Truss plans

Minimum floor elevation per plat is 146'

Columbia County New Building Permit Application

CK#1225

For Office Use Only Application # 1908-22 Date Received 8/6/19 By MG Permit # 38525

Zoning Official TC/LH Date 8-15-19 Flood Zone X Land Use RLD Zoning PRD

FEMA Map # N/A Elevation N/A MFE 146' River N/A Plans Examiner TC Date 8-15-19

Comments Surveyor to confirm setbacks / Elevation letter at slab F. 25' Sides 10' Rear 15' (after footer inspection)

☑ NOC ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Well letter (City) ☑ 911 Sheet ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☑ Letter of Auth. from Contractor (on file) ☑ F W Comp. letter

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

S X-City OR City Water ☒ Fax

Applicant (Who will sign/pickup the permit) Kathy McCall Phone 386-628-1761

Address 147 SW Summers Lane, Lake City, FL 32025

Owners Name Gary Sorensen Phone 308-440-0814

911 Address 151 SW Great Oak Ct., Lake City, FL 32024

Contractors Name Gerald M. Smith, Sr. Phone 386.234.0318

Address 15975 CR 6 East, Jasper, FL 32052

Contractor Email kathy.gsms@gmail.com ***Include to get updates on this job.

Fee Simple Owner Name & Address Gary Sorensen 147 SW Summers Lane, Lake City, FL 32025

Bonding Co. Name & Address n/a

Architect/Engineer Name & Address Nicholas Geisler 1758 NW Brown Rd, Lake City, FL 32055

Mortgage Lenders Name & Address n/a

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

Property ID Number 33-3S-16-02439-102 Estimated Construction Cost 120,599

Subdivision Name The Reserve @ Jewel Lake Lot 2 Block Unit Phase

Driving Directions from a Major Road 90W to L on Pinemount Road, take a R on Jewel Lake Drive, then take 1st right on Great Oak Court Lot is 2nd on L

8'12

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 .30

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

TLW sent email 8.9.19

784.44

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 CBC1254061
Columbia County Competency Card Number 1428

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 27 **day of** September **20** 17.

Personally known X **or Produced Identification** _____

B. Watson

State of Florida Notary Signature (For the Contractor)

SEAL:

BRITTANY D WATSON
MY COMMISSION # GG014437
EXPIRES July 21, 2020

Legend

LidarElevations

SectionTownshipAndRange

Parcels

2018Aerials

Roads

Roads

others

Dirt

Interstate

Main

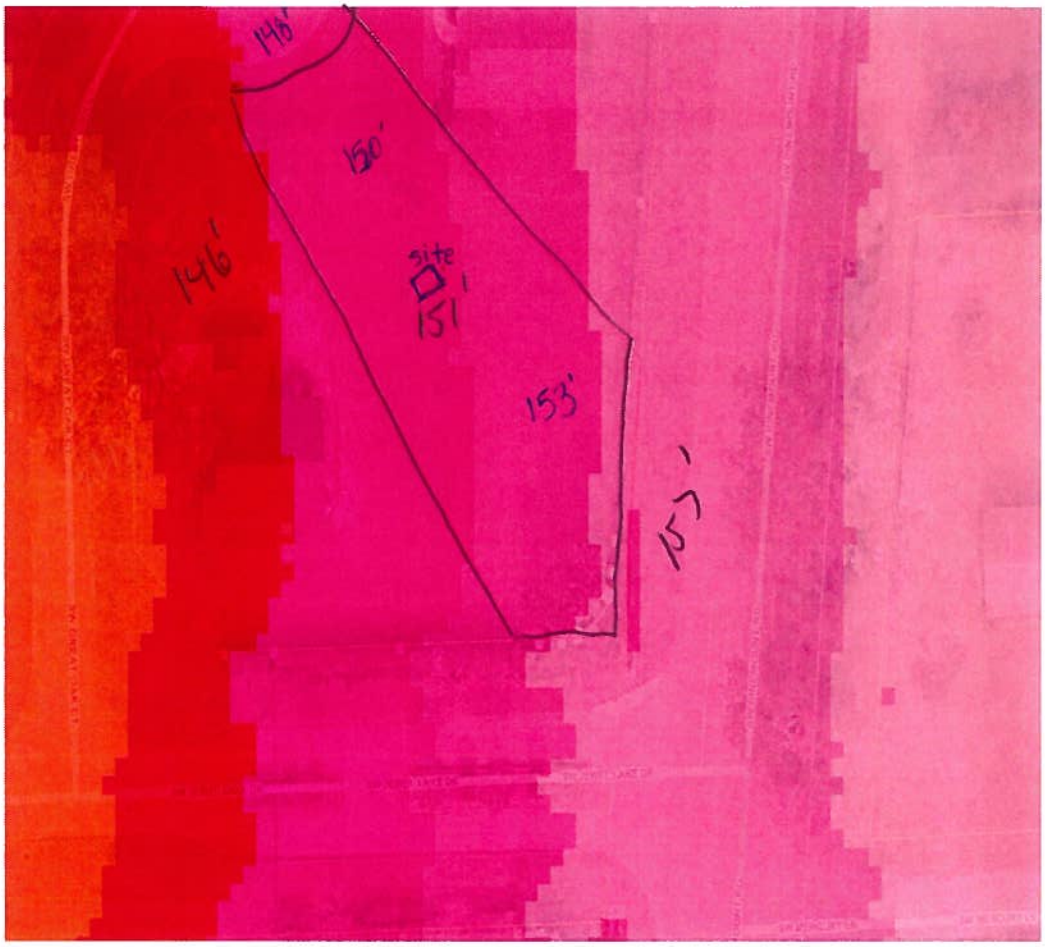
Other

Paved

Private

Columbia County, FLA - Building & Zoning Property Map

Printed: Wed Aug 21 2019 10:52:39 GMT-0400 (Eastern Daylight Time)



Minimum floor Elevation 146'

Parcel Information

Parcel No: 33-3S-16-02439-102

Owner: SORENSEN GARY

Subdivision: RESERVE AT JEWEL LAKE PHASE 1

Lot:

Acres: 0.2962945

Deed Acres:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1908-22 . JOB NAME The Reserve @ Jewel Lake - Lot 2

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# 724	Print Name Lyndon Rainbolt Signature _____ Company Name: Rainbolt Technical Services License #: ~~000724~~ EC13001835 Phone #: 386.755.5079	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☑ CC# 4716	Print Name Lyndon Rainbolt Signature _____ Company Name: Rainbolt Technical Services License #: ~~000476~~ RA0066590 Phone #: 386.755.5079	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☑ CC# 1429	Print Name Dan Mossburg Signature Daniel Mossburg PRes. Company Name: Live Oak Plumbing, Inc. License #: ~~001429~~ CFC1427438 Phone #: 386.362.1767	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☑ CC# 1010	Print Name Barry D. Joye Signature _____ Company Name: Energy Roofing Technology License #: ~~001010~~ CCC1329523 Phone #: 855.766.3852	☐ 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 # 1908-22 JOB NAME The Reserve @ Jewel Lake - Lot 2

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

ELECTRICAL ☑ CC# 724	Print Name Lyndon Rainbolt Signature Lyndon Rainbolt Company Name: Rainbolt Technical Services License #: 000724 EC13001835 Phone #: 386.755.5079	Need Lic Liab W/C EX DE
MECHANICAL/ A/C ☑ CC# 476	Print Name Lyndon Rainbolt Signature Lyndon Rainbolt Company Name: Rainbolt Technical Services License #: 000476 RA66590 Phone #: 386.755.5079	Need Lic Liab W/C EX DE
PLUMBING/ GAS ☑ CC# 1429	Print Name Dan Mossburg Signature Company Name: Live Oak Plumbing, Inc. License #: ~~001429~~ CFC1427438 Phone #: 386.362.1767	Need Lic Liab W/C EX DE
ROOFING ☑ CC# 1010	Print Name Barry D. Joye Signature Company Name: Energy Roofing Technology License #: 001010 CCC1329523 Phone #: 855.766.3852	Need Lic Liab W/C EX DE
SHEET METAL ☐ CC#	Print Name Signature Company Name: License #: Phone #:	Need Lic Liab W/C EX DE
FIRE SYSTEM/ SPRINKLER ☐ CC#	Print Name Signature Company Name: License#: Phone #:	Need Lic Liab W/C EX DE
SOLAR ☐ CC#	Print Name Signature Company Name: License #: Phone #:	Need Lic Liab W/C EX DE
STATE SPECIALTY ☐ CC#	Print Name Signature Company Name: License #: Phone #:	Need Lic Liab W/C EX DE

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

COLUMBIA COUNTY

911 ADDRESSING / GIS DEPARTMENT

263 NW Lake City Ave., Lake City, FL 32055

Telephone: (386) 758-1125 x 1 * Fax: (386) 758-1365 * Email: gis@columbiacountyfla.com

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:	10/4/2017 11:29:52 AM
Address:	151 SW GREAT OAK Ct
City:	LAKE CITY
State:	FL
Zip Code	32024
Pracel ID	02439-000

REMARKS: Address for proposed structure on parcel. Lot 2, Reserve at Jewel Lake Phase 1.

Address Issued By: **Signed:/ Ronal N. Croft**

Columbia County GIS/911 Addressing Department

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.

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: 753, P.DeWitt Cason, Clerk of Court
Columbia, County, By: KV
Deputy ClerkDoc 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:

Kris B. Robinson
Witness (print name under signature)

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

Mara Driggers
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 [Y] personally known to me [ ]or who produced _____ as identification and who did not take an oath.

Mara Driggers
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 Sommerfeld
Witness (print name under signature)

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

Deb. Marlatt
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 [✓] personally known to me [ ] or who produced _____ as identification and who did not take an oath.

State of Nebraska - General Notary
MIRIAM D MERRITHEW
My Commission Expires
November 28, 2018

Miriam D Merrithew
Miriam D Merrithew
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

Danielle Wilber
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
(407) 398-0153 FloridaNotaryService.com

My Commission Expires:

Notary Public (print name under signature)

ADAM MORRISON
MY COMMISSION #FF049749
EXPIRES August 29, 2017
(407) 398-0153 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 534.81 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.

CITY OF LAKE CITY
Florida's Gateway Est. 1859

August 6, 2019

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

RE: Reserve at Jewel Lake Lot 2
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 151 SW Great Oak Ct., Parcel 04-4S-16-02439-102.

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 Pelham

Shasta M. Pelham
Utility Service Coordinator

Brian Scott
Director of Distribution and Collections

CITY OF LAKE CITY
Florida's Gateway Est. 1859

October 17, 2017

To Whom It May Concern,

This letter is to verify that the City of Lake City has potable water and sewer service(s) available to tap into on the following lots located in the Reserve at Jewel Lake, parcel ID 33-3S-16-02439-000.

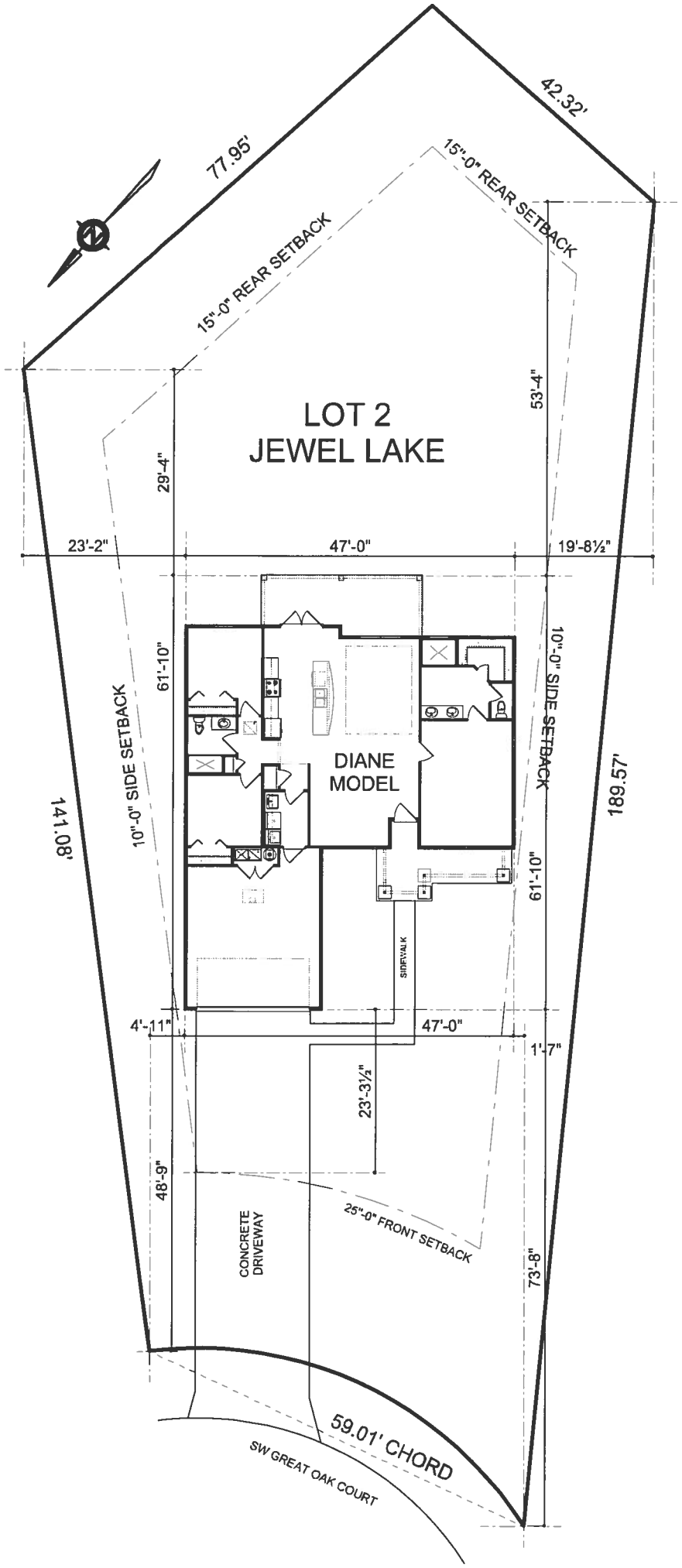
Lot 2	151 SW Great Oak Ct.
Lot 3	159 SW Great Oak Ct.
Lot 8	179 SW Jewel Lake Dr.
Lot 38	151 SW Old Pecan Ct.

Please note, a tap will need to be completed before access to the service(s) is available. 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

Cc: Brian Scott 10/18/17
Director of Distribution & Collection


42.32'
77.95'
15'-0" REAR SETBACK
15'-0" REAR SETBACK
LOT 2
JEWEL LAKE
53'-4"
29'-4"
23'-2"
47'-0"
19'-8½"
61'-10"
10'-0" SIDE SETBACK
10'-0" SIDE SETBACK
DIANE
MODEL
141.08'
189.57'
61'-10"
SIDEWALK
4'-11"
47'-0"
1'-7"
23'-3½"
48'-9"
25'-0" FRONT SETBACK
CONCRETE
DRIVEWAY
73'-8"
59.01' CHORD
SW GREAT OAK COURT

Janice Williams

From: Kathy McCall <kathy.gsms@gmail.com>
Sent: Friday, August 09, 2019 9:10 AM
To: Janice Williams
Subject: Re: Lot 2 Water Availability Letter

You have a great weekend also! Thank you

On Fri, Aug 9, 2019 at 9:08 AM Janice Williams <janice_williams@columbiacountyfla.com> wrote:

Kathy,

In regards to Application number 1908-22 – Sorensen – Lot 2 – The Reserve @ Laurel Lake:

All **updates have been received!!**

We will contact you once **review is completed.**

Have a great day and weekend!

From: Kathy McCall <kathy.gsms@gmail.com>
Sent: Friday, August 09, 2019 8:51 AM
To: Laurie Hodson <laurie_hodson@columbiacountyfla.com>; Janice Williams <janice_williams@columbiacountyfla.com>
Subject: Lot 2 Water Availability Letter

Please see attached below.

--

Kathy McCall

1908-22

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

33-3S-16-02439-102

Clerk's Office Stamp

Inst: 201912018674 Date: 08/13/2019 Time: 12:49PM
Page 1 of 1 B: 1391 P: 311, P.DeWitt Cason, Clerk of Court Colum County, By: BS
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 2 of The Reserve at Sweetwater Phase I. A PRRD as Plat thereof, recorded in Plat book 9, Page 123 of Public records of Columbia County Florida
   a) Street *(job)* Address: 151 SW Grant Oak Ct, 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: GARY SORENSEN 1400 WEST 22ND STREET, STE. A, KEARNEY, NE 68845-5389
   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 DRIVE STE. 130, LAKE CITY, FL 32025
   b) Telephone No.: 386.984.0798
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: Kathy McCall 426 SW Commerce Dr. ste.130 Lake City FL 32025
   b) Telephone No. 386-628-1761 kathy.gsms@gmail.com
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. Kathy McCall
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Kathy McCall Office manager
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 13th day of Aug, 2019, by:

Kathy McCall as Manager for Gary Sorensen.
(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

Columbia County Property Appraiser

Jeff Hampton

2018 Tax Roll Year
updated: 6/25/2019

Parcel: << **33-3S-16-02439-102** >>

Aerial Viewer Pictometery Google Maps

Owner & Property Info

Result: 1 of 1

Owner	SORENSEN GARY 10153 US HIGHWAY 90 W LAKE CITY, FL 32055		
Site	151 GREAT OAK CT, LAKE CITY		
Description*	LOT 2 RESERVE AT JEWEL LAKE PHASE 1 (3RD PLAT) AKA LOT 2-A RESERVE AT JEWEL LAKE PHASE 1.		
Area	0.3 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.

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	$21,763	Mkt Land (1)	$21,763
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$21,763	Just	$21,763
Class	$0	Class	$0
Appraised	$21,763	Appraised	$21,763
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$21,763	Assessed	$21,763
Exempt	$0	Exempt	$0
Total Taxable	county:$21,763 city:$21,763 other:$21,763 school:$21,763	Total Taxable	county:$21,763 city:$21,763 other:$21,763 school:$21,763

Sales History

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 - (0.300 AC)	1.00/1.00 1.00/1.00	$21,763	$21,763

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES
Revised 12/2016

[redacted]

				Select From the Dropbox		
1	Two (2) complete sets of plans containing the following:			- YES		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			- YES		
3	Condition space (Sq. Ft.)	1,376 ft	Total (Sq. Ft.) under roof	1,806 ft	YES	NO	N/A

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

Site Plan information including:

4	Dimensions of lot or parcel of land	- 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.

[redacted]

		YES	NO	N/A
8	**Plans or specifications must show compliance with FBCR Chapter 3**			

		Select From the Dropbox
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	- N/A
18	Location and size of skylights with Florida Product Approval	- N/A
18	Number of stories	- YES
20A	Building height from the established grade to the roofs highest peak	- YES

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	YES
21	Raised floor surfaces located more than 30 inches above the floor or grade	N/A
22	All exterior and interior shear walls indicated	YES
23	Shear wall opening shown (Windows, Doors and Garage doors)	YES
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	YES
25	Safety glazing of glass where needed	N/A
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	N/A
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	N/A
28	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)

[redacted]

YES / NO / N/A

FBCR 403: Foundation Plans

Select From the Dropbox

29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	YES
30	All posts and/or column footing including size and reinforcing	YES
31	Any special support required by soil analysis such as piling.	YES
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	YES

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

37	Show all materials making up walls, wall height, and Block size, mortar type	YES
38	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

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	N/A

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

YES / NO / N/A

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

[redacted]

Select From the Dropbox

52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	YES
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	/
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)	
57	Indicate where pressure treated wood will be placed	
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses	YES
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	
64	Provide dead load rating of trusses	

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	YES
72	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 chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted,** *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

YES / NO / N/A

		Select From the Dropbox
73	Show the insulation R value for the following areas of the structure	YES
74	Attic space	YES
75	Exterior wall cavity	YES
76	Crawl space	N/A

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

82	Pump motor horse power	N/A
83	Reservoir pressure tank gallon capacity	N
84	Rating of cycle stop valve if used	N

Electrical layout shown including

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed.		~~NO~~	Yes
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com		~~NO~~	Yes
94	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.		~~NO~~	N/A
	[redacted]			
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058		~~NO~~	N/A
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031		NO	~~N/A~~ Yes
97	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations		~~NO~~	N/A
98	**CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.			Yes
99	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			
100	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.		~~NO~~	N/A
101	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.		~~NO~~	Yes

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

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

Notice Of Commencement

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

Section R101.2.1 of the Florida Building Code Residential:

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

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

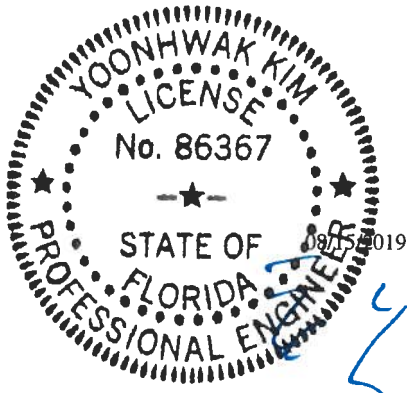
Category/Subcategory	Manufacturer	Product Description	Approval #
1. EXTERIOR DOORS			
A. SWINGING	MASONITE	Ext Doors	FL 8228-R7
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MI Homes/Ply Gem	Windows	FL 17670-R1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED	"	window	FL 18644
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Siding	FL 13192-R4
B. SOFFITS	KAYCAN	soffit	FL 16503
C. PANEL PRODUCTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	Arc Shingles	FL 10124-R19
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. BUILT-UP ROOF			
E. OTHER			
6a AT Underlayment	GAF	Underlayment	FL 15487-R1
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	Simpson	Connectors	FL 13872-R2
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. WINDOWS			
F. DOORS			
6. OPENING PROTECTION			
ENVELOPE PRODUCTS			

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

10/7/2017
Date

NOTES:

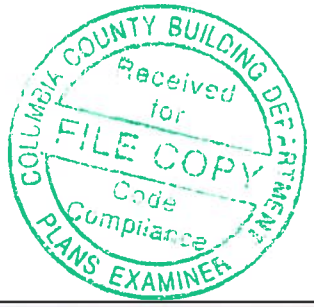


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

ALPINE AN ITW COMPANY

#0-278

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:* 19-3453
Job Description: /LOT 2, JEWEL LAKE /S&S CONSTRUCTION	
Address: LOT 2, JEWEL LAKE, LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 18.02.01 *JRef #:* 1WNO2150007
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 42 truss drawing(s) and 4 detail(s).

Item	Seal #	Truss
1	227.19.1545.55987	A01
3	227.19.1545.56189	A03
5	227.19.1545.56251	A05
7	227.19.1545.56409	A07
9	227.19.1545.56392	A09
11	227.19.1545.56641	A11
13	227.19.1545.55940	C01
15	227.19.1545.55956	C03
17	227.19.1545.56439	D01
19	227.19.1545.56111	D03
21	227.19.1545.56034	G02
23	227.19.1545.56410	H02
25	227.19.1545.56672	J01
27	227.19.1545.56079	J02
29	227.19.1545.56033	J03
31	227.19.1552.31647	V01
33	227.19.1552.34723	V03
35	227.19.1552.37513	V05
37	227.19.1552.40290	V07
39	227.19.1552.43790	V09
41	227.19.1552.47170	V11

Item	Seal #	Truss
2	227.19.1545.56190	A02
4	227.19.1545.56377	A04
6	227.19.1545.56191	A06
8	227.19.1545.56485	A08
10	227.19.1545.56578	A10
12	227.19.1545.56220	B01
14	227.19.1545.55957	C02
16	227.19.1545.56017	C04
18	227.19.1545.56283	D02
20	227.19.1545.56408	G01
22	227.19.1545.56095	H01
24	227.19.1545.56438	H03
26	227.19.1545.56533	J011
28	227.19.1545.56235	J021
30	227.19.1545.56704	JH1
32	227.19.1552.33200	V02
34	227.19.1552.36207	V04
36	227.19.1552.39007	V06
38	227.19.1552.41953	V08
40	227.19.1552.45460	V10
42	227.19.1553.02740	V12

General Notes

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

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

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

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

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

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

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

General Notes (continued)

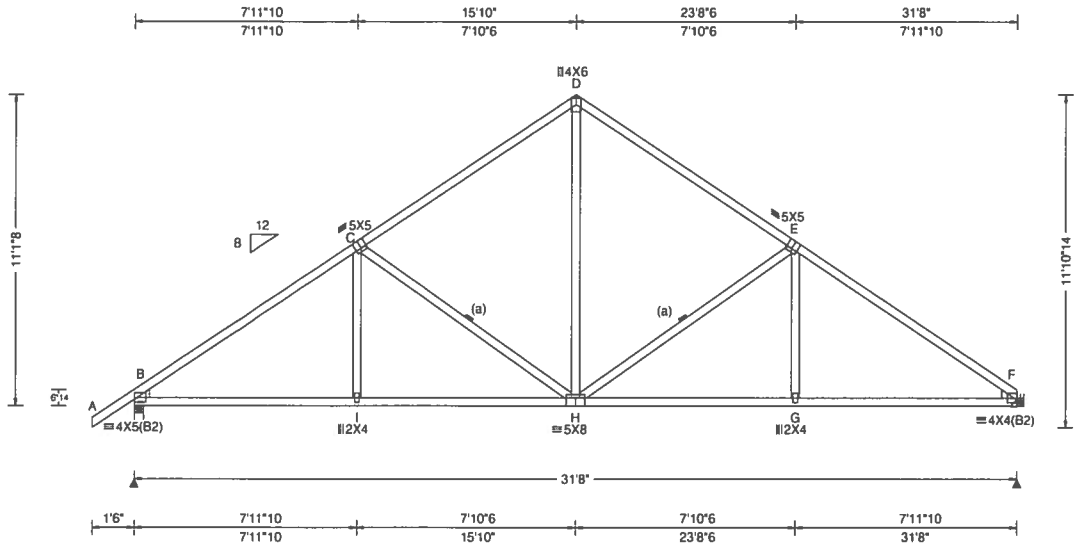
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written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

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

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

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

SEQN: 636532 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A01	Cust: R R215 JRef: 1WNO2150007 T28 / DrwNo: 227.19.1545.55987 KD / YK 08/15/2019



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): 0.072	H	999	240
VERT(CL): 0.149	H	999	180
HORZ(LL): 0.035	G	-	-
HORZ(TL): 0.074	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.664
Max BC CSI: 0.758
Max Web CSI: 0.505

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1436	/-	/-	/876	/236	/331
F	1328	/-	/-	/784	/208	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.7
F 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	375	-1901	D - E	375	-1344
C - D	369	-1343	E - F	394	-1911

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1471	-211	H - G	1480	-216
I - H	1469	-211	G - F	1482	-216

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	216	-576	H - E	221	-589
D - H	841	-225			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 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 F (31'5", 9') HUS26
Supporting Member: (2)2x8 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

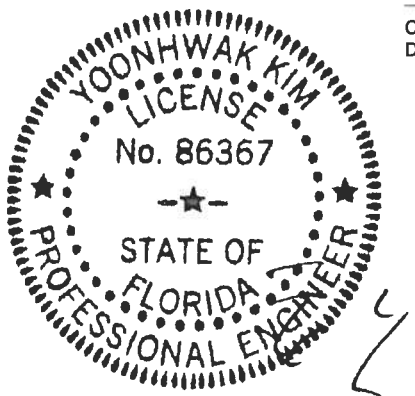
Wind

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 11-1-8.



#0-278
08/15/2019

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

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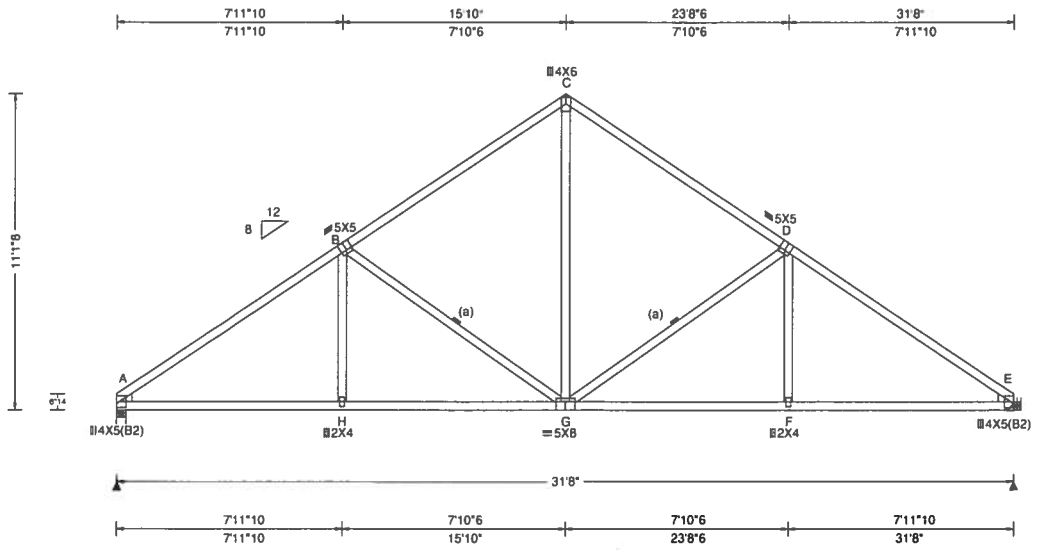
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

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

SEQN: 636534 / COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A02	Cust: R R215 JRef: 1WNO2150007 T6 / DrwNo: 227.19.1545.56190 YK / FV 08/15/2019



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): 0.095	G	999	240
VERT(CL): 0.176	G	999	180
HORZ(LL): 0.046	F	-	-
HORZ(TL): 0.086	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.658
Max BC CSI: 0.780
Max Web CSI: 0.510

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1518	/-	/-	/784	/209	/296
E	1516	/-	/-	/784	/209	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.8
E 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	396	-2224	C - D	376	-1514
B - C	376	-1514	D - E	396	-2219

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	1741	-217	G - F	1732	-217
H - G	1737	-217	F - E	1736	-217

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	222	-731	G - D	222	-725
C - G	1029	-227			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

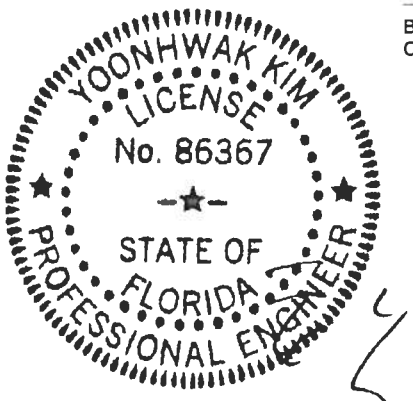
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-1-8.



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08/15/2019

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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
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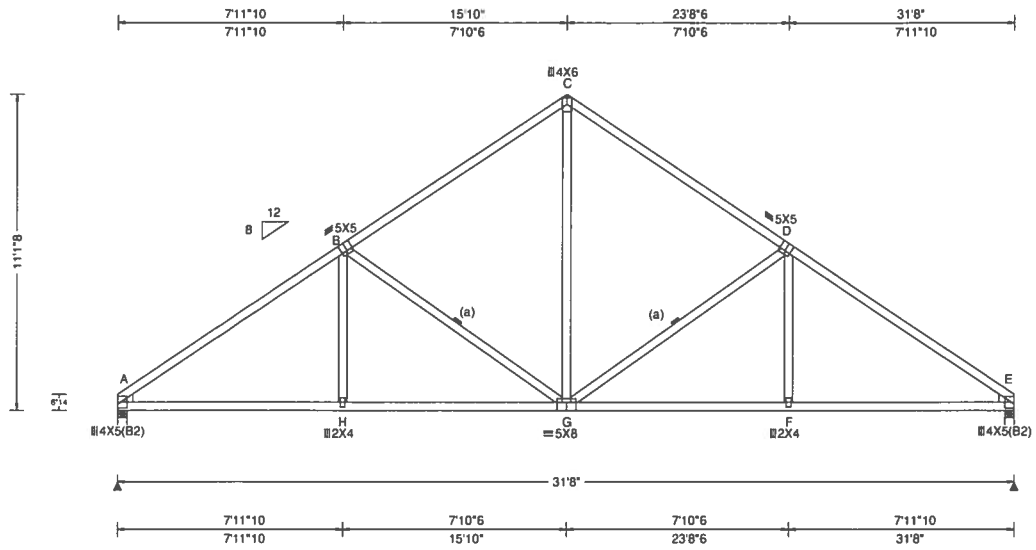
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636536 / COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A03	Cust: R R215 JRef: 1WNO2150007 T27 / DrwNo: 227.19.1545.56189 YK / FV 08/15/2019



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: 3.17 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): 0.095	G	999	240
VERT(CL): 0.176	G	999	180
HORZ(LL): 0.046	F	-	-
HORZ(TL): 0.086	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.658
Max BC CSI: 0.780
Max Web CSI: 0.510

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1518	/-	/-	/784	/9	/296
E	1516	/-	/-	/784	/9	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.8
E Brg Width = 4.0 Min Req = 1.8
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	396	- 2224	C - D	376	- 1514
B - C	376	- 1514	D - E	396	- 2219

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	1741	- 217	G - F	1732	- 217
H - G	1737	- 217	F - E	1736	- 217

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	222	- 731	G - D	222	- 725
C - G	1029	- 227			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 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.

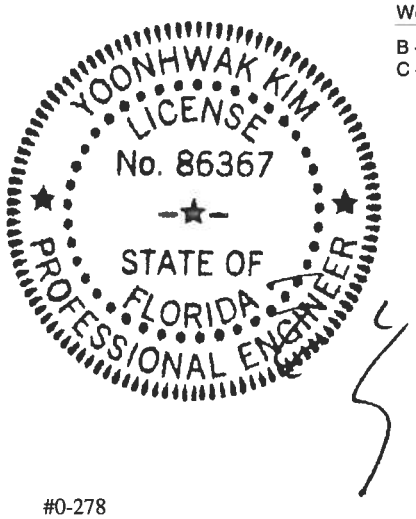
Wind

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 11-1-8.



#0-278
08/15/2019

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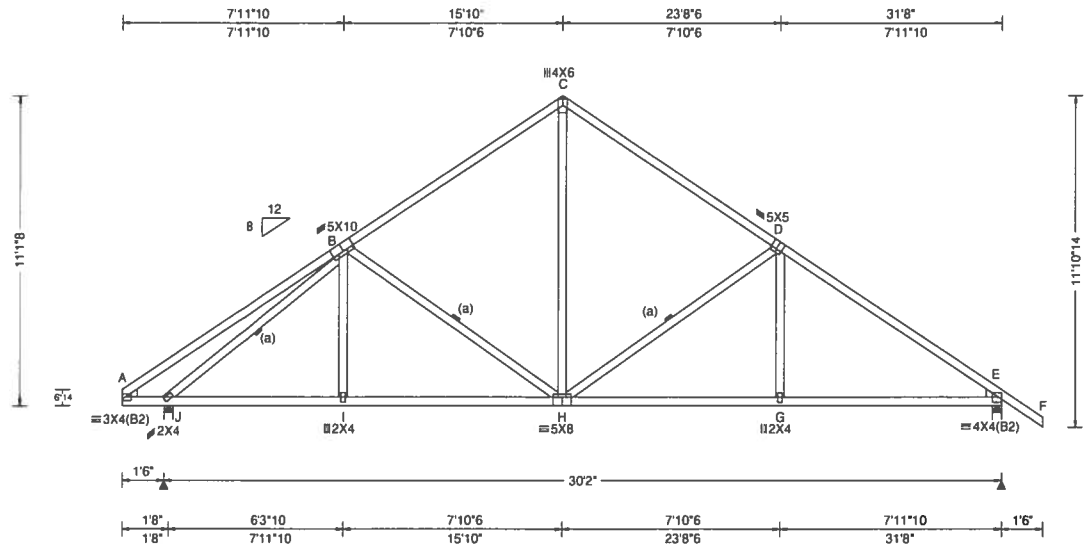
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 636538 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A04	Cust: R R215 JRef: 1WNO2150007 T8 / DrwNo: 227.19.1545.56377 YK / FV 08/15/2019



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: 3.17 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): 0.058	H	999	240
VERT(CL): 0.120	H	999	180
HORZ(LL): 0.030	G	-	-
HORZ(TL): 0.062	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.753
Max BC CSI: 0.760
Max Web CSI: 0.676

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1400	/-	/-	/855	/-	/331
E	1367	/-	/-	/839	/15	/-

Wind reactions based on MWFRS
J Brg Width = 4.0 Min Req = 1.5
E Brg Width = 4.0 Min Req = 1.6
Bearings J & 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.
B - C	349	-1228	D - E	355	-1783
C - D	348	-1222			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	1190	-163	H - G	1371	-160
I - H	1192	-163	G - E	1373	-160

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	343	-1706	H - D	217	-580
C - H	729	-196			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

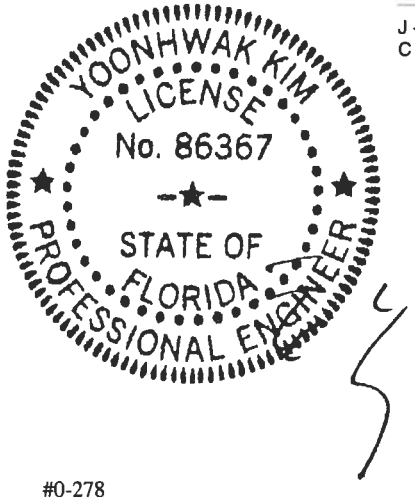
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-1-8.



#0-278
08/15/2019

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

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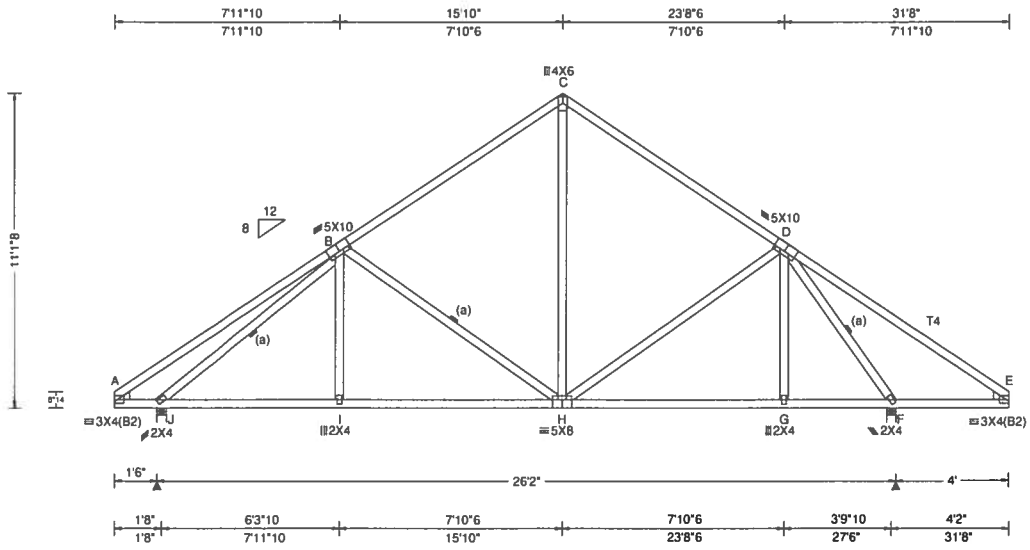
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

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

SEQN: 636540 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A05	Cust: R R215 JRef: 1WNO2150007 T1 / DrwNo: 227.19.1545.56251 YK / FV 08/15/2019



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: 3.17 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): 0.032	I	999	240
VERT(CL): 0.067	I	999	180
HORZ(LL): 0.016	F	-	-
HORZ(TL): 0.035	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.760
Max BC CSI: 0.726
Max Web CSI: 0.569

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1215	/-	/-	/758	/-	/296
F	1462	/-	/-	/948	/-	/-

Wind reactions based on MWFRS
J Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
Bearings J & 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	301	- 936	D - E	523	- 196
C - D	286	- 933			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	976	- 176	H - G	637	- 74
I - H	978	- 176	G - F	636	- 75

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	298	- 1438	C - H	469	- 143
B - H	189	- 400	D - F	364	- 1592

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

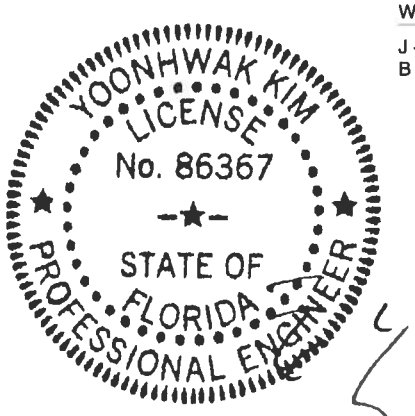
Left and right cantilevers are exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-1-8.

WARNING! This truss is not symmetric, but its exterior geometry makes erection error more probable.
It is imperative that this truss be installed properly.



#0-278
08/15/2019

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

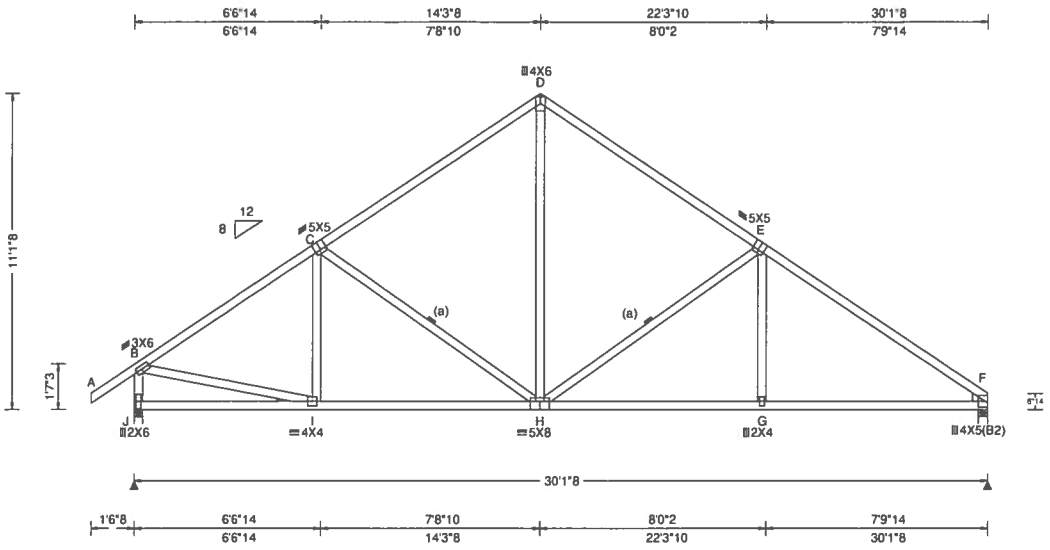
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise,top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

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

SEQN: 636596 / SPEC FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A06	Cust: R R215 JRef: 1WNO2150007 T9 / DrwNo: 227.19.1545.56191 YK / FV 08/15/2019	



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: 3.01 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): 0.071	G	999	240
VERT(CL): 0.133	G	999	180
HORZ(LL): 0.031	G	-	-
HORZ(TL): 0.058	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.663
Max BC CSI: 0.759
Max Web CSI: 0.512

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1487	/-	/-	/817	/226	/319
F	1427	/-	/-	/748	/199	/-

Wind reactions based on MWFRS
J Brg Width = 3.5 Min Req = 1.8
F Brg Width = 4.0 Min Req = 1.7
Bearings J & 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	325	- 1719	D - E	354	- 1359
C - D	349	- 1357	E - F	373	- 2066

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	1349	- 159	G - F	1610	- 199
H - G	1607	- 199			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	339	- 1444	D - H	855	- 200
B - I	1345	- 151	H - E	221	- 729
C - H	172	- 412			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Rt Wedge 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.

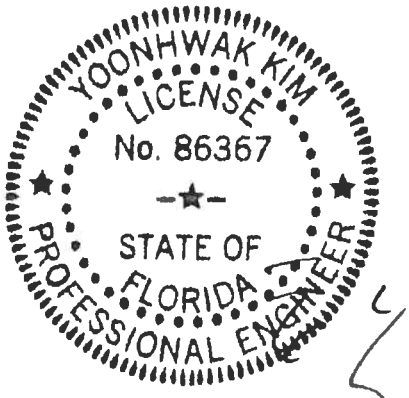
Wind

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 11-1-8.



#0-278
08/15/2019

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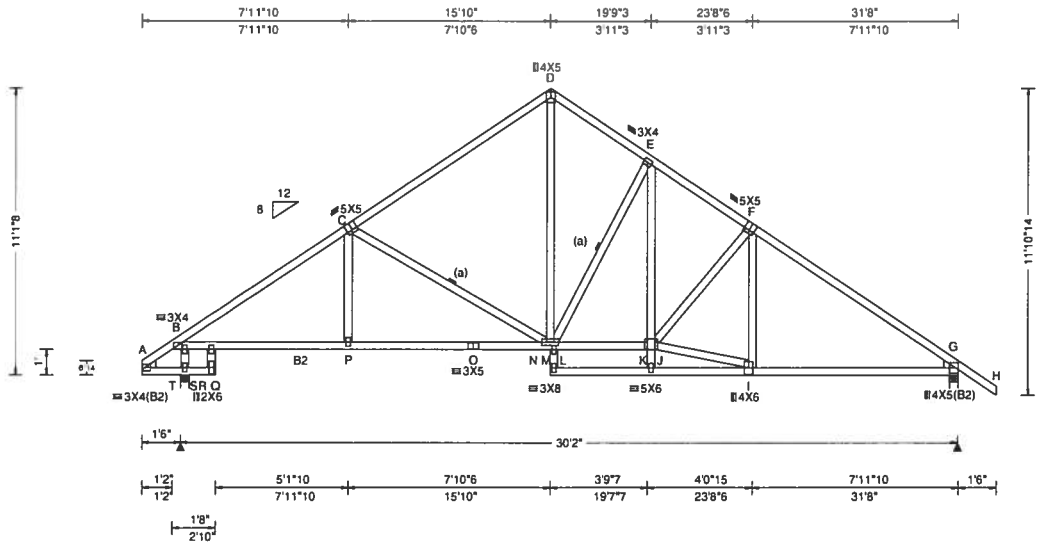
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 636649 / COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A07	Cust: R R215 JRef: 1WNO2150007 T19 / DrwNo: 227.19.1545.56409 YK / FV 08/15/2019



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: 3.17 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): 0.102	M	999	240
VERT(CL): 0.200	M	999	180
HORZ(LL): 0.084	I	-	-
HORZ(TL): 0.121	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.697
Max BC CSI: 0.847
Max Web CSI: 0.588

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1456	/-	/-	/855	/-	/331
G	1487	/-	/-	/839	/15	/-

Wind reactions based on MWFRS
T Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.8
Bearings T & 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.
B - C	341	-1891	E - F	385	-1782
C - D	345	-1425	F - G	354	-1952
D - E	356	-1316			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	964	-138	O - M	1489	-209
S - R	1441	-154	M - L	1393	-62
R - P	1490	-209	L - J	1380	-59
P - O	1489	-209	I - G	1509	-154

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - T	330	-1544	M - E	173	-693
C - M	185	-491	E - J	704	-131
D - M	996	-229	J - I	1543	-155

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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.

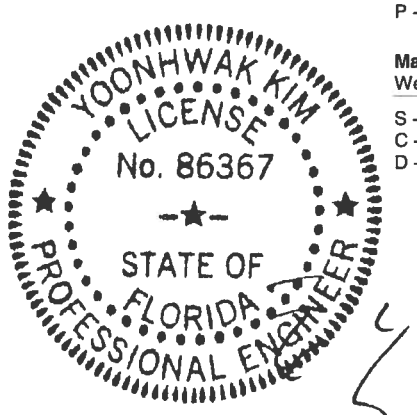
Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-1-8.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



#0-278
08/15/2019

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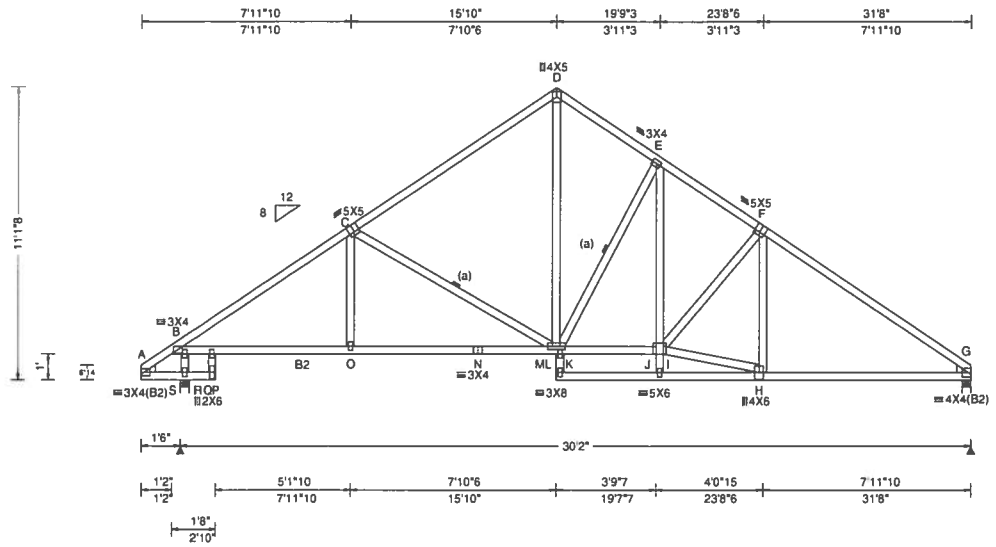
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636567 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A08	Cust: R R215 JRef: 1WNO2150007 T29 / DrwNo: 227.19.1545.56485 YK / FV 08/15/2019



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: 3.17 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): 0.100	L	999	240
VERT(CL): 0.197	L	999	180
HORZ(LL): 0.080	H	-	-
HORZ(TL): 0.115	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.789
Max BC CSI: 0.849
Max Web CSI: 0.594

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	1459	/-	/-	/855	/-	/296
G	1381	/-	/-	/748	/8	/-

Wind reactions based on MWFRS
S Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.6
Bearings S & 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.
B - C	352	- 1896	E - F	411	- 1792
C - D	351	- 1430	F - G	374	- 1968
D - E	369	- 1321			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	967	- 102	N - L	1493	- 190
R - Q	1444	- 174	L - K	1399	- 100
Q - O	1494	- 190	K - I	1386	- 96
O - N	1493	- 190	H - G	1525	- 197

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - S	355	- 1547	L - E	178	- 697
C - L	197	- 491	E - I	714	- 149
D - L	1000	- 235	I - H	1559	- 198

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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.

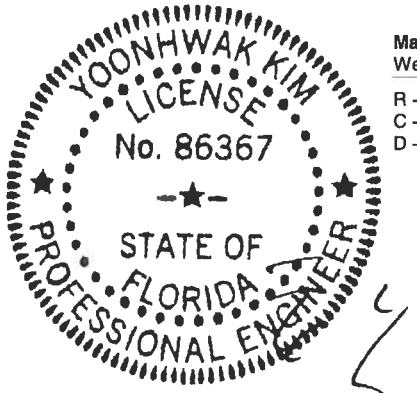
Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-1-8.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



#0-278
08/15/2019

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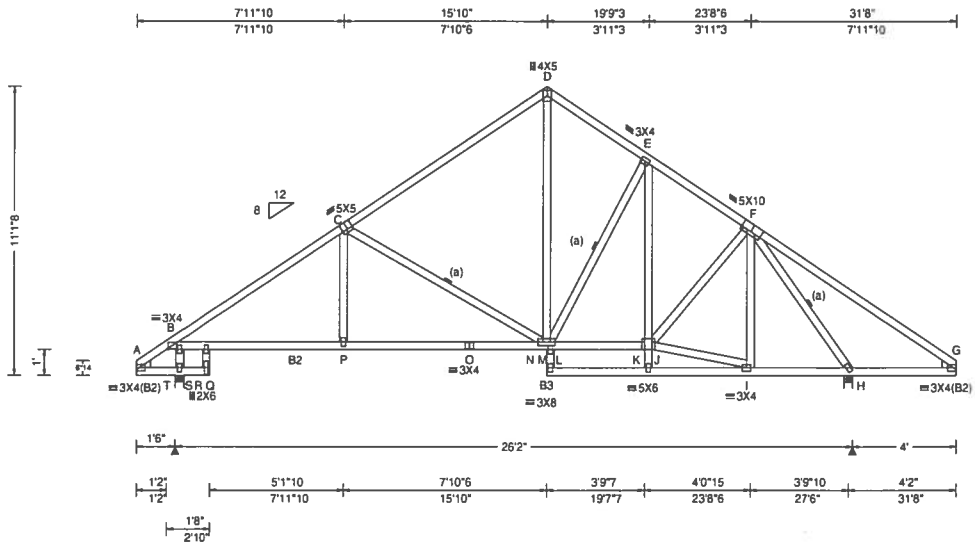
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 636565 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A09	Cust: R R215 JRef: 1WNO2150007 T5 / DrwNo: 227.19.1545.56392 YK / FV 08/15/2019



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: 3.17 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): 0.085	S	233	240
VERT(CL): 0.138	P	999	180
HORZ(LL): -0.069	E	-	-
HORZ(TL): 0.100	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.881
Max BC CSI: 0.712
Max Web CSI: 0.458

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1253	/-	/-	/758	/-	/296
H	1601	/-	/-	/948	/-	/-

Wind reactions based on MWFRS
T Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings T & 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.
B - C	300	-1554	E - F	295	-1161
C - D	296	-1070	F - G	502	-195
D - E	300	-962			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	756	-145	O - M	1202	-222
S - R	1162	-172	M - L	880	-33
R - P	1203	-223	L - J	878	-31
P - O	1202	-222	I - H	680	-68

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - T	322	-1330	J - I	694	-66
C - M	202	-514	F - H	357	-1660
D - M	605	-175			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2 :B2, B3 2x4 SP 2400f-2.0E:
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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.

Left and right cantilevers are exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-1-8.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

#0-278
08/15/2019

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ALPINE
AN ITW COMPANY
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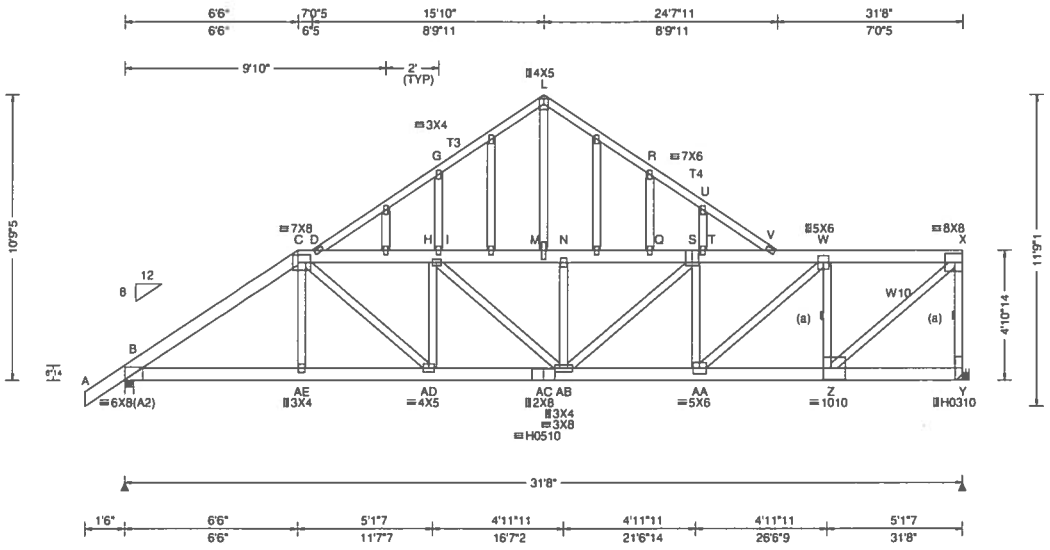
Suite 305
Orlando FL, 32821

SEQN: 636619 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A10	Cust: R R215 JRef: 1WNO2150007 T3 / DrwNo: 227.19.1545.56578 YK / FV 08/15/2019	



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 6.63 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): 0.188	P	999	240
VERT(CL): 0.379	P	997	180
HORZ(LL): 0.074	E	-	-
HORZ(TL): 0.149	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.500
Max BC CSI: 0.421
Max Web CSI: 0.915

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	4067	/-	/-		/1133	/916	/403
Y	4340	/-	/-		/857	/991	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 3.4
Y 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	1409	- 6297	N - Q	1115	- 5041
C - D	1418	- 6393	Q - S	1110	- 5026
D - G	396	- 1712	R - U	371	- 1618
D - H	1128	- 5105	S - T	1120	- 5005
G - L	376	- 1625	T - V	1113	- 4986
H - I	1109	- 5023	U - V	378	- 1659
I - M	1115	- 5041	V - W	1398	- 6249
L - R	363	- 1603	W - X	969	- 4282
M - N	1115	- 5041			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AE	5073	- 1126	AC-AB	6401	- 1423
AE-AD	5089	- 1126	AB-AA	6337	- 1422
AD-AC	6401	- 1423	AA- Z	4507	- 1027

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AE	525	- 2	AA- W	2402	- 511
C -AD	1690	- 375	W - Z	886	- 3436
AD- H	260	- 745	Z - X	5744	- 1299
N -AB	573	- 110	X - Y	994	- 4196
S -AA	375	- 1340			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
G - I	148	- 472	Q - R	121	- 404
L - M	1066	- 259	T - U	164	- 433

Lumber

Top chord 2x6 SP 2400f-2.0E :T3, T4 2x4 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3 :W10 2x4 SP 2400f-2.0E:

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 6.50
TC: From 32 plf at 6.50 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 6.53
BC: From 10 plf at 6.53 to 10 plf at 31.67
TC: 245 lb Conc. Load at 6.53
TC: 179 lb Conc. Load at 8.56,10.56,12.56,14.56 16.56,18.56,20.56,22.56,24.56,26.56,28.56,30.56
BC: 424 lb Conc. Load at 6.53
BC: 122 lb Conc. Load at 8.56,10.56,12.56,14.56 16.56,18.56,20.56,22.56,24.56,26.56,28.56,30.56

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads based on MWFRS.

Right end vertical not exposed to wind pressure.

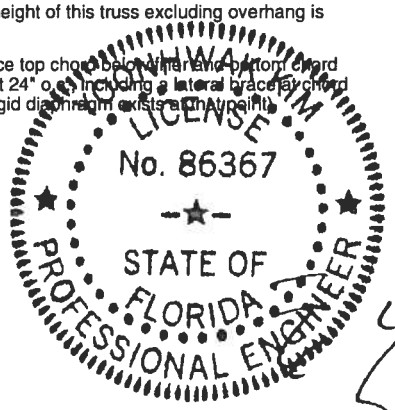
Additional Notes

Refer to General Notes for additional information

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

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

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



#0-278
08/15/2019

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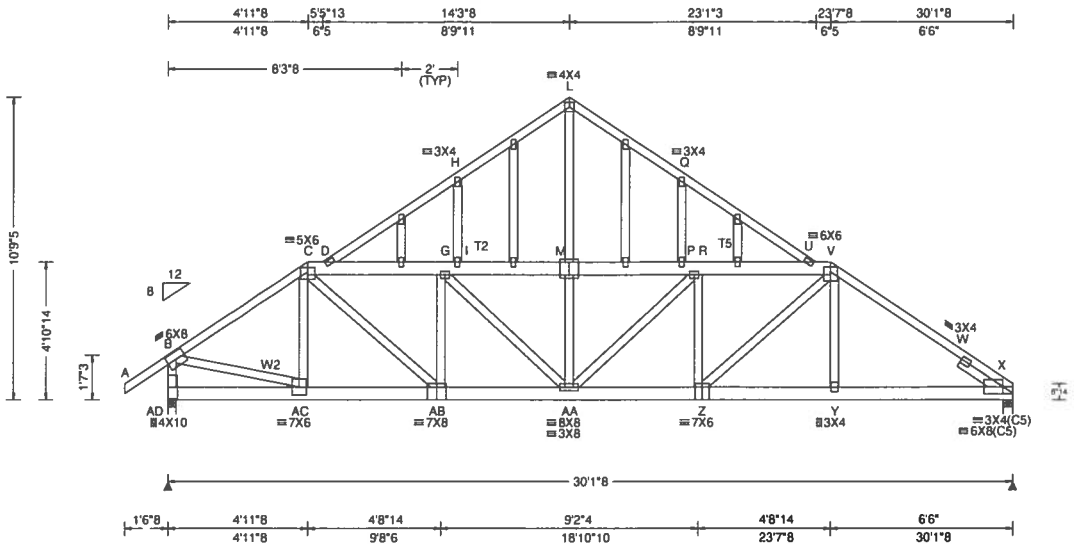
SEQN: 636624 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** A11		Cust: R R215 JRef: 1WNO2150007 T11 / DrwNo: 227.19.1545.56641 YK / FV 08/15/2019



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: 3.01 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): 0.142	S	999	240
VERT(CL): 0.295	S	999	180
HORZ(LL): 0.039	E	-	-
HORZ(TL): 0.082	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.985
Max BC CSI: 0.319
Max Web CSI: 0.802

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AD	3650	/-	/-	/-	/784	/-
X	3358	/-	/-	/-	/669	/-

Wind reactions based on MWFRS
AD Brg Width = 3.5 Min Req = 3.0
X Brg Width = 4.0 Min Req = 2.8
Bearings AD & X 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	906	-4256	M - P	738	-3557
C - D	993	-4742	P - R	733	-3541
D - H	397	-1772	Q - U	368	-1716
D - G	738	-3511	R - U	804	-3922
G - I	733	-3541	U - V	1061	-5155
H - L	335	-1600	V - W	1070	-5256
I - M	738	-3557	W - X	1173	-5342
L - Q	356	-1650			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AC-AB	3490	-740	Z - Y	4251	-868
AB-AA	4843	-1021	Y - X	4267	-868
AA- Z	5230	-1083			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AD	755	-3474	AA- R	123	-592
B -AC	3552	-750	R - Z	212	-577
C -AB	1801	-366	Z - V	1314	-281
AB- G	282	-955	V - Y	492	-2
M -AA	840	-100			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
H - I	134	-437	P - Q	128	-437
L - M	1150	-193			

Lumber

Top chord 2x4 SP #2 :T2, T5 2x6 SP 2400f-2.0E:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3 :W2 2x4 SP #2:
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.758'

Special Loads

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

TC: From	64 plf at	-1.54 to	64 plf at	2.02
TC: From	32 plf at	2.02 to	32 plf at	23.62
TC: From	64 plf at	23.62 to	64 plf at	30.13
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	23.59
BC: From	20 plf at	23.59 to	20 plf at	30.13

TC: 179 lb Conc. Load at 6.02, 8.02,10.02,12.02 14.02,15.56,17.56,19.56,21.56
TC: 245 lb Conc. Load at 23.59
BC: 258 lb Conc. Load at 2.02, 4.02
BC: 122 lb Conc. Load at 6.02, 8.02,10.02,12.02 14.02,15.56,17.56,19.56,21.56
BC: 424 lb Conc. Load at 23.59

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads and reactions based on MWFRS.

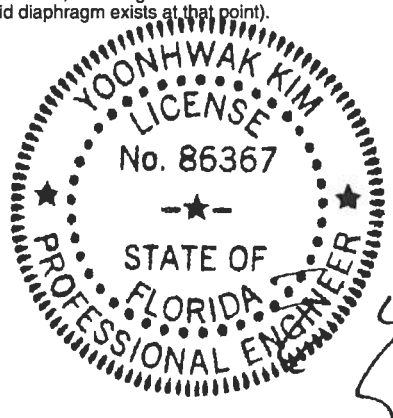
Additional Notes

Refer to General Notes for additional information

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

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

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



#0-278
08/15/2019

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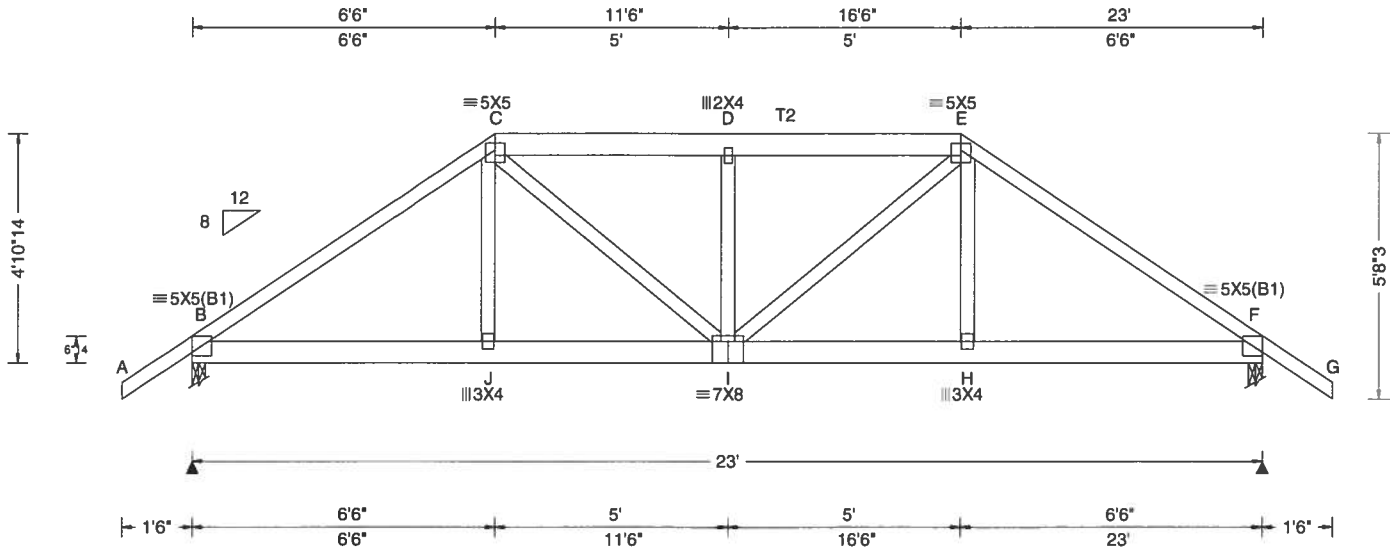
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636613 / HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** B01	Cust: R R215 JRef: 1WNO2150007 T20 / DrwNo: 227.19.1545.56220 YK / FV 08/15/2019



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: 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): 0.080	D	999	240
VERT(CL): 0.162	D	999	180
HORZ(LL): 0.027	H	-	-
HORZ(TL): 0.055	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.740
Max BC CSI: 0.336
Max Web CSI: 0.333

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2130	/-	/-	/-	/499	/-
F	2130	/-	/-	/-	/499	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.8
F Brg Width = 3.5 Min Req = 1.8
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	733	-3090	D - E	741	-3111
C - D	741	-3111	E - F	733	-3090

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	2473	-572	I - H	2459	-573
J - I	2459	-573	H - F	2473	-572

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	450	0	I - E	873	-224
C - I	873	-224	E - H	450	0
D - I	284	-664			

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP 2400f-2.0E:
Bot chord 2x6 SP 2400f-2.0E
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	6.50
TC: From	32 plf at	6.50 to	32 plf at	16.50
TC: From	64 plf at	16.50 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	6.53
BC: From	10 plf at	6.53 to	10 plf at	16.47
BC: From	20 plf at	16.47 to	20 plf at	23.00
BC: From	5 plf at	23.00 to	5 plf at	24.50

TC: 245 lb Conc. Load at 6.53,16.47
TC: 179 lb Conc. Load at 8.56,10.56,12.44,14.44
BC: 424 lb Conc. Load at 6.53,16.47
BC: 122 lb Conc. Load at 8.56,10.56,12.44,14.44

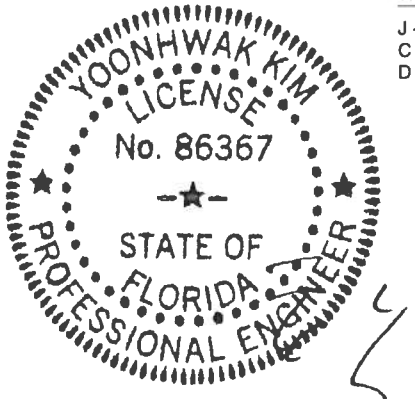
Wind

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 4-10-14.



#0-278
08/15/2019

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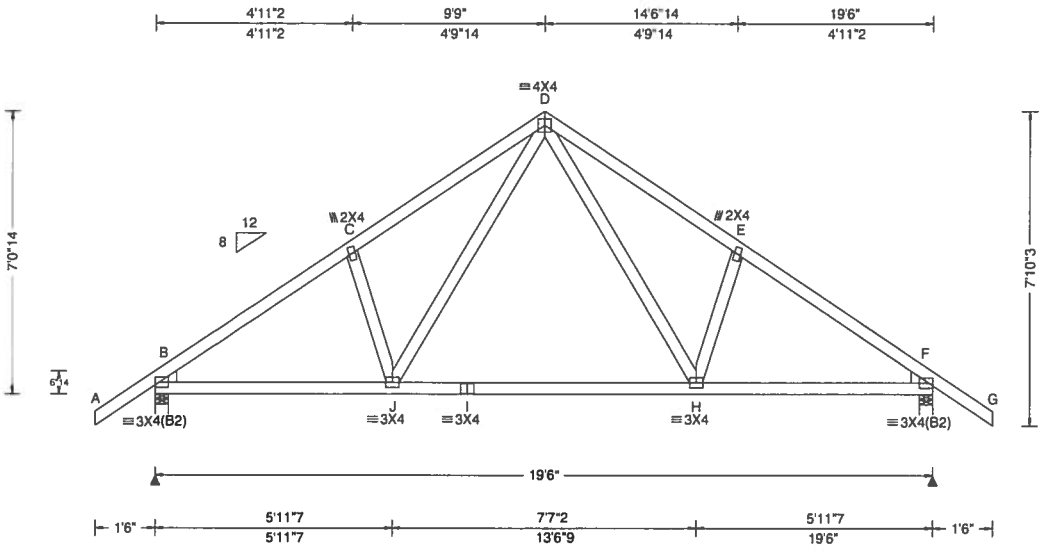
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636653 / COMN FROM: CDM	Ply: 1 Qty: 10	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** C01	Cust: R R215 JRef: 1WNO2150007 T24 / DrwNo: 227.19.1545.55940 YK / FV 08/15/2019



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): 0.039	H	999	240
VERT(CL): 0.075	H	999	180
HORZ(LL): 0.022	H	-	-
HORZ(TL): 0.043	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.368
Max BC CSI: 0.621
Max Web CSI: 0.191

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	984	/-	/-	/573	/154	/234
F	985	/-	/-	/573	/154	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	302	- 1235	D - E	382	- 1141
C - D	383	- 1140	E - F	301	- 1236

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	951	- 130	I - H	646	- 41
J - I	646	- 41	H - F	951	- 138

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	481	- 165	D - H	482	- 165

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

Loading

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

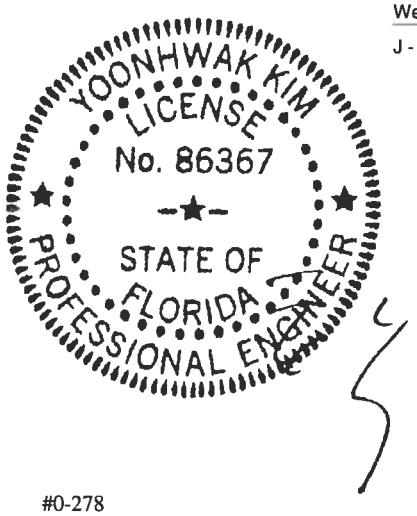
Wind

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 7-0-14.



#0-278
08/15/2019

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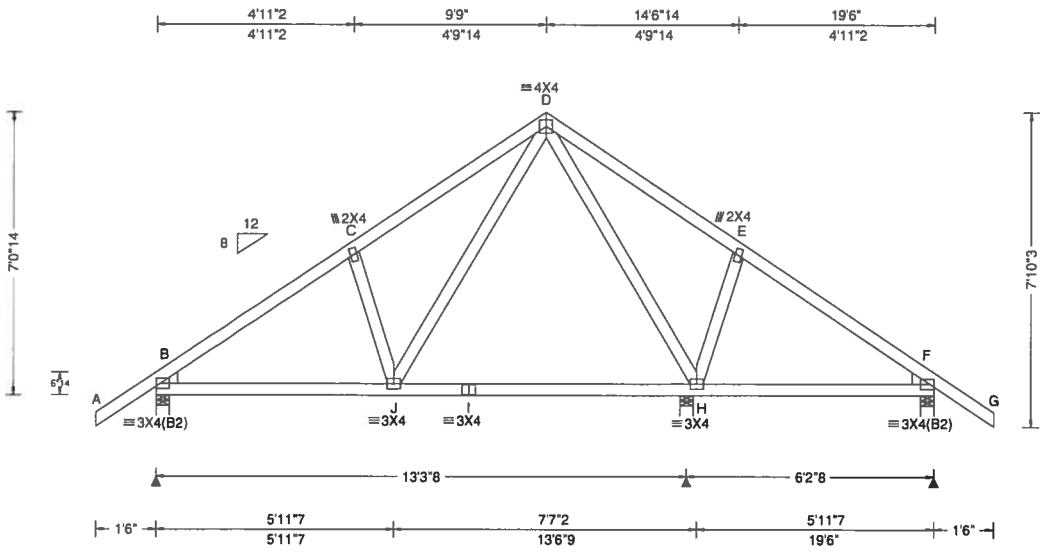
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636651 / COMN	Ply: 1	**Job Number:** 19-3453	Cust: R R215 JRef: 1WNO2150007 T13 /
FROM: CDM	Qty: 1	/LOT 2, JEWEL LAKE /S&S CONSTRUCTION	DrwNo: 227.19.1545.55957
		Truss Label: C02	YK / FV 08/15/2019



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): 0.015	J	999	240
VERT(CL): 0.030	J	999	180
HORZ(LL): 0.006	C	-	-
HORZ(TL): 0.012	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.261
Max BC CSI: 0.551
Max Web CSI: 0.393

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	713	/-	/-	/449	/14	/234
H	660	/-	/-	/391	/-	/-
F	472	/-	/-	/314	/19	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
Bearings B, H, & 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	162	- 757	C - D	235	- 671

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	564	- 132	I - H	567	- 157

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
J - D	415	- 128

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

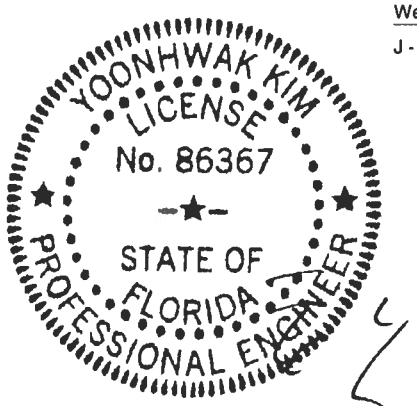
Wind

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 7-0-14.



#0-278
08/15/2019

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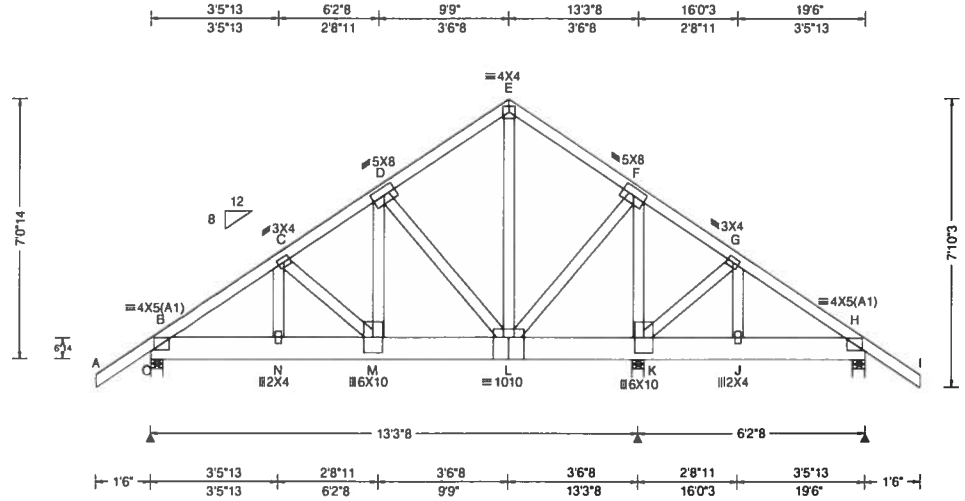
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636628 / COMN FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** C03	Cust: R R215 JRef: 1WNO2150007 T2 / DrwNo: 227.19.1545.55956 YK / FV 08/15/2019

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 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.048	M	999	240
VERT(CL): 0.095	M	999	180
HORZ(LL): 0.013	C	-	-
HORZ(TL): 0.027	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.311
Max BC CSI: 0.348
Max Web CSI: 0.867

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	3544	/-	/-	/-	/748	/-
K	7208	/-	/-	/-	/1306	/-
H	-	/-441	/-	/30	/-	/-

Wind reactions based on MWFRS
O Brg Width = 4.0 Min Req = 1.5
K Brg Width = 4.0 Min Req = 2.6
H Brg Width = 4.0 Min Req = 1.5
Bearings O, K, & 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.
B - C	536	-2578	E - F	266	-1356
C - D	580	-2778	F - G	382	-82
D - E	266	-1357	G - H	462	-93

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2107	-433	M - L	2198	-455
N - M	2116	-436			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - D	2033	-434	L - F	2024	-392
D - L	385	-1731	F - K	523	-2592
E - L	1348	-236			

Lumber

Top chord 2x4 SP #2
Bot chord 2x8 SP 2400f-2.0E
Webs 2x4 SP #3

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	64 plf at	-1.50 to	64 plf at	21.00	
BC: From	5 plf at	-1.50 to	5 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	6.56	
BC: From	10 plf at	6.56 to	10 plf at	12.56	
BC: From	20 plf at	12.56 to	20 plf at	19.50	
BC: From	5 plf at	19.50 to	5 plf at	21.00	

BC: 4340 lb Conc. Load at 6.56
BC: 1328 lb Conc. Load at 8.56
BC: 1516 lb Conc. Load at 10.56,12.56

Wind

Wind loads and reactions based on MWFRS.

Blocking

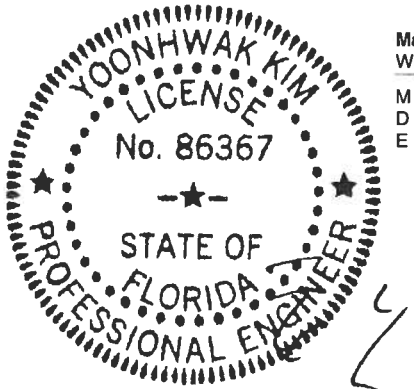
Full Height Blocking reinforcement required to prevent buckling of members over the bearings:
bearing 2 located at 13.12'

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -441# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 7-0-14.



#0-278
08/15/2019

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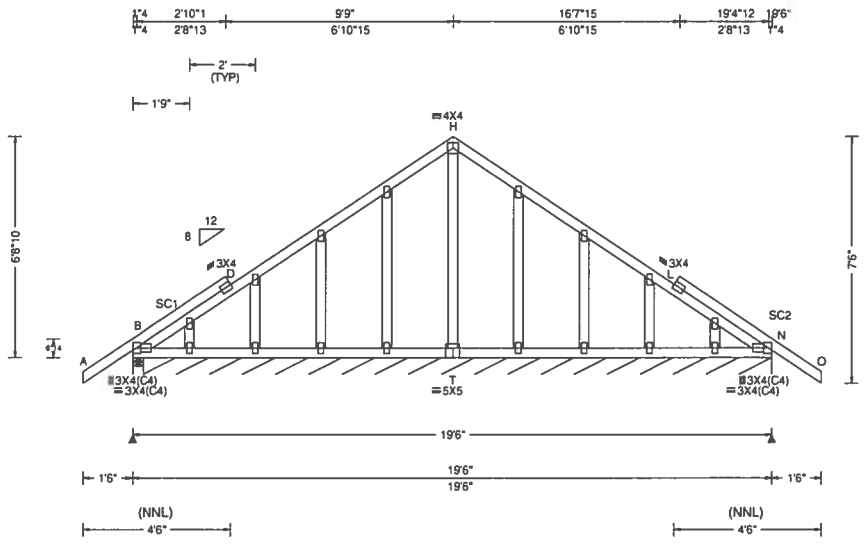
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636632 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** C04	Cust: R R215 JRef: 1WNO2150007 T25 / DrwNo: 227.19.1545.56017 YK / FV 08/15/2019



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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 P 999 240 VERT(CL): 0.004 P 803 180 HORZ(LL): 0.004 L - - HORZ(TL): 0.005 L - - Creep Factor: 2.0 Max TC CSI: 0.387 Max BC CSI: 0.129 Max Web CSI: 0.120 VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	400	/-	/-	/202	/70	/353
N*	119	/-	/-	/56	/24	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
N Brg Width = 230 Min Req = -
Bearings B & B 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

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace 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 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 2x6.

The overall height of this truss, excluding overhangs is 6-8-10.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

#0-278
08/15/2019

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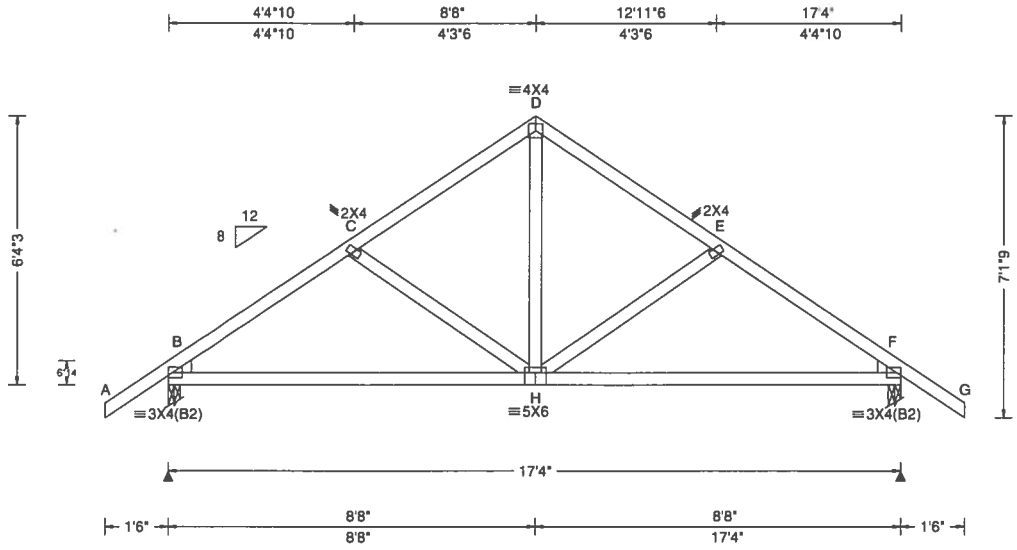
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 636635 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** D01	Cust: R R215 JRef: 1WNO2150007 T26 / DrwNo: 227.19.1545.56439 YK / FV 08/15/2019



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): 0.010	H	-	-
HORZ(TL): 0.021	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.187
Max BC CSI: 0.667
Max Web CSI: 0.185

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	832	/-	/-	/520	/139	/214
F	832	/-	/-	/520	/139	/-

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	269	- 939	D - E	243	- 719
C - D	244	- 719	E - F	268	- 939

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	722	- 110	H - F	722	- 117

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - H	486	- 140

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

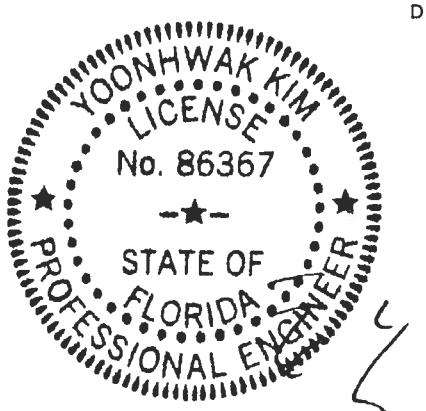
Wind

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 6-4-3.



#0-278
08/15/2019

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ALPINE
AN ITW COMPANY
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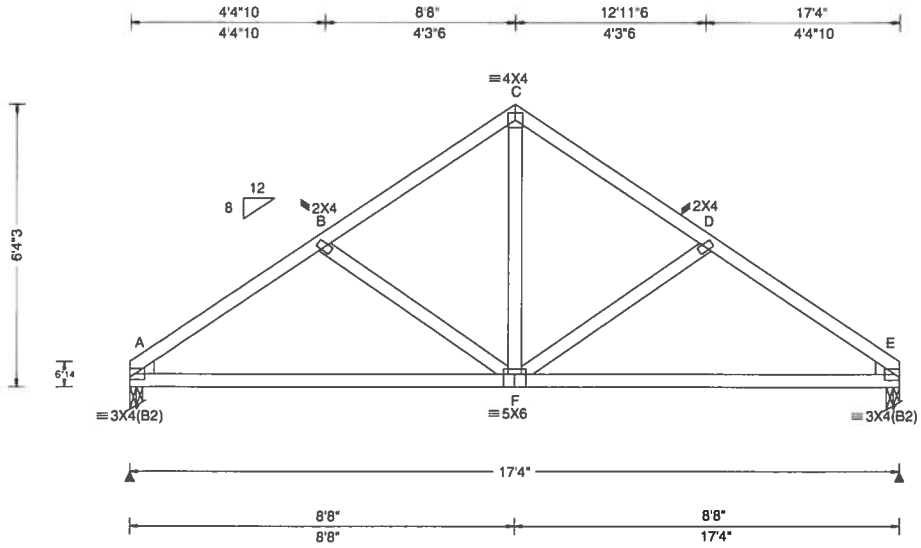
Suite 305
Orlando FL, 32821

SEQN: 636637 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** D02	Cust: R R215 JRef: 1WNO2150007 T34 / DrwNo: 227.19.1545.56283 YK / FV 08/15/2019



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): 0.019	F	999	240
VERT(CL): 0.040	F	999	180
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.019	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.183
Max BC CSI: 0.682
Max Web CSI: 0.190

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	728	/-	/-	/426	/113	/159
E	728	/-	/-	/426	/113	/-

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	230	- 966	C - D	214	- 740
B - C	213	- 740	D - E	230	- 966

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	751	- 128	F - E	751	- 128

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	498	- 122

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

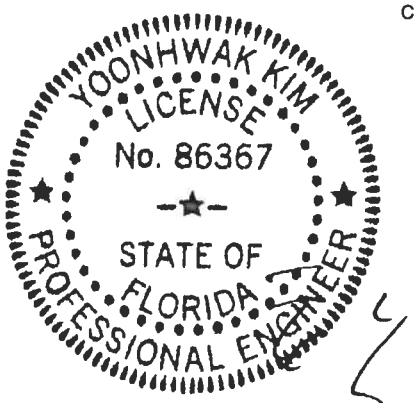
Wind

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 6-4-3.



#0-278
08/15/2019

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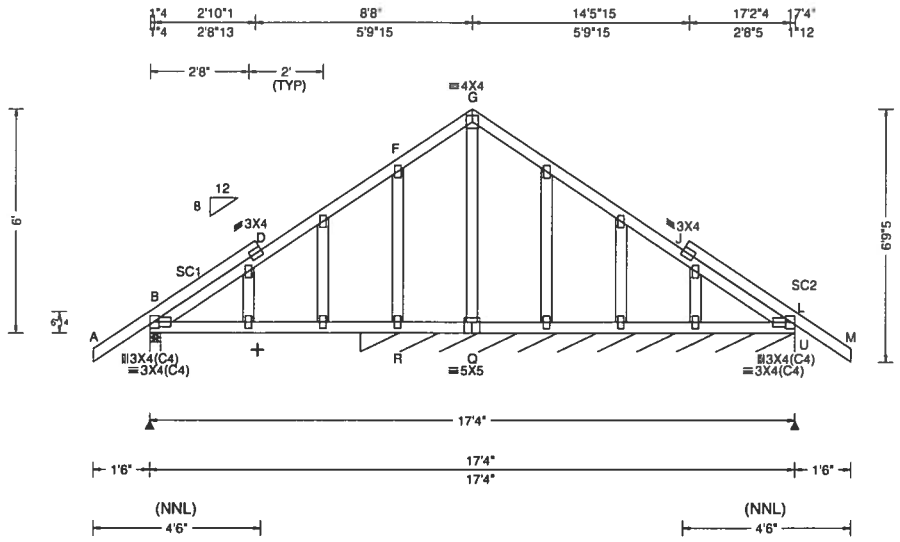
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636641 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** D03	Cust: R R215 JRef: 1WNO2150007 T33 / DrwNo: 227.19.1545.56111 YK / FV 08/15/2019



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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.078 D 999 240 VERT(CL): 0.150 D 520 180 HORZ(LL): 0.049 D - - HORZ(TL): 0.094 D - - Creep Factor: 2.0 Max TC CSI: 0.612 Max BC CSI: 0.497 Max Web CSI: 0.116 VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	516	/-	/-	/296	/94	/322
U*	162	/-	/-	/78	/31	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
U Brg Width = 140 Min Req = -
Bearings B & S are a rigid surface.
Members not listed have forces less than 375#

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
F - R	249	-458

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

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

+ Member to be laterally braced for out of plane wind loads

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 including overhang is 6-0-0.

YOON HWAN KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0-278
08/15/2019

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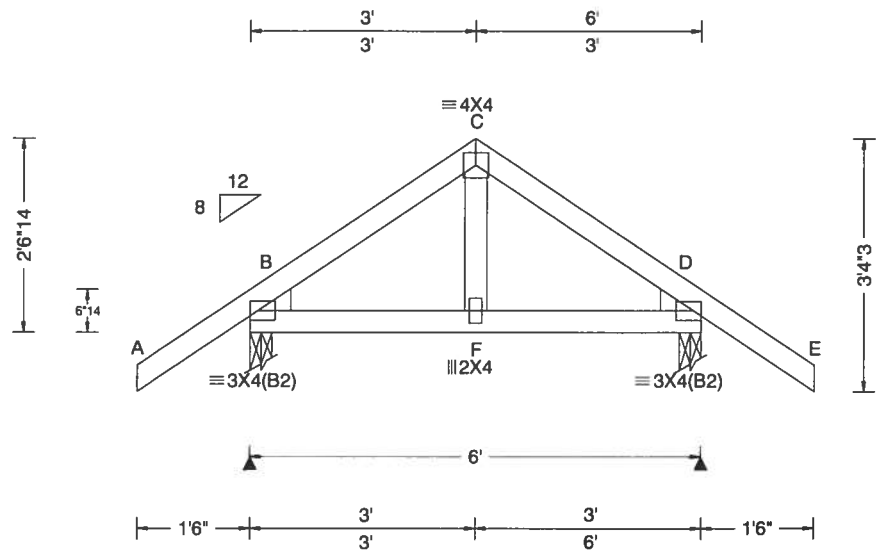
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636643 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** G01	Cust: R R215 JRef: 1WNO2150007 T35 / DrwNo: 227.19.1545.56408 YK / FV 08/15/2019



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	F	999	240
VERT(CL): 0.004	F	999	180
HORZ(LL): 0.001	F	-	-
HORZ(TL): 0.002	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.190
Max BC CSI: 0.075
Max Web CSI: 0.039

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	355	/-	/-	/248	/64	/109
D	355	/-	/-	/162	/66	/-

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
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

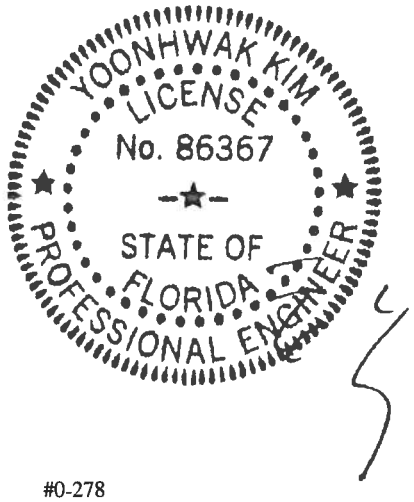
Wind

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 2-6-14.



#0-278
08/15/2019

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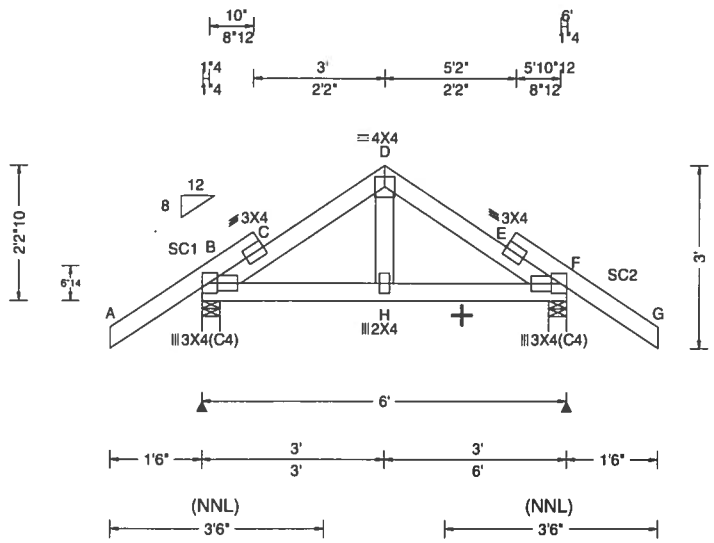
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636647 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** G02	Cust: R R215 JRef: 1WNO2150007 T36 / DrwNo: 227.19.1545.56034 YK / FV 08/15/2019



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: 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): -0.005	C	999	240
VERT(CL): 0.007	E	999	180
HORZ(LL): 0.003	E	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.365
Max BC CSI: 0.132
Max Web CSI: 0.042

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	510	/-	/-	/343	/411	/161
F	510	/-	/-	/343	/411	/-

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	592	-766	E - F	592	-766

Lumber

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

Plating Notes

All plates are 3X4(C4) except as noted.

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

+ Member to be laterally braced for out of plane wind loads

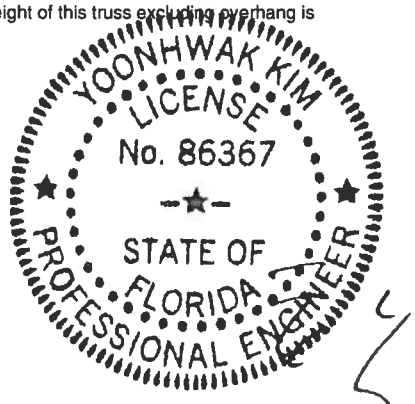
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Additional Notes

Refer to General Notes for additional information

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 2-2-10.



#0-278
08/15/2019

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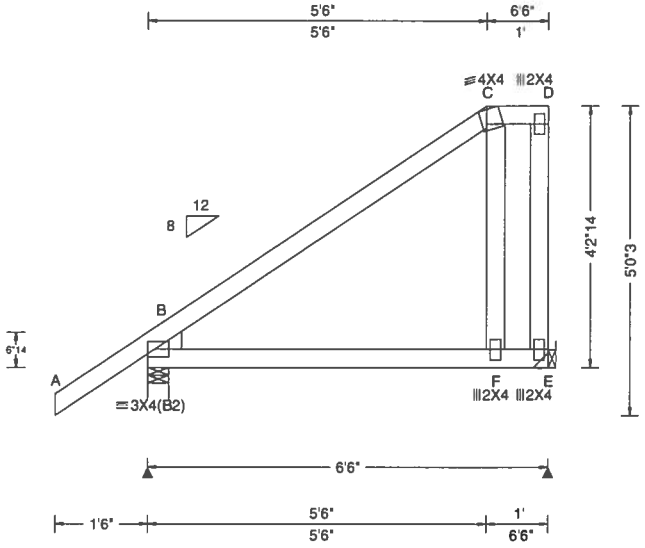
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636592 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** H01	Cust: R R215 JRef: 1WNO2150007 T12 / DrwNo: 227.19.1545.56095 YK / FV 08/15/2019



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): 0.037	F	999	240
VERT(CL): 0.074	F	999	180
HORZ(LL): 0.031	C	-	-
HORZ(TL): 0.062	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.447
Max BC CSI: 0.407
Max Web CSI: 0.197

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	391	/-	/-	/283	/39	/133
E	258	/-	/-	/172	/73	/-

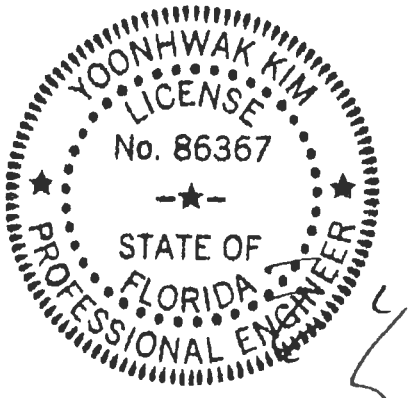
Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3:

Hangers / Ties
(J) Hanger Support Required, by others

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-2-14.



#0-278
08/15/2019

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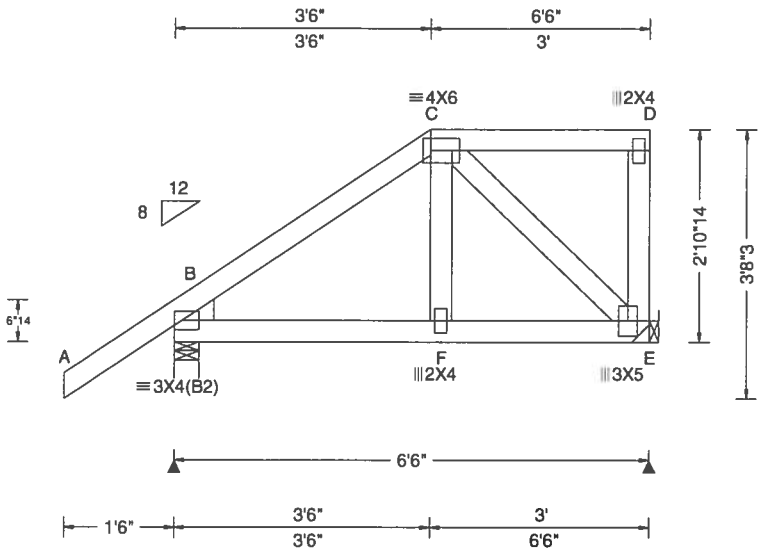
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636589 / COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** H02	Cust: R R215 JRef: 1WNO2150007 T7 / DrwNo: 227.19.1545.56410 YK / FV 08/15/2019



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	F	999	240
VERT(CL): 0.004	F	999	180
HORZ(LL): 0.001	F	-	-
HORZ(TL): 0.002	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.187
Max BC CSI: 0.102
Max Web CSI: 0.072

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	391	/-	/-	/278	/59	/95
E	258	/-	/-	/141	/57	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = - 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
:Lt Wedge 2x4 SP #3:

Hangers / Ties

(J) Hanger Support Required, by others

Wind

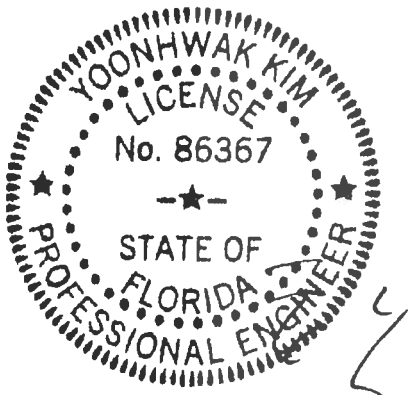
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-10-14.



#0-278
08/15/2019

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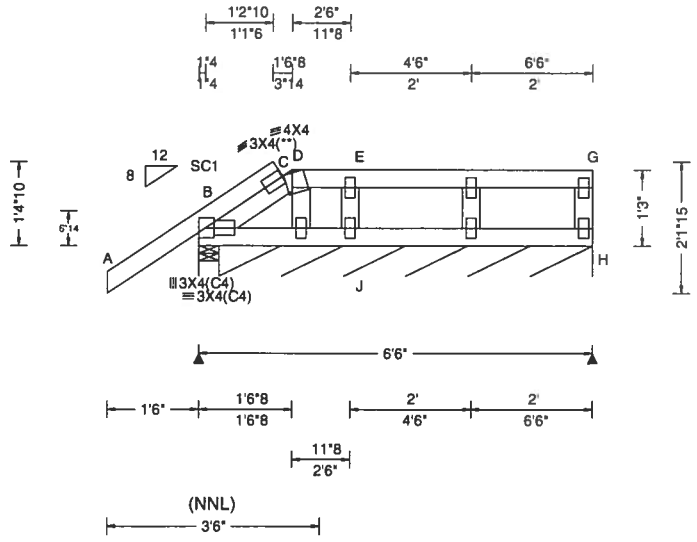
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636603 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** H03	Cust: R R215 JRef:1WNO2150007 T4 / DrwNo: 227.19.1545.56438 YK / FV 08/15/2019



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: 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): -0.002	K	999	240
VERT(CL): 0.002	K	951	180
HORZ(LL): 0.001	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.332
Max BC CSI: 0.117
Max Web CSI: 0.073

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	373	/-	/-	/291	/308	/200
H*	87	/-	/-	/41	/61	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = 74.0 Min Req = -
Bearings B & B are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	428	-474

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

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 1-4-10.

YOONHWAN KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

#0-278
08/15/2019

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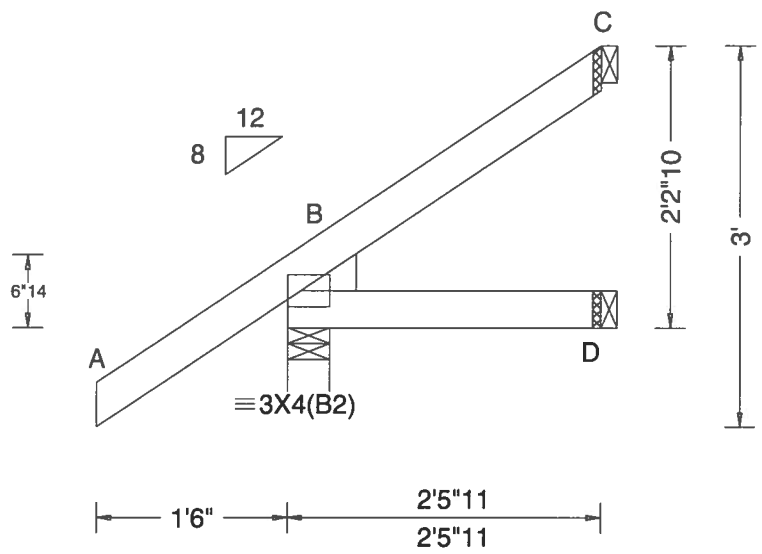
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636563 / JACK FROM: CDM	Ply: 1 Qty: 7	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** J01	Cust: R R215 JRef: 1WNO2150007 T16 / DrwNo: 227.19.1545.56672 YK / FV 08/15/2019



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: 0.045
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	244	/-	/-	/189	/33	/75
D	40	/-	/-	/34	/4	/-
C	51	/-	/-	/26	/25	/-

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

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Wedge 2x4 SP #3:

Wind

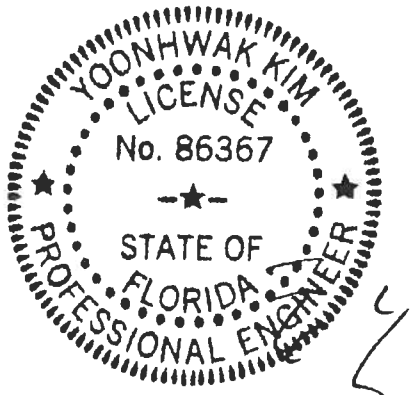
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



#0-278
08/15/2019

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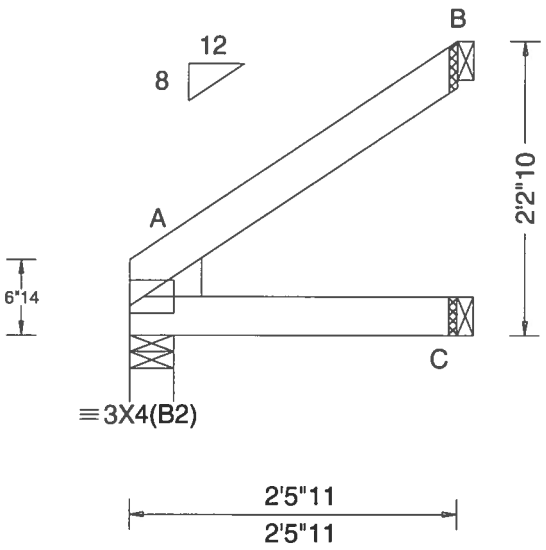
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636607 / JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** J011	Cust: R R215 JRef: 1WNO2150007 T18 / DrwNo: 227.19.1545.56533 YK / FV 08/15/2019



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.001	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.078
Max BC CSI: 0.072
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

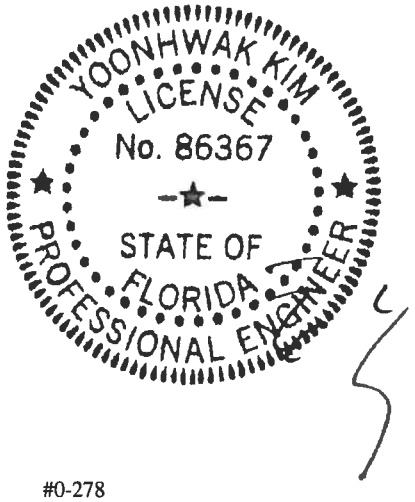
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	106	/-	/-	/68	/-	/46
C	47	/-	/-	/36	/4	/-
B	68	/-	/-	/42	/31	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 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
:Lt Wedge 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 2-2-10.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



#0-278
08/15/2019

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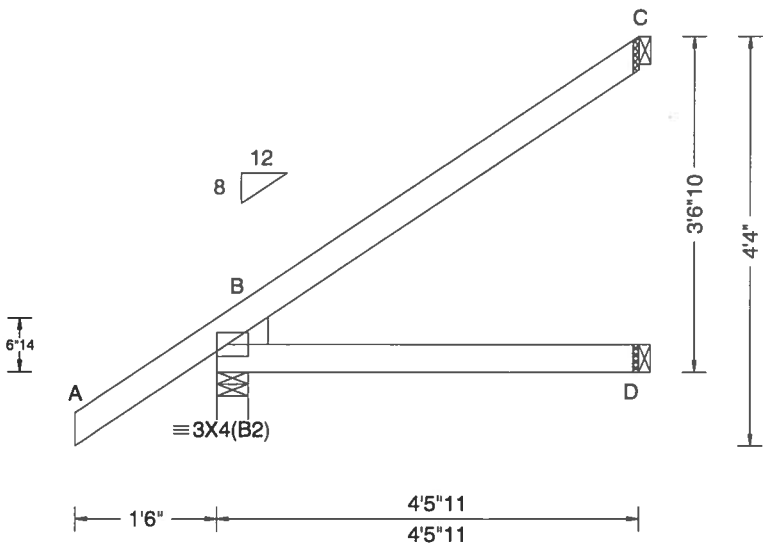
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636574 / JACK FROM: CDM	Ply: 1 Qty: 7	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** J02	Cust: R R215 JRef: 1WNO2150007 T15 / DrwNo: 227.19.1545.56079 YK / FV 08/15/2019



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): 0.005	D	-	-
HORZ(TL): 0.010	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.255
Max BC CSI: 0.205
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	312	/-	/-	/230	/28	/113
D	81	/-	/-	/58	/2	/-
C	117	/-	/-	/68	/53	/-

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

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Wedge 2x4 SP #3:

Wind

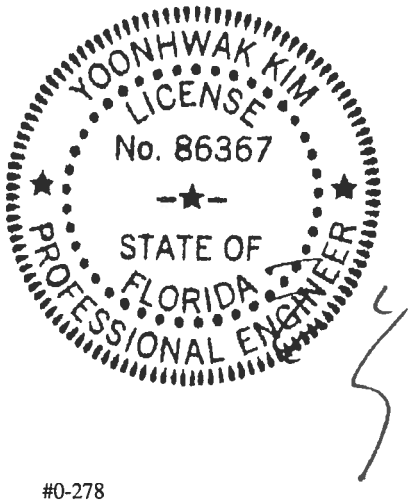
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-6-10.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



#0-278
08/15/2019

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

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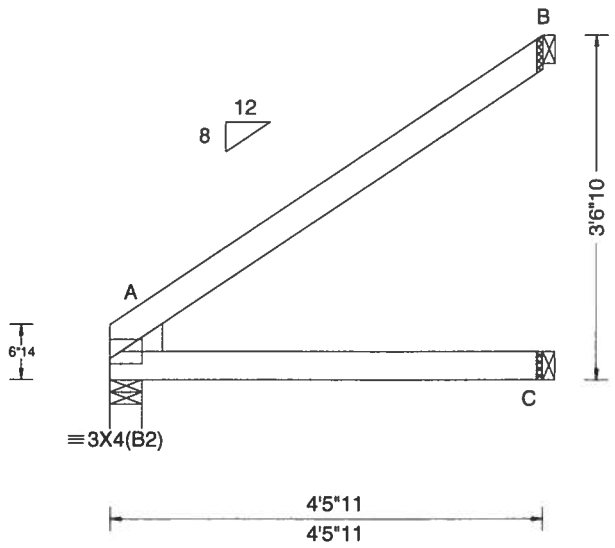
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

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

SEQN: 636605 / JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** J021	Cust: R R215 JRef: 1WNO2150007 T14 / DrwNo: 227.19.1545.56235 YK / FV 08/15/2019



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): 0.007 C - -
HORZ(TL): 0.016 C - -
Creep Factor: 2.0
Max TC CSI: 0.297
Max BC CSI: 0.226
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	190	/-	/-	/124	/-	/84
C	85	/-	/-	/64	/5	/-
B	127	/-	/-	/77	/56	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 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
:Lt Wedge 2x4 SP #3:

Wind

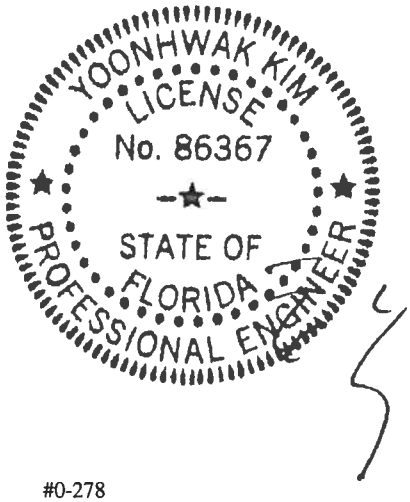
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-6-10.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



#0-278
08/15/2019

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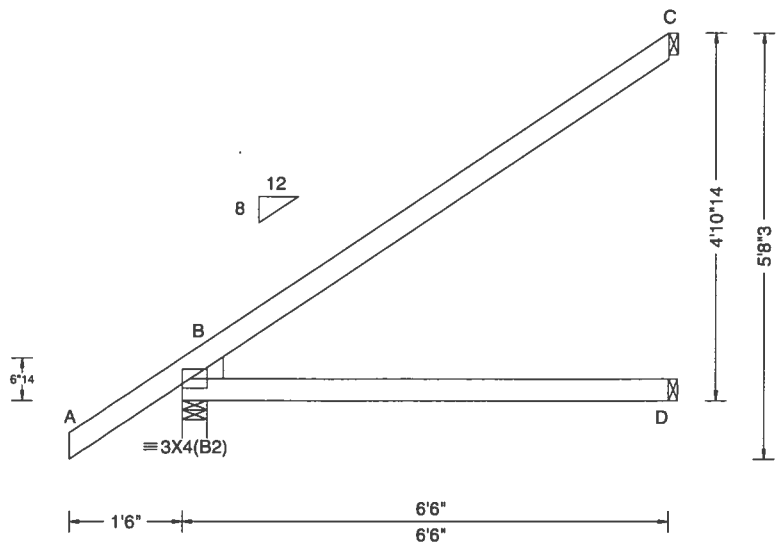
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636576 / EJAC FROM: CDM	Ply: 1 Qty: 29	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** J03	Cust: R R215 JRef: 1WNO2150007 T22 / DrwNo: 227.19.1545.56033 YK / FV 08/15/2019



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): NA
VERT(CL): NA
HORZ(LL): 0.020 D - -
HORZ(TL): 0.040 D - -
Creep Factor: 2.0
Max TC CSI: 0.635
Max BC CSI: 0.460
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	391	/-	/-	/281	/27	/152
D	122	/-	/-	/87	/4	/-
C	179	/-	/-	/106	/80	/-

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

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Wedge 2x4 SP #3:

Wind

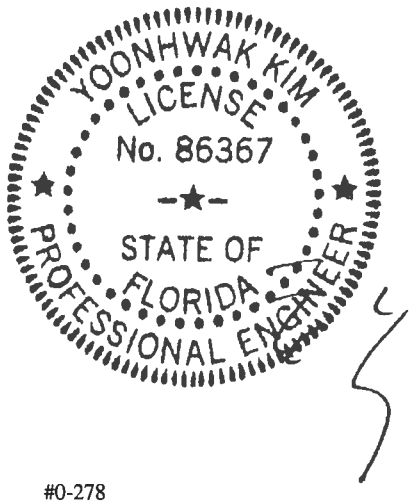
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-10-14.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



#0-278
08/15/2019

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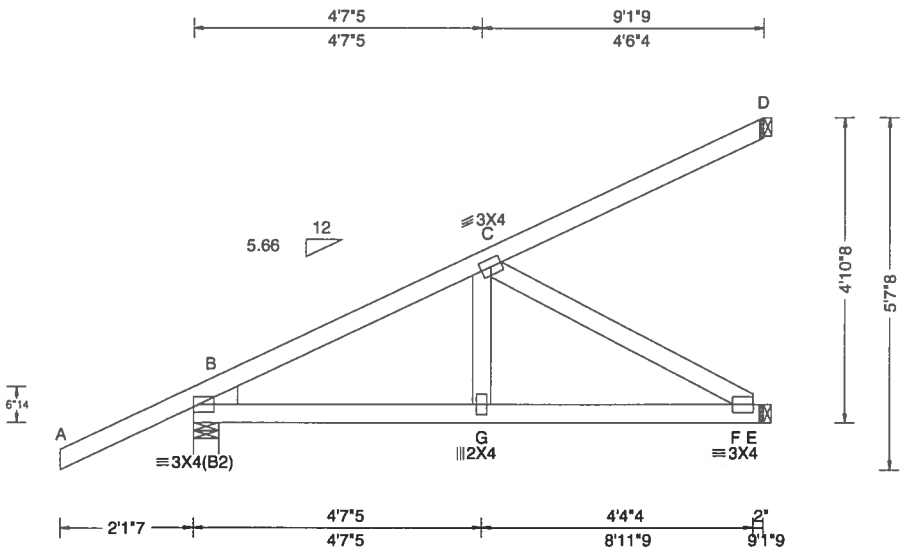
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636609 / HIP_ FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** JH1	Cust: R R215 JRef: 1WNO2150007 T17 / DrwNo: 227.19.1545.56704 YK / FV 08/15/2019



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): 0.012	G	999	240
VERT(CL): 0.026	G	999	180
HORZ(LL): 0.004	F	-	-
HORZ(TL): 0.008	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.488
Max BC CSI: 0.505
Max Web CSI: 0.266

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	381	/-	/-	/-	/58	/-
E	302	/-	/-	/-	/49	/-
D	66	/-	/-	/-	/24	/-

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	98	-520

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	463	-86	G - F	456	-87

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	101	-527

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3:

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

TC: From	0 plf at	-2.12 to	62 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.13
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	3.50
BC: From	2 plf at	3.50 to	2 plf at	9.13

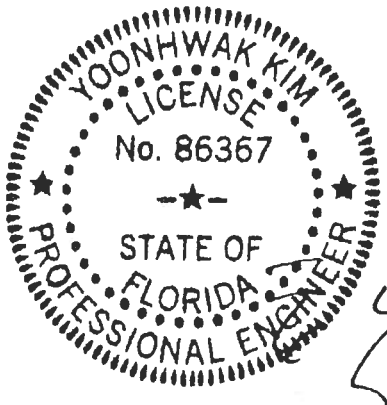
TC: 102 lb Conc. Load at 3.50
TC: 235 lb Conc. Load at 6.33
BC: 79 lb Conc. Load at 3.50
BC: 163 lb Conc. Load at 6.33

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-10-8.

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



#0-278
08/15/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
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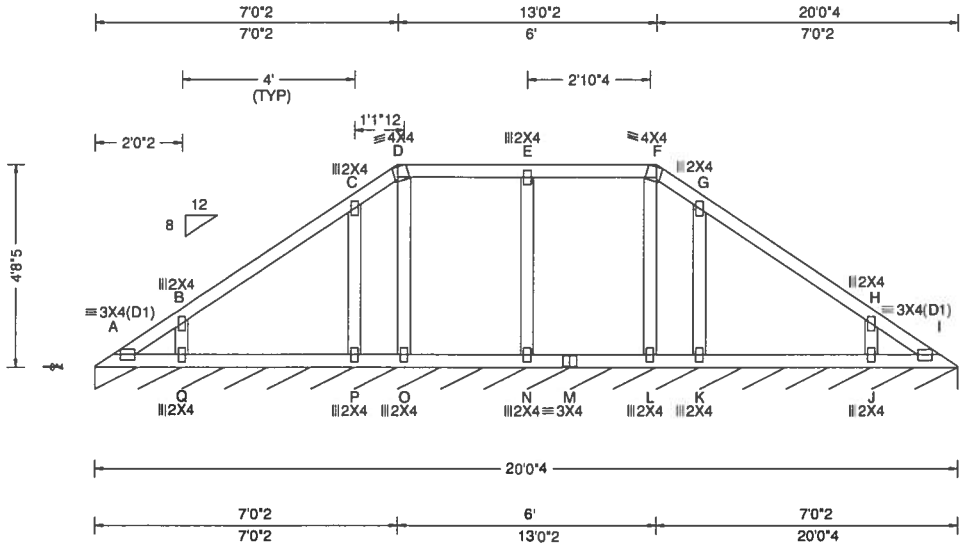
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645371 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V01	Cust: R 215 JRef: 1WNO2150007 T10 DrwNo: 227.19.1552.31647 / YK 08/15/2019



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

Creep Factor: 2.0
Max TC CSI: 0.142
Max BC CSI: 0.097
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
I*	83	/-	/-	/43	/13	/6

Wind reactions based on MWFRS
I Brg Width = 240 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 4-8-5.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

#0-278
08/15/2019

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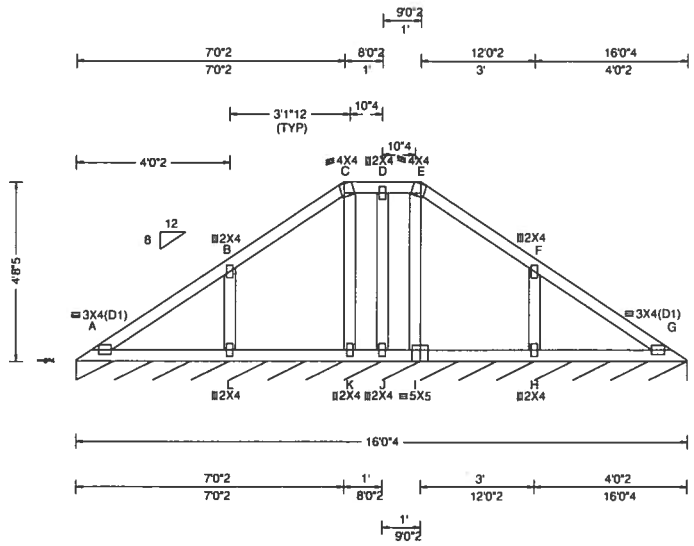
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645373 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V02		Cust: R 215 JRef: 1WNO2150007 T21 DrwNo: 227.19.1552.33200 / YK 08/15/2019



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): 0.005 L 999 240 VERT(CL): 0.011 L 999 180 HORZ(LL): 0.002 L - - HORZ(TL): 0.005 L - - Creep Factor: 2.0 Max TC CSI: 0.232 Max BC CSI: 0.129 Max Web CSI: 0.055 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 = 192 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

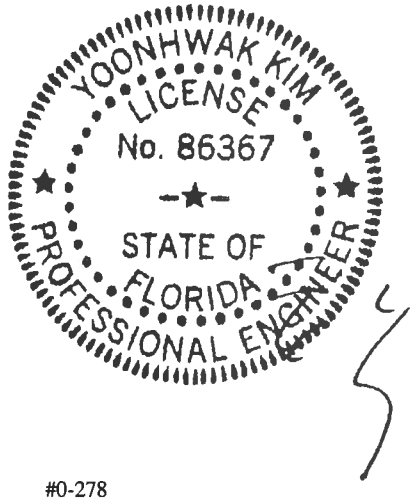
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



#0-278
08/15/2019

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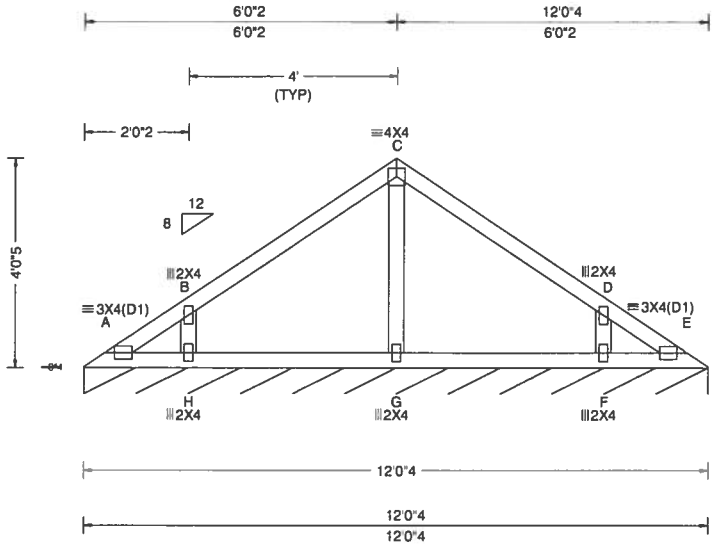
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645360 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V03		Cust: R 215 JRef: 1WNO2150007 T23 DrwNo: 227.19.1552.34723 / YK 08/15/2019



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: 15.38 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): 0.001 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: 0.119 Max Web CSI: 0.052 VIEW Ver: 18.02.01B.0321.08	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /43 /12 /8 Wind reactions based on MWFRS E Brg Width = 144 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

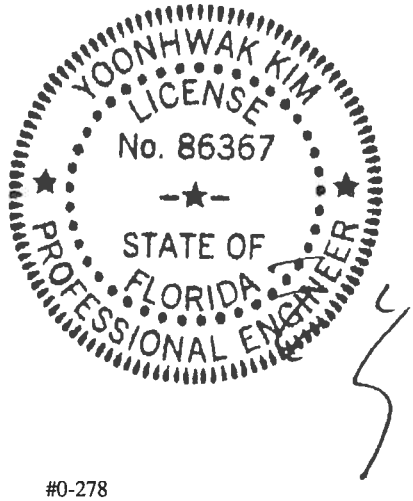
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-0-5.



#0-278
08/15/2019

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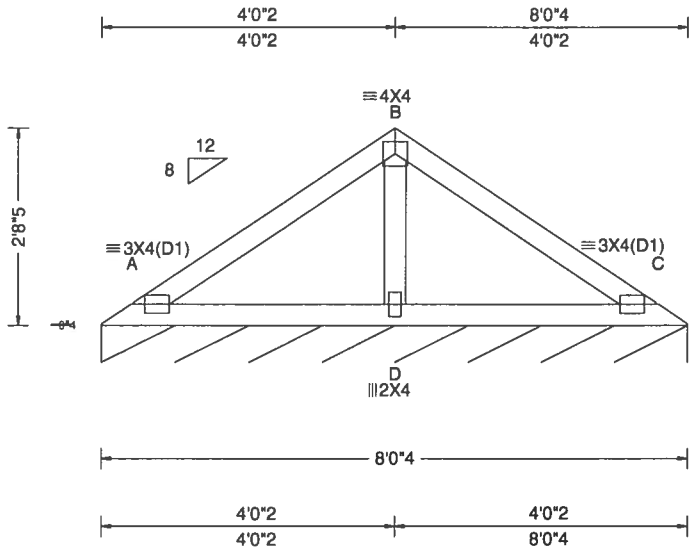
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645361 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V04		Cust: R 215 JRef: 1WNO2150007 T30 DrwNo: 227.19.1552.36207 / YK 08/15/2019



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: 16.05 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): 0.006	D	999	240
VERT(CL): 0.013	D	999	180
HORZ(LL): -0.003	D	-	-
HORZ(TL): 0.007	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.222
Max BC CSI: 0.177
Max Web CSI: 0.078

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 = 96.3 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

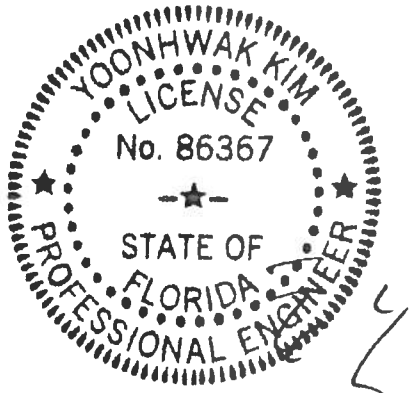
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	164	-383

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 2-8-5.



#0-278
08/15/2019

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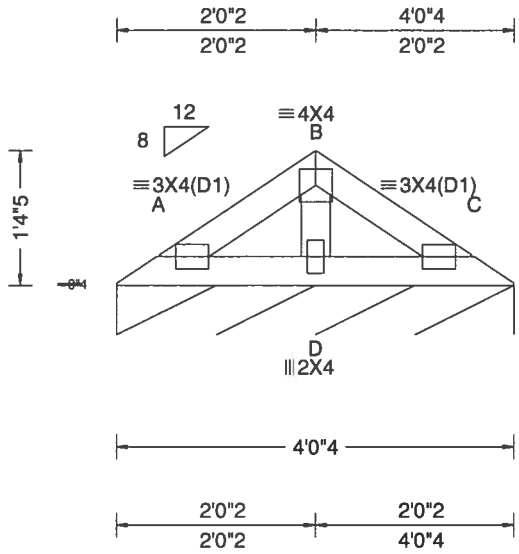
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645362 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V05		Cust: R 215 JRef: 1WNO2150007 T31 DrwNo: 227.19.1552.37513 / YK 08/15/2019



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: 16.71 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): 0.001	D	999	240
VERT(CL): 0.001	D	999	180
HORZ(LL): -0.000	D	-	-
HORZ(TL): 0.001	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.043
Max BC CSI: 0.030
Max Web CSI: 0.024

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	80	/-	/-	/39	/10	/7

Wind reactions based on MWFRS
C Brg Width = 48.3 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

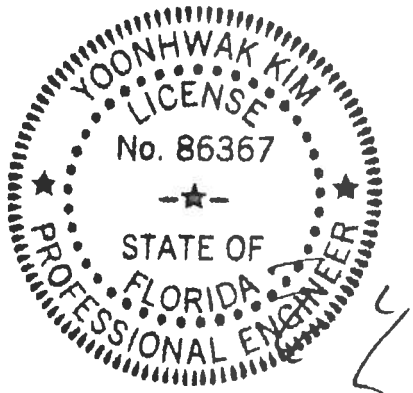
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-4-5.



#0-278
08/15/2019

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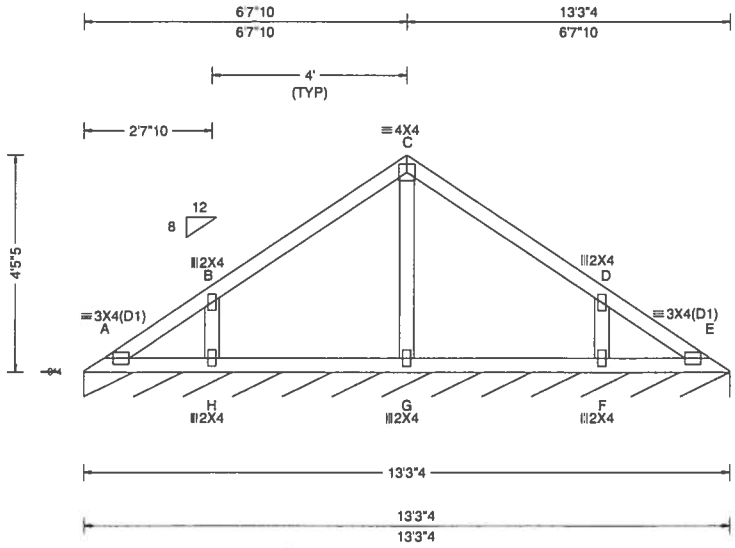
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645363 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V06		Cust: R 215 JRef: 1WNO2150007 T32 DrwNo: 227.19.1552.39007 / YK 08/15/2019



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): 0.001	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: 0.147
Max Web CSI: 0.067

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 = 159 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 4-5-5.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

#0-278
08/15/2019

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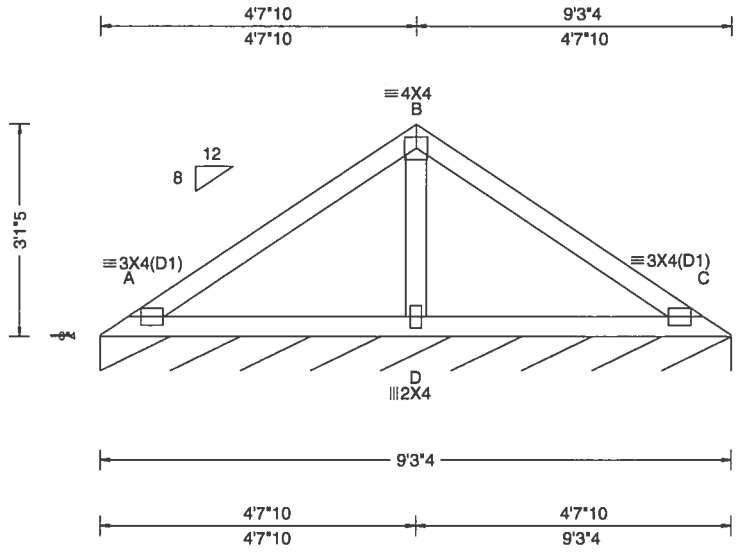
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645364 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V07	Cust: R 215 JRef: 1WNO2150007 T37 DrwNo: 227.19.1552.40290 / YK 08/15/2019



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): 0.010	D	999	240
VERT(CL): 0.020	D	999	180
HORZ(LL): -0.005	D	-	-
HORZ(TL): 0.010	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.304
Max BC CSI: 0.245
Max Web CSI: 0.108

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

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

Wind reactions based on MWFRS
C Brg Width = 111 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	196	-483

Lumber

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

Wind

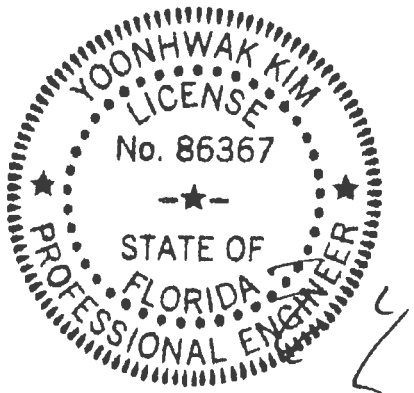
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-1-5.



#0-278
08/15/2019

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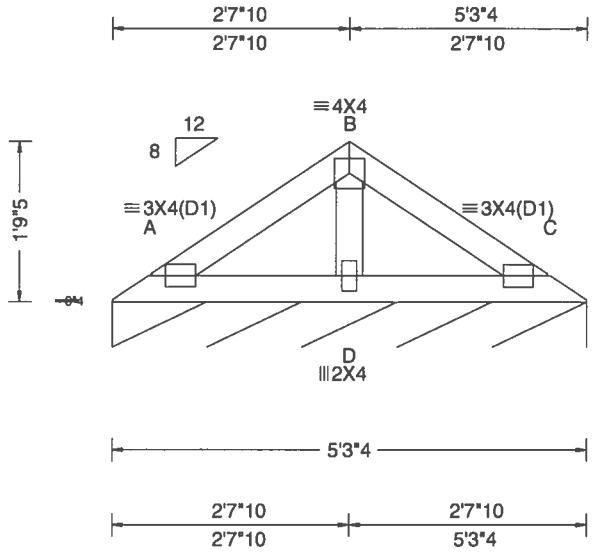
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645365 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V08		Cust: R 215 JRef: 1WNO2150007 T38 DrwNo: 227.19.1552.41953 / YK 08/15/2019



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): 0.002	D	999	240
VERT(CL): 0.004	D	999	180
HORZ(LL): -0.001	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.081
Max BC CSI: 0.064
Max Web CSI: 0.037

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 = 63.3 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

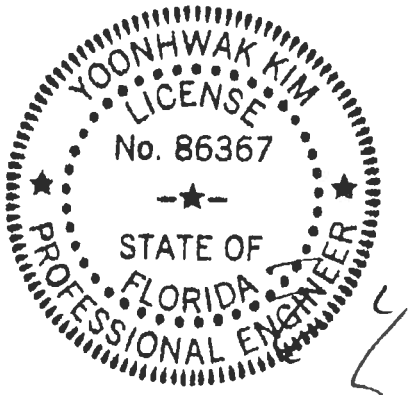
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-9-5.



#0-278
08/15/2019

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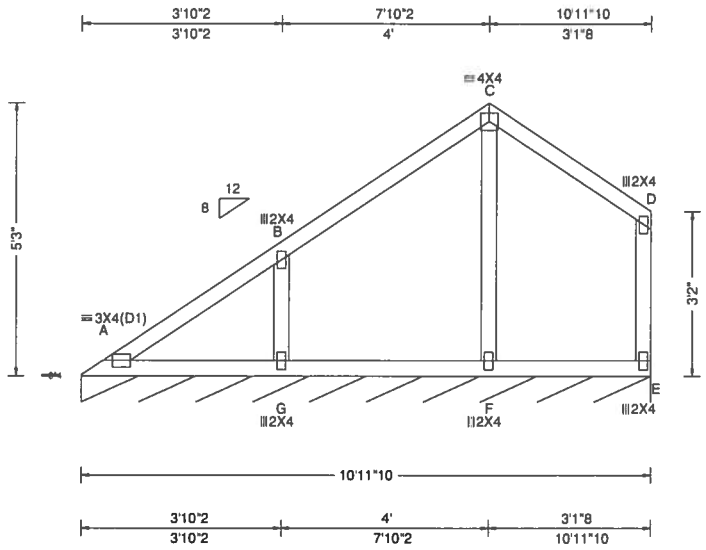
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645366 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V09		Cust: R 215 JRef: 1WNO2150007 T45 DrwNo: 227.19.1552.43790 / YK 08/15/2019



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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): 0.004	G	999	240
VERT(CL): 0.008	G	999	180
HORZ(LL): -0.002	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.274
Max BC CSI: 0.144
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
E*	83	/-	/-	/50	/12	/10

Wind reactions based on MWFRS
E Brg Width = 131 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.

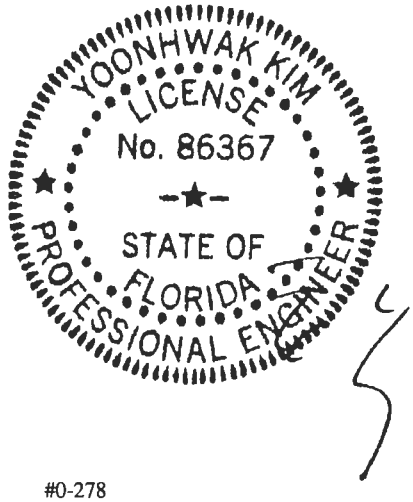
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-3-0.



#0-278
08/15/2019

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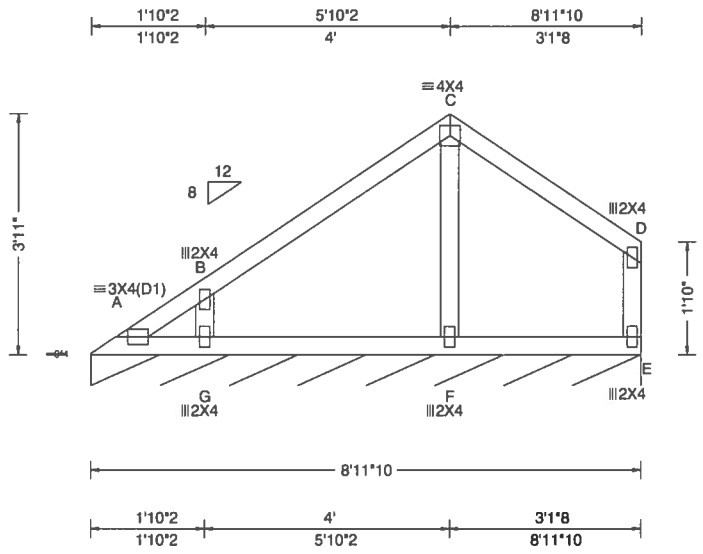
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645367 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V10		Cust: R 215 JRef: 1WNO2150007 T44 DrwNo: 227.19.1552.45460 / YK 08/15/2019



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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): 0.001	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.213
Max BC CSI: 0.107
Max Web CSI: 0.056

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

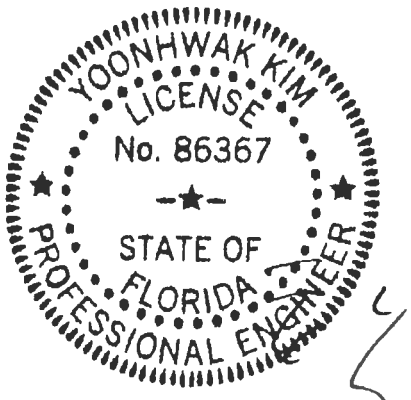
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/48	/12	/10

Wind reactions based on MWFRS
E Brg Width = 107 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 3-11-0.



#0-278
08/15/2019

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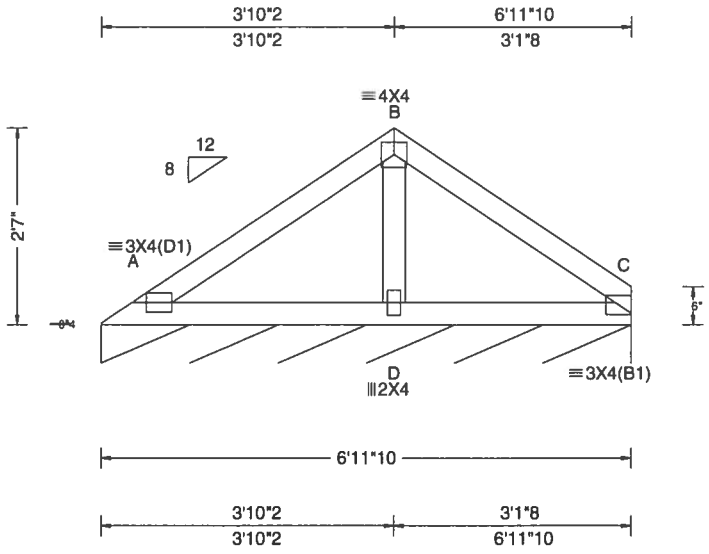
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645368 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V11		Cust: R 215 JRef: 1WNO2150007 T43 DrwNo: 227.19.1552.47170 / YK 08/15/2019



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

Creep Factor: 2.0
Max TC CSI: 0.169
Max BC CSI: 0.144
Max Web CSI: 0.039

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	83	/-	/-	/45	/11	/9

Wind reactions based on MWFRS
C Brg Width = 83.6 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 2-7-0.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

#0-278
08/15/2019

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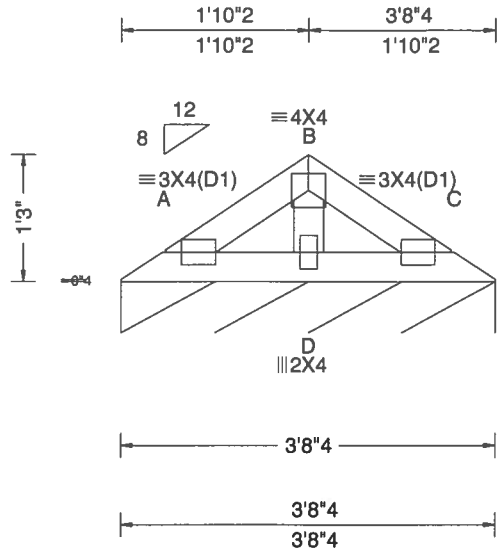
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 645369 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3453 /LOT 2, JEWEL LAKE /S&S CONSTRUCTION **Truss Label:** V12		Cust: R 215 JRef: 1WNO2150007 T42 DrwNo: 227.19.1553.02740 / YK 08/15/2019



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

Creep Factor: 2.0
Max TC CSI: 0.034
Max BC CSI: 0.025
Max Web CSI: 0.021

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	79	/-	/-	/38	/8	/7

Wind reactions based on MWFRS
C Brg Width = 44.2 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

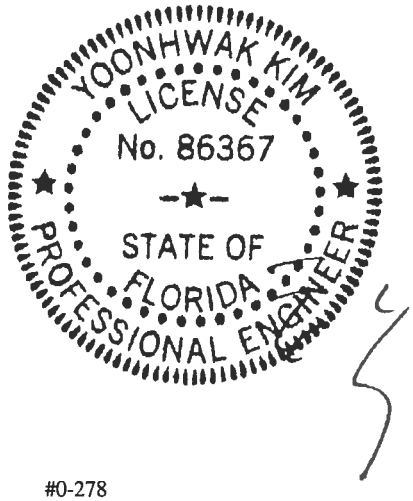
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-3-0.



#0-278
08/15/2019

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

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard

Douglas Fir-Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

Group B:

Hem-Fir: #1 & Btr, #1

Douglas Fir-Larch	Southern Pine***
#1	#1
#2	#2

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

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

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

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

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

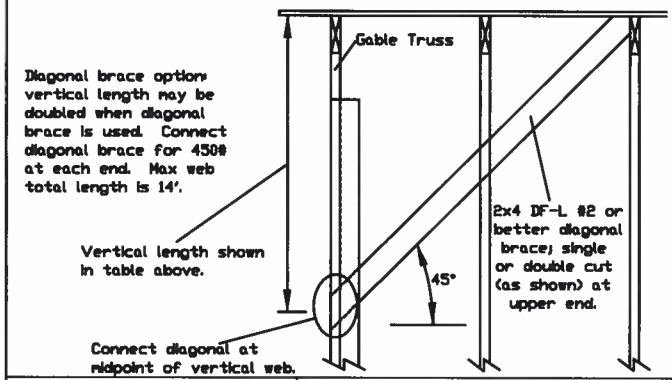
'L' bracing must be a minimum of 80% of web member length.

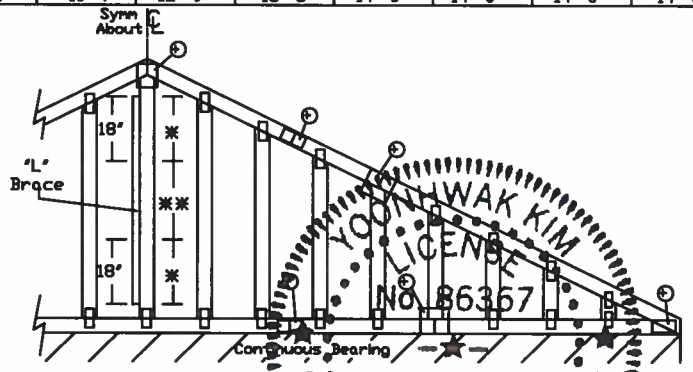
Gable Vertical Plate Sizes

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

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

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





Refer to chart above for max gable vertical length.

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ALPINE AN ITW COMPANY

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

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB14015
DATE	10/15/14
DRWG	A14015ENC101014

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.

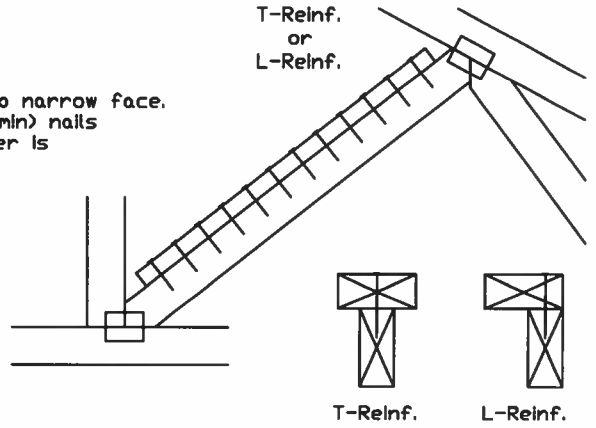
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4 ⊕
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6 ⊕

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.

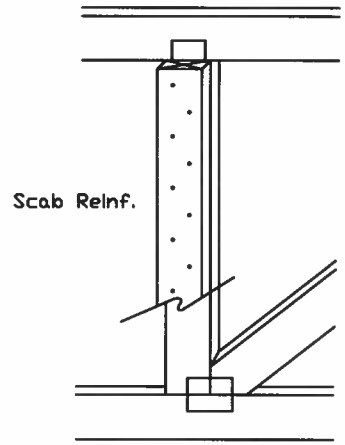
T-Reinforcement or L-Reinforcement:

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.



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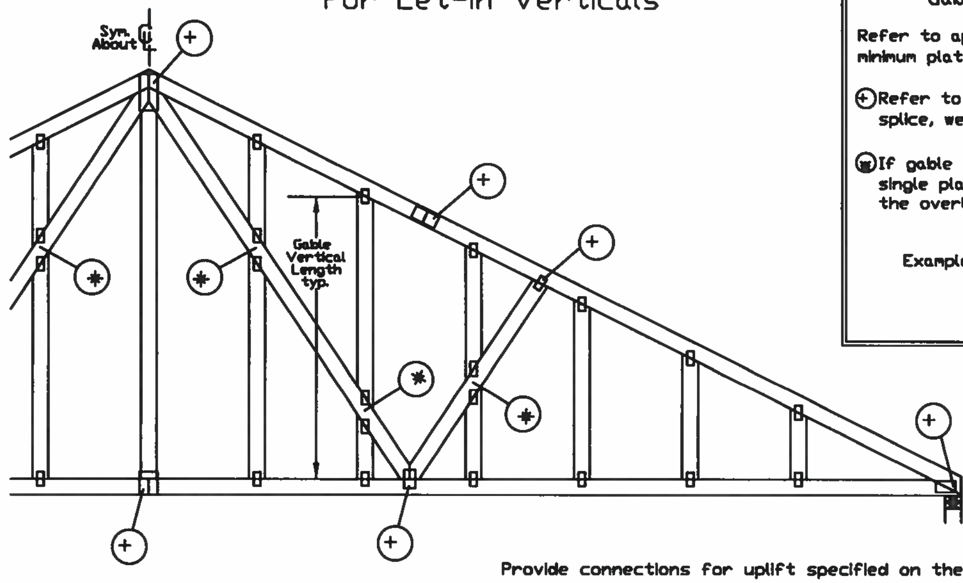
BC LL		PSF
TC DL		PSF
BC DL		PSF
BC LL		PSF
TOT. LD.		PSF
DUR. FAC.		
SPACING		

REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLBSUB0119

08/15/2019
#0-278

Gable Detail

For Let-In Verticals



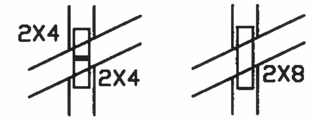
Gable Truss Plate Sizes

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

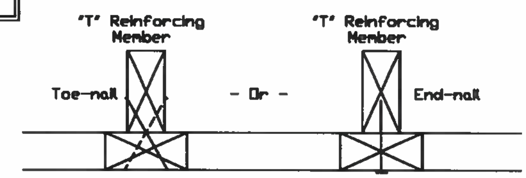
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

✱ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



"T" Reinforcement Attachment Detail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

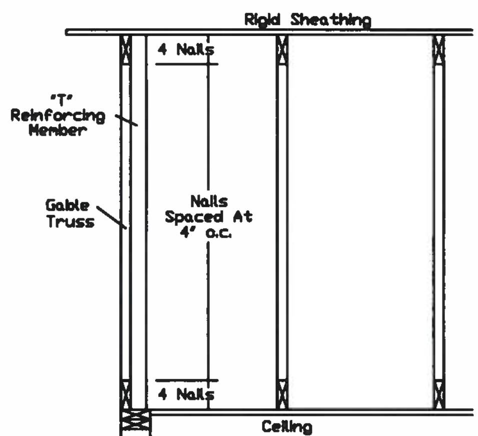
Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'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"



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, S16030END100118,
S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.

KIM
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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08/15/2019

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

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

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.

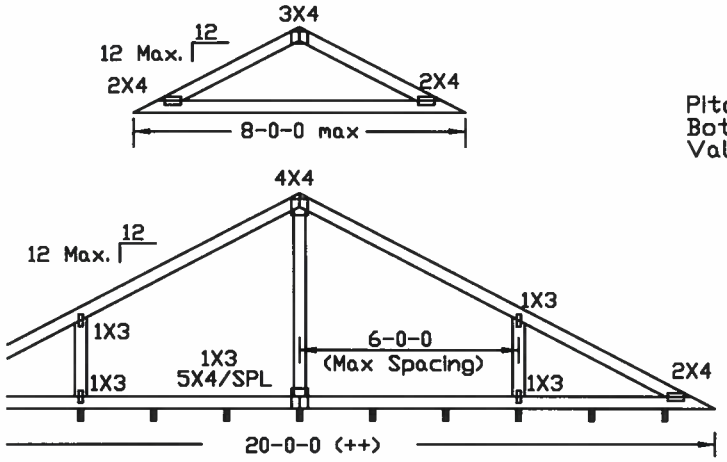
All plates shown are ITW BCG Wave Plates.

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.

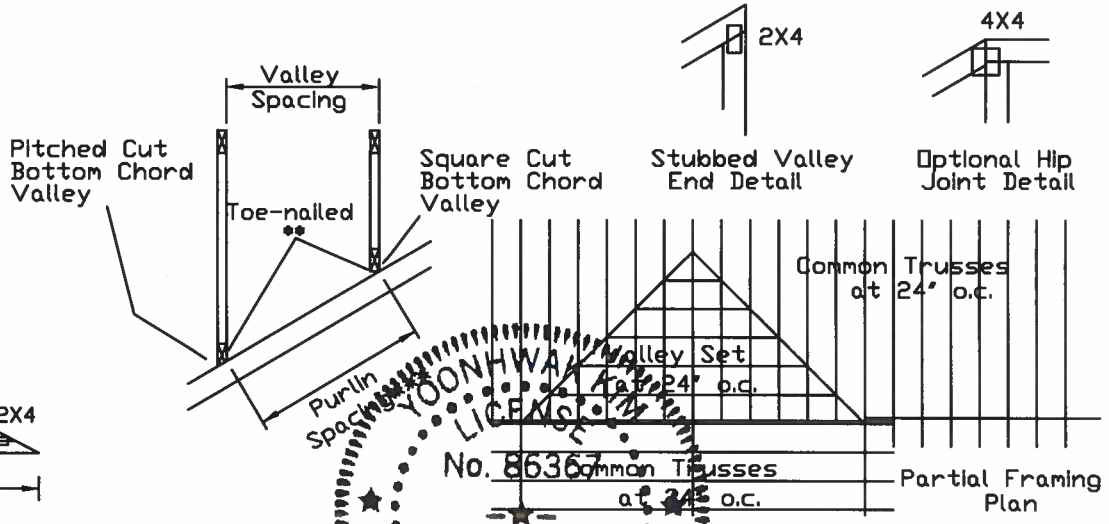
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed 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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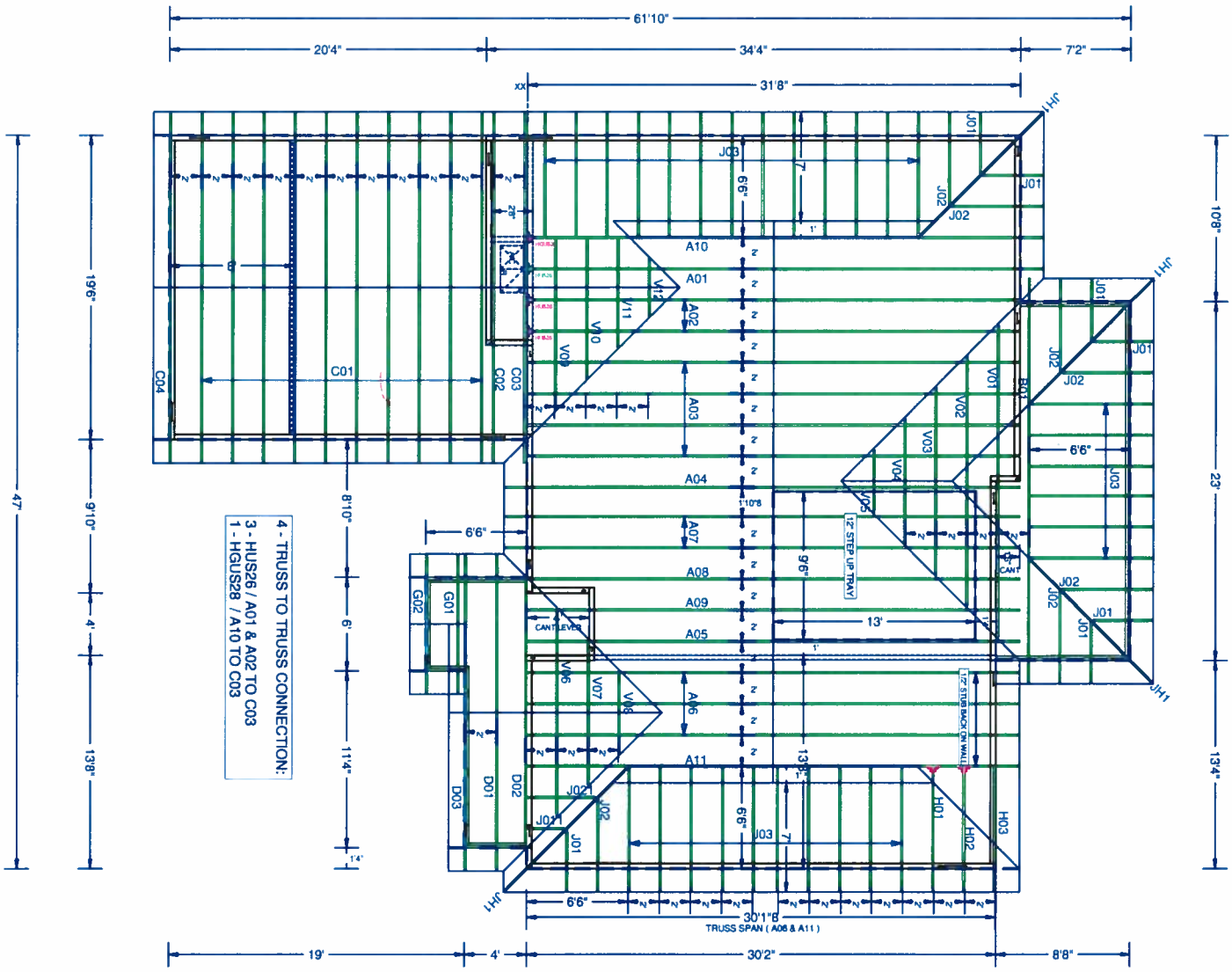
TC LL	30	30	40	PSF
TC DL	20	15	7	PSF
BC DL	10	10	10	PSF
BC LL	0	0	0	PSF
TOT. L.D.	60	55	57	PSF
DUR.FAC.	1.25/1.33	1.15	1.15	
SPACING		24.0"		

REF	VALLEY DETAIL
DATE	10/01/2014
DRWG	VAL160101014

08/15/2019
#0-278



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

ROOF PITCH:8/12
CLG PITCH: 12" STEP TRAY
AT GREAT ROOM
OVERHANG:18" Plumb 12" GABLES
LOADING: 40 PSF
WIND LOAD:130 MPH
EXPOSURE:"C"
EXT WALLS:2 X 4 X 9
DATE:8/15/19

PAGE NO:	JOB NO:		
1 OF 1	19-3453	Job Name: LOT 2, JEWEL LAKE Customer: S&S CONSTRUCTION Designer: Bob Glover ADDRESS: LOT 2, JEWEL LAKE SALESMAN: HOUSE : <Not Found>	JOB #: 19-3453

HOWLAND

Residential System Sizing Calculation

Summary

Project Title:
Lot 2 - Jewel Lake

Lake City, FL 32025

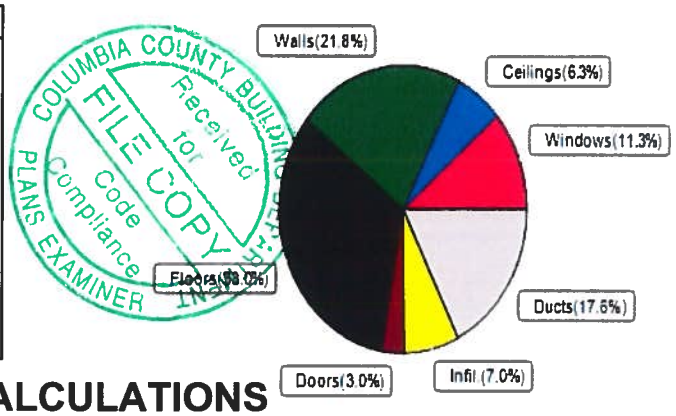
8/5/2019

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)	107.0	26198	Sensible (SHR = 0.70)	92.5	13911
Heat Pump + Auxiliary(0.0kW)	107.0	26198	Latent	182.7	5962
			Total (Electric Heat Pump)	108.6	19873

WINTER CALCULATIONS

Winter Heating Load (for 1453 sqft)

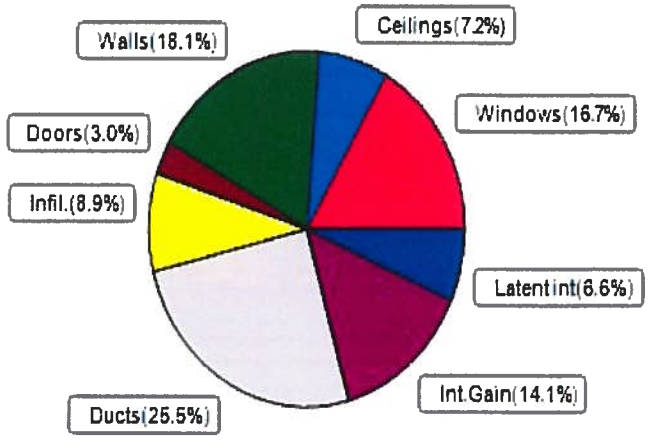
Load component			Load	
Window total	192	sqft	2765	Btuh
Wall total	1501	sqft	5327	Btuh
Door total	40	sqft	736	Btuh
Ceiling total	1526	sqft	1549	Btuh
Floor total	1453	sqft	8071	Btuh
Infiltration	39	cfm	1722	Btuh
Duct loss			4321	Btuh
Subtotal			**24491**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS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



Manual J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 8/6/2019

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Lot 2 - Jewel Lake
Building Type: User

Lake City, FL 32025

8/5/2019

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

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Lot 2 - Jewel Lake
Building Type: User

Lake City, FL 32025

8/5/2019

Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural		0.18	13077	1.00	39.3	1722 Btuh
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	24491 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	24491 Btuh

EQUIPMENT

1. Electric Heat Pump	#	26198 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)

Prepared by ACCA MANUAL J

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Lot 2 - Jewel Lake

Lake City, FL 32025

8/5/2019

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 2 - Jewel Lake

Lake City, FL 32025

8/5/2019

Infiltration	Type	Average ACH	Volume(cuft)		Wall Ratio		CFM=	Load	
	Natural	0.14	13077		1		29.5	613	Btuh
Internal gain		Occupants	Btuh/occupant				Appliance	Load	
		6	X	230	+		1200	2580	Btuh
						Sensible Envelope Load:		11423	Btuh
Duct load	Averagesealed, 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 2 - Jewel Lake

Lake City, FL 32025

8/5/2019

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**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
	Total sensible gain	**15039 Btuh**
	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	#	19873 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 2 - 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	19.9	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	26.2	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: 44.62

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: 8/16/2019

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 1868 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).

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Lot 2 - Jewel Lake	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1453	Lot #	18
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	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.2	26.2 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 14	19.87 kBtu/hr	600 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* = 98

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 19.9
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 26.2
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: 18

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 Statues*.or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *code official.* Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope.*

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

Testing Company

Company Name: _____ Phone: _____

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

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____