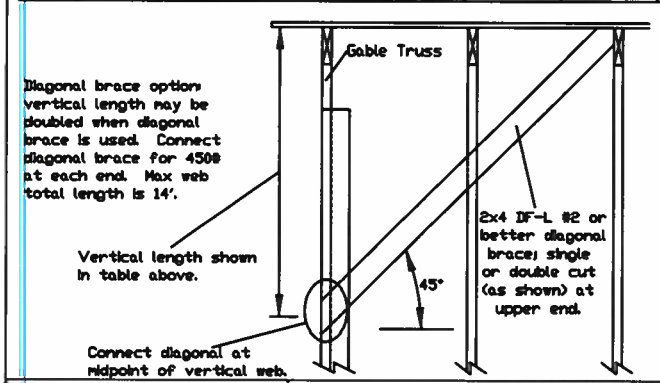
Attach "L" braces with 10d (0.128"x3.0" min) nails.
* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.
** For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

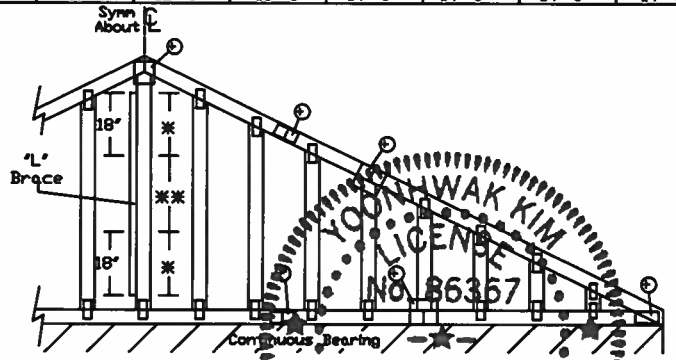
"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

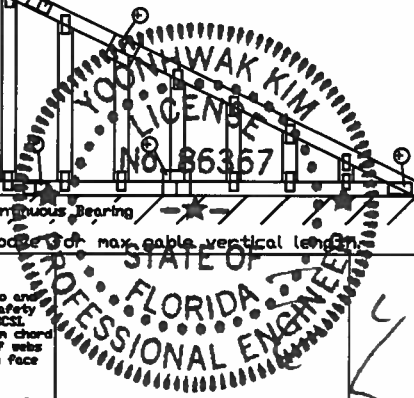
+ Refer to common truss design for peak, splice, and heel plates.

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





Refer to chart above for max gable vertical length.



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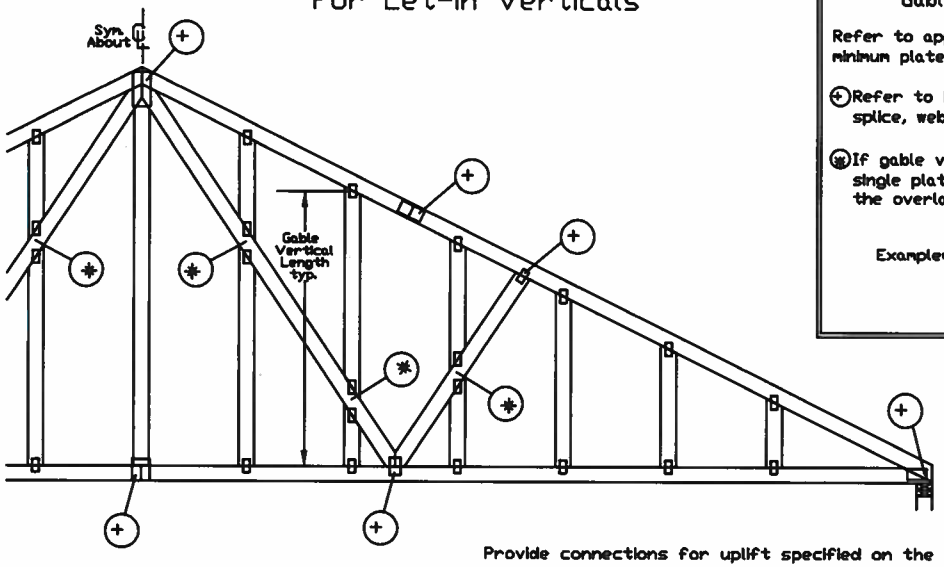
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB14015
DATE	10/01/14
DRWG	A14015ENC101014

03/16/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

Gable Detail
For Let-In Verticals



Gable Truss Plate Sizes

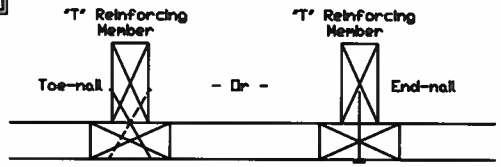
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ 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: 2X4 2X4 2X8

'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.

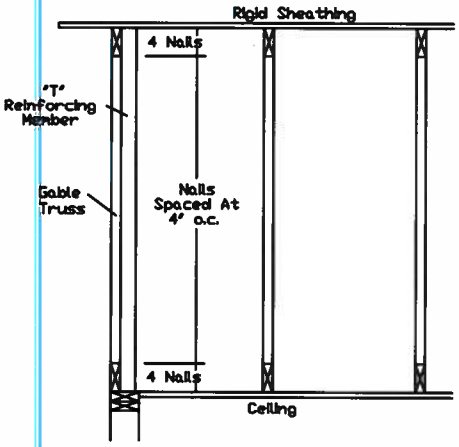
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

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"

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REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

03/16/2020
FL COA# 278, Yoonhwak Kim, FL PE #86367

Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-10 160 mph. 30' Mean Height, Enclosed
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-10 140 mph. 30' Mean Height, Enclosed
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

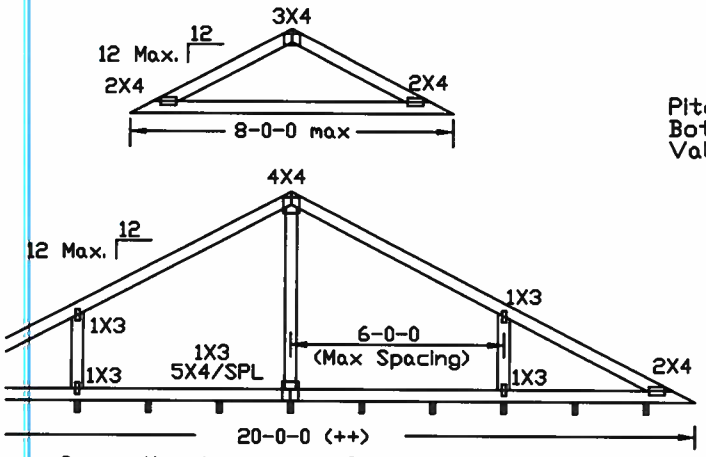
All plates shown are ITW BCG Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

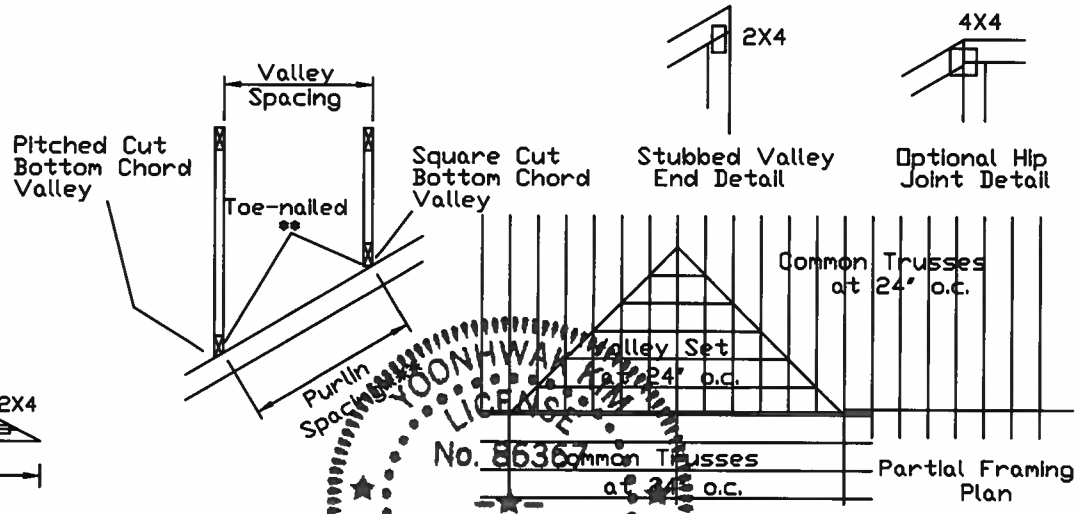
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



Supporting trusses at 24" o.c. maximum spacing.



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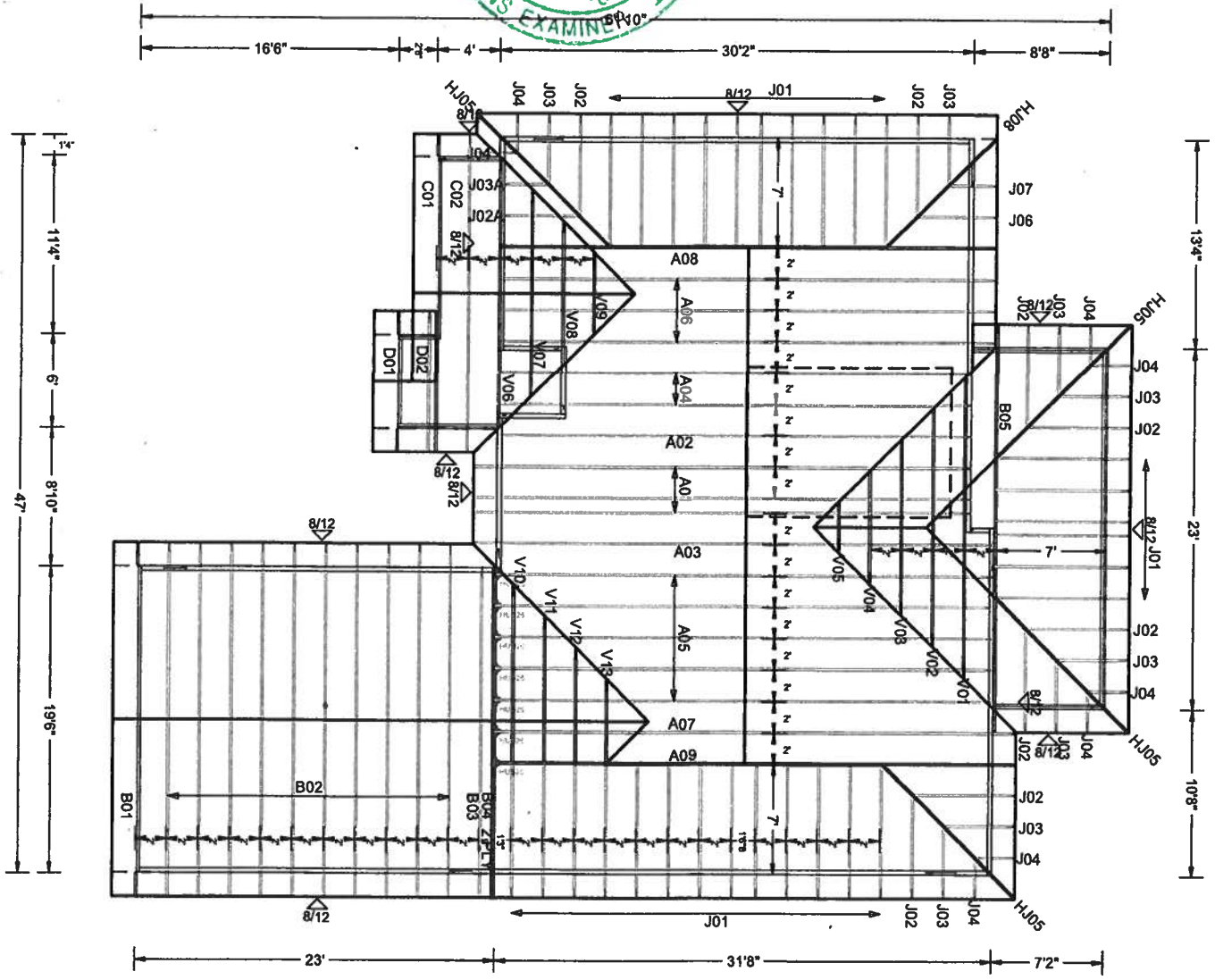
ALPINE: www.alpinetw.com/ TPI: www.tpinst.org/ SBCA: www.sbcindustry.org/ ICC: www.iccsafe.org

TC LL	30	30	40PSF	REF VALLEY DETAIL
TC DL	20	15	7PSF	DATE 10/01/2014
BC DL	10	10	10 PSF	DRWG VAL160101014
BC LL	0	0	0PSF	
TOT. L.D.	60	55	57PSF	
DUR.FAC.	1.25/1.33	1.15	1.15	
SPACING		24.0"		

03/16/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367



PAGE NO: 1 OF 1	JOB NO: 20-4018	Job Name: Lot 13 Jewel Lake Customer: Guy Sorensen Milton Smith Designer: Bill Ecklund ADDRESS: SALESMAN: Fill in later : <Not Found>	JOB #: 20-4018