

Columbia County New Building Permit Application

For Office Use Only

Application # 44420 Date Received 1/27 By MG Permit # 39363/39364

Zoning Official LW/CH Date 1-29-20 Flood Zone X Land Use RLD Zoning PRD

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner 1.C Date 2-10-20

Comments _____

- ☒ NOC ☒ DE ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel # _____
- ☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____
- ☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 20-0102 OR City Water ☒ Fax _____

Applicant (Who will sign/pickup the permit) KEVIN BEDENBAUGH Phone 386-365-5264

Address 232 NW Chaoley LN, Lake City, FL 32055

Owners Name 386 Development LLC. Phone 386-984-6020

911 Address 148 SW Cherry Blossom Way, Lake City, FL 32024

Contractors Name KEVIN BEDENBAUGH Phone 386-365-5264

Address 232 NW Chaoley LN, Lake City, FL 32055

Contractor Email PLUMB LEVEL CONSTRUCTION@gmail.com ***Include to get updates on this job.

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address RIDGEPOINT DESIGN 818 WAX DUVAL ST. LAKE CITY, FL 32055

Mortgage Lenders Name & Address _____

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

Property ID Number 15-45-16-03011-128 Estimated Construction Cost 145,000

Subdivision Name ROSE POINTE Lot 28 Block _____ Unit _____ Phase _____

Driving Directions from a Major Road Branford Hwy South, Left on

ROSE POINTE PLACE, Right on Cherry Blossom 3rd lot on Right

Construction of SFR Commercial OR ☒ Residential

Proposed Use/Occupancy SFR Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? _____ 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 35 Side 14.9 Side 14.9 Rear 76.85

Number of Stories 1 Heated Floor Area 1570 Total Floor Area 2150 Acreage .3

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

2/19-email sent

Columbia County Building Permit Application

CODE: Florida Building Code 2017 and the 2014 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.

KEVIN A. GRAY
Print Owners Name

[Signature]
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.

[Signature]
Contractor's Signature

Contractor's License Number CGC1516042
Columbia County
Competency Card Number 327

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

Personally known ☒ or Produced Identification FDC

[Signature]
State of Florida Notary Signature (For the Contractor)

SEAL:



SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME 386 Development Lot 28

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 <input checked="" type="checkbox"/>	Print Name <u>RYAN BEVILLE</u> Signature <u>Ryan Beville</u> Company Name: <u>RBI ELECTRICAL CONTRACTING, LLC</u> License #: <u>EC13004234</u> Phone #: <u>352-339-0369</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
MECHANICAL/A/C <input type="checkbox"/>	Print Name <u>TIM SHATTO</u> Signature <u>Tim Shatto</u> Company Name: <u>SHATTO Heating & Air, Inc</u> License #: <u>CAC 057875</u> Phone #: <u>386-496-8224</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
PLUMBING/GAS <input checked="" type="checkbox"/>	Print Name <u>MARIC GANSTOP</u> Signature <u>Mark Ganstop</u> Company Name: <u>Express Plumbing</u> License #: <u>CPC 1428040</u> Phone #: <u>867-0269</u>	Need <input type="checkbox"/> Lic <input checked="" type="checkbox"/> Liab <input checked="" type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
ROOFING <input checked="" type="checkbox"/>	Print Name <u>KEVIN BEDENBAUGH</u> Signature <u>Kevin Bedenbaugh</u> Company Name: <u>PLUMB LEVEL CONSTRUCTION</u> License #: <u>CCC 1329482</u> Phone #: <u>365-5264</u>	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
SHEET METAL <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
FIRE SYSTEM/SPRINKLER <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
SOLAR <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
STATE SPECIALTY <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values

updated: 1/6/2020

Parcel: << 15-4S-16-03011-128 >>

Aerial Viewer Pictometry Google Maps

Owner & Property Info

Result: 1 of 5

Owner	386 DEVELOPMENT INC 792 SW BASCOM NORRIS DR LAKE CITY, FL 32025		
Site	148 CHERRY BLOSSOM WAY, LAKE CITY		
Description*	LOT 28 ROSE POINTE S/D. CT 1259-1404 & WD 1271-549 WD 1271-2022, CT 1350-2709, WD 1400-2501,		
Area	0.3 AC	S/T/R	15-4S-16
Use Code**	VACANT (000000)	Tax District	3

*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)	\$13,240	Mkt Land (1)	\$13,240
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$13,240	Just	\$13,240
Class	\$0	Class	\$0
Appraised	\$13,240	Appraised	\$13,240
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$13,240	Assessed	\$13,240
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$13,240 city:\$13,240 other:\$13,240 school:\$13,240	Total Taxable	county:\$13,240 city:\$13,240 other:\$13,240 school:\$13,240

**▼ Sales History**

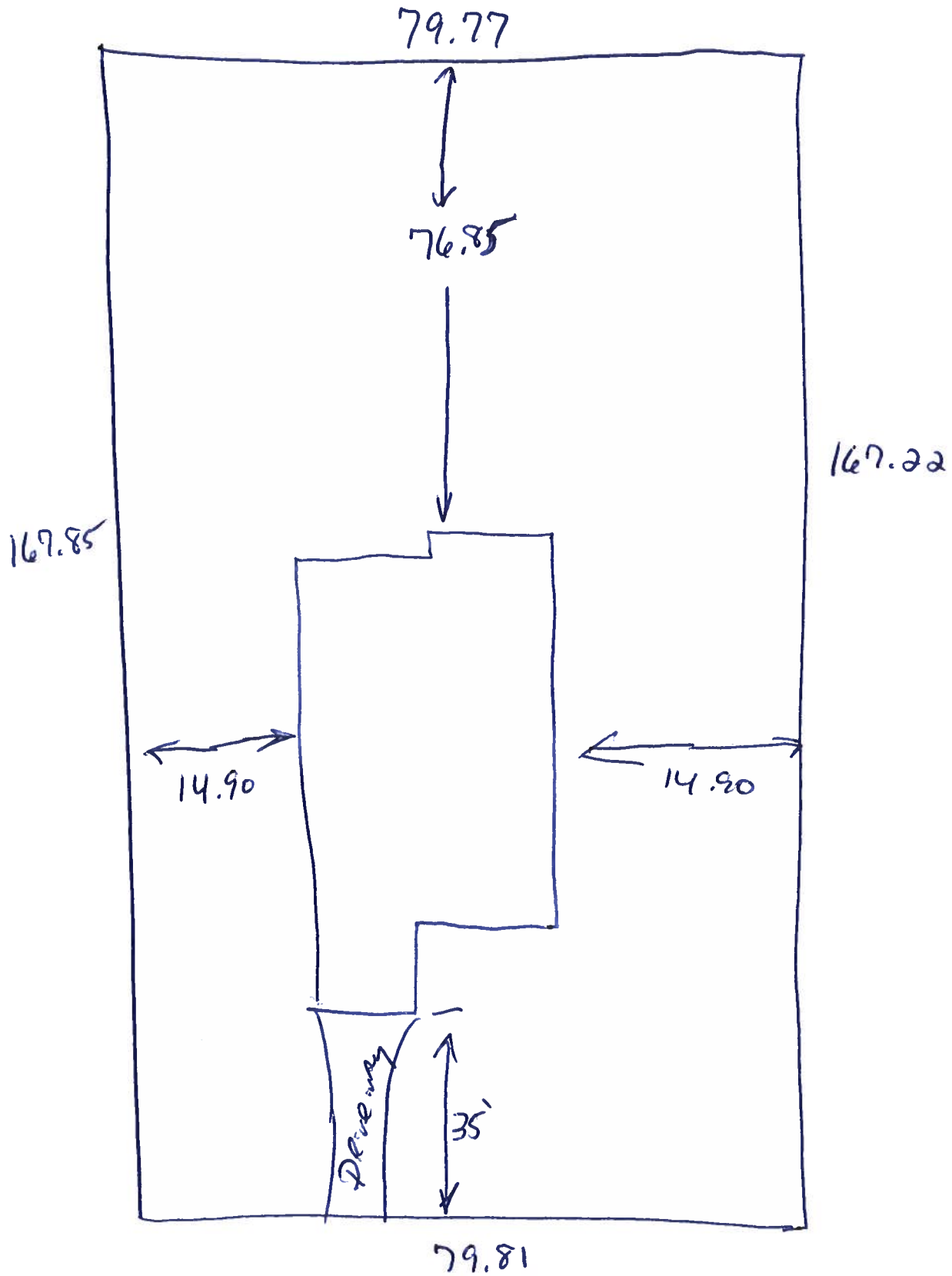
Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
12/2/2019	\$100	1400/2501	WD	V	U	12
12/20/2017	\$100	1350/2709	CT	V	U	18
3/17/2014	\$300,000	1271/2022	WD	V	Q	05 (Multi-Parcel Sale) - show
3/17/2014	\$175,000	1271/0549	WD	V	U	12
8/5/2013	\$100	1259/1404	CT	V	U	18

▼ 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						



LOT 28
Rose Pointe.

Roads

Roads

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

LidarElevations



Parcel Information

Parcel No: 15-4S-16-03011-128

Owner: 386 DEVELOPMENT INC

Subdivision: ROSE POINTE

Lot: 28

Acres: 0.307669461

Deed Acres:

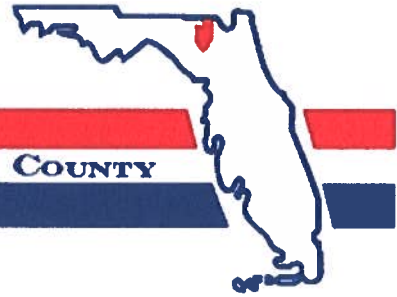
District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD, RSF-2

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: **1/23/2020 8:04:34 PM**
Address: **148 SW CHERRY BLOSSOM Way**
City: **LAKE CITY**
State: **FL**
Zip Code **32024**

Parcel ID **03011-128**

REMARKS: Address Verification.

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**



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Detail By Document Number](#) /

Detail by Entity Name

Florida Limited Liability Company
386 DEVELOPMENT LLC

Filing Information

Document Number	L17000029056
FEI/EIN Number	81-5240234
Date Filed	02/06/2017
Effective Date	02/06/2017
State	FL
Status	ACTIVE

Principal Address

301 NW Cole Terrace #103
LAKE CITY, FL 32055

Changed: 01/16/2020

Mailing Address

301 NW Cole Terrace #103
LAKE CITY, FL 32055

Changed: 01/16/2020

Registered Agent Name & Address

WOMBLE, WILLIAM B
533 NW AMANDA ST
LAKE CITY, FL 32055

Authorized Person(s) Detail

Name & Address

Title MGR

GRAY, KEVIN
792 SW BASCOM NORRIS DR
LAKE CITY, FL 32025

Title MGR

WOMBLE, WILLIAM
533 NW AMANDA ST
LAKE CITY, FL 32055



January 29, 2020

386 Development, Inc.
792 SW Bascom Norris Dr.
Lake City, FL 32025

RE: Rose Pointe S/D, Lot 28
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 available to tap into at 148 SW Cherry Blossom Way, Parcel 15-4S-16-03011-128.

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

8/9/84

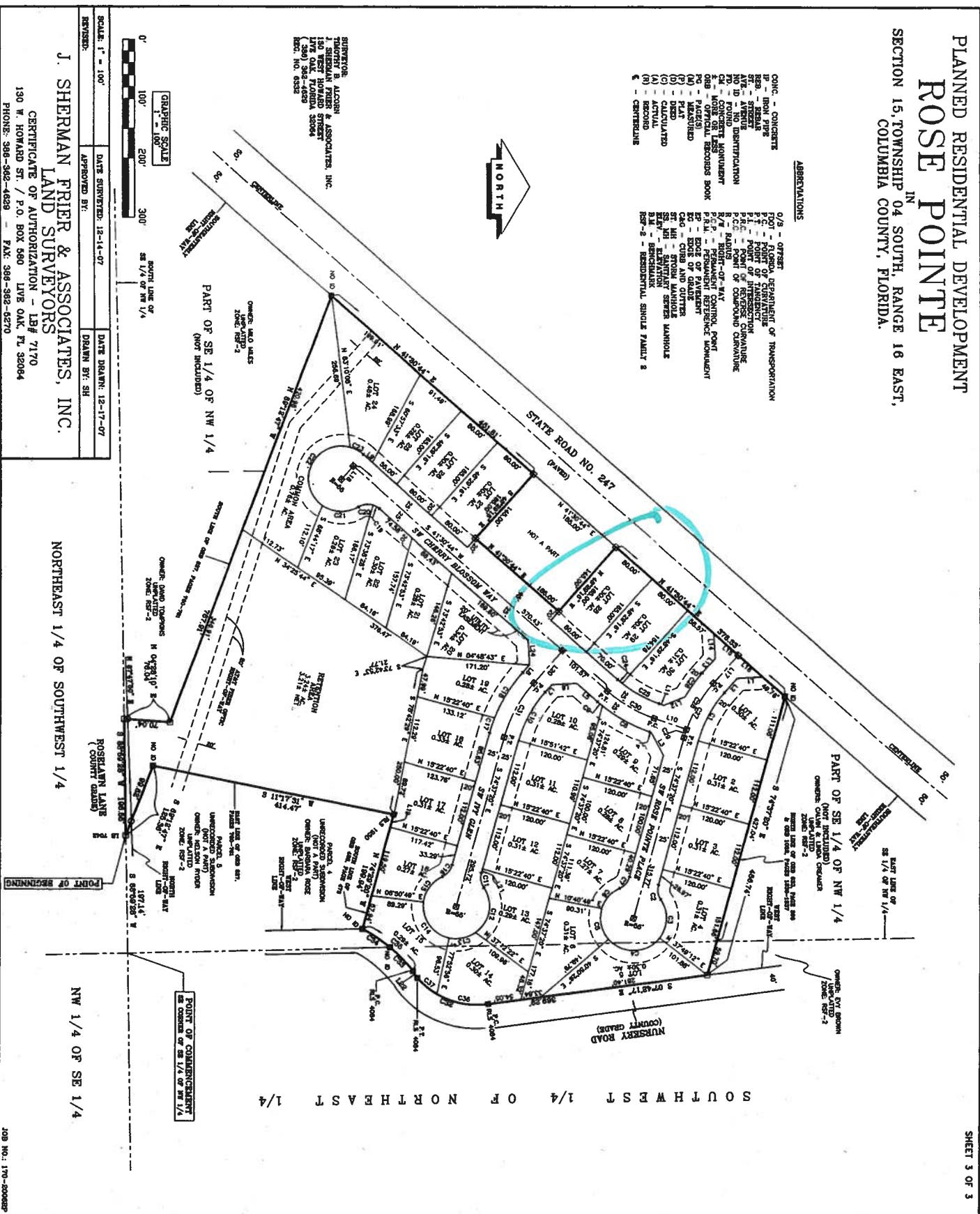
ABBREVIATIONS



ROSELAWN LANE
(COUNTY GRADE)

NORTHEAST 1/4 OF SOUTHWEST 1/4

JOB NO.: 170-2006EP



44420

#28

Inst: 202012002463 Date: 01/30/2020 Time: 4:08PM
Page 1 of 1 B: 1494 P: 1683, P. DeWitt Cason, Clerk of Court
Columbia County, By: PT
Deputy Clerk

NOTICE OF COMMENCEMENT

The undersigned hereby gives notice that improvement will be made to certain real property, and, in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:


1. Description of Property: PIN: 15-4S-16-03011-128 (148 SW Cherry Blossom Way, Lake City, FL 32024)
General Description of Improvements: New Home
2. Owner Information:
 - a. Name and Address: 386 DEVELOPMENT, LLC
792 SW Bascom Norris Drive
Lake City, Florida 32025
 - b. Interest in property: Fee Simple.
 - c. Names and address of fee simple title holder (if other than owner):
3. Contractor: PLUMB LEVEL CONSTRUCTION
232 NW Chadley Lane, Lake City, FL 32055
(386) 365-5264
4. Surety: N/A
5. Lender: Drummond Community Bank
350 SW Main Blvd., Lake City, Florida 32025
6. Persons 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: (name) _____ (phone) _____
7. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (name) _____ (phone) _____
8. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified):

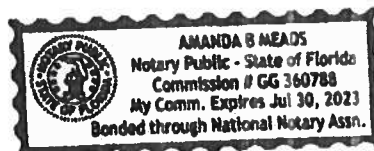
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED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


BRAD WOMBLE/KEVIN GRAY, Mgr., 386 DEVELOPMENT, LLC

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to and subscribed before me this 30 day of Jan., 2020, by BRAD WOMBLE or KEVIN GRAY, as Manager of 386 DEVELOPMENT, LLC, who is personally known to me or who did provide FL DRIVERS' LICENSE as identification.


Signature of Notary Public
Notary Public
My Commission Expires: July 30, 2023





STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

App #44420
PERMIT NO. 20-0102
DATE PAID: 2/10/20
FEE PAID: 310.00
RECEIPT #: 14224850

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: 386 DevelopmentAGENT: ROCKY FORD, A & B CONSTRUCTIONTELEPHONE: 386-497-2311MAILING ADDRESS: 546 SW Dortch Street, FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(a) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 28 BLOCK: NA SUB: Rose Pointe PLATTED: 2005PROPERTY ID #: 15-48-16-03011-128 ZONING: _____ I/M OR EQUIVALENT: ☒ Y / ☒ NPROPERTY SIZE: .30 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☐ <2000GPD ☒ >2000GPDIS SEWER AVAILABLE AS PER 381.0065, FS? ☒ Y / ☒ N DISTANCE TO SEWER: NA FTPROPERTY ADDRESS: 148 Cherry Blossom Way Lake City FL

DIRECTIONS TO PROPERTY: Go W. Left on 247 Left on Rose Pointe Pl.
Right on Cherry Blossom Way to lot on Right

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	3	1570	
2				
3				

☐ Floor/Equipment Drains ☐ Other (Specify) _____SIGNATURE: William D. Bishop IIDATE: 2/4/2020

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6:001, FAC



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ON-SITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM

PERMIT #: **12-SC-2037659**
APPLICATION #: **AP1466850**
DATE PAID: **2/10/20**
FEE PAID: **302**
RECEIPT #:
DOCUMENT #: **PR1303146**

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: 386 **20-0102 DEVELOPMENT INC

PROPERTY ADDRESS: 148 CHERRY BLOSSOM Way Lake City, FL 32024

LOT: 28 BLOCK: SUBDIVISION: ROSE POINTE

PROPERTY ID #: 03011-128 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [900] GALLONS / GPD Septic Tank CAPACITY
A [] GALLONS / GPD N/A CAPACITY
N [] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [] GALLONS DOSING TANK CAPACITY [] GALLONS @ [] DOSES PER 24 HRS #Pumps []

D [462] SQUARE FEET Drainfield SYSTEM
R [] SQUARE FEET N/A SYSTEM

A TYPE SYSTEM: [X] STANDARD [] FILLED [] MOUND []

I CONFIGURATION: [X] TRENCH [] BED []

F LOCATION OF BENCHMARK: Nail w/ ribbon in pine West of site.

I ELEVATION OF PROPOSED SYSTEM SITE [12.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

E BOTTOM OF DRAINFIELD TO BE [42.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

D FILL REQUIRED: [0.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

The system is sized for 3 bedrooms with a maximum occupancy of 6 persons (2 per bedroom), for a total estimated flow of 300 gpd.

SPECIFICATIONS BY: WILLIAM D BISHOP

TITLE: SA0890009; SM0081587

APPROVED BY: Dustin W Jones

TITLE: Environmental Specialist II

Columbia CHD

DATE ISSUED: 02/13/2020

EXPIRATION DATE: 08/13/2021

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)

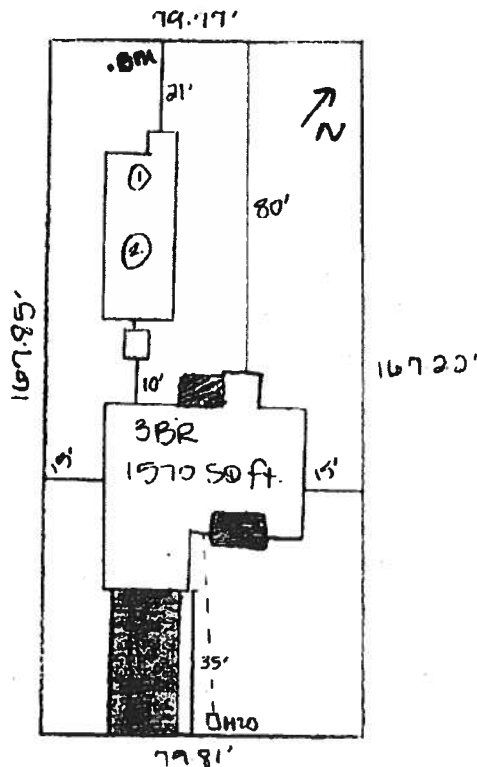
Incorporated: 64E-6.003, FAC

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 20-0102386 Development (Lt. 28)

PART II - SITEPLAN

Scale: 1 inch = 40 feet.



Notes:

Cherry Blossom Way

Site Plan submitted by:

William A. Bishop II

MASTER CONTRACTOR

Plan Approved X

Not Approved

Date 2/4/2020

By

Colubia

County Health Department

2/13/20

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.3.1 THRU 1609.3.3.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES
Revised 7/1/18

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

Items to Include-
Each Box shall be
Circled as
Applicable

GENERAL REQUIREMENTS:

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

		Select From Drop down		
1	Two (2) complete sets of plans containing the following:	<input checked="" type="checkbox"/>		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input checked="" type="checkbox"/>		
3	Condition space (Sq. Ft.) <u>1570</u> Total (Sq. Ft.) under roof <u>2150</u>	Yes	No	NA

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL 107.1.

Site Plan information including:

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

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

		Items to Include- Each Box shall be Circled as Applicable		
GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL				
8	Plans or specifications must show compliance with FBCR Chapter 3	Yes	No	NA
		Select From Drop down		
9	Basic wind speed (3-second gust), miles per hour	Yes		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	Yes		
11	Wind importance factor and nature of occupancy	Yes		
12	The applicable internal pressure coefficient, Components and Cladding	Yes		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifi ally designed by the registered design professional.	Yes		

Elevations Drawing including:

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

Floor Plan Including:

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	Yes		
22	Raised floor surfaces located more than 30 inches above the floor or grade	NA		
23	All exterior and interior shear walls indicated	Yes		
24	Shear wall opening shown (Windows, Doors and Garage doors)	Yes		
25	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	Yes		
26	Safety glazing of glass where needed	Yes		
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	NA		
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	Yes		
29	Identify accessibility of bathroom (see FBCR SECTION 320)	Yes		

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
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FBCR 403: Foundation Plans

		Select From Drop down		
30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	Yes		
31	All posts and/or column footing including size and reinforcing	Yes		
32	Any special support required by soil analysis such as piling.	NA		
33	Assumed load-bearing value of soil 1500 Pound Per Square Foot	Yes		
34	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

37	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	Yes		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

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

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		Select from Drop down		
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	Yes		
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	Yes		
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	Yes		
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	Yes		
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	Yes		
58	Indicate where pressure treated wood will be placed	Yes		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	Yes		
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	Yes		

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assemblies covering	Yes		
73	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.

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

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

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

Notice Of Commencement:

A notice of commencement form RECORDED in the Columbia County Clerk Office is required to be filed with the Building Department BEFORE ANY INSPECTIONS can be performed.

<p align="center">GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</p>	<p align="center">Items to Include- Each Box shall be Circled as Applicable</p>
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****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

Select from Drop down

93	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	Yes		
94	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	Yes		
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	Yes		
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	Yes		
97	Toilet facilities shall be provided for all construction sites	Yes		
98	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NA		
99	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations (Municode.com)	NA		
100	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	NA		
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	NA		
102	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	-		
103	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.	Yes		

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

Disclosure Statement for Owner Builders:

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

****This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - <http://www.columbiacountyfla.com/BuildingandZoning.asp>**

Section 105 of the Florida Building Code defines the:

Time limitation 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 such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

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

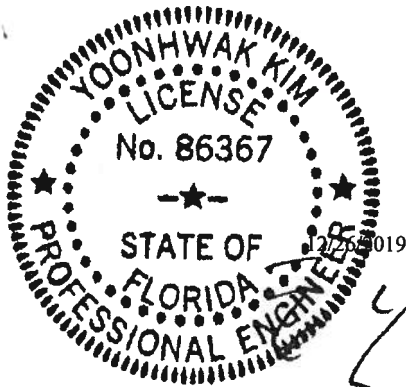
Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	MASONITE	INSWING & OUTSWING Fiberglass	FL 8228-R7
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MAGNOLIA	Vinyl 400 Single Hung	FL 16475-R3
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	ALLURA of Plycem	Cement Board Lap Siding	FL 17482-R2
B. SOFFITS	Kaycan	Vinyl / PVC & Aluminum SOFFIT	FL 116503
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	CERTANTEED	Asphalt Shingles	FL-5444
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	SIMPSON	LSTA / MSTA / SPH 4	FL 13872-R2
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

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


Contractor OR Agent Signature

1-27-20
Date

NOTES: _____

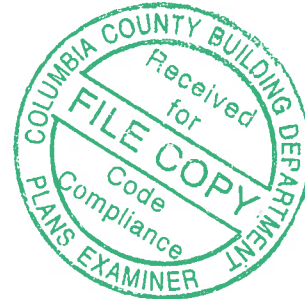


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.



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: 19-3846
Job Description: / LOT 28 /Plumb Level Construction	
Address: LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B JRef #: 1WRb2150002
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, 29 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	360.19.1021.45541	A01
3	360.19.1021.45509	A03
5	360.19.1021.45525	A05
7	360.19.1021.45806	B02
9	360.19.1025.29073	B04
11	360.19.1025.28668	B06
13	360.19.1025.29059	B08
15	360.19.1025.29043	B10
17	360.19.1025.28824	C02
19	360.19.1030.26644	D01
21	360.19.1030.27050	G01
23	360.19.1030.26691	HJ1
25	360.19.1030.26769	J01
27	360.19.1030.26504	J03
29	360.19.1030.26909	J05
31	BRCLBSUB0119	

Item	Drawing Number	Truss
2	360.19.1021.45400	A02
4	360.19.1021.45494	A04
6	360.19.1021.45495	B01
8	360.19.1025.28886	B03
10	360.19.1025.28700	B05
12	360.19.1025.28902	B07
14	360.19.1025.28917	B09
16	360.19.1025.29105	C01
18	360.19.1025.28669	C03
20	360.19.1030.26567	D02
22	360.19.1030.26550	G02
24	360.19.1030.27019	HJ2
26	360.19.1030.26942	J02
28	360.19.1030.26940	J04
30	A14015ENC101014	
32	GBLLETIN0118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

General Notes (continued)

Key to Terms:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

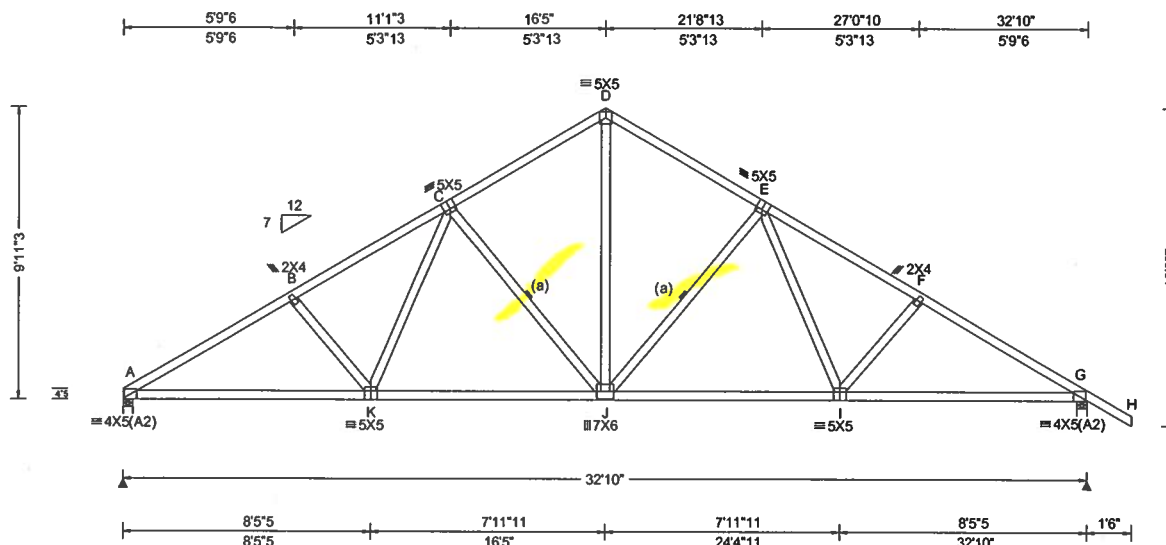
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 308282 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: A01	Cust: R 215 JRef: 1WRb2150002 T1 DrwNo: 360.19.1021.45541 SSB / YK 12/26/2019
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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: B 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: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.120 J 999 240 VERT(CL): 0.229 J 999 180 HORZ(LL): 0.052 I - - HORZ(TL): 0.099 I - - Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.962 Max Web CSI: 0.458 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1482 - / - / 764 - / 189 G 1590 - / - / 834 - / - Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.7 G Brg Width = 4.0 Min Req = 1.9 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 295 -2486 D - E 270 -1616 B - C 309 -2273 E - F 290 -2258 C - D 275 -1616 F - G 274 -2470

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

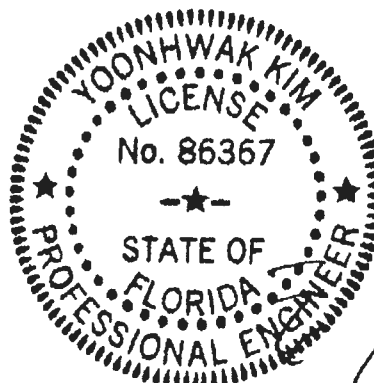
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9'-11-3/4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

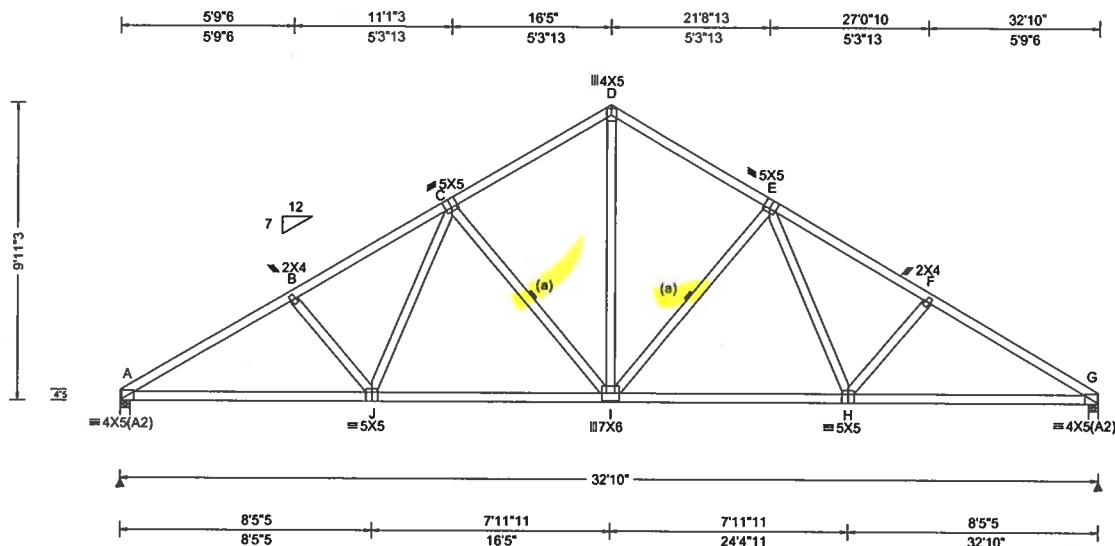
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 308283 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3846 / LOT 28 / Plumb Level Construction Truss Label: A02	Cust: R215 JRef: 1WRb2150002 T35 DrwNo: 360.19.1021.45400 SSB / YK 12/26/2019
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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: B 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: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.120 I 999 240 VERT(CL): 0.228 I 999 180 HORZ(LL): 0.052 H - - HORZ(TL): 0.099 H - - Creep Factor: 2.0 Max TC CSI: 0.315 Max BC CSI: 0.967 Max Web CSI: 0.462 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1488 /- /- /764 /- /169 G 1489 /- /- /764 /- /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.8 G Brg Width = 4.0 Min Req = 1.8 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 296 -2498 D - E 276 -1626 B - C 310 -2285 E - F 310 -2286 C - D 276 -1626 F - G 296 -2499

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

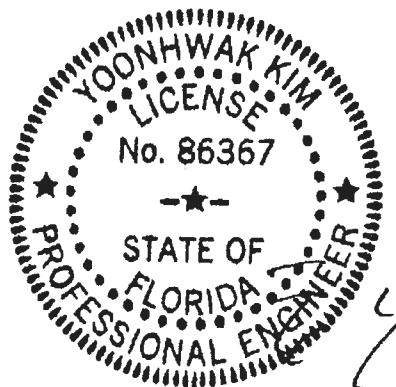
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9'-11-3/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

A - J 2085 -193 I - H 1719 -105
J - I 1719 -105 H - G 2085 -192

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

J - C 494 -56 I - E 138 -607
C - I 138 -606 E - H 495 -56
D - I 1212 -172

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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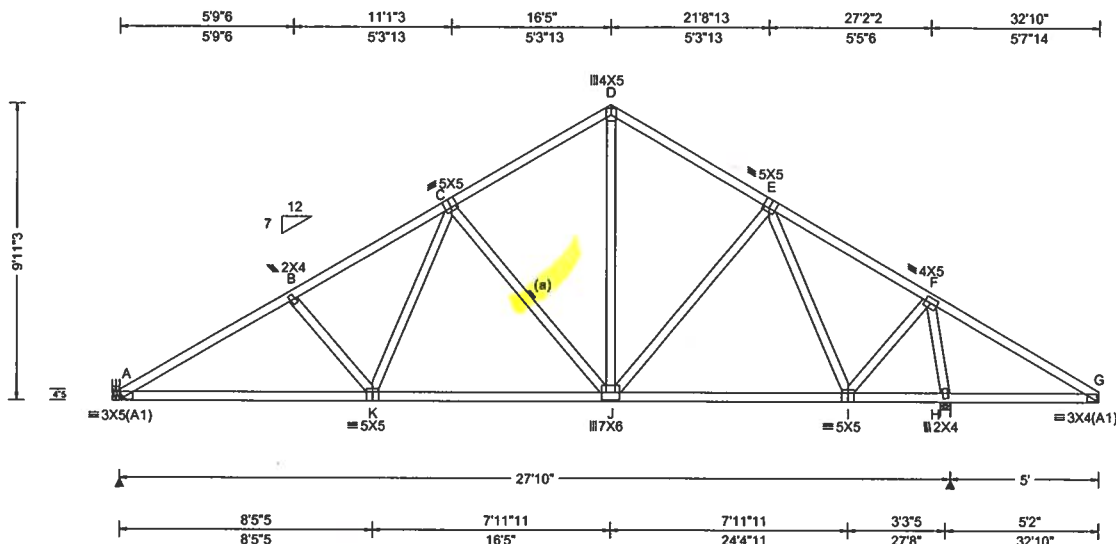
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Suite 305
Orlando FL, 32821

SEQN: 308284 / FROM: CDM	COMN	Ply: 1 Qty: 3	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: A03	Cust: R 215 JRef: 1WRb2150002 T41 DrwNo: 360.19.1021.45509 SSB / YK 12/26/2019
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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: B 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: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.065 K 999 240 VERT(CL): 0.126 K 999 180 HORZ(LL): 0.025 I - - HORZ(TL): 0.050 H - - Creep Factor: 2.0 Max TC CSI: 0.596 Max BC CSI: 0.877 Max Web CSI: 0.595 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1235 /- /- /644 /- /169 H 1761 /- /- /973 /- /- Non-Gravity Wind reactions based on MWFRS A Brg Width = - Min Req = - H Brg Width = 4.0 Min Req = 1.7 Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 255 -2023 D - E 224 -1134 B - C 269 -1808 E - F 174 -860 C - D 233 -1134 F - G 460 -173

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

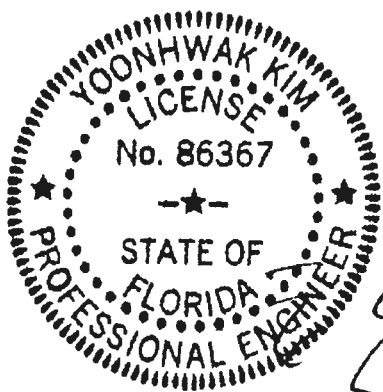
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9'-11-3/8".

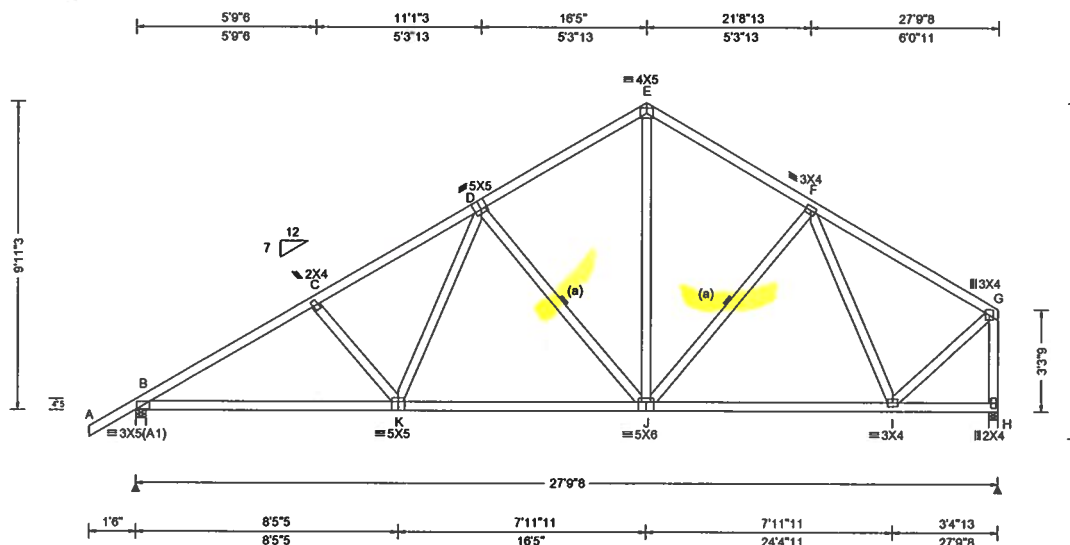


FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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

SEQN: 308285 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: A04	Cust: R 215 JRef: 1WRb2150002 T24 DrwNo: 360.19.1021.45494 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.056 K 999 240 VERT(CL): 0.115 K 999 180 HORZ(LL): 0.022 H - - HORZ(TL): 0.046 H - - Creep Factor: 2.0 Max TC CSI: 0.444 Max BC CSI: 0.795 Max Web CSI: 0.467 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1267 - / - / 730 - / 164 H 1146 - / - / 609 - / - Wind reactions based on MWFRS B Brg Width = 4.0 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# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 221 - 1841 E - F 225 - 1044 C - D 238 - 1627 F - G 139 - 860 D - E 216 - 1038

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

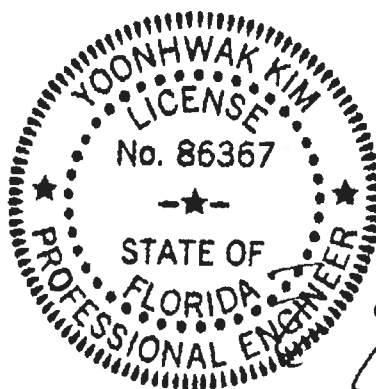
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9'-11-3/8".



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12/26/2019

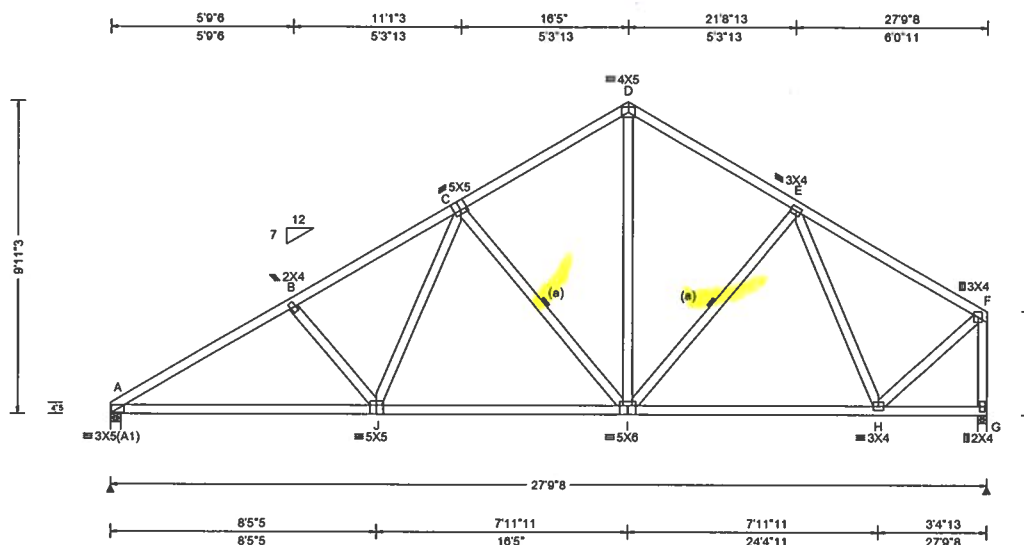
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 308286 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 / Plumb Level Construction Truss Label: A05	Cust: R 215 JRef: 1WRb2150002 T43 DrwNo: 360.19.1021.45525 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.055 J 999 240 VERT(CL): 0.114 J 999 180 HORZ(LL): 0.022 G - - HORZ(TL): 0.046 G - - Creep Factor: 2.0 Max TC CSI: 0.444 Max BC CSI: 0.806 Max Web CSI: 0.468 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1162 - / - / - / 660 - / 152 G 1149 - / - / - / 609 - / - Wind reactions based on MWFRS A Brg Width = 4.0 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. A - B 241 - 1863 D - E 226 - 1048 B - C 255 - 1647 E - F 140 - 863 C - D 221 - 1042

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

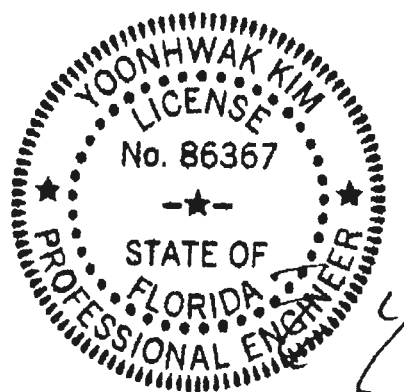
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-11-3.



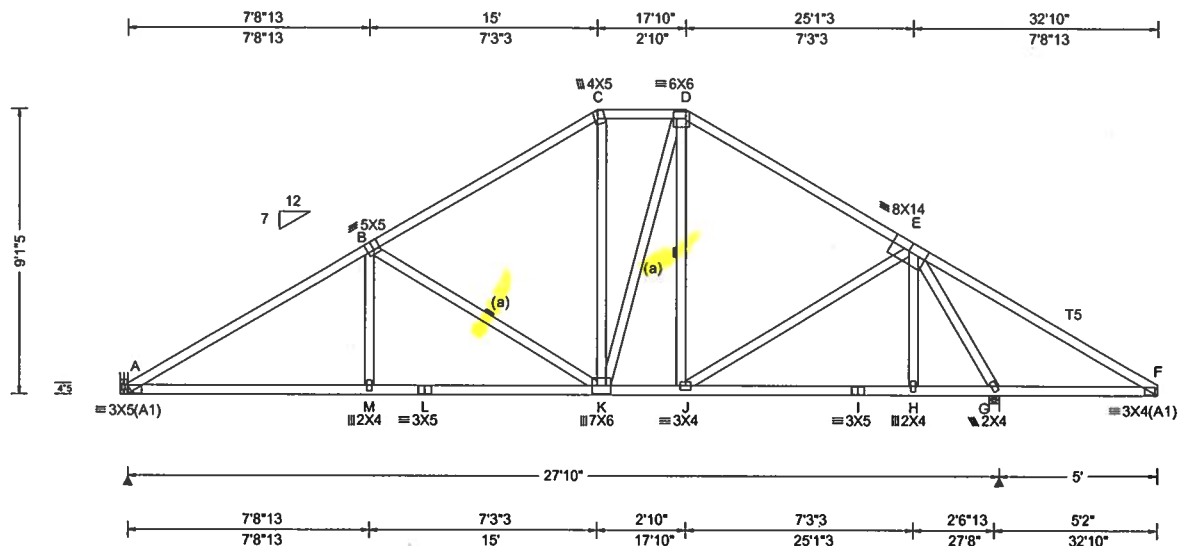
FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.048 M 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.101 M 999 180	A	1135	/-	/-	/644	/-	/154
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 G - -	G	1615	/-	/-	/973	/-	/-
	EXP: B Kzt: NA		HORZ(TL): 0.045 G - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	A	Brg Width = -		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.724	G	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.788	Bearing G is a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.875	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.28 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.	Chords	Tens.	Comp.		
	GCpi: 0.18		VIEW Ver: 18.02.01B.0321.08	A - B	267	-1777	D - E	237	-1061	
	Wind Duration: 1.60			B - C	251	-1135	E - F	572	-194	
				C - D	247	-874				

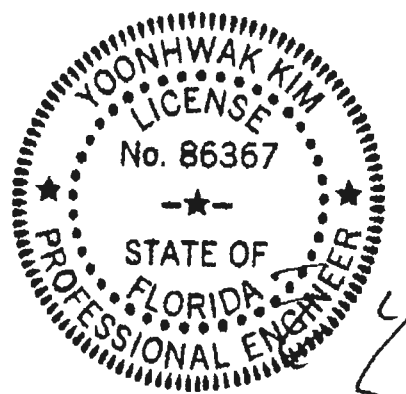
Lumber
Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9'-1.5'.



Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.	Comp.	
A - M	1445	-148	J - I
M - L	1442	-148	I - H
L - K	1442	-148	H - G
K - J	808	-18	G - F
			538 -56
			538 -56
			536 -57
			206 -381

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.	Comp.	
B - K	153	-676	E - G
			273 -1694

FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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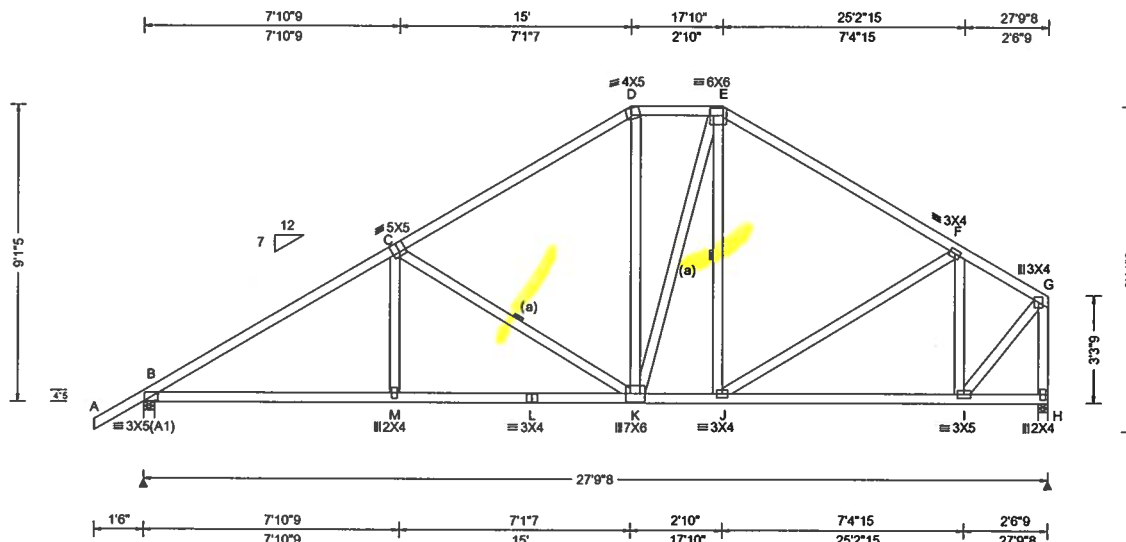
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 308288 / FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: B02	Cust: R 215 JRef: 1WRb2150002 T6 DrwNo: 360.19.1021.45806 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.051 M 999 240 VERT(CL): 0.106 M 999 180 HORZ(LL): 0.022 I - - HORZ(TL): 0.046 I - - Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.777 Max Web CSI: 0.384 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1267 -/- /- /731 -/- /150 H 1146 -/- /- /608 -/- /- Wind reactions based on MWFRS B Brg Width = 4.0 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# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 242 -1803 E - F 230 -1111 C - D 235 -1180 F - G 124 -757 D - E 242 -914

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

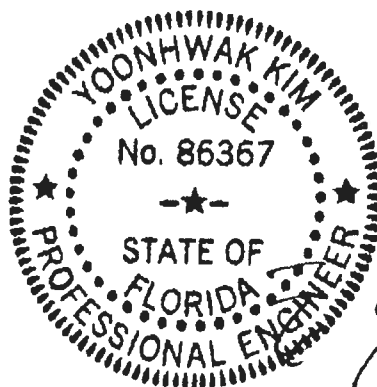
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9'-1-5/8\"/>



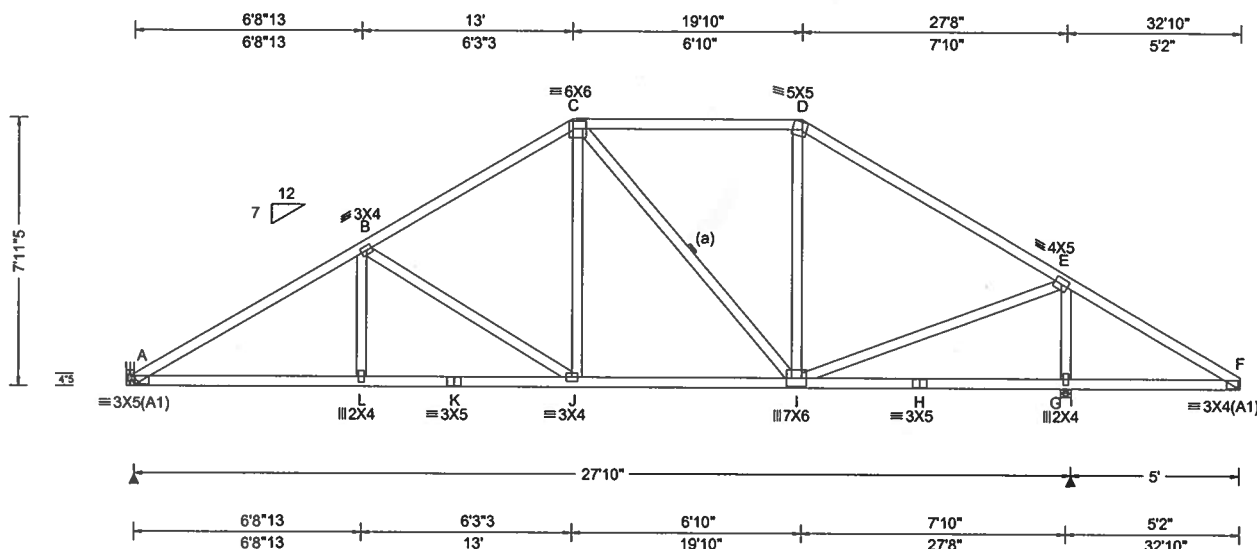
FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.049 J 999 240 VERT(CL): 0.103 J 999 180 HORZ(LL): 0.019 I - - HORZ(TL): 0.041 I - - Creep Factor: 2.0 Max TC CSI: 0.804 Max BC CSI: 0.647 Max Web CSI: 0.590 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1135 - / - / - / 643 / 37 / 134 G 1615 - / - / - / 969 / 26 - / - Wind reactions based on MWFRS A Brg Width = - Min Req = - G Brg Width = 4.0 Min Req = 1.5 Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 285 - 1813 D - E 235 - 1095 B - C 274 - 1289 E - F 414 - 186 C - D 248 - 841

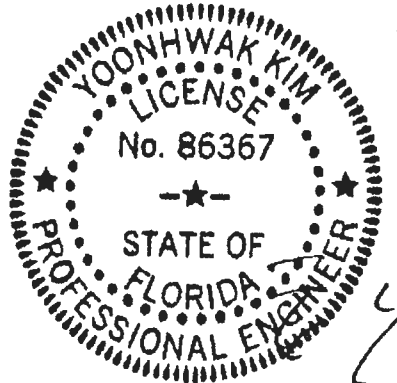
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

Hangers / Ties
Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
Bearing at location x=0' uses the following support conditions: 0'
Bearing A (0', 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7-11.5.

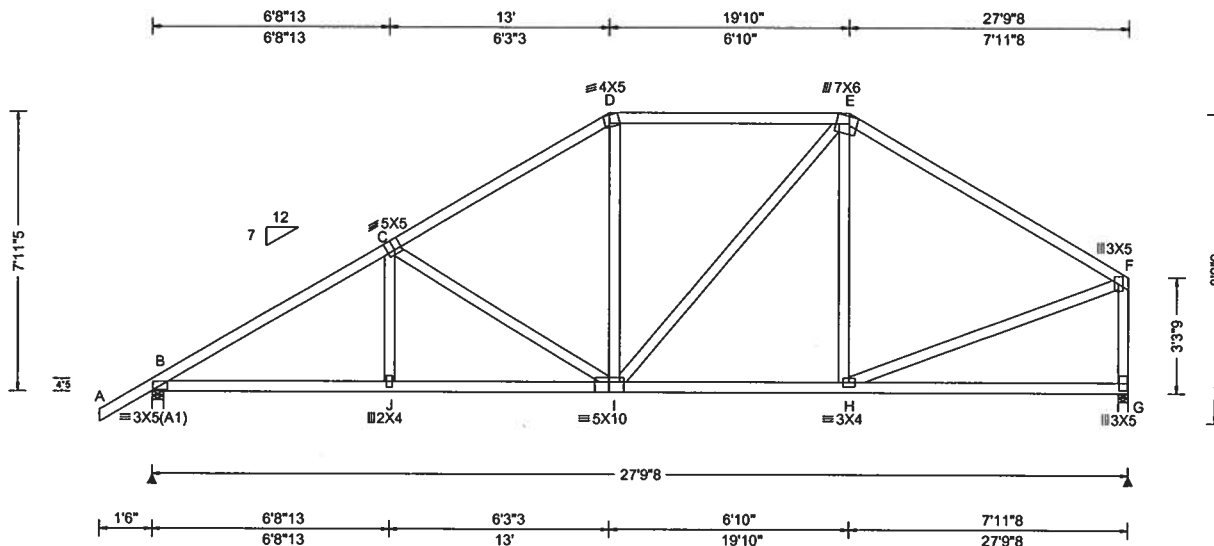


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12/26/2019

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

SEQN: 308290 / FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: B04	Cust: R 215 JRef: 1WRb2150002 T20 DwnNo: 360.19.1025.29073 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.051 J 999 240 VERT(CL): 0.106 J 999 180 HORZ(LL): 0.020 G - - HORZ(TL): 0.041 G - - Creep Factor: 2.0 Max TC CSI: 0.953 Max BC CSI: 0.727 Max Web CSI: 0.567 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1267 /- /- /729 /45 /129 G 1146 /- /- /605 /41 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 258 -1834 D - E 256 -1057 C - D 255 -1321 E - F 219 -1162

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-11-5.

Maximum Bot Chord Forces Per Ply (lbs)

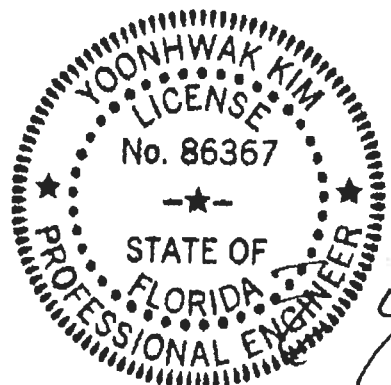
Chords Tens.Comp. Chords Tens. Comp.

B - J 1498 -231 I - H 908 -109
J - I 1496 -231

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

C - I 118 -525 F - G 193 -1077
H - F 931 -106



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12/26/2019

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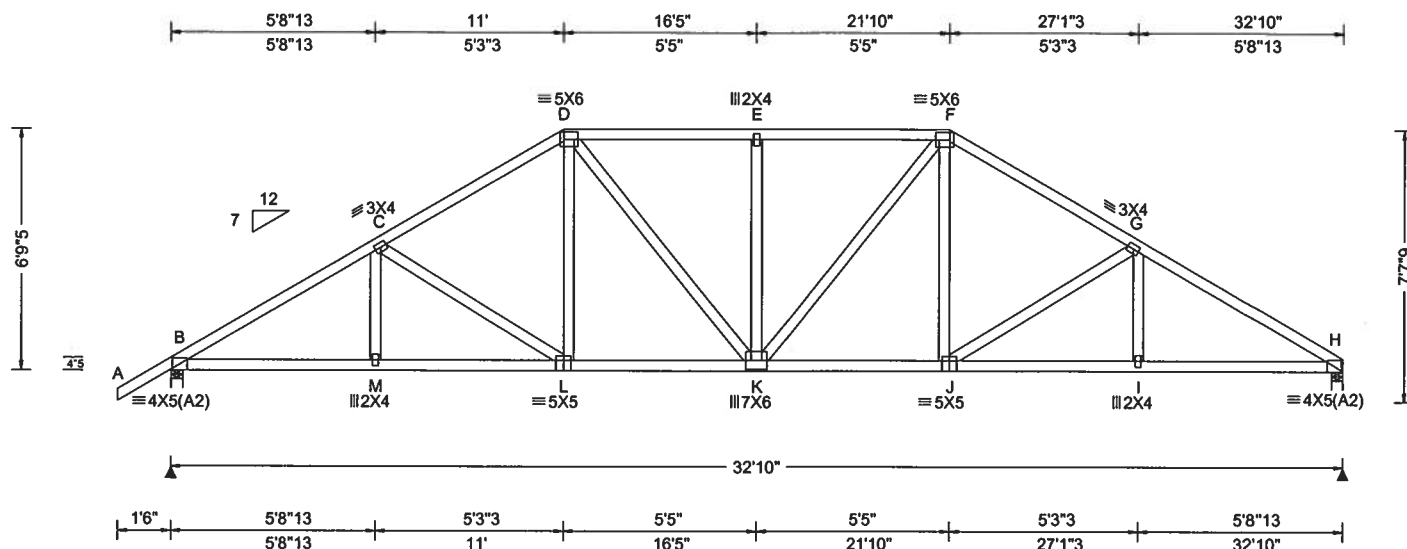
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Orlando FL, 32821

SEQN: 308291 / FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: B05	Cust: R 215 JRef: 1WRb2150002 T27 DrwNo: 360.19.1025.28700 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.100 E 999 240 VERT(CL): 0.207 E 999 180 HORZ(LL): 0.045 I - - HORZ(TL): 0.092 I - - Creep Factor: 2.0 Max TC CSI: 0.386 Max BC CSI: 0.605 Max Web CSI: 0.325 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 1470 /- /- /824 /58 /133 H 1362 /- /- /753 /45 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.7 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 338 -2247 E - F 356 -1722 C - D 340 -1856 F - G 347 -1862 D - E 356 -1722 G - H 352 -2270

Lumber

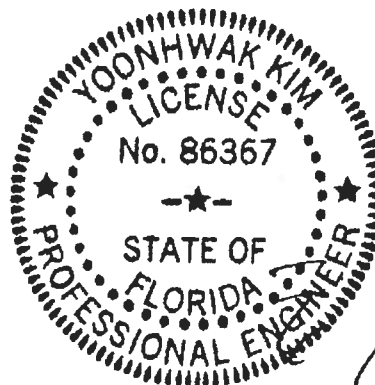
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 69-5.



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12/26/2019

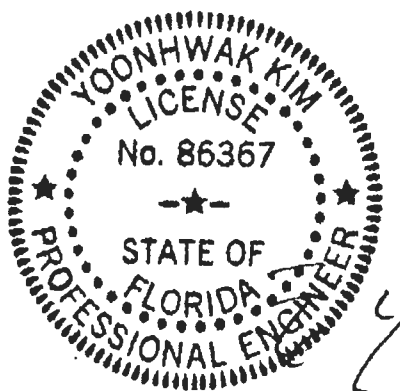
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Lumber	C - D D - E	274 - 1462 272 - 1210	F - G F - G	211 - 1085
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;				
Wind	Maximum Bot Chord Forces Per Ply (lbs)			
Wind loads based on MWFRS with additional C&C member design.	Chords	Tens.Comp.	Chords	Tens. Comp.
Right end vertical not exposed to wind pressure.	B - L	1532 - 252	K - J	1190 - 172
	L - K	1530 - 253	J - I	865 - 121
Additional Notes	Maximum Web Forces Per Ply (lbs)			
Refer to General Notes for additional information	Webs	Tens.Comp.	Webs	Tens. Comp.
The overall height of this truss excluding overhang is 6'-9"-5".	C - K	97 - 407	I - G	949 - 130
	D - K	393 - 31	G - H	200 - 1095
	J - F	536 - 85		




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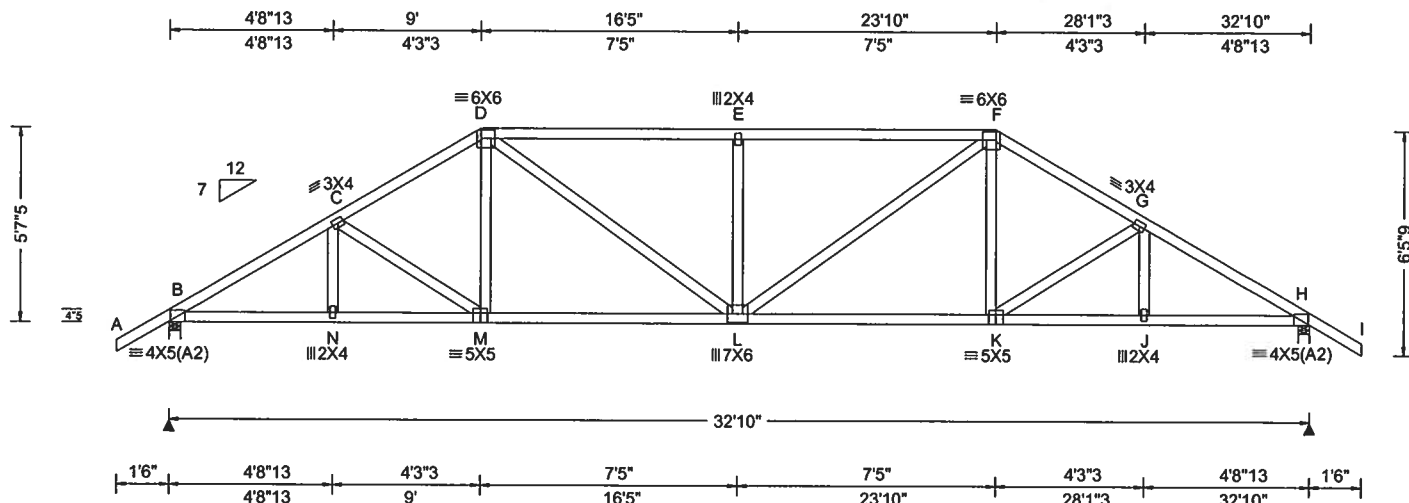
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 Orlando FL, 32821



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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.122 E 999 240 VERT(CL): 0.250 E 999 180 HORZ(LL): 0.046 J - - HORZ(TL): 0.094 J - - Creep Factor: 2.0 Max TC CSI: 0.672 Max BC CSI: 0.781 Max Web CSI: 0.281 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 1467 /- /- /814 /61 /123 H 1467 /- /- /814 /61 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.7 H Brg Width = 4.0 Min Req = 1.7 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 348 - 2248 E - F 408 - 2132 C - D 354 - 1989 F - G 353 - 1989 D - E 408 - 2132 G - H 347 - 2248

Lumber

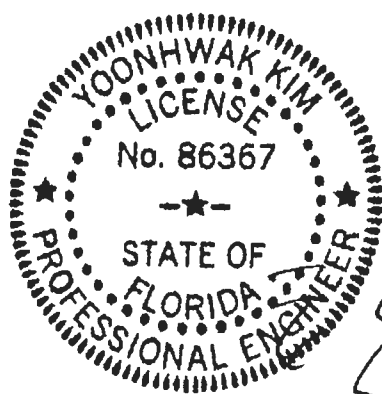
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	1868 - 208	L - K	1673 - 172
N - M	1868 - 208	K - J	1868 - 230
M - L	1673 - 166	J - H	1868 - 230

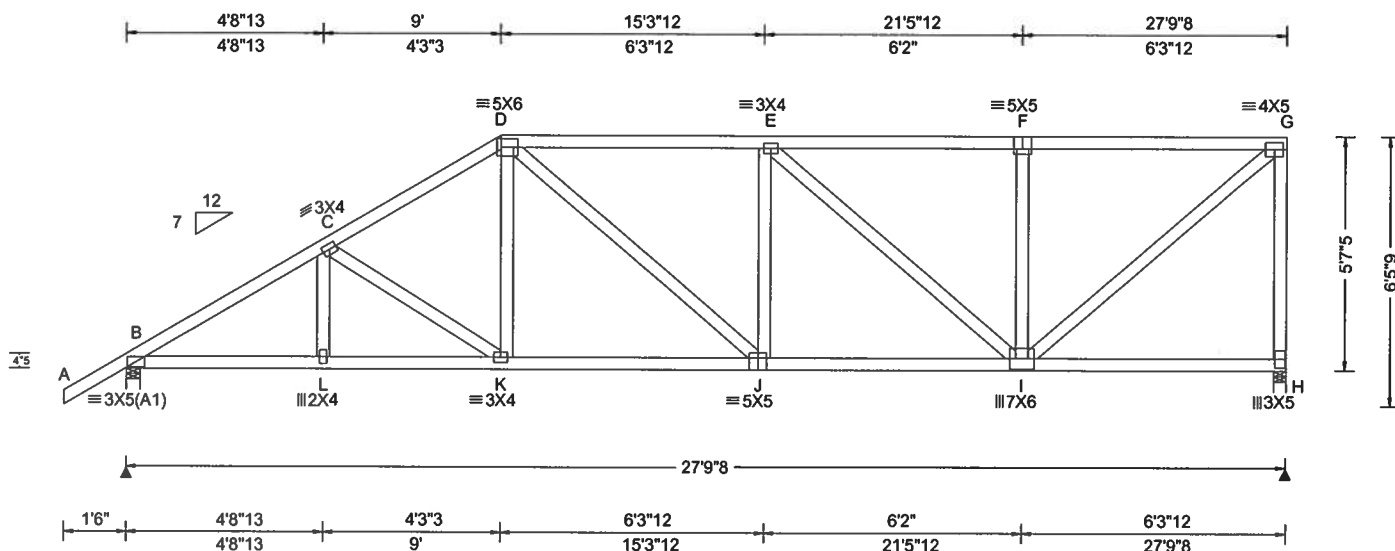
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - L	564 - 98	L - F	564 - 98
E - L	148 - 503		

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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
Suite 305
Orlando FL, 32821

SEQN: 308294 / FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: B08	Cust: R215 JRef:1WRb2150002 T4 DrwNo: 360.19.1025.29059 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.068 J 999 240 VERT(CL): 0.140 J 999 180 HORZ(LL): 0.025 I - - HORZ(TL): 0.051 I - - Creep Factor: 2.0 Max TC CSI: 0.616 Max BC CSI: 0.654 Max Web CSI: 0.679 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / Rh B 1267 - / - / 722 / 44 / 118 H 1146 - / - / 578 / 62 / - Wind reactions based on MWFRS B Brg Width = 4.0 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# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 261 - 1877 E - F 197 - 1107 C - D 267 - 1597 F - G 197 - 1107 D - E 273 - 1513

Lumber

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

Wind

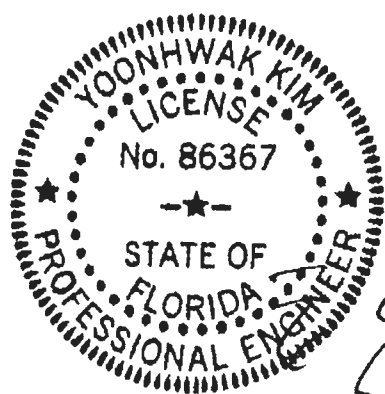
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

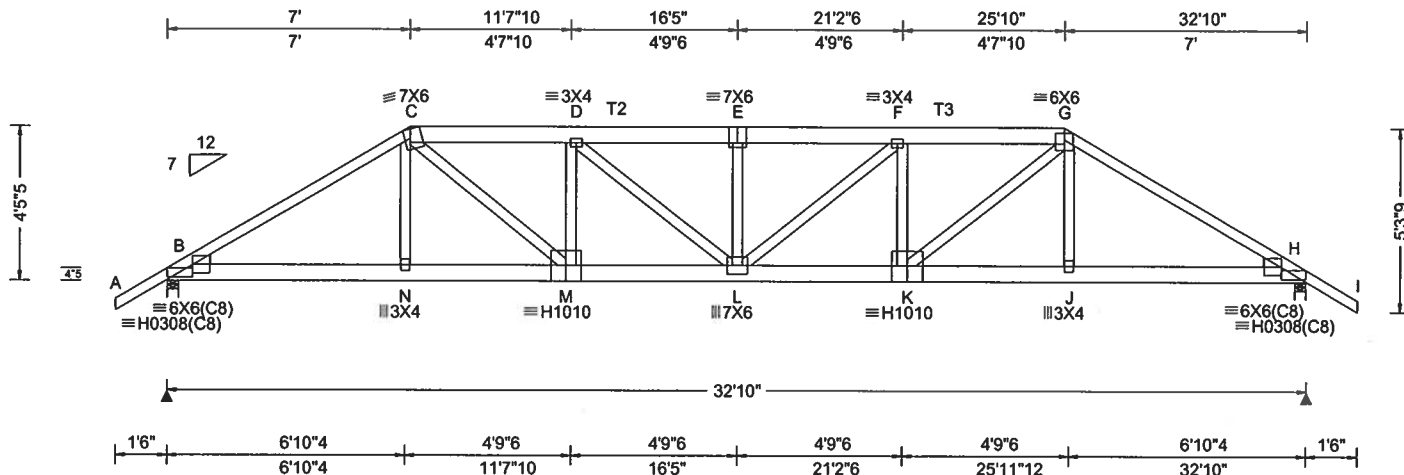
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ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 308295 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: B09	Cust: R 215 JRef: 1WRb2150002 T3 DrwNo: 360.19.1025.28917 SSB / YK 12/26/2019
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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: B 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: 3.28 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): HS, WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.240 E 999 240 VERT(CL): 0.483 E 808 180 HORZ(LL): 0.064 J - - HORZ(TL): 0.129 J - - Creep Factor: 2.0 Max TC CSI: 0.497 Max BC CSI: 0.426 Max Web CSI: 0.909 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 3244 /- /- /- /262 /- H 3244 /- /- /- /262 /- Non-Gravity B Brg Width = 4.0 Min Req = 2.7 H Brg Width = 4.0 Min Req = 2.7 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 464 -5745 E - F 594 -7375 C - D 533 -6645 F - G 533 -6645 D - E 594 -7375 G - H 464 -5745

Lumber

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 25.83
TC: From 63 plf at 25.83 to 63 plf at 34.33
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 25.80
BC: From 20 plf at 25.80 to 20 plf at 32.83
BC: From 5 plf at 32.83 to 5 plf at 34.33
TC: 266 lb Conc. Load at 7.03,25.80
TC: 190 lb Conc. Load at 9.06,11.06,13.06,15.06
16.42,17.77,19.77,21.77,23.77
BC: 465 lb Conc. Load at 7.03,25.80
BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06
16.42,17.77,19.77,21.77,23.77

Wind

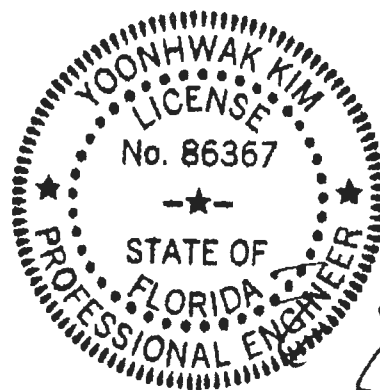
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

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

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

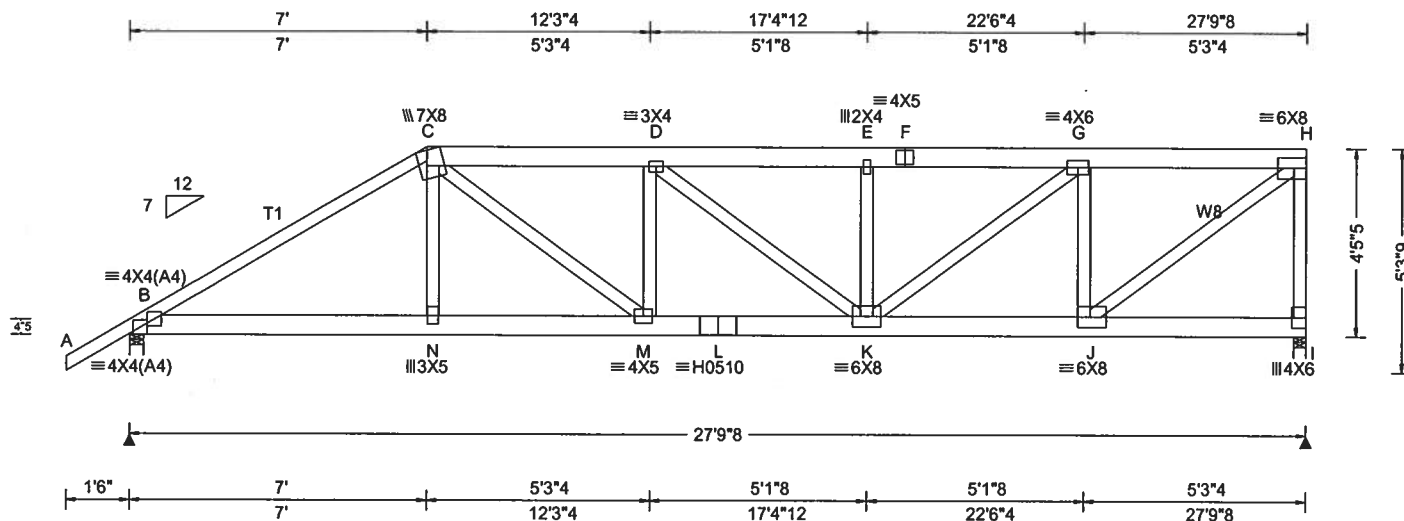
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ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 308296 / FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: B10	Cust: R 215 JRef: 1WRb2150002 T11 DrwNo: 360.19.1025.29043 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.137 D 999 240 VERT(CL): 0.277 D 999 180 HORZ(LL): 0.034 C - - HORZ(TL): 0.068 C - - Creep Factor: 2.0 Max TC CSI: 0.352 Max BC CSI: 0.348 Max Web CSI: 0.868 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 2615 -/- /- /- /212 -/ I 2859 -/- /- /- /235 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 I Brg Width = 3.5 Min Req = 2.4 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 368 -4500 E - F 379 -4683 C - D 397 -4936 F - G 379 -4683 D - E 379 -4683 G - H 247 -3044

Lumber

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

Special Loads

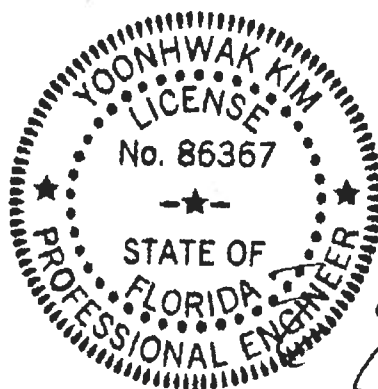
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 27.79
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 27.79
TC: 266 lb Conc. Load at 7.03
TC: 190 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06,27.06
BC: 465 lb Conc. Load at 7.03
BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06,27.06

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-5-5/8".

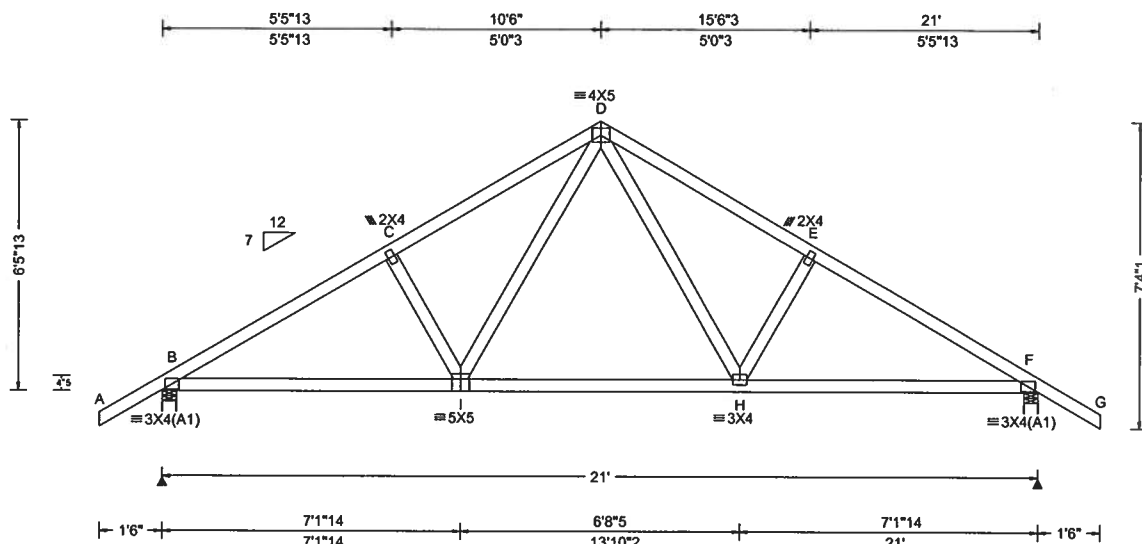


FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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

SEQN: 308297 / FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 19-3846 / LOT 28 / Plumb Level Construction Truss Label: C01	Cust: R 215 JRef: 1WRb2150002 T36 DrwNo: 360.19.1025.29105 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.043 H 999 240 VERT(CL): 0.082 H 999 180 HORZ(LL): 0.018 H - - HORZ(TL): 0.034 H - - Creep Factor: 2.0 Max TC CSI: 0.269 Max BC CSI: 0.574 Max Web CSI: 0.188 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 1023 /- /- /556 /35 /136 F 1023 /- /- /556 /35 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 168 - 1410 D - E 200 - 1260 C - D 201 - 1258 E - F 167 - 1412

Lumber

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

Loading

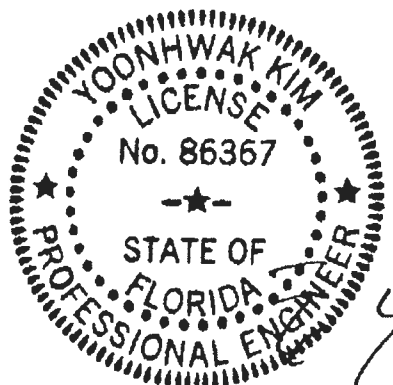
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-5"-13.

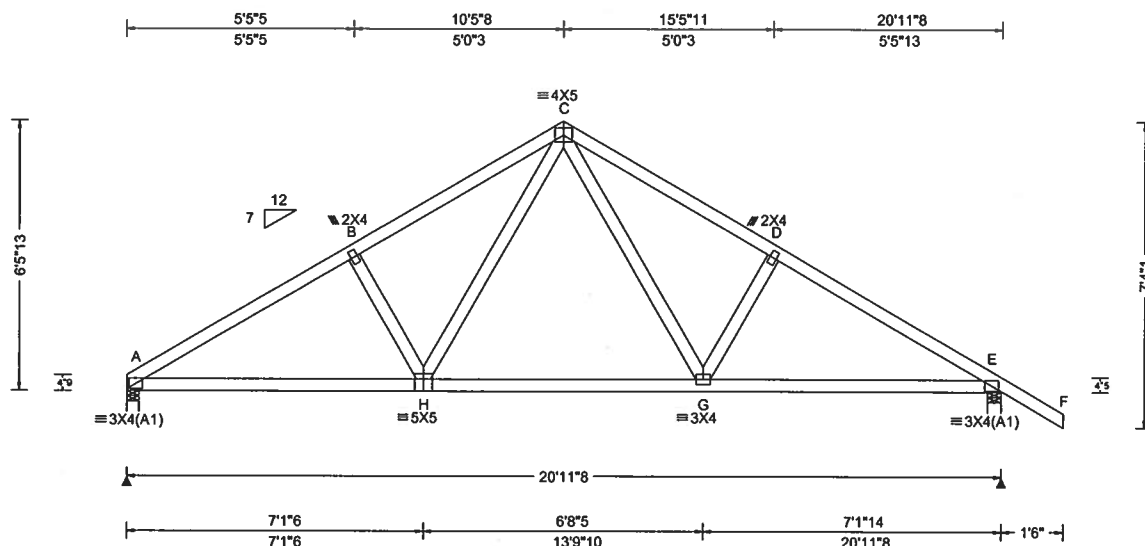


FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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

SEQN: 308298 / FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: C02	Cust: R 215 JRef: 1WRb2150002 T23 DrwNo: 360.19.1025.28824 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.042 G 999 240 VERT(CL): 0.081 G 999 180 HORZ(LL): 0.017 G - - HORZ(TL): 0.034 G - - Creep Factor: 2.0 Max TC CSI: 0.268 Max BC CSI: 0.573 Max Web CSI: 0.191 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc / Rw / U / RL A 914 /- /- /484 /- /124 E 1024 /- /- /556 /- /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 189 -1420 C - D 209 -1262 B - C 221 -1268 D - E 176 -1414

Lumber

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

Loading

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

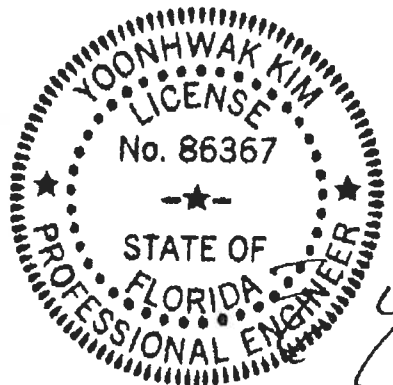
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6'-5-13.

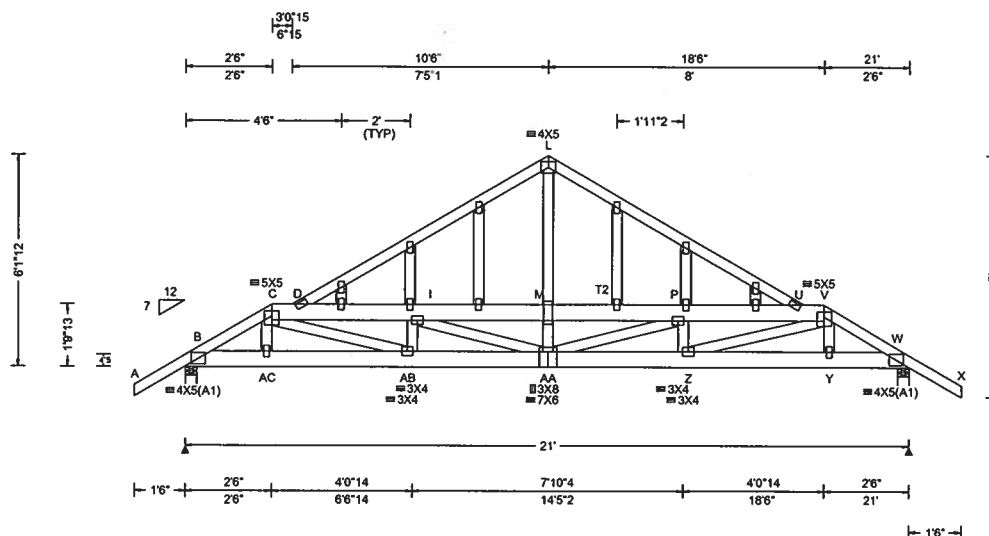


FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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

SEQN: 308299 / FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: C03	Cust: R 215 JRef: 1WRb2150002 T9 DrwNo: 360.19.1025.28669 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.071 R 999 240 VERT(CL): 0.143 R 999 180 HORZ(LL): 0.019 E - - HORZ(TL): 0.037 E - - Creep Factor: 2.0 Max TC CSI: 0.309 Max BC CSI: 0.199 Max Web CSI: 0.350 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1466 -/- /- /- /101 -/- W 1466 -/- /- /- /101 -/- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 W Brg Width = 4.0 Min Req = 1.5 Bearings B & W are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 128 -2367 L - U 73 -1294 C - D 145 -2696 M - P 63 -1097 D - L 73 -1294 P - U 93 -1735 D - I 93 -1735 U - V 145 -2696 I - M 63 -1097 V - W 128 -2367

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

Special Loads
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 22.50
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 21.00
BC: From 5 plf at 21.00 to 5 plf at 22.50
TC: 108 lb Conc. Load at 2.53,18.47
TC: 44 lb Conc. Load at 4.50, 6.50, 8.50,10.50
12.50,14.50,16.50
BC: 93 lb Conc. Load at 2.53,18.47
BC: 39 lb Conc. Load at 4.50, 6.50, 8.50,10.50
12.50,14.50,16.50

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.

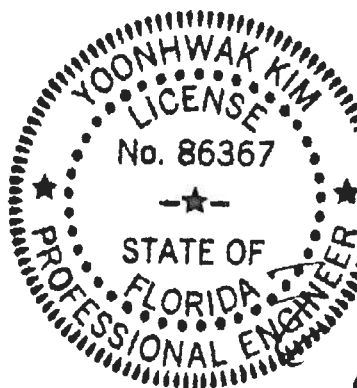
Wind
Wind loads and reactions based on MWFRS.
Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)

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'-11 1/2\".

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - AC 2044 -106 AA - Z 2746 -155
AC - AB 2037 -110 Z - Y 2037 -110
AB - AA 2746 -155 Y - W 2044 -106

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - AB 723 -39 AA - P 41 -707
I - AA 41 -707 Z - V 723 -39
M - AA 740 -12

Maximum Gable Forces Per Ply (lbs)
Gables Tens.Comp.
L - M 919 -32

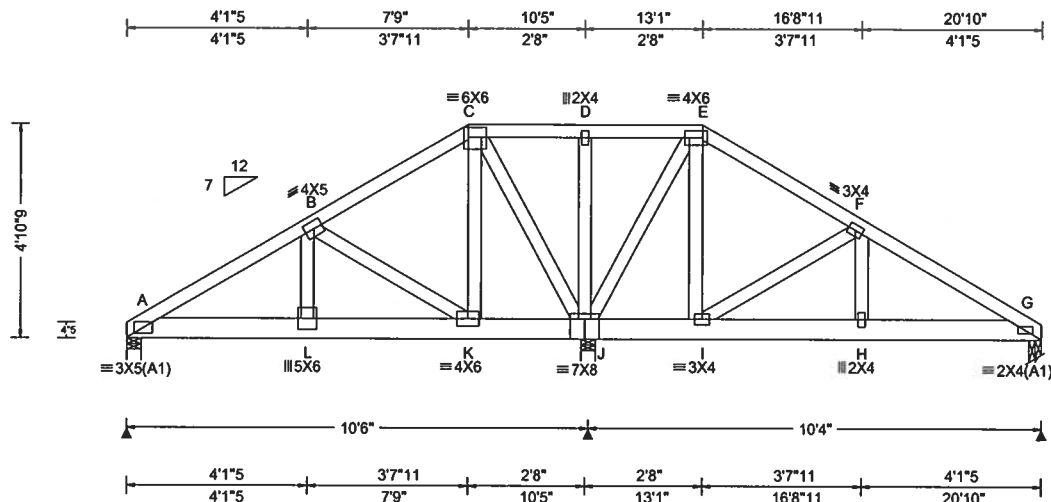


FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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2 Complete Trusses Required



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: B 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.027 L 999 240 VERT(CL): 0.053 L 999 180 HORZ(LL): 0.007 B - - HORZ(TL): 0.014 B - - Creep Factor: 2.0 Max TC CSI: 0.232 Max BC CSI: 0.304 Max Web CSI: 0.638 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 2698 /- /- /32 /- /- J 5035 /- /- /165 /- /- G - /-275 /- /- /35 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 J Brg Width = 4.0 Min Req = 2.1 G Brg Width = 3.5 Min Req = 1.5 Bearings A, J, & 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: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 5.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 20.83
BC: From 10 plf at 0.00 to 10 plf at 9.48
BC: From 20 plf at 9.48 to 20 plf at 20.83
BC: 1135 lb Conc. Load at 1.48, 3.48
BC: 1235 lb Conc. Load at 5.48, 7.48, 9.48

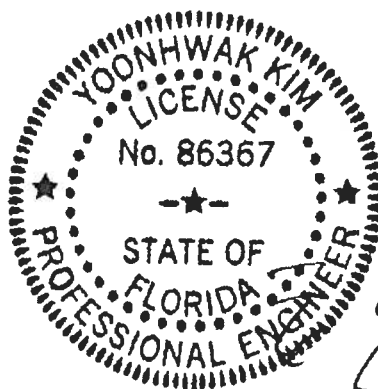
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
Negative reaction(s) of -275# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 4'-10-9/16."

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - L	1507 0	K - J	391 0
L - K	1470 0	J - I	0 -383

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L - B	1230 0	C - K	1669 0
B - K	0 -1301	C - J	0 -1766

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

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

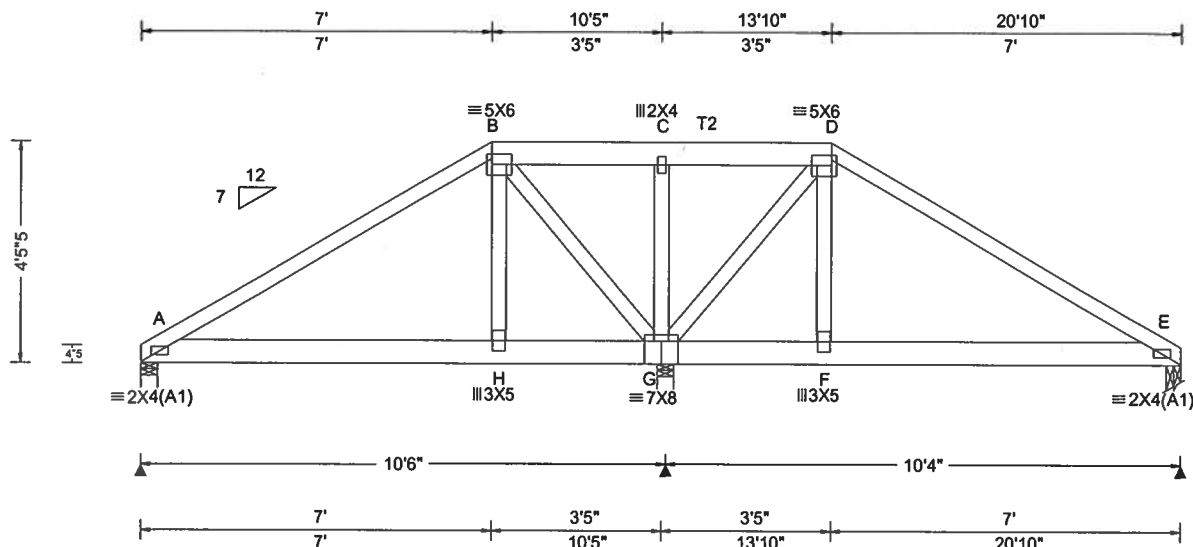
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 308301 / FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: D02	Cust: R215 JRef:1WRb2150002 T16 DrwNo: 360.19.1030.26567 SSB / YK 12/26/2019
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 F 999 240 VERT(CL): 0.025 F 999 180 HORZ(LL): 0.008 H - - HORZ(TL): 0.016 H - - Creep Factor: 2.0 Max TC CSI: 0.702 Max BC CSI: 0.190 Max Web CSI: 0.572 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 557 -/- /- /34 -/- G 2768 -/- /- /214 -/- E 557 -/- /- /34 -/- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 2.3 E Brg Width = 3.5 Min Req = 1.5 Bearings A, G, & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Special Loads

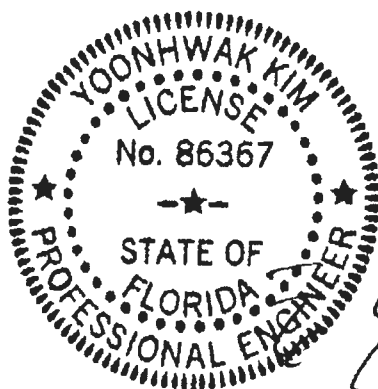
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 13.83
TC: From 63 plf at 13.83 to 63 plf at 20.83
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 13.80
BC: From 20 plf at 13.80 to 20 plf at 20.83
TC: 266 lb Conc. Load at 7.03,13.80
TC: 190 lb Conc. Load at 9.06,10.42,11.77
BC: 465 lb Conc. Load at 7.03,13.80
BC: 130 lb Conc. Load at 9.06,10.42,11.77

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-5".

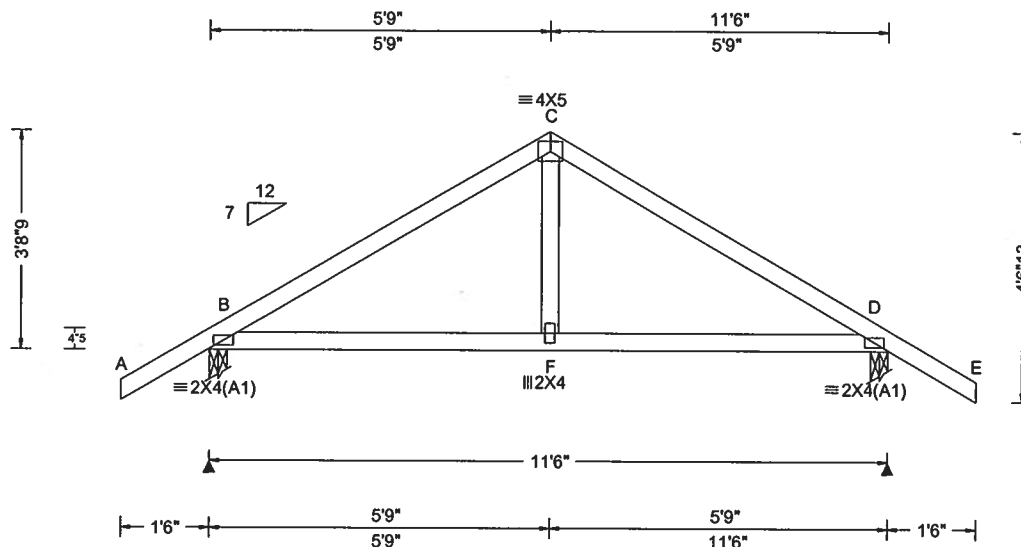


FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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

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Orlando FL, 32821

SEQN: 308302 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: G01	Cust: R 215 JRef: 1WRb2150002 T14 DrwNo: 360.19.1030.27050 SSB / YK 12/26/2019
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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: B 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): 0.007 F 999 240 VERT(CL): 0.014 F 999 180 HORZ(LL): 0.003 F - - HORZ(TL): 0.007 F - - Creep Factor: 2.0 Max TC CSI: 0.290 Max BC CSI: 0.329 Max Web CSI: 0.095 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 580 /- /- /338 /24 /88 D 580 /- /- /338 /24 /- 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# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 116 -569 C - D 116 -569

Lumber

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

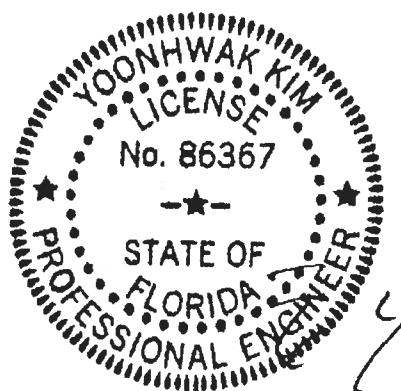
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-8-9.



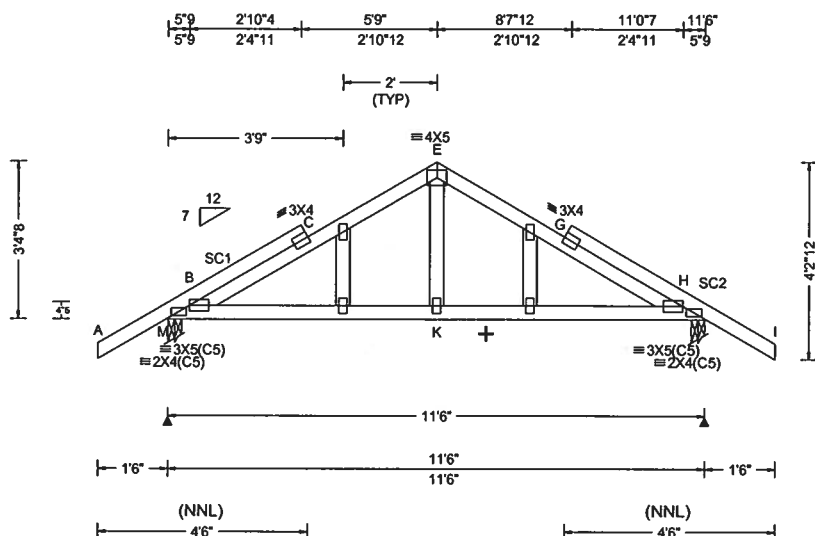
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12/26/2019

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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 C 999 240 VERT(CL): 0.085 C 999 180 HORZ(LL): 0.021 C - - HORZ(TL): 0.039 C - - Creep Factor: 2.0 Max TC CSI: 0.417 Max BC CSI: 0.542 Max Web CSI: 0.122 VIEW Ver: 18.02.01B.0321.08	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/ R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U / RL</th></tr><tr><td>M</td><td>824</td><td>-/-</td><td>-/-</td><td>/447</td><td>/246 /133</td></tr><tr><td>H</td><td>824</td><td>-/-</td><td>-/-</td><td>/447</td><td>/246 -/-</td></tr></table> <p>Wind reactions based on MWFRS M Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings M & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.</p> <table><tr><td>B - C</td><td>231</td><td>-811</td><td>E - G</td><td>233</td><td>-726</td></tr><tr><td>C - E</td><td>233</td><td>-726</td><td>G - H</td><td>228</td><td>-811</td></tr></table>	Gravity			Non-Gravity			Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL	M	824	-/-	-/-	/447	/246 /133	H	824	-/-	-/-	/447	/246 -/-	B - C	231	-811	E - G	233	-726	C - E	233	-726	G - H	228	-811
Gravity			Non-Gravity																																					
Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL																																			
M	824	-/-	-/-	/447	/246 /133																																			
H	824	-/-	-/-	/447	/246 -/-																																			
B - C	231	-811	E - G	233	-726																																			
C - E	233	-726	G - H	228	-811																																			

Lumber

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

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

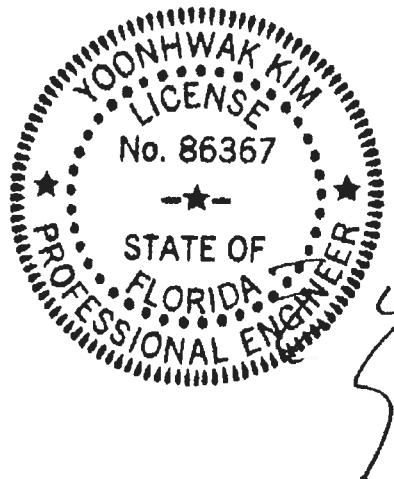
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLETIN0118 for gable wind bracing and other requirements.

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

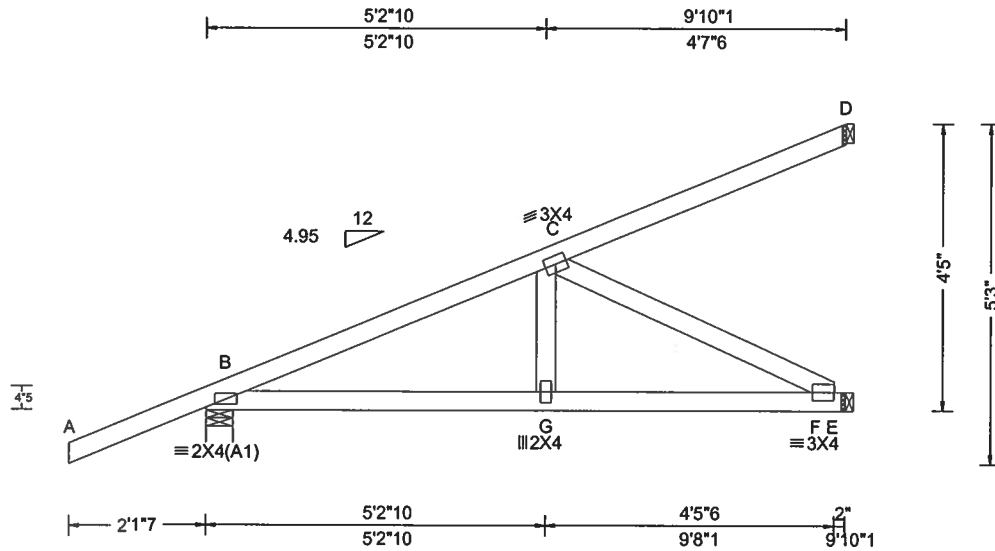
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Suite 305
Orlando FL, 32821



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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.017 G 999 240 VERT(CL): 0.033 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.009 F - - Creep Factor: 2.0 Max TC CSI: 0.567 Max BC CSI: 0.600 Max Web CSI: 0.319 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 370 /- /- /- /129 /- E 335 /- /- /- /26 /- D 76 /- /- /- /6 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -47 lb Conc. Load at 1.38
TC: 124 lb Conc. Load at 4.21
TC: 257 lb Conc. Load at 7.03
BC: 8 lb Conc. Load at 1.38
BC: 98 lb Conc. Load at 4.21
BC: 179 lb Conc. Load at 7.03

Wind

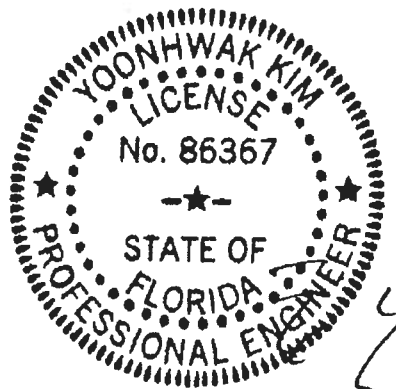
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-5.0.

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



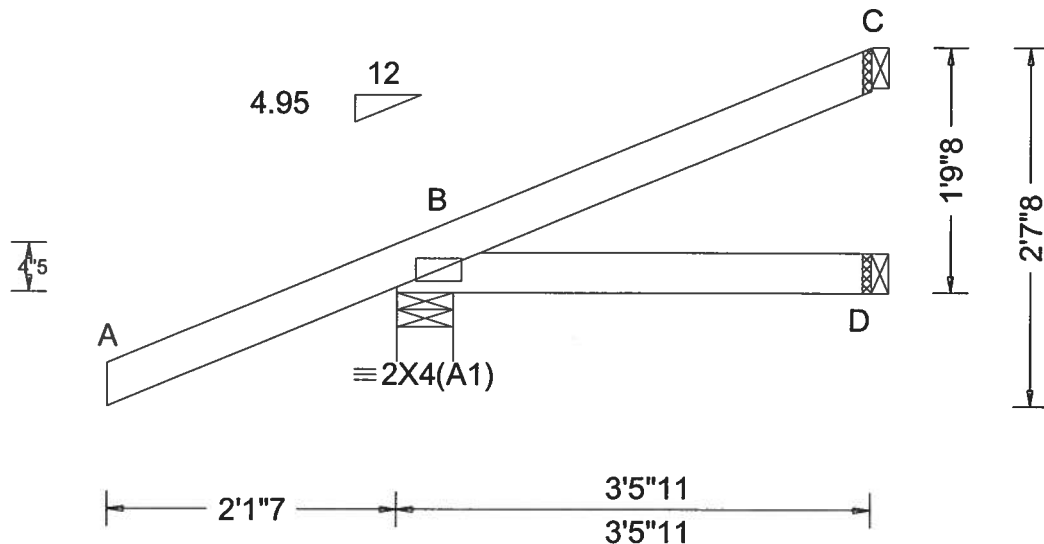
FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-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.

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

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Orlando FL, 32821



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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.487 Max BC CSI: 0.140 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 339 /- /- /206 /24 /44 D 54 /- /- /40 /- /- C 64 /- /- /26 /12 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

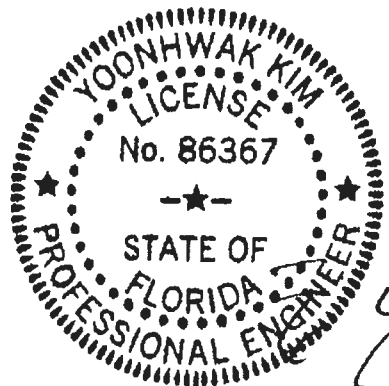
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-9-8.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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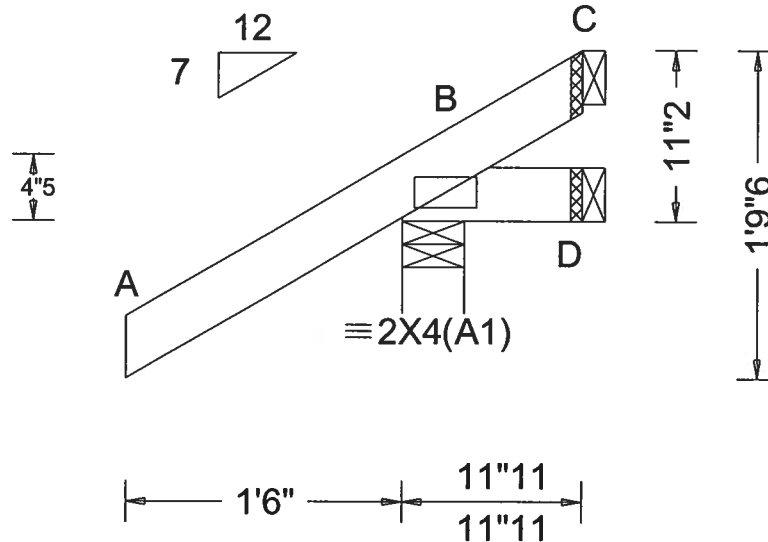
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.022 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 259 /- /- /175 /29 /27 D 4 /-18 /- /11 /13 /- C - /-59 /- /20 /49 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

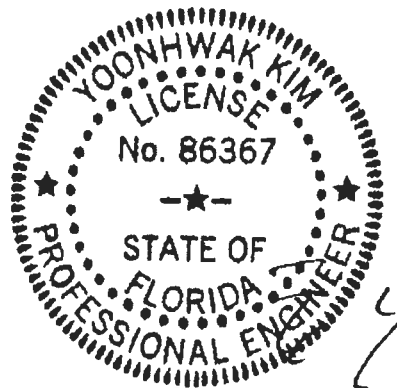
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

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



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12/26/2019

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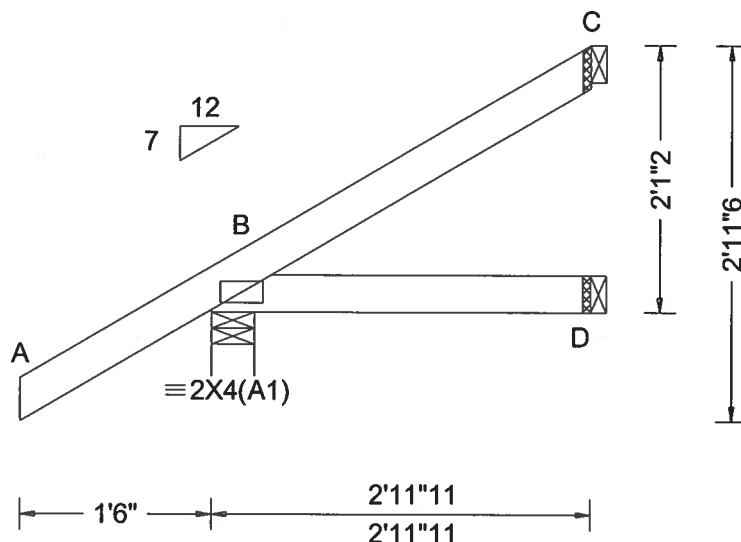
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SEQN: 308307 / FROM: CDM	JACK Qty: 10	Ply: 1 Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: J02	Cust: R 215 JRef: 1WRb2150002 T17 DrwNo: 360.19.1030.26942 SSB / YK 12/26/2019
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Loading 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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.072 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 264 /- /- /169 /9 /50 D 49 /- /- /34 /- /- C 62 /- /- /26 /14 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

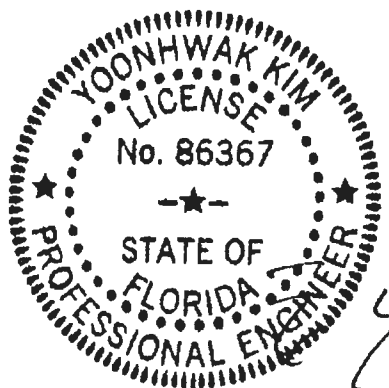
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

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



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12/26/2019

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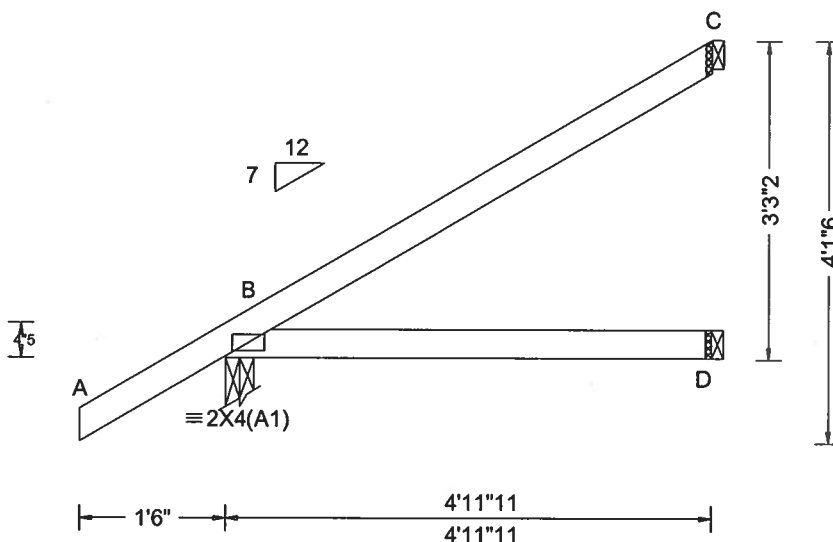
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																																																																																																																						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	<table><tr><td></td><td colspan="3">Gravity</td><td colspan="3">Non-Gravity</td></tr><tr><td></td><td>Loc</td><td>R+</td><td>/ R-</td><td>/ Rh</td><td>/ Rw</td><td>/ U / RL</td></tr><tr><td>TCDL: 10.00</td><td>Speed: 130 mph</td><td>Pf: NA Ce: NA</td><td>VERT(LL): NA</td><td>B 334</td><td>/-</td><td>/-</td><td>/210</td><td>/2</td><td>/73</td></tr><tr><td>BCLL: 0.00</td><td>Enclosure: Closed</td><td>Lu: NA Cs: NA</td><td>VERT(CL): NA</td><td>D 90</td><td>/-</td><td>/-</td><td>/58</td><td>/-</td><td>/-</td></tr><tr><td>BCDL: 10.00</td><td>Risk Category: II</td><td>Snow Duration: NA</td><td>HORZ(LL): 0.004 D - -</td><td>C 129</td><td>/-</td><td>/-</td><td>/60</td><td>/28</td><td>/-</td></tr><tr><td></td><td>EXP: B Kzt: NA</td><td></td><td>HORZ(TL): 0.008 D - -</td><td colspan="6">Wind reactions based on MWFRS</td></tr><tr><td>Des Ld: 40.00</td><td>Mean Height: 15.00 ft</td><td>Code / Misc Criteria</td><td>Creep Factor: 2.0</td><td>B Brg Width = 3.5</td><td colspan="5">Min Req = 1.5</td></tr><tr><td>NCBCLL: 10.00</td><td>TCDL: 5.0 psf</td><td>Bldg Code: FBC 2017 RES</td><td>Max TC CSI: 0.314</td><td>D Brg Width = 1.5</td><td colspan="5">Min Req = -</td></tr><tr><td>Soffit: 2.00</td><td>BCDL: 5.0 psf</td><td>TPI Std: 2014</td><td>Max BC CSI: 0.248</td><td>C Brg Width = 1.5</td><td colspan="5">Min Req = -</td></tr><tr><td>Load Duration: 1.25</td><td>MWFRS Parallel Dist: 0 to h/2</td><td>Rep Fac: Yes</td><td>Max Web CSI: 0.000</td><td colspan="6">Bearing B is a rigid surface.</td></tr><tr><td>Spacing: 24.0 "</td><td>C&C Dist a: 3.00 ft</td><td>FT/RT:20(0)/10(0)</td><td></td><td colspan="6">Members not listed have forces less than 375#</td></tr><tr><td></td><td>Loc. from endwall: not in 4.50 ft</td><td>Plate Type(s):</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>GCpi: 0.18</td><td>WAVE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>Wind Duration: 1.60</td><td></td><td>VIEW Ver: 18.02.01B.0321.08</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		Gravity			Non-Gravity				Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B 334	/-	/-	/210	/2	/73	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D 90	/-	/-	/58	/-	/-	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D - -	C 129	/-	/-	/60	/28	/-		EXP: B Kzt: NA		HORZ(TL): 0.008 D - -	Wind reactions based on MWFRS						Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 3.5	Min Req = 1.5					NCBCLL: 10.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.314	D Brg Width = 1.5	Min Req = -					Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.248	C Brg Width = 1.5	Min Req = -					Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	Bearing B is a rigid surface.						Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#							Loc. from endwall: not in 4.50 ft	Plate Type(s):									GCpi: 0.18	WAVE									Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08						
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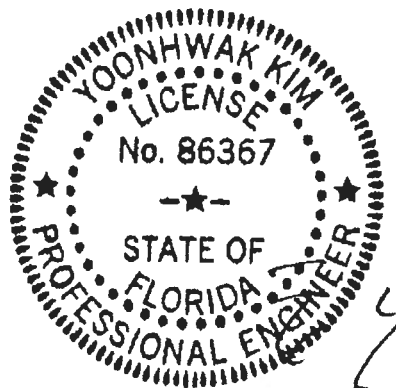
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2:

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

Refer to General Notes for additional information

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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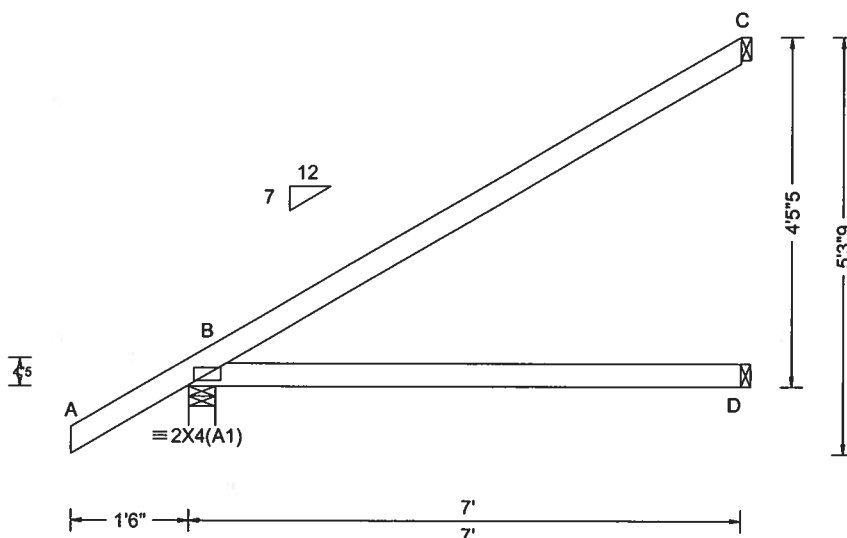
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Suite 305
Orlando FL, 32821



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.730 Max BC CSI: 0.520 Max Web CSI: 0.000	▲ Maximum Reactions (lbs) <table><tr><th colspan="4">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/R-</th><th>/Rh</th><th>/Rw</th><th>/U</th><th>/RL</th></tr><tr><td>B</td><td>412</td><td>/-</td><td>/-</td><td>/257</td><td>/-</td><td>/96</td></tr><tr><td>D</td><td>130</td><td>/-</td><td>/-</td><td>/83</td><td>/-</td><td>/-</td></tr><tr><td>C</td><td>190</td><td>/-</td><td>/-</td><td>/91</td><td>/41</td><td>/-</td></tr></table> Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#	Gravity				Non-Gravity			Loc	R+	/R-	/Rh	/Rw	/U	/RL	B	412	/-	/-	/257	/-	/96	D	130	/-	/-	/83	/-	/-	C	190	/-	/-	/91	/41	/-
	Gravity				Non-Gravity																																		
	Loc	R+	/R-	/Rh	/Rw	/U	/RL																																
	B	412	/-	/-	/257	/-	/96																																
D	130	/-	/-	/83	/-	/-																																	
C	190	/-	/-	/91	/41	/-																																	
Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE																																							
			VIEW Ver: 18.02.01B.0321.08																																				

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

Wind

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

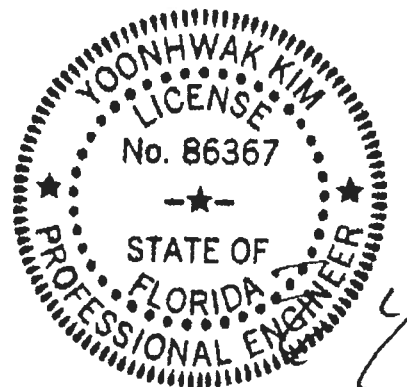
Additional Notes

Refer to General Notes for additional information

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

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

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

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

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

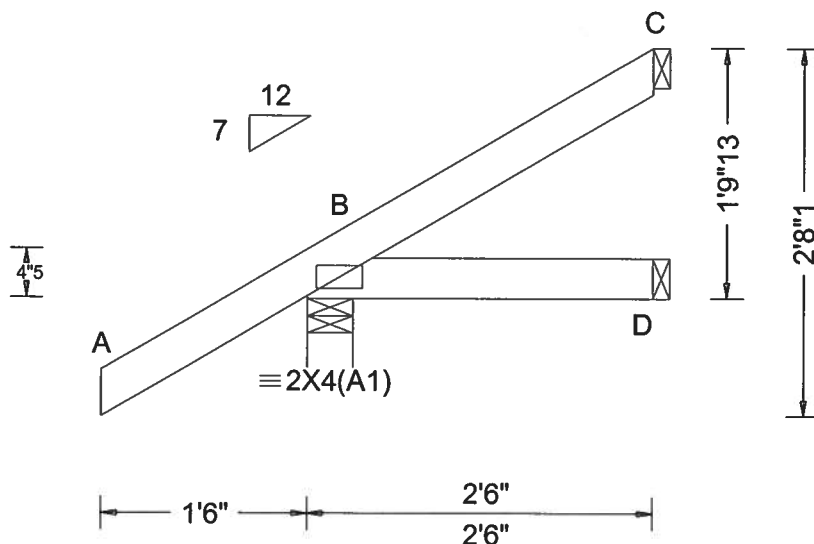
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 308310 / FROM: CDM	EJAC	Ply: 1 Qty: 9	Job Number: 19-3846 / LOT 28 /Plumb Level Construction Truss Label: J05	Cust: R 215 JRef: 1WRb2150002 T8 DrwNo: 360.19.1030.26909 SSB / YK 12/26/2019
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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 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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.044 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 251 /- /- /162 /11 /45 D 39 /- /- /29 /- /- C 44 /- /- /22 /11 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

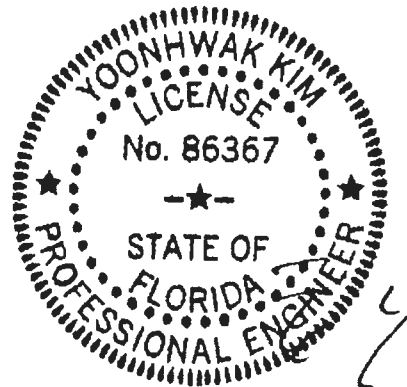
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-9-13.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
12/26/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

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

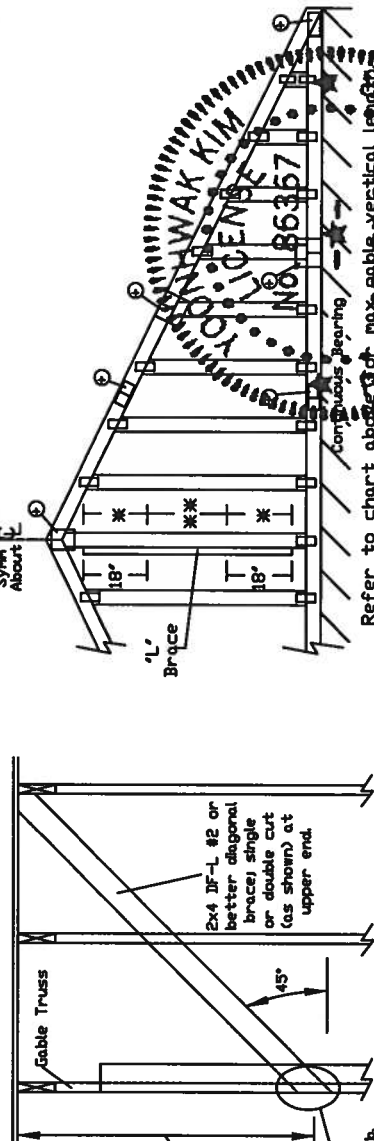
ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_z t = 1.00$

[illegible]

Diagonal brace options
vertical length may be
doubled when diagonal
brace is used. Connect
diagonal brace for 450#
at each end. Max web
total length is 14'.

Vertical length shown
in table above.

Connect diagonal at midpoint of vertical web.



Refer to chart above of max. cable vertical length.

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

Trusses require extreme care in fabrication, hoisting, shipping, installing and bracing. Refer to and follow the latest edition of ANSI Quality Component Safety Information, by TPI and SCAQ for safety information. Truss installers shall provide temporary bracing per ANSI QCS-100. Truss installers shall provide temporary structural bracing and bracing chord reinforcement per ANSI QCS-100. Locations shown for permanent lateral restraint of webs per ANSI sections 33, 37 or 310, 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 150A-2 for standard plate positions.

Below, a division of Filling Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, resaturation or 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 or 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:
ALPTNE: www.alphatna.com TPB: www.tbkinst.org/ SBGA: www.sbgaindstry.org/ ICD: www.icdinfo.org



ALPINE
AIR TECHNOLOGY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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

MAX. TDT: LD, 60 PSF

MAX. SPACING 24.0'

REF ASCE7-10-GAB14015

DATE 10/01/14

DRWG A14015ENC101014

Brachno Group Species and Grades

Group A:

Service-Prime-Fit		Herz-Fit	
#1 / #2	Standard	#2	Stud
		#3	Standard

Douglas Fit-Larch		Southern Premium	
#3		#3	
			Stud
			Standard

Group B:

Hen-Fir	#1 & Btr	#1
Douglas Fir-Larch	#1	#2
Southern		

4 Braces shall be S&B (Stress-Rated Board),
For 1x4 So. Pine use only Industrial 53 or
Industrial 45 Stress-Rated Boards. Group B
values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (3 psf TC Dead Load).

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

Attach 1" braces with 10d (0.128"x3.0" min) nails.

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

In 18' end zones and 4' o.c. between zones.

* * * or (2) 'L' braces space nals at 3' o.c.

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

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

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

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

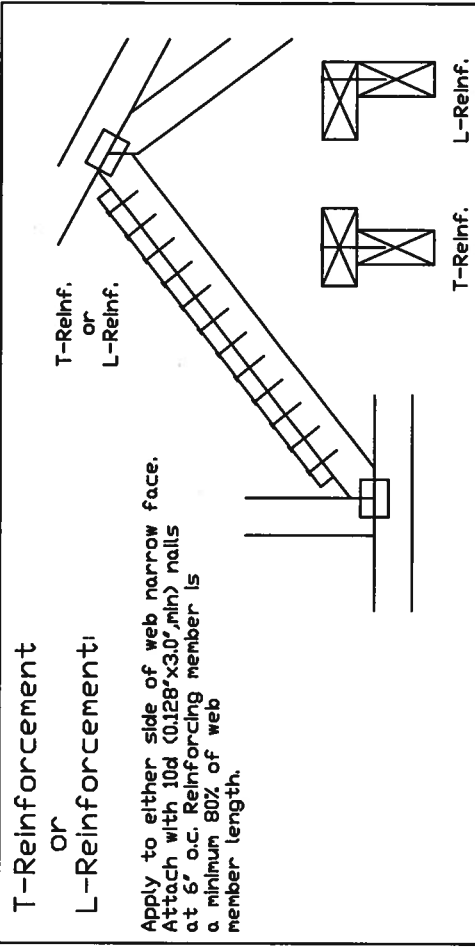
Member Substitution

Notes:

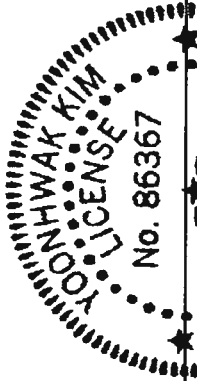
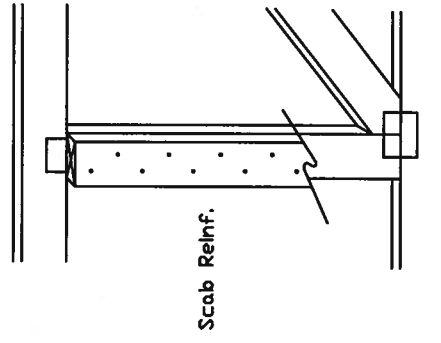
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

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



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



STATE OF
FLORIDA
PROFESSIONAL ENGINEER

==IMPORTANT== FURNISH READ AND FELLOW ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCIS Guiding Component Safety Information, by TPI and SCSA for safety and handling instructions. Trusses are designed to be installed by experienced personnel. If you are not an experienced truss installer, please contact the manufacturer for assistance. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rafter cap. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCIS sections 32, 37 or 310, as applicable. Apply plates to each face of the top chord and bottom chord. Trusses shall be installed in accordance with the manufacturer's instructions and published code requirements. Trusses shall be shown above and on the Joint Details, unless noted otherwise. See Note 3.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the design shown on this drawing. It is the responsibility of the user to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, storage, or any damage to the truss.

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.alpine.com ITV: www.itv.com SCA: www.sca.com LID: www.lid.com

REF	CLR Subst.
-----	------------

DATE 01/02/19

DRWG BRCLBSUB0119

PSA

TON, L.D.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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DUR. FAC

Maryland Heights, MO 63043

12/26/2019
FL REG# 278, Yoonhwak Kim, FL PE #86367

Diagram illustrating the reinforcement details for a gable truss. The main structure shows a gable truss with various members and reinforcement details indicated by symbols (+, *, and *).

Reinforcement Details:

- Example:** Shows two types of reinforcement for vertical plates: $2X4$ and $2X8$.
- Notes:**
 - Refer to appropriate Alpha 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.

'T' Reinforcement Attachment Detail:

This detail shows the connection between a 'T' Reinforcing Member and a Toe-nail. The connection is secured with an End-nail. The diagram also indicates the direction of the 'T' Reinforcing Member and the Toe-nail.

Labels:

- Sym. About
- Gable Vertical Length typ.
- End-nail
- Toe-nail
- 'T' Reinforcing Member
- 'T' Reinforcing Member

Notes:

- To convert from 'L' to 'T' reinforcing members,

LENEOIL 270,

MAX. SPACING	24.0"
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July 200
Maryland Heights, MO 63043

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

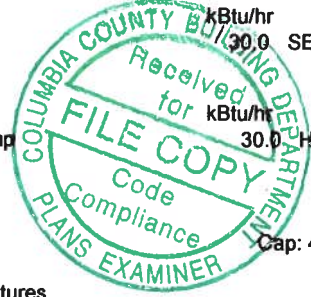
Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Rose Point Spec
 Street:
 City, State, Zip: Lake City, FL, 32024
 Owner:
 Design Location: FL, Gainesville

Builder Name:
 Permit Office:
 Permit Number:
 Jurisdiction:
 County: Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	1570
Conditioned floor area below grade (ft²)	0
7. Windows(148.0 sqft.)	Description Area
a. U-Factor:	DbI, U=0.33 148.00 ft²
SHGC:	SHGC=0.22
b. U-Factor:	N/A ft²
SHGC:	
c. U-Factor:	N/A ft²
SHGC:	
d. U-Factor:	N/A ft²
SHGC:	
Area Weighted Average Overhang Depth: 2.493 ft.	
Area Weighted Average SHGC: 0.220	
8. Floor Types (1570.0 sqft.)	Insulation Area
a. Slab-On-Grade Edge Insulation	R=0.0 1570.00 ft²
b. N/A	R= ft²
c. N/A	R= ft²

9. Wall Types (1695.1 sqft.)	Insulation Area
a. Frame - Wood, Exterior	R=13.0 1461.10 ft²
b. Frame - Wood, Adjacent	R=13.0 234.00 ft²
c. N/A	R= ft²
d. N/A	R= ft²
10. Ceiling Types (1570.0 sqft.)	Insulation Area
a. Under Attic (Vented)	R=30.0 1570.00 ft²
b. N/A	R= ft²
c. N/A	R= ft²
11. Ducts	R ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6 314
12. Cooling systems	kBtu/hr Efficiency
a. Central Unit	30.0 SEER:14.00
13. Heating systems	kBtu/hr Efficiency
a. Electric Heat Pump	30.0 HSPF:8.50
14. Hot water systems	Cap: 40 gallons
a. Electric	EF: 0.920
b. Conservation features	
None	
15. Credits	CF, Pstat



Glass/Floor Area: 0.094

Total Proposed Modified Loads: 45.65

Total Baseline Loads: 47.64

PASS

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

PREPARED BY: _____

DATE: _____

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Rose Point Spec	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1527	Lot #	20
Owner Name:		Total Stories:	1	Block/Subdivision:	Rose Point
# of Units:	1	Worst Case:	No	PlatBook:	SW Cherry Blossom W
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
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	1570	12560

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1570	12560	Yes	6	3	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	195 ft	0	1570 ft²	0.33	0.33	0.34

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	1756 ft²	0 ft²	Medium	N	0.85	No	0.9	No	0	26.6

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1570 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	1570 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	N	Exterior	Frame - Wood	Main	13	29	2	8		233.3 ft²	0.625	0.23	0.75	0
2	W	Exterior	Frame - Wood	Main	13	8		9		72.0 ft²	0.625	0.23	0.75	0
3	N	Exterior	Frame - Wood	Main	13	10	8	9		96.0 ft²	0.625	0.23	0.75	0
4	E	Exterior	Frame - Wood	Main	13	8		9		72.0 ft²	0.625	0.23	0.75	0
5	N	Exterior	Frame - Wood	Main	13	10	2	9		91.5 ft²	0.625	0.23	0.75	0
6	E	Exterior	Frame - Wood	Main	13	27	5	9		246.8 ft²	0.625	0.23	0.75	0
7	S	Exterior	Frame - Wood	Main	13	18	6	9		166.5 ft²	0.625	0.23	0.75	0
8	W	Exterior	Frame - Wood	Main	13	5		9		45.0 ft²	0.625	0.23	0.75	0
9	S	Exterior	Frame - Wood	Main	13	10	10	9		97.5 ft²	0.625	0.23	0.75	0
10	E	Exterior	Frame - Wood	Main	13	5		9		45.0 ft²	0.625	0.23	0.75	0
11	W	Exterior	Frame - Wood	Main	13	32	10	9		295.5 ft²	0.625	0.23	0.75	0
12	S	Garage	Frame - Wood	Main	13	26		9		234.0 ft²	0.625	0.23	0.75	0

DOORS

✓ #	Omt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	E	Insulated	Main	None	.4	6		6	8	40 ft²
2	S	Insulated	Main	None	.4	3		6	8	20 ft²
3	S	Insulated	Main	None	.4	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Omt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	45.0 ft²	1 ft 6 in	1 ft 4 in	None	None
2	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
3	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
4	N	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	9.0 ft²	9 ft 6 in	1 ft 4 in	None	None
5	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
6	S	9	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	6 ft 6 in	1 ft 4 in	None	None
7	W	11	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None

GARAGE

✓ #	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
1	430.5 ft²	430.5 ft²	56.667 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000254	1046.7	57.46	108.06	.0956	5

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
<input type="checkbox"/>	1	Electric Heat Pump/	None	HSPF:8.5	30 kBtu/hr	1	sys#1

COOLING SYSTEM

<input checked="" type="checkbox"/>	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
<input type="checkbox"/>	1	Central Unit/	None	SEER: 14	30 kBtu/hr	900 cfm	0.85	1	sys#1

HOT WATER SYSTEM

<input checked="" type="checkbox"/>	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
<input type="checkbox"/>	1	Electric	None	Garage	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

<input checked="" type="checkbox"/>	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
<input type="checkbox"/>	None	None			ft ²		

DUCTS

<input checked="" type="checkbox"/>	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
<input type="checkbox"/>	1	Attic	6	314 ft ²	Attic	78.5 ft ²	Prop. Leak Free	Garage	— cfm	47.1 cfm	0.03	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling Heating Venting	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Jan <input type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb <input type="checkbox"/> Feb <input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar <input type="checkbox"/> Mar <input type="checkbox"/> Mar	<input type="checkbox"/> Apr <input type="checkbox"/> Apr <input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May <input type="checkbox"/> May <input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun <input type="checkbox"/> Jun <input type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul <input type="checkbox"/> Jul <input type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug <input type="checkbox"/> Aug <input type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep <input type="checkbox"/> Sep <input type="checkbox"/> Sep	<input type="checkbox"/> Oct <input type="checkbox"/> Oct <input checked="" type="checkbox"/> Oct	<input type="checkbox"/> Nov <input type="checkbox"/> Nov <input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec <input type="checkbox"/> Dec <input type="checkbox"/> Dec
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Thermostat Schedule: HERS 2006 Reference

Hours

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Heating (WD)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.)	0 ft ²	0 ft	0.3	Main

Residential System Sizing Calculation

Summary

Project Title:
Rose Point Spec

Lake City, FL 32024

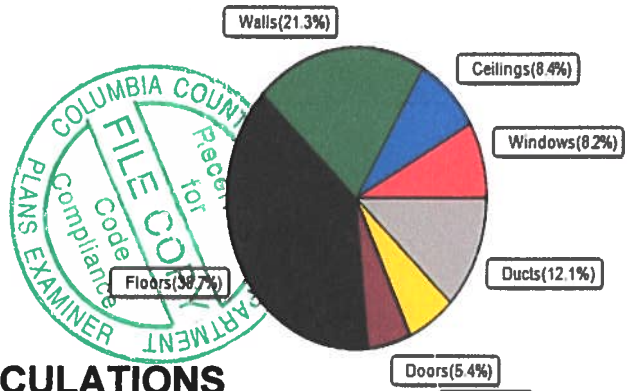
6/21/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
Total heating load calculation	23779 Btuh	Total cooling load calculation	16890 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	126.2 30000	Sensible (SHR = 0.85)	176.3 25500
Heat Pump + Auxiliary(0.0kW)	126.2 30000	Latent	185.2 4500
		Total (Electric Heat Pump)	177.6 30000

WINTER CALCULATIONS

Winter Heating Load (for 1570 sqft)

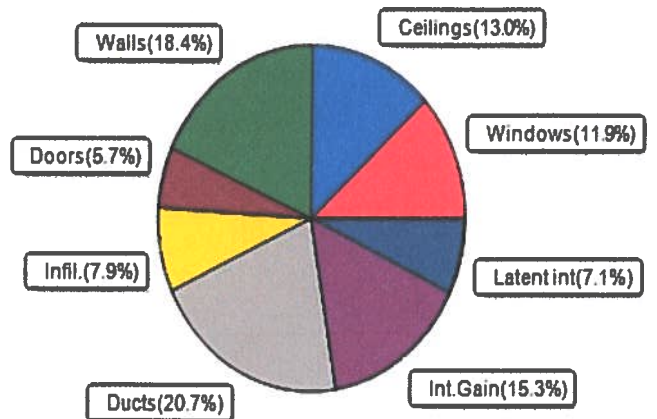
Load component		Load	
Window total	148 sqft	1954	Btuh
Wall total	1467 sqft	5059	Btuh
Door total	80 sqft	1280	Btuh
Ceiling total	1570 sqft	2000	Btuh
Floor total	1570 sqft	9204	Btuh
Infiltration	32 cfm	1402	Btuh
Duct loss		2880	Btuh
Subtotal		23779	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		23779	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1570 sqft)

Load component		Load	
Window total	148 sqft	2012	Btuh
Wall total	1467 sqft	3105	Btuh
Door total	80 sqft	960	Btuh
Ceiling total	1570 sqft	2200	Btuh
Floor total		0	Btuh
Infiltration	24 cfm	500	Btuh
Internal gain		2580	Btuh
Duct gain		3103	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		14460	Btuh
Latent gain(ducts)		400	Btuh
Latent gain(infiltration)		829	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		2429	Btuh
TOTAL HEAT GAIN		16890	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

[Signature]
12-20-19