4KY

add CR 32973

Columbia County New Building Permit Application

4058

For Office Use Only Application # 44349 Date Received 1/15 By JW Permit # 39271

Zoning Official LW/BS Date 1-17-20 Flood Zone X Land Use RLD Zoning RR

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner T.C. Date 1-29-20

Comments Power for Main House App # 44347

☐ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Well letter ☐ 911 Sheet N/A ☐ Parent Parcel # 03100-000

☐ 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. 20-0047 (2.3.20) OR City Water ☐ Brittany Fax _____

Applicant (Who will sign/pickup the permit) Josh Sparks / Dunn Phone 386.623.0575

Address 1900 Underwood Avenue, St. Cloud, FL 34771

Owners Name Michael Woods II Phone 407.436.4618

911 Address 520 SW Steedly Dr Lake City FL 32025

Contractors Name - Josh Sparks Phone 386.623.0575

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

Contractor Email josh@sparksconstruction.com ***Include to get updates on this job.

Fee Simple Owner Name & Address n/a

Bonding Co. Name & Address n/a

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

Mortgage Lenders Name & Address Campus Credit Union - 14007 NW 1st Rd 32055 Jonesville, FL 32669

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

Property ID Number 23.46.16.03100-010 Estimated Construction Cost 100,000 w

Subdivision Name _____ Lot ## Block ____ Unit ____ Phase ____

Driving Directions from a Major Road Sisters Welcome road to R on Steedly - lot on L before Sparrow terrace

SCANNED

Construction of Accessory Use Structure recording Studio Commercial OR / Residential

Proposed Use/Occupancy Music Studio Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? _____ If Yes, blueprints included _____ Or Explain n/a

Circle Proposed ☐ Culvert Permit or ☑ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive 238 ft

Actual Distance of Structure from Property Lines - Front approx 745ft Side approx 180ft Side approx 197 ft Rear approx [illegible]

Number of Stories 1 Heated Floor Area 5244 sq ft Total Floor Area 5733 sq ft Acreage 5.3 ac

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

Sent email 1.31.20 2.3.20 27948

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 National Electrical Code.

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Richard Wade Michael Jacoda

Print Owners Name **Owners Signature** ****Property owners must sign here before any permit will be issued.**

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

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

Contractor's Signature

Contractor's License Number CBC1252260
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 15 **day of** July **20**20.

Personally known ____ **or Produced Identification**

B. Watson

State of Florida Notary Signature (For the Contractor)

SEAL:

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

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 14349 JOB NAME M. Woods - recording studio

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

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

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

			Need
ELECTRICAL ☑ CC# 2148	Print Name Ben Sparks	Signature	Lic, Liab, W/C, EX, DE
	Company Name: ~~Bars Plumbing~~ Line Electric		
	License #: EC13009101	Phone #: 386.361.0046	
MECHANICAL/ A/C ☑ CC# 2090	Print Name Stephen Brigboic	Signature	Lic, Liab, W/C, EX, DE
	Company Name: Epic AC		
	License #: CAC1819412	Phone #: 386.688.7707	
PLUMBING/ GAS ☑ CC# 0715	Print Name ~~Bars Plumb~~ Cody Barrs	Signature	Lic, Liab, W/C, EX, DE
	Company Name: Bars Plumbing + Gas		
	License #: CFC1427145	Phone #: 386.752.8656	
ROOFING ☑ CC# 0813	Print Name Ralph Laverdure	Signature	Lic, Liab, W/C, EX, DE
	Company Name: RWL Roofing, LLC		
	License #: CCC1328590	Phone #: 386.755.6439	
SHEET METAL ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License #:	Phone #:	
FIRE SYSTEM/ SPRINKLER ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License#:	Phone #:	
SOLAR ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License #:	Phone #:	
STATE SPECIALTY ☐ CC#	Print Name	Signature	Lic, Liab, W/C, EX, DE
	Company Name:		
	License #:	Phone #:	

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

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values
updated: 1/6/2020

Parcel: << 23-4S-16-03100-010 >>

Aerial Viewer Pictometery Google Maps

2019 2016 2013 2010 2007 2005 Sales

Owner & Property Info

Result: 2 of 3

Owner	WOODS MICHAEL C II 1900 UNDERWOOD AVENUE ST CLOUD, FL 34771		
Site	,		
Description*	COMM NW COR OF SW1/4, RUN S 7 FT TO S R/W STEEDELY DR & POB, E 411.18 FT, S 569.34 FT, W 407.94 FT, N 558.08 FT TO POB. 378-227, 688-792, LE 910-2311, DC 1326-276,277, PB 1327-1903, WD 1393-600,		
Area	5.3 AC	S/T/R	23-4S-16E
Use Code**	VACANT (000000)	Tax District	2

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

Property & Assessment Values

2019 Certified Values	2020 Working Values	
There are no 2019 Certified Values for this parcel	Mkt Land (1)	$23,647
	Ag Land (0)	$0
	Building (0)	$0
	XFOB (0)	$0
	Just	$23,647
	Class	$0
	Appraised	$23,647
	SOH Cap [?]	$0
	Assessed	$23,647
	Exempt	$0
	Total Taxable	county:$23,647 city:$23,647 other:$23,647 school:$23,647

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
8/22/2019	$0	1393/0600	WD	V	U	30

Building Characteristics

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

Extra Features & Out Buildings (Codes)

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

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	5.300 AC	1.00/1.00 1.00/1.00	$4,462	$23,647

Search Result: 2 of 3

by: GrizzlyLogic.com

2018Aerials

2018 Flood Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

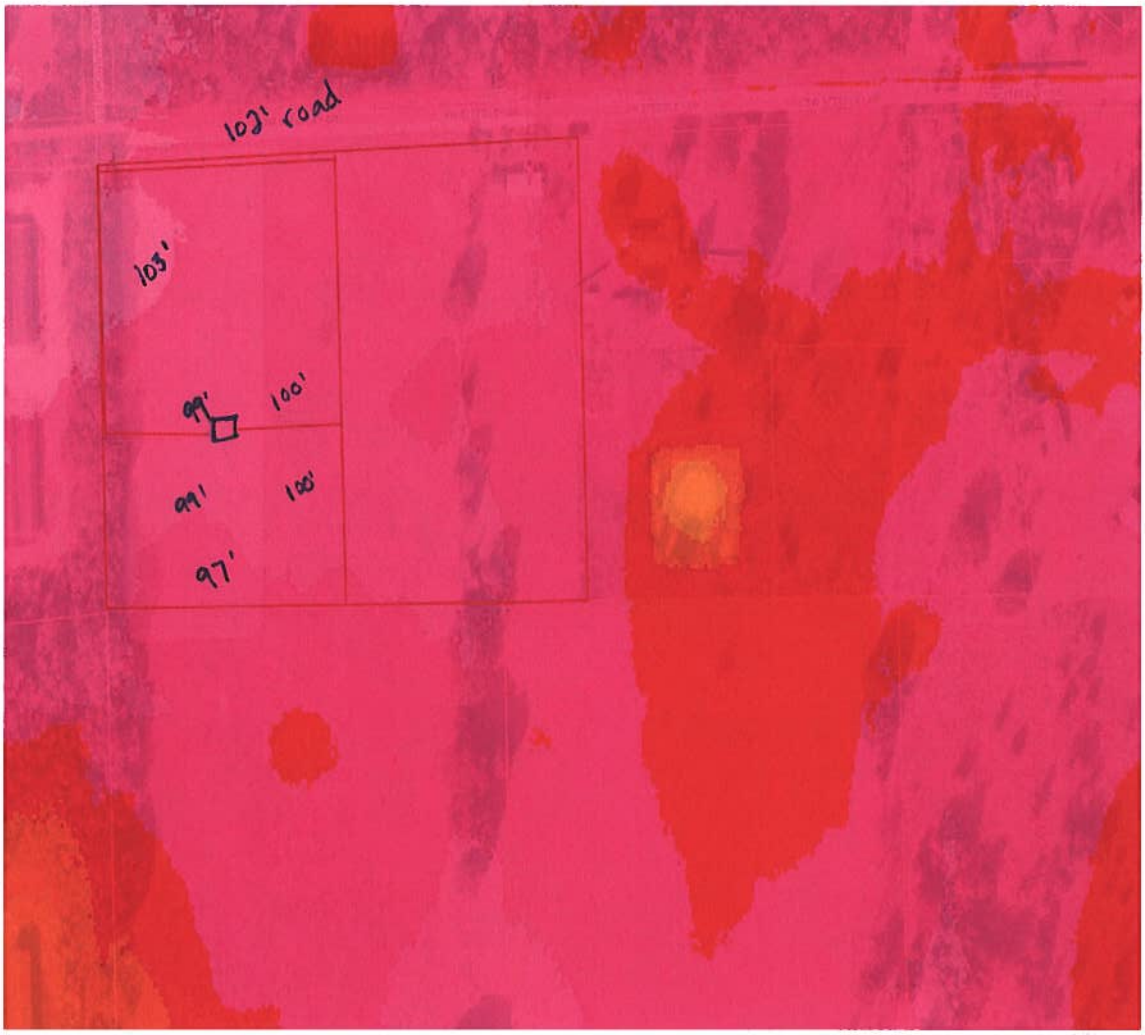
SRWMD Wetlands

LidarElevations

SectionTownshipAndRange

Parcels

Printed: Fri Jan 17 2020 15:45:10 GMT-0500 (Eastern Standard Time)



Parcel Information

Parcel No: 23-4S-16-03100-000

Owner: ANDERSON JUDITH C &

Subdivision:

Lot:

Acres: 10.25932

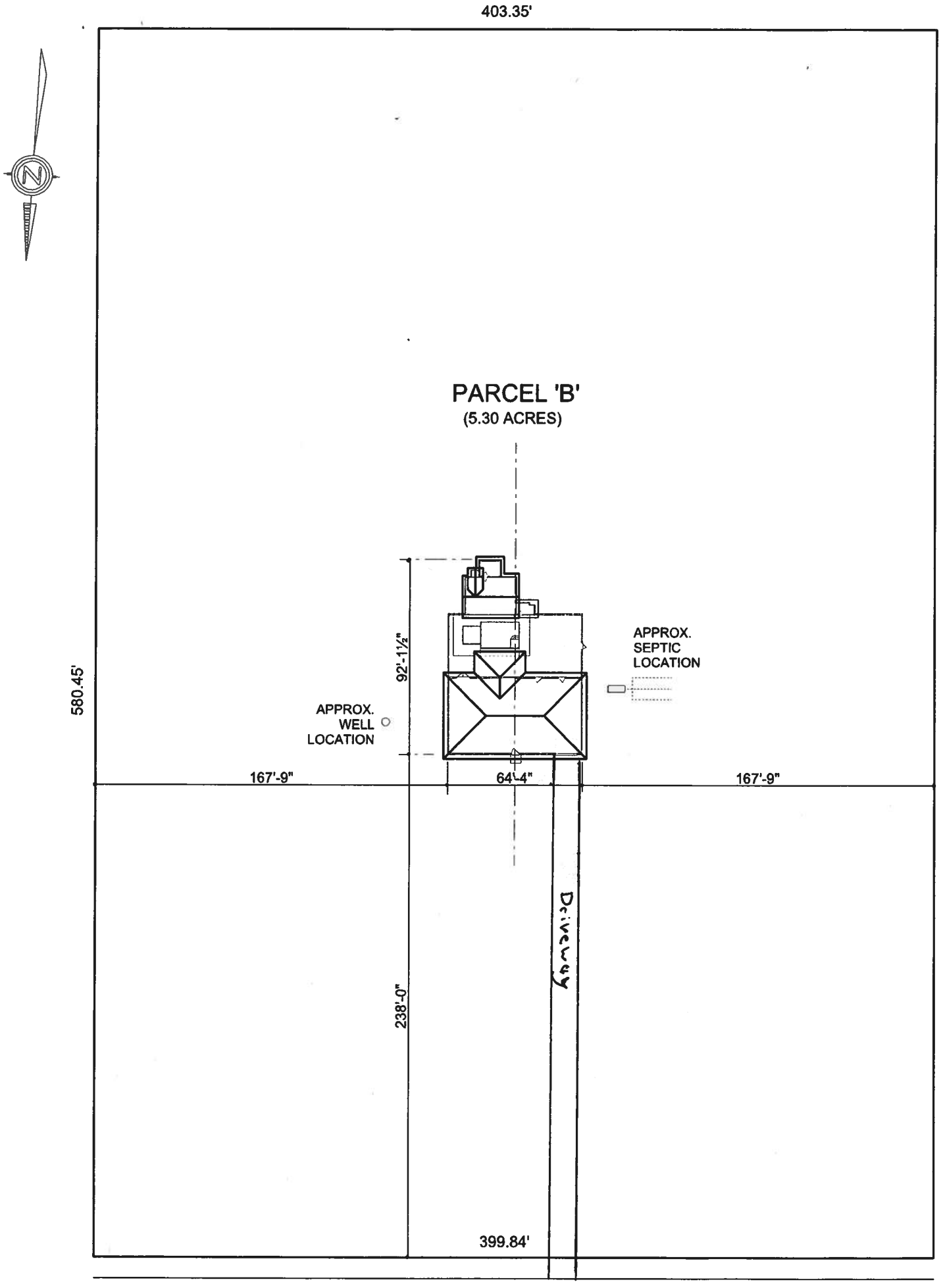
Deed Acres: 10.65 Ac

District: District 3 Bucky Nash

Future Land Uses: Residential - Very Low

Flood Zones:

Official Zoning Atlas: RR


403.35'
PARCEL 'B'
(5.30 ACRES)
580.45'
92'-1½"
APPROX.
SEPTIC
LOCATION
APPROX.
WELL
LOCATION
167'-9"
64'-4"
167'-9"
Driveway
238'-0"
399.84'
SW STEEDLEY DRIVE

SCALE: 1" - 60'-0"

BSG:lss

8/13/2019

This instrument prepared by
Bonnie S. Green
Darby Peele & Green, PLLC
Attorney at Law
1241 South Marion Avenue
Lake City, Florida 32025

This document was prepared with a property description furnished to the preparer, and without the benefit of any title search. The parties, their heirs, successors, or assigns hereby agree to indemnify and hold harmless the preparer for any damages, including reasonable attorney fees, resulting from an inaccurate or improper legal description.

REC. $27.00
DOC. $
INT. $
INDEX $
CONSIDERATION Love & affection

Inst: 201912020154 Date: 08/28/2019 Time: 3:41PM
Page 1 of 3 B: 1393 P: 600, P.DeWitt Cason, Clerk of Court Colum
County, By: BD
Deputy Clerk

WARRANTY DEED

THIS WARRANTY DEED made this 22nd day of August, 2019, by JUDITH C. ANDERSON, a single woman not residing on the property, whose mailing address is 206 East Cypress Street, Kissimmee, Florida 34744, and MICHAEL CLINTON WOODS, a married man not residing on the property, whose mailing address is 1900 Underwood Avenue, St. Cloud, Florida 34771, hereinafter called the Grantor, to MICHAEL C. WOODS, II, whose mailing address is 1900 Underwood Avenue, St. Cloud, Florida 34771, hereinafter called the Grantee:

WITNESSETH:

That the Grantor, for and in consideration of love and affection hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all that certain land situate in Columbia County, Florida, viz:

COMMENCE at the Northwest corner of the Southwest 1/4 of Section 23, Township 4 South, Range 16 East, Columbia County, Florida and run S.02°26'19"E. along the West line of said Section 23 a distance of 7.00 feet to a point on the Southerly maintained Right-of-Way line of SW Steedley Drive and the POINT OF

BEGINNING; thence N.87°27'44"E. along said Southerly maintained Right-of-Way line 411.18 feet; thence S.02°05'56"E. 569.34 feet; thence S.89°02'31"W. 407.94 feet to a point on the West line of Section 23; thence N.02°26'19"W. along said West line 558.08 feet to the POINT OF BEGINNING. Containing 5.30 acres, more or less.

Parcel Number: A portion of Tax Parcel No. 23-4S-16-03100-000

This deed is given to and accepted by Grantee subject to all restrictions, reservations, easements, limitations, and mineral rights of record, if any, and all zoning and land use rules, regulations, and ordinances, but this shall not serve to reimpose the same.

N. B. Grantors hereby warrant that neither the subject property nor any contiguous property was ever utilized by them or any member of their family as their homestead.

Grantors are the aunt and father respectively of Grantee.

TOGETHER WITH all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

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

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2018.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in the presence of:

Bonnie S Green
Witness
BONNIE S. GREEN
(Print/type name)

Loretta S Steinmann
Witness
Loretta S. Steinmann
(Print/type name)

Judith C Anderson (SEAL)
JUDITH C. ANDERSON

Michael Clinton Woods (SEAL)
MICHAEL CLINTON WOODS

STATE OF FLORIDA

COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 29th day of August, 2019, by JUDITH C. ANDERSON and MICHAEL CLINTON WOODS, who are personally known to me, or who produced Fl Drivers License as identification.

LORETTA S. STEINMANN
Commission # GG 141530
Expires October 8, 2021
Bonded Thru Troy Fain Insurance 800-385-7019

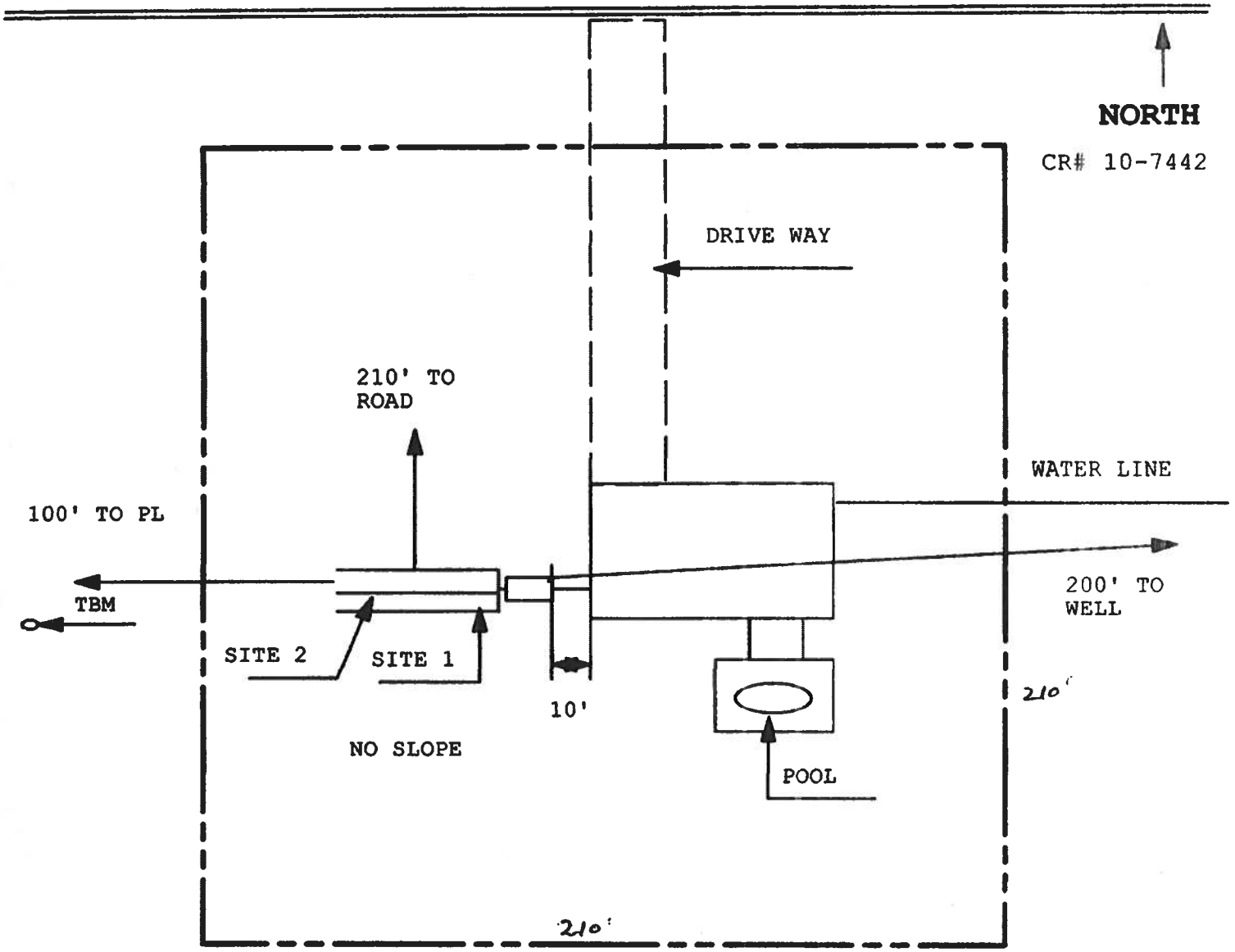
Loretta S Steinmann
Notary Public, State of Florida
Loretta S. Steinmann
(Print/type name)

(NOTARIAL SEAL)

My Commission Expires:

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 20-0047

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



NO WELLS WITHIN 100' 1 INCH = 40 FEET

Site Plan Submitted By Paul Lloyd **Date** 1/15/20

Plan Approved ✓ **Not Approved** ___ **Date** 1-28-20

By Sallie Ford Env Health Director **CPHU** Columbia

Notes: _____

CR # 10-7442

PERMIT NO. 21-0247
DATE PAID: 1/16/20
FEE PAID: $ 150.00
RECEIPT #: 4422013

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

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ]

APPLICANT: MICHAEL C. WOODS II

AGENT: SPARKS CONSTRUCTION TELEPHONE: (386) 755-9314

MAILING ADDRESS: 426 SW COMMERCE DRIVE SUITE J LAKE CITY FL 32055

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) 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: N/A BLOCK: N/A SUBDIVISION: METES AND BOUNDS PLATTED:

PROPERTY ID #: 23-4S-16-03100-010 ZONING: RES I/M OR EQUIVALENT: [NO]

PROPERTY SIZE: 5.300 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [NO] DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: SW STEEDLY DRIVE LAKE CITY, FL 32024

DIRECTIONS TO PROPERTY: TAKE HWY 90 WEST, TURN LEFT ON SISTER'S WELCOME ROAD. TURN RIGHT ONTO SW STEEDLY DRIVE, SITE IS LAST ON THE LEFT.

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No.	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	HOUSE	3	1,821	
2				
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify)

SIGNATURE: DATE: 1-16-20

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

Laurie Hodson

From: Josh Sparks <josh@sparksconstruction.com>
Sent: Wednesday, January 29, 2020 9:14 AM
To: Troy Crews
Cc: Brandon Stubbs; Laurie Hodson; Liza Williams
Subject: Re: application # 44349 Woods

Private use. Thanks

On Wed, Jan 29, 2020 at 9:13 AM Troy Crews <troy_crews@columbiacountyfla.com> wrote:

> Josh we need to know if this is a professional recording studio with people coming in and out to record, or is it private use for owner only. Possibly could be a zoning issue please advise thanks.

--

Josh Sparks/ President
Sparks Construction Inc
www.sparksconstruction.com
josh@sparksconstruction.com
C 386-623-0575
O 386-755-9314

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
1	Two (2) complete sets of plans containing the following:	- Yes
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	- Yes
3	Condition space (Sq. Ft.) 5222 sq ft Total (Sq. Ft.) under roof 5222 sq ft	YES / NO / N/A

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

Site Plan information including:

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
8	**Plans or specifications must show compliance with FBCR Chapter 3**	(YES) / NO / N/A
		Select From the Dropbox
9	Basic wind speed (3-second gust), miles per hour	- Yes
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	- Yes
11	Wind importance factor and nature of occupancy	- Yes
12	The applicable internal pressure coefficient, Components and Cladding	- Yes
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	- Yes

Elevations Drawing including:

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

Floor Plan including:

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

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 Marked as Applicable

YES / NO / N/A

FBCR 403: Foundation Plans

Select From the Dropbox

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	- yes

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

YES / NO / N/A

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

YES / NO / N/A

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable Select From the Dropbox
73	Show the insulation R value for the following areas of the structure	- YES
74	Attic space	- YES
75	Exterior wall cavity	- YES
76	Crawl space	- N/A
	HVAC information	
77	Submit two copies of a Manual J sizing equipment or equivalent computation study	- YES
78	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	- YES
79	Show clothes dryer route and total run of exhaust duct	- YES
	Plumbing Fixture layout shown	
80	All fixtures waste water lines shall be shown on the foundation plan	- YES
81	Show the location of water heater	- YES
	Private Potable Water	
82	Pump motor horse power	-
83	Reservoir pressure tank gallon capacity	-
84	Rating of cycle stop valve if used	-
	Electrical layout shown including	
85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	- YES
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**	- YES
87	Show the location of smoke detectors & Carbon monoxide detectors	- YES
88	Show service panel, sub-panel, location(s) and total ampere ratings	- YES
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	- YES
90	Appliances and HVAC equipment and disconnects	- YES
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.	- YES

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

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

Notice Of Commencement

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

Section R101.2.1 of the Florida Building Code Residential:

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

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the 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	Single hung	FL5965-R9
B. SLIDING			
C. SECTIONAL/ROLL UP	CHI Overhead	Garage Door	FL12065-R4
D. OTHER	Masonite	Single door w/sidelites	FL17796-R2
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MI Windows	Single hung	FL17499-R5
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Hardie	plank siding	FL10477-R7
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Timberline		FL3443-R28
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	Simpson		FL620-R18
B. WOOD ANCHORS			
C. TRUSS PLATES	Si		
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 1.15.2020 Date

NOTES: _____

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

SCANNED

Project Name:	Michael Woods - studio	Builder Name:	Sparks Construction
Street:	422 Steedley Drive	Permit Office:	Columbia County
City, State, Zip:	Lake City , FL ,	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	0
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	581
Conditioned floor area below grade (ft²)	0

7. Windows (58.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.36	58.00 ft²
SHGC:	SHGC=0.25	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		1.473 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (581.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	581.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (987.4 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=19.0	876.75 ft²
b. Frame - Wood, Exterior	R=13.0	110.63 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (610.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	610.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Attic	6	145.25

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	7.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	12.7	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 40 gallons
	EF: 0.920
b. Conservation features	
None	
15. Credits	CV, Pstat

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

Glass/Floor Area: 0.100

Total Proposed Modified Loads: 19.21

Total Baseline Loads: 22.03

PASS

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

PREPARED BY: _____

DATE: 12/20/2019

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

- **Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.**
- **Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).**

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Michael Woods - studio	Bedrooms:	0	Address Type:	Street Address
Building Type:	User	Conditioned Area:	581	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Sparks Construction	Rotate Angle:	0	Street:	422 Steedley Drive
Permit Office:	Columbia County	Cross Ventilation:	Yes	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	581	5229

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	581	5229	No	3	0	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	Main	119 ft	0	581 ft²	----	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	612 ft²	96 ft²	Medium	Y	0.96	No	0.9	No	0	18.4

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	581 ft²	Y	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Double Batt	610 ft²	0.11	Wood

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
___	1	N	Exterior	Frame - Wood	Main	19	33	4	9		300.0 ft²		0.23	0.75	0
___	2	W	Exterior	Frame - Wood	Main	13	6		7	6	45.0 ft²		0.23	0.75	0
___	3	S	Exterior	Frame - Wood	Main	13	8	9	7	6	65.6 ft²		0.23	0.75	0
___	4	W	Exterior	Frame - Wood	Main	19	20		9		180.0 ft²		0.23	0.75	0
___	5	S	Exterior	Frame - Wood	Main	19	18	1	9		162.8 ft²		0.23	0.75	0
___	6	E	Exterior	Frame - Wood	Main	19	26		9		234.0 ft²		0.23	0.75	0

DOORS

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

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	1	Metal	Low-E Double	Yes	0.36	0.25	N	53.3 ft²	1 ft 6 in	2 ft 0 in	None	None
_____	2	W	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.7 ft²	1 ft 2 in	3 ft 0 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	435.8	23.92	44.99	.1128	5

HEATING SYSTEM

√	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	Single	HSPF:8.2	12.69 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	Single	SEER: 14	6.95 kBtu/hr	210 cfm	0.7	1	sys#1

HOT WATER SYSTEM

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

SOLAR HOT WATER SYSTEM

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

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

DUCTS

√	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	145.25 f	Attic	29.05 ft²	Default Leakage	Attic	(Default) c	(Default) c			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

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

MASS

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 87

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

1. New home or, addition	1. New (From Plans)	
2. Single-family or multiple-family	2. Single-family	
3. No. of units (if multiple-family)	3. 1	
4. Number of bedrooms	4. 0	
5. Is this a worst case? (yes/no)	5. No	
6. Conditioned floor area (sq. ft.)	6. 581	
7. Windows, type and area		
a) U-factor:(weighted average)	7a. 0.360	
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.250	
c) Area	7c. 58.0	
8. Skylights		
a) U-factor:(weighted average)	8a. NA	
b) Solar Heat Gain Coefficient (SHGC)	8b. NA	
9. Floor type, insulation level:		
a) Slab-on-grade (R-value)	9a. 0.0	
b) Wood, raised (R-value)	9b.	
c) Concrete, raised (R-value)	9c.	
10. Wall type and insulation:		
A. Exterior:		
1. Wood frame (Insulation R-value)	10A1. varies	
2. Masonry (Insulation R-value)	10A2.	
B. Adjacent:		
1. Wood frame (Insulation R-value)	10B1.	
2. Masonry (Insulation R-value)	10B2.	
11. Ceiling type and insulation level		
a) Under attic	11a. 38.0	
b) Single assembly	11b.	
c) Knee walls/skylight walls	11c.	
d) Radiant barrier installed	11d. Yes	
12. Ducts, location & insulation level		
a) Supply ducts		R 6.0
b) Return ducts		R 6.0
c) AHU location		Attic
13. Cooling system:		Capacity 7.0
a) Split system		SEER
b) Single package		SEER
c) Ground/water source		SEER/COP
d) Room unit/PTAC		EER
e) Other		14.0
14. Heating system:		Capacity 12.7
a) Split system heat pump		HSPF
b) Single package heat pump		HSPF
c) Electric resistance		COP
d) Gas furnace, natural gas		AFUE
e) Gas furnace, LPG		AFUE
f) Other		8.20
15. Water heating system		
a) Electric resistance		EF 0.92
b) Gas fired, natural gas		EF
c) Gas fired, LPG		EF
d) Solar system with tank		EF
e) Dedicated heat pump with tank		EF
f) Heat recovery unit		HeatRec%
g) Other		
16. HVAC credits claimed (Performance Method)		
a) Ceiling fans		
b) Cross ventilation		Yes
c) Whole house fan		No
d) Multizone cooling credit		
e) Multizone heating credit		
f) Programmable thermostat		Yes

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature:_____ Date:_____

Address of New Home: 422 Steedley Drive City/FL Zip: Lake City, FL

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance
2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction:	Permit #:

Job Information

Builder: Sparks Construction Community: Lot: NA

Address: 422 Steedley Drive

City: Lake City State: FL Zip:

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

○ **PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

○ **PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2017 (Performance) or R406-2017 (ERI), section labeled as infiltration, sub-section ACH50.

ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 5.000

_____ x 60 ÷ 5229 = _____
CFM(50) Building Volume ACH(50)

☐ **PASS**

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

Method for calculating building volume:

○ Retrieved from architectural plans

● Code software calculated

○ Field measured and calculated

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

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

Testing Company

Company Name: _____ Phone: _____

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

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

Residential System Sizing Calculation

Summary

Project Title:
Michael Woods - studio

422 Steedley Drive
Lake City, FL

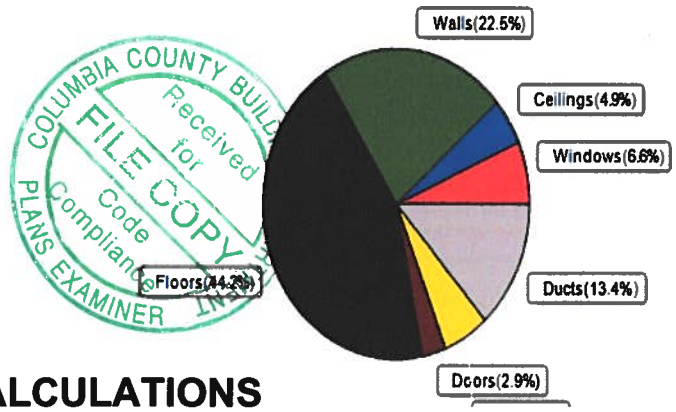
12/20/2019

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	**12694**	**Btuh**	**Total cooling load calculation**	**8177**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	100.0	12694	Sensible (SHR = 0.70)	72.1	4867
Heat Pump + Auxiliary(0.0kW)	100.0	12694	Latent	146.4	2086
			Total (Electric Heat Pump)	85.0	6953

WINTER CALCULATIONS

Winter Heating Load (for 581 sqft)

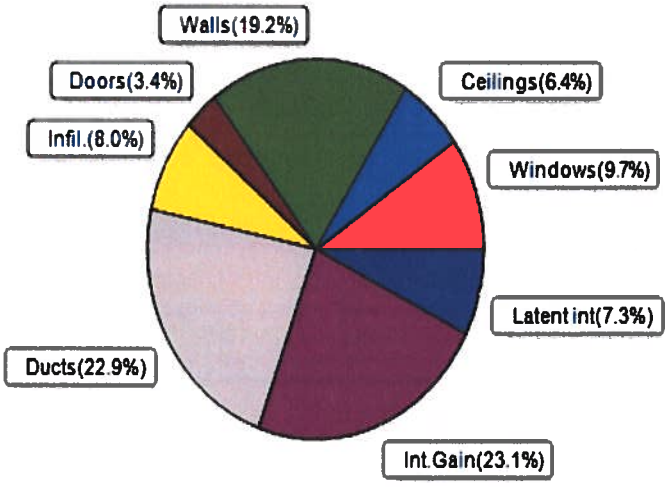
Load component			Load	
Window total	58	sqft	835	Btuh
Wall total	909	sqft	2862	Btuh
Door total	20	sqft	368	Btuh
Ceiling total	610	sqft	619	Btuh
Floor total	581	sqft	5617	Btuh
Infiltration	16	cfm	689	Btuh
Duct loss			1705	Btuh
Subtotal			**12694**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**12694**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 581 sqft)

Load component			Load	
Window total	58	sqft	790	Btuh
Wall total	909	sqft	1571	Btuh
Door total	20	sqft	276	Btuh
Ceiling total	610	sqft	526	Btuh
Floor total			0	Btuh
Infiltration	12	cfm	245	Btuh
Internal gain			1890	Btuh
Duct gain			1454	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**6753**	**Btuh**
Latent gain(ducts)			417	Btuh
Latent gain(infiltration)			407	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			600	Btuh
Total latent gain			**1424**	**Btuh**
TOTAL HEAT GAIN			**8177**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 12/20/2019

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

422 Steedley Drive
Lake City, FL

Project Title:
Michael Woods - studio
Building Type: User

12/20/2019

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

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.25	Metal	0.36	N	53.3	14.4	768 Btuh
2	2, NFRC 0.25	Vinyl	0.36	W	4.7	14.4	67 Btuh
	Window Total				58.0(sqft)		835 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.077)	19.0/0.0	227	3.09	701 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	45	3.55	160 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	66	3.55	233 Btuh
4	Frame - Wood	- Ext	(0.077)	19.0/0.0	175	3.09	542 Btuh
5	Frame - Wood	- Ext	(0.077)	19.0/0.0	163	3.09	503 Btuh
6	Frame - Wood	- Ext	(0.077)	19.0/0.0	234	3.09	723 Btuh
	Wall Total				909(sqft)		2862 Btuh
Doors	Type	Storm	Ueff.		Area X	HTM=	Load
1	Insulated - Exterior, n		(0.460)		20	18.4	368 Btuh
	Door Total				20(sqft)		368Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing		(0.025)	38.0/0.0	610	1.0	619 Btuh
	Ceiling Total				610(sqft)		619Btuh
Floors	Type		Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	119.0 ft(perim.)	47.2	5617 Btuh
	Floor Total				581 sqft		5617 Btuh
					Envelope Subtotal:		10301 Btuh

Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.18	5229	1.00	15.7	689 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)			(DLM of 0.155)		1705 Btuh
All Zones			**Sensible Subtotal All Zones**			**12694 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	12694 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	12694 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

422 Steedley Drive
Lake City, FL

Project Title:
Michael Woods - studio
Building Type: User

12/20/2019

EQUIPMENT		
1. Electric Heat Pump	#	12694 Btuh

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

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

422 Steedley Drive
Lake City, FL

Project Title:
Michael Woods - studio

12/20/2019

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

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.25, 0.36		No	No	N	1.5ft.	2.0ft.	53.3	0.0	53.3	12	12	645 Btuh
2	2 NFRC	0.25, 0.36		No	No	W	1.2ft.	3.0ft.	4.7	0.0	4.7	12	31	144 Btuh
	Window Total								58 (sqft)					790 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.08	19.0/0.0	226.7	1.7	375 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	45.0	2.3	102 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	65.6	2.3	149 Btuh
4	Frame - Wood - Ext	0.08	19.0/0.0	175.3	1.7	290 Btuh
5	Frame - Wood - Ext	0.08	19.0/0.0	162.8	1.7	269 Btuh
6	Frame - Wood - Ext	0.08	19.0/0.0	234.0	1.7	387 Btuh
	Wall Total			909 (sqft)		1571 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	13.8	276 Btuh
	Door Total	20 (sqft)		276 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle/RB	0.025	38.0/0.0	610.0	0.86	526 Btuh
	Ceiling Total			610 (sqft)		526 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	581 (ft-perimeter)	0.0	0 Btuh
	Floor Total		581.0 (sqft)		0 Btuh
			Envelope Subtotal:		3163 Btuh

Infiltration	Type	Average ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	Natural	0.14	5229	1	11.8	245 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	3	X 230	+	1200	1890 Btuh
			Sensible Envelope Load:		5299 Btuh
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)		(DGM of 0.274)		1454 Btuh
			Sensible Load All Zones		**6753 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A

422 Steedley Drive
Lake City, FL

Michael Woods - studio

12/20/2019

WHOLE HOUSE TOTALS

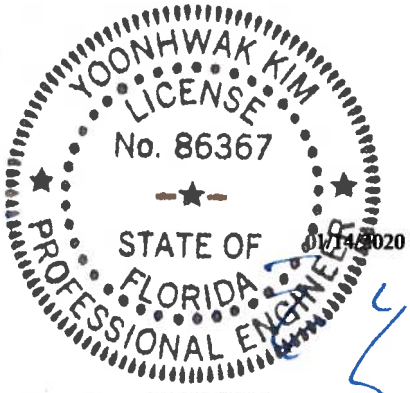
Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**5299 Btuh**
	Sensible Duct Load	1454 Btuh
	Total Sensible Zone Loads	**6753 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**6753 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	407 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	417 Btuh
	Latent occupant gain (3.0 people @ 200 Btuh per person)	600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**1424 Btuh**
	TOTAL GAIN	**8177 Btuh**

EQUIPMENT

1. Central Unit	#	6953 Btuh

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

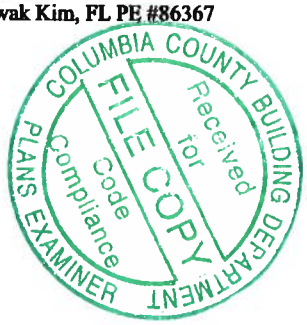
Version 8



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

ALPINE
AN ITW COMPANY

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



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

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 20-3860
Job Description: /Woods Studio /SPARKS CONST.	
Address:	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 18.02.01B *JRef #:* 1WRW2150001
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 12 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	014.20.0846.37813	D01
3	014.20.0846.42377	D03
5	014.20.0846.52063	G02
7	014.20.0846.58087	H01
9	014.20.0847.05740	H03
11	014.20.0847.14193	K01
13	A14015ENC101014	

Item	Drawing Number	Truss
2	014.20.0846.39547	D02
4	014.20.0846.48943	G01
6	014.20.0846.54163	G03
8	014.20.0847.03297	H02
10	014.20.0847.10380	H04
12	014.20.0847.18470	K02
14	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)

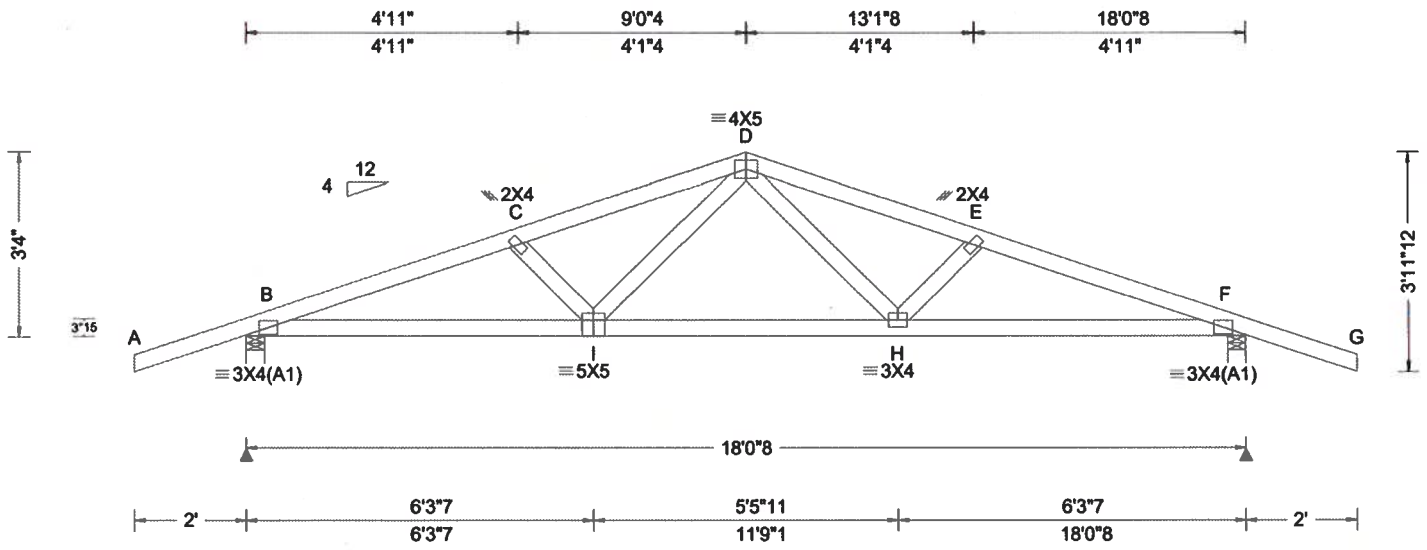
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written 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: 311798 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** D01	Cust: R 215 JRef: 1WRW2160001 T1 DrwNo: 014.20.0846.37813 / YK 01/14/2020	



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.063	D	999	480
VERT(CL): 0.124	D	999	360
HORZ(LL): 0.019	H	-	-
HORZ(TL): 0.037	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.375
Max BC CSI: 0.458
Max Web CSI: 0.154

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	862	/-	/-	/519	/168	/98
F	862	/-	/-	/519	/168	/-

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	733	-1559	D - E	673	-1388
C - D	673	-1387	E - F	733	-1560

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1439	-604	H - F	1440	-616
I - H	1015	-374			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	401	-172	D - H	404	-171

Lumber

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

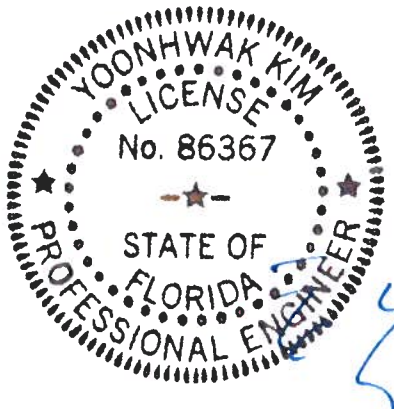
Wind

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 3-4-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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

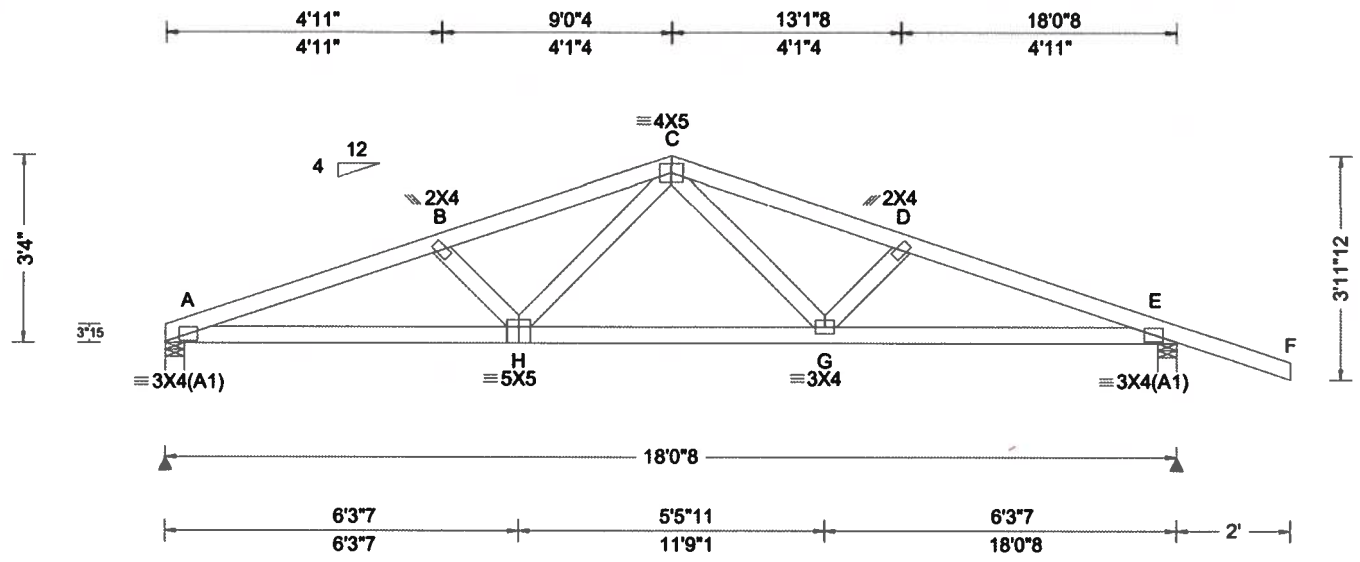
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 311791 COMN FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** D02		Cust: R 215 JRef: 1WRW2150001 T3 DrwNo: 014.20.0846.39547 / YK 01/14/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.063	C	999	480
VERT(CL): 0.125	C	999	360
HORZ(LL): 0.019	G	-	-
HORZ(TL): 0.038	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.333
Max BC CSI: 0.482
Max Web CSI: 0.170

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	723	/-	/-	/411	/129	/86
E	870	/-	/-	/519	/171	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 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	434	- 1635	C - D	381	- 1411
B - C	406	- 1452	D - E	410	- 1584

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	1518	- 348	G - E	1463	- 334
H - G	1040	- 207			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - C	447	- 105	C - G	402	- 81

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 3-4-0.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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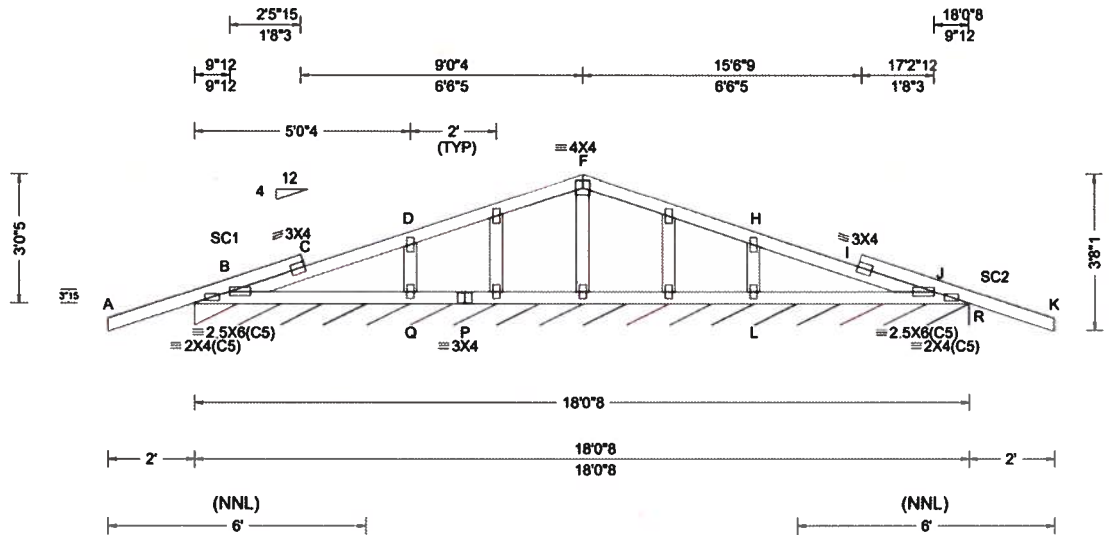
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 313251 GABL FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** D03	Cust: R 215 JRef: 1WRW2150001 T2 DrwNo: 014.20.0846.42377 / YK 01/14/2020



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.022	I	999	480
VERT(CL): 0.039	I	999	360
HORZ(LL): -0.006	I	-	-
HORZ(TL): 0.011	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.861
Max BC CSI: 0.137
Max Web CSI: 0.104

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R*	172	/-	/-	/67	/40	/11

Wind reactions based on MWFRS
R Brg Width = 216 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	582	-475	I - J	581	-471

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
D - Q	360	-415	L - H	360	-415

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

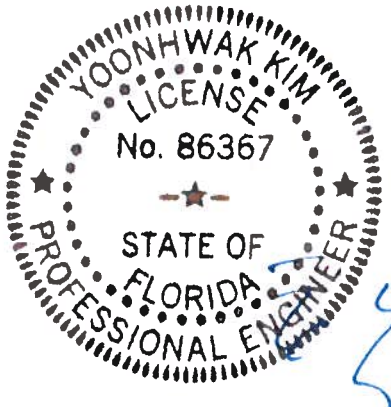
Additional Notes

Refer to General Notes for additional information

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

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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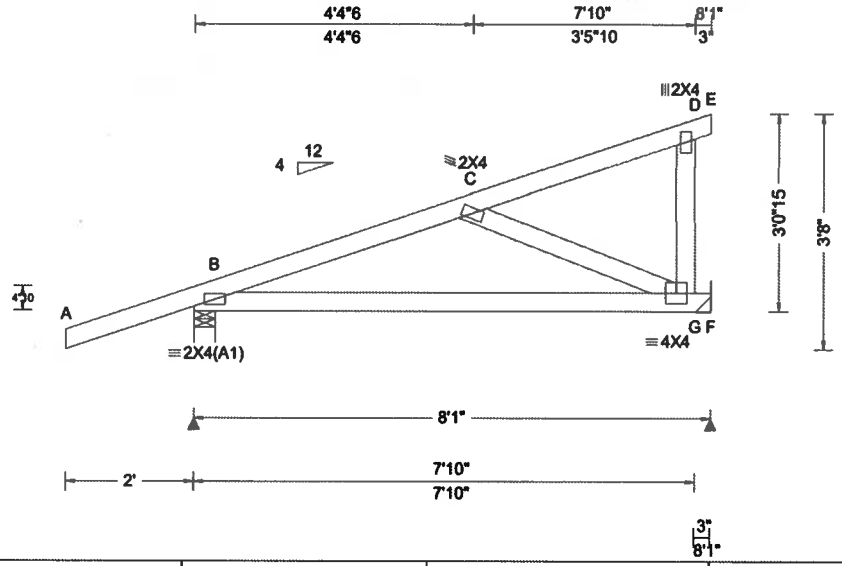
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 313236 MONO FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** G01		Cust: R 215 JRef: 1WRW2150001 T4 DrwNo: 014.20.0846.48943 / YK 01/14/2020



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.011	C	999	480
VERT(CL): 0.031	E	999	360
HORZ(LL): 0.005	G	-	-
HORZ(TL): 0.013	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.515
Max BC CSI: 0.543
Max Web CSI: 0.206

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	483	/-	/-	/326	/88	/96
F	303	/-	/-	/192	/67	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	206	-408

Maximum Web Forces Per Ply (lbs)

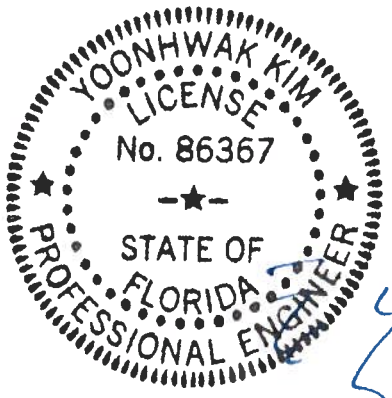
Webs	Tens.	Comp.
C - G	351	-376

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-0-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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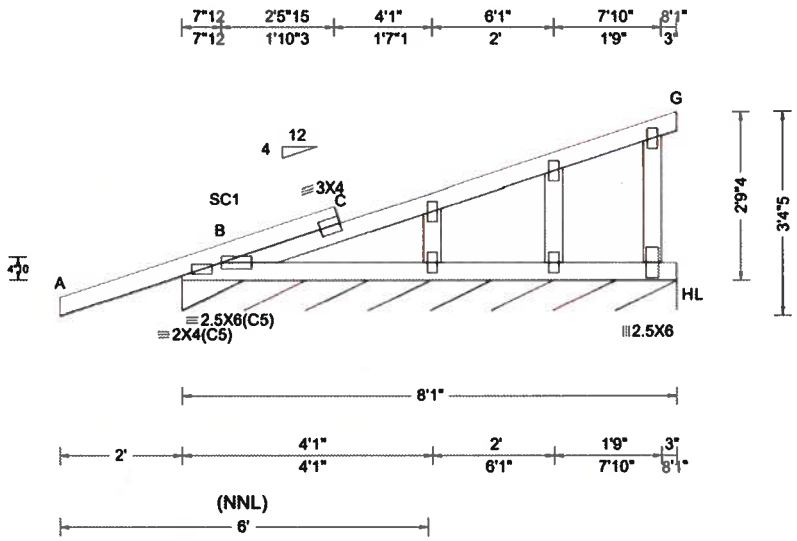
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 313245 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** G02	Cust: R 215 JRef: 1WRW2150001 T6 DrwNo: 014.20.0846.52063 / YK 01/14/2020	



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.007	C	999	480
VERT(CL): 0.011	C	999	360
HORZ(LL): 0.001	C	-	-
HORZ(TL): 0.002	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.365
Max BC CSI: 0.091
Max Web CSI: 0.086

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L*	175	/-	/-	/102	/132	/52

Wind reactions based on MWFRS
L Brg Width = 97.0 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	366	-692

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

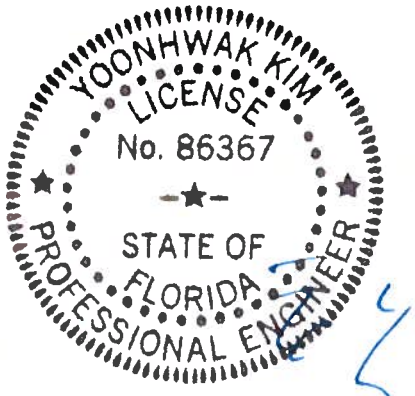
Additional Notes

Refer to General Notes for additional information

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

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

The overall height of this truss excluding overhang is 2-9-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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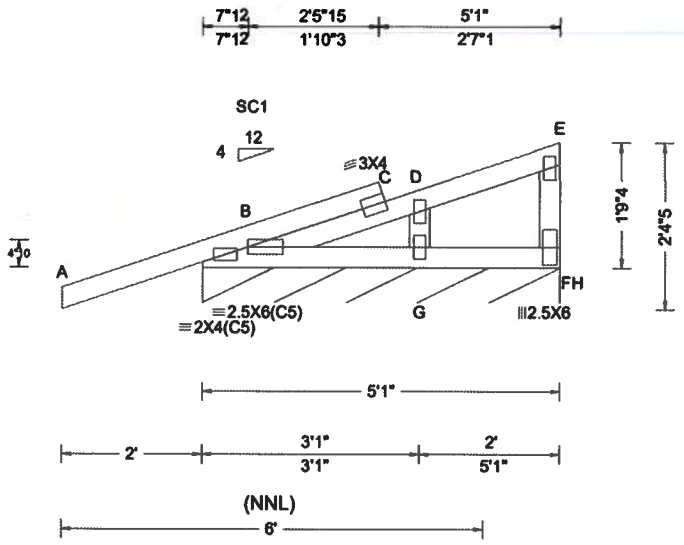
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 313242 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** G03		Cust: R 215 JRef: 1WRW2150001 T8 DrwNo: 014.20.0846.54163 / YK 01/14/2020



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.003	G	999	480
VERT(CL): 0.003	G	999	360
HORZ(LL): -0.003	E	-	-
HORZ(TL): 0.003	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.412
Max BC CSI: 0.103
Max Web CSI: 0.066

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	193	/-	/-	/116	/201	/75

Wind reactions based on MWFRS
H Brg Width = 61.0 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	359	-556

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	464	-52	G - F	471	-52

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
D - G	386	-220

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

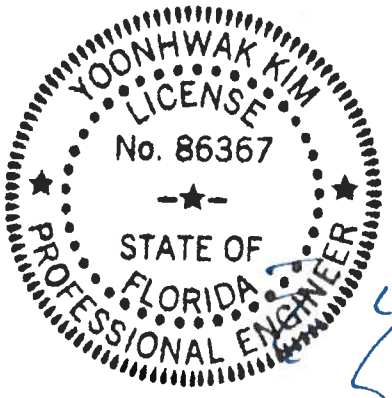
Additional Notes

Refer to General Notes for additional information

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

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

The overall height of this truss excluding overhang is 1-9-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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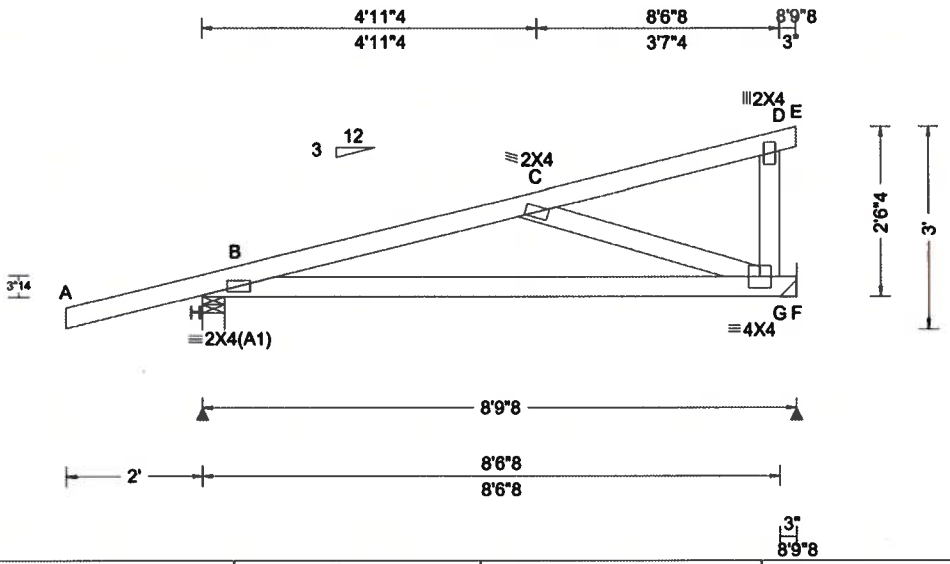
Suite 305
Orlando FL, 32821

SEQN: 313254 MONO FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** H01		Cust: R 215 JRef: 1WRW2150001 T7 DrwNo: 014.20.0846.58087 / YK 01/14/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	G	999	480
VERT(CL): 0.067	G	999	360
HORZ(LL): 0.007	G	-	-
HORZ(TL): 0.019	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.447
Max BC CSI: 0.624
Max Web CSI: 0.233

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
H	507	/-	/-		/279	/124	/77
F	331	/-	/-		/174	/68	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	332	-563

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - G	530	-425

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - G	440	-538

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2-6-4.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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

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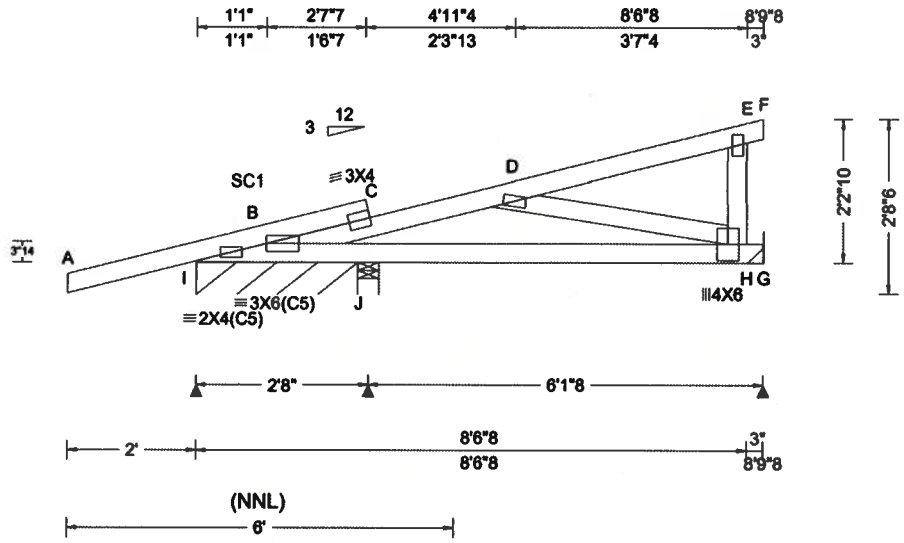
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 313261 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** H02		Cust: R 215 JRef: 1WRW2150001 T11 DrwNo: 014.20.0847.03297 / YK 01/14/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.038	D	999	480
VERT(CL): 0.063	D	999	360
HORZ(LL): -0.008	H	-	-
HORZ(TL): 0.011	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.823
Max BC CSI: 0.520
Max Web CSI: 0.333

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	300	/-	/-	/126	/237	/127
J	283	/-	/-	/216	/110	/-
G	486	/-	/-	/168	/358	/-

Wind reactions based on MWFRS
I Brg Width = 30.0 Min Req = -
J Brg Width = 4.0 Min Req = 1.5
G Brg Width = - Min Req = -
Bearings I & J 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	911	- 1054	C - D	783	- 1010

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - H	1924	- 1907

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - H	972	- 977

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

Plating Notes
All plates are 2X4 except as noted.

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

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind
Wind loads 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
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss excluding overhang is 2-2-10.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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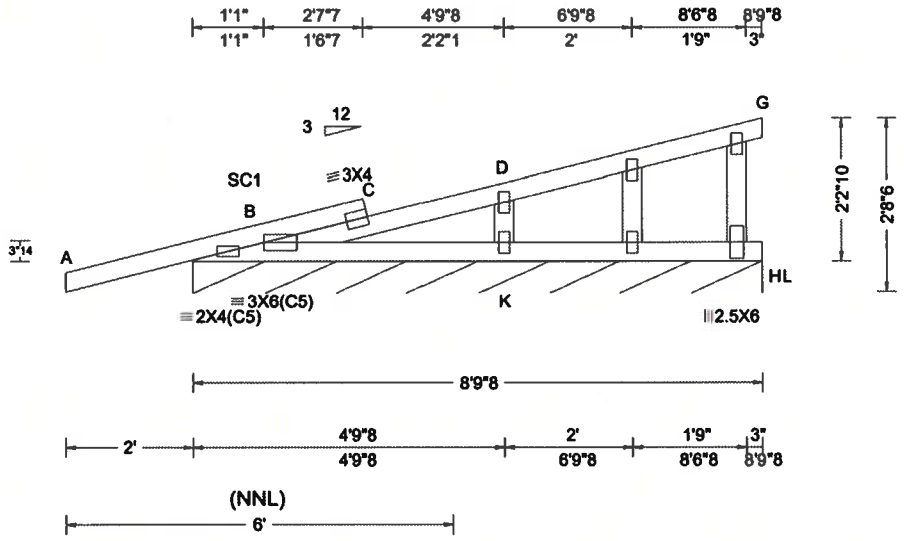
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 313267 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** H03		Cust: R 215 JRef: 1WRW2150001 T14 , DrwNo: 014.20.0847.05740 / YK 01/14/2020



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.017	C	999	480
VERT(CL): 0.029	C	999	360
HORZ(LL): -0.002	G	-	-
HORZ(TL): 0.004	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.823
Max BC CSI: 0.167
Max Web CSI: 0.100

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L*	170	/-	/-	/75	/120	/36

Wind reactions based on MWFRS
L Brg Width = 105 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	401	-660

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
D - K	366	-392

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

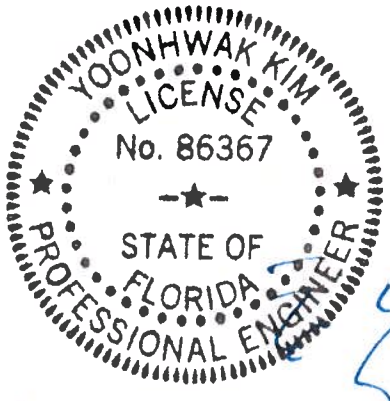
Additional Notes

Refer to General Notes for additional information

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

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

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



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01/14/2020

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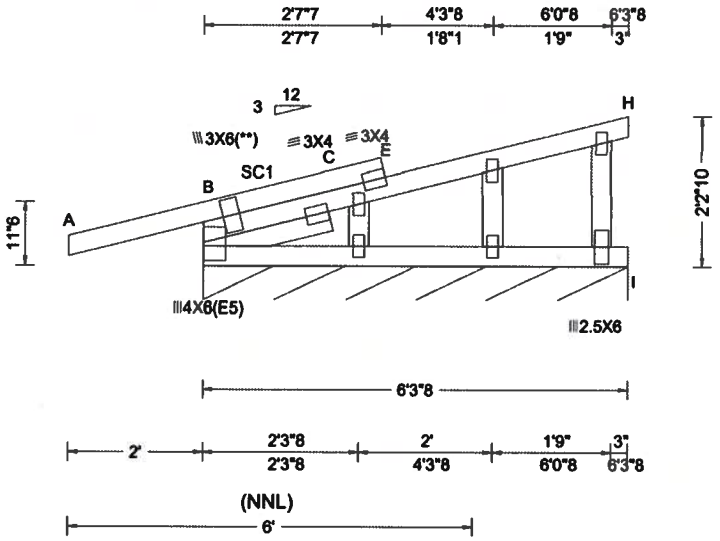
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 313264 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** H04		Cust: R 215 JRef: 1WRW2150001 T10 DrwNo: 014.20.0847.10380 / YK 01/14/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.005	B	999	480
VERT(CL): 0.005	B	999	360
HORZ(LL): -0.002	B	-	-
HORZ(TL): 0.003	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.355
Max BC CSI: 0.035
Max Web CSI: 0.110

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	183	/-	/-	/82	/174	/49

Wind reactions based on MWFRS
I Brg Width = 75.5 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.	Chords	Tens.	Comp.
B - C	27	-410	C - E	7	-397

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP M-31;
Lt Slider: 2x4 SP #3; block length = 1.918'

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3X6.

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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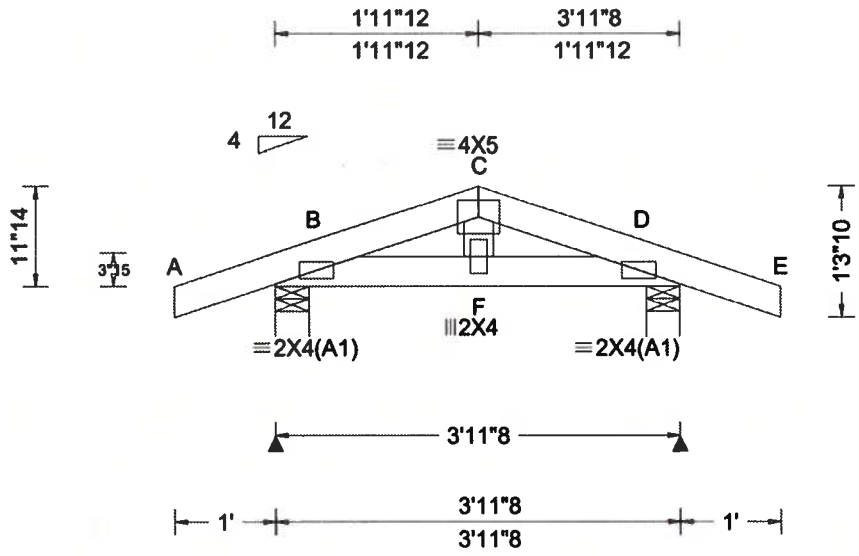
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 311811 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** K01	Cust: R 215 JRef: 1WRW2150061 T12 DrwNo: 014.20.0847.14193 / YK 01/14/2020



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	F	999	480
VERT(CL): 0.002	F	999	360
HORZ(LL): 0.000	F	-	-
HORZ(TL): 0.001	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.115
Max BC CSI: 0.045
Max Web CSI: 0.021

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	226	/-	/-	/149	/46	/30
D	226	/-	/-	/149	/46	/-

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

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0-11-14.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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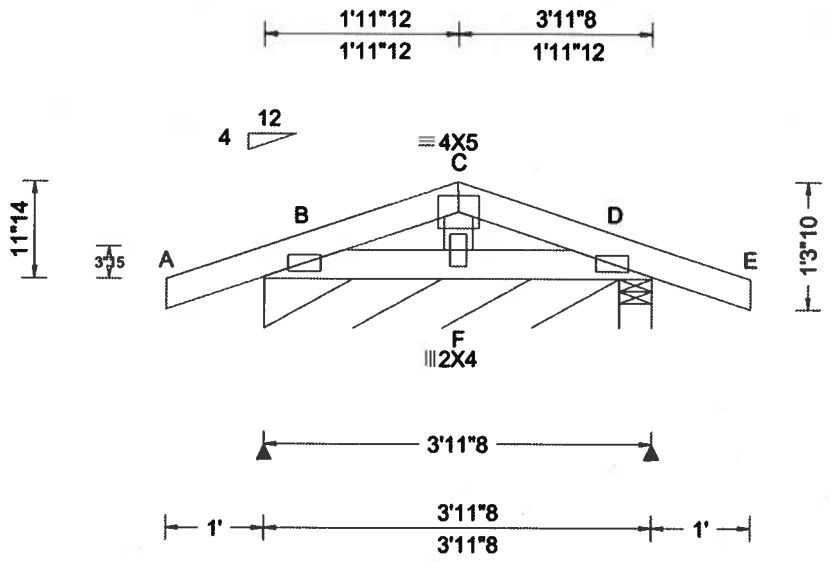
ALPINE
ANITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 311814 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-3860 /Woods Studio /SPARKS CONST. **Truss Label:** K02		Cust: R 215 JRef: 1WRW2150001 T13 DrwNo: 014.20.0847.18470 / YK 01/14/2020



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

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	F	999	480
VERT(CL): 0.001	F	999	360
HORZ(LL): 0.000	F	-	-
HORZ(TL): 0.000	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.113
Max BC CSI: 0.028
Max Web CSI: 0.022

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	78	/-	/-	/51	/14	/8
D	168	/-	/-	/120	/43	/-

Wind reactions based on MWFRS
B Brg Width = 43.5 Min Req = -
D Brg Width = 4.0 Min Req = 1.5
Bearings B & D are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0-11-14.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
01/14/2020

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Gable Stud Reinforcement Detail

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

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

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

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

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

Group B:

Hem-Fir
#1 & Btr
#1

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

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

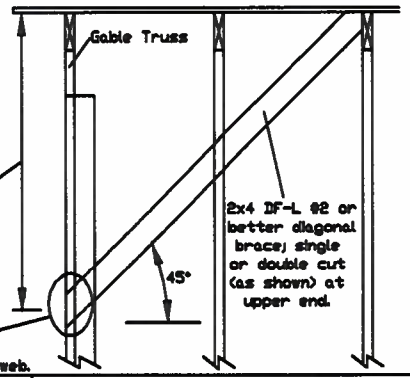
Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

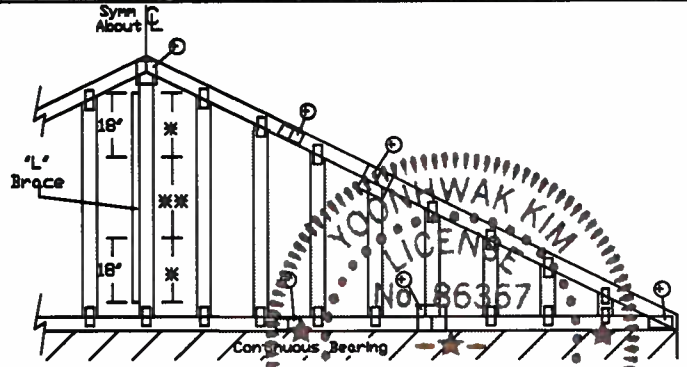
Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

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

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 45° at each end. Max web total length is 14'.





Refer to chart above for max gable vertical 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.

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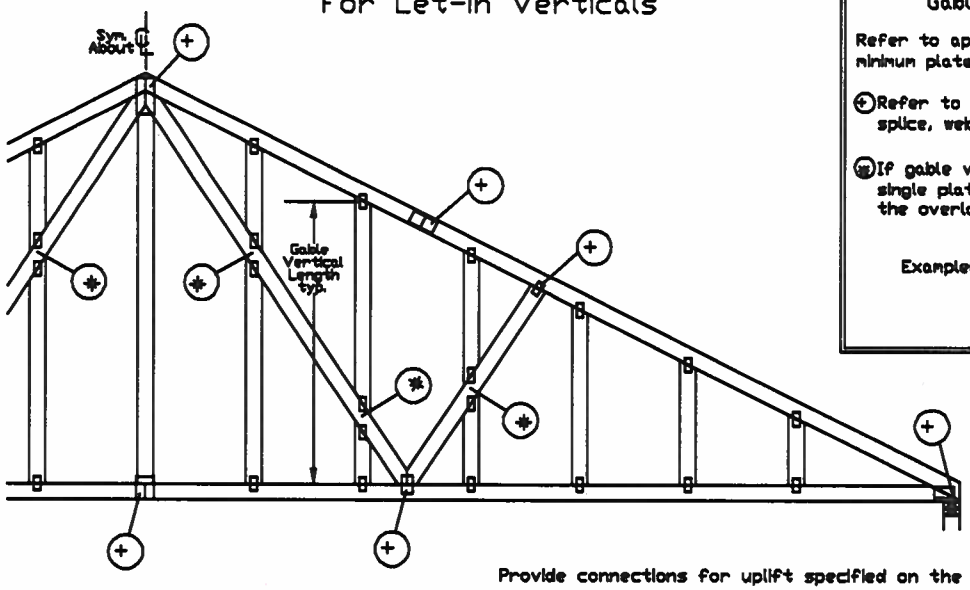
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

01/14/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

Gable Detail
For Let-In Verticals



Gable Truss Plate Sizes

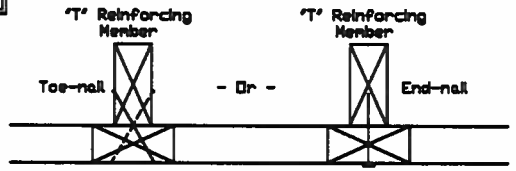
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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

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

Example: 2X4 / 2X4 — 2X8

'T' Reinforcement Attachment Detail

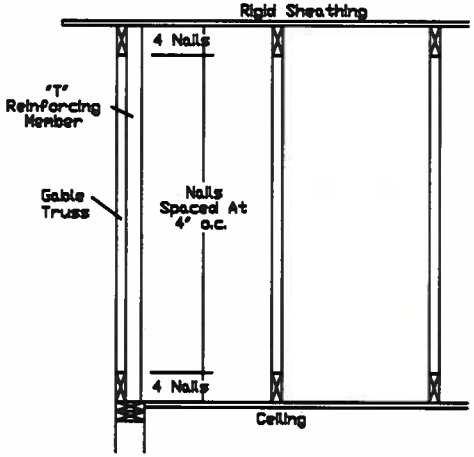


Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

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

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



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

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

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

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

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

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

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

Web Length Increase w/ 'T' Brace

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

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

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01/14/2020

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

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

	JOB #: 20-3860	Job Name: Woods Studio Customer: SPARKS CONST. Designer: Bob Glover ADDRESS: SALESMAN: SB : <Not Found>	JOB NO: 20-3860	PAGE NO: 1 OF 1