Columbia County New Building Permit Application

For Office Use Only Application # 43959/44055 Date Received 11/4 By MG Permit # 38910/38911

Zoning Official LW/LH Date 11-6-19 Flood Zone X Land Use RLD Zoning PRD

FEMA Map # _____ Elevation _____ MFE 124' River NIA Plans Examiner JC Date 11-15-19

Comments CITY See Comment Notes

☑ NOC ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ ~~Well letter~~ ☑ 911 Sheet ☐ Parent Parcel # _____

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

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

Septic Permit No. CITY OR City Water ☑ Fax _____

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

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

Owners Name Gary Sorensen Phone 308.440.0814

911 Address 126 SW White Ash Glen, 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 N/A

Bonding Co. Name & Address N/A

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

Mortgage Lenders Name & Address N/A

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

Property ID Number 04-4S-16-02439-117 Estimated Construction Cost $125,952

Subdivision Name The Reserve at Jewel Lake Lot 17 Block ____ Unit ____ Phase ____

Driving Directions from a Major Road 90W to Left on Pinemount Road - Subdivision is on right at Jewel Lake Dr. Turn right onto SW Jewel Lake Drive, take first left onto SW Cypress Way, take first right onto SW White Ash Glen, First lot on left corner.

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 Ft Side 10 Side 10 Rear 10'4 1/2"

Number of Stories ____ Heated Floor Area 1536 sq Ft Total Floor Area 2322 sq Ft Acreage 0.28 acre

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

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
Print Owners Name

Gary Sorensen
Owners Signature

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

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

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

Contractor's Signature

Contractor's License Number CBC1254161
Columbia County Competency Card Number 1428 Exemption needed

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 4th **day of** Nov. **20**19.

Personally known X **or Produced Identification** _____

Jessica R. Murphy
State of Florida Notary Signature (For the Contractor)

SEAL:

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

SUBCONTRACTOR DESIGNATION

APPLICATION/PERMIT # _____ JOB NAME Lot 17 - 04-4S-16-02439-117

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.

ELECTRICAL ☐ CC# 0724	Print Name Lyndon Rainbolt Signature Lyndon Rainbolt Company Name: Rainbolt Tech Services License #: EC13001835 Phone #: 386.755.5079	Need ☐ Lic ☐ Liab ☑ W/C ☐ EX
MECHANICAL/ A/C ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License#: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

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

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME _____

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			Need
ELECTRICAL ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: _____		
	License #: _____	Phone #: _____	
MECHANICAL/	Print Name Chris Williams	Signature [signature]	☑ Lic ☐ Liab ☑ W/C ☐ EX ☐ DE
A/C ☐	Company Name: Chris Williams inc DBA Country comfort		
CC# 0837	License #: CAC1577195	Phone #: 786.752.5841	
PLUMBING/	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
GAS ☐	Company Name: _____		
CC# _____	License #: _____	Phone #: _____	
ROOFING	Print Name Ben Keeler	Signature [signature]	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
1869 ☑	Company Name: Keeler Roofing LLC		
CC# 1330509	License #: CCC1330509	Phone #: 352-514-4930	
SHEET METAL ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name: _____		
CC# _____	License #: _____	Phone #: _____	
FIRE SYSTEM/	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SPRINKLER ☐	Company Name: _____		
CC# _____	License#: _____	Phone #: _____	
SOLAR ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name: _____		
CC# _____	License #: _____	Phone #: _____	
STATE ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SPECIALTY	Company Name: _____		
CC# _____	License #: _____	Phone #: _____	

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

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME _____

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		Need
ELECTRICAL ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☑ CC# 1429	Print Name Daniel R. Mossburg Signature David Mossburg Company Name: Live Oak Plumbing, Inc. License #: CFC1427438 Phone #: 386-362-1767	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License#: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

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

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values
updated: 10/30/2019

Parcel: << 04-4S-16-02439-117 >>

Owner & Property Info

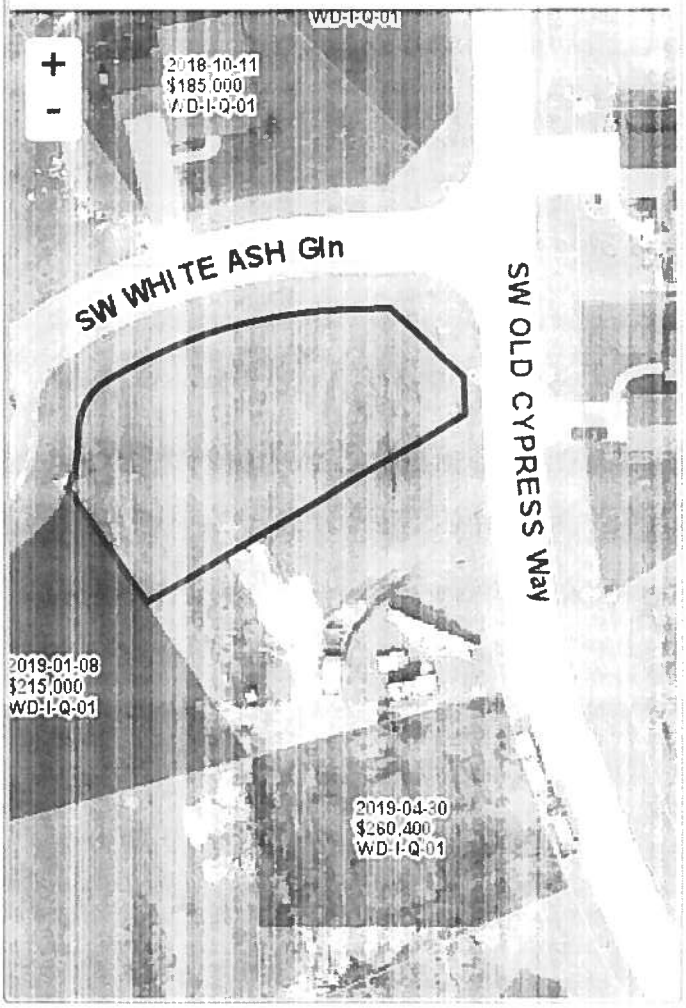
Result: 1 of 1

Owner	SORENSEN GARY 10153 US HIGHWAY 90 W LAKE CITY, FL 32055		
Site	,		
Description*	LOT 17 RESERVE AT JEWEL LAKE PHASE 1 (3RD PLAT).		
Area	0.28 AC	S/T/R	04-4S-16
Use Code**	VACANT (000000)	Tax District	2

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

Aerial Viewer Pictometery Google Maps

2019 2016 2013 2010 2007 2005 ✔ Sales



Property & Assessment Values

2019 Certified Values		2020 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 - (0.280 AC)	1.00/1.00 1.00/1.00	$21,763	$21,763

Search Result: 1 of 1

by: GrizzlyLogic.com

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 [✓] 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
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
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

Notary Public (print name under signature)

My Commission Expires: 8/29/2017

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.

Legend

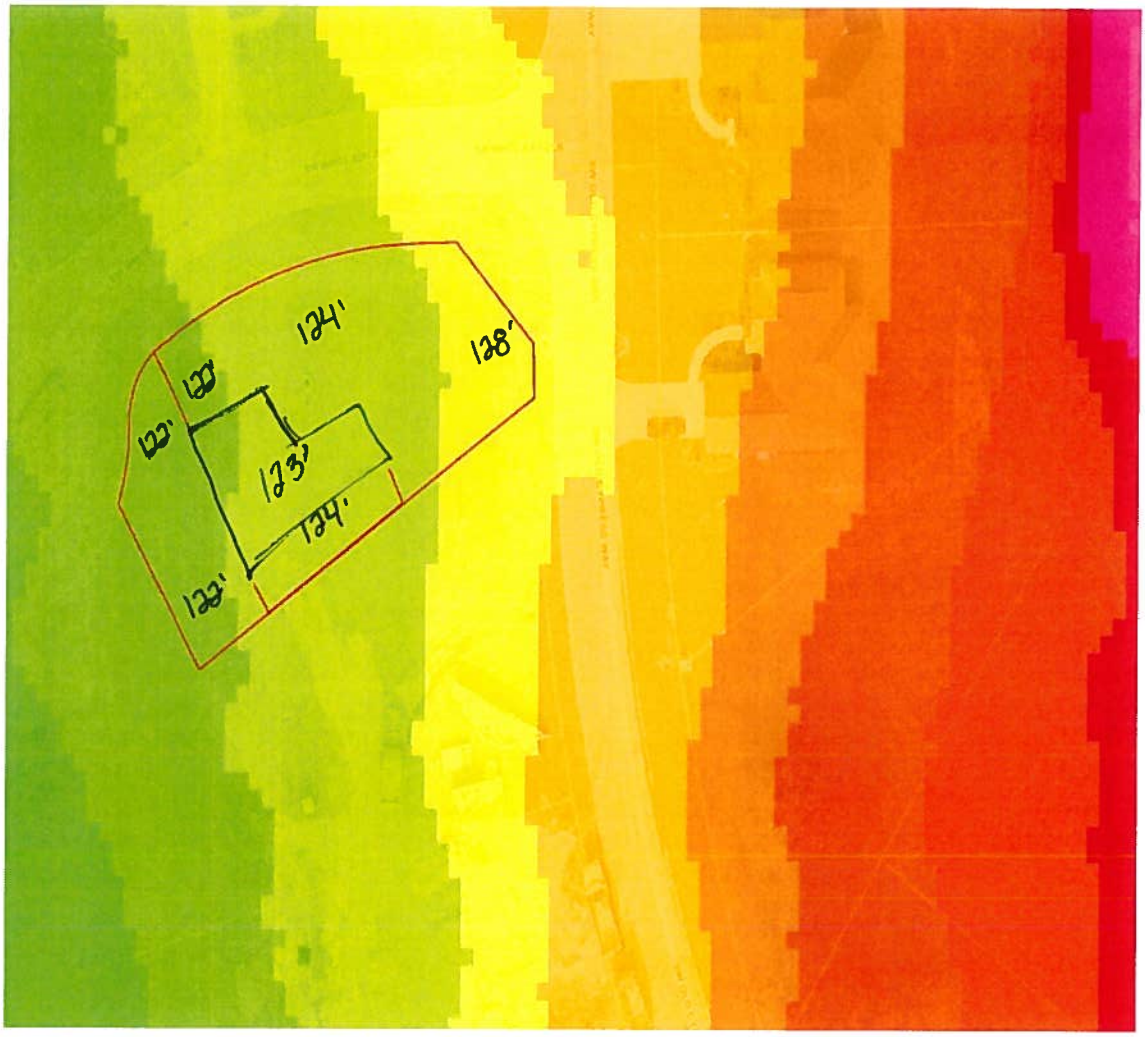
2018Aerials

Parcels

LidarElevations

Columbia County, FLA - Building & Zoning Property Map

Printed: Wed Nov 06 2019 13:55:27 GMT-0500 (Eastern Standard Time)



Parcel Information

Parcel No: 04-4S-16-02439-117

Owner: SORENSEN GARY

Subdivision: RESERVE AT JEWEL LAKE PHASE 1

Lot: 17

Acres: 0.2779367

Deed Acres:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD

Roads

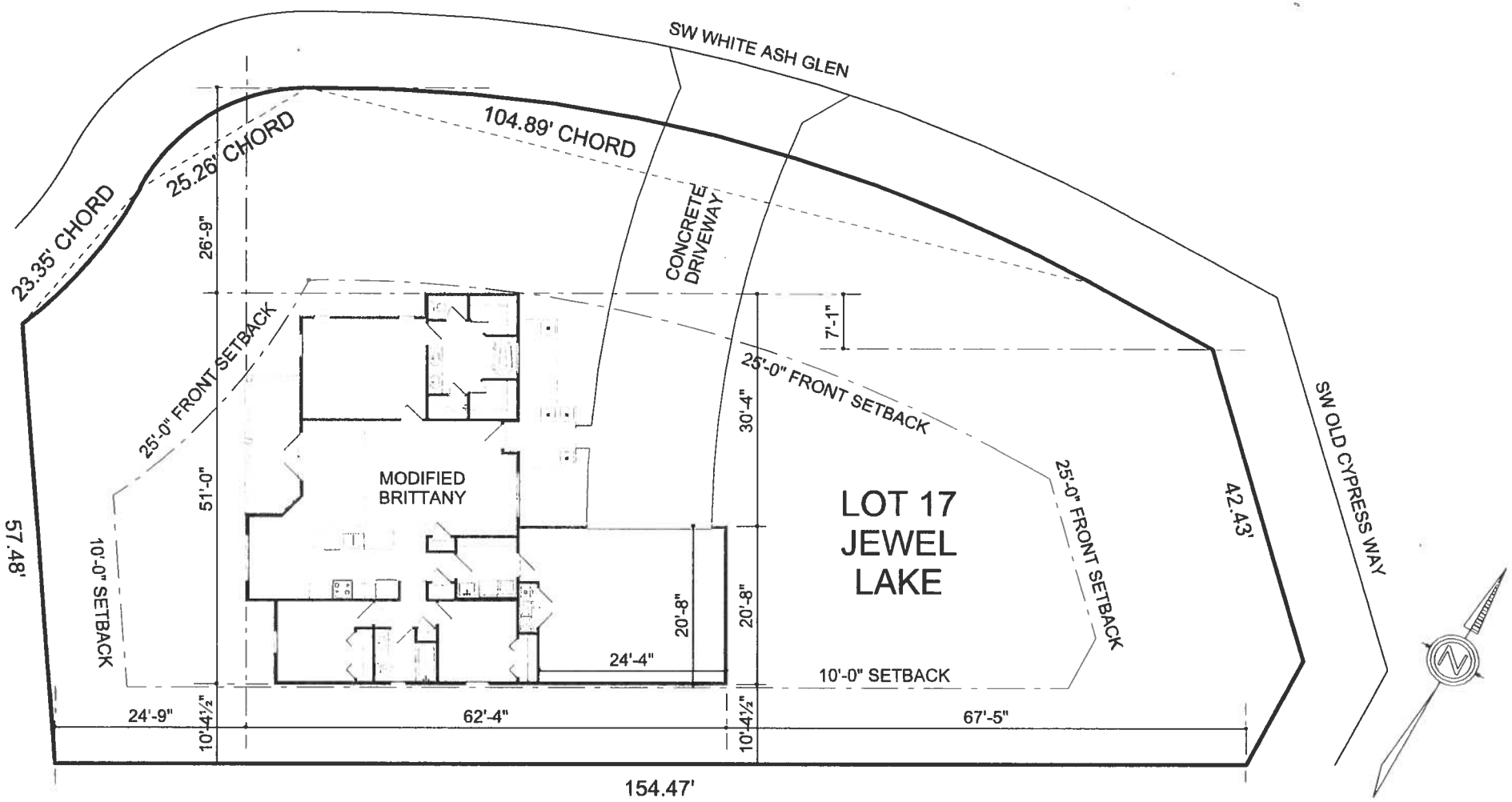
Roads

others

Dirt

Interstate

Main


SW WHITE ASH GLEN
104.89' CHORD
25.26' CHORD
23.35' CHORD
CONCRETE DRIVEWAY
SW OLD CYPRESS WAY
26'-9"
7'-1"
25'-0" FRONT SETBACK
25'-0" FRONT SETBACK
25'-0" FRONT SETBACK
30'-4"
51'-0"
MODIFIED BRITTANY
LOT 17
JEWEL
LAKE
42.43'
57.48'
10'-0" SETBACK
20'-8"
20'-8"
24'-4"
10'-0" SETBACK
24'-9"
62'-4"
67'-5"
10'-4½"
10'-4½"
154.47'

CITY OF LAKE CITY

March 27, 2019

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

RE: Reserve at Jewel Lake Lot 17
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 126 SW White Ash Glen, Parcel 04-4S-16-02439-117.

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

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

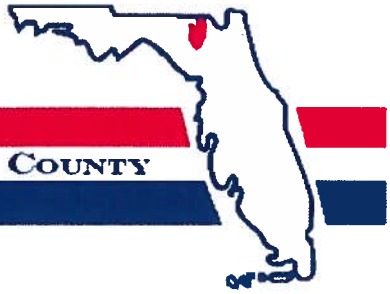
Sincerely,

Shasta M. Pelham
Utility Service Coordinator

Brian Scott
Director of Distribution and Collections

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

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



Address Assignment and Maintenance Document

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

Date/Time Issued:	**3/21/2019 11:24:10 AM**
Address:	**126 SW WHITE ASH Gln**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32024**
Parcel ID	**02439-117**

REMARKS: Address for proposed structure on parcel.

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

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

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT

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

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst: 201912025743 Date: 11/04/2019 Time: 3:01PM
Page 1 of 1 B: 1397 P: 2759, P.DeWitt Cason, Clerk of Court
Columbia, County, By: PT
Deputy Clerk

Tax Parcel Identification Number:

04-4S-16-02439-117

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 17 of the Reserve @ Sewell Lake Phase 2, A PRRD as plat thereof recorded in Plat Book 9 Pg 123 of Public records of Columbia County Florida
   a) Street *(job)* Address: 126 SW White Ash Glen, Lake City, FL, 32024
2. General description of improvements: NEW RESIDENTIAL HOME
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: 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
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 4th day of November, 2019, by:

Kathy McCall as Office 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 R. Murphy

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

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.) 1536 Total (Sq. Ft.) under roof 2322	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

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	Yes
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	
84	Rating of cycle stop valve if used	
	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	
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	
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

[redacted]

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
contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide
products are listed online @ www.floridabuilding.org

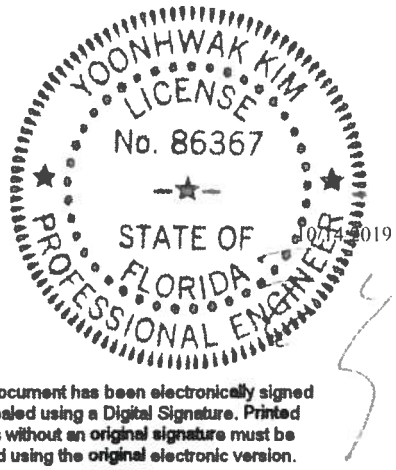
Category/Subcategory	Manufacturer	Product Description	Approval #
1. EXTERIOR DOORS			
A. SWINGING	MASONITE	Ext Doors	FL 6228-R7
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MI Homeproducts	Windows	FL 17670-R1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED	"	mirror	FL 18644
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Siding	FL 13192-R4
B. SOFFITS	ICAVCAN	soffit	FL 16503
C. SHOWERPANS			
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. SINGLE PLY ROOF			
E. OTHER			
Ice & Water Underlayment	GAF	Underlayment	FL 15487-R5
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	Simpson	Connectors	FL 13872-R2
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

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

Contractor OR Agent Signature

Date

NOTES:

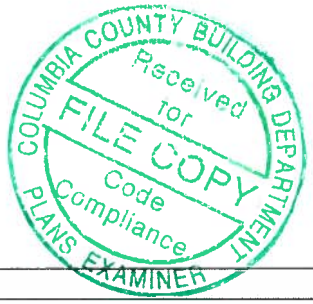


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

ALPINE

COA #0-278

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



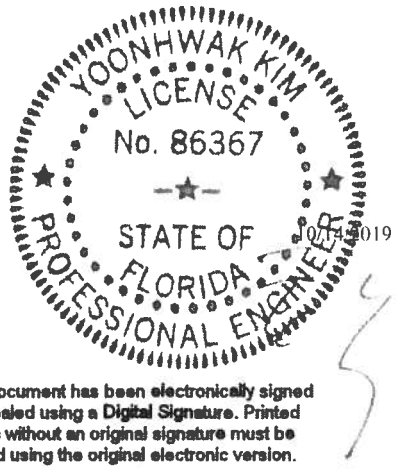
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 19-3616
Job Description: /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	
Address: LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 18.02.01B *JRef #:* 1WPc2150004
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 53 truss drawing(s) and 4 detail(s).

Item	Seal #	Truss
1	287.19.1324.13010	A01
3	287.19.1324.15853	A03
5	287.19.1324.24297	B01
7	287.19.1324.26380	B03
9	287.19.1324.28993	B05
11	287.19.1324.50600	C01
13	287.19.1324.53477	D03
15	287.19.1324.55690	G02
17	287.19.1325.11697	H01
19	287.19.1325.24230	HJ1
21	287.19.1325.36540	HJ3
23	287.19.1325.43307	J02
25	287.19.1325.49403	J04
27	287.19.1325.55010	J06
29	287.19.1326.01443	J071
31	287.19.1326.24357	K01
33	287.19.1326.45430	L01
35	287.19.1326.51430	L03
37	287.19.1326.54923	V10
39	287.19.1326.56777	V12
41	287.19.1326.58580	V2
43	287.19.1327.00357	V4
45	287.19.1327.01980	V6
47	287.19.1327.03657	V8
49	287.19.1327.20083	A04
51	287.19.1327.32923	V10

Item	Seal #	Truss
2	287.19.1324.14350	A02
4	287.19.1324.22930	A05
6	287.19.1324.25353	B02
8	287.19.1324.27603	B04
10	287.19.1324.29963	B06
12	287.19.1324.51863	D01
14	287.19.1324.54737	G01
16	287.19.1325.10590	G03
18	287.19.1325.14853	H02
20	287.19.1325.33247	HJ2
22	287.19.1325.39793	J01
24	287.19.1325.46343	J03
26	287.19.1325.52000	J05
28	287.19.1325.57900	J07
30	287.19.1326.13583	J08
32	287.19.1326.41997	K02
34	287.19.1326.49833	L02
36	287.19.1326.53963	V1
38	287.19.1326.55800	V11
40	287.19.1326.57700	V13
42	287.19.1326.59463	V3
44	287.19.1327.01180	V5
46	287.19.1327.02797	V7
48	287.19.1327.04743	V9
50	287.19.1327.31190	D02
52	287.19.1327.33953	V11



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ALPINE

COA #0-278

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

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	*Job Number:* 19-3616
Job Description: /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	
Address: LAKE CITY, FL	

Item	Seal #	Truss
53	287.19.1327.37513	V12
55	A14015ENC101014	
57	VAL160101014	

Item	Seal #	Truss
54	BRCLBSUB0119	
56	GBLLETIN0118	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:
The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by 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)

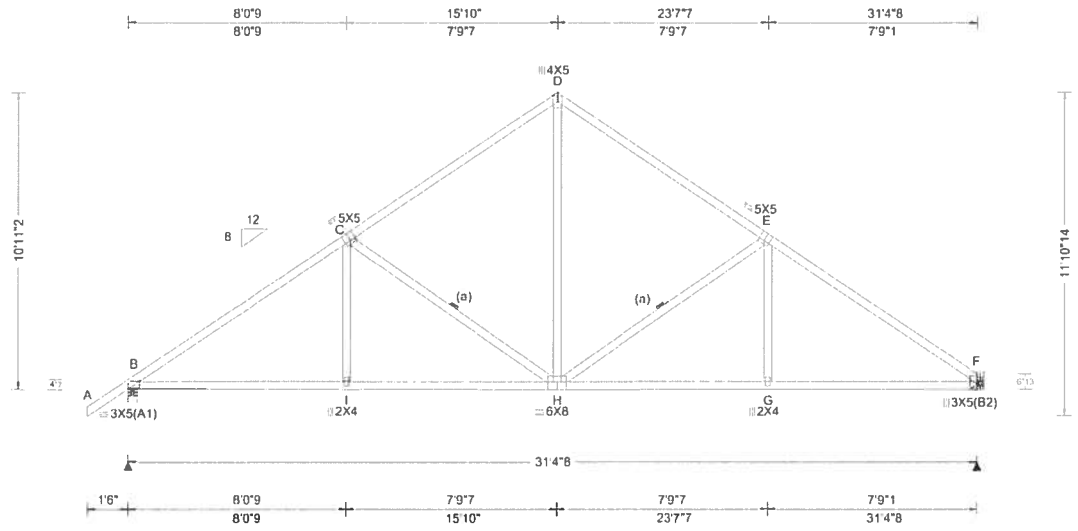
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written 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: 289544 SPEC	Ply: 1	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T10
FROM: CDM	Qty: 1	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.13010
		Truss Label: A01	/ YK 10/14/2019



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: 3.14 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): 0.073	H	999	240
VERT(CL): 0.152	H	999	180
HORZ(LL): 0.037	G	-	-
HORZ(TL): 0.076	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.700
Max BC CSI: 0.794
Max Web CSI: 0.485

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1428	/-	/-	/872	/234	/326
F	1312	/-	/-	/773	/206	/-

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	373	-1924	D - E	371	-1334
C - D	364	-1336	E - F	386	-1900

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1492	-216	H - G	1466	-215
I - H	1490	-216	G - F	1468	-215

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	219	-607	H - E	217	-578
D - H	842	-224			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

Refer to General Notes for additional information

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

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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

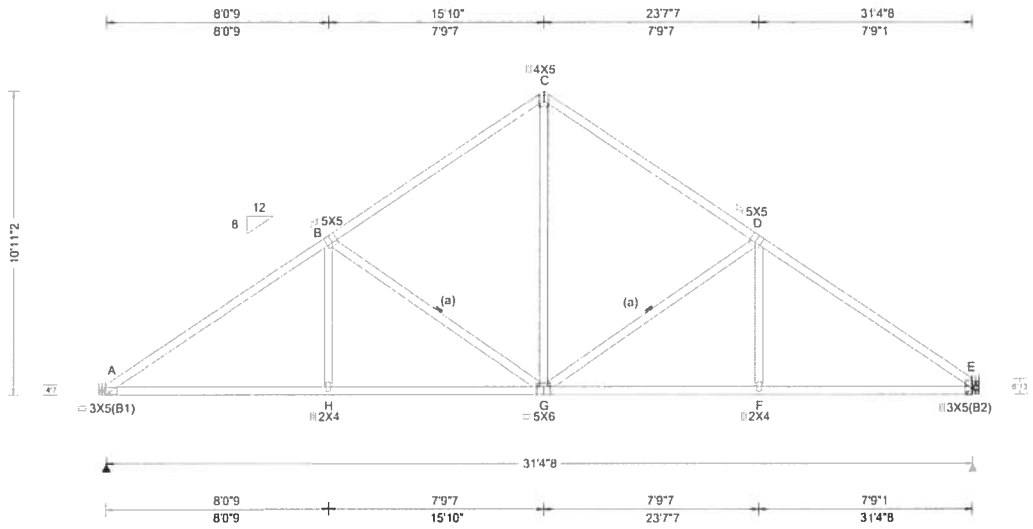
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 289547 SPEC	Ply: 1	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T11
FROM: CDM	Qty: 1	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.14350
		Truss Label: A02	/ YK 10/14/2019



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: 3.14 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	G	999	240
VERT(CL): 0.151	G	999	180
HORZ(LL): 0.036	F	-	-
HORZ(TL): 0.076	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.784
Max BC CSI: 0.816
Max Web CSI: 0.492

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1321	/-	/-	/780	/207	/293
E	1315	/-	/-	/773	/207	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
E Brg Width = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	396	- 1946	C - D	373	- 1341
B - C	373	- 1343	D - E	388	- 1907

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	1514	- 224	G - F	1472	- 217
H - G	1512	- 224	F - E	1474	- 217

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	226	- 628	G - D	218	- 579
C - G	851	- 227			

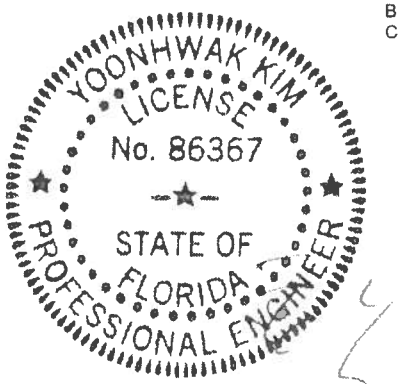
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-11-2.



COA #0-278
10/14/2019

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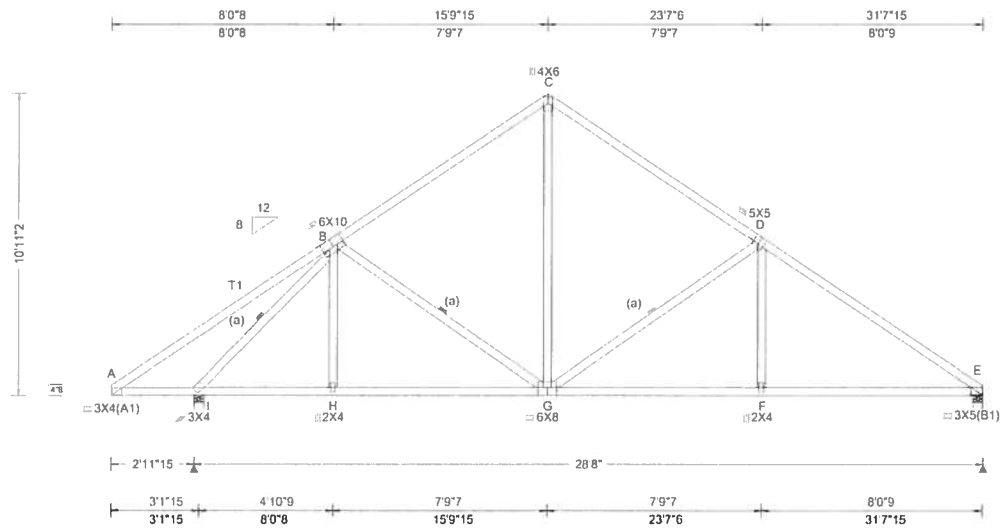
Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289550 SPEC	Ply: 1	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T29
FROM: CDM	Qty: 3	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.15853
		Truss Label: A03	/ YK 10/14/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.059 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.113 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 F - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.060 F - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.784
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.799
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.608
	C&C Dist a: 3.17 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	1584	/-	/-	/928	/210	/296
E	1337	/-	/-	/715	/187	/-

Wind reactions based on MWFRS
I Brg Width = 4.0 Min Req = 1.5
E Brg Width = 4.0 Min Req = 1.6
Bearings I & 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	492	- 180	C - D	334	- 1220
B - C	320	- 1222	D - E	358	- 1956

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	1035	- 150	G - F	1519	- 186
H - G	1038	- 149	F - E	1523	- 186

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - B	392	- 1930	G - D	226	- 763
C - G	714	- 183			

Lumber

Top chord 2x4 SP #2
:T1 2x4 SP M-31:
Bot chord 2x4 SP #2
Webs 2x4 SP #3

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

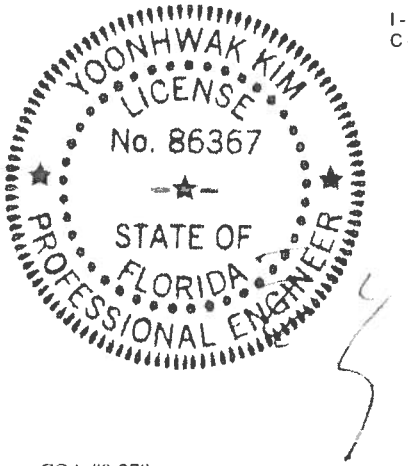
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



COA #0-278
10/14/2019

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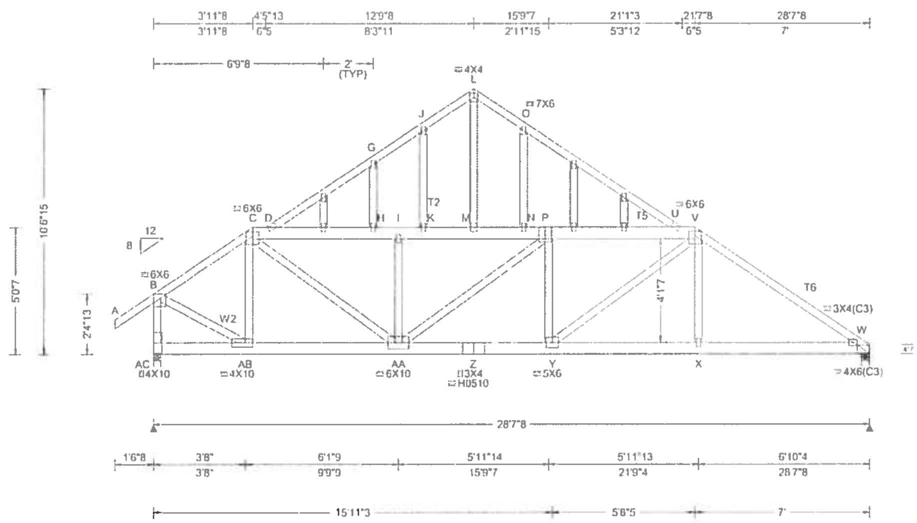
For more information see this job's general notes page and these web sites: ALPINE www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 289559 GABL	Ply: 1	Job Number: 19-3616	Cust: R 215 JRef:1WPc2150004 T33
FROM: CDM	Qty: 1	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.22930
		Truss Label: A05	/ YK 10/14/2019



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.143 S 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.294 S 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 E - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.124 E - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.579
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.409
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.938
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18		
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AC	3639	/-	/-	/-	/738	/-
W	2743	/-	/-	/-	/503	/-

Wind reactions based on MWFRS
AC Brg Width = 3.5 Min Req = 3.0
W Brg Width = 4.0 Min Req = 2.3
Bearings AC & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	664	- 3352	K - M	739	- 3995
C - D	889	- 4702	L - O	223	- 988
D - G	244	- 1080	M - N	739	- 3995
D - H	733	- 3977	N - P	737	- 3987
G - J	214	- 968	O - U	218	- 1024
H - I	737	- 3987	P - U	780	- 4482
I - K	737	- 3987	U - V	933	- 5200
J - L	215	- 970	V - W	841	- 4564

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AB-AA	2800	- 555	Y - X	3693	- 670
AA- Z	5228	- 944	X - W	3698	- 670
Z - Y	5228	- 944			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AC	717	- 3548	I -AA	278	- 708
B -AB	3112	- 611	AA- P	79	- 680
AB- C	270	- 988	Y - V	1973	- 346
C -AA	2462	- 435			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
G - H	123	- 378	L - M	536	- 85
J - K	125	- 392	N - O	104	- 388

Lumber

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

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 16.56
TC: From 64 plf at 16.56 to 64 plf at 28.63
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 16.56
BC: From 20 plf at 16.56 to 20 plf at 28.63
TC: 193 lb Conc. Load at 4.02, 6.02, 8.02,10.02 12.02,14.02
TC: 200 lb Conc. Load at 16.02
BC: 274 lb Conc. Load at 2.02
BC: 131 lb Conc. Load at 4.02, 6.02, 8.02,10.02 12.02,14.02
BC: 133 lb Conc. Load at 16.02
BC: 939 lb Conc. Load at 16.56

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.

Purlins

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

Wind

Wind loads and reactions based on MWFRS.
Left end vertical not exposed to wind pressure.

Additional Notes

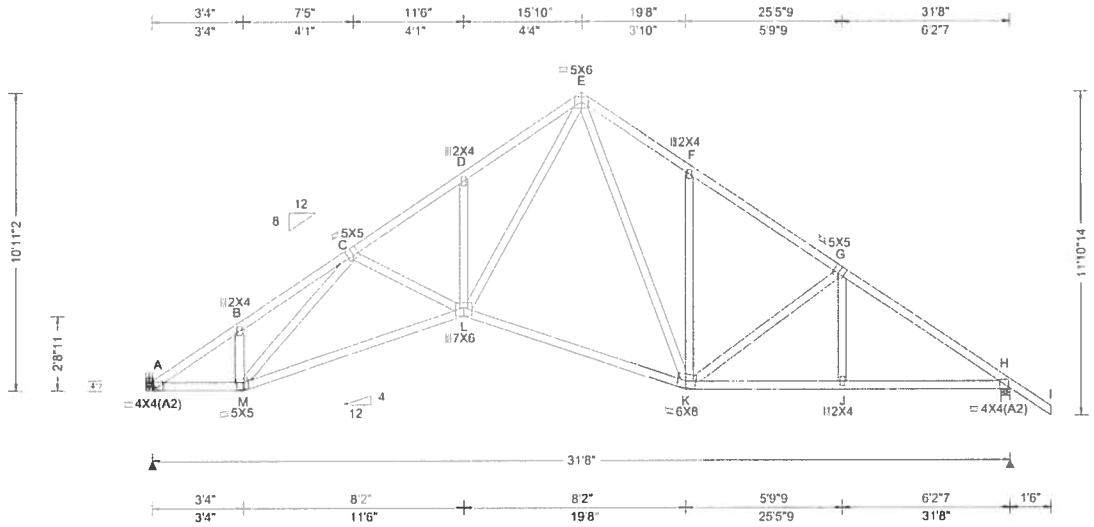
Refer to General Notes for additional information.
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 10-6-15.

LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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

SEQN: 289562 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** B01	Cust: R 215 JRef: 1WPc2150004 T3 DrwNo: 287.19.1324.24297 / YK 10/14/2019	



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): 0.127	D	999	240
VERT(CL): 0.267	D	999	180
HORZ(LL): 0.073	J	-	-
HORZ(TL): 0.153	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.406
Max BC CSI: 0.933
Max Web CSI: 0.670

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1338	/-	/-	/796	/2	/331
H	1444	/-	/-	/883	/11	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
H Brg Width = 4.0 Min Req = 1.7
Bearing H 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	409	-2143	E - F	478	-1559
B - C	493	-2123	F - G	372	-1596
C - D	437	-2442	G - H	372	-2001
D - E	536	-2437			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	1729	-264	K - J	1573	-200
M - L	2189	-255	J - H	1575	-200
L - K	1206	-47			

Maximum Web Forces Per Ply (lbs)

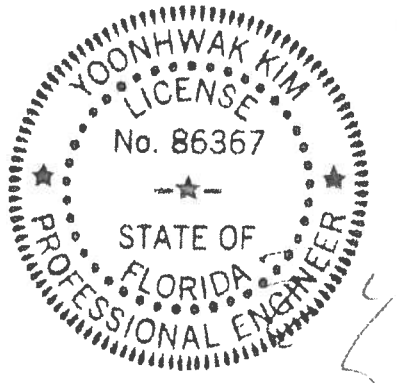
Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - C	11	-535	E - K	453	-242
L - E	1758	-262	K - G	151	-411

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-11-2.



COA #0-278
10/14/2019

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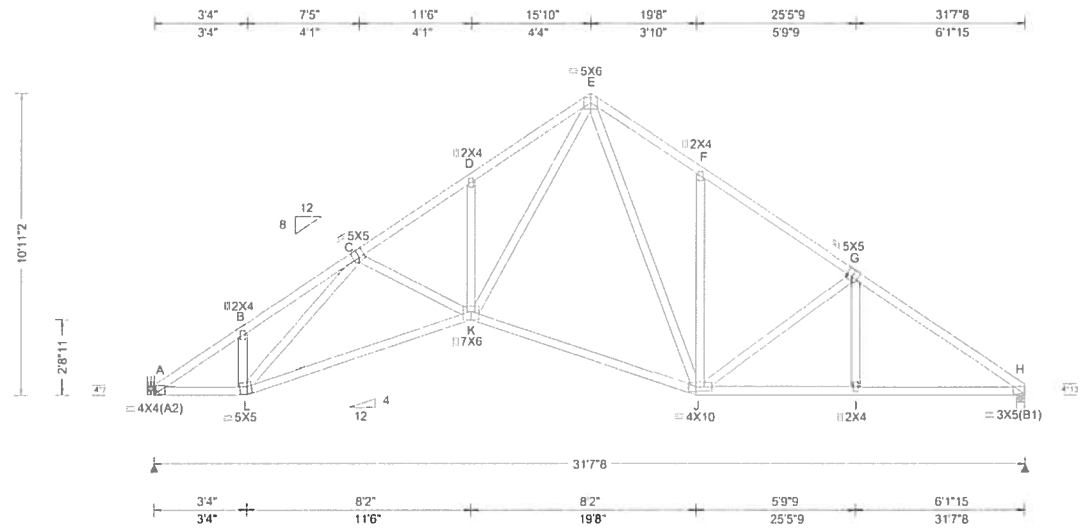
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289565 SPEC	Ply: 1	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T6
FROM: CDM	Qty: 3	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.25353
		Truss Label: B02	/ YK 10/14/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.126 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.266 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.072 I - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.153 I - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.367
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.933
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.670
	C&C Dist a: 3.16 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1339	/-	/-	/795	/2	/295
H	1336	/-	/-	/790	/5	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
H Brg Width = 3.5 Min Req = 1.6
Bearing H 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	410	-2145	E - F	484	-1562
B - C	494	-2125	F - G	385	-1600
C - D	459	-2445	G - H	399	-2009
D - E	558	-2440			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	1731	-296	J - I	1583	-243
L - K	2191	-301	I - H	1584	-243
K - J	1208	-34			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - C	19	-536	E - J	441	-231
K - E	1759	-301	J - G	170	-419

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

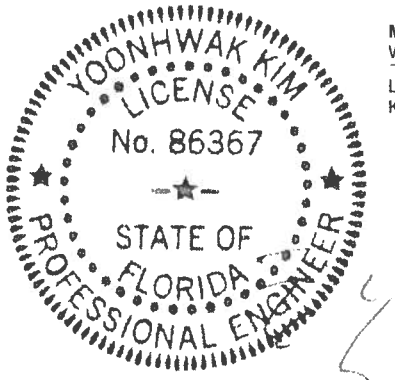
Wind

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

Additional Notes

Refer to General Notes for additional information

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



COA #0-278
10/14/2019

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ALPINE
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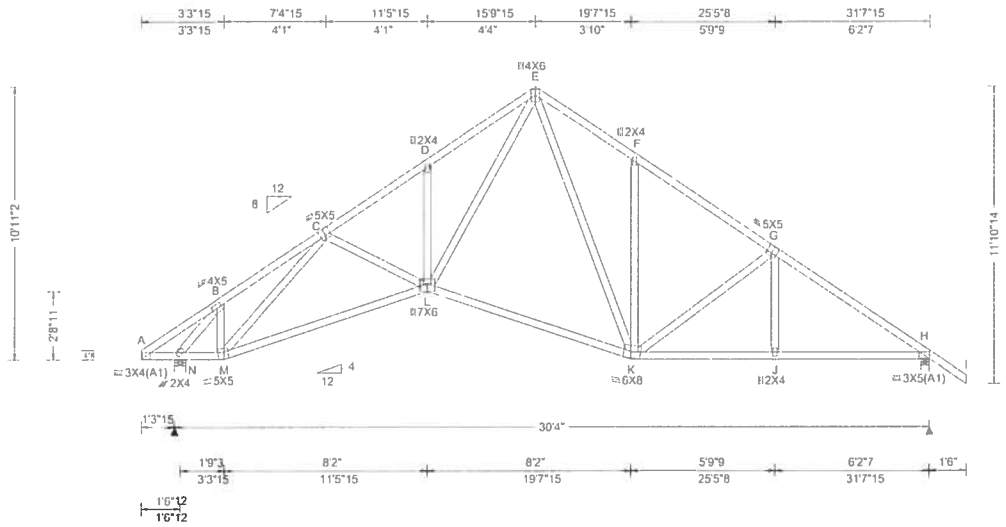
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289568 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** B03	Cust: R 215 JRef: 1WPc2150004 T13 DrwNo: 287.19.1324.26380 / YK 10/14/2019	



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): 0.093	D	999	240
VERT(CL): 0.195	D	999	180
HORZ(LL): 0.062	J	-	-
HORZ(TL): 0.130	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.391
Max BC CSI: 0.851
Max Web CSI: 0.879

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1402	/-	/-	/859	/-	/331
H	1381	/-	/-	/851	/11	/-

Wind reactions based on MWFRS
N Brg Width = 5.7 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.6
Bearings N & 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	299	- 1226	E - F	456	- 1448
C - D	373	- 2137	F - G	353	- 1485
D - E	473	- 2135	G - H	352	- 1892

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	879	- 242	K - J	1483	- 181
M - L	1743	- 214	J - H	1485	- 181
L - K	1094	- 57			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	317	- 1649	L - E	1455	- 199
B - M	431	0	E - K	473	- 251
M - C	95	- 1074	K - G	152	- 414

Lumber

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

Wind

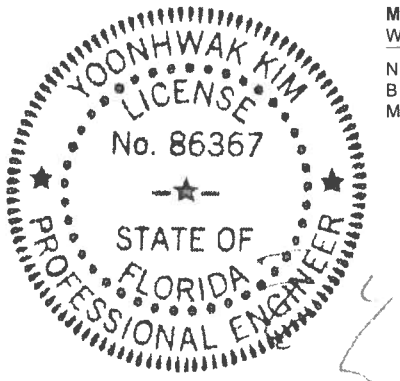
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



COA #0-278
10/14/2019

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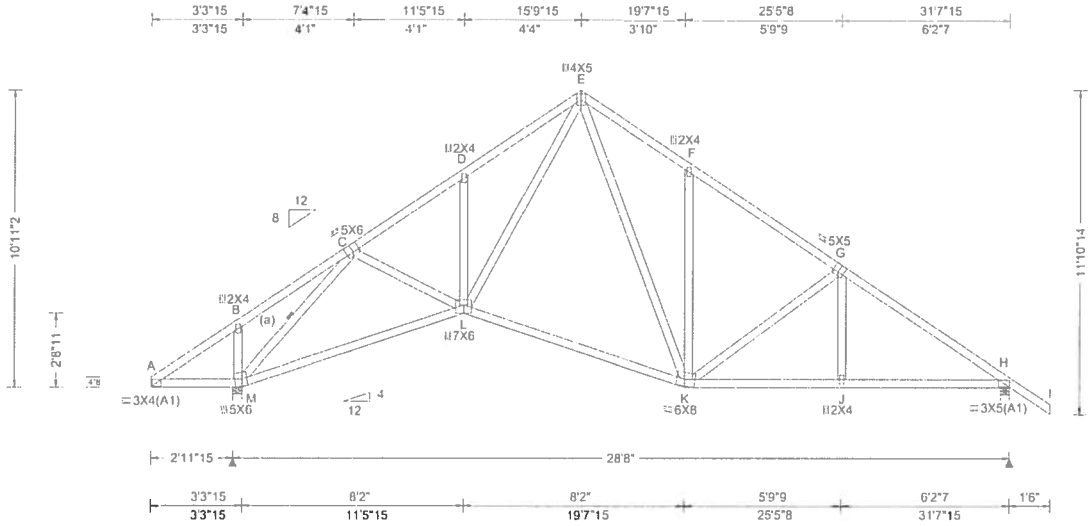
For more information see this job's general notes page and these web sites ALPINE www.alpineitw.com, TPI www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 289571 SPEC	Ply: 1	**Job Number:** 19-3616	Cust: R215 JRef: 1WPc2150004 T14
FROM: CDM	Qty: 3	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.27603
		Truss Label: B04	/ YK 10/14/2019



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): 0.067	D	999	240
VERT(CL): 0.143	D	999	180
HORZ(LL): 0.050	J	-	-
HORZ(TL): 0.106	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.374
Max BC CSI: 0.745
Max Web CSI: 0.647

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1490	/-	/-	/945	/-	/331
H	1300	/-	/-	/808	/12	/-

Wind reactions based on MWFRS
M Brg Width = 4.0 Min Req = 1.8
H Brg Width = 4.0 Min Req = 1.5
Bearings M & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	282	- 1743	F - G	330	- 1340
D - E	391	- 1744	G - H	330	- 1751
E - F	433	- 1304			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1164	- 269	K - J	1367	- 154
L - K	949	- 71	J - H	1368	- 153

Maximum Web Forces Per Ply (lbs)

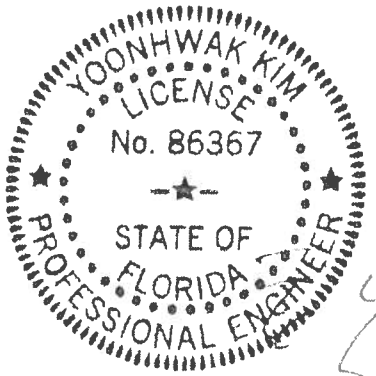
Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - C	255	- 1830	E - K	500	- 263
C - L	380	0	K - G	153	- 419
L - E	1064	- 212			

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-11-2.



COA #0-278
10/14/2019

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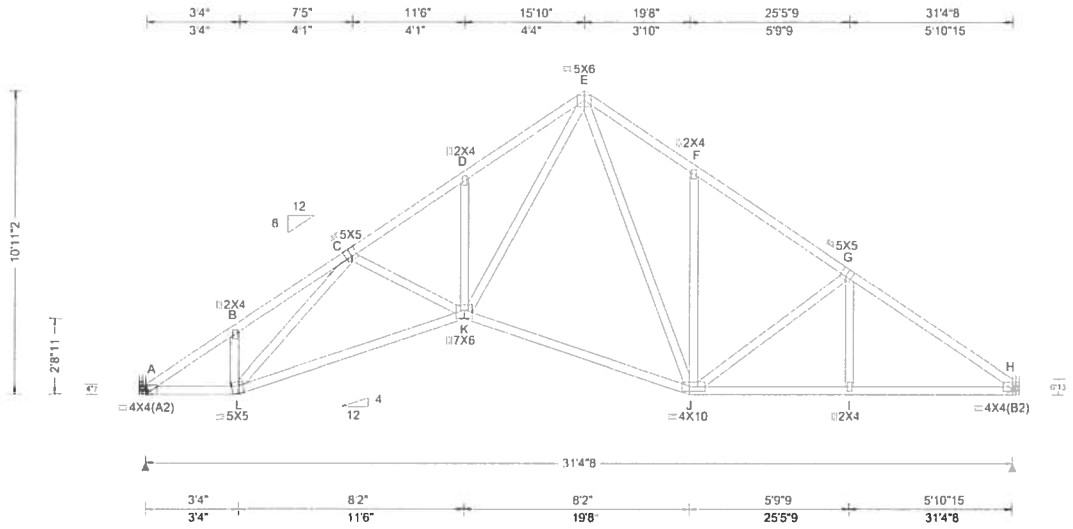
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289574 SPEC	Ply: 1	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T12
FROM: CDM	Qty: 1	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1324.28993
		Truss Label: B05	/ YK 10/14/2019



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: 3.14 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): 0.129	D	999	240
VERT(CL): 0.272	D	999	180
HORZ(LL): 0.078	I	-	-
HORZ(TL): 0.164	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.522
Max BC CSI: 0.928
Max Web CSI: 0.667

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1332	/-	/-	/791	/201	/293
H	1322	/-	/-	/779	/203	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
H Brg Width = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	407	-2134	E - F	481	-1545
B - C	491	-2114	F - G	381	-1578
C - D	459	-2426	G - H	388	-1953
D - E	558	-2421			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	1722	-299	J - I	1528	-238
L - K	2177	-305	I - H	1529	-238
K - J	1196	-38			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - C	21	-529	E - J	434	-229
K - E	1750	-304			

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

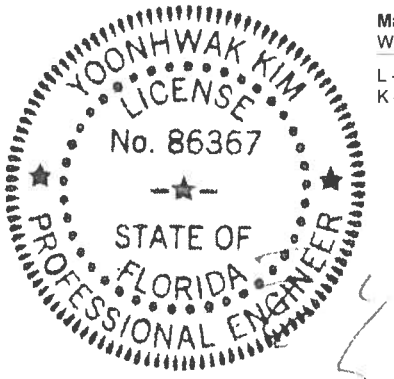
Wind

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

Additional Notes

Refer to General Notes for additional information

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



COA #0-278
10/14/2019

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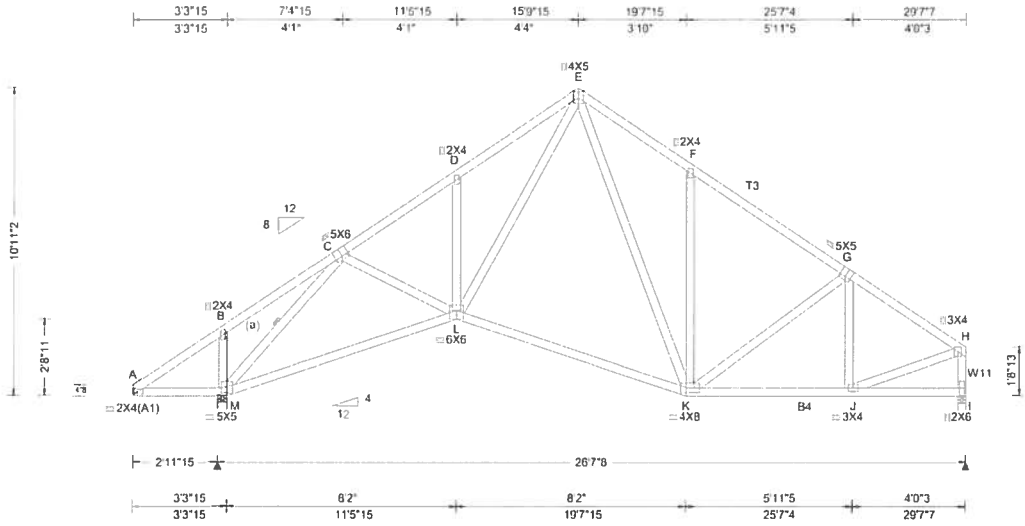
For more information see this job's general notes page and these web sites ALPINE www.alpineitw.com, TPI www.tpinst.org; SBCA www.sbcindustry.com, ICC www.iccsafe.org

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

SEQN: 289579 SPEC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** B06	Cust: R 215 JRef: 1WPc2150004 T47 DrwNo: 287.19.1324.29963 / YK 10/14/2019	



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): 0.053	D	999	240
VERT(CL): 0.114	D	999	180
HORZ(LL): 0.038	I	-	-
HORZ(TL): 0.082	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.316
Max BC CSI: 0.724
Max Web CSI: 0.516

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1414	/-	/-	/904	/-	/280
I	1101	/-	/-	/639	/6	/-

Wind reactions based on MWFRS
M Brg Width = 4.0 Min Req = 1.7
I Brg Width = 3.5 Min Req = 1.5
Bearings M & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	327	-1593	F - G	303	-1153
D - E	435	-1595	G - H	258	-1200
E - F	407	-1121			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1075	-212	K - J	961	-164
L - K	841	-30			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - C	272	-1699	J - H	988	-162
L - E	1017	-209	H - I	227	-1066
E - K	392	-210			

Lumber

Top chord 2x4 SP #2
:T3 2x4 SP M-31:
Bot chord 2x4 SP #2
:B4 2x4 SP M-31:
Webs 2x4 SP #3
:W11 2x4 SP M-31:

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 10-11-2.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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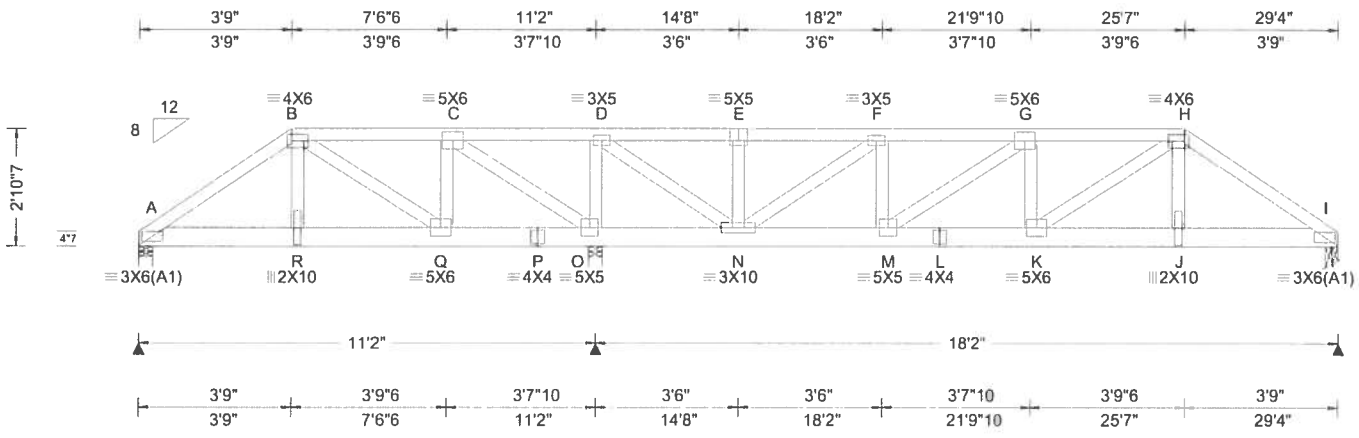
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289587 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** C01	Cust: R 215 JRef: 1WPc2150004 T16 DrwNo: 287.19.1324.50600 / YK 10/14/2019

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	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):	0.029 R	999	240
VERT(CL):	0.059 R	999	180
HORZ(LL):	0.009 J	-	-
HORZ(TL):	0.017 J	-	-

Creep Factor: 2.0
Max TC CSI: 0.506
Max BC CSI: 0.340
Max Web CSI: 0.995

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	4541	/-	/-	/190	/442	/68
O	7119	/-	/-	/752	/689	/-
I	1062	/-	/-	/383	/233	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.9
O Brg Width = 4.0 Min Req = 2.6
I Brg Width = 3.5 Min Req = 1.5
Bearings A, O, & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	131	-2335	F - G	173	-573
B - C	31	-1572	G - H	207	-827
C - D	1088	-165	H - I	190	-820

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - R	1924	-102	N - M	537	-172
R - Q	2004	-106	M - L	829	-214
Q - P	1391	-48	L - K	829	-214
P - O	1391	-48	K - J	668	-149
O - N	139	-990	J - I	660	-150

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - R	1361	-57	O - D	223	-838
B - Q	124	-592	D - N	1033	-232
Q - C	1584	-32	N - F	155	-853
C - O	205	-2951			

Lumber

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

Nailnote

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

Special Loads

——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 29.33
BC: From 20 plf at 0.00 to 20 plf at 29.33
TC: 144 lb Conc. Load at 3.78,25.55
TC: 91 lb Conc. Load at 5.81, 7.81, 9.81,11.81 13.81,15.52,17.52,19.52,21.52,23.52
BC: 1321 lb Conc. Load at 0.23
BC: 1332 lb Conc. Load at 2.23
BC: 157 lb Conc. Load at 3.78,25.55
BC: 1339 lb Conc. Load at 4.23, 6.23, 8.23
BC: 66 lb Conc. Load at 5.81, 7.81, 9.81,11.81 13.81,15.52,17.52,19.52,21.52,23.52
BC: 1338 lb Conc. Load at 10.23

Purlins

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

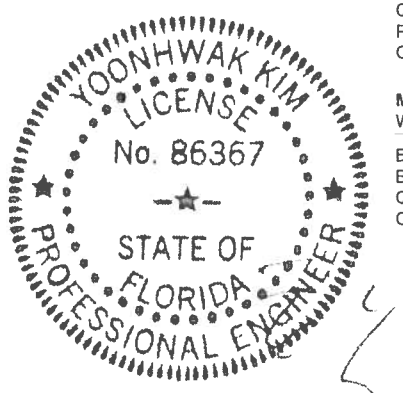
Wind

Wind loads based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-10-7.



COA #0-278
10/14/2019

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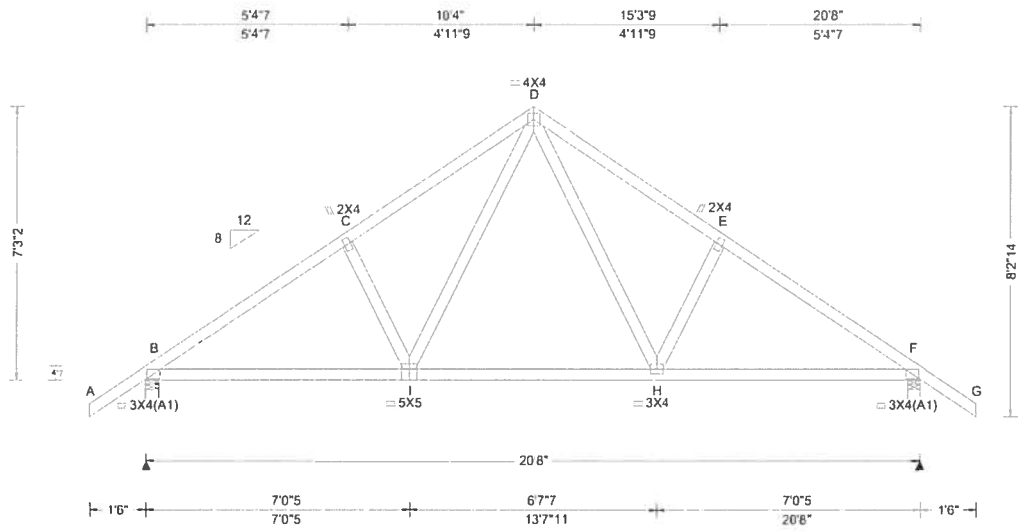
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289479 COMN FROM: CDM	Ply: 1 Qty: 13	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** D01	Cust: R 215 JRef: 1WPc2150004 T1 DrwNo: 287.19.1324.51863 / YK 10/14/2019	



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): 0.036	H	999	240
VERT(CL): 0.070	H	999	180
HORZ(LL): 0.015	H	-	-
HORZ(TL): 0.030	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.287
Max BC CSI: 0.542
Max Web CSI: 0.184

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1026	/-	/-	/602	/161	/244
F	1027	/-	/-	/602	/161	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	324	- 1306	D - E	382	- 1167
C - D	382	- 1165	E - F	323	- 1308

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1011	- 142	H - F	1013	- 151
I - H	689	- 40			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	480	- 160	D - H	484	- 159

Lumber

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

Loading

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

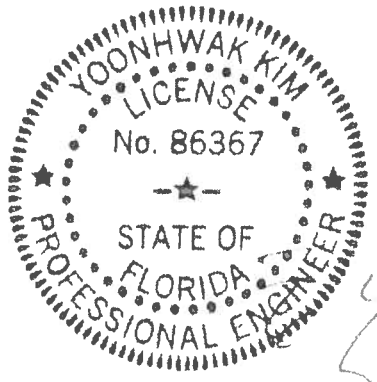
Wind

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

Additional Notes

Refer to General Notes for additional information

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



COA #0-278
10/14/2019

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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
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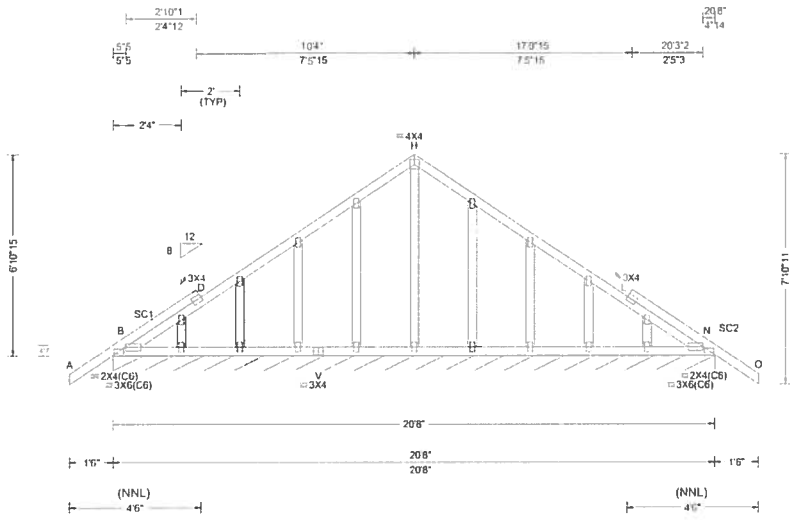
Orlando FL, 32821

SEQN: 289600 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** D03	Cust: R215 JRef: 1WPc2150004 T2 DrwNo: 287.19.1324.53477 / YK 10/14/2019



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: 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 D 999 240 VERT(CL): 0.004 D 999 180 HORZ(LL): 0.002 L - - HORZ(TL): 0.003 L - - Creep Factor: 2.0 Max TC CSI: 0.291 Max BC CSI: 0.094 Max Web CSI: 0.113 VIEW Ver: 18.02.01B.0321.08	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 104 /- /- /53 /17 /13 Wind reactions based on MWFRS B Brg Width = 247 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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.

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.

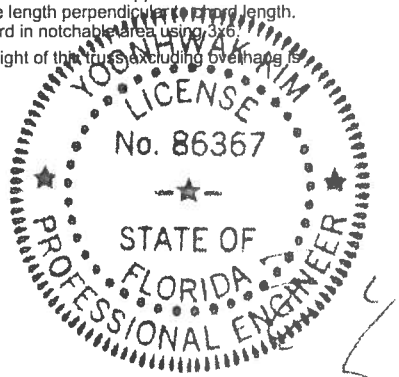
Additional Notes

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 3x6.

The overall height of this truss excluding overhangs is 6-10-15.



COA #0-278
10/14/2019

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ALPINE
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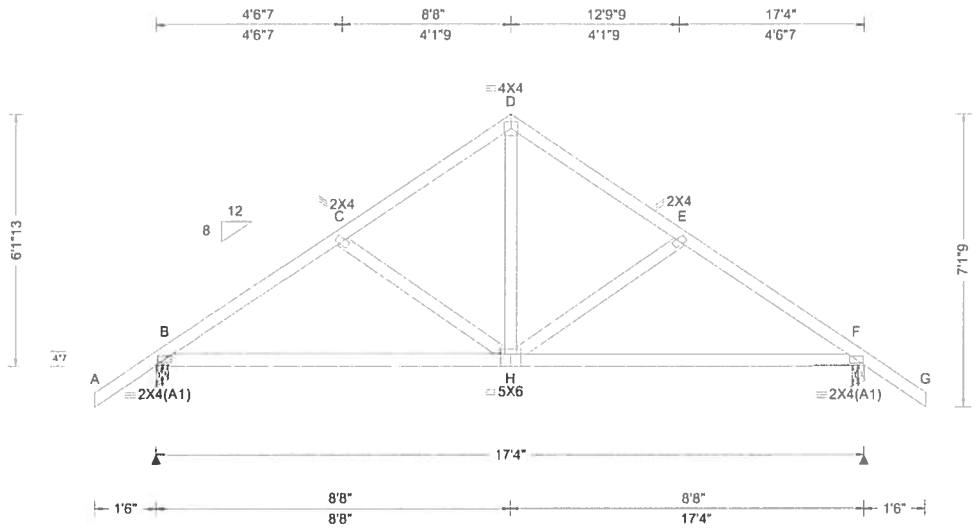
SEQN: 289604 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** G01	Cust: R 215 JRef: 1WPc2150004 T4 DrwNo: 287.19.1324.54737 / YK 10/14/2019	



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): 0.020	H	999	240
VERT(CL): 0.041	H	999	180
HORZ(LL): 0.010	H	-	-
HORZ(TL): 0.019	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.197
Max BC CSI: 0.715
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	832	/-	/-	/521	/138	/213
F	832	/-	/-	/521	/138	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	267	-959	D - E	239	-727
C - D	239	-727	E - F	266	-959

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	738	-105	H - F	738	-114

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - H	503	-142

Lumber

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

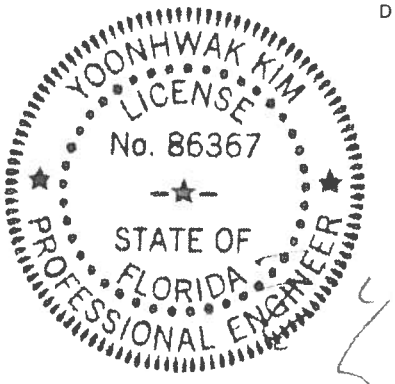
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6-1-13.



COA #0-278
10/14/2019

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ALPINE
AN ITW COMPANY
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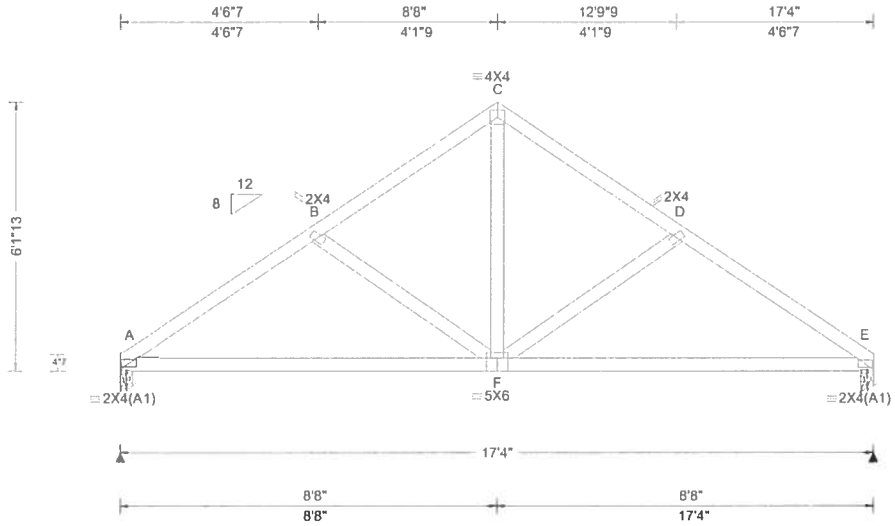
Orlando FL, 32821

SEQN: 289607 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** G02	Cust: R 215 JRef: 1WPc2150004 T20 DrwNo: 287.19,1324.55690 / YK 10/14/2019



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): 0.039	F	999	180
HORZ(LL): 0.009	F	-	-
HORZ(TL): 0.020	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.217
Max BC CSI: 0.732
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
A	728	/-	/-	/427	/113	/159
E	728	/-	/-	/427	/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	232	-990	C - D	213	-751
B - C	213	-751	D - E	232	-990

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	772	-129	F - E	772	-130

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	517	-129

Lumber

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

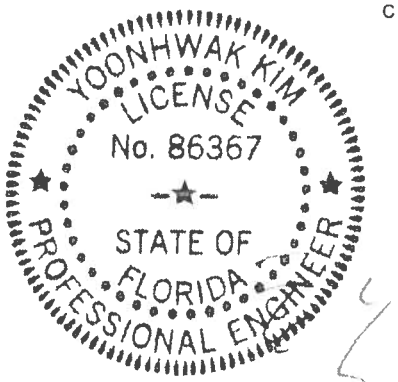
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6-1-13.



COA #0-278
10/14/2019

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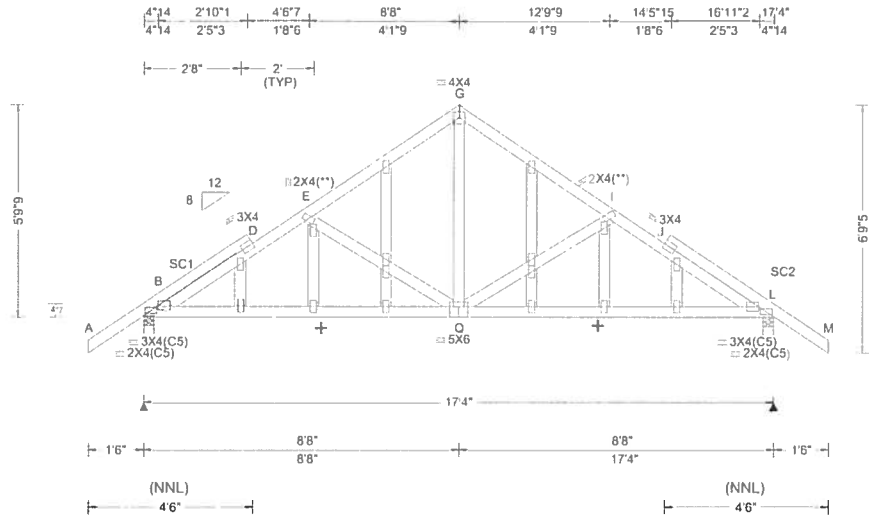
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289610 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** G03	Cust: R 215 JRef: 1WPc2150004 T19 DrwNo: 287.19.1325.10590 / YK 10/14/2019	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲Maximum Reactions (lbs)**
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): 0.031 P 999 240 VERT(CL): 0.062 R 999 180 HORZ(LL): 0.013 F - - HORZ(TL): 0.025 F - - Creep Factor: 2.0 Max TC CSI: 0.339 Max BC CSI: 0.352 Max Web CSI: 0.209 VIEW Ver: 18.02.01B.0321.08	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 913 /- /- /561 /155 /238 L 913 /- /- /560 /154 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 L Brg Width = 3.5 Min Req = 1.5 Bearings B & L 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 - D	207	-809	G - I	290	-799
D - E	317	-1061	I - J	313	-1061
E - G	290	-799	J - L	202	-809

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Q	908	-126	Q - L	908	-139

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
G - Q	524	-225

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.

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

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.

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

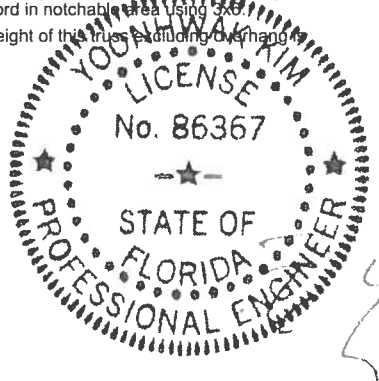
Additional Notes

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 excluding overhang is 5-9-9.



COA #0-278
10/14/2019

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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
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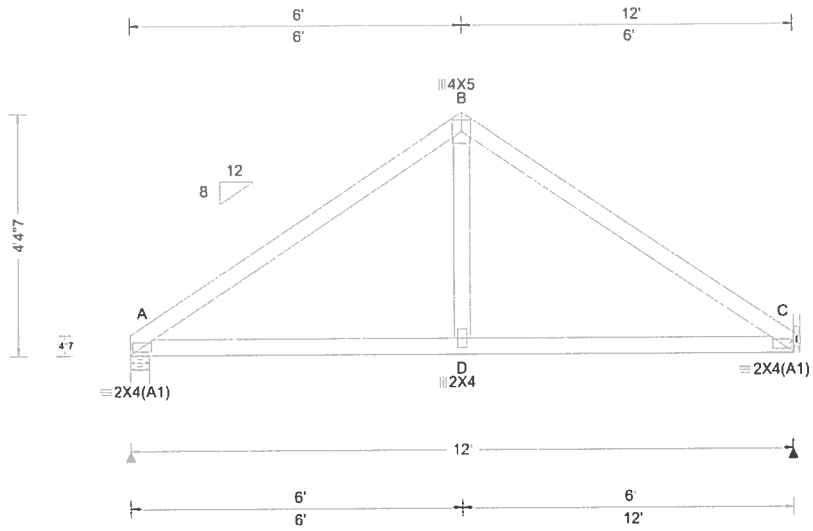
SEQN: 289499 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** H01	Cust: R 215 JRef: 1WPc2150004 T32 DrwNo: 287.19.1325.11697 / YK 10/14/2019	



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): 0.005	D	999	240
VERT(CL): 0.011	D	999	180
HORZ(LL): 0.004	D	-	-
HORZ(TL): 0.009	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.382
Max BC CSI: 0.381
Max Web CSI: 0.104

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	505	/-	/-	/296	/77	/110
C	503	/-	/-	/295	/77	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C 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	169	-605	B - C	169	-604

Maximum Bot Chord Forces Per Ply (lbs)

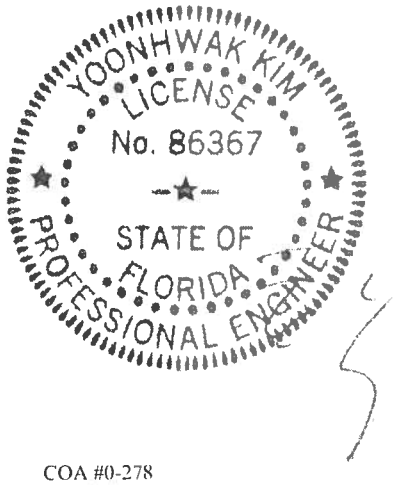
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	429	-53	D - C	429	-53

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-4-7.



COA #0-278
10/14/2019

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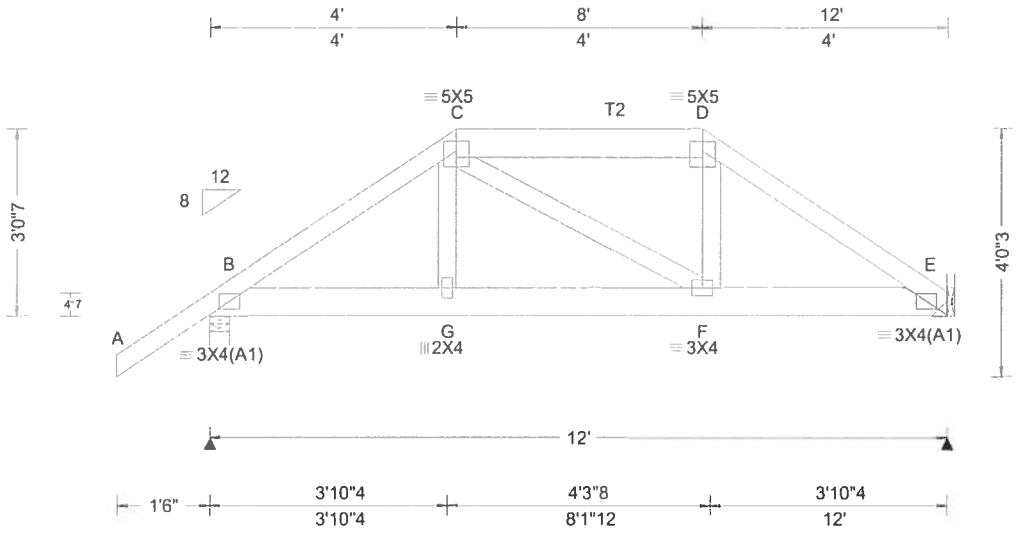
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 289613 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** H02	Cust: R 215 JRef: 1WPc2150004 T36 DrwNo: 287.19.1325.14853 / YK 10/14/2019



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 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): 0.013	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: 0.236
Max BC CSI: 0.104
Max Web CSI: 0.101

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	944	/-	/-	/-	/189	/-
E	822	/-	/-	/-	/145	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	218	-1221	D - E	228	-1245
C - D	172	-992			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	967	-162	F - E	992	-172
G - F	954	-164			

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	4.00
TC: From	32 plf at	4.00 to	32 plf at	8.00
TC: From	64 plf at	8.00 to	64 plf at	12.00
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.03
BC: From	10 plf at	4.03 to	10 plf at	7.97
BC: From	20 plf at	7.97 to	20 plf at	12.00

TC: 157 lb Conc. Load at 4.03, 7.97
TC: 99 lb Conc. Load at 6.00
BC: 169 lb Conc. Load at 4.03, 7.97
BC: 71 lb Conc. Load at 6.00

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

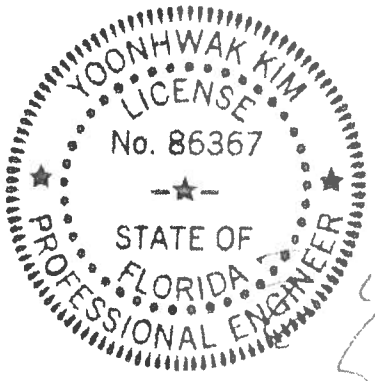
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-0-7.



COA #0-278
10/14/2019

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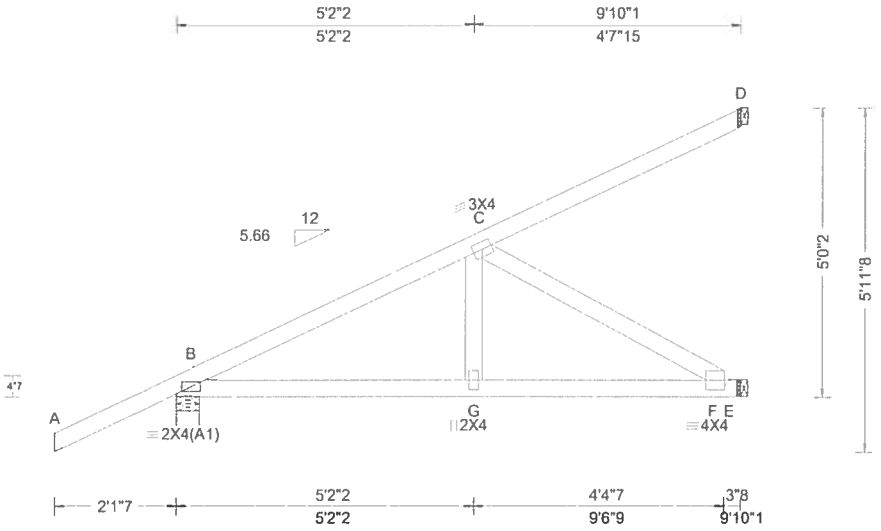
ALPINE
A ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289530 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** HJ1	Cust: R 215 JRef: 1WPc2150004 T39 DrwNo: 287.19.1325.24230 / YK 10/14/2019



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

Creep Factor: 2.0
Max TC CSI: 0.599
Max BC CSI: 0.631
Max Web CSI: 0.302

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	373	/-	/-	/-	/236	/-
E	336	/-	/-	/-	/89	/-
D	80	/-	/-	/-	/22	/-

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	240	-558

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	513	-176	G - F	505	-175

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	204	-588

Lumber

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

Special Loads

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

TC: From	0 plf at	-2.12 to	62 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.84
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.84

TC: -51 lb Conc. Load at 1.38
TC: 126 lb Conc. Load at 4.21
TC: 261 lb Conc. Load at 7.03
BC: 8 lb Conc. Load at 1.38
BC: 99 lb Conc. Load at 4.21
BC: 181 lb Conc. Load at 7.03

Wind

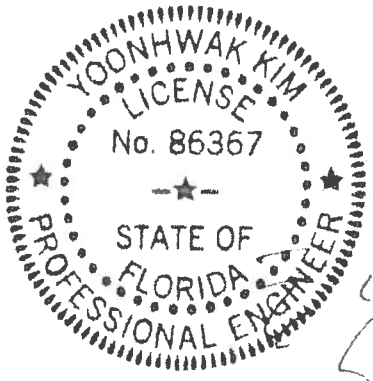
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-0-2.

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



COA #0-278
10/14/2019

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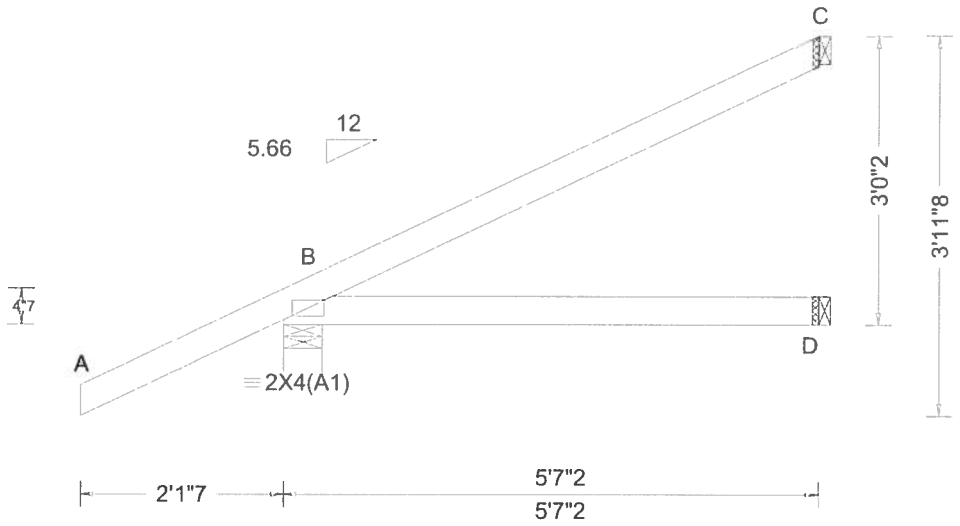
ALPINE
A ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289531 HIP_ FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** HJ2	Cust: R 215 JRef: 1WPc2150004 T38 DrwNo: 287.19.1325.33247 / YK 10/14/2019



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 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): NA
VERT(CL): NA
HORZ(LL): 0.002 D - -
HORZ(TL): 0.009 D - -
Creep Factor: 2.0
Max TC CSI: 0.187
Max BC CSI: 0.300
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	247	/-	/-	/-	/41	/-
D	98	/-	/-	/-	/2	/-
C	58	/-	/-	/-	/4	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 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

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	5.59
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	5.59

TC: 40 lb Conc. Load at 2.79
BC: 56 lb Conc. Load at 2.79

Wind

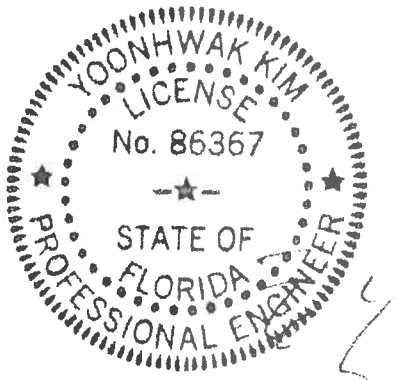
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-0-2.

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



COA #0-278
10/14/2019

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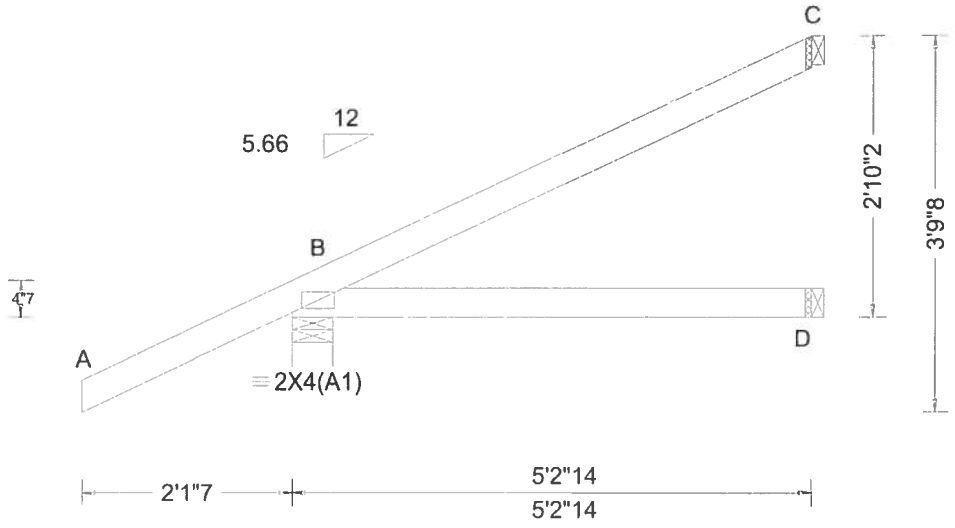
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289529 HIP_ FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** HJ3	Cust: R 215 JRef: 1WPc2150004 T9 DrwNo: 287.19.1325.36540 / YK 10/14/2019



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 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): NA
VERT(CL): NA
HORZ(LL): 0.002 D - -
HORZ(TL): 0.007 D - -
Creep Factor: 2.0
Max TC CSI: 0.156
Max BC CSI: 0.258
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	237	/-	/-	/-	/48	/-
D	91	/-	/-	/-	/3	/-
C	54	/-	/-	/-	/5	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 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

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	5.24
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	5.24

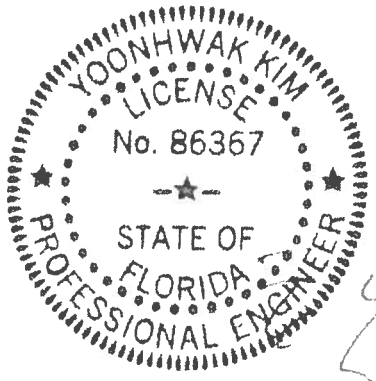
TC: 13 lb Conc. Load at 2.44
BC: 45 lb Conc. Load at 2.44

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 2-10-2.

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



COA #0-278
10/14/2019

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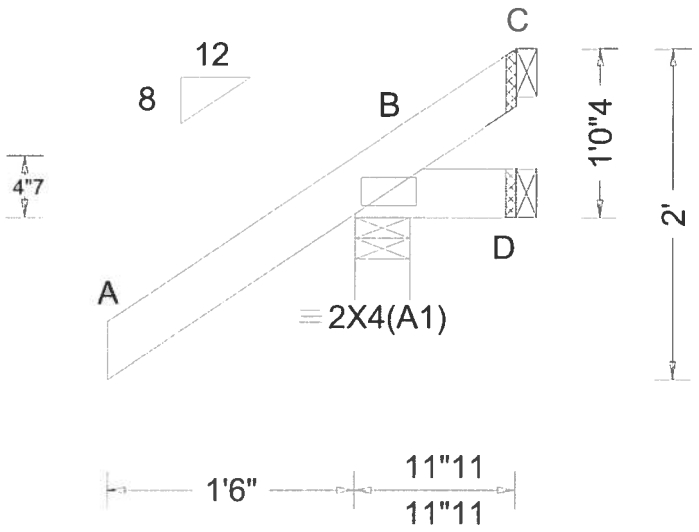
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289489 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J01	Cust: R 215 JRef: 1WPc2150004 T26 DrwNo: 287.19.1325.39793 / YK 10/14/2019



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: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.025 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	263	/-	/-	/228	/68	/46
D	4	/-17	/-	/17	/20	/-
C	-	/-61	/-	/37	/69	/-

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

Lumber

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

Wind

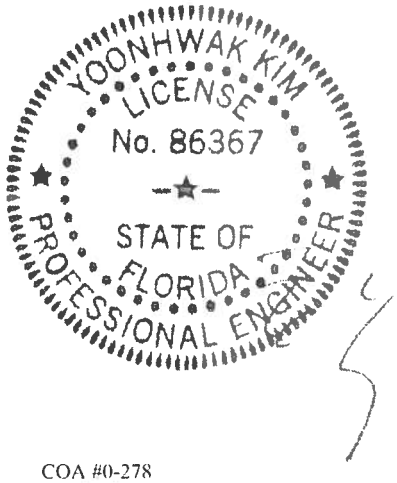
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-0-4.

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



COA #0-278
10/14/2019

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

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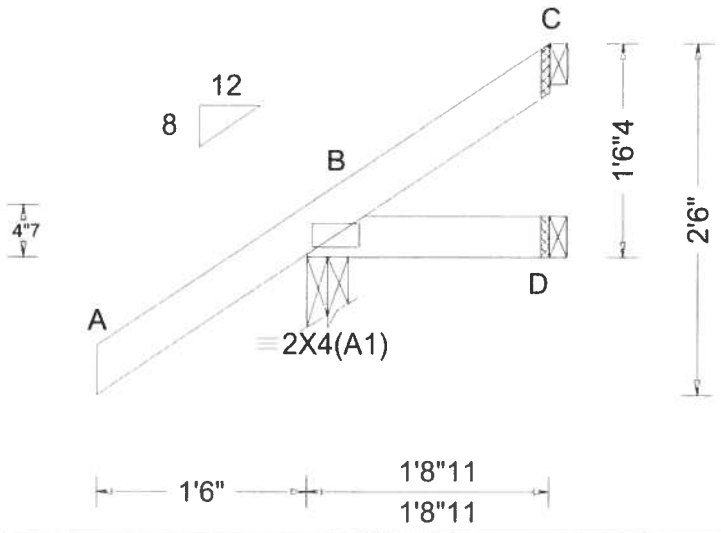
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. **A seal on this drawing or cover page listing this drawing, 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: 289497 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J02	Cust: R 215 JRef: 1WPc2150004 T7 DrwNo: 287.19.1325.43307 / YK 10/14/2019



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: 0.187
Max BC CSI: 0.034
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	241	/-	/-	/196	/44	/60
D	23	/-	/-	/24	/10	/-
C	6	/-	/-	/22	/15	/-

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

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-6-4.

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

COA #0-278
10/14/2019

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

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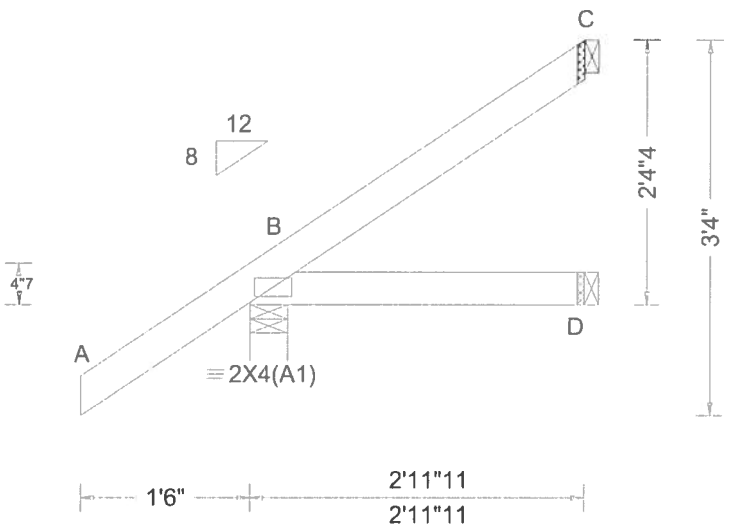
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289508 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J03	Cust: R 215 JRef: 1WPc2150004 T25 DrwNo: 287.19.1325.46343 / YK 10/14/2019



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

Creep Factor: 2.0
Max TC CSI: 0.191
Max BC CSI: 0.073
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	R+	/ R-	/ Rh	Gravity / Rw	Non-Gravity / U	/ RL
B	267	/-	/-	/205	/35	/84
D	50	/-	/-	/39	/2	/-
C	63	/-	/-	/30	/30	/-

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

Lumber

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

Wind

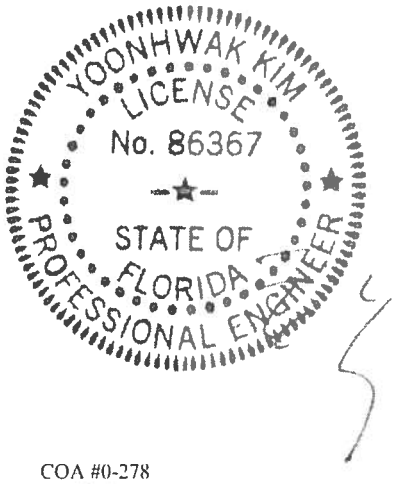
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

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



COA #0-278
10/14/2019

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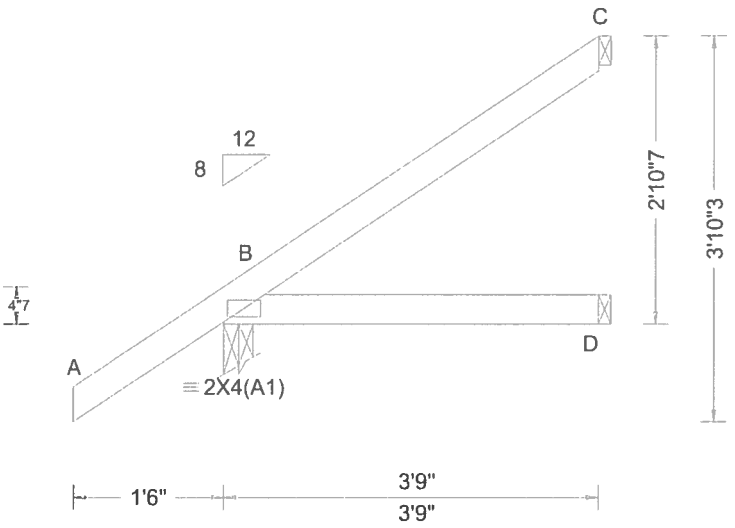
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289476 EJAC FROM: CDM	Ply: 1 Qty: 12	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J04	Cust: R 215 JRef: 1WPc2150004 T8 DrwNo: 287.19.1325.49403 / YK 10/14/2019



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

Creep Factor: 2.0
Max TC CSI: 0.204
Max BC CSI: 0.133
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	293	/-	/-	/220	/33	/99
D	66	/-	/-	/49	/-	/-
C	91	/-	/-	/49	/42	/-

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

Lumber

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

Wind

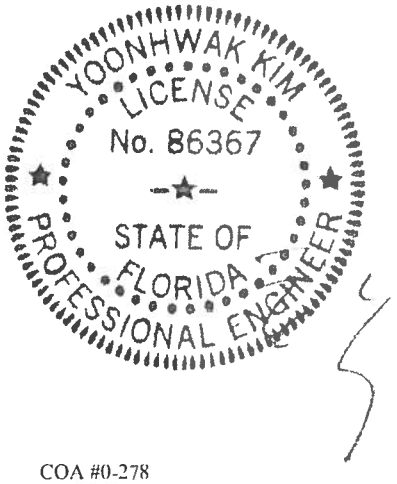
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-10-7.

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



COA #0-278
10/14/2019

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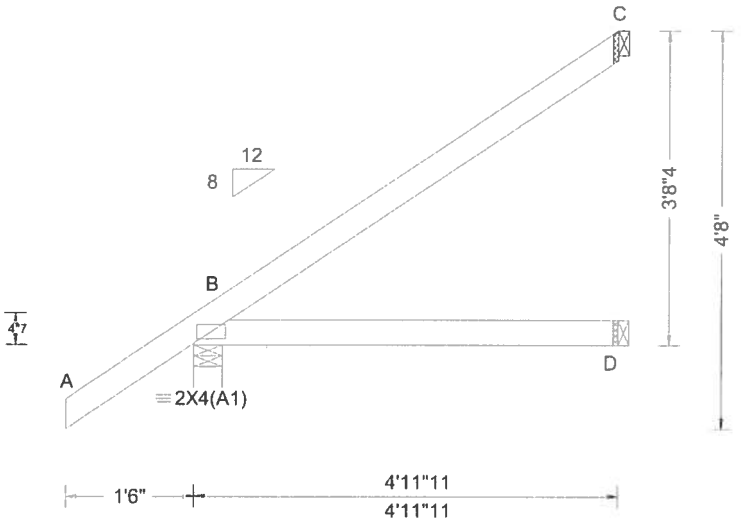
For more information see this job's general notes page and these web sites: ALPINE www.alpineitw.com; TPI www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 289525 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J05	Cust: R 215 JRef: 1WPc2150004 T24 DrwNo: 287.19.1325.52000 / YK 10/14/2019



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): 0.004	D	-	-
HORZ(TL): 0.007	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.323
Max BC CSI: 0.252
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	338	/-	/-	/248	/31	/123
D	90	/-	/-	/64	/-	/-
C	131	/-	/-	/74	/59	/-

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

Lumber

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

Wind

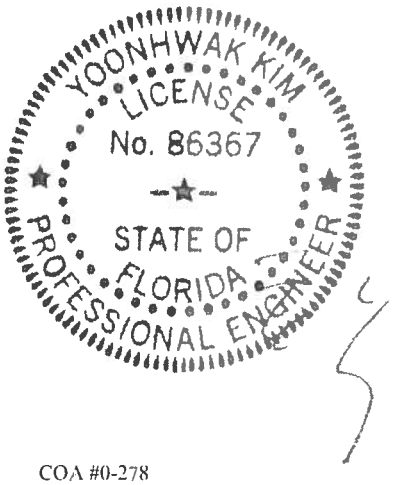
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-8-4.

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



COA #0-278
10/14/2019

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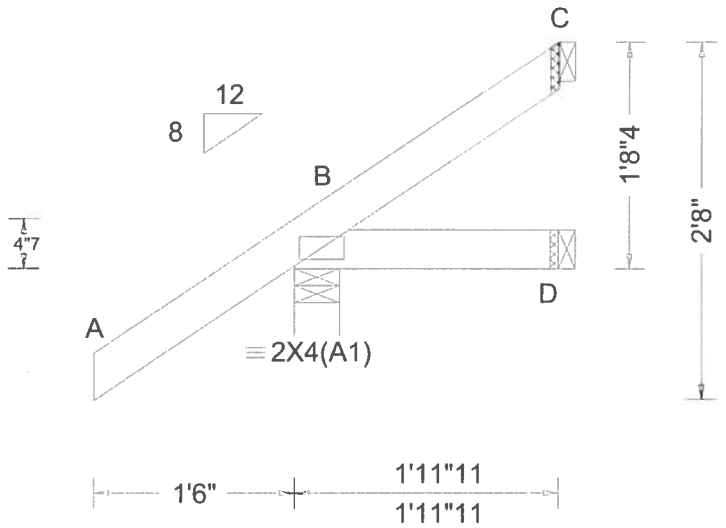
For more information see this job's general notes page and these web sites ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 289482 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J06	Cust: R 215 JRef: 1WPc2150004 T35 DrwNo: 287.19.1325.55010 / YK 10/14/2019



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: 0.187
Max BC CSI: 0.042
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	243	/-	/-	/195	/41	/65
D	28	/-	/-	/27	/8	/-
C	20	/-	/-	/22	/13	/-

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

Lumber

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

Wind

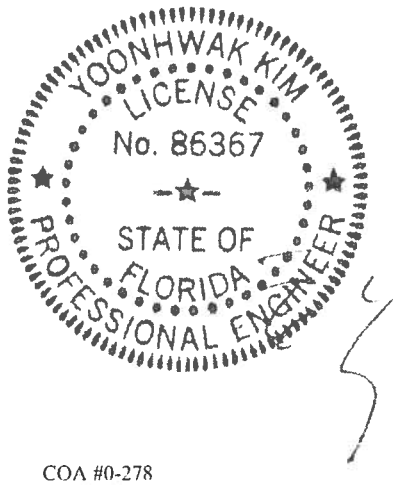
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-8-4.

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



COA #0-278
10/14/2019

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

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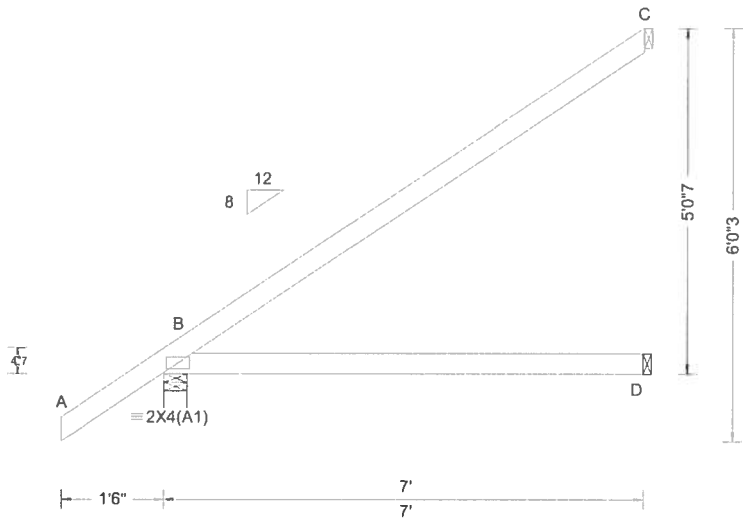
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing,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

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

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

SEQN: 289473 EJAC FROM: CDM	Ply: 1 Qty: 19	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J07	Cust: R 215 JRef: 1WPc2150004 T27 DrwNo: 287.19.1325.57900 / YK 10/14/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 D - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.027 D - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.747
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.527
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

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

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

Lumber

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

Wind

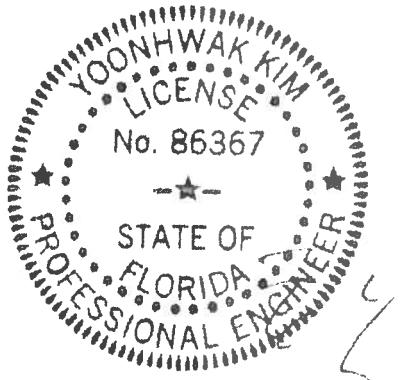
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-0-7.

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



COA #0-278
10/14/2019

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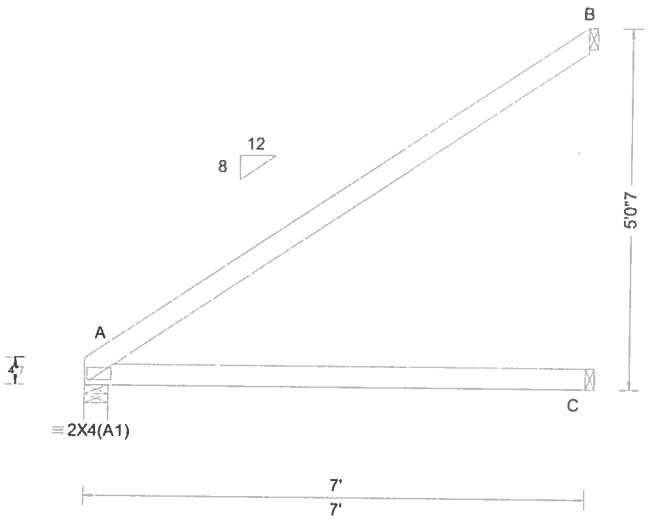
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289486 EJAC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J071	Cust: R 215 JRef: 1WPc2150004 T30 DrwNo: 287.19.1326.01443 / YK 10/14/2019



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): NA
VERT(CL): NA
HORZ(LL): 0.016 C - -
HORZ(TL): 0.033 C - -
Creep Factor: 2.0
Max TC CSI: 0.804
Max BC CSI: 0.549
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	300	/-	/-	/197	/-	/88
C	133	/-	/-	/98	/-	/-
B	200	/-	/-	/120	/46	/-

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

Wind

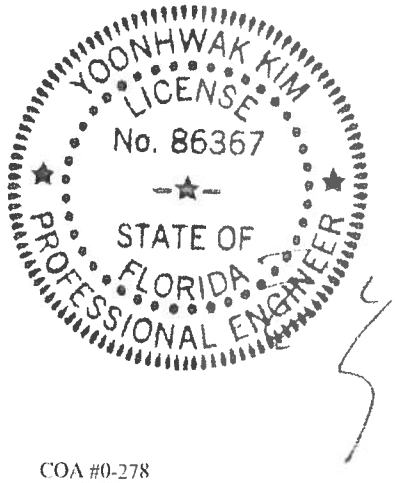
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-0-7.

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



COA #0-278
10/14/2019

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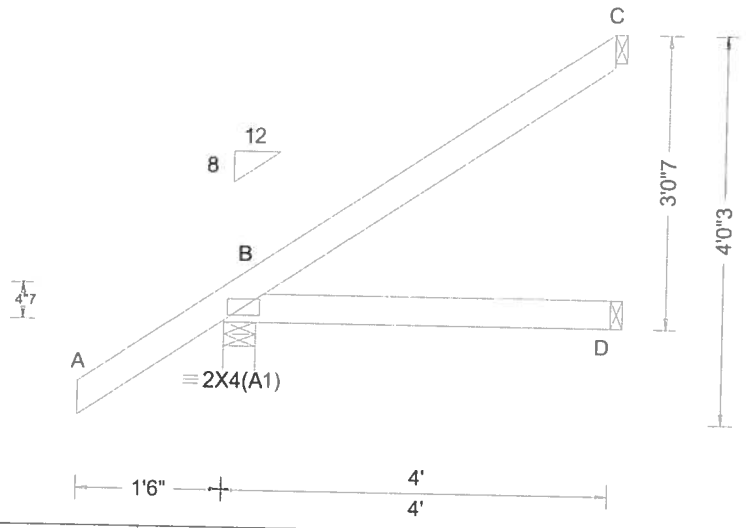
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289477 EJAC FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** J08	Cust: R 215 JRef: 1WPc2150004 T37 DrwNo: 287.19.1326.13583 / YK 10/14/2019



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

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

Creep Factor: 2.0
Max TC CSI: 0.204
Max BC CSI: 0.154
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

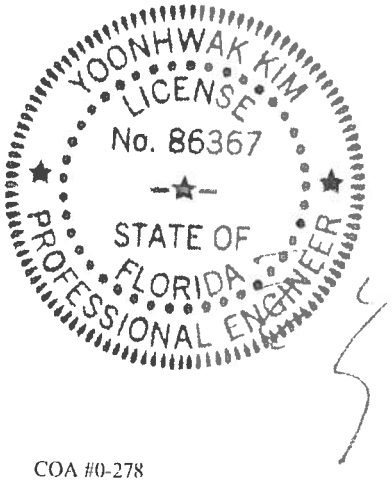
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	302	/-	/-	/225	/32	/104
D	71	/-	/-	/52	/-	/-
C	99	/-	/-	/54	/46	/-

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-0-7.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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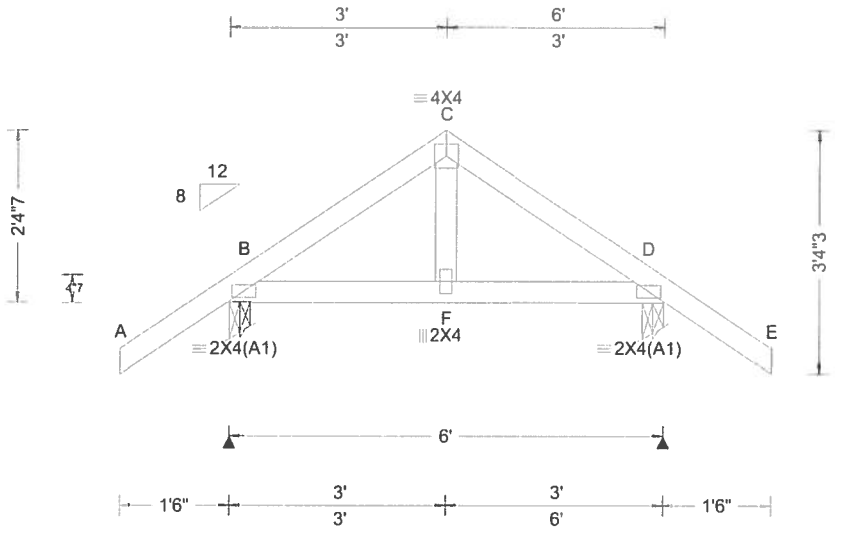
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289616 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** K01	Cust: R 215 JRef: 1WPc2150004 T21 DrwNo: 287.19.1326.24357 / YK 10/14/2019



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: 0.191
Max BC CSI: 0.069
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	355	/-	/-	/251	/62	/108
D	355	/-	/-	/251	/62	/-

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

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-4-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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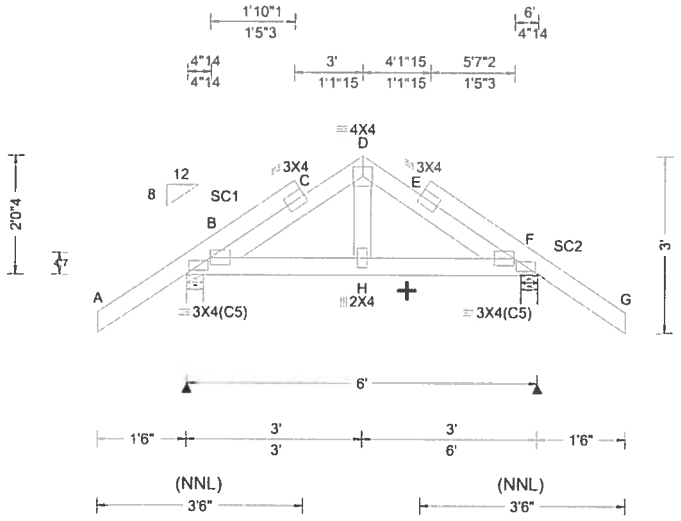
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289620 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** K02	Cust: R 215 JRef: 1WPc2150004 T22 DrwNo: 287.19.1326.41997 / YK 10/14/2019



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): 0.003	C	999	240
VERT(CL): 0.005	C	999	180
HORZ(LL): 0.002	E	-	-
HORZ(TL): 0.002	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.271
Max BC CSI: 0.085
Max Web CSI: 0.040

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	383	/-	/-	/279	/276	/118
F	383	/-	/-	/279	/276	/-

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#

Lumber

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

Plating Notes

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

Loading

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.

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.

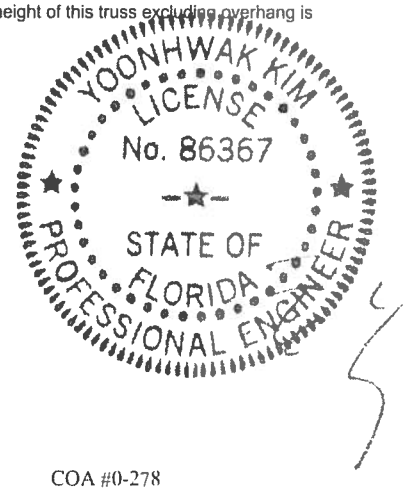
+ Member to be laterally braced for out of plane wind loads

Additional Notes

Refer to General Notes for additional information

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

The overall height of this truss excluding overhang is 2-0-4.



COA #0-278
10/14/2019

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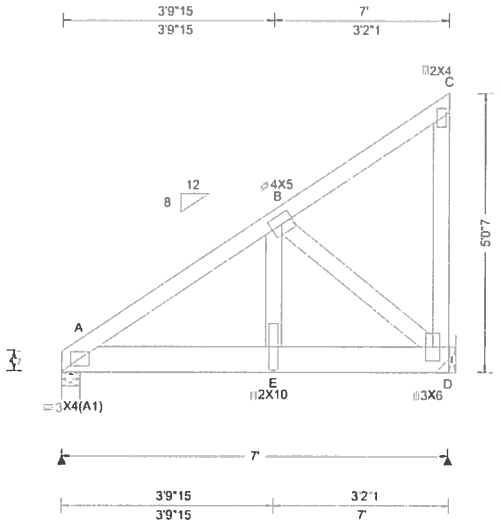
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289623 MONO FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** L01	Cust: R 215 JRef: 1WPc2150004 T23 DrwNo: 287.19.1326.45430 / YK 10/14/2019



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 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): 0.011	E	999	240
VERT(CL): 0.021	E	999	180
HORZ(LL): 0.005	E	-	-
HORZ(TL): 0.011	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.270
Max BC CSI: 0.331
Max Web CSI: 0.423

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1408	/-	/-	/-	/264	/-
D	939	/-	/-	/-	/177	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
D 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.
A - B	226	-1170

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	944	-173	E - D	916	-170

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - B	1110	-154	B - D	220	-1187

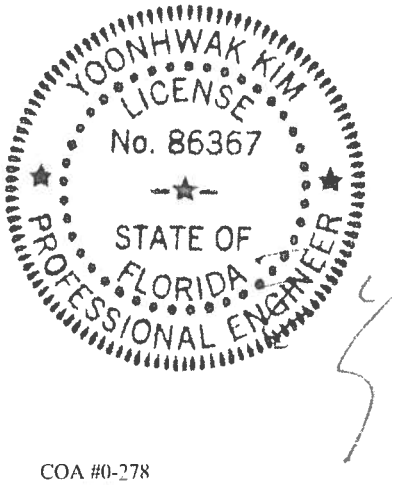
Lumber
Top chord 2x4 SP #2
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3

Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 7.00
BC: From 10 plf at 0.00 to 10 plf at 7.00
BC: 822 lb Conc. Load at 1.06
BC: 503 lb Conc. Load at 3.06, 5.06

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5-0-7.



COA #0-278
10/14/2019

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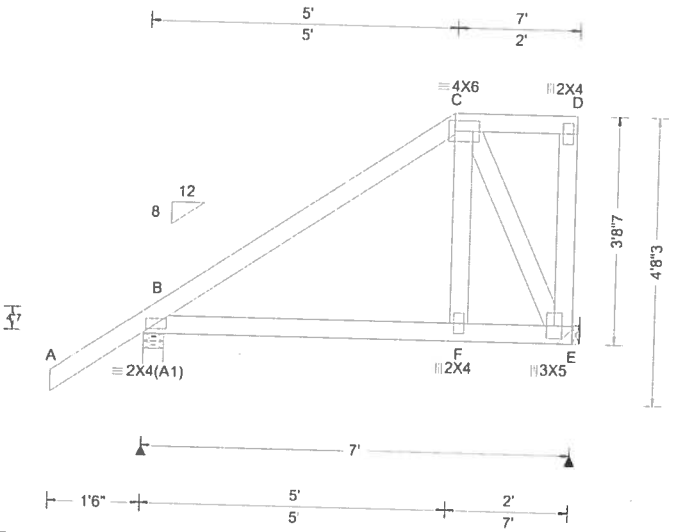
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289502 HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** L02	Cust: R 215 JRef: 1WPc2150004 T28 DrwNo: 287.19.1326.49833 / YK 10/14/2019



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

Creep Factor: 2.0
Max TC CSI: 0.314
Max BC CSI: 0.216
Max Web CSI: 0.077

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	417	/-	/-	/300	/52	/123
E	274	/-	/-	/166	/68	/-

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#

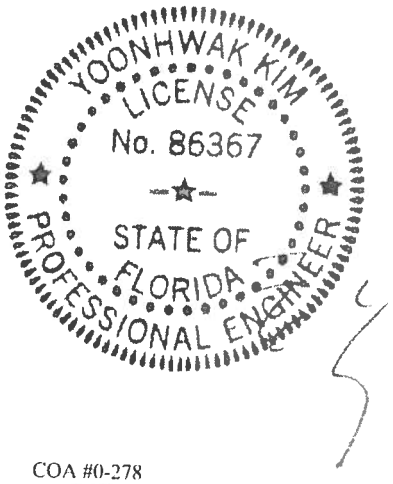
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
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 3-8-7.



COA #0-278
10/14/2019

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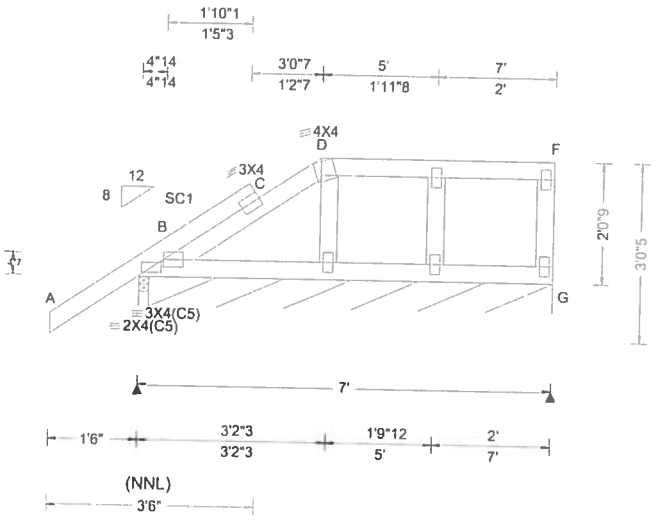
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289626 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** L03	Cust: R 215 JRef: 1WPc2150004 T34 DrwNo: 287.19.1326.51430 / YK 10/14/2019



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): -0.004	C	999	240
VERT(CL): 0.007	C	999	180
HORZ(LL): -0.002	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.271
Max BC CSI: 0.061
Max Web CSI: 0.062

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	302	/-	/-	/229	/189	/201
B*	64	/-	/-	/34	/40	/-

Wind reactions based on MWFRS
B Brg Width = 2.0 Min Req = 1.5
B Brg Width = 82.0 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:

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.

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.
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.
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 3x4
The overall height of this truss, including overhangs is 2-0-9.

YOONHWAN KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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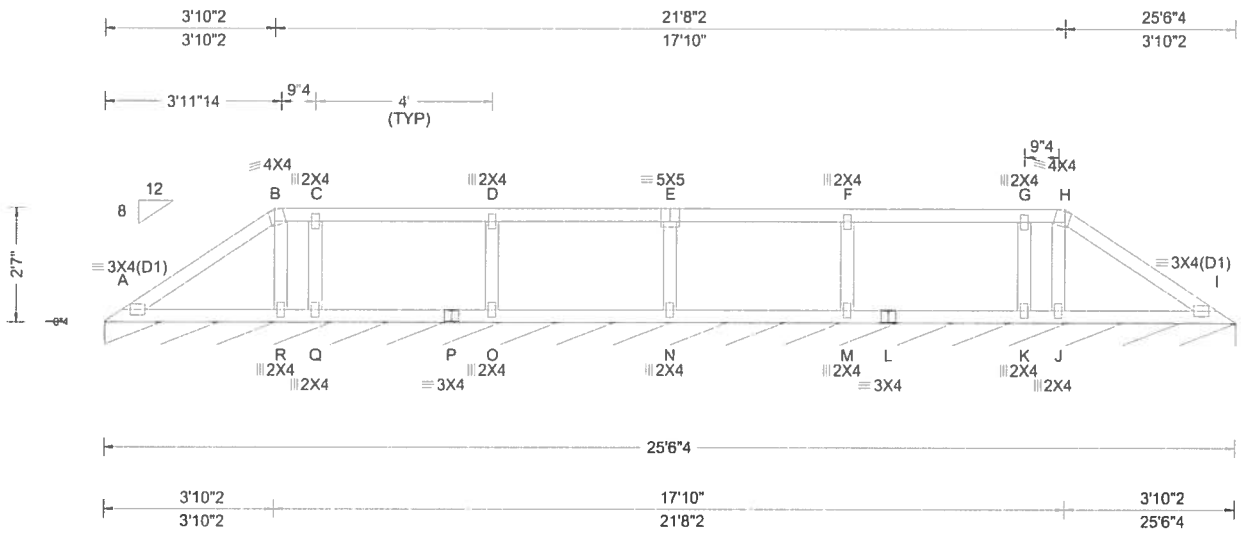
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289629 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V1	Cust: R 215 JRef: 1WPc2150004 T17 DrwNo: 287.19.1326.53963 / YK 10/14/2019



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): 0.007	R	999	240
VERT(CL): 0.014	R	999	180
HORZ(LL): -0.003	J	-	-
HORZ(TL): 0.007	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.246
Max BC CSI: 0.130
Max Web CSI: 0.054

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	83	/-	/-	/41	/14	/2

Wind reactions based on MWFRS
I Brg Width = 306 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-7-0.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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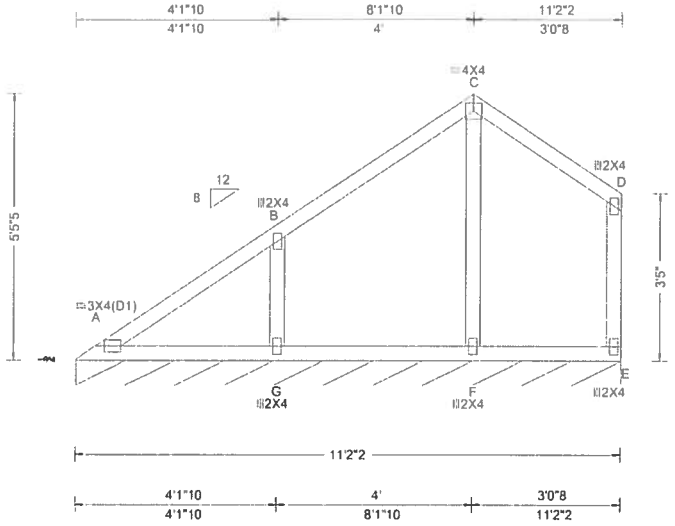
ALPINE
A MiTek COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289594 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V10	Cust: R 215 JRef: 1WPc2150004 T49 DrwNo: 287.19.1326.54923 / YK 10/14/2019



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): 0.005	G	999	240
VERT(CL): 0.011	G	999	180
HORZ(LL): -0.003	D	-	-
HORZ(TL): 0.004	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.284
Max BC CSI: 0.159
Max Web CSI: 0.099

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/51	/12	/10

Wind reactions based on MWFRS
E Brg Width = 134 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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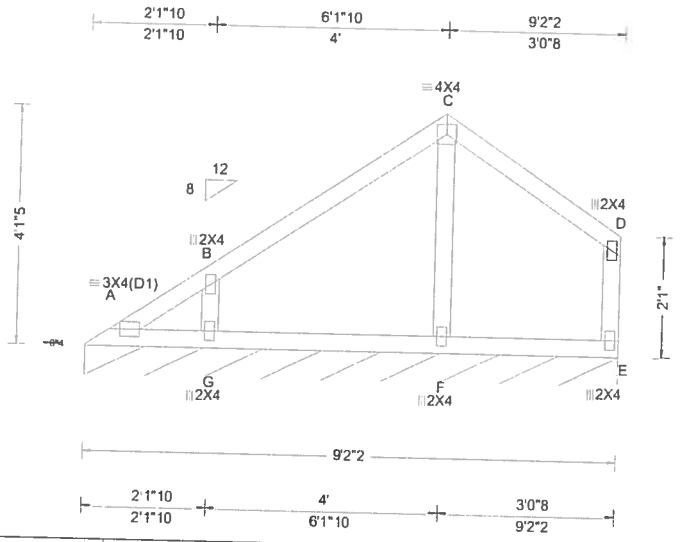
Orlando FL, 32821

SEQN: 289595 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V11	Cust: R 215 JRef: 1WPc2150004 T48 DrwNo: 287.19.1326.55800 / YK 10/14/2019



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	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: 0.209
Max BC CSI: 0.105
Max Web CSI: 0.060

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/49	/12	/10

Wind reactions based on MWFRS
E Brg Width = 110 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

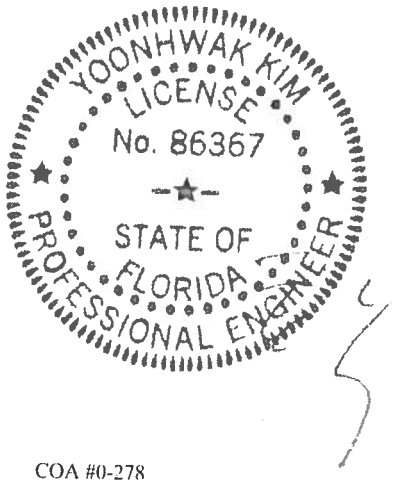
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0-278
10/14/2019

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

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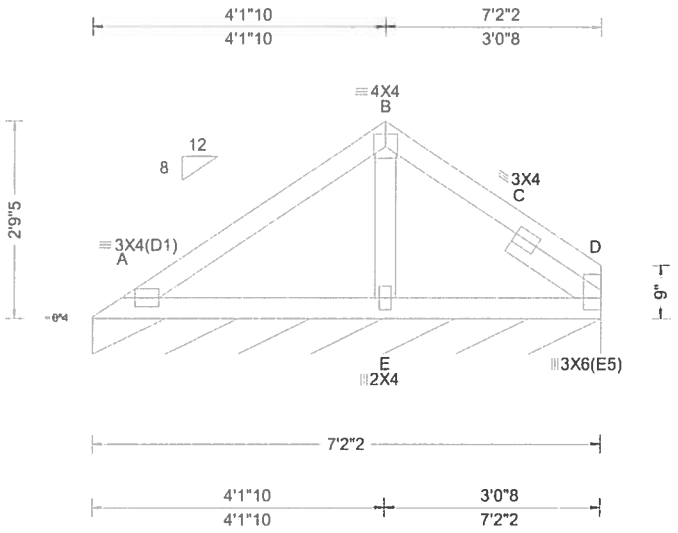
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 289644 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V12	Cust: R 215 JRef: 1WPc2150004 T15 DrwNo: 287.19.1326.56777 / YK 10/14/2019



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: 15.03 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	C	999	240
VERT(CL): 0.018	C	999	180
HORZ(LL): -0.007	C	-	-
HORZ(TL): 0.015	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.200
Max BC CSI: 0.160
Max Web CSI: 0.081

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	83	/-	/-	/46	/12	/9

Wind reactions based on MWFRS
D Brg Width = 86.1 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
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

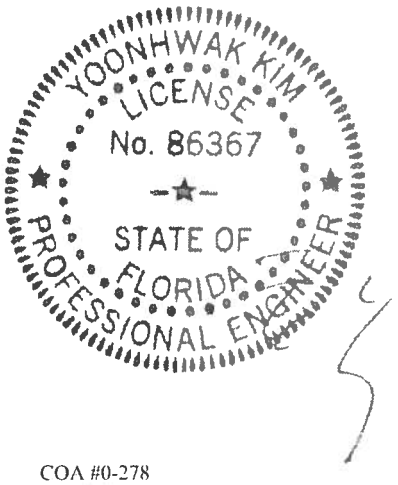
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-9-5.



COA #0-278
10/14/2019

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

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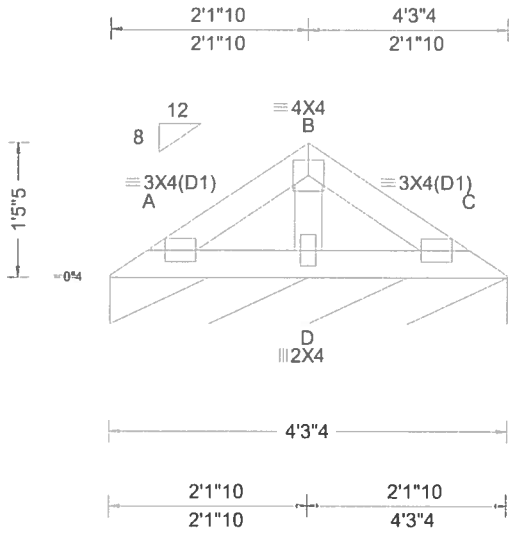
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289505 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V13	Cust: R 215 JRef: 1WPc2150004 T50 DrwNo: 287.19.1326.57700 / YK 10/14/2019



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: 15.69 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): 0.002	D	999	180
HORZ(LL): -0.000	D	-	-
HORZ(TL): 0.001	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.049
Max BC CSI: 0.035
Max Web CSI: 0.026

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	/9	/7

Wind reactions based on MWFRS
C Brg Width = 51.2 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

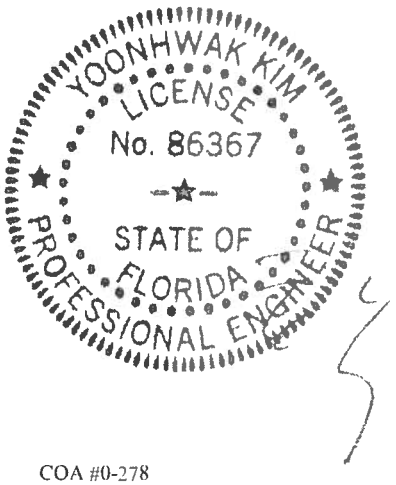
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0-278
10/14/2019

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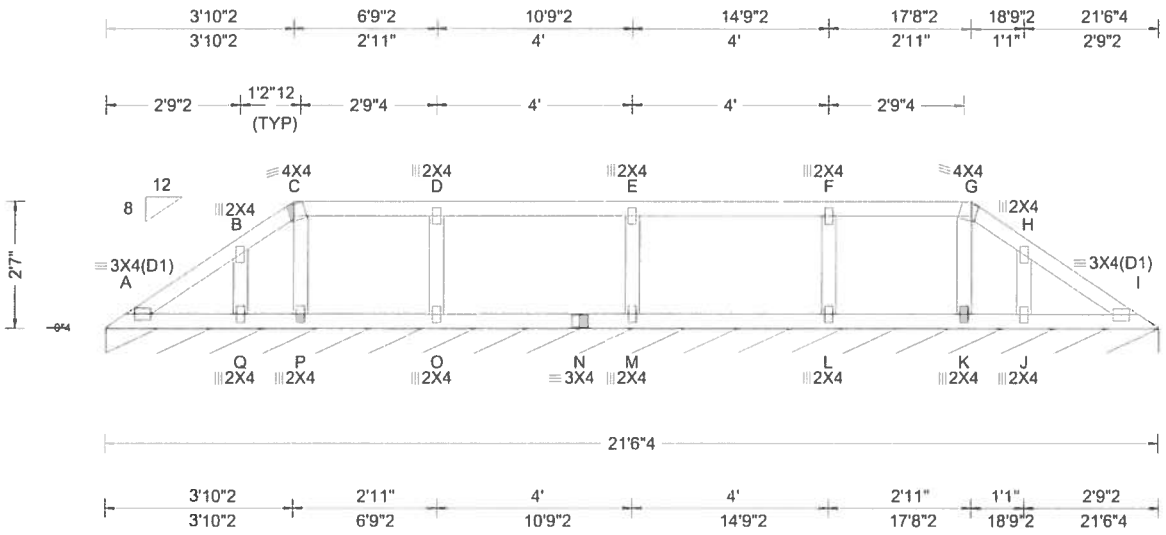
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289632 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V2	Cust: R 215 JRef: 1WPc2150004 T31 DrwNo: 287.19.1326.58580 / YK 10/14/2019



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

Creep Factor: 2.0
Max TC CSI: 0.178
Max BC CSI: 0.090
Max Web CSI: 0.054

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	83	/-	/-	/41	/14	/3

Wind reactions based on MWFRS
I Brg Width = 258 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Purlins

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

Wind

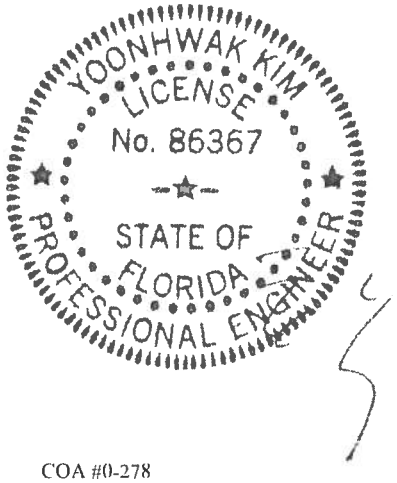
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-7-0.



COA #0-278
10/14/2019

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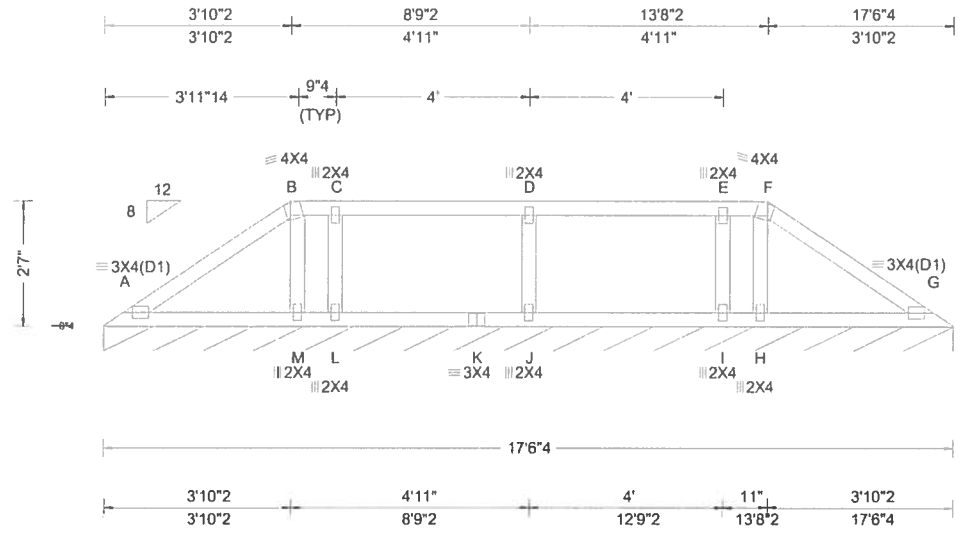
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289635 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V3	Cust: R 215 JRef: 1WPc2150004 T40 DrwNo: 287.19.1326.59463 / YK 10/14/2019



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): 0.006	M	999	240
VERT(CL): 0.013	M	999	180
HORZ(LL): -0.003	H	-	-
HORZ(TL): 0.006	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.263
Max BC CSI: 0.129
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
G*	83	/-	/-	/41	/13	/4

Wind reactions based on MWFRS
G Brg Width = 210 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Purlins

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

Wind

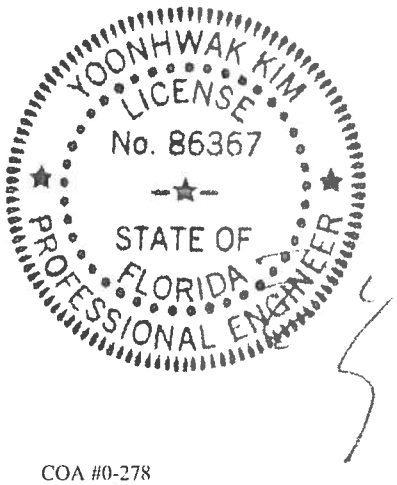
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-7-0.



COA #0-278
10/14/2019

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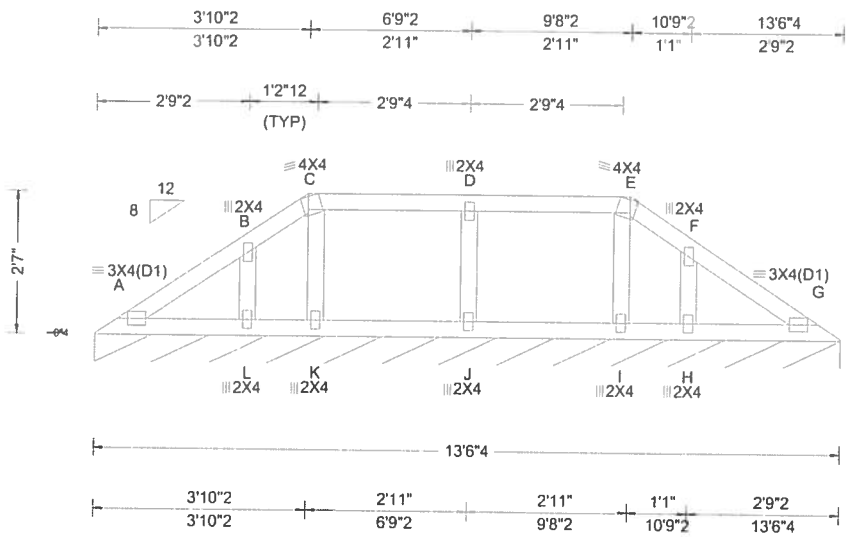
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289638 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V4	Cust: R 215 JRef: 1WPc2150004 T41 DrwNo: 287.19.1327.00357 / YK 10/14/2019



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: 16.07 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): 0.002	L	999	240
VERT(CL): 0.004	L	999	180
HORZ(LL): -0.001	H	-	-
HORZ(TL): 0.002	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.167
Max BC CSI: 0.056
Max Web CSI: 0.047

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G*	83	/-	/-	/42	/13	/5

Wind reactions based on MWFRS
G Brg Width = 162 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Purlins

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

Wind

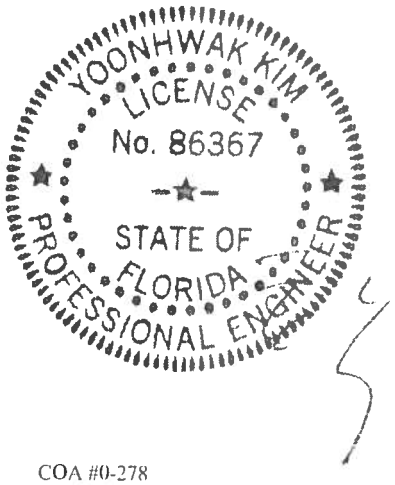
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-7-0.



COA #0-278
10/14/2019

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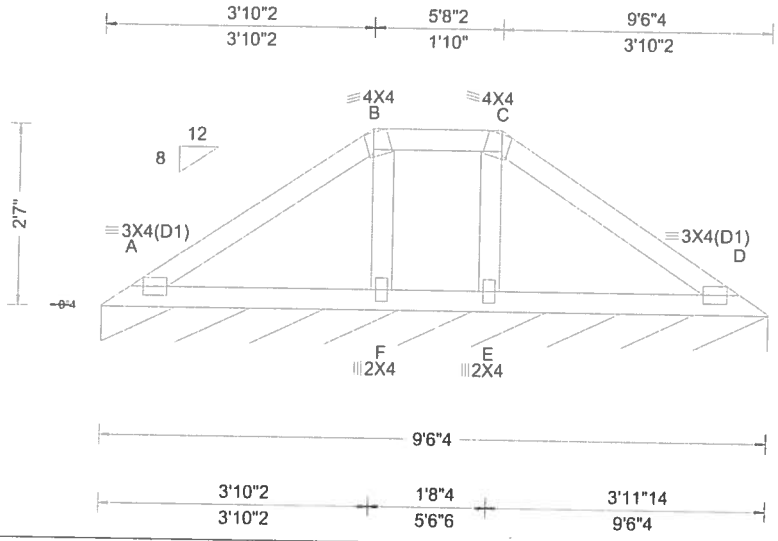
For more information see this job's general notes page and these web sites: ALPINE www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 289641 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V5	Cust: R 215 JRef: 1WPc2150004 T42 DrwNo: 287.19.1327.01180 / YK 10/14/2019



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: 17.40 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): 0.006	F	999	240
VERT(CL): 0.013	F	999	180
HORZ(LL): -0.003	E	-	-
HORZ(TL): 0.007	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.213
Max BC CSI: 0.108
Max Web CSI: 0.051

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	82	/-	/-	/42	/15	/7

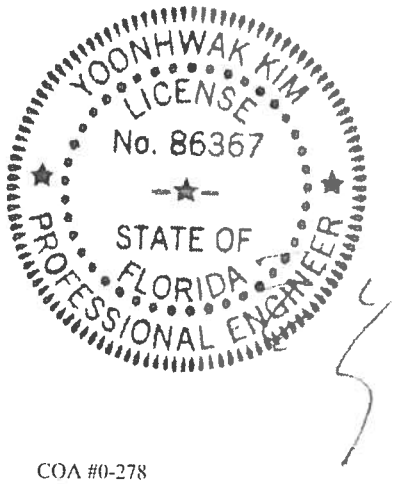
Wind reactions based on MWFRS
D Brg Width = 114 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

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

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

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

Additional Notes
Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2-7-0.



COA #0-278
10/14/2019

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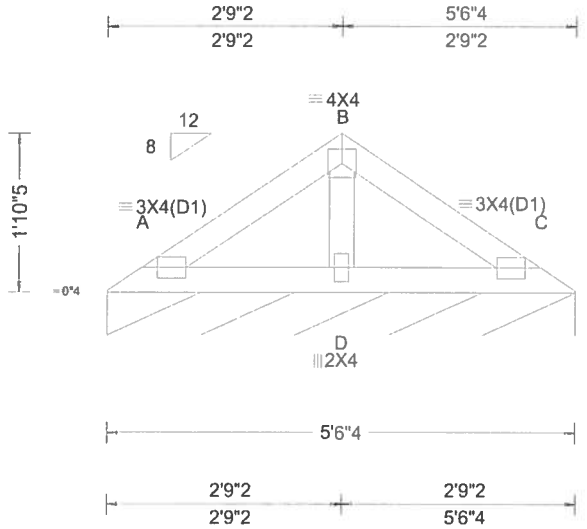
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289526 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V6	Cust: R 215 JRef: 1WPc2150004 T43 DrwNo: 287.19.1327.01980 / YK 10/14/2019



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: 18.37 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	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: 0.092
Max BC CSI: 0.072
Max Web CSI: 0.040

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	81	/-	/-	/41	/14	/8

Wind reactions based on MWFRS
C Brg Width = 66.2 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 1-10-5.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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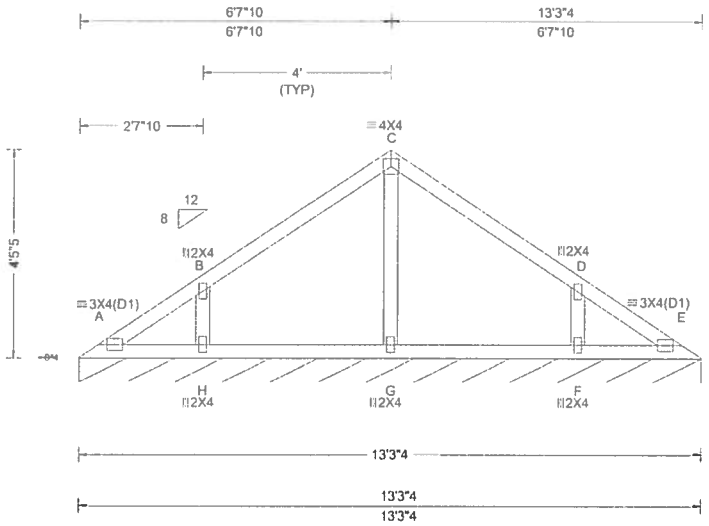
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289509 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V7	Cust: R 215 JRef: 1WPc2150004 T44 DrwNo: 287.19.1327.02797 / YK 10/14/2019



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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 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

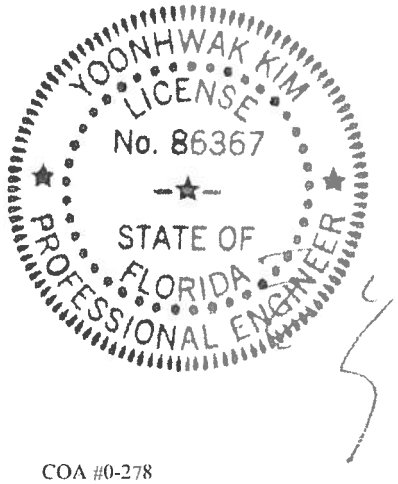
Wind loads based on MWFRS with additional C&C member design.

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.



COA #0-278
10/14/2019

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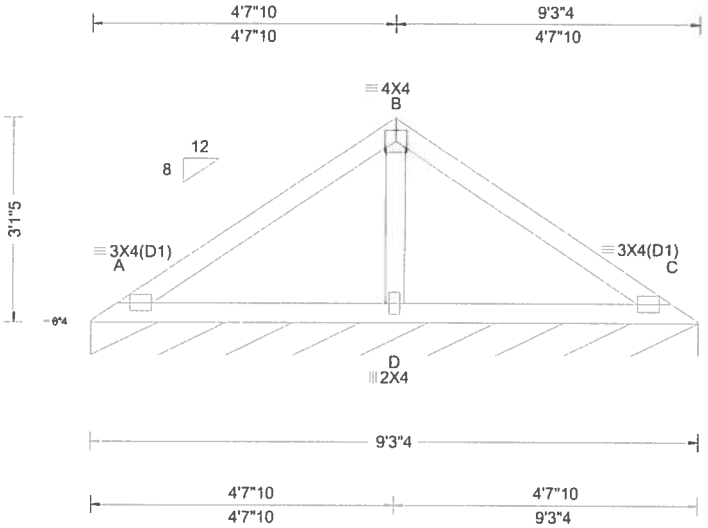
ALPINE
An ITW Company
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289490 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V8	Cust: R 215 JRef: 1WPc2150004 T45 DrwNo: 287.19.1327.03657 / YK 10/14/2019



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): 0.010	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

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ 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#

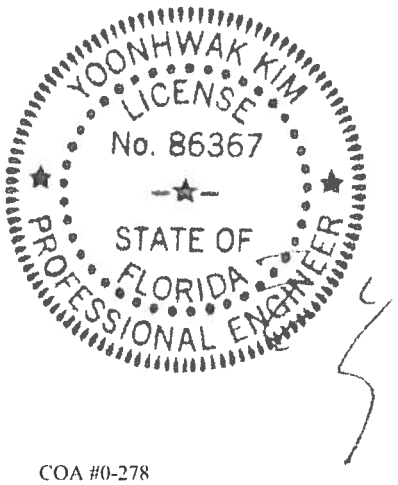
Maximum Web Forces Per Ply (lbs)

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.



COA #0-278
10/14/2019

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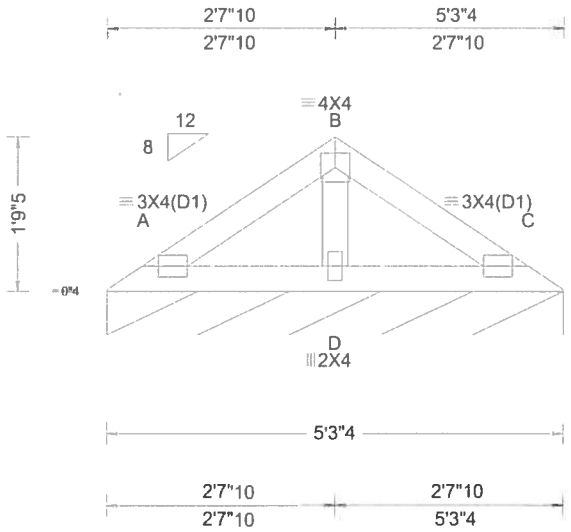
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289521 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V9	Cust: R 215 JRef: 1WPc2150004 T46 DrwNo: 287.19.1327.04743 / YK 10/14/2019



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

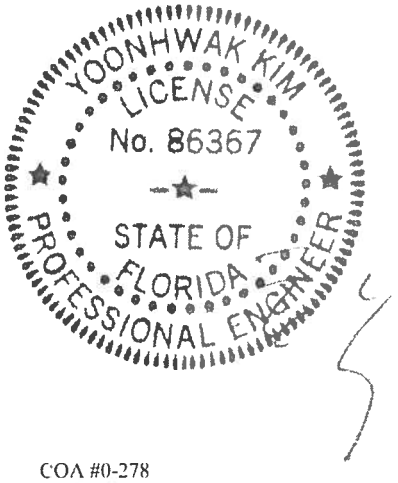
Wind loads based on MWFRS with additional C&C member design.

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.



COA #0-278
10/14/2019

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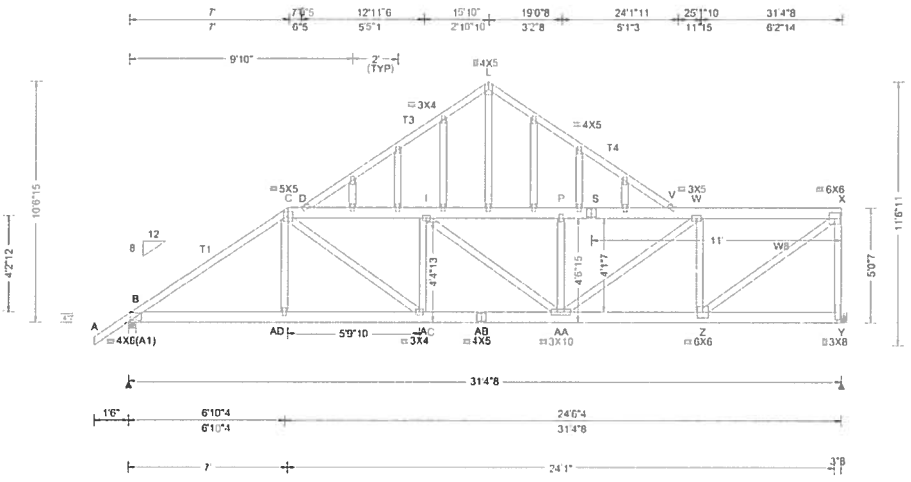
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290334 GABL	Ply: 2	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T54
FROM: CDM	Qty: 1	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1327.20083
Page 1 of 2		**Truss Label:** A04	/ YK 10/14/2019

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	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: 3.14 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): 0.104	F	999	240
VERT(CL): 0.214	F	999	180
HORZ(LL): 0.040	E	-	-
HORZ(TL): 0.082	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.232
Max BC CSI: 0.212
Max Web CSI: 0.670

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	3621	/-	/-	/-	/790	/-
Y	4163	/-	/-	/-	/915	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
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	639	-2940	L - V	135	-563
C - D	648	-3055	P - S	561	-2665
D - L	130	-554	S - V	559	-2660
D - I	566	-2688	V - W	647	-3048
I - P	562	-2668	W - X	490	-2271

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AD	2397	-517	AB-AA	3090	-660
AD-AC	2387	-517	AA- Z	2363	-515
AC-AB	3090	-660			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AC	874	-173	Z - X	2841	-613
AA- W	864	-167	X - Y	461	-1961
W - Z	386	-1456			

Lumber

Top chord 2x6 SP 2400f-2.0E
:T1 2x4 SP M-31:
:T3, T4 2x4 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3
:W8 2x4 SP M-31:

Nailnote

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

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 31.38
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 31.38
TC: 273 lb Conc. Load at 7.03
TC: 193 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06
BC: 467 lb Conc. Load at 7.03
BC: 131 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

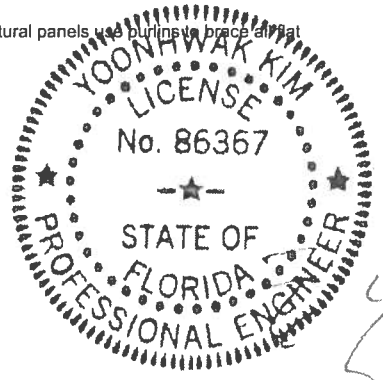
(J) Hanger Support Required, by others

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.

Purlins

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



COA #0-278
10/14/2019

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

SEQN: 290334 GABL	Ply: 2	**Job Number:** 19-3616	Cust: R 215 JRef: 1WPc2150004 T54
FROM: CDM	Qty: 1	/LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION	DrwNo: 287.19.1327.20083
Page 2 of 2		**Truss Label:** A04	/ YK 10/14/2019

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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

The overall height of this truss excluding overhang is 10-6-15.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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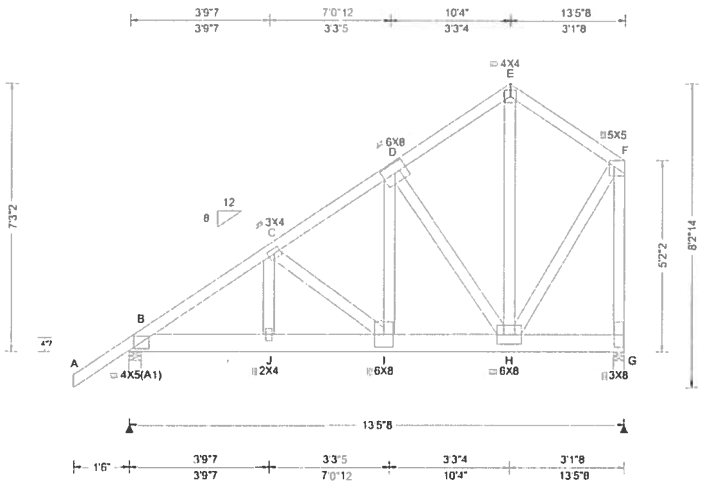
ALPINE
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290346 COMN FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** D02	Cust: R 215 JRef: 1WPc2150004 T5 DrwNo: 287.19.1327.31190 / YK 10/14/2019

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): 0.052	I	999	240
VERT(CL): 0.104	I	999	180
HORZ(LL): 0.015	C	-	-
HORZ(TL): 0.030	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.246
Max BC CSI: 0.324
Max Web CSI: 0.840

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	3356	/-	/-	/-	/700	/-
G	5926	/-	/-	/-	/1108	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 3.5 Min Req = 2.5
Bearings B & 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	542	-2645	D - E	257	-1294
C - D	551	-2671	E - F	256	-1291

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	2170	-440	I - H	2102	-429
J - I	2174	-441			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	2202	-451	H - F	1929	-375
D - H	398	-1860	F - G	466	-2356
E - H	1288	-228			

Lumber

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

Nailnote

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

Special Loads

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

TC: From	64 plf at	-1.50 to	64 plf at	13.46
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.06
BC: From	10 plf at	7.06 to	10 plf at	13.46

BC: 4163 lb Conc. Load at 7.13
BC: 1312 lb Conc. Load at 9.06
BC: 1315 lb Conc. Load at 11.06
BC: 1322 lb Conc. Load at 13.06

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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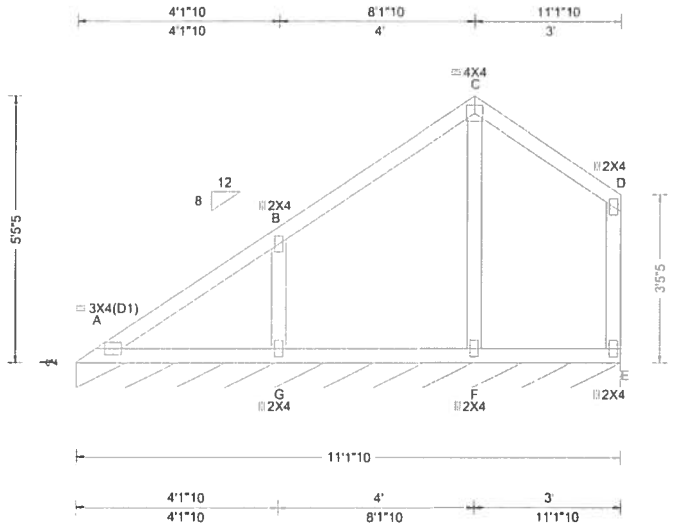
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290337 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V10	Cust: R 215 JRef: 1WPc2150004 T18 DrwNo: 287.19.1327.32923 / YK 10/14/2019



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): 0.005	G	999	240
VERT(CL): 0.011	G	999	180
HORZ(LL): -0.003	D	-	-
HORZ(TL): 0.004	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.284
Max BC CSI: 0.159
Max Web CSI: 0.099

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/51	/12	/10

Wind reactions based on MWFRS
E Brg Width = 133 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 5-5-5.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA #0-278
10/14/2019

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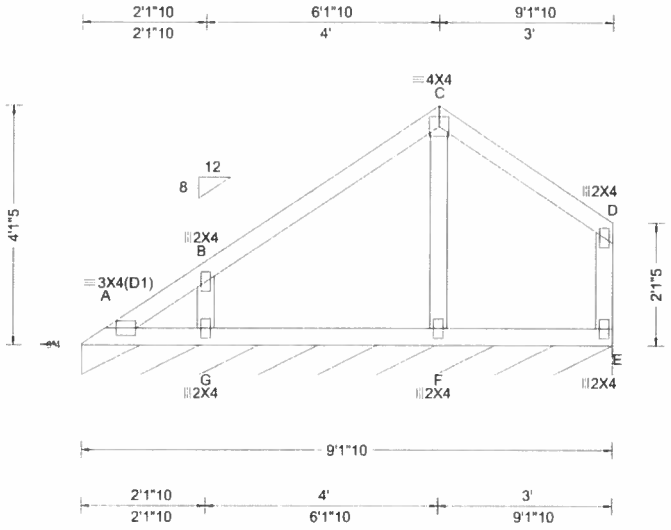
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290340 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V11	Cust: R 215 JRef: 1WPc2150004 T55 DrwNo: 287.19.1327.33953 / YK 10/14/2019



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	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: 0.209
Max BC CSI: 0.104
Max Web CSI: 0.060

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/49	/12	/10

Wind reactions based on MWFRS
E Brg Width = 109 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

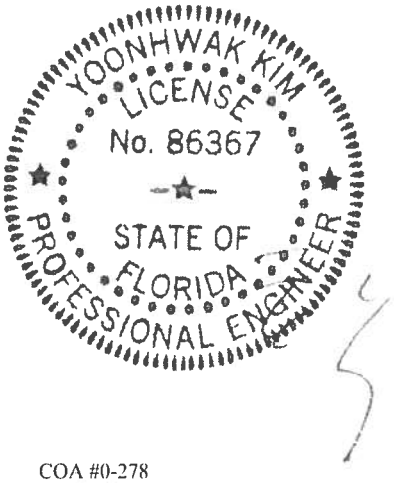
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0-278
10/14/2019

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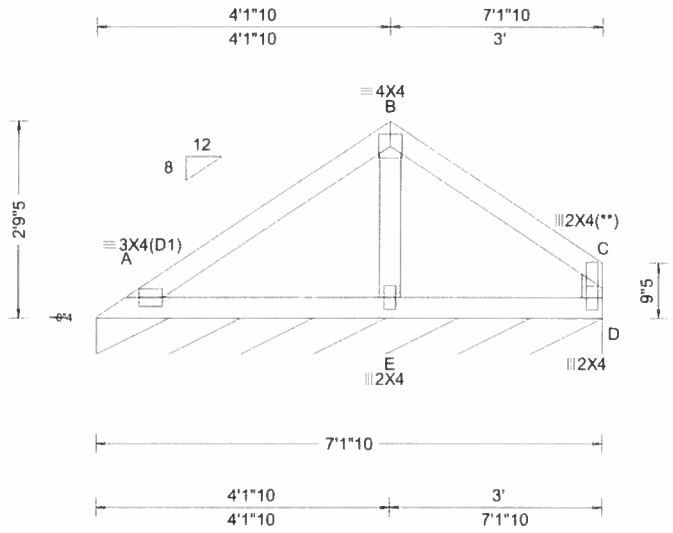
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290343 VAL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3616 /LOT 17 LEWEL LAKE / MOD B /S&S CONSTRUCTION **Truss Label:** V12	Cust: R 215 JRef: 1WPc2150004 T56 DrwNo: 287.19.1327.37513 / YK 10/14/2019



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: 15.03 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	E	999	240
VERT(CL): 0.018	E	999	180
HORZ(LL): 0.003	E	-	-
HORZ(TL): 0.006	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.204
Max BC CSI: 0.203
Max Web CSI: 0.041

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	83	/-	/-	/46	/12	/9

Wind reactions based on MWFRS
D Brg Width = 85.6 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

Plating Notes

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

Wind

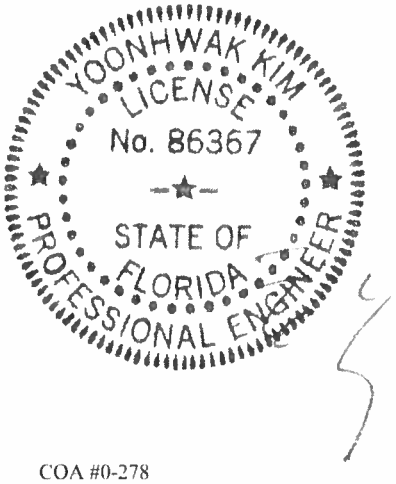
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-9-5.



COA #0-278
10/14/2019

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Suite 305
Orlando FL, 32821

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforecement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

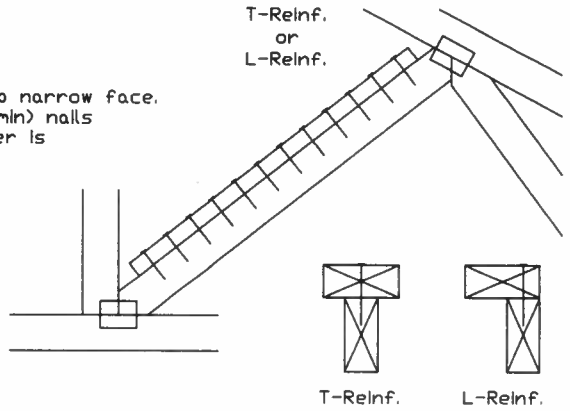
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(*) Center scab on wide face of web. Apply (1) scab to each face of web.

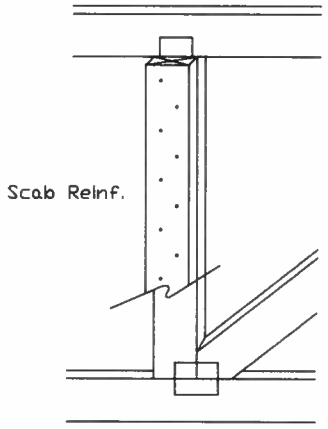
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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LICENSE
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PROFESSIONAL ENGINEER

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13723 Riverport Drive
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Maryland Heights, MO 63043

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

10-14-2019
COA #0-278

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

Bracing Group Species and Grades:

Group A:

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

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch	
#3	
Stud	
Standard	

Southern Pine***	
#3	
Stud	
Standard	

Group B:

Hem-Fir	
#1 & Btr	
#1	

Douglas Fir-Larch	
#1	
#2	

Southern Pine***	
#1	
#2	

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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

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

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

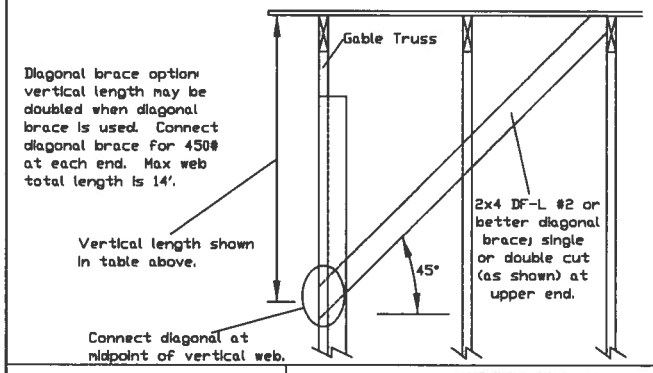
** For (2) 'L' braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

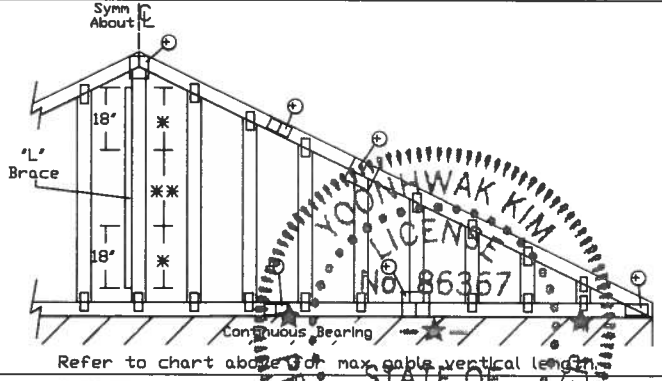
'L' bracing must be a minimum of 80% of web member length.

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

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

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





Refer to chart above for max gable vertical length.

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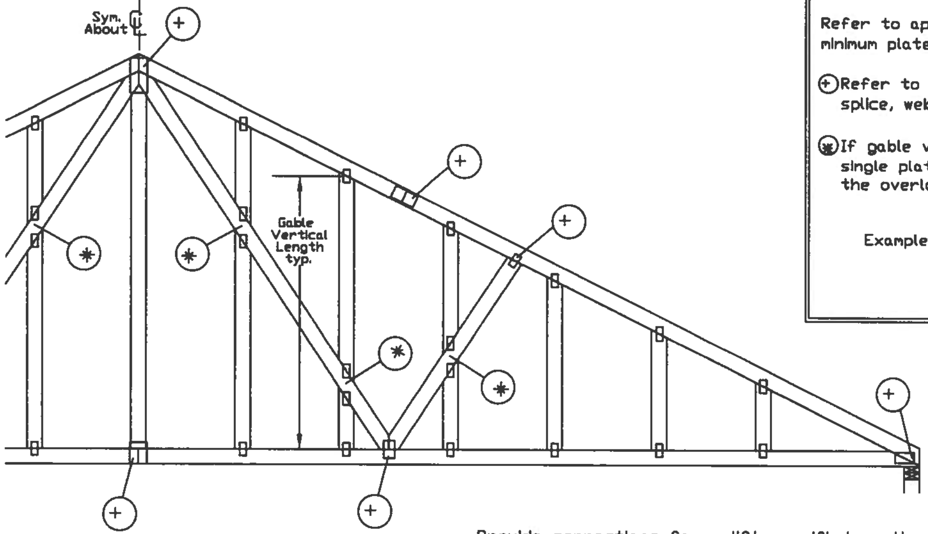
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

Gable Detail
For Let-in Verticals



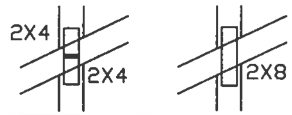
Gable Truss Plate Sizes

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

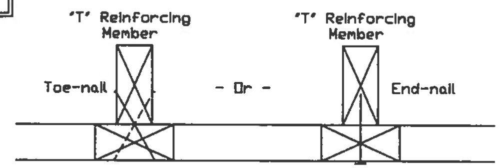
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

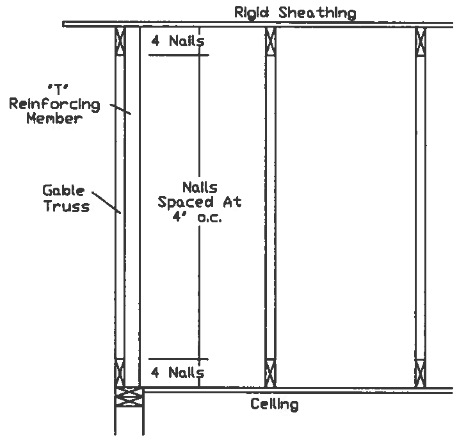
(*) If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



'T' Reinforcement Attachment Detail





Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:
  10d Common (0.148"x 3.",min) Nails at 4' o.c. plus
  (4) nails in the top and bottom chords.

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

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,
A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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

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

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

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mbr. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24"o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (From Above) = 30% = 1.30
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

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STATE OF FLORIDA PROFESSIONAL ENGINEER — No. 86367 — KIM

1/14/2019

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.

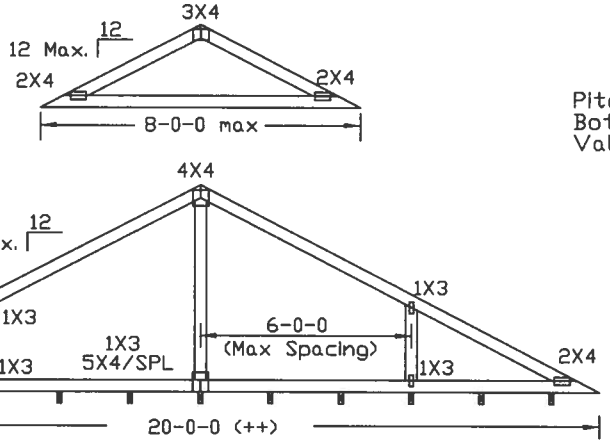
All plates shown are ITW BCG Wave Plates.

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.

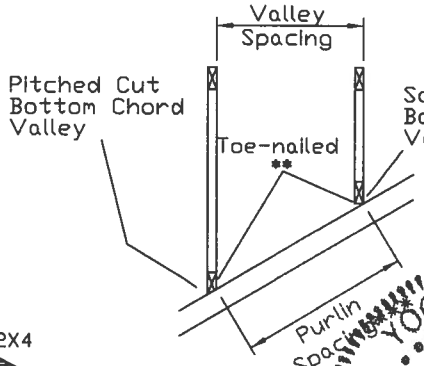
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed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

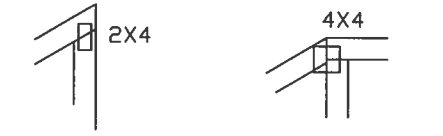
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

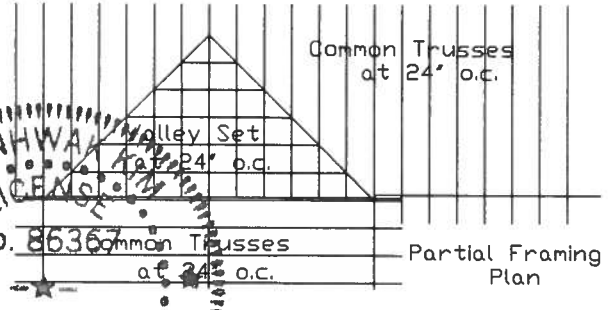
++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



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







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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 & 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 Sec2.

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

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

10/14/2014
COA #0-278

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Lot 17 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)	1536
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:		3.969 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (1536.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1536.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1654.5 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1479.00 ft²
b. Frame - Wood, Adjacent	R=13.0	175.50 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1613.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	1613.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	384

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	18.1	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	25.2	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: 0.125

Total Proposed Modified Loads: 44.01
Total Baseline Loads: 45.53

PASS

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

PREPARED BY: _____
DATE: 9/24/2019

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
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 17 Jewel Lake	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1536	Lot #	17
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	1536	13824

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1536	13824	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	181.5 ft	0	1536 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	1846 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	1536 ft²	Y	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Double Batt	1613 ft²	0.11	Wood

FORM R405-2017

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	16	8	9		150.0 ft²		0.23	0.75	0
____	2	E	Exterior	Frame - Wood	Main	13	2		9		18.0 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	2		9		18.0 ft²		0.23	0.75	0
____	5	S	Exterior	Frame - Wood	Main	13	10	10	9		97.5 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	38	0	9		342.0 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	7	0	9		63.0 ft²		0.23	0.75	0
____	12	N	Exterior	Frame - Wood	Main	13	18	0	9		162.0 ft²		0.23	0.75	0
____	13	N	Exterior	Frame - Wood	Main	13	7	10	9		70.5 ft²		0.23	0.75	0
____	14	W	Exterior	Frame - Wood	Main	13	28	8	9		258.0 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	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	16.0 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	30.0 ft²	10 ft 2 in	1 ft 0 in	None	None
_____	8	N	13	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	2 ft 0 in	None	None
_____	9	W	11	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	9 ft 0 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	1152	63.24	118.94	.1128	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.2	25.22 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 14	18.13 kBtu/hr	540 cfm	0.7	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.92	50 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	384 ft²	Attic	76.8 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]	[ ]

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

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

MASS

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* =97

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

1. New home or, addition	1.	New (From Plans)
2. Single-family or multiple-family	2.	Single-family
3. No. of units (if multiple-family)	3.	1
4. Number of bedrooms	4.	3
5. Is this a worst case? (yes/no)	5.	No
6. Conditioned floor area (sq. ft.)	6.	1536
7. Windows, type and area		
a) U-factor:(weighted average)	7a.	0.360
b) Solar Heat Gain Coefficient (SHGC)	7b.	0.250
c) Area	7c.	192.0
8. Skylights		
a) U-factor:(weighted average)	8a.	NA
b) Solar Heat Gain Coefficient (SHGC)	8b.	NA
9. Floor type, insulation level:		
a) Slab-on-grade (R-value)	9a.	0.0
b) Wood, raised (R-value)	9b.	
c) Concrete, raised (R-value)	9c.	
10. Wall type and insulation:		
A. Exterior:		
1. Wood frame (Insulation R-value)	10A1.	13.0
2. Masonry (Insulation R-value)	10A2.	
B. Adjacent:		
1. Wood frame (Insulation R-value)	10B1.	13.0
2. Masonry (Insulation R-value)	10B2.	
11. Ceiling type and insulation level		
a) Under attic	11a.	38.0
b) Single assembly	11b.	
c) Knee walls/skylight walls	11c.	
d) Radiant barrier installed	11d.	Yes

12. Ducts, location & insulation level		
a) Supply ducts	R	6.0
b) Return ducts	R	6.0
c) AHU location		Garage
13. Cooling system:	Capacity	18.1
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	25.2
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: 17

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 ÷ 13824 = _____
CFM(50) Building Volume ACH(50)

☐ **PASS**

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

Method for calculating building volume:

○ Retrieved from architectural plans

● Code software calculated

○ Field measured and calculated

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

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

Testing Company

Company Name: _____ Phone: _____

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

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

Residential System Sizing Calculation

Summary

Project Title:
Lot 17 Jewel Lake

Lake City, FL 32025

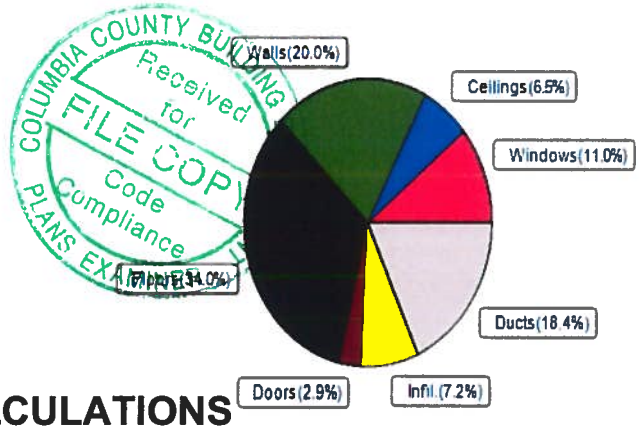
9/24/2019

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	**25217**	**Btuh**	**Total cooling load calculation**	**18135**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	100.0	25217	Sensible (SHR = 0.70)	85.9	12694
Heat Pump + Auxiliary(0.0kW)	100.0	25217	Latent	161.7	5440
			Total (Electric Heat Pump)	100.0	18135

WINTER CALCULATIONS

Winter Heating Load (for 1536 sqft)

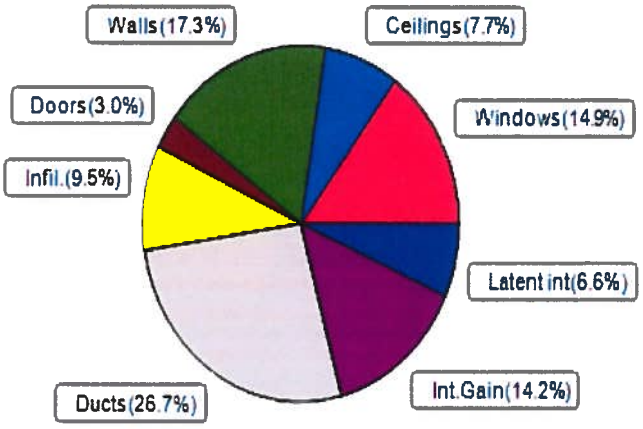
Load component			Load	
Window total	192	sqft	2765	Btuh
Wall total	1423	sqft	5050	Btuh
Door total	40	sqft	736	Btuh
Ceiling total	1613	sqft	1638	Btuh
Floor total	1536	sqft	8567	Btuh
Infiltration	42	cfm	1820	Btuh
Duct loss			4641	Btuh
Subtotal			**25217**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**25217**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1536 sqft)

Load component			Load	
Window total	192	sqft	2707	Btuh
Wall total	1423	sqft	3130	Btuh
Door total	40	sqft	552	Btuh
Ceiling total	1613	sqft	1392	Btuh
Floor total			0	Btuh
Infiltration	31	cfm	649	Btuh
Internal gain			2580	Btuh
Duct gain			3761	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**14770**	**Btuh**
Latent gain(ducts)			1088	Btuh
Latent gain(infiltration)			1076	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**3364**	**Btuh**
TOTAL HEAT GAIN			**18135**	**Btuh**



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EnergyGauge® System Sizing
PREPARED BY:
DATE: 9/24/2019

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Lot 17 Jewel Lake
Building Type: User

Lake City, FL 32025

9/24/2019

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	16.0	14.4	230 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	30.0	14.4	432 Btuh
8	2, NFRC 0.25	Vinyl	0.36	N	30.0	14.4	432 Btuh
9	2, NFRC 0.25	Vinyl	0.36	W	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	134	3.55	476 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	18	3.55	64 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	18	3.55	64 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	68	3.55	240 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	321	3.55	1140 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	43	3.55	153 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	132	3.55	469 Btuh
13	Frame - Wood	- Ext	(0.089)	13.0/0.0	41	3.55	144 Btuh
14	Frame - Wood	- Ext	(0.089)	13.0/0.0	258	3.55	916 Btuh
	Wall Total				1423(sqft)		5050 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	1613	1.0	1638 Btuh
	Ceiling Total			1613(sqft)		1638Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	181.5 ft(perim.)	47.2	8567 Btuh
	Floor Total			1536 sqft		8567 Btuh

	Envelope Subtotal:	18756 Btuh

Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.18	13824	1.00	41.6	1820 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Lot 17 Jewel Lake
Building Type: User

Lake City, FL 32025

9/24/2019

Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.226)	4641 Btuh
All Zones	**Sensible Subtotal All Zones**	**25217 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	25217 Btuh 0 Btuh 25217 Btuh

EQUIPMENT

1. Electric Heat Pump	#	25217 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Lot 17 Jewel Lake

Lake City, FL 32025

9/24/2019

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.	16.0	16.0	0.0	12	14	194 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.	30.0	0.0	30.0	12	12	363 Btuh
8	2 NFRC	0.25, 0.36		No	No	N	1.5ft.	2.0ft.	30.0	0.0	30.0	12	12	363 Btuh
9	2 NFRC	0.25, 0.36		No	No	W	9.0ft.	1.0ft.	20.0	19.4	0.6	12	31	253 Btuh
	Window Total								192 (sqft)					2707 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	134.0	2.3	303 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	18.0	2.3	41 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	18.0	2.3	41 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.0	67.5	2.3	153 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	321.0	2.3	727 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	43.0	2.3	97 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.0	132.0	2.3	299 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.0	40.5	2.3	92 Btuh
14	Frame - Wood - Ext	0.09	13.0/0.0	258.0	2.3	584 Btuh
	Wall Total			1423 (sqft)		3130 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	1613.0	0.86	1392 Btuh
	Ceiling Total			1613 (sqft)		1392 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1536 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1536.0 (sqft)		0 Btuh

		Envelope Subtotal:	7781 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Lot 17 Jewel Lake

Lake City, FL 32025

9/24/2019

Infiltration	Type	Average ACH	Volume(cuft)		Wall Ratio		CFM=	Load	
	Natural	0.14	13824		1		31.2	649	Btuh
Internal gain		Occupants	Btuh/occupant				Appliance	Load	
		6	X	230	+		1200	2580	Btuh
						Sensible Envelope Load:		11009	Btuh
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)					(DGM of 0.342)		3761	Btuh
						Sensible Load All Zones		**14770**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Lot 17 Jewel Lake

Lake City, FL 32025

9/24/2019

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**11009 Btuh**
	Sensible Duct Load	3761 Btuh
	Total Sensible Zone Loads	**14770 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**14770 Btuh**
Totals for Cooling	Latent infiltration gain (for 51 gr. humidity difference)	1076 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1088 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**3364 Btuh**
	TOTAL GAIN	**18135 Btuh**

EQUIPMENT

1. Central Unit	#	18135 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