

## Columbia County New Building Permit Application

5007 50121

For Office Use Only Application # 44032 Date Received 11/14 By JU Permit # 38962Zoning Official LW/LH Date 11-18-19 Flood Zone X Land Use Ag Zoning A-3FEMA Map # \_\_\_\_\_ Elevation \_\_\_\_\_ MFE \_\_\_\_\_ River \_\_\_\_\_ Plans Examiner T.C. Date 11-27-19Comments 1' above road☐ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel # \_\_\_\_\_☐ Dev Permit # \_\_\_\_\_ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF FormSeptic Permit No. 19-0858 OR City Water ☐ Fax \_\_\_\_\_Applicant (Who will sign/pickup the permit) KEVIN BEDENBANG Phone 386-365-5264Address 232 NW Chaoley Lane Lake City, FL 32055Owners Name Gregory & Rhonda KAZMIERSKI Phone 386-288-6166911 Address 443<sup>SW</sup> ADOBE POINTE LN Lake City, FL 32024Contractors Name KEVIN BEDENBANG Phone 386-365-5264Address 232 NW Chaoley LN Lake City, FL 32055Contractor Email plumblevelconstruction@gmail.com \*\*\*Include to get updates on this job.

Fee Simple Owner Name &amp; Address \_\_\_\_\_

Bonding Co. Name &amp; Address \_\_\_\_\_

Architect/Engineer Name & Address NICHOLAS GEISLER, AR 1758 NW BROWN BLMortgage Lenders Name & Address Lake City FL 32055Circle the correct power company ☐ FL Power & Light ☒ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke EnergyProperty ID Number 17-45-16-03051-111 Estimated Construction Cost 70,000Subdivision Name South Pointe Lot 11 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_Driving Directions from a Major Road Turn Left onto CR247, Right on TAMARACK, Left on Legion, Right onto ADOBE, House to the cul-de-sacConstruction of Accessory Dwelling Commercial OR ☒ ResidentialProposed Use/Occupancy RESIDENTIAL Number of Existing Dwellings on Property 1

Is the Building Fire Sprinkled? \_\_\_\_\_ If Yes, blueprints included \_\_\_\_\_ Or Explain \_\_\_\_\_

Circle Proposed ☐ Culvert Permit or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☒ Have an Existing DriveActual Distance of Structure from Property Lines - Front 164 Side 511.18 Side 366.85 Rear 32Number of Stories 1 Heated Floor Area 800 Total Floor Area 885 Acreage 5.03

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

Site Set back 12.2.19\$413.52

**Columbia County Building Permit Application**

**CODE: Florida Building Code 2017 and the 2014 National Electrical Code.**

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

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

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

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

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

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

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

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

RHONDA KARMIERSKI  
Print Owners Name

[Signature]  
Owners Signature

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

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

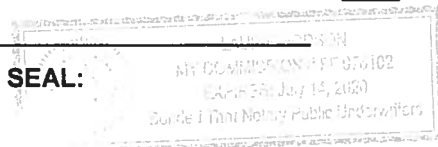
**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

[Signature]  
Contractor's Signature

Contractor's License Number CGC1516042  
Columbia County  
Competency Card Number 377

Affirmed under penalty of perjury to by the Contractor and subscribed before me this BM day of Nov 2019.

Personally known [Signature] or Produced Identification [Signature]



State of Florida Notary Signature (For the Contractor)

# SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44032 JOB NAME KAZMIERSKI

**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.

<b>ELECTRICAL</b> <input checked="" type="checkbox"/>	Print Name <u>Ryan Felkner</u> Signature <u>Ryan Felkner</u> Company Name: <u>Felkner Electric</u> CC# <u>1057</u> License #: <u>EC13003153</u> Phone #: <u>352-318-8777</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>MECHANICAL/</b> <b>A/C</b> <input checked="" type="checkbox"/>	Print Name <u>Tim Shatto</u> Signature <u>Tim Shatto</u> Company Name: <u>Shatto Heating &amp; Air, Inc.</u> CC# <u>770</u> License #: <u>CAC057875</u> Phone #: <u>386-496-8227</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>PLUMBING/</b> <b>GAS</b> <input checked="" type="checkbox"/>	Print Name <u>Mark Garske</u> Signature <u>Mark Garske</u> Company Name: <u>Express Plumbing</u> CC# <u>623</u> License #: <u>CFC1428040</u> Phone #: <u>867-0269</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>ROOFING</b> <input checked="" type="checkbox"/>	Print Name <u>KEVIN BEDENBONG H</u> Signature <u>[Signature]</u> Company Name: <u>PLUMB COVER CONSTRUCTION</u> CC# <u>1056</u> License #: <u>CCC1329482</u> Phone #: <u>365-5264</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ CC# _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>FIRE SYSTEM/</b> <b>SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ CC# _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ CC# _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
<b>STATE</b> <b>SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____ Company Name: _____ CC# _____ License #: _____ Phone #: _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE



**Columbia County Property Appraiser**

Jeff Hampton

**2020 Working Values**

updated: 10/30/2019

Parcel: &lt;&lt; 17-4S-16-03051-111 &gt;&gt;

Aerial Viewer Pictometry Google Maps

**Owner & Property Info**

Result: 1 of 4

Owner	KAZMIERSKI GREGORY A & RHONDA D KAZMIERSKI 441 SW ADOBE POINTE LN LAKE CITY, FL 32024		
Site	441 ADOBE POINTE LN, LAKE CITY		
Description*	LOT 11 SOUTH POINTE S/D. 921-1490, WD 1326-2321,		
Area	5.03 AC	S/T/R	17-4S-16E
Use Code**	SINGLE FAM (000100)	Tax District	3

\*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.

\*\*The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

**Property & Assessment Values**

2019 Certified Values		2020 Working Values	
Mkt Land (1)	\$37,000	Mkt Land (1)	\$37,000
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (1)	\$163,549	Building (1)	\$164,317
XFOB (4)	\$16,230	XFOB (4)	\$16,230
Just	\$216,779	Just	\$217,547
Class	\$0	Class	\$0
Appraised	\$216,779	Appraised	\$217,547
SOH Cap [?]	\$11,524	SOH Cap [?]	\$6,134
Assessed	\$205,255	Assessed	\$211,413
Exempt	HX H3 \$50,000	Exempt	HX H3 \$50,000
Total Taxable	county:\$155,255 city:\$155,255 other:\$155,255 school:\$180,255	Total Taxable	county:\$161,413 city:\$161,413 other:\$161,413 school:\$186,413

**▼ Sales History**

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
7/22/2016	\$100	1326/2321	WD	I	U	11
2/26/2001	\$155,000	921/1490	WD	I	Q	

**▼ Building Characteristics**

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	SINGLE FAM (000100)	2001	2381	3009	\$164,317

\*Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

**▼ Extra Features & Out Buildings (Codes)**

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2001	\$4,458.00	2972.000	0 x 0 x 0	(000.00)
0296	SHED METAL	2006	\$2,016.00	288.000	12 x 24 x 0	(000.00)
0251	LEAN TO W/	2006	\$252.00	84.000	7 x 21 x 0	(000.00)

## Legend

### Roads

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

### Parcels

### SRWMD Wetlands



### 2018Aerials



### 2018 Flood Zones

0.2 PCT ANNUAL CHANCE

A

AE

AH

### LidarElevations



# Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Nov 18 2019 10:21:52 GMT-0500 (Eastern Standard Time)



## Parcel Information

Parcel No: 17-4S-16-03051-111

Owner: KAZMIERSKI GREGORY A &

Subdivision: SOUTH POINTE

Lot: 10

Acres: 5.048565

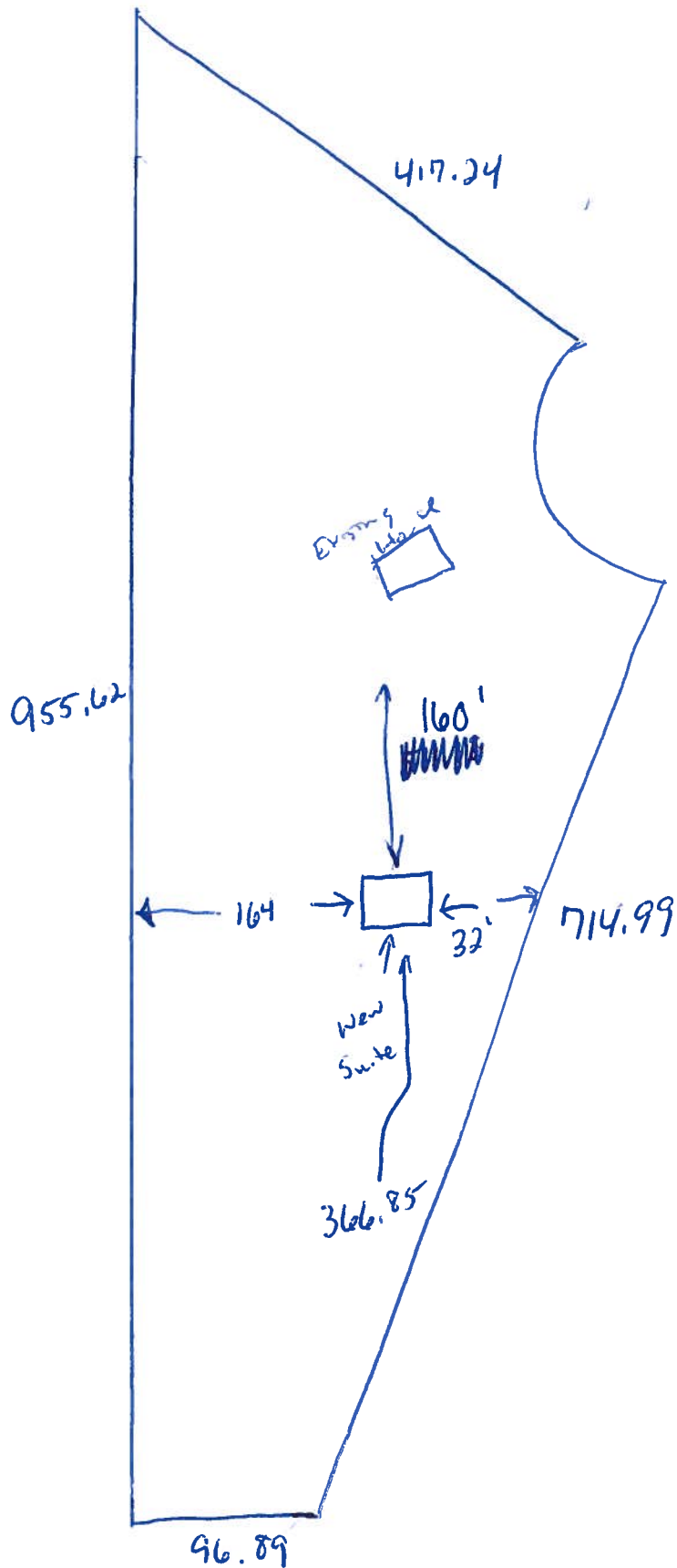
Deed Acres: 5.03 Ac

District: District 3 Bucky Nash

Future Land Uses: Agriculture - 3

Flood Zones:

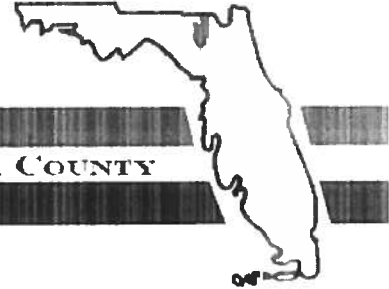
Official Zoning Atlas: A-3



SITE PLAN  
KAZMIERSKI

44032

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

**BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY****Address Assignment and Maintenance Document**

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

Date/Time Issued: **11/21/2019 9:20:56 PM**  
Address: **443 SW ADOBE POINTE Ln**  
City: **LAKE CITY**  
State: **FL**  
Zip Code **32024**

Parcel ID **03051-111**

REMARKS: Address for proposed structure on parcel. 2nd address for this parcel.

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

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

Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY  
911 ADDRESSING / GIS DEPARTMENT**

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



4.2.33 - *Accessory dwelling units.* Accessory dwelling units shall comply with the following standards:

1. *Districts allowed.* Accessory dwelling units shall only be permissible in the following Zone Districts: ESA-1, ESA-2, ESA-3, A-1, A-2, A-3, RR, RSF-1, RSF-2, RSF/MH-1, RSF/MH-2, PRD (on lots one-half acre or greater), and PRRD.
2. *Clearly incidental.* Accessory dwelling units shall only be permitted as accessory to, and in connection with, a principal dwelling unit.
3. *Location of accessory dwelling unit.* Placement and location of an accessory dwelling unit shall be in accordance with section 4.2.4 of these LDRs.
4. *Size of accessory dwelling unit.* An accessory dwelling unit shall contain a minimum of 350 square feet. In no event shall an accessory dwelling unit exceed 75 percent of the habitable floor area of the principal dwelling unit or 800 square feet, whichever is less.
5. *Minimum standards for living.* Accessory dwelling units shall meet the minimum housing standards as established in [article 9](#) of these LDRs.
6. *Limit.* There shall be no more than one accessory dwelling unit on any lot of record.
7. *Resale.* Accessory dwelling units shall not be sold separately from the principal dwelling unit and lot of record on which they are located.
8. *Electrical connection.* Accessory dwelling units shall not be separately metered from the principal dwelling unit. Electricity to the accessory dwelling unit shall be provided via the electric meter for the principal dwelling unit.
9. *Comply with all other applicable standards of the LDRs.* Accessory dwelling units shall comply with all applicable standards in the zone district in which the accessory dwelling unit will be located.
10. *Conflict.* In the case of conflict between the standards in this section and any other requirements of these LDRs, the standards of this section shall control.

( [Ord. No. 2019-07, § 1, 6-20-19](#) )



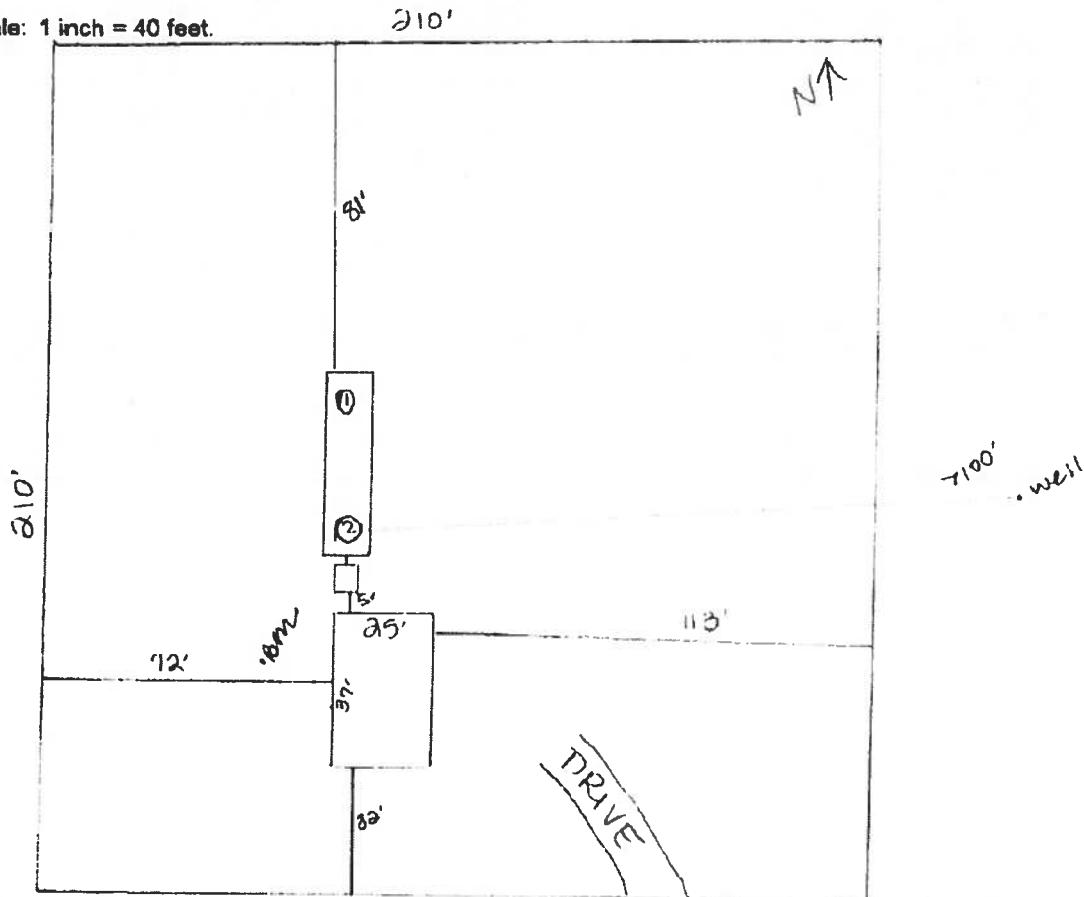
STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 19-0858

G. Kazmierski

PART II - SITEPLAN

Scale: 1 inch = 40 feet.



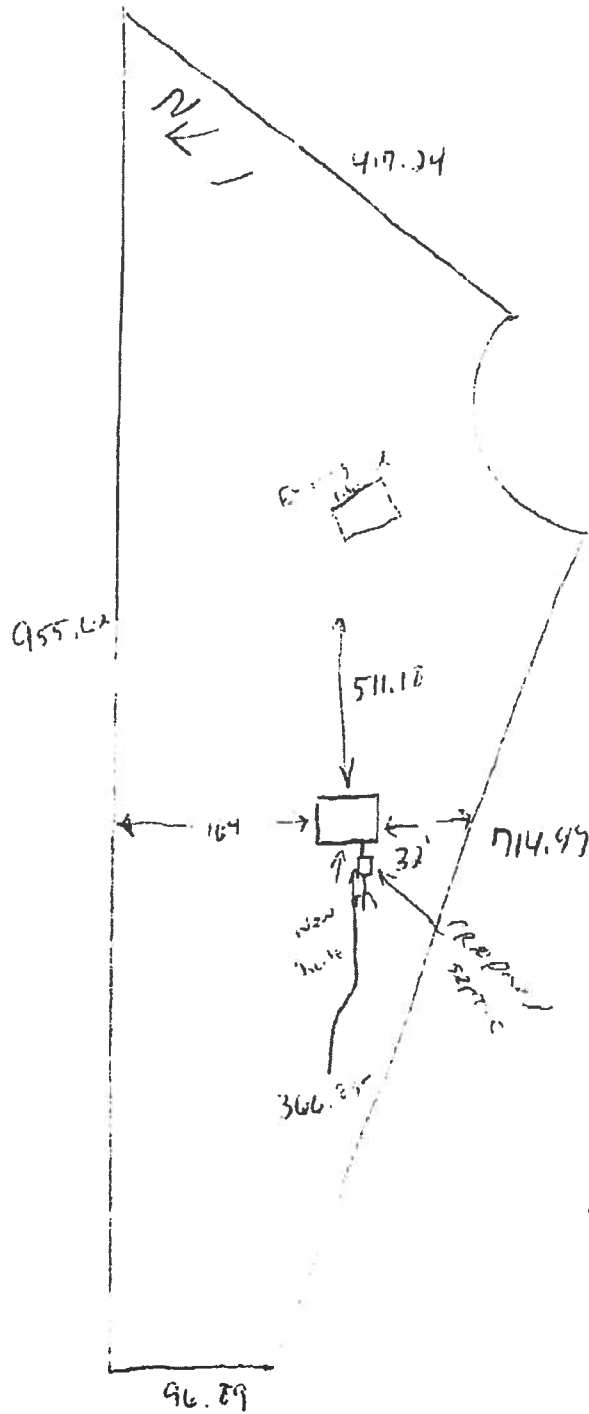
Notes:

See Attached for full property. SC of 5.03

Site Plan submitted by: William A. Bishop II MASTER CONTRACTOR  
Plan Approved 10 Not Approved \_\_\_\_\_ Date 11/19/19  
By [Signature] Celestina County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

19-8858

SITE PLAN  
KAZMIERSKIRhonda KAZMIERSKI  
441 SW Adobe ~~Trail~~  
Lake CityWilliam D. Bishop II  
11/20/19



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

PERMIT NO. 19-0858  
DATE PAID: 11/22/19  
FEE PAID: 310.00  
RECEIPT #: 1454452

## APPLICATION FOR:

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

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

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (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: 11 BLOCK: NA SUB: South PointePLATTED: 4/13/98PROPERTY ID #: 17-4S-16-03051-111 ZONING: R4S I/M OR EQUIVALENT: ☐ Y ☒ NPROPERTY SIZE: 5.03 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐  $\leq 2000$  GPD ☐  $> 2000$  GPDIS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y ☒ N DISTANCE TO SEWER: NA FTPROPERTY ADDRESS: 441 Adobe Pointe Lane Lake City FL

DIRECTIONS TO PROPERTY: 247 Right on Tamarack Ln Left on Legion Dr Right on Adobe  
Pointe Ln to lot at cul de sac

## BUILDING INFORMATION

☒ RESIDENTIAL    ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	1	800	
2				
3				

☐ Floor/Equipment Drains    ☐ Other (Specify) \_\_\_\_\_

SIGNATURE: William D. Bishop IIDATE: 11/20/2019

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



## COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

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

### ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

Items to Include-  
Each Box shall be  
Circled as  
Applicable

### GENERAL REQUIREMENTS:

**APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Select From Drop down

1	Two (2) complete sets of plans containing the following:	<input checked="" type="checkbox"/>			
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input checked="" type="checkbox"/>			
3	Condition space (Sq. Ft.)	800	Total (Sq. Ft.) under roof	885	Yes No NA

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

### **Site Plan** information including:

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

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

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

### Elevations Drawing including:

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



### **Floor Plan Including:**

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

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

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

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

### **FBCR 506: CONCRETE SLAB ON GRADE**

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

### **FBCR 318: PROTECTION AGAINST TERMITES**

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

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

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

**Floor Framing System: First and/or second story**

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

**FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION**

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

Select from Drop down

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

**FBCR :ROOF SYSTEMS:**

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

**FBCR 802:Conventional Roof Framing Layout**

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

**FBCR 803 ROOF SHEATHING**

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

## ROOF ASSEMBLIES FRC Chapter 9

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

## FBCR Chapter 11 Energy Efficiency Code for Residential Building

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

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

*Select from Drop Down*

74	Show the insulation R value for the following areas of the structure	Yes		
75	Attic space	Yes		
76	Exterior wall cavity	Yes		
77	Crawl space	NA		

## HVAC information

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

## Plumbing Fixture layout shown

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

## Private Potable Water

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

## Electrical layout shown including

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

**Notice Of Commencement:**

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

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

93	<b>Building Permit Application</b> A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a <b>\$15.00</b> application fee. The completed application with attached documents and application fee can be mailed.	Yes		
94	<b>Parcel Number</b> The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. <a href="http://www.columbiacountyfla.com">www.columbiacountyfla.com</a>	Yes		
95	<b>Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058	Yes		
96	<b>City of Lake City</b> A City Water and/or Sewer letter. Call 386-752-2031	NA		
97	<b>Toilet facilities shall be provided for all construction sites</b>	Yes		
98	<b>Town of Fort White</b> (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NA		
99	<b>Flood Information:</b> 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 ( <a href="http://Municode.com">Municode.com</a> )	NA		
100	<b>CERTIFIED FINISHED FLOOR ELEVATIONS</b> will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	NA		
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is <b>\$50.00</b>	NA		
102	<b>Driveway Connection:</b> If the property does not have an existing access to a public road, then an application for a culvert permit ( <b>\$25.00</b> ) 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 ( <b>\$50.00</b> ) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	-		
103	<b>911 Address:</b> An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	Yes		

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



**Disclosure Statement for Owner Builders:**

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

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

**Section 105 of the Florida Building Code defines the:**

**Time limitation of application.**

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**Single-family residential dwelling.**

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

**Permit intent.**

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

**If work has commenced.**

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

**New Permit.**

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

**Work Shall Be:**

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

**The Fee:**

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

**Notification:**

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

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING	MASONITE	INSWING & Outswing Fiberglass	FL 8228-R7
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG	MAGNOLIA	Vinyl 400 Single Hung	FL 16475-R3
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING	ALURA of Plycem	Cement Board Lap Siding	FL 17482-R2
B. SOFFITS	KAYCAN	Vinyl / PVC & Aluminum Soffit	FL 16503
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES	CERTANTEED	Asphalt Shingles	FL-5444
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCTURAL COMPONENTS</b>			
A. WOOD CONNECTORS	SIMPSON	LSTA / MSTA / SPH 4	FL 13872-R2
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR ENVELOPE PRODUCTS</b>			

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

11-13-2019  
Date

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX\* = 99

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

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level	
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts	R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts	R <u>6.0</u>
4. Number of bedrooms	4. <u>1</u>	c) AHU location	Main
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system:	Capacity <u>18.0</u>
6. Conditioned floor area (sq. ft.)	6. <u>800</u>	a) Split system	SEER <u>        </u>
7. Windows, type and area		b) Single package	SEER <u>        </u>
a) U-factor:(weighted average)	7a. <u>0.330</u>	c) Ground/water source	SEER/COP <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.220</u>	d) Room unit/PTAC	EER <u>        </u>
c) Area	7c. <u>112.0</u>	e) Other	<u>14.0</u>
8. Skylights		14. Heating system:	Capacity <u>18.0</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump	HSPF <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump	HSPF <u>        </u>
9. Floor type, insulation level:		c) Electric resistance	COP <u>        </u>
a) Slab-on-grade (R-value)	9a. <u>0.0</u>	d) Gas furnace, natural gas	AFUE <u>        </u>
b) Wood, raised (R-value)	9b. <u>        </u>	e) Gas furnace, LPG	AFUE <u>        </u>
c) Concrete, raised (R-value)	9c. <u>        </u>	f) Other	<u>8.50</u>
10. Wall type and insulation:		15. Water heating system	
A. Exterior:		a) Electric resistance	EF <u>0.92</u>
1. Wood frame (Insulation R-value)	10A1. <u>13.0</u>	b) Gas fired, natural gas	EF <u>        </u>
2. Masonry (Insulation R-value)	10A2. <u>        </u>	c) Gas fired, LPG	EF <u>        </u>
B. Adjacent:		d) Solar system with tank	EF <u>        </u>
1. Wood frame (Insulation R-value)	10B1. <u>        </u>	e) Dedicated heat pump with tank	EF <u>        </u>
2. Masonry (Insulation R-value)	10B2. <u>        </u>	f) Heat recovery unit	HeatRec% <u>        </u>
11. Ceiling type and insulation level		g) Other	
a) Under attic	11a. <u>30.0</u>	16. HVAC credits claimed (Performance Method)	
b) Single assembly	11b. <u>        </u>	a) Ceiling fans	<u>Yes</u>
c) Knee walls/skylight walls	11c. <u>        </u>	b) Cross ventilation	<u>No</u>
d) Radiant barrier installed	11d. <u>No</u>	c) Whole house fan	<u>No</u>
		d) Multizone cooling credit	<u>        </u>
		e) Multizone heating credit	<u>        </u>
		f) Programmable thermostat	<u>Yes</u>

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

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

Builder Signature: [Signature] Date: 11-13-19

Address of New Home: 441 SW Adobe Pointe Ln City/FL Zip: Lake City, FL 32024

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

<b>Project Name:</b> Kazmierski Residence <b>Street:</b> 441 SW Adobe Pointe Ln <b>City, State, Zip:</b> Lake City, FL, 32024 <b>Owner:</b> <b>Design Location:</b> FL, Gainesville	<b>Builder Name:</b> <b>Permit Office:</b> <b>Permit Number:</b> <b>Jurisdiction:</b> <b>County:</b> Columbia (Florida Climate Zone 2)
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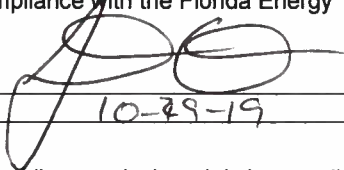
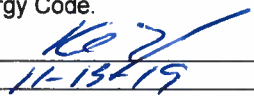
  

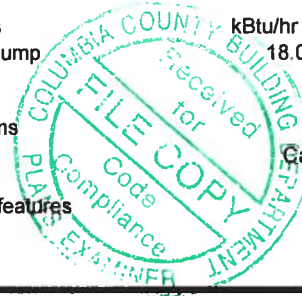
1. New construction or existing      New (From Plans) 2. Single family or multiple family      Single-family 3. Number of units, if multiple family      1 4. Number of Bedrooms      1 5. Is this a worst case?      No 6. Conditioned floor area above grade (ft²)      800 Conditioned floor area below grade (ft²)      0 7. Windows (112.0 sqft.)      Description      Area a. U-Factor:      Dbl, U=0.33      112.00 ft² SHGC:      SHGC=0.22 b. U-Factor:      N/A      ft² SHGC: c. U-Factor:      N/A      ft² SHGC: d. U-Factor:      N/A      ft² SHGC: Area Weighted Average Overhang Depth:      2.839 ft. Area Weighted Average SHGC:      0.220 8. Floor Types (800.0 sqft.)      Insulation      Area a. Slab-On-Grade Edge Insulation      R=0.0      800.00 ft² b. N/A      R=      ft² c. N/A      R=      ft²	9. Wall Types (1026.0 sqft.)      Insulation      Area a. Frame - Wood, Exterior      R=13.0      1026.00 ft² b. N/A      R=      ft² c. N/A      R=      ft² d. N/A      R=      ft² 10. Ceiling Types (800.0 sqft.)      Insulation      Area a. Under Attic (Vented)      R=30.0      800.00 ft² b. N/A      R=      ft² c. N/A      R=      ft² 11. Ducts      R      ft² a. Sup: Attic, Ret: Attic, AH: Main      6      160 12. Cooling systems      kBtu/hr      Efficiency a. Central Unit      18.0      SEER:14.00 13. Heating systems      kBtu/hr      Efficiency a. Electric Heat Pump      18.0      HSPF:8.50 14. Hot water systems      Cap: 40 gallons a. Electric      EF: 0.920 b. Conservation features None 15. Credits      CF, Pstat
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Glass/Floor Area: 0.140	Total Proposed Modified Loads: 28.56	<b>PASS</b>
	Total Baseline Loads: 28.75	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. <b>PREPARED BY:</b>  <b>DATE:</b> 10-29-19 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. <b>OWNER/AGENT:</b>  <b>DATE:</b> 11-13-19	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. <b>BUILDING OFFICIAL:</b> _____ <b>DATE:</b> _____
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).



## INPUT SUMMARY CHECKLIST REPORT

## PROJECT

Title:	Kazmierski Residence	Bedrooms:	1	Address Type:	Street Address
Building Type:	User	Conditioned Area:	1073	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	441 SW Adobe Pointe L
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

## CLIMATE

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

## BLOCKS

Number	Name	Area	Volume
1	Block1	800	7200

## SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	800	7200	Yes	1	1	1	Yes	Yes	Yes

## FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet	
	1	Slab-On-Grade Edge Insulatio	Main	114 ft	0	800 ft²	----	0.15	0.5	0.35

## ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	927 ft²	234 ft²	Medium	N	0.85	No	0.9	No	0	30.3

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	800 ft²	N	N

## CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	800 ft²	0.11	Wood

## INPUT SUMMARY CHECKLIST REPORT

## WALLS

✓ #	Omt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	N	Exterior	Frame - Wood	Main	13	25	9	225.0 ft²	0.625	0.23	0.75	0
2	E	Exterior	Frame - Wood	Main	13	32	9	288.0 ft²	0.625	0.23	0.75	0
3	S	Exterior	Frame - Wood	Main	13	25	9	225.0 ft²	0.625	0.23	0.75	0
4	W	Exterior	Frame - Wood	Main	13	32	9	288.0 ft²	0.625	0.23	0.75	0

## DOORS

✓ #	Omt	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
1	S	Insulated	Main	None	.46	3	6 8	20 ft²
2	W	Insulated	Main	None	.46	2 8	6 8	17.8 ft²

## WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Omt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
2	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
3	E	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
4	E	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	9.0 ft²	1 ft 6 in	1 ft 4 in	None	None
5	E	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
6	S	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	6 ft 6 in	1 ft 4 in	None	None
7	W	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft²	1 ft 6 in	1 ft 4 in	None	None
8	W	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None

## INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	600	32.94	61.95	.1128	5

## HEATING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump/	None	HSPF:8.5	18 kBtu/hr	1	sys#1

## COOLING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
1	Central Unit/	None	SEER: 14	18 kBtu/hr	540 cfm	0.85	1	sys#1

## INPUT SUMMARY CHECKLIST REPORT

## HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Main	0.92	40 gal	40 gal	120 deg	None

## SOLAR HOT WATER SYSTEM

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

## DUCTS

✓	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat Cool
✓	1	Attic	6	160 ft²	Attic	40 ft²	Default Leakage	Main	(Default)	(Default)			1 1

## TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

Hours

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

## MASS

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

# Residential System Sizing Calculation

## Summary

441 SW Adobe Pointe Ln  
Lake City, FL 32024

Project Title:  
Kazmierski Residence

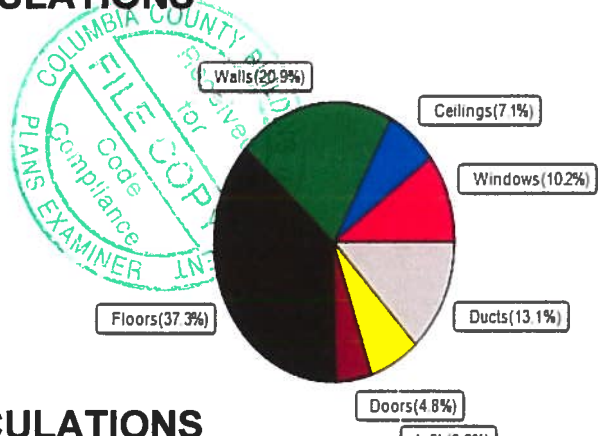
10/29/2019

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
<b>Total heating load calculation</b>	<b>14435 Btuh</b>	<b>Total cooling load calculation</b>	<b>10841 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	124.7 18000	Sensible (SHR = 0.85)	159.4 15300
Heat Pump + Auxiliary(0.0kW)	124.7 18000	Latent	217.8 2700
		<b>Total (Electric Heat Pump)</b>	<b>166.0 18000</b>

## WINTER CALCULATIONS

Winter Heating Load (for 800 sqft)

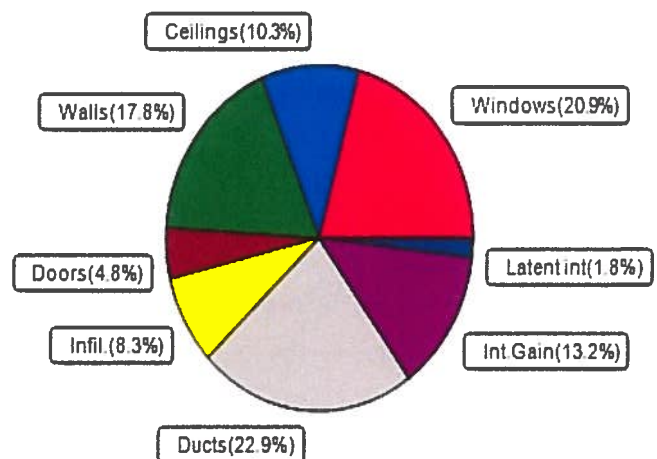
Load component		Load	
Window total	112 sqft	1478	Btuh
Wall total	876 sqft	3022	Btuh
Door total	38 sqft	695	Btuh
Ceiling total	800 sqft	1019	Btuh
Floor total	800 sqft	5381	Btuh
Infiltration	22 cfm	948	Btuh
Duct loss		1891	Btuh
<b>Subtotal</b>		<b>14435</b>	<b>Btuh</b>
Ventilation	0 cfm	0	Btuh
<b>TOTAL HEAT LOSS</b>		<b>14435</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 800 sqft)

Load component		Load	
Window total	112 sqft	2265	Btuh
Wall total	876 sqft	1926	Btuh
Door total	38 sqft	521	Btuh
Ceiling total	800 sqft	1121	Btuh
Floor total		0	Btuh
Infiltration	16 cfm	338	Btuh
Internal gain		1430	Btuh
Duct gain		2000	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
<b>Total sensible gain</b>		<b>9601</b>	<b>Btuh</b>
Latent gain(ducts)		479	Btuh
Latent gain(infiltration)		560	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		200	Btuh
<b>Total latent gain</b>		<b>1240</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>10841</b>	<b>Btuh</b>



8th Edition

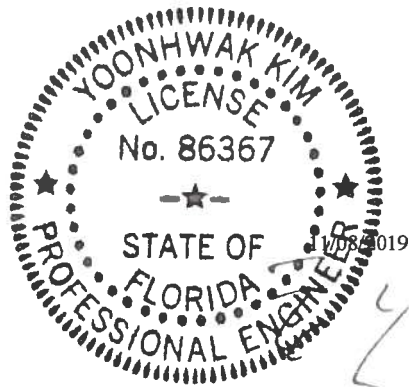
EnergyGauge® System Sizing

PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

*[Signature]*  
10-29-19





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



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

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

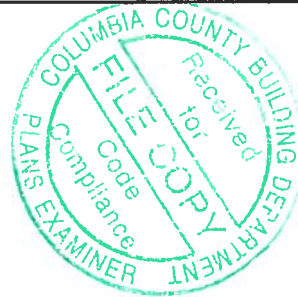
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3697
Job Description: /KAZMIERSKI RES. /PLUMB LEVEL CONST	
Address: FL	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 18.02.01B	
		JRef #: 1WQ12150001	
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		Floor Load (psf): None	

This package contains general notes pages, 7 truss drawing(s) and 2 detail(s).

Item	Seal #	Truss
1	312.19.0936.01293	A01
3	312.19.0936.07373	B01
5	312.19.0936.22700	J02
7	312.19.0936.56340	J04
9	GBLLETIN0118	

Item	Seal #	Truss
2	312.19.0936.02327	A02
4	312.19.0936.18863	J01
6	312.19.0936.26040	J03
8	A14015ENC10101 4	



## **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](http://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 19<sup>th</sup> Street, NW, Suite 800, Washington, DC 20036; [www.afandpa.org](http://www.afandpa.org).

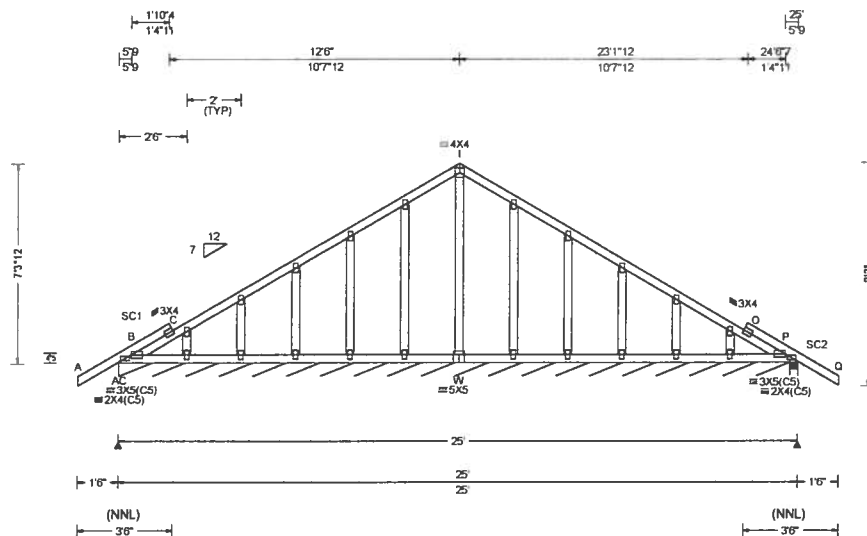
2. ICC: International Code Council; [www.iccsafe.org](http://www.iccsafe.org).

3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; [www.alpineitw.com](http://www.alpineitw.com).

4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; [www.tpinst.org](http://www.tpinst.org).

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcindustry.co](http://www.sbcindustry.co)

SEQN: 566224 FROM:	GABL Qty: 2	Ply: 1	Job Number: 19-3697 /KAZMIERSKI RES. /PLUMB LEVEL CONST Truss Label: A01	Cust: R 215 JRef: 1WQ12150001 T7 DrwNo: 312.19.0936 01293 / YK 11/08/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  <b>Code / Misc Criteria</b> Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 I 999 240 VERT(CL): 0.001 J 999 240 HORZ(LL): 0.003 M - - HORZ(TL): 0.003 M - - Creep Factor: 2.0 Max TC CSI: 0.183 Max BC CSI: 0.037 Max Web CSI: 0.136  VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity AC*82 /- /- /45 /14 /9 P 267 /- /- /185 /40 /- Wind reactions based on MWFRS AC Brg Width = 296 Min Req = - P Brg Width = 3.5 Min Req = 1.5 Bearings AC & P are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Purlins

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

#### Wind

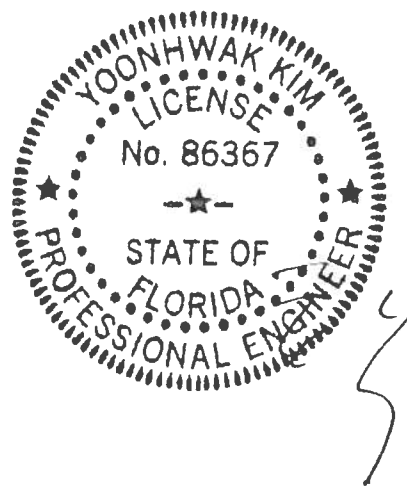
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

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

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

The overall height of this truss excluding overhang is 7-3-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

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

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

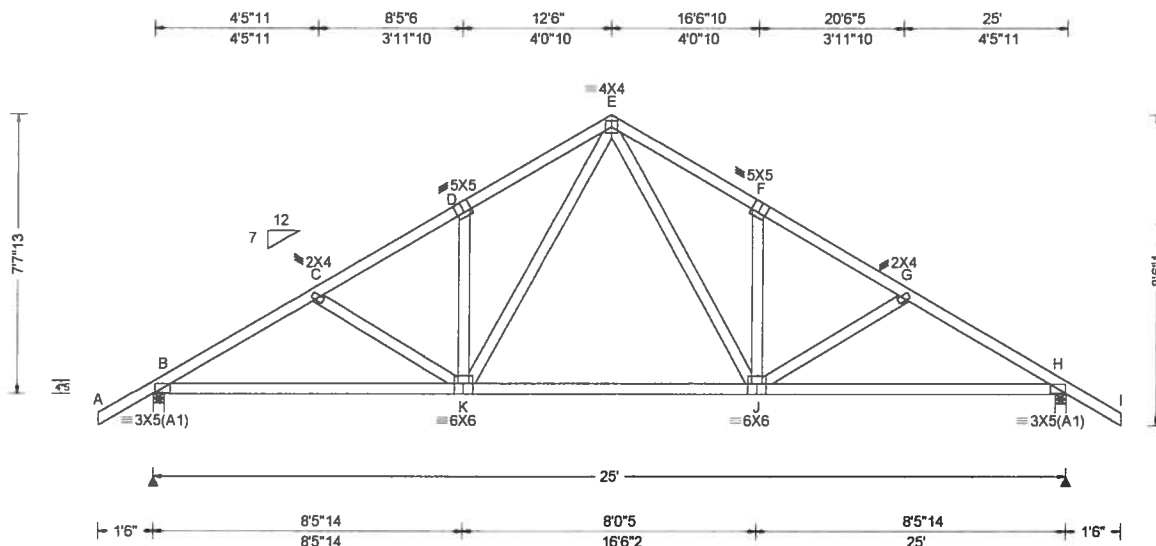
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 566232 FROM:	COMN Ply: 1 Qty: 15	Job Number: 19-3697 /KAZMIERSKI RES. /PLUMB LEVEL CONST Truss Label: A02	Cust: R 215 JRef: 1WQ12150001 T1 DrwNo: 312.19.0936.02327 / YK 11/08/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.067 F 999 240 VERT(CL): 0.129 F 999 240 HORZ(LL): 0.028 J - - HORZ(TL): 0.053 J - - Creep Factor: 2.0 Max TC CSI: 0.297 Max BC CSI: 0.772 Max Web CSI: 0.311  VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1213 /- /- /684 /196 /231 H 1213 /- /- /684 /196 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 460 -1782 E - F 519 -1555 C - D 419 -1555 F - G 418 -1555 D - E 519 -1554 G - H 460 -1783

#### Lumber

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

#### Loading

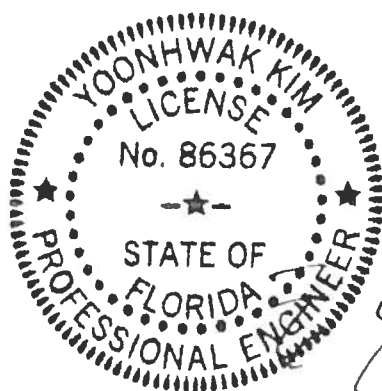
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 7'-7-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

B - K 1474 -286 J - H 1475 -300  
K - J 948 -66

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

K - E 706 -234 E - J 707 -234

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

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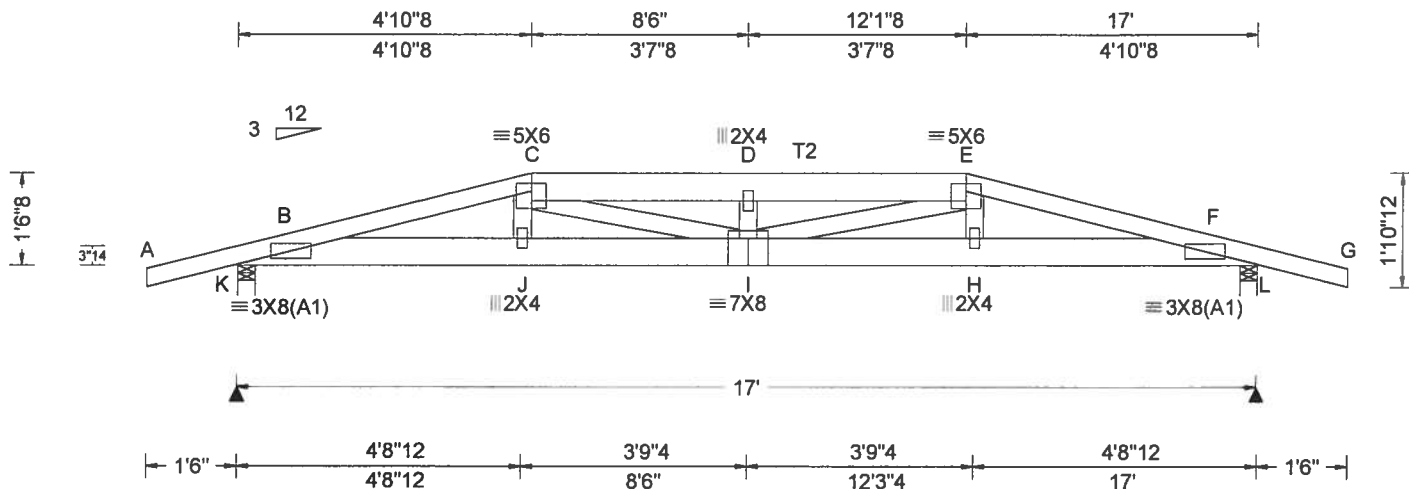
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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6750 Forum Drive  
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																								
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+ / R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U</th><th>/ RL</th></tr><tr><td>K</td><td>1345</td><td>/- /-</td><td>/- /255</td><td>/-</td><td>/-</td></tr><tr><td>L</td><td>1345</td><td>/- /-</td><td>/- /255</td><td>/-</td><td>/-</td></tr></table>	Gravity			Non-Gravity			Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	K	1345	/- /-	/- /255	/-	/-	L	1345	/- /-	/- /255	/-	/-
Gravity			Non-Gravity																									
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL																							
K	1345	/- /-	/- /255	/-	/-																							
L	1345	/- /-	/- /255	/-	/-																							
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.196 D 999 240	Wind reactions based on MWFRS K Brg Width = 3.5 Min Req = 1.5 L Brg Width = 3.5 Min Req = 1.5 Bearings K & L are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> <table><tr><th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr><tr><td>B - C</td><td>701 -4219</td><td>D - E</td><td>860 -5112</td></tr></table>	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	701 -4219	D - E	860 -5112																
Chords	Tens.Comp.	Chords	Tens. Comp.																									
B - C	701 -4219	D - E	860 -5112																									
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.387 D 518 240																									
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.028 H - -																									
	EXP: C Kzt: NA		HORZ(TL): 0.055 H - -																									
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0																									
NCBCLL: 10.00	TCDL: 5.0 psf	<b>Code / Misc Criteria</b>	Max TC CSI: 0.520																									
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.370																									
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.421																									
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case																										
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)																										
	GCpi: 0.18	Plate Type(s):																										
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08																									

#### Lumber

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

#### Special Loads

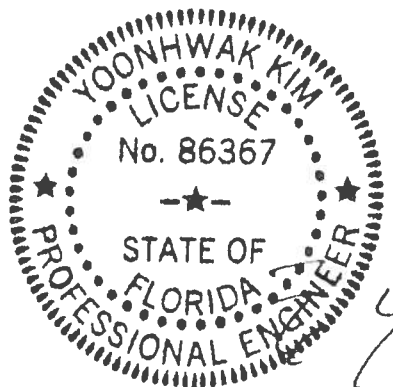
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 61 plf at -1.50 to 61 plf at 4.88  
TC: From 30 plf at 4.88 to 30 plf at 12.12  
TC: From 61 plf at 12.12 to 61 plf at 18.50  
BC: From 4 plf at -1.50 to 4 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 4.91  
BC: From 10 plf at 4.91 to 10 plf at 12.09  
BC: From 20 plf at 12.09 to 20 plf at 17.00  
BC: From 4 plf at 17.00 to 4 plf at 18.50  
TC: 206 lb Conc. Load at 4.91, 12.09  
TC: 117 lb Conc. Load at 6.94, 8.50, 10.06  
BC: 201 lb Conc. Load at 4.91, 12.09  
BC: 84 lb Conc. Load at 6.94, 8.50, 10.06

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 1'-6"-8."



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

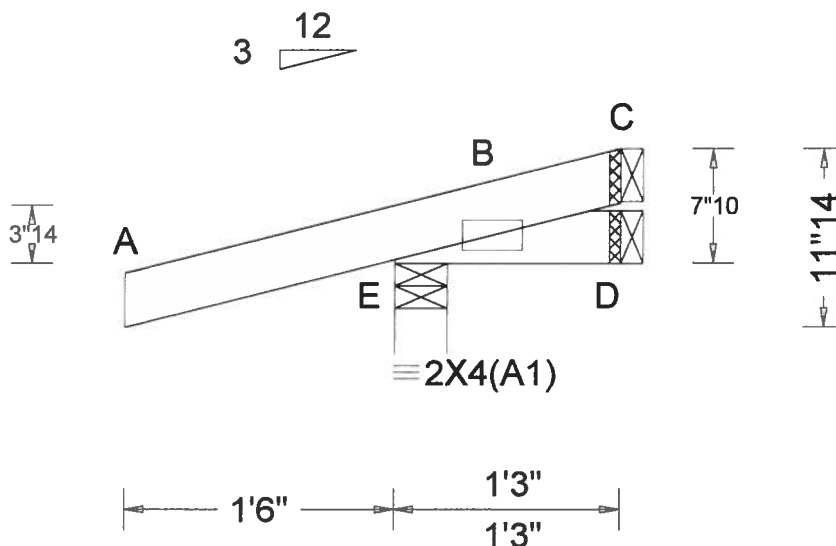
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Suite 305  
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  <b>Code / Misc Criteria</b> Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.255 Max BC CSI: 0.034 Max Web CSI: 0.000  VIEW Ver: 18.02.01B.0321.08	<b>Gravity</b> Loc R+ / R- / Rh / Rw / U / RL E 233 /- /- /139 /111 /26 D 5 /-15 /- /24 /15 /- C - /-20 /- /25 /18 /- <b>Non-Gravity</b> Wind reactions based on MWFRS E Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Wind

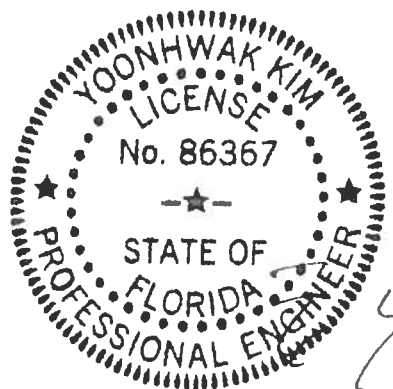
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0-7-10.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

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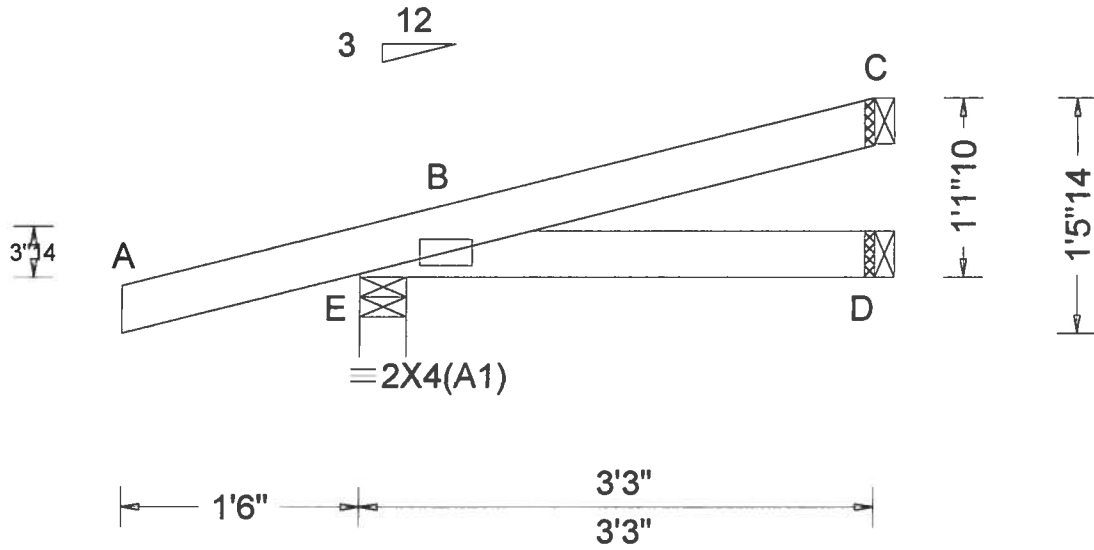
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SEQN: 566214 FROM:	JACK Ply: 1 Qty: 4	Job Number: 19-3697 /KAZMIERSKI RES. /PLUMB LEVEL CONST Truss Label: J02	Cust R 215 JRef 1WQ12150001 T4 DrwNo: 312.19.0936.22700 / YK 11/08/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  <b>Code / Misc Criteria</b> Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.185 Max BC CSI: 0.080 Max Web CSI: 0.000  VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 262 /- /- /149 /88 /37 D 51 /- /- /38 /1 /- C 67 /- /- /23 /20 /- Wind reactions based on MWFRS E Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Wind

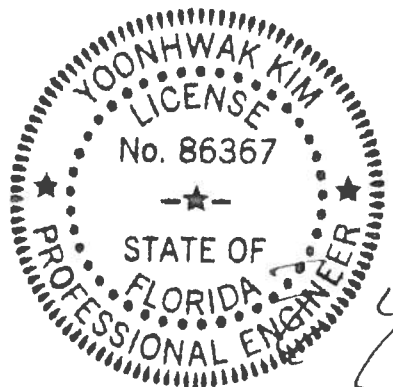
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1'-1-10.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

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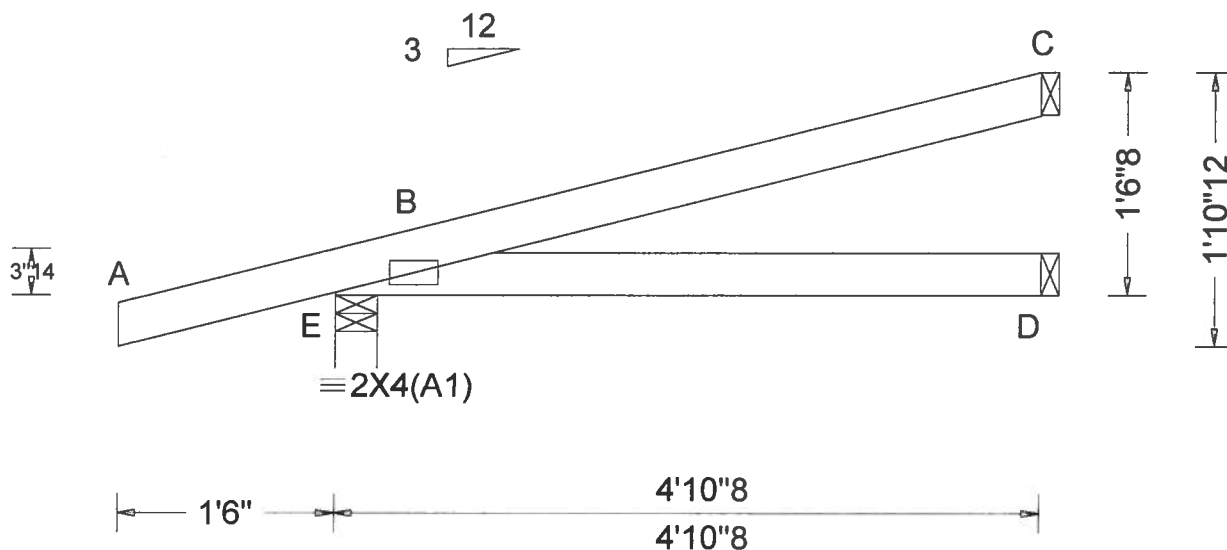
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Orlando FL, 32821

SEQN: 566216 FROM:	EJAC Qty: 5	Ply: 1 Qty: 5	Job Number: 19-3697 /KAZMIERSKI RES. /PLUMB LEVEL CONST Truss Label: J03	Cust R 215 JRef 1WQ12150001 T6 DrwNo: 312.19.0936.26040 / YK 11/08/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCCL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.260 Max BC CSI: 0.216 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 318 /- /- /177 /89 /47 D 84 /- /- /56 /- /- C 117 /- /- /37 /36 /- Wind reactions based on MWFRS E Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Wind

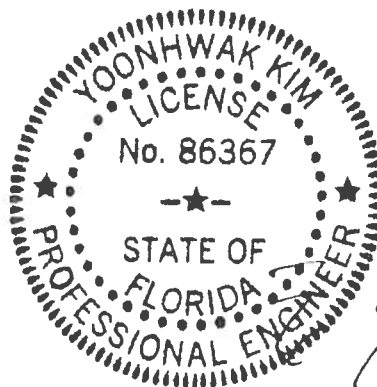
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1'-6"-8".

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

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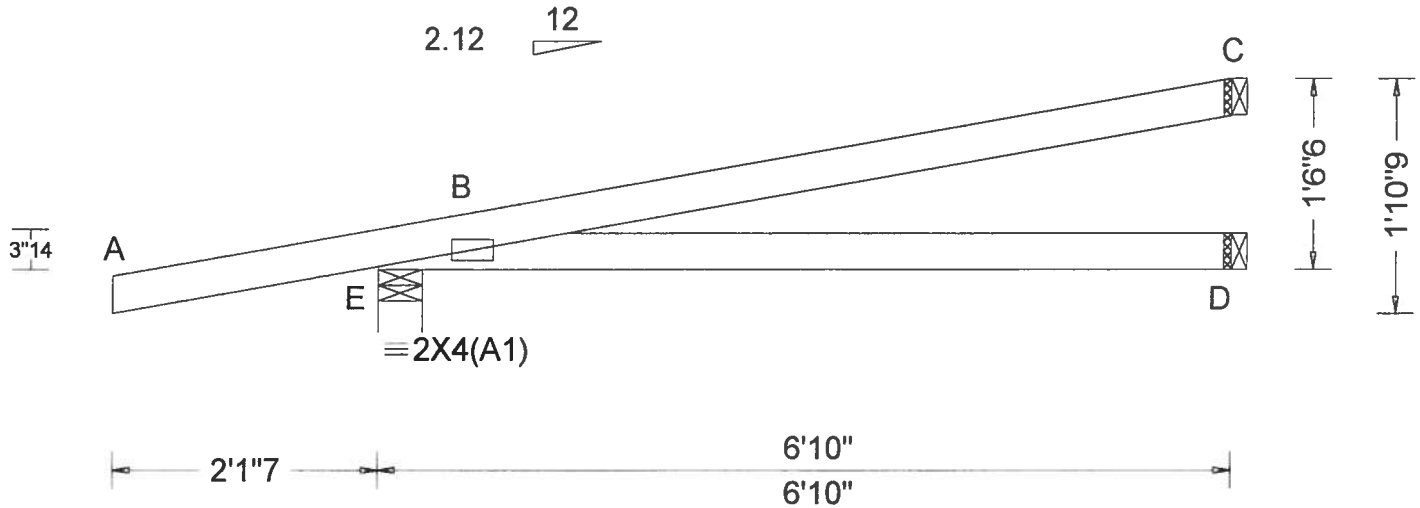
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SEQN* 566218 FROM:	HIP_	Ply: 1 Qty: 2	Job Number: 19-3697 /KAZMIERSKI RES. /PLUMB LEVEL CONST Truss Label: J04	Cust: R 215 JRef: 1WQ12150001 T8 DrwNo: 312.19.0936.56340 / YK 11/08/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl U/#	Gravity Non-Gravity						
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E 272	-	-	-	-	/81	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 D - -	D 117	-	-	-	-	/5	-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.020 D - -	C 89	-	-	-	-	/22	-
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.538	E	Brg Width = 4.2	Min Req = 1.5				
Load Duration: 1.25	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.460	D	Brg Width = 1.5	Min Req = -				
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	C	Brg Width = 1.5	Min Req = -				
	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case		Bearing E is a rigid surface.						
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

#### Lumber

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

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 0 plf at -2.12 to 60 plf at 0.00  
TC: From 2 plf at 0.00 to 2 plf at 6.83  
BC: From 0 plf at -2.12 to 4 plf at 0.00  
BC: From 2 plf at 0.00 to 2 plf at 6.83  
TC: -5 lb Conc. Load at 1.77  
TC: 134 lb Conc. Load at 4.60  
BC: 11 lb Conc. Load at 1.77  
BC: 102 lb Conc. Load at 4.60

#### Wind

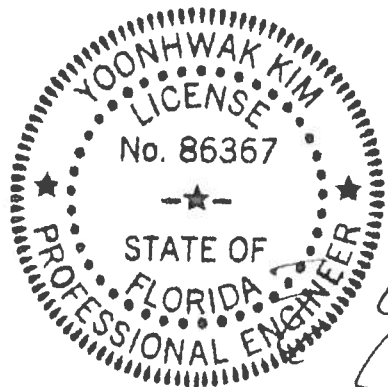
Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
11/08/2019

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Orlando, FL 32821



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

Dr	120	nph	Wind Speed, 15	Mean Height, Partly Enclosed, Exposure C, Kzt = 1.00
Dr	120	nph	Wind Speed, 15	Mean Height, Partly Enclosed, Exposure D, Kzt = 1.00
Dr	100	nph	Wind Speed, 15	Mean Height, Fully Enclosed, Exposure E, Kzt = 1.00

[illegible]

by 4 Draces shall be SDB (Stress-Rated Board),  
or by 4 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 SS plf over continuous bearing (35 psf TC Dead Load).

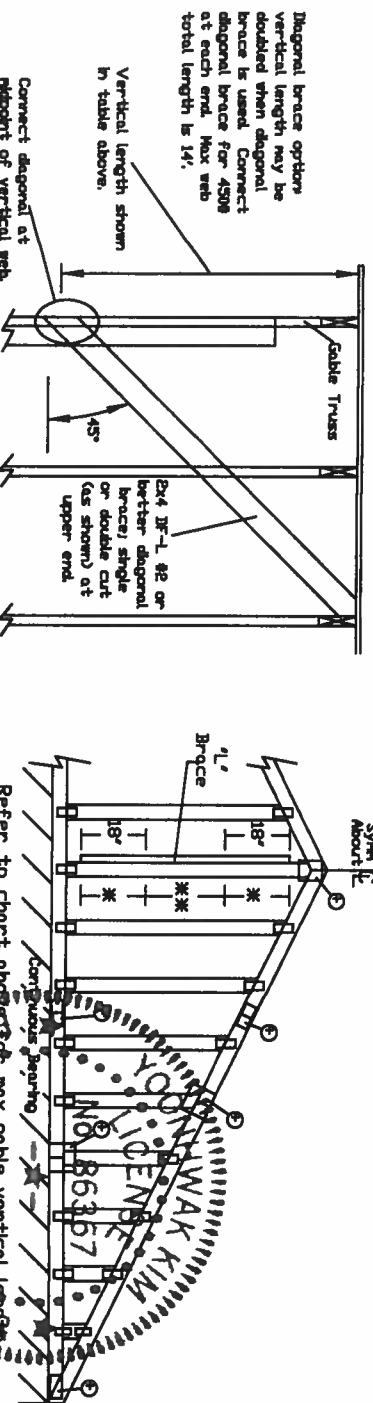
Attach "L" braces with 10d (0.125"x3.0" min) nails.

\* For (1)  $l_1$  brace space mals at 2' o.c.  
in 18" end zones and 4' o.c. between zones.  
\* For (2)  $l_1$  braces space mals at 3' o.c.  
in 18" end zones and 6' o.c. between zones.  
 $l_1$  bracing must be a minimum of 80% of web  
member length.

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

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

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



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

Vertical length shown  
in table above.

Correct diagonal at  
 midpoint of vertical web.

Refer to chart above of max. cable vertical load

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

These people's actions are in fact, driving, leading, steering, handling and leading. Refer to and follow the latest edition of **Exit Calling Component Safety Information**, by **TVI** and **SAVO** for **SAVO** Practices prior to performing these functions. Distributors shall provide temporary leading per **SAVO** unless noted otherwise, top chord shall have properly attached structural decking and bottom chord shall have a properly attached roof calling. Locations shown for permanent lateral restraint of walls and bracing installed per **SAVO** sections 20, 21, 27 or 30L, as applicable, apply paces to such faces of truss and position as shown above and on the **TVI** detail, unless noted otherwise.

STATE OF FLORIDA  
PROFESSIONAL ENGINEER

**LINE**  
AN ITW COMPANY

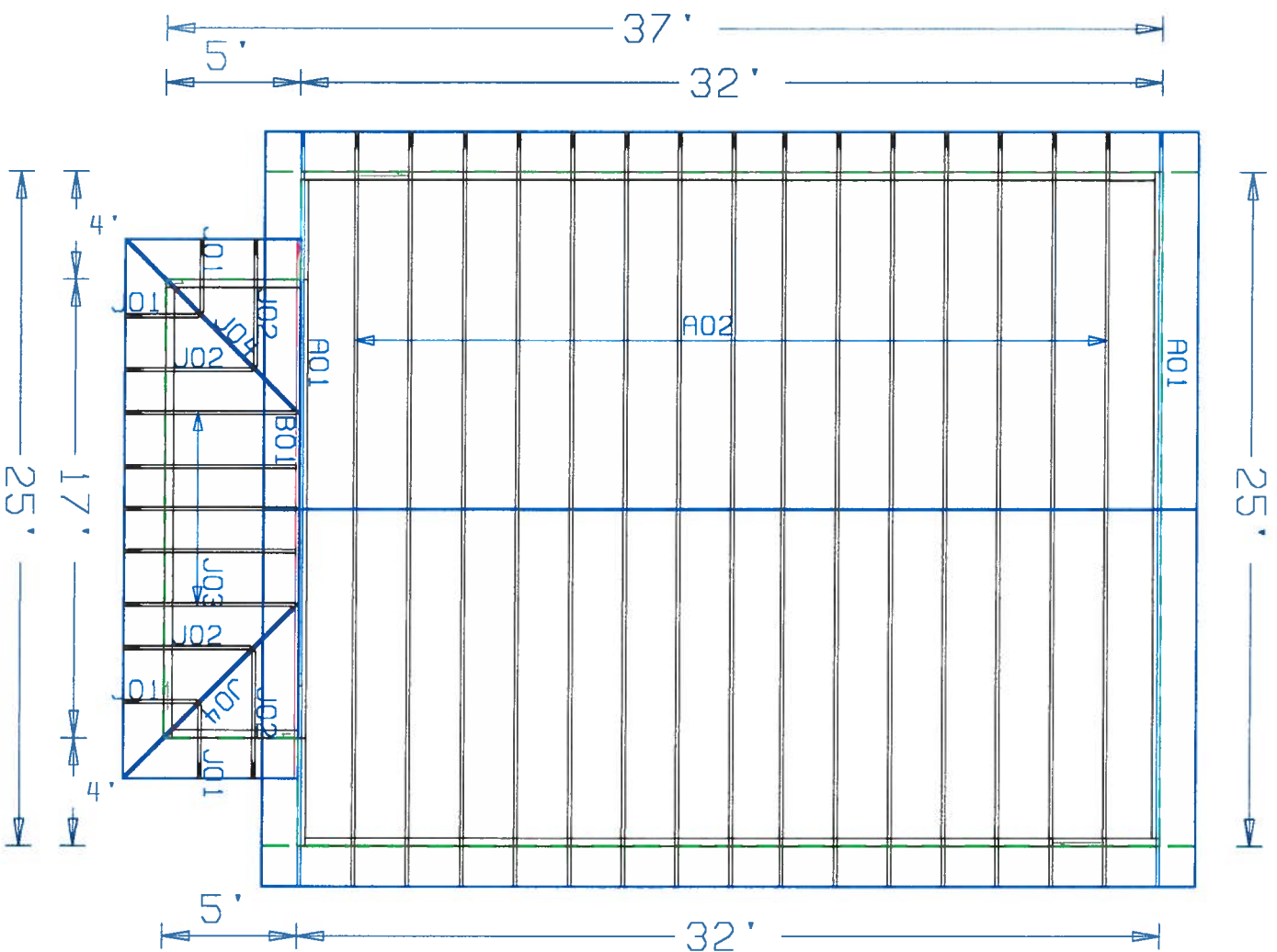
13723 Riverview Drive  
Suite 200  
Maryland Heights, MO 63043

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

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0'

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





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

ROOF PITCH: 3/12  
 7/12  
 OVERHANG: 18"  
 PLUMB CUT  
 CEILING: FLAT  
 THROUGHOUT  
 EXT. WALLS: 2 X 4  
 LOADING: 40 PSF  
 WIND LOAD: 130 MPH  
 EXPOSURE: "C"  
 DATE: 11/8/19

Job Name: KAZMIERSKI RES.  
 Customer: PLUMB LEVEL CONST  
 Designer: Lynn Bell  
 ADDRESS:  
 SALESMAN: HOUSE  
 : <Not Found>

JOB #: 19-3697