

Columbia County New Building Permit Application

For Office Use Only Application # 44542 Date Received 2/17 By SW Permit # 39372/39373
 Zoning Official 1W/144 Date 2-24-20 Flood Zone X Land Use PLD Zoning PLD
 FEMA Map # _____ Elevation _____ MFE 123' River _____ Plans Examiner TC Date 2-27-20
 Comments _____ per plat
☒ 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

SEWER, City Water ☒ Fax 688 9318
 Applicant (Who will sign/pickup the permit) Milton Smith Jessica Murphy Phone _____
 Address 426 SW Commerce Drive, Ste. 130, Lake City, FL 32025

Owners Name Gary Sorensen Phone 308.440.0814
 911 Address 137 Skl Grand Magnolia Gln, Lake City, FL 32024
 Contractors Name Gerald M. Smith Sr. Phone 386.234.0318
 Address 15975 CR 6 East, Jasper, FL 32052

Contractor Email jessicamurphy@circleoflifecommunities.com ***Include to get updates on this job.
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address Nicholas Geisler AL 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 04-43-16-02439-121 Estimated Construction Cost \$114,000.00

Subdivision Name The Reserve at Jewel Lake Lot 21 Block _____ Unit _____ Phase 1

Driving Directions from a Major Road 90W to Left on Pinemount Road - Subdivision is on right at Jewel Lake Dr.

take first right onto Jewel Lake Dr., take first left onto Old Cypress Way, then take the second right onto Grand Magnolia Glen. the 2nd lot on the right.

Construction of single family residence Commercial OR ☒ Residential

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

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

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

Actual Distance of Structure from Property Lines - Front 25' Side 18' Side 14.6'' Rear 16-9 1/2''

Number of Stories 1 Heated Floor Area 1200 Total Floor Area 1638 Acreage .23

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

ALL COMPLETED!!

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

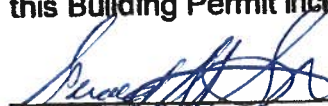
Print Owners Name


Owners Signature

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

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

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


Contractor's Signature

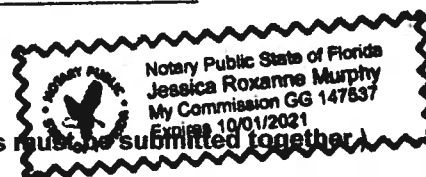
✓ Contractor's License Number CBC1254161
Columbia County
Competency Card Number 1428

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 17th day of Feb. 2020.

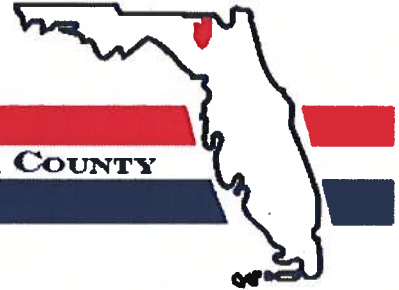
Personally known X or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



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 11:26:39 AM**
Address: **137 SW GRAND MAGNOLIA Gln**
City: **LAKE CITY**
State: **FL**
Zip Code **32024**

Parcel ID **02439-121**

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

Tax Parcel Identification Number:

04-43-16-02439-121

Clerk's Office Stamp

Inst: 202012003819 Date: 02/17/2020 Time: 12:44PM
Page 1 of 1 B: 1405 P: 2054, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk

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

1. Description of property (legal description): 04-43-16-02439-121 04/43/16 Lot 21 Reserve at Jewel Lake Phase 1 (3rd Plat)
a) Street (Job) Address: 137 SW Grand Magnolia Glen, Lake City, FL 32024
2. General description of improvements: New Residential Home
3. Owner Information or Lessee Information if the Lessee contracted for the improvements:
a) Name and address: GSMS Developers, Inc. 426 SW Commerce Dr. Lake City FL 32025
b) Name and address of fee simple titleholder (if other than owner) N/A
c) Interest in property 100%
4. Contractor Information
a) Name and address: Gerald M. Smith 426 SW Commerce Dr. Ste. 130, Lake City, FL 32025
b) Telephone No.: 386.984.0798
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: Milton Smith or Jessica Murphy 426 SW Commerce Dr. Ste 130 Lake City, FL 32025
b) Telephone No.: 386.339.1634
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(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

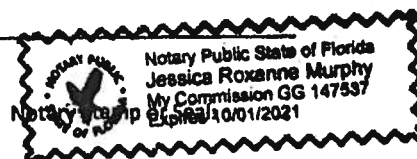
10. [Signature]
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Milton Smith
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 17th day of Feb., 2020, by:
Milton Smith as Agent for GSMS Developers, Inc.
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Jessica Murphy



Prepared by and return to:

Gary P. Sorensen
1400 West 22nd Street, Ste A
Kearney, Nebraska 68845-5389
Parcel Identification No:04-4S-16-02439-121

Inst: 202012003818 Date: 02/17/2020 Time: 12:44PM
Page 1 of 1 B: 1405 P: 2053, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk Doc Stamp-Deed: 0.70

[Space Above This Line For Recording Data]

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

This indenture made the 17th day of Feb., 2019 between Gary Sorensen, a Married Man, whose post office address is 1400 West 22nd Street, Ste A, Kearney, Nebraska 68845-5389, of the County of Buffalo, Nebraska, Grantor, to GSMS Developers, Inc. whose address is 426 SW Commerce Drive, Ste 130, Lake City, FL 32025, County of Columbia, State of Florida, hereinafter called Grantee:

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

Lot 21, of RESERVE AT JEWEL LAKE PHASE 1 (3RD PLAT), according to the plat thereof, as recorded in Plat Book 9, Page 123, of the Public Records of Columbia County, Florida.

Said property is not the homestead of the Grantor under the laws and constitution of the State of Florida in that neither Grantor nor any member of the household of Grantor reside thereon.

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

Subject to taxes for 2019 and subsequent years, not yet due and payable; covenants, restrictions, easements, reservations and limitations of record, if any.

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

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

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

Signed, sealed and delivered
in our presence:

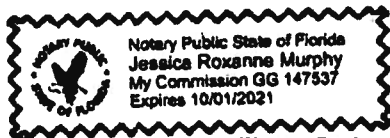
Witness Print Name: William Smith

Gary Sorensen
Gary Sorensen

Witness Print Name: William Myers
STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 17th day of Feb., 2019, by Gary Sorensen, who is personally known to me or who produced a _____ as identification.

Jessica Murphy
Signature of Notary Public



Warranty Deed

File No.: _____

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values

updated: 2/11/2020

Retrieve Tax Record

2019 TRIM (pdf)

Property Card

Parcel List Generator

Show on GIS Map

Print

Parcel: << 04-4S-16-02439-121 >>

Aerial Viewer Pictometry Google Maps

Owner & Property Info

Result: 1 of 1

Owner	SORENSEN GARY 10153 US HIGHWAY 90 W LAKE CITY, FL 32055		
Site	137 GRAND MAGNOLIA GLN,		
Description*	LOT 21 RESERVE AT JEWEL LAKE PHASE 1 (3RD PLAT).		
Area	0.23 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.

Property & Assessment Values

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



Sales History

Show Similar Sales within 1/2 mile

Fill out Sales Questionnaire

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

Building Characteristics

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

Extra Features & Out Buildings (Codes)

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

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (0.230 AC)	1.00/1.00 1.00/1.00	\$20,000	\$20,000

Search Result: 1 of 1

Legend

Parcels

2018 Flood Zones

0.2 PCT ANNUAL CHANCE

A

AE

AH

2018 Aerials

Roads

Roads

others

Dirt

Interstate

Main

Other

Paved

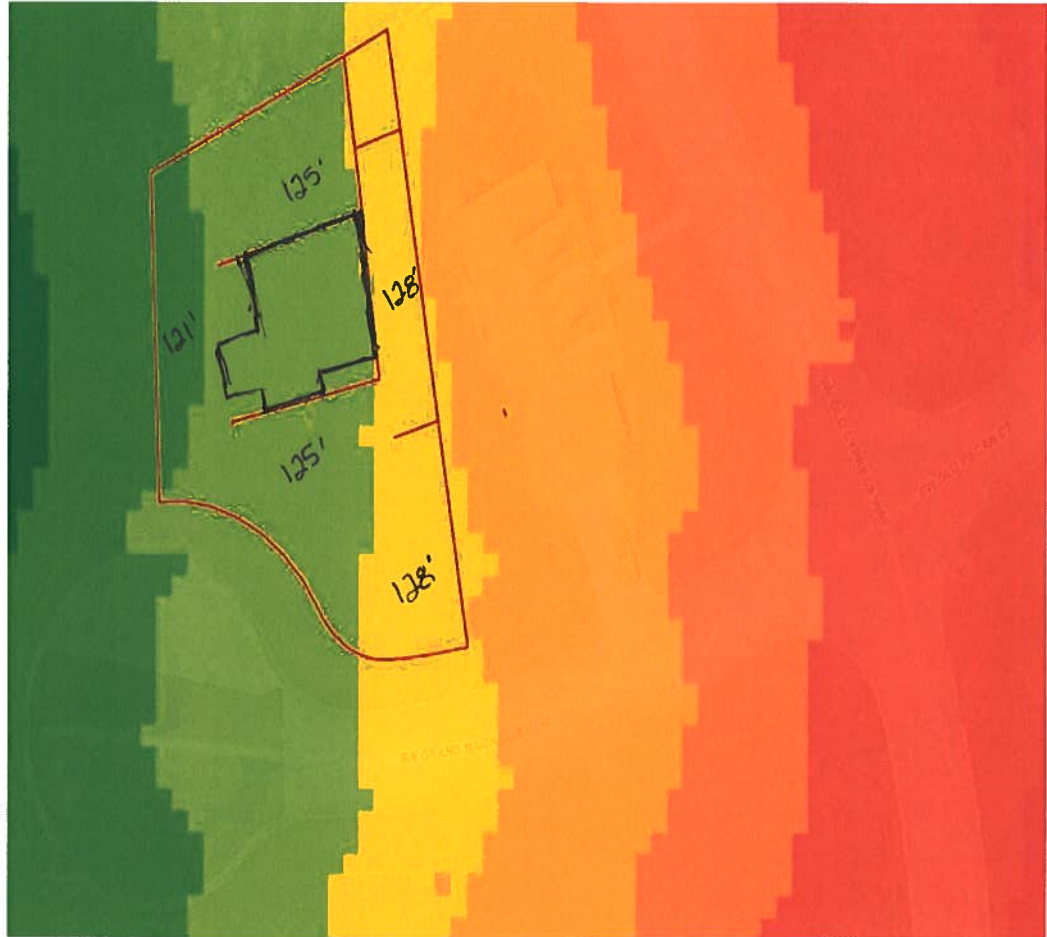
Private

Lidar Elevations

X

Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Feb 24 2020 14:06:11 GMT-0500 (Eastern Standard Time)



Parcel Information

Parcel No: 04-4S-16-02439-121

Owner: SORENSEN GARY

Subdivision: RESERVE AT JEWEL LAKE PHASE 1

Lot: 21

Acres: 0.230221152

Deed Acres:

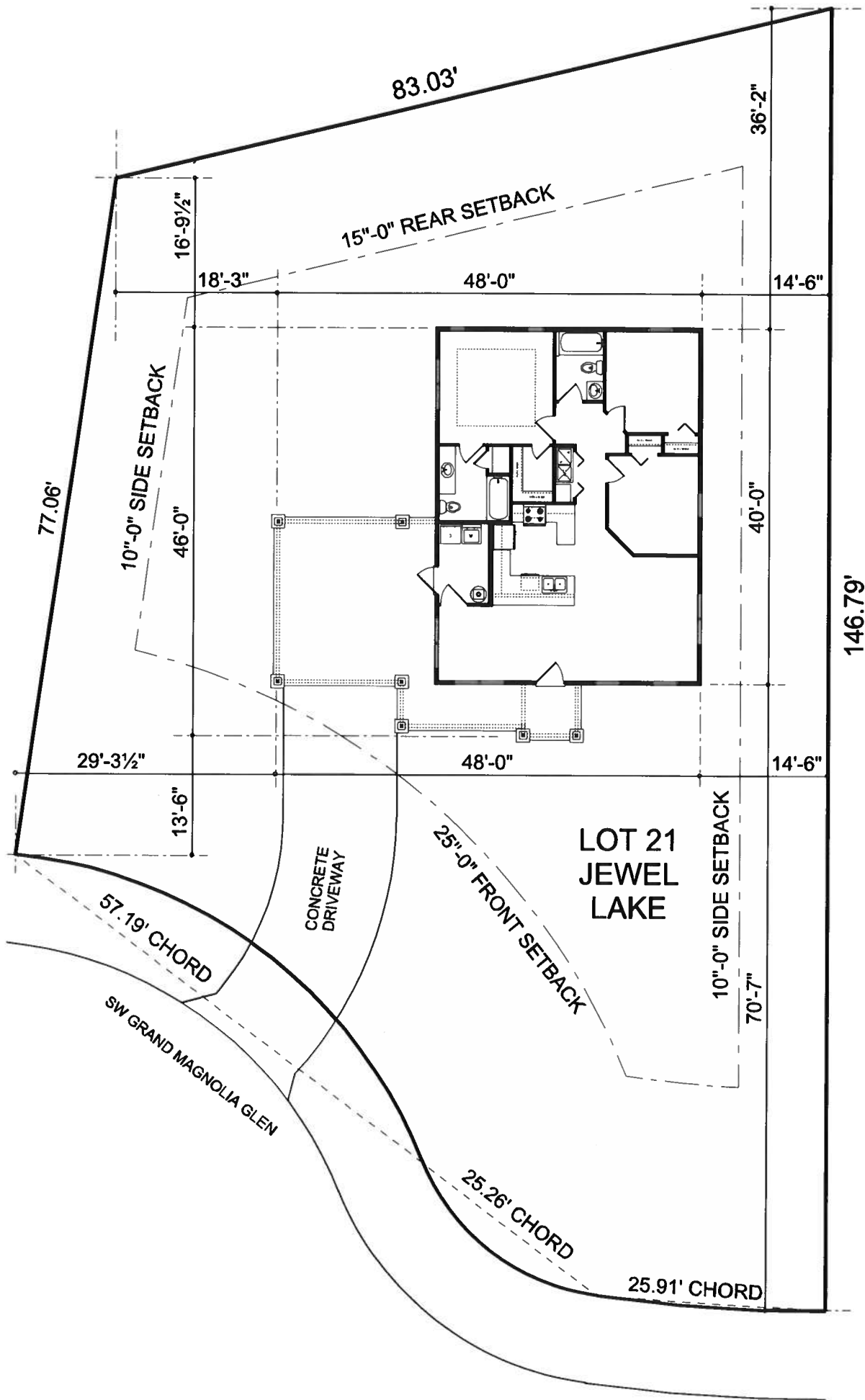
District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD

All data, information, and maps are provided "as is" without warranty or any representation of accuracy, timeliness of completeness. Columbia County, FL makes no warranties, express or implied, as to the use of the information obtained here. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, and update.





March 27, 2019

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

RE: Reserve at Jewel Lake Lot 21
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 137 SW Grand Magnolia Glen, Parcel 04-4S-16-02439-121.

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

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44512 JOB NAME The Reserve at Jewel Lake lot 21

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

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

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

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

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

ELECTRICAL ☐	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
MECHANICAL/A/C ☒ CC# <u>0037</u>	Print Name <u>Chris Williams</u> Signature <u>Ch alb</u> Company Name: <u>Chris Williams Inc DBA Country Comfort</u> License #: <u>CAC05T195</u> Phone #: <u>786.752.5041</u>	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
PLUMBING/GAS ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
ROOFING ☒ CC# <u>1330509</u>	Print Name <u>Ben Keeler</u> Signature <u>BK</u> Company Name: <u>Keeler Roofing LLC</u> License #: <u>CC1330509</u> Phone #: <u>302-514-4930</u>	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/SPRINKLER ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Umb ☐ W/C ☐ EX ☐ DE

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44542

JOB NAME The Reserve at Jewel Lake Lot 21

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

SUBCONTRACTOR INFORMATION

APPLICATION/PERMIT #

48512

JOB NAME

The Reserve at Jewel Lake Lot 21

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



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

		Select From the Dropdown		
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.)	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.

		YES	NO	N/A
8	Plans or specifications must show compliance with FBCR Chapter 3			
		Select From the Dropdown		
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/m ²), to be used for the design of exterior component, cladding materials not specially 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)

YES / NO / N/A

Select From the Dropdown

FBCR 403: Foundation Plans

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 value of soil Pound Per Square Foot	
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	☒ 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 piers	N/A
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	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 Dropdown
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	YES
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)	
57	Indicate where pressure treated wood will be placed	
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	YES
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	YES

FBCR Chapter 11 Energy Efficiency Code for residential building

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

YES / NO / N/A

		Select From the Dropdown
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	YES
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	YES
90	Appliances and HVAC equipment and disconnects	YES
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter, Protection device.	YES

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	NO	YES	
93	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	NO	YES	
94	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NO	N/A	
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	
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 911 address 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 §53.342 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Component	Manufacturer	Product Description	Approval #
1. EXTERIOR DOORS			
A. SLIDING	WINDALISE	Ext Doors	FL 8228-R7
B. SWING			
C. SECTIONAL ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE GLASS HUNG	MT Home Products	Windows	FL 17670-R1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED		Windows	FL 18644
E. MINOR			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Siding	FL 13192-R4
B. SHUTTS	ICM CAN	Shutts	FL 16503
C. TRIM PANELS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	Asph Shingles	FL 10124-R19
B. NON-STRUCTURAL METAL			
C. CERAMIC TILES			
D. SPECIALTY ROOF			
E. OTHER			
5. GAF Dimplecoat	GAF	Dimplecoat	FL 15487-R1
6. STRUCTURAL COMPONENTS			
A. WOOD JOISTS	SIMPSON	Joists	FL 13872-R2
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. BRACKET FORMS			
E. WALLS			
F. OTHER			
7. ROOF EXTERIOR			
8. EXTERIOR 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 manufacturer's installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor OR Agent Signature

Date

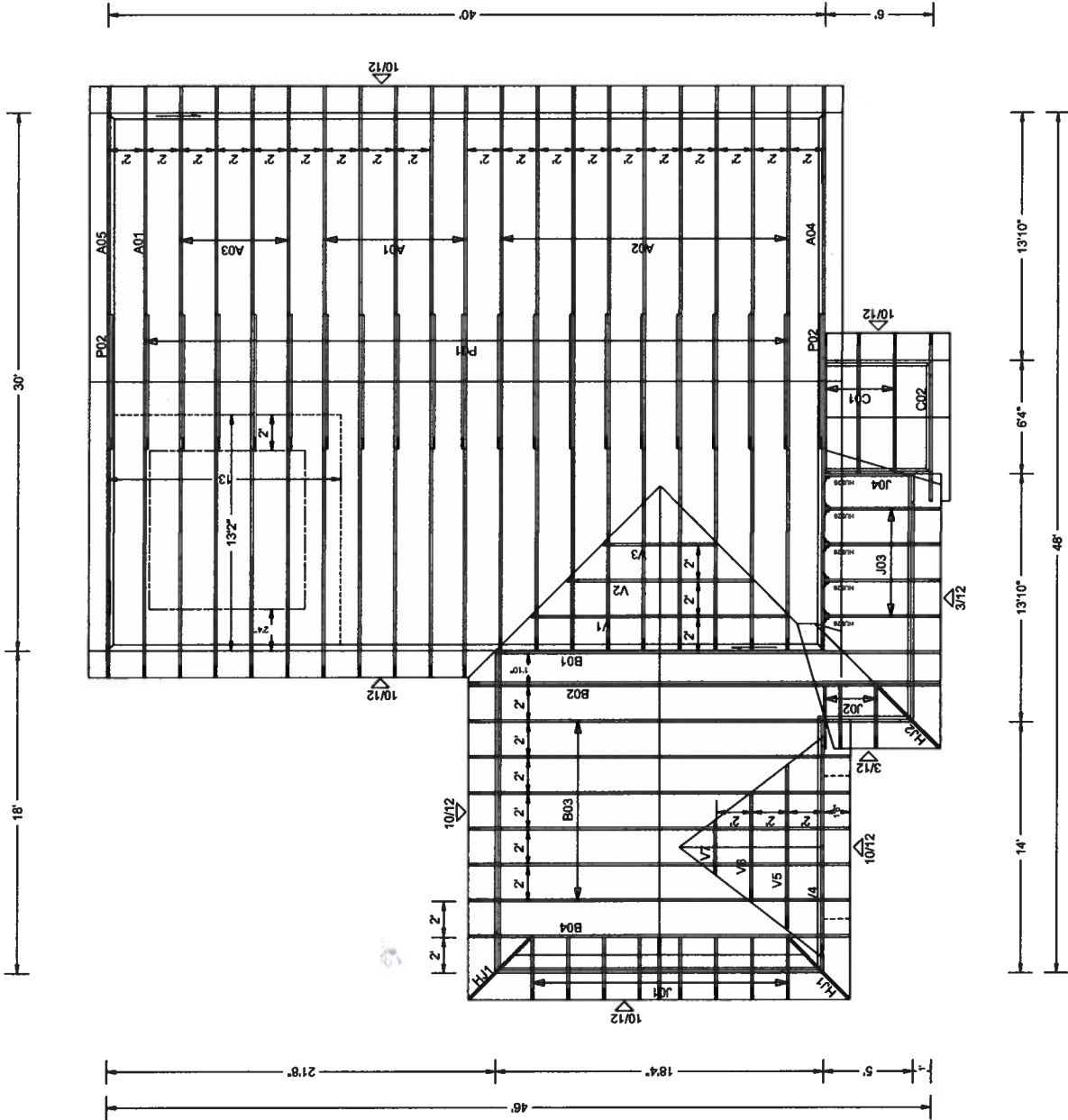
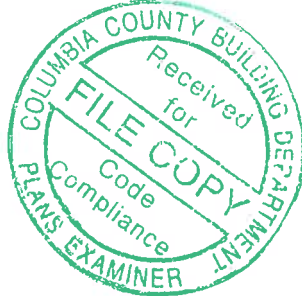
NOTES:

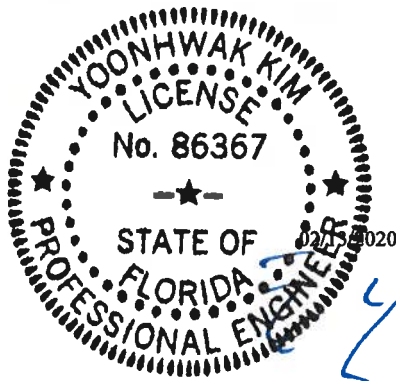
Total Truss Quantity = 83

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

ROOF PITCH: 3 & 10/12
 OVERHANG: 18" P1
 CEILING: FLAT
 EXT. WALLS: 2 X 4 X 9
 LOADING: 40 PSF
 WIND LOAD: 130 MPH
 EXPOSURE: C
 DATE: 2/12/20

5 - TRUSS TO TRUSS CONNECTIONS
 5 - HUS26



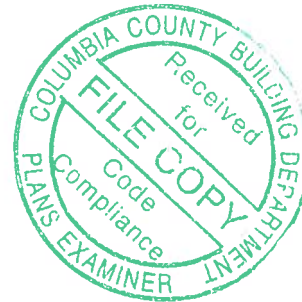


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.



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

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



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-3964
Job Description: /Lot 21 Jewel Lake /Guy Sorensen Milton Smith	
Address: LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B JRef #: 1WSQ2150001
Wind Standard: ASCE 7-10 Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00
Building Type: Closed	Floor Load (psf): None

This package contains general notes pages, 26 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	044.20.0908.55270	A01
3	044.20.0909.06543	A03
5	044.20.0909.11987	A05
7	044.20.0909.19297	B02
9	044.20.0909.26010	B04
11	044.20.0909.59020	C02
13	044.20.0910.01963	HJ2
15	044.20.0910.04473	J02
17	044.20.0910.10793	J04
19	044.20.0910.14840	P02
21	044.20.0910.18317	V2
23	044.20.0910.20473	V4
25	044.20.0910.22827	V6
27	A14015ENC101014	
29	GBLLETIN0118	
31	VAL160101014	

Item	Drawing Number	Truss
2	044.20.0908.56787	A02
4	044.20.0909.09840	A04
6	044.20.0909.14047	B01
8	044.20.0909.21610	B03
10	044.20.0909.27790	C01
12	044.20.0910.00653	HJ1
14	044.20.0910.03187	J01
16	044.20.0910.08107	J03
18	044.20.0910.13383	P01
20	044.20.0910.17277	V1
22	044.20.0910.19330	V3
24	044.20.0910.21690	V5
26	044.20.0910.25533	V7
28	BRCLBSUB0119	
30	PB160101014	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

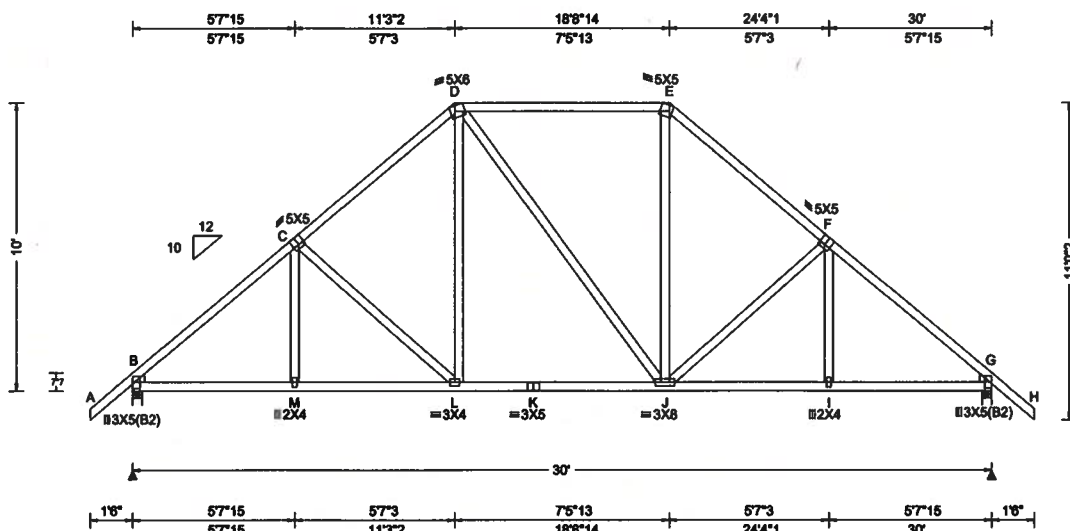
Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 322076 FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: A01	Cust: R215 JRef:1WSQ2150001 T21 DrwNo: 044.20.0908.55270 / YK 02/13/2020
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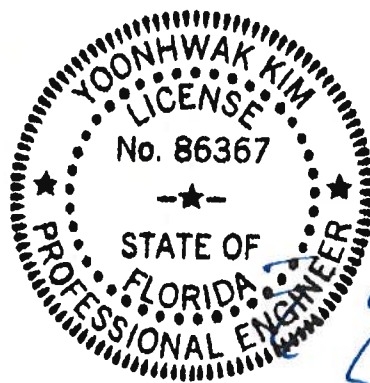


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 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/def L/# VERT(LL): 0.058 L 999 480 VERT(CL): 0.122 L 999 360 HORZ(LL): 0.037 I - - HORZ(TL): 0.079 I - - Creep Factor: 2.0 Max TC CSI: 0.635 Max BC CSI: 0.674 Max Web CSI: 0.369 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity B 1397 /- /- /861 /220 /355 G 1397 /- /- /861 /220 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 G Brg Width = 4.0 Min Req = 1.6 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 463 -1677 E - F 490 -1347 C - D 494 -1352 F - G 462 -1677 D - E 446 -959

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;
Lt Wedge: 2x4 SP #2; Rt Wedge: 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 10'-0".



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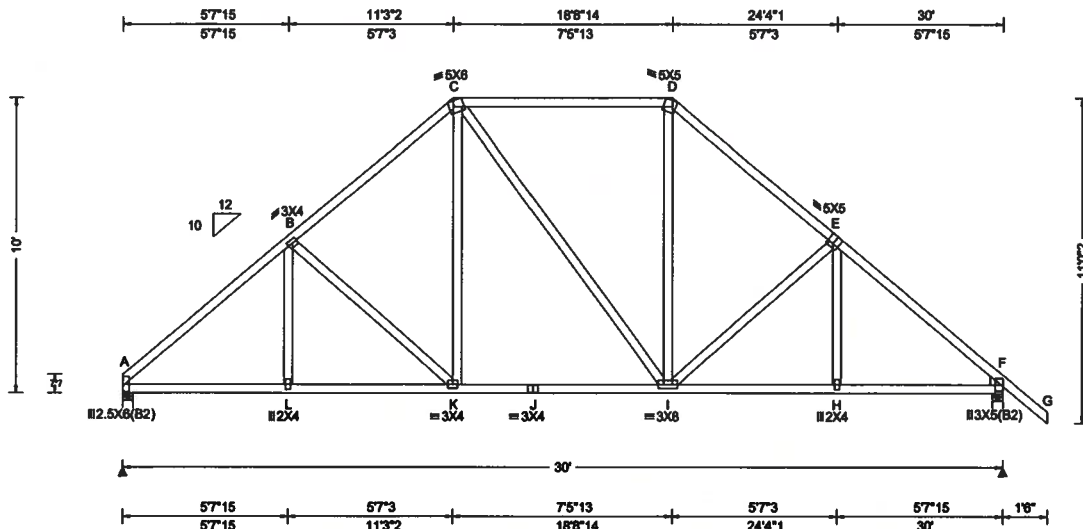
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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SEQN: 322077 FROM: CDM	COMN Qty: 9	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: A02	Cust: R 215 JRef:1WSQ2150001 T4 DwnNo: 044.20.0908.56787 / YK 02/13/2020
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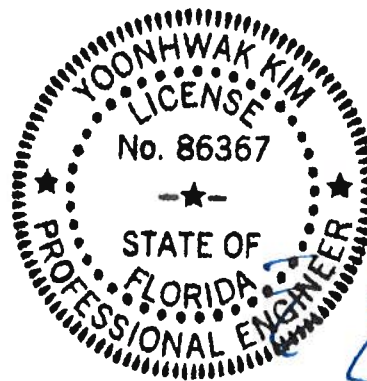


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 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/def L/# VERT(LL): 0.056 K 999 480 VERT(CL): 0.119 K 999 360 HORZ(LL): 0.037 H - - HORZ(TL): 0.079 H - - Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.676 Max Web CSI: 0.374 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1288 - / - / 761 / 184 / 329 F 1400 - / - / 861 / 221 / - Non-Gravity Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.7 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 472 - 1693 D - E 495 - 1351 B - C 500 - 1361 E - F 466 - 1681 C - D 450 - 962

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;
Rt Wedge: 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 10'-0-0.



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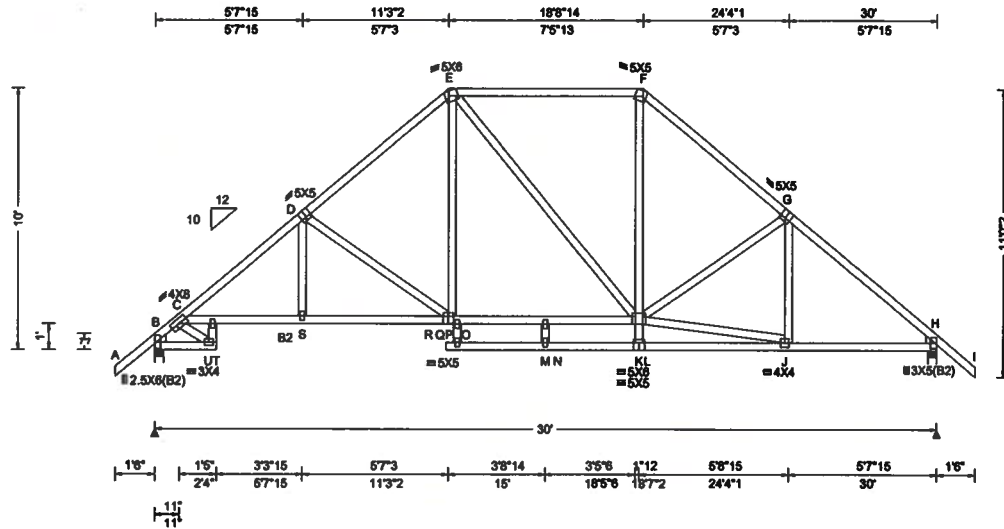
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - L	1200 - 214	J - I	962 - 101
L - K	1200 - 214	I - H	1184 - 206
K - J	962 - 101	H - F	1185 - 205

Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
C - K	383 - 126

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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SEQN: 322078 FROM: CDM	COMN Qty: 4	Ply: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: A03	Cust: R 215 JRef: 1WSQ2150001 T28 DrwNo: 044.20.0909.06543 / YK 02/13/2020
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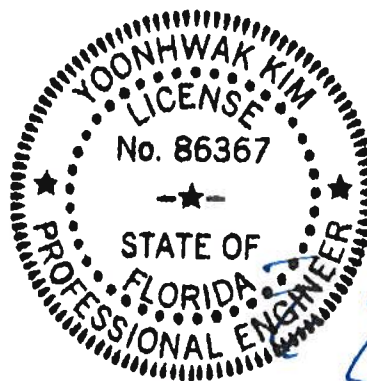
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.148 T 999 480 VERT(CL): 0.314 T 999 360 HORZ(LL): 0.095 J - - HORZ(TL): 0.201 J - - Creep Factor: 2.0 Max TC CSI: 0.762 Max BC CSI: 0.691 Max Web CSI: 0.508 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 1396 - / - / 861 / 220 / 355 H 1397 - / - / 861 / 220 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H Brg Width = 4.0 Min Req = 1.6 Bearings B & 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 319 -1425 E - F 367 -1079 C - D 402 -2071 F - G 391 -1499 D - E 398 -1487 G - H 358 -1677

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #2;
Lt Wedge: 2x4 SP #2; Rt Wedge: 2x4 SP #2;

Plating Notes
All plates are 2X4 except as noted.

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-0".
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point).



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Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	841 -182	Q - O	1054 -112
C - U	1591 -223	O - M	1021 -113
U - S	1545 -213	M - K	1022 -113
S - Q	1540 -213	J - H	1182 -145

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - T 230 -1064 E - Q 428 -84
U - T 551 -116 K - F 441 -83
D - Q 188 -602 K - J 1158 -144

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

[illegible]

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 B 999 480	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 B 999 360	A* 93 /- /- /64 /13 /24
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 N - -	AA*87 /- /- /80 /14 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.005 M - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	A Brg Width = 168 Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.212	AA Brg Width = 192 Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.064	Bearings A & AA are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.241	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0Y)10(0)		
	Loc. from endwall: Any	Plate Type(s):		
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	

Number

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

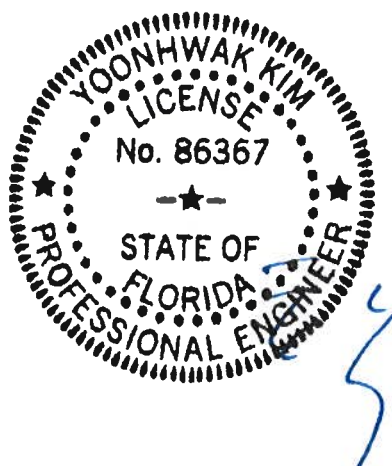
All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss excluding overhang is 10-0-0.

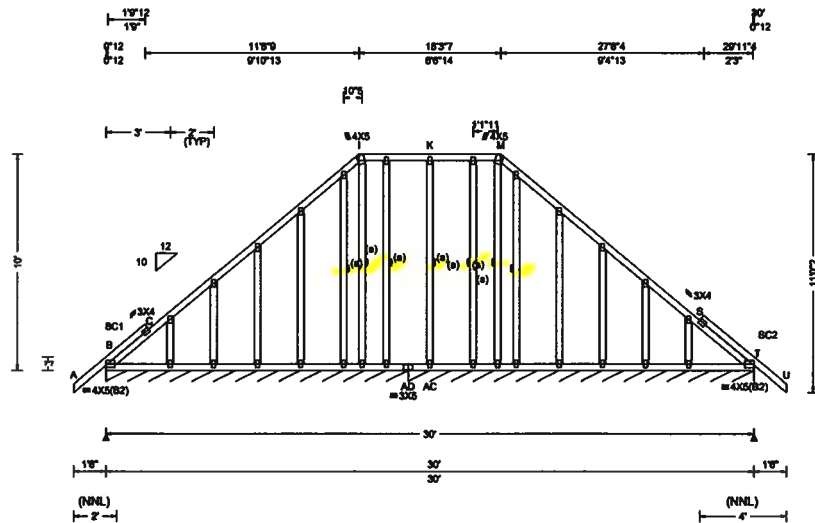


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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SEQN: 322080 FROM: CDM	GABL Qty: 1	Ply: 1 Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: A05	Cust: R 215 JRef:1WSQ2150001 T2 DrwNo: 044.20.0909.11987 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 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/def L/# VERT(LL): 0.001 V 999 480 VERT(CL): 0.003 V 999 360 HORZ(LL): 0.004 O - - HORZ(TL): 0.006 O - - Creep Factor: 2.0 Max TC CSI: 0.212 Max BC CSI: 0.069 Max Web CSI: 0.134 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B* 94 /- /- /67 /14 /26 AD*93 /- /- /63 /14 /- Wind reactions based on MWFRS B Brg Width = 168 Min Req = - AD Brg Width = 192 Min Req = - Bearings B & AD 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 #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

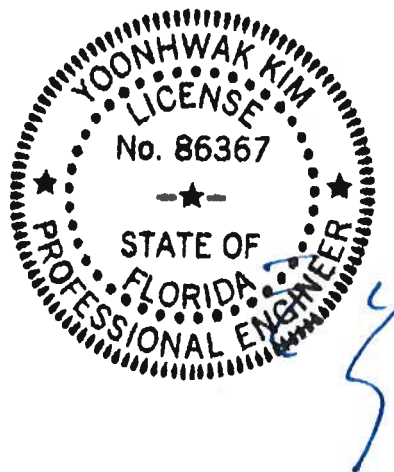
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 10-0-0.



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02/13/2020

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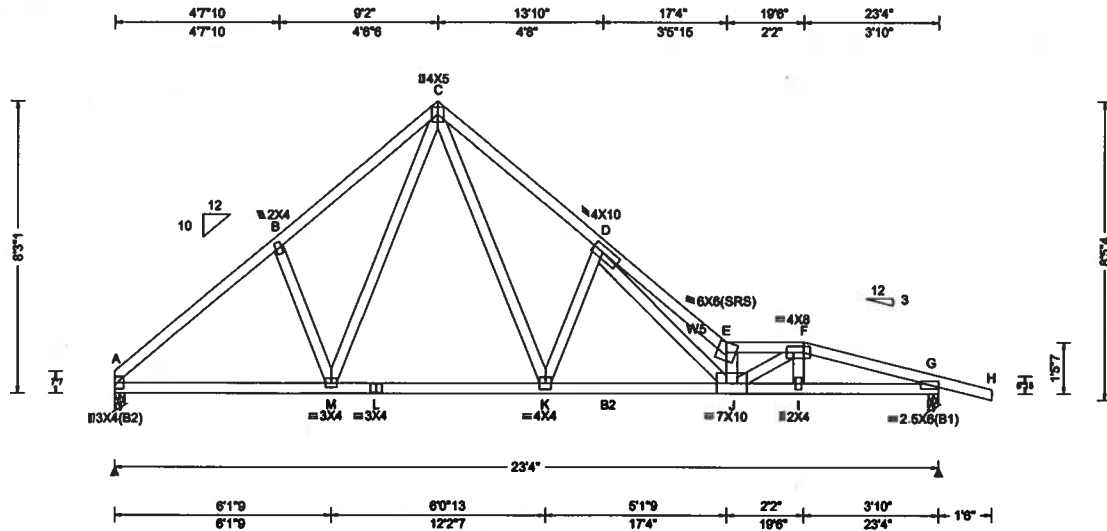
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SEQN: 322081 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: B01	Cust: R 215 JRef:1WSQ2150001 T34 DrwNo: 044.20.0909.14047 / YK 02/13/2020
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Loading 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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 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(0Y10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.267 E 999 480 VERT(CL): 0.558 E 498 360 HORZ(LL): 0.110 C - - HORZ(TL): 0.229 C - - Creep Factor: 2.0 Max TC CSI: 0.775 Max BC CSI: 0.493 Max Web CSI: 0.585 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity A 991 -/- /576 -/- /232 G 1081 -/- /598 /85 -/- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

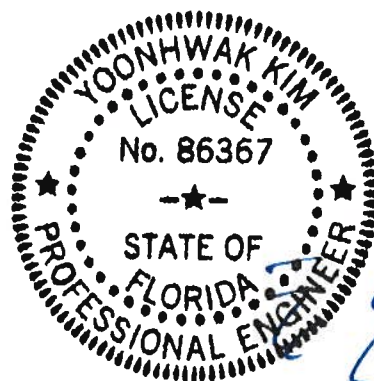
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 8-3-1.



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02/13/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - M	898 - 109	K - J	1398 - 220
M - L	697 - 5	J - I	2377 - 529
L - K	697 - 5	I - G	2382 - 532

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - K	1023 - 279	E - J	781 - 3207
K - D	289 - 837	J - F	1108 - 255
D - J	3514 - 829		

****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.tpinet.org; SBCEA: www.sbcindustry.com; ICC: www.iccsafe.org

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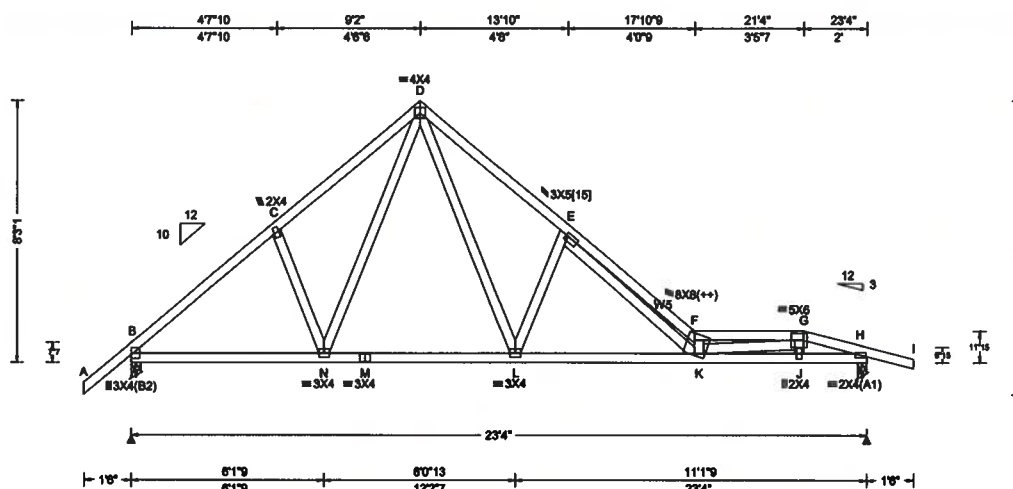
SEQN: 322104
FROM: CDM

COMN	Ply: 2
	Qty: 1

Job Number: 20-3964
/Lot 21 Jewel Lake /Guy Sorensen Milton Smith
Truss Label: B02

Cust: R 215 JRef: 1WSQ2150001 T11
 DrwNo: 044.20.0909.19297
 / YK 02/13/2020

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf In PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.326 F 851 480	Non-Gravity
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.670 F 414 360	Loc R+ / R- / Rh / Rw / U / RL
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.133 D - -	B 1108 /- /- /- /222 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.273 D - -	H 1122 /- /- /- /265 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.550	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.880	H Brg Width = 3.5 Min Req = 1.5
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.433	Bearings B & H are a rigid surface.
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
	Loc. from endwall: Any	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)
	GCpi: 0.18	WAVE		Chords Tens.Comp. Chords Tens. Comp.
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	B - C 130 -632 E - F 721 -3661

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

Nalnote

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

Special Loads

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

TC: From	66 pif at	-1.50 to	66 pif at	17.88
TC: From	30 pif at	17.88 to	30 pif at	21.33
TC: From	61 pif at	21.33 to	61 pif at	24.83
BC: From	5 pif at	-1.50 to	5 pif at	0.00
BC: From	20 pif at	0.00 to	20 pif at	18.40
BC: From	10 pif at	18.40 to	10 pif at	23.33
BC: From	4 pif at	23.33 to	4 pif at	24.83
TC:	19 lb Conc. Load at	18.40, 19.27		
TC:	34 lb Conc. Load at	21.30		
BC:	30 lb Conc. Load at	18.40, 19.27		
BC:	70 lb Conc. Load at	21.30		

Plating Notes

(++) - This plate works for both joints covered.

Plate Shift Table

JT No	Plate Size	Lateral Shift	Chord Bite	JT No	Plate Size	Lateral Shift	Chord Bite
[15]	3X5	4.25	R 1.25				

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 8-3-1.

▲ Maximum Reactions (lbs)

E-Maximum Readings (Hz)						
Loc	R+	Gravity			Non-Gravity	
		/R-	/Rh	/Rw	/U	/RL
B	1108	/-	/-	/-	/222	/-
H	1122	/-	/-	/-	/265	/-

Wind reactions based on MWFRS

B Brg Width = 3.5 Min Req = 1.5

H	Brg Width = 3.5	Min Re
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Bearings B & H are a rigid surface.

Members not listed have forces less than 37.

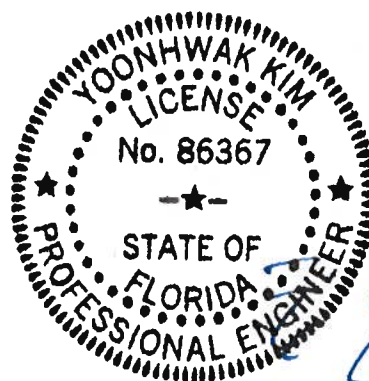
Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	130	-632	E - F	721	-3661
C - D	107	-571	F - G	448	-2326
D - E	148	-771	G - H	265	-1269

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	442	-84	K - J	1213	-249
L - K	715	-140	J - H	1203	-249

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - L	550	-85	F - K	492	-2381
L - E	105	-421	K - G	1137	-203
E - K	2831	-572			



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Institute) Manual for the proper practices for performing these tasks. Installers shall provide temporary bracing per BCSI unless noted otherwise, top chord shall have permanent attachment structure, sheathing and boarding attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B9 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

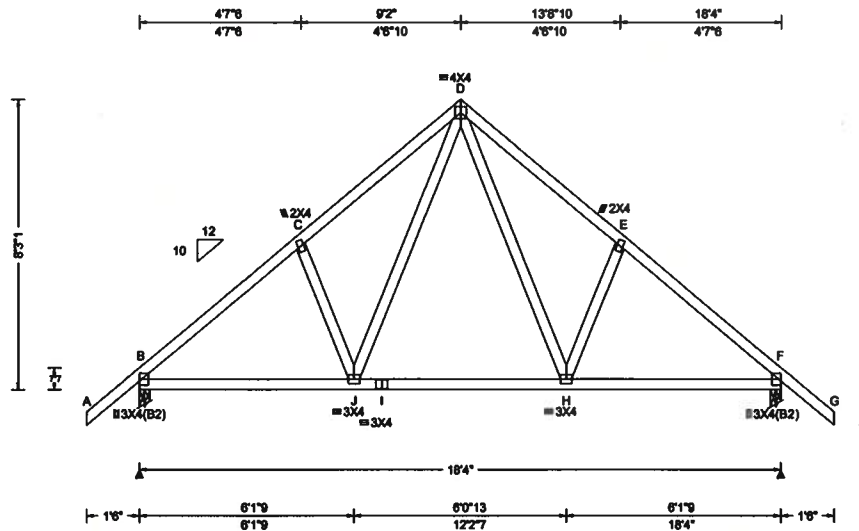
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 322082 FROM: CDM	COMN Qty: 6	Ply: 1 Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: B03	Cust: R 215 JRef: 1WSQ2150001 T17 DwnNo: 044.20.0909.21610 / YK 02/13/2020
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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: not in 4.50 ft GCpl: 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/def L# VERT(LL): 0.031 H 999 480 VERT(CL): 0.060 H 999 360 HORZ(LL): 0.019 H - - HORZ(TL): 0.037 H - - Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.444 Max Web CSI: 0.167 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity B 954 /- /- /568 /137 /303 F 954 /- /- /568 /137 /- 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 188 -1058 D - E 269 -936 C - D 268 -935 E - F 189 -1059

Lumber

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

Loading

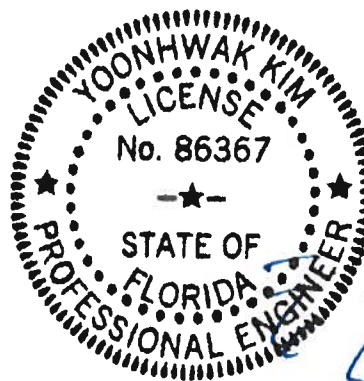
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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 8'-3-1/2".



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	726 -142	I - H	503 -85
J - I	503 -85	H - F	727 -31

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	403 -133	D - H	405 -131

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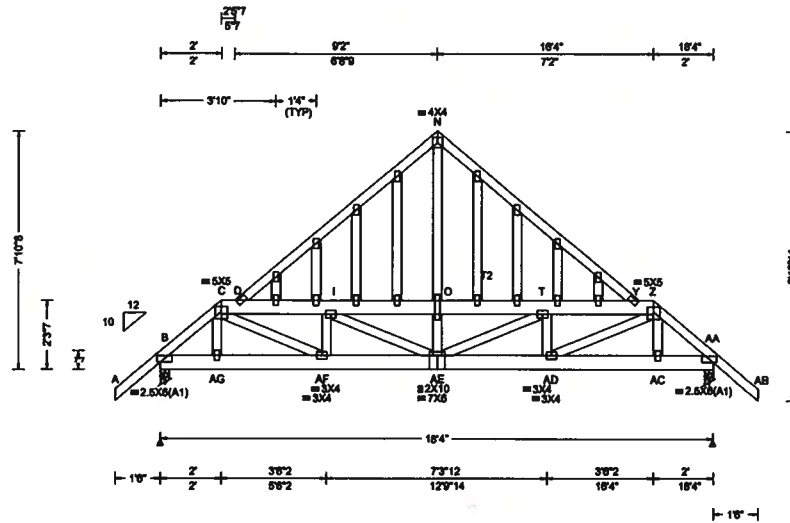
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/APA 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322101 FROM: CDM	GABL Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: B04	Cust: R215 JRef:1WSQ2150001 T8 DrwNo: 044.20.0909.26010 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pl in PSF)	Def/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 GCpl: 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/def L/# VERT(LL): 0.031 J 999 480 VERT(CL): 0.085 J 999 360 HORZ(LL): 0.010 E - - HORZ(TL): 0.021 E - - Creep Factor: 2.0 Max TC CSI: 0.408 Max BC CSI: 0.154 Max Web CSI: 0.168 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL B 1251 - /- /- /- /296 - /- AA 1253 - /- /- /- /297 - /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 AA Brg Width = 3.5 Min Req = 1.5 Bearings B & AA 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 314 -1332 N - Y 181 -734 C - D 367 -1601 O - T 219 -935 D - N 181 -734 T - Y 256 -1133 D - I 256 -1133 Y - Z 367 -1601 I - O 219 -935 Z - AA 315 -1334

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

Special Loads
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at -1.50 to 66 plf at 19.83
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 18.33
BC: From 5 plf at 18.33 to 5 plf at 19.83
TC: 46 lb Conc. Load at 2.03,16.33
TC: 30 lb Conc. Load at 4.06, 6.06, 8.06, 9.17
10.33,12.33,14.33
BC: 83 lb Conc. Load at 2.03,16.33
BC: 35 lb Conc. Load at 4.06, 6.06, 8.06, 9.17
10.33,12.33,14.33

Plating Notes
All plates are 2X4 except as noted.

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

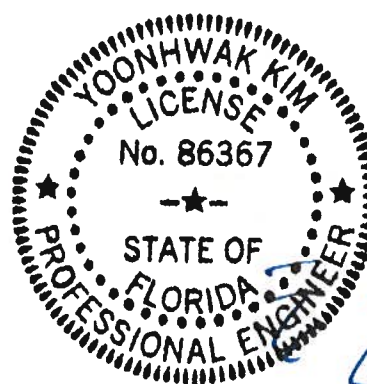
Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 7'-10-8.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - AG 957 -223 AE-AD 1648 -388
AG-AF 961 -228 AD-AC 962 -229
AF-AE 1648 -388 AC-AA 958 -223

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - AF 744 -163 AD - Z 743 -162
O - AE 451 -46

Maximum Gable Forces Per Ply (lbs)
Gables Tens.Comp.
N - O 585 -101

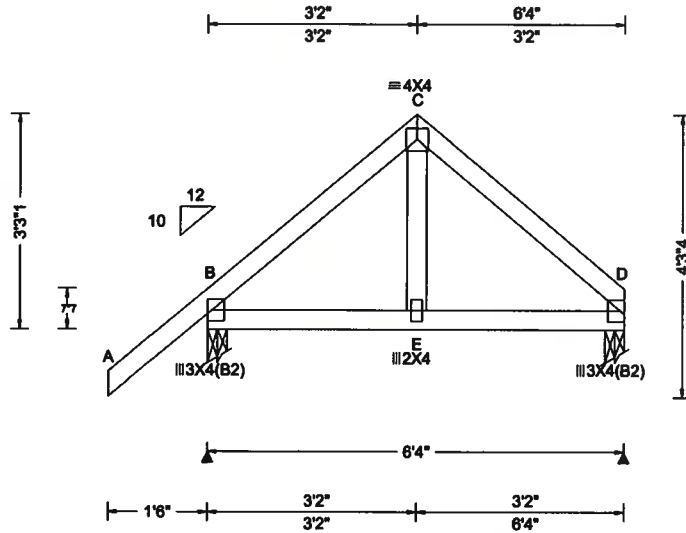


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322083 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: C01	Cust: R 215 JRef:1WSQ2150001 T8 DrwNo: 044.20.0909.27790 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Δ Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 E 999 480 VERT(CL): 0.005 E 999 360 HORZ(LL): 0.002 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.221 Max BC CSI: 0.097 Max Web CSI: 0.029 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 393 /- /- /270 /68 /126 D 259 /- /- /146 /32 /- 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

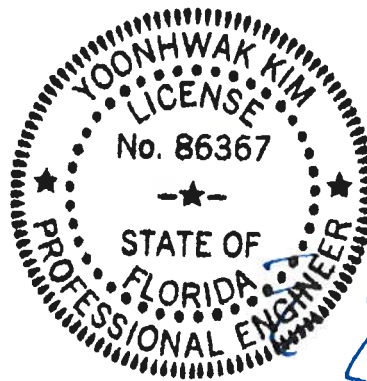
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

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 3-3-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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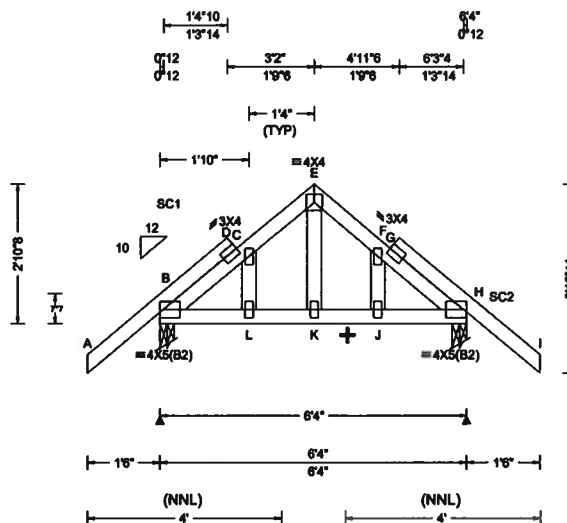
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Suite 305
Orlando FL, 32821

SEQN: 322084 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: C02	Cust: R 215 JRef: 1WSQ2150001 T9 DrwNo: 044.20.0909.59020 / YK 02/13/2020
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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: Yes FT/RT:20(0Y)10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 L 999 480 VERT(CL): 0.005 L 999 360 HORZ(LL): 0.002 C - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.212 Max BC CSI: 0.093 Max Web CSI: 0.026 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 379 /- /- /273 /55 /143 H 379 /- /- /273 /55 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H 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 #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

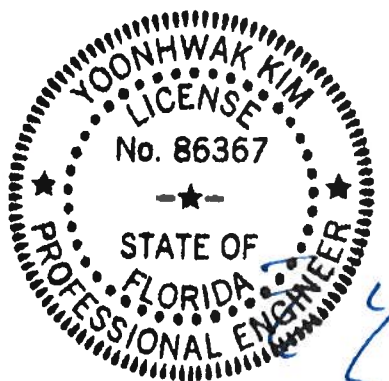
Additional Notes

Refer to General Notes for additional information

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 2-10-8.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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

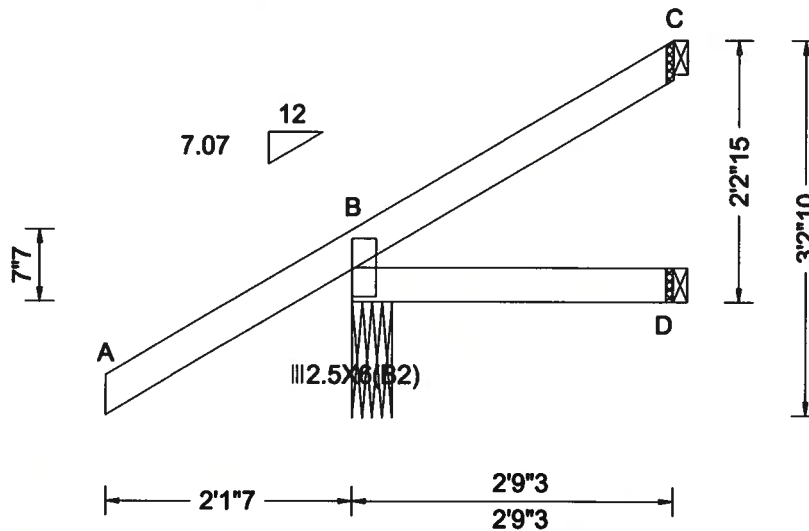
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions.

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

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

SEQN: 322098 FROM: CDM	HIP_ Qty: 2	Ply: 1 Job Number: 20-3984 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: HJ1	Cust: R215 JRef:1WSQ2150001 T5 DrwNo: 044.20.0910.00653 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 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 GCpl: 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/def L# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.072 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 169 /- /- /246 /58 /84 D 49 /-2 /- /39 /4 /- C 16 /-11 /- /29 /24 /- Wind reactions based on MWFRS B Brg Width = 4.2 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

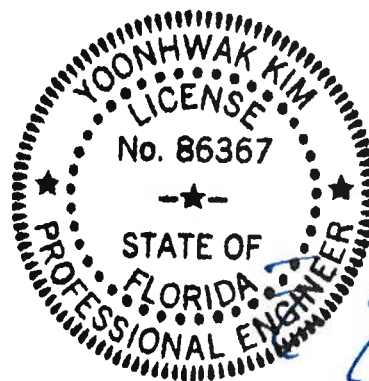
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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 2-2-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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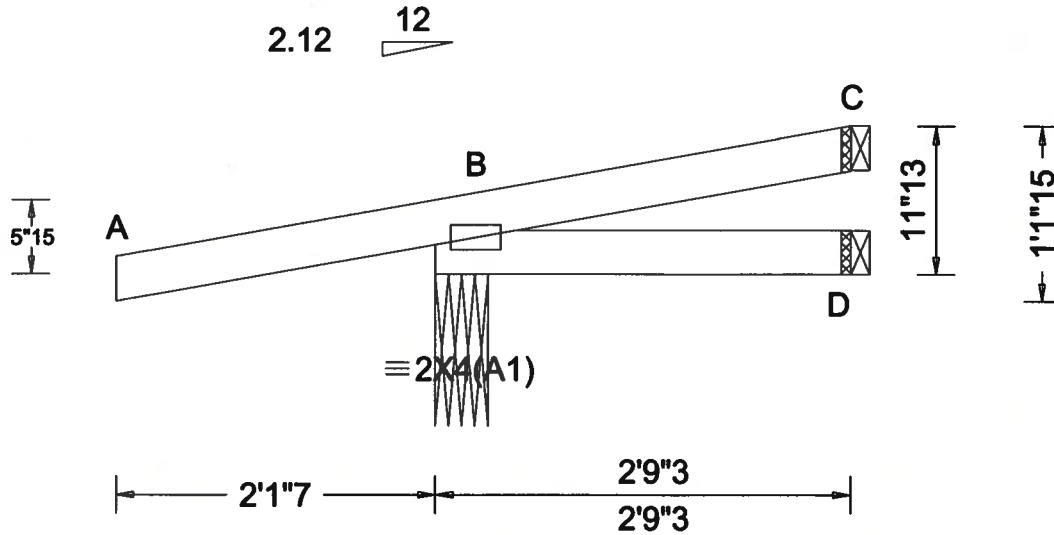
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322099 FROM: CDM	HIP_ Qty: 1	Ply: 1 Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: HJ2	Cust: R215 JRef:1WSQ2150001 T13 DrwNo: 044.20.0910.01963 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	164	/-	/-	/184	/155	/34
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	40	/-6	/-	/41	/7	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	C	15	/-11	/-	/14	/13	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 D - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.2		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.532	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.123	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	Rep Fac: Yes		Members not listed have forces less than 375#						
	Loc. from endwall: Any	FT/RT:20(0)/10(0)								
	GCpl: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

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

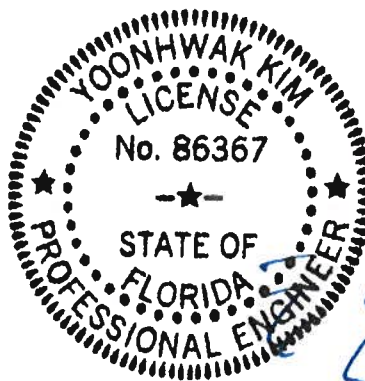
Wind

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 0-11-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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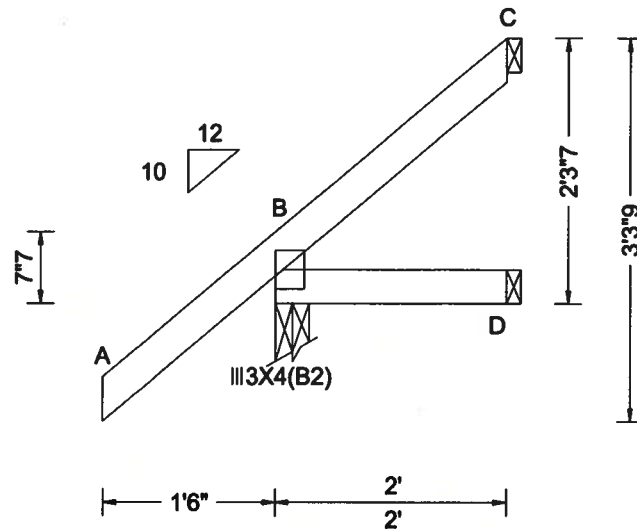
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322085 FROM: CDM	JACK Ply: 1 Qty: 9	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: J01	Cust: R 215 JRef:1WSQ2150001 T22 DrwNo: 044.20.0910.03187 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/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 GCpl: 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/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.224 Max BC CSI: 0.036 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 237 /- /- /197 /27 /84 D 35 /- /- /28 /3 /- C 30 /- /- /26 /25 /- 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

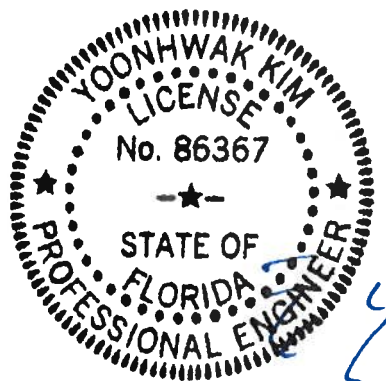
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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 2-3-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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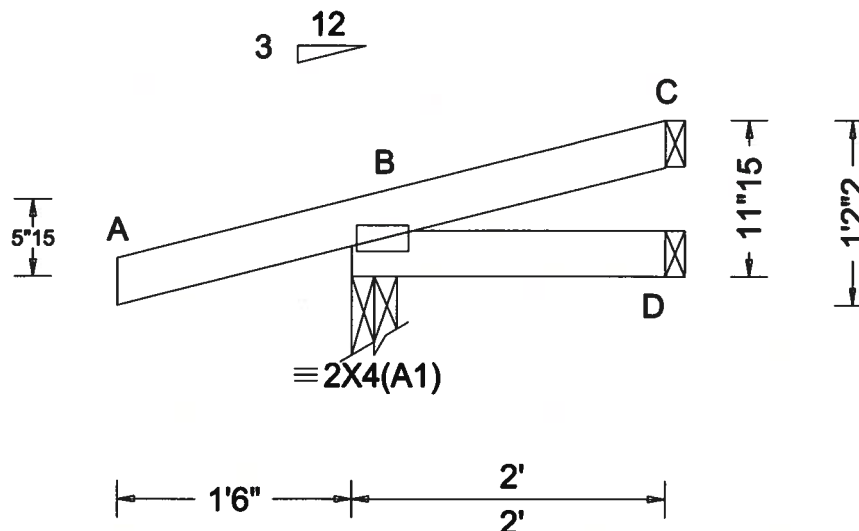
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322086 FROM: CDM	EJAC Qty: 3	Ply: 1	Job Number: 20-3984 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: J02	Cust: R 215 JRef: 1WSQ2150001 T15 DrwNo: 044.20.0910.04473 / YK 02/13/2020
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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: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.268 Max BC CSI: 0.055 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 231 /- /- /135 /93 /30 D 30 /- /- /28 /4 /- C 19 /- /- /12 /12 /- 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;

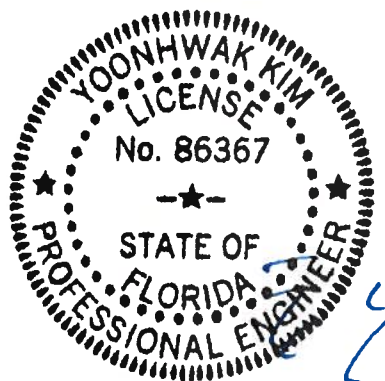
Wind

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 0-11-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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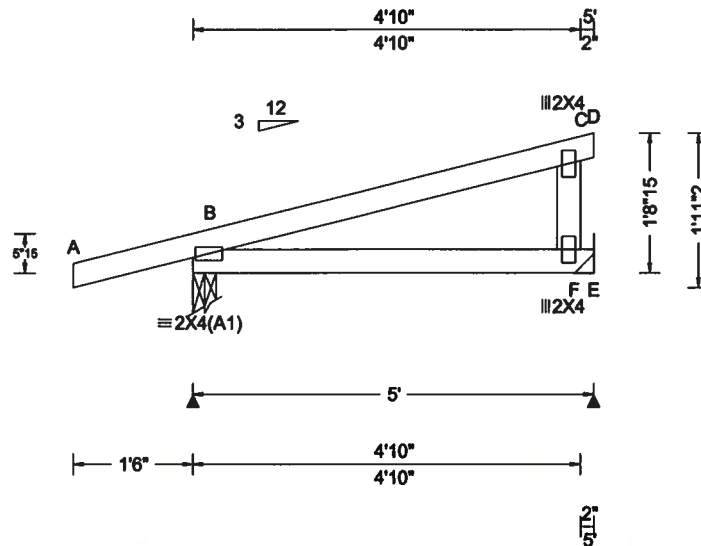
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322087 FROM: CDM	MONO Ply: 1 Qty: 4	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: J03	Cust: R 215 JRef: 1WSQ2150001 T14 DrwNo: 044.20.0910.08107 / YK 02/13/2020
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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: not in 4.50 ft GCpl: 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): 0.002 F - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.254 Max BC CSI: 0.213 Max Web CSI: 0.048 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 316 /- /- /176 /88 /48 E 184 /- /- /99 /38 /- Wind reactions based on MWFRS B Brg Width = 3.5 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 #2;

Hangers / Ties

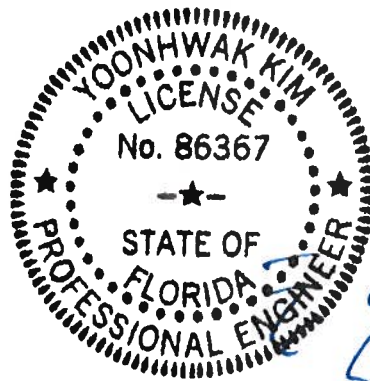
(J) Hanger Support Required, by others

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 1'-8-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

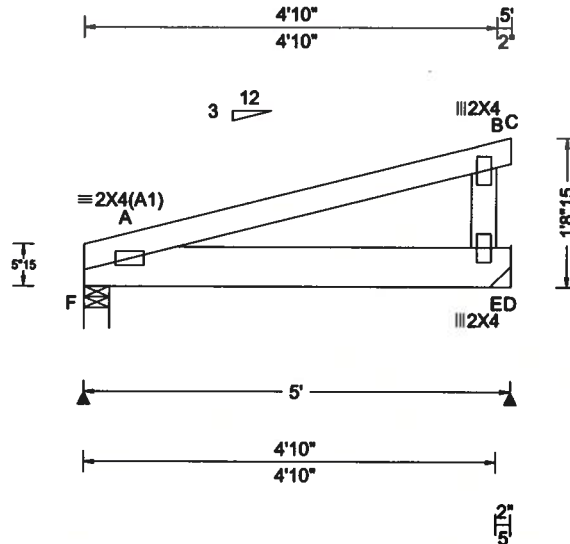
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322088 FROM: CDM	MONO Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: J04	Cust: R215 JRef:1WSQ2150001 T7 DrwNo: 044.20.0910.10793 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 E - - HORZ(TL): 0.008 E - - Creep Factor: 2.0 Max TC CSI: 0.282 Max BC CSI: 0.189 Max Web CSI: 0.042 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F 430 /- /- /- /62 /- D 434 /- /- /- /63 /- Wind reactions based on MWFRS F Brg Width = 3.5 Min Req = 1.5 D Brg Width = - Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Girder supports 6-4-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

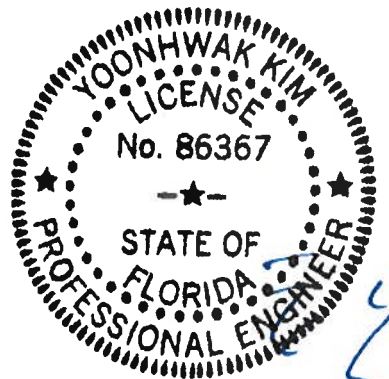
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-8-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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

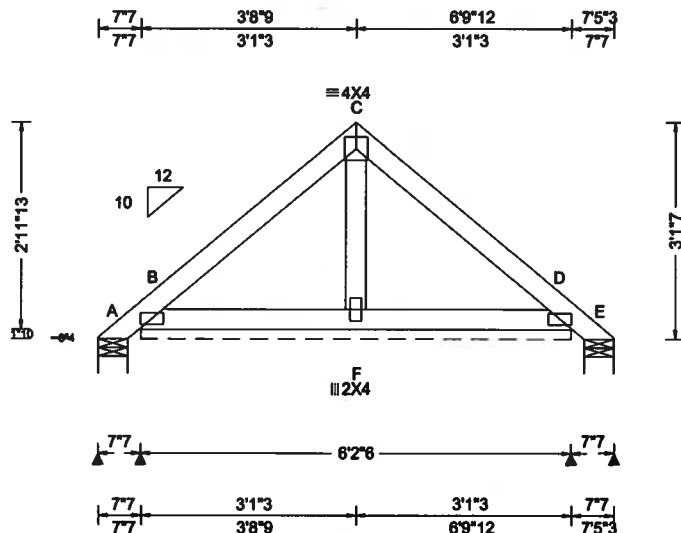
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.tpinet.org; SBCE: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 322089 FROM: CDM	COMN Qty: 19	Ply: 1 Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: P01	Cust: R215 JRef:1WSQ2150001 T3 DrwNo: 044.20.0910.13383 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Δ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 F 999 480 VERT(CL): 0.001 F 999 360 HORZ(LL): 0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.106 Max BC CSI: 0.057 Max Web CSI: 0.012 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity A - /-50 /- /83 /99 /88 B* 95 /- /- /69 /31 /- E - /-50 /- /34 /41 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 74.3 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E 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 #2;

Plating Notes

All plates are 2X4(A1) except as noted.

Purlins

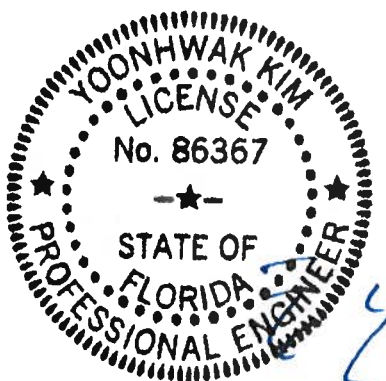
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 3'-1-7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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

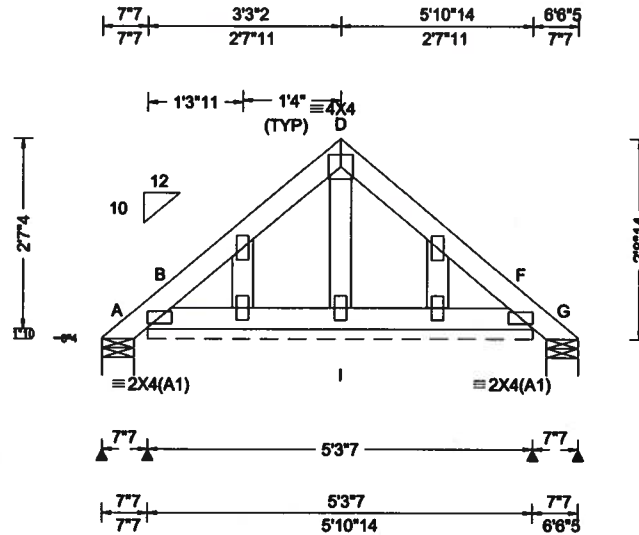
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions.

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

ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 322090 FROM: CDM	GABL Qty: 2	Ply: 1 Qty: 2	Job Number: 20-3984 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: P02	Cust: R 215 JRef: 1WSQ2150001 T29 DrwNo: 044.20.0910.14840 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 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/def L/# VERT(LL): 0.000 D 999 480 VERT(CL): 0.000 D 999 360 HORZ(LL): 0.000 E - - HORZ(TL): 0.001 E - - Creep Factor: 2.0 Max TC CSI: 0.024 Max BC CSI: 0.012 Max Web CSI: 0.015 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 15 /- /- /64 /49 /77 B* 75 /- /- /62 /19 /- G 15 /- /- /16 /4 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 63.4 Min Req = - G Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

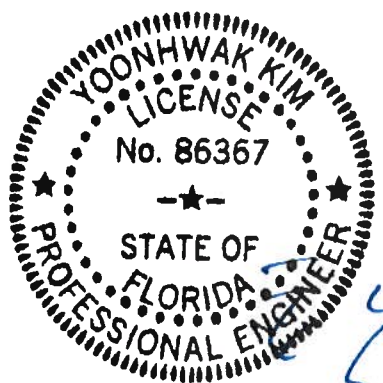
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

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.
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 28-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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

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

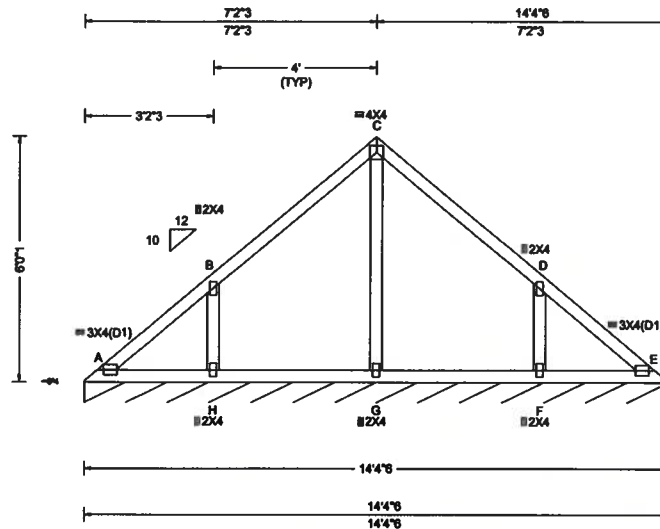
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions.

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ALPINE
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 322081 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V1	Cust: R215 JRef:1WSQ2150001 T19 DrwNo: 044.20.0910.17277 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCCL: 20.00 TCDL: 10.00 BCDL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 480 VERT(CL): 0.003 F 999 360 HORZ(LL): -0.002 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.265 Max BC CSI: 0.110 Max Web CSI: 0.112 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity E* 85 /- /- /47 /- /12 Wind reactions based on MWFRS E Brg Width = 172 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

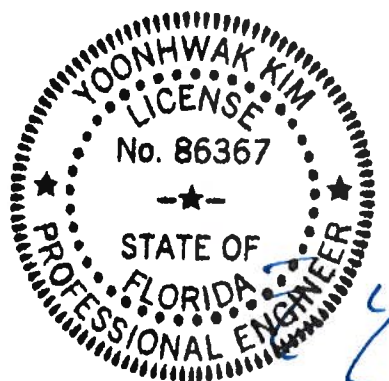
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6-0-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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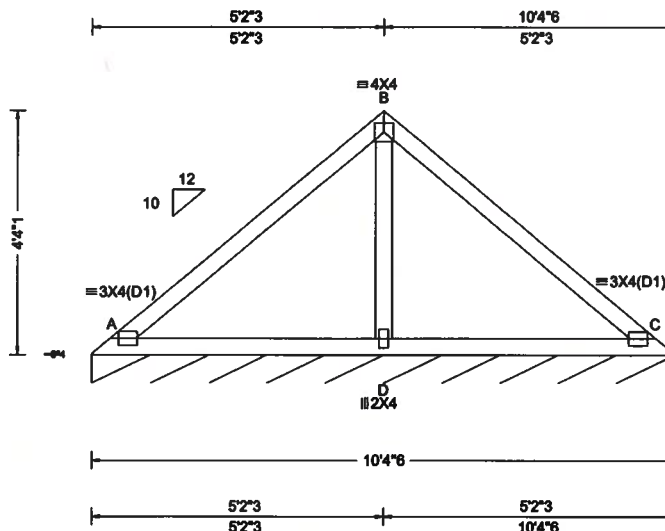
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6750 Forum Drive
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SEQN: 322092 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V2	Cust: R215 JRef:1WSQ2150001 T20 DrwNo: 044.20.0910.18317 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/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: 15.24 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 GCpl: 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/def L/# VERT(LL): 0.012 D 999 480 VERT(CL): 0.026 D 999 360 HORZ(LL): -0.007 D - - HORZ(TL): 0.015 D - - Creep Factor: 2.0 Max TC CSI: 0.400 Max BC CSI: 0.329 Max Web CSI: 0.165 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL C* 85 /- /- /46 /- /11 Wind reactions based on MWFRS C Brg Width = 124 Mln 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 249 - 587

Lumber

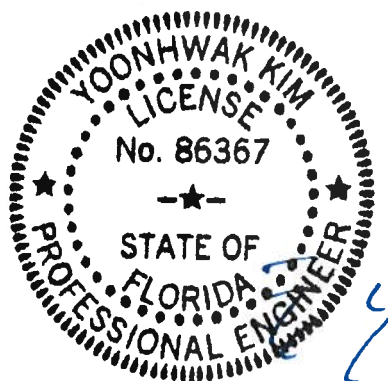
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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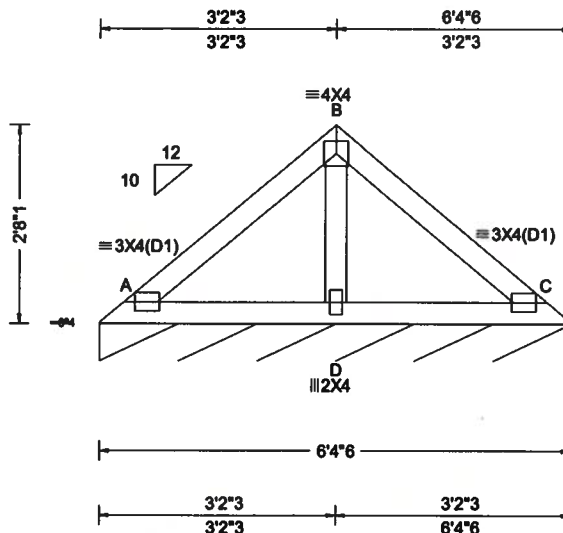
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 322093 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V3	Cust: R 215 JRef:1WSQ2150001 T23 DrwNo: 044.20.0910.19330 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 D 999 480							
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 D 999 360	C*	84	/-	/-	/45	/-	/11
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 D - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.004 D - -	C Brg Width = 76.4 Min Req = -						
Des Ld: 40.00	Mean Height: 16.07 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.140	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	Bldg code: FBC 2017 RES	Max BC CSI: 0.108							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.036							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

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

Wind

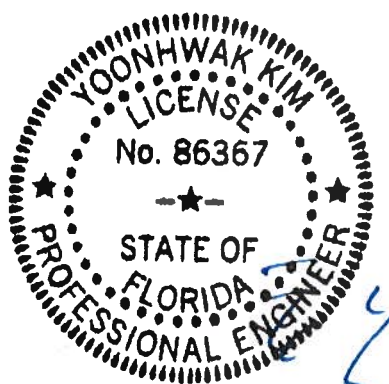
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2'-8-1".



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

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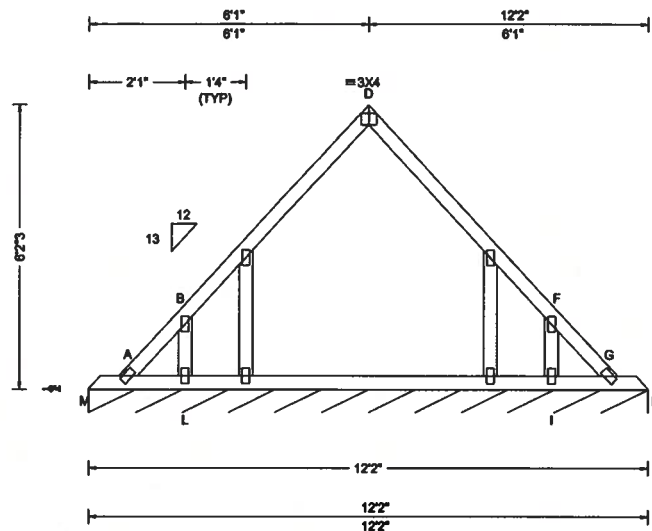
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ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 322094 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V4	Cust: R215 JRef:1WSQ2150001 T10 DrwNo: 044.20.0910.20473 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pl in PSF)	Defl/CSI Criteria	Δ 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 480 VERT(CL): 0.003 D 999 360 HORZ(LL): -0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.072 Max BC CSI: 0.186 Max Web CSI: 0.028 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity H* 87 /- /- /50 /9 /15 Wind reactions based on MWFRS H Brg Width = 146 Min Req = - Bearing M is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

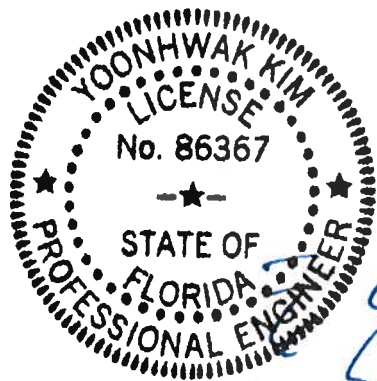
All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 6-2-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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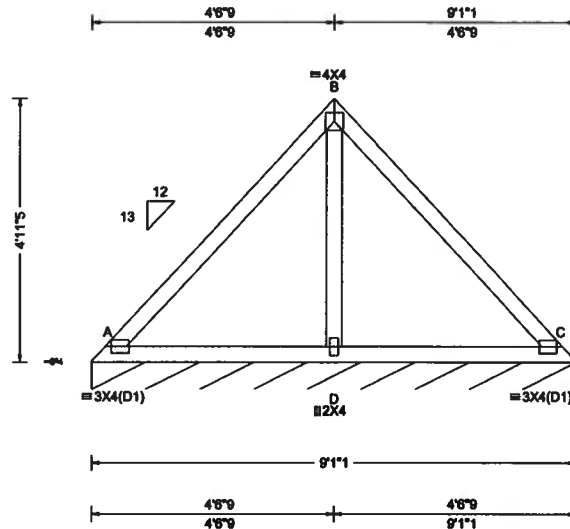
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 322095 FROM: CDM	VAL Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V5	Cust: R 215 JRef:1WSQ2150001 T12 DrwNo: 044.20.0910.21690 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf In PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.007 D 999 480	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.016 D 999 360	C* 88	/-	/-	/51	/9	/16	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 D - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.012 D - -	C Brg Width = 109 Min Req = -						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.313	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.264	Maximum Web Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.160	Webs	Tens.Comp.					
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		B - D	233 -445					
	Loc. from endwall: Any	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08							
	Wind Duration: 1.60	WAVE								

Lumber

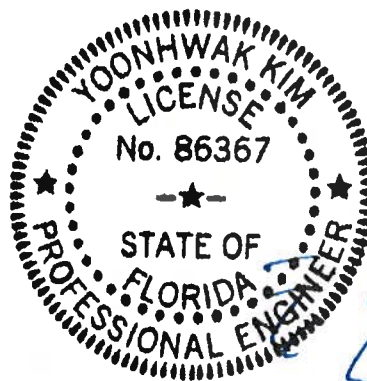
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4'-11.5."



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

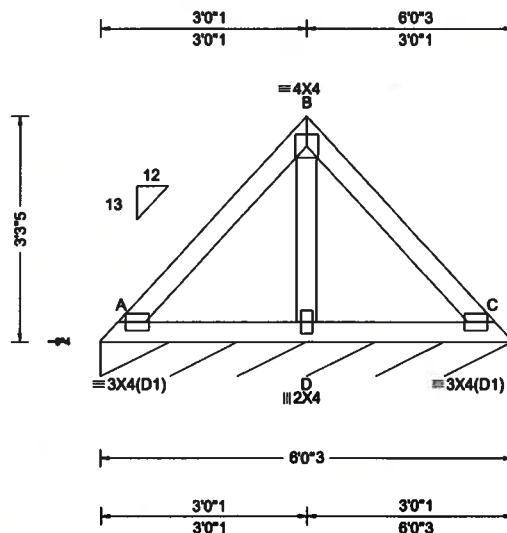
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 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.

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

SEQN: 322096 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V6	Cust: R 215 JRef:1WSQ2150001 T16 DrwNo: 044.20.0910.22827 / YK 02/13/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pl 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: not in 4.50 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 480 VERT(CL): 0.005 D 999 360 HORZ(LL): -0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.109 Max BC CSI: 0.101 Max Web CSI: 0.039 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity C* 87 /- /- /50 /8 /16 Wind reactions based on MWFRS C Brg Width = 72.2 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

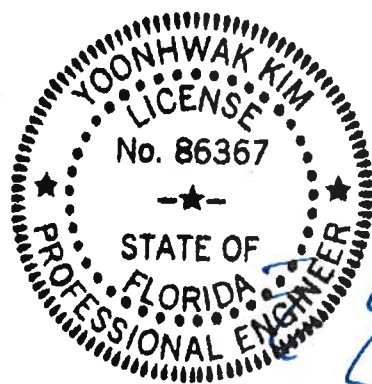
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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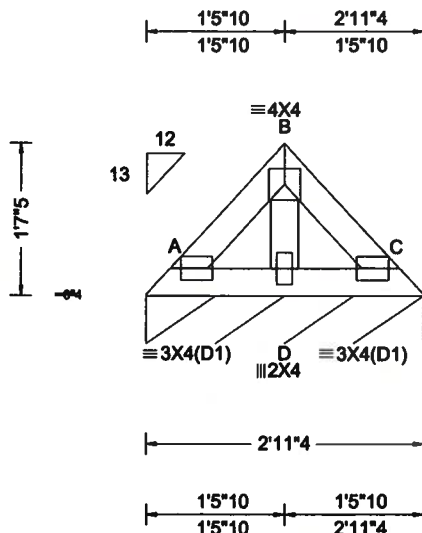
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



6750 Forum Drive
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SEQN: 322097 FROM: CDM	VAL	Pty: 1 Qty: 1	Job Number: 20-3964 /Lot 21 Jewel Lake /Guy Sorensen Milton Smith Truss Label: V7	Cust: R215 JRef:1WSQ2150001 T18 DrwNo: 044.20.0910.25533 / YK 02/13/2020
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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: 15.68 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 480 VERT(CL): 0.001 D 999 360 HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.018 Max BC CSI: 0.015 Max Web CSI: 0.010 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity C* 85 /- /- /47 /7 /13 Wind reactions based on MWFRS C Brg Width = 35.2 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

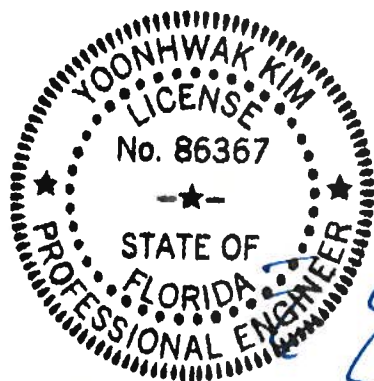
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 1'-7"-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/13/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

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

Bracing Group Species and Grades

Group A1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group B1		
Douglas Fir-Larch		Southern Pine
#3	#3	Std
Standard		Standard

Group C1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group D1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group E1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group F1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group G1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group H1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group I1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group J1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group K1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group L1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group M1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group N1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group O1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group P1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group Q1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group R1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group S1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group T1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group U1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group V1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group W1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group X1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group Y1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group Z1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group AA1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group AB1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group AC1		
Struct-Pine-Fir		Mem-Fir
#1 / #2 (Standard)	#2	Std
#3	#3	Standard

Group AD1		
Douglas Fir-Larch		Southern Pine
#1	#1	Std
#2		#2

Group AE		
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Gable Truss Detail Notes

Wind Load deflection criterion is L/240.

Provide connection for
3/4" dia. steel
welded to base

continuous bearing (5 psf TC Dead Load).

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

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

* For (1) 'L' brace space rolls at 2' o.c.

In 16' end zones and 4' o.c. between zones.

* * * or (2) 1" braces: space nals at 3' o.c.
to 10' and nance and 6' o.c. between nance

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

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

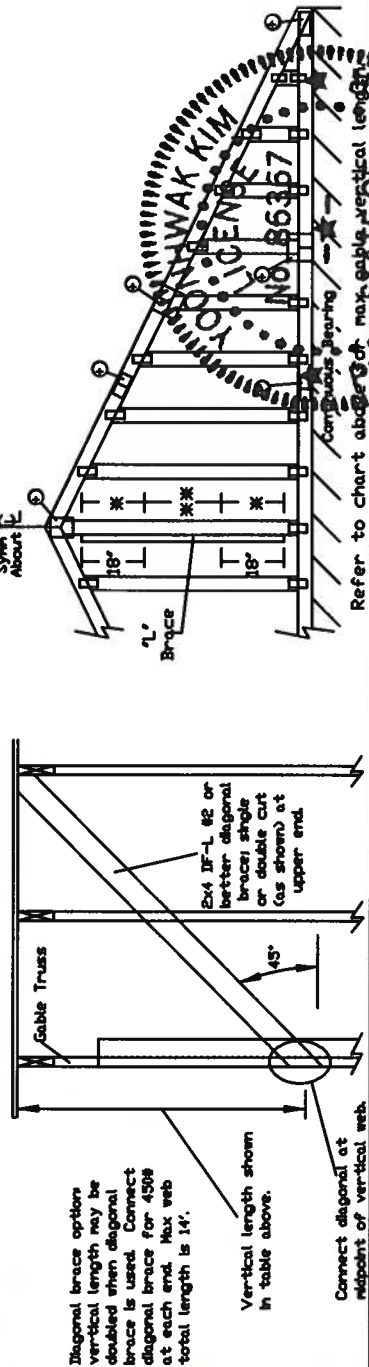
- + Refer to common truss design for peak, gables, and head plates.

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

REF	ASCE7-10-GABI4015
DATE	10/01/14
DRWG	A14015ENC101014

MAX; TDT, LD, 60 PSF

MAX. SPACING 24.0'



Refer to chart above of max. gable vertical length

IMPORTANT—READ AND FOLLOW ALL NOTES ON THIS DRAWING
—FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.

require extreme care in fabricating, handling, shipping, installing and broaching. Refer to end of latest edition of BCCI Guiding Component Safety Information, by TPI and SBCA for safety

to performing these functions. Installers shall provide temporary bracing per local ordinance, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached add railing. Installers shall use permanent interior bracing to maintain the structure in an upright position when the permanent interior bracing is in place.

bracing installed per RCSI sections E2, E7 or E10, as applicable. Apply plates to each face and position as shown above and on the Joint Details, unless noted otherwise.

division of ITV Building Components Group Inc. shall not be responsible for any deviation from drawings 100A-2 for standard plate positions.

the traces of counterfeits with serial 171 2, or for numerous shillings, & broche of trussers.

responsibility solely for the design team. The suitability and use of this drawing structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2.

FOR MORE INFORMATION SEE THE JOBS GENERAL INDEX PAGE AND THESE WEB SITES
 FIND: www.fishbase.org ITP www.itis.gov SICR www.sicr.org ICC www.icc.org

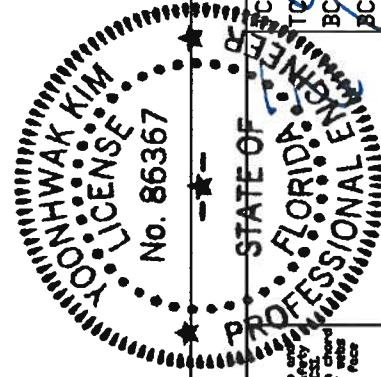
92/13/2020
PL REG# 278.

92/13/2020
AL REG# 278, Yoonhwak Kim, FL PE #86367

Member Substitution

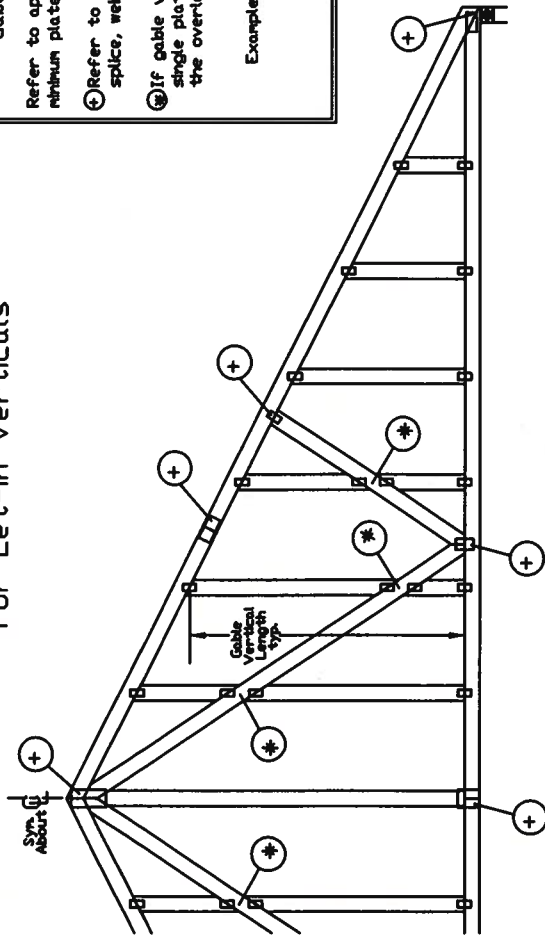
Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

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

[illegible]

REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLESUB0119
PSF	
PSF	
PSF	
PSF	
TDY. LD.	
DUR. FAC.	
SPACING	

Gable Detail For Let-in Verticals

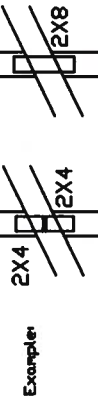


Gable Truss Plate Sizes

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

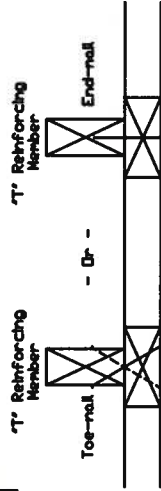
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

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



Example

'T' Reinforcement Attachment Detail



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

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord. 'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

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

Example

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

⊙ 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3" Min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toe-nailed Nails:

10d Common (0.148"x 3" Min) Toe-nails at 4' o.c. plus

(4) toe-nails 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, A1015051014, A10015051014, A14015051014,

A13030051014, A12030051014, A1030051014, A10030051014,

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A115150510118, A120150510118, A140150510118, A100150510118,

A115300510118, A120300510118, A140300510118, A100300510118,

A180300510118, A200300510118, A200300510118, A200300510118,

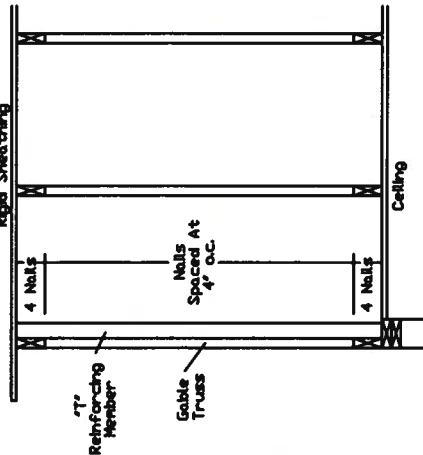
S115150510118, S120150510118, S140150510118, S200150510118,

S115300510118, S120300510118, S140300510118, S200300510118,

S180300510118, S200300510118, S200300510118, S200300510118

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

Rigid Sheeting



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCI Building Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCI. Trusses shall be braced in accordance with the BCI Building Component Safety Information. Trusses shall have bracing installed per BCI sections 32, 37 or 38 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 550A-2 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 or bracing of trusses. A seal on this drawing certifies that the design was prepared by a professional engineer or architect. The seal and signature of the professional engineer or architect shall be on the drawing. The seal and signature of the professional engineer or architect shall be on the drawing. The seal and signature of the professional engineer or architect shall be on the drawing.

For more information see this job's general notes page and these web pages: www.alpineinc.com TPI: www.tpiusa.com SBCA: www.sbcasafety.com IDB: www.idb.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. L.D. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0'

Yoonhyuk Kim, E.L.P.E. #86367

01/02/2018

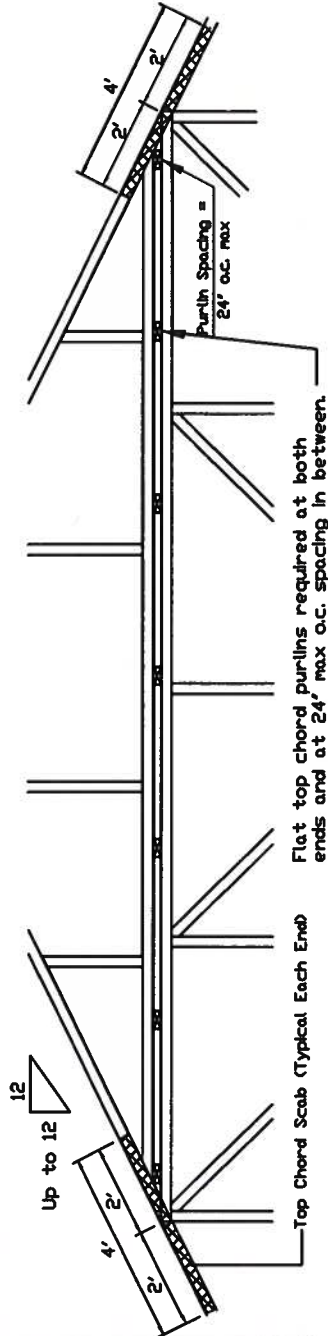
Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

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

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

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

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

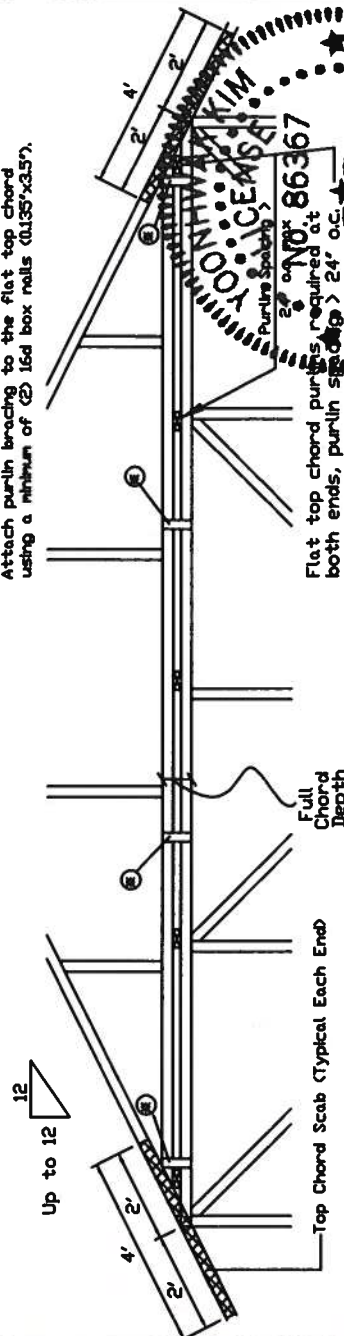


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Tru-lox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (2) 2x8P8 wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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



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

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

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

INSTALLER MUST READ AND FOLLOW ALL NOTES ON THIS DRAWING REGARDING THE INSTALLATION.

Trusses require a minimum of 1/4" thick sheathing, including the roof deck, to be installed over the trusses. The sheathing must be installed in accordance with the manufacturer's instructions. The sheathing must be installed in accordance with the manufacturer's instructions. The sheathing must be installed in accordance with the manufacturer's instructions.

Alpine, a division of ITV 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 shall be provided by the manufacturer. The manufacturer shall be responsible for any structure in the responsibility of the Building Manufacturer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ALPINE www.alpineinc.com TPI www.tpiinc.com SEC www.sectra.com ITV www.itv.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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

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

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

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

2x8P8 Wave Piggyback Plate
One 2x8P8 wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at top of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

REF PIGGYBACK
DATE 10/01/14
DRWG PB160101014

SPACING 24.0'

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 21 Jewel Lake Street: City, State, Zip: Lake City, FL, 32025 Owner: Design Location: FL, Gainesville	Builder Name: Sorensen & Smith, LLC. Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
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Glass/Floor Area: 0.180	Total Proposed Modified Loads: 39.10	PASS
	Total Baseline Loads: 40.13	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u> </u> DATE: <u>1/31/2020</u> I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: <u> </u> DATE: <u> </u>	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. BUILDING OFFICIAL: <u> </u> DATE: <u> </u> 
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Lot 21 Jewel Lake	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1200	Lot #:	21
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 %	2.5 %	Int Design Temp Winter	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	1200	10800

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1200	10800	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	140 ft	0	1200 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	1442 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	1200 ft²	Y	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Double Batt	1260 ft²	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓ #	Omt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
1	S	Exterior	Frame - Wood	Main	13	16		9		144.0 ft²		0.23	0.75	0
2	S	Exterior	Frame - Wood	Main	13	14		9		126.0 ft²		0.23	0.75	0
3	E	Exterior	Frame - Wood	Main	13	40		9		360.0 ft²		0.23	0.75	0
4	N	Exterior	Frame - Wood	Main	13	30		9		270.0 ft²		0.23	0.75	0
5	W	Exterior	Frame - Wood	Main	13	21	8	9		195.0 ft²		0.23	0.75	0
6	W	Exterior	Frame - Wood	Main	13	18	4	9		165.0 ft²		0.23	0.75	0

DOORS

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

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Omt	Wall ID	Frame	Panels	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	6 ft 6 in	1 ft 0 in	None	None
2	S	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 0 in	6 ft 0 in	None	None
3	E	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	45.0 ft²	1 ft 6 in	1 ft 0 in	None	None
4	N	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 0 in	6 ft 0 in	None	None
5	N	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	1 ft 0 in	6 ft 0 in	None	None
6	W	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	30.0 ft²	1 ft 6 in	1 ft 0 in	None	None
7	W	5	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.0 ft²	1 ft 6 in	1 ft 0 in	None	None
8	W	6	TIM	Low-E Double	Yes	0.36	0.25	N	40.0 ft²	10 ft 0 in	1 ft 0 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	900	49.41	92.92	.1128	5

HEATING SYSTEM

✓ #	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump/	None	Single	HSPF:8.2	19.96 kBtu/hr	1	sys#1

COOLING SYSTEM

✓ #	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
1	Central Unit/	None	Single	SEER: 15	16.89 kBtu/hr	510 cfm	0.7	1	sys#1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Main	0.92	40 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	LeakageType	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
✓	1	Attic	6	300 ft²	Attic	60 ft²	Default Leakage	Main	(Default)	c(Default)	c		1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	☒ Jan	☒ Feb	☒ Mar	☐ Apr	☐ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☐ Oct	☒ Nov	☒ Dec
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ Nov	☒ Dec
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ Nov	☒ Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	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. <u>New (From Plans)</u>	12. Ducts, location & insulation level
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts R <u>6.0</u>
4. Number of bedrooms	4. <u>3</u>	c) AHU location <u>Main</u>
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system: Capacity <u>16.9</u>
6. Conditioned floor area (sq. ft.)	6. <u>1200</u>	a) Split system SEER <u> </u>
7. Windows, type and area		b) Single package SEER <u> </u>
a) U-factor:(weighted average)	7a. <u>0.360</u>	c) Ground/water source SEER/COP <u> </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.250</u>	d) Room unit/PTAC EER <u> </u>
c) Area	7c. <u>216.0</u>	e) Other <u>15.0</u>
8. Skylights		14. Heating system: Capacity <u>20.0</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump HSPF <u> </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump HSPF <u> </u>
9. Floor type, insulation level:		c) Electric resistance COP <u> </u>
a) Slab-on-grade (R-value)	9a. <u>0.0</u>	d) Gas furnace, natural gas AFUE <u> </u>
b) Wood, raised (R-value)	9b. <u> </u>	e) Gas furnace, LPG AFUE <u> </u>
c) Concrete, raised (R-value)	9c. <u> </u>	f) Other <u>8.20</u>
10. Wall type and insulation:		15. Water heating system
A. Exterior:		a) Electric resistance EF <u>0.92</u>
1. Wood frame (Insulation R-value)	10A1. <u>13.0</u>	b) Gas fired, natural gas EF <u> </u>
2. Masonry (Insulation R-value)	10A2. <u> </u>	c) Gas fired, LPG EF <u> </u>
B. Adjacent:		d) Solar system with tank EF <u> </u>
1. Wood frame (Insulation R-value)	10B1. <u> </u>	e) Dedicated heat pump with tank EF <u> </u>
2. Masonry (Insulation R-value)	10B2. <u> </u>	f) Heat recovery unit HeatRec% <u> </u>
11. Ceiling type and insulation level		g) Other <u> </u>
a) Under attic	11a. <u>38.0</u>	16. HVAC credits claimed (Performance Method)
b) Single assembly	11b. <u> </u>	a) Ceiling fans <u> </u>
c) Knee walls/skylight walls	11c. <u> </u>	b) Cross ventilation <u>Yes</u>
d) Radiant barrier installed	11d. <u>Yes</u>	c) Whole house fan <u>No</u>
		d) Multizone cooling credit <u> </u>
		e) Multizone heating credit <u> </u>
		f) Programmable thermostat <u>Yes</u>

*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: 21

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

$$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{10800}{\text{ACH}(50)} =$$



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 21 Jewel Lake

Lake City, FL 32025

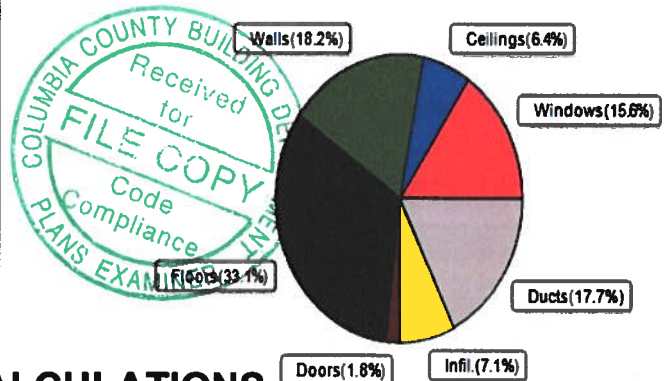
1/31/2020

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
Total heating load calculation	19961 Btuh	Total cooling load calculation	17232 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	100.0 19961	Sensible (SHR = 0.70)	82.5 11825
Heat Pump + Auxiliary(0.0kW)	100.0 19961	Latent	174.4 5068
		Total (Electric Heat Pump)	98.0 16893

WINTER CALCULATIONS

Winter Heating Load (for 1200 sqft)

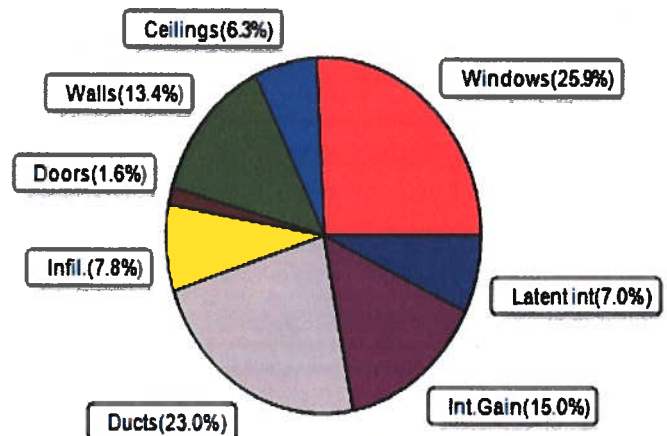
Load component		Load	
Window total	216 sqft	3110	Btuh
Wall total	1024 sqft	3636	Btuh
Door total	20 sqft	368	Btuh
Ceiling total	1260 sqft	1279	Btuh
Floor total	1200 sqft	6608	Btuh
Infiltration	32 cfm	1422	Btuh
Duct loss		3537	Btuh
Subtotal		19961	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		19961	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1200 sqft)

Load component		Load	
Window total	216 sqft	4459	Btuh
Wall total	1024 sqft	2318	Btuh
Door total	20 sqft	276	Btuh
Ceiling total	1260 sqft	1087	Btuh
Floor total		0	Btuh
Infiltration	24 cfm	507	Btuh
Internal gain		2580	Btuh
Duct gain		3099	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		14325	Btuh
Latent gain(ducts)		866	Btuh
Latent gain(infiltration)		841	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		2907	Btuh
TOTAL HEAT GAIN		17232	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

1/31/2020

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Lake City, FL 32025

Project Title:
Lot 21 Jewel Lake
Building Type: User

1/31/2020

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

Component Loads for Whole House									
Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load	
1	2, NFRC 0.25	Vinyl	0.36	S	30.0		14.4	432 Btuh	
2	2, NFRC 0.25	Vinyl	0.36	S	30.0		14.4	432 Btuh	
3	2, NFRC 0.25	Vinyl	0.36	E	45.0		14.4	648 Btuh	
4	2, NFRC 0.25	Vinyl	0.36	N	15.0		14.4	216 Btuh	
5	2, NFRC 0.25	Vinyl	0.36	N	20.0		14.4	288 Btuh	
6	2, NFRC 0.25	Vinyl	0.36	W	30.0		14.4	432 Btuh	
7	2, NFRC 0.25	Vinyl	0.36	W	6.0		14.4	86 Btuh	
8	2, NFRC 0.25	TIM	0.36	W	40.0		14.4	576 Btuh	
	Window Total					216.0(sqft)			3110 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load	
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	94		3.55	334 Btuh	
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	96		3.55	341 Btuh	
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	315		3.55	1118 Btuh	
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	235		3.55	834 Btuh	
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	159		3.55	565 Btuh	
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	125		3.55	444 Btuh	
	Wall Total					1024(sqft)			3636 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load	
1	Insulated - Exterior, n		(0.460)		20		18.4	368 Btuh	
	Door Total					20(sqft)			368Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load	
1	Vented Attic/L/Shing		(0.025)	38.0/0.0	1260		1.0	1279 Btuh	
	Ceiling Total					1260(sqft)			1279Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load	
1	Slab On Grade		(1.180)	0.0	140.0 ft(perim.)		47.2	6608 Btuh	
	Floor Total					1200 sqft			6608 Btuh
	Envelope Subtotal:							15001 Btuh	
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio		CFM=	Load	
	Natural		0.18	10800	1.00		32.5	1422 Btuh	
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)						(DLM of 0.215)	3537 Btuh	
All Zones	Sensible Subtotal All Zones							19961 Btuh	

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lake City, FL 32025

Project Title:
Lot 21 Jewel Lake
Building Type: User

1/31/2020

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	19961 Btuh 0 Btuh 19961 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	19961 Btuh
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Lot 21 Jewel Lake

Lake City, FL 32025

1/31/2020

Reference City: Gainesville, FL

Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

Window	Type*						Overhang		Window Area(sqft)			HTM		Load	
	Panes	SHGC	U	InSh	IS	Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.25, 0.36	No	No	S		6.5ft.	1.0ft.	30.0	30.0	0.0	12	14	363	Btuh
2	2 NFRC	0.25, 0.36	No	No	S		1.0ft.	6.0ft.	30.0	0.0	30.0	12	14	422	Btuh
3	2 NFRC	0.25, 0.36	No	No	E		1.5ft.	1.0ft.	45.0	2.2	42.8	12	31	1351	Btuh
4	2 NFRC	0.25, 0.36	No	No	N		1.0ft.	6.0ft.	15.0	0.0	15.0	12	12	181	Btuh
5	2 NFRC	0.25, 0.36	No	No	N		1.0ft.	6.0ft.	20.0	0.0	20.0	12	12	242	Btuh
6	2 NFRC	0.25, 0.36	No	No	W		1.5ft.	1.0ft.	30.0	1.5	28.5	12	31	901	Btuh
7	2 NFRC	0.25, 0.36	No	No	W		1.5ft.	1.0ft.	6.0	0.5	5.5	12	31	176	Btuh
8	2 NFRC	0.25, 0.36	No	No	W		10.0f	1.0ft.	40.0	40.0	0.0	12	31	484	Btuh
	Excursion													339	Btuh
	Window Total								216 (sqft)					4459 Btuh	
Walls	Type	U-Value				R-Value		Area(sqft)			HTM		Load		
							Cav/Sheath								
1	Frame - Wood - Ext					0.09	13.0/0.0		94.0			2.3		213	Btuh
2	Frame - Wood - Ext					0.09	13.0/0.0		96.0			2.3		217	Btuh
3	Frame - Wood - Ext					0.09	13.0/0.0		315.0			2.3		713	Btuh
4	Frame - Wood - Ext					0.09	13.0/0.0		235.0			2.3		532	Btuh
5	Frame - Wood - Ext					0.09	13.0/0.0		159.0			2.3		360	Btuh
6	Frame - Wood - Ext					0.09	13.0/0.0		125.0			2.3		283	Btuh
	Wall Total								1024 (sqft)					2318 Btuh	
Doors	Type	U-Value				R-Value		Area (sqft)			HTM		Load		
1	Insulated - Exterior								20.0			13.8		276	Btuh
	Door Total								20 (sqft)					276 Btuh	
Ceilings	Type/Color/Surface	U-Value				R-Value		Area(sqft)			HTM		Load		
1	Vented AtticLight/Shingle/RB					0.025	38.0/0.0		1260.0			0.86		1087	Btuh
	Ceiling Total								1260 (sqft)					1087 Btuh	
Floors	Type	U-Value				R-Value		Size			HTM		Load		
1	Slab On Grade						0.0		1200 (ft-perimeter)			0.0		0	Btuh
	Floor Total								1200.0 (sqft)					0 Btuh	
	Envelope Subtotal:													8140 Btuh	
Infiltration	Type	Average ACH				Volume(cuft)		Wall Ratio		CFM=		Load			
	Natural					0.14			10800		1	24.4		507	Btuh
Internal gain		Occupants				Btuh/occupant		Appliance		Load					
						6	X	230	+		1200			2580	Btuh
	Sensible Envelope Load:													11227 Btuh	
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)	(DGM of 0.276)				Load									
														3099	Btuh
	Sensible Load All Zones													14325 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Lot 21 Jewel Lake

Lake City, FL 32025

1/31/2020

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	11227 Btuh
	Sensible Duct Load	3099 Btuh
	Total Sensible Zone Loads	14325 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14325 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	841 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	866 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	2907 Btuh
	TOTAL GAIN	17232 Btuh

EQUIPMENT

1. Central Unit	#	16893 Btuh
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*Key: Window types (Panels - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)



Version 8