CK: 4172

Columbia County New Building Permit Application

For Office Use Only Application # 1909-12 Date Received 9/6/19 By MG Permit # 38648

Zoning Official J.C. / LH Date 9-19-19 Flood Zone X Land Use Ag Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' Above River N/A Plans Examiner J.C. Date 9-19-19

Comments Existing MH to be removed Floor 1' Above Rd. F. 30' sides 25' Rear 25' EXISTING

☑ 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 Form

Septic Permit No. 19-0678 OR City Water ☐ Fax

Applicant (Who will sign/pickup the permit) Isaiah Cully Phone 386-867-0086

Address 818 W Duval Lake City FL 32055

Owners Name Kelby and Kayla Helton Phone 405-397-4961

911 Address 909 Suo Marigold Pl Fort White, FL 32038

Contractors Name Isaiah Cully Phone 386-867-0086

Address 818 W Duval Lake City FL 32055

Contractor Email isaiahcully4@gmail.com ***Include to get updates on this job.

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Justin M. Parramore 2151 Northeast 2nd Street, Ocala, FL

Mortgage Lenders Name & Address

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

Property ID Number 18-6S-17-09696-107 Estimated Construction Cost 150,000

Subdivision Name Tustenuggee Plantations Lot 7 Block Unit 1 Phase

Driving Directions from a Major Road 441 South To Tustenuggee, Tustenuggee To Marigold, Project on Right

Construction of SF Residence Commercial OR X Residential

Proposed Use/Occupancy home Number of Existing Dwellings on Property

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

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

Actual Distance of Structure from Property Lines - Front 225 Side RH 400 Side LH 210 Rear 373

Number of Stories 2 Heated Floor Area 2,405 Total Floor Area 3,890 Acreage 10

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

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.

Kelby Shane Helton
Kayla Leigh Helton
Print Owners Name

Kayla Leigh Helton
Owners Signature

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

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

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

Contractor's Signature

Contractor's License Number CBC1259655
Columbia County Competency Card Number 1179 ✓

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6th **day of** August **20** 19.

Personally known ✓ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

LAURIE HODSON
MY COMMISSION # FF 976102
EXPIRES: July 14, 2020
Bonded Thru Notary Public Underwriters

Legend

SRWMD Wetlands

Parcels

SectionTownshipAndRange

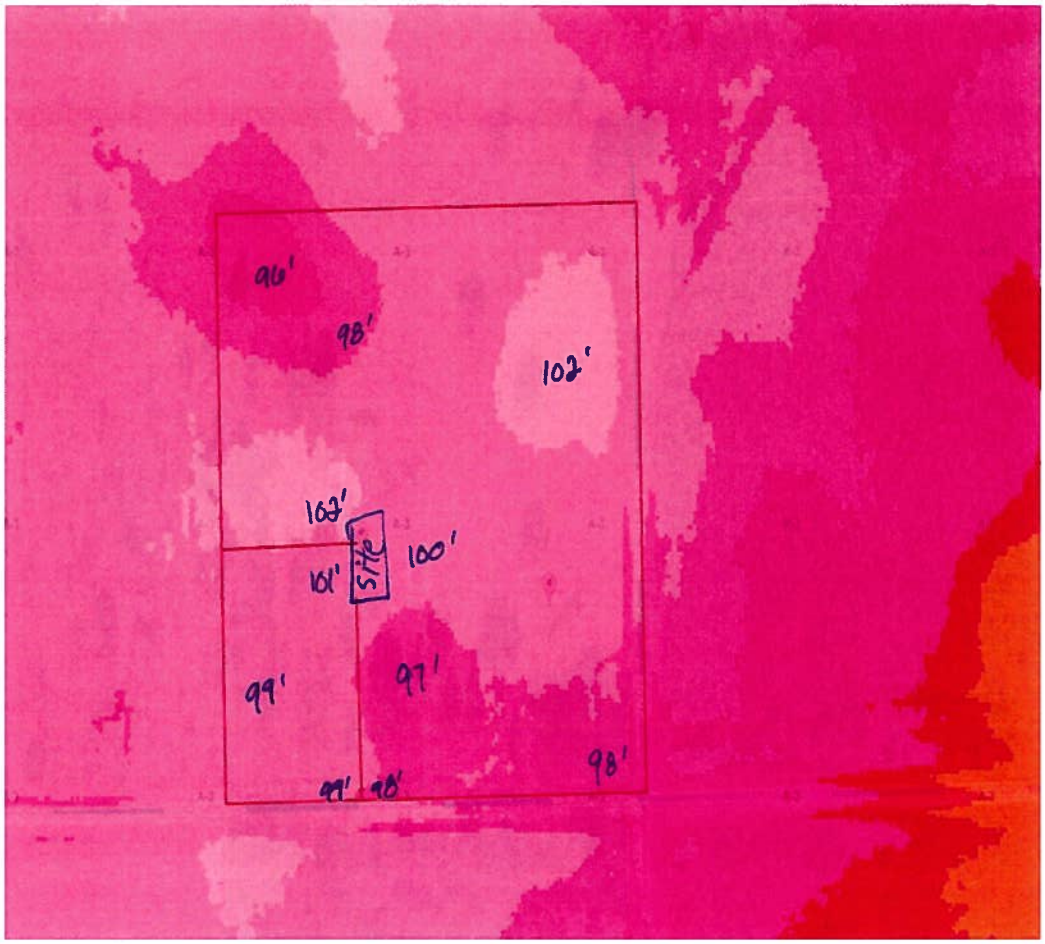
DevZones1
- others
- A-1
- A-2
- A-3
- CG
- CHI
- CI
- CN
- CSV
- ESA-2
- I
- ILW
- MUD-I
- PRD
- PRRD
- RMF-1
- RMF-2
- RO
- RR
- RSF-1
- RSF-2
- RSF-3
- RSF/MH-1
- RSF/MH-2
- RSF/MH-3

DEFAULT

LidarElevations

Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Sep 09 2019 08:54:33 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 18-6S-17-09696-107

Owner: HELTON KELBY & KAYLA

Subdivision: TUSTENUGGEE PLANTATION UNIT 1 UNR

Lot:

Acres: 10.0011272

Deed Acres: 10 Ac

District: District 2 Rocky Ford

Future Land Uses: Agriculture - 3

Flood Zones:

Official Zoning Atlas: A-3

Columbia County Property Appraiser

Jeff Hampton

2019 Preliminary Certified Values

updated: 8/14/2019

Parcel: << **18-6S-17-09696-107** >>

Owner & Property Info

Result: 1 of 4

Owner	**HELTON KELBY & KAYLA** 138 SW HEATHER COURT FORT WHITE, FL 32038		
Site	138 HEATHER CT, FORT WHITE		
Description*	AKA LOT 7 TUSTENUGGEE PLANTATION UNIT 1 UNREC: COMM NE COR, RUN W 3932.32 FT, S 662.15 FT FOR POB, CONT S 662.15 FT, W 657.94 FT, N 662.15 FT, E 657.94 FT TO POB ORB 956-051, 1094-167, 170 & QCD 1158-2313, WD 1311-1015		
Area	10 AC	S/T/R	18-6S-17
Use Code**	IMPROVED A (005000)	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.

Aerial Viewer | Pictometery | Google Maps

Property & Assessment Values

2018 Certified Values		2019 Preliminary Certified	
Mkt Land (2)	$2,000	Mkt Land (2)	$3,250
Ag Land (1)	$2,160	Ag Land (1)	$2,160
Building (1)	$31,261	Building (1)	$36,897
XFOB (3)	$13,320	XFOB (3)	$13,320
Just	$91,197	Just	$98,083
Class	$48,741	Class	$55,627
Appraised	$48,741	Appraised	$55,627
SOH Cap [?]	$0	SOH Cap [?]	$6,001
Assessed	$48,741	Assessed	$49,626
Exempt	HX H3 $25,000	Exempt	HX H3 $25,000
Total Taxable	county:$23,741 city:$23,741 other:$23,741 school:$23,741	Total Taxable	county:$24,626 city:$24,626 other:$24,626 school:$24,626

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
3/14/2016	$60,000	1311/1015	WD	I	Q	01
9/17/2008	$100	1158/2313	QC	V	U	01
5/15/2002	$57,000	956/0051	WD	V	Q	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
Sketch	1	SFR MANUF (000200)	2017	928	928	$36,897

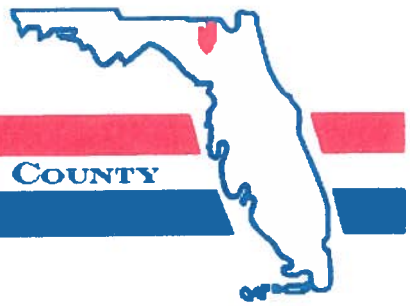
*Bldg Desc determinations are used by the Property Appraisers office solely for the purpose of determining a property's Just Value for ad valorem tax purposes and should not be used for any other purpose.

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	2003	$320.00	64.000	8 x 8 x 0	(000.00)
0169	FENCE/WOOD	2015	$1,000.00	1.000	0 x 0 x 0	(000.00)
0031	BARN,MT AE	2017	$12,000.00	1.000	0 x 0 x 0	(000.00)

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:	**9/5/2019 2:04:40 PM**
Address:	**909 SW MARIGOLD Pl**
City:	**FORT WHITE**
State:	**FL**
Zip Code	**32038**
Parcel ID	**09696-107**

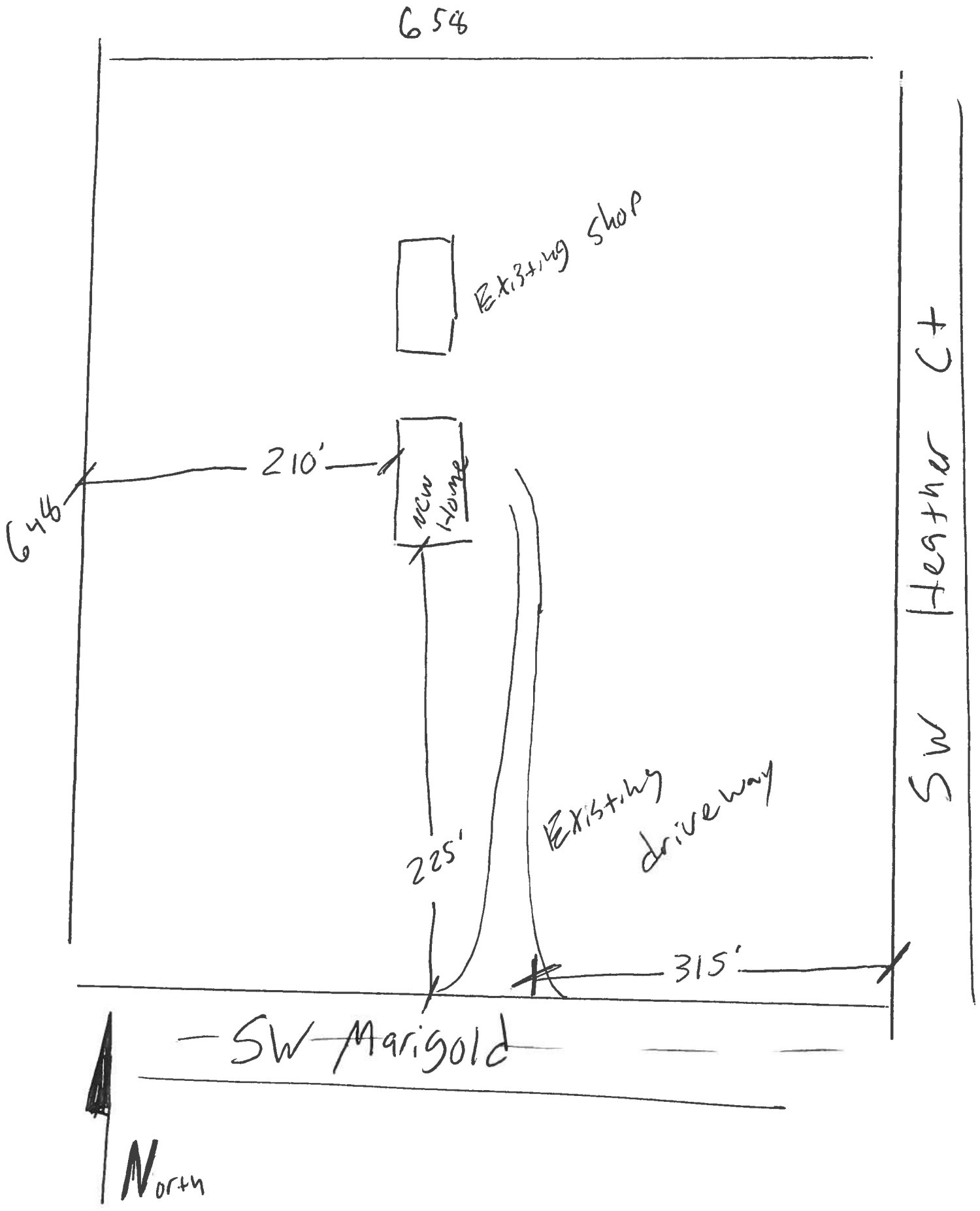
REMARKS: Address for proposed structure on parcel. 2nd address for this parcel.

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


654
Existing shop
210'
646
new home
225'
Existing driveway
315'
SW Heather Ct
SW Marigold
North

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME _____

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

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

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

			Need
ELECTRICAL ☐	Print Name Dennis Conklin	Signature Dennis Conklin	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: D & S Electric		
	License #: 13003800	Phone #: 386 397-5731	
MECHANICAL/ A/C ☐	Print Name Clint Wilson	Signature [signature]	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: Wilson Heat & Air		
	License #: CAC057866	Phone #: 386 496-9000	
PLUMBING/ GAS ☐	Print Name Cole Bass	Signature [signature]	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: Bass Plumbing		
	License #: CFC1427145	Phone #: 386 623-0309	
ROOFING ☐	Print Name Caleb Laughlin	Signature [signature]	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: Precision Exteriors		
	License #: CCC 1327714	Phone #: 386-867-1439	
SHEET METAL ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: _____		
	License #: _____	Phone #: _____	
FIRE SYSTEM/ SPRINKLER ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: _____		
	License#: _____	Phone #: _____	
SOLAR ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# _____	Company Name: _____		
	License #: _____	Phone #: _____	
STATE ☐	Print Name _____	Signature _____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SPECIALTY	Company Name: _____		
CC# _____	License #: _____	Phone #: _____	

Return to –
Permit No. _____
Tax DP ID No. 18-6S-17-09696-107

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF ~~COLUMBIA~~ Alachua

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

1. Legal Description of Property (Include Street Address, if available):
See attached Exhibit A

2. General Description of Improvements: **Single-family Residence Construction**

3.a. Owner Name: Kelby Shane Helton and Kayla Leigh Helton
Owner address: 138 SW Heather Ct Fort White FL 32038

3.b. Owner's interest in property: Fee Simple
3.c. Fee Simple Title Holder Name (If Other Than Owner): N/A

4. Contractor Name: IC Construction LLC
Address: P O Box 1174 lake City FL 32056

Inst: 201912020358 Date: 08/30/2019 Time: 2:10PM
Page 1 of 2 B: 1393 P: 1388, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk

5. Surety Name (If Any): N/A
Surety Address: N/A

6. Lender Name: **Farm Credit of Florida, ACA**
Lender Address: **309 North 2nd Street, Palatka, FL 32177**

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: N/A

8. In addition to himself, owner designates the following person(s) to receive a copy of Leinor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and address) _____.

9. Expiration Date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified): _____.

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

Under penalty of perjury, I declare that i have read the foregoing notice of commencement and that the facts stated therein are true to the best of my knowledge and belief.

Kelby Shane Helton 8-23-19
Name

Kayla Leigh Helton
Name

The foregoing instrument was acknowledged before me this 23rd day of August, 2019.

CHRISTINA L. STAINFIELD
MY COMMISSION # FF 949176
EXPIRES: February 27, 2020
Bonded Thru Notary Public Underwriters

Christina L. Stainfield
Notary Public - State of Florida
Printed Name: Christina L. Stainfield
My Commission Expires: 2/27/20

(A copy of any Bond must be attached at the time of recordation of this Notice of Commencement.)
FAILURE TO POST A CERTIFIED COPY OF THE RECORDED NOTICE OF COMMENCEMENT
ON THE JOB SITE MAY RESULT IN THE FAILURE OF YOUR INSPECTIONS.

Tustenuggee Plantations Unit 1
Parcel 7
A part of Section 18, Township 6 South, Range 17 East, Columbia County Florida; Being more particularly described as follows:
Commence at a railroad spike at the Northeast corner of said Section 18 and run thence S 89°49'17" W, along the North boundary thereof, 3932.32 feet thence S 00°27'15" E, 662.15 feet to the Point of Beginning; thence continue S

00°27'15" E, 662.15 feet; thence S 89°49'17" W, 657.94 feet, thence N 00°27'15" W, 662.15 feet, thence N 89°49'17" E, 657.94 feet to the P.O.B.
Together with 60 foot ingress/egress easement:
A strip of land 60 feet wide lying 30 feet each side of the following described centerline: Commence at a railroad spike at the Northeast corner of Section 18, Township 6 South, Range 17 East, Columbia County, Florida and run thence S 00°51'43" E, along the East line of said Section and along the centerline of Tustenuggee Avenue, 1316.18 feet, thence S 89°08'17" W, 40.00 feet to the West right-of-way line of Tustenuggee Avenue and the Point of Beginning of said centerline, thence continue S 89°08'17" W, 612.00 feet, thence S 89°49'17" W, 657.94 feet to reference point "A" thence continue S 89°49'17" W, 1315.88 feet to reference point "B", thence continue S 89°49'17" W, 1315.88 feet to reference point "C" thence continue S 89°49'17" W, 657.94 feet to the Point of Termination.
ALSO: Begin at reference point "A" and run N 00°27'15" W, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the Point of Termination.
ALSO: Begin at reference point "A" and run S 00°27'15" E, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the Point of Termination.
ALSO: Begin at reference point "B" and run N 00°27'15" W, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the Point of Termination.
ALSO: Begin at reference point "B" and run S 00°27'15" E, 662.15 feet to a center of a cul-de-sac having a 50 foot radius and the Point of Termination.
ALSO: Begin at reference point "C" and run N 00°27'15" W, 662.15 feet to the center of a cul-de-sac having a 50 foot radius and the Point of Termination. ALSO: Begin at reference point "C" and run S 00°27'15" E, 662.15 feet to the center of a cul-de-sac having a radius of 50 feet and the Point of Termination.

and

Lot 25 of TUSTENUGGEE PLANTATIONS, II, being more particularly described as follows:
TUSTENUGGEE PLANTATIONS UNIT II-PARCEL 25
A part of Section 18, Township 6 South, Range 17 East, Columbia County, Florida; being more particularly described as follows:
Commence at a railroad spike at the Northeast corner of said Section 18 and run thence South 89° 49min.17sec. West, along the North boundary thereof, 4590.25 feet to the point of beginning; thence continue South 89° 49min.17sec. West, along said North boundary 657.94 feet to a 2" iron pipe at the Northwest corner of said Section 18, thence South 00° 27min. 15sec. East, along the West line of said Section 662.15 feet, thence North 89° 49min. 17sec. East 657.94 feet; thence North 00° 27min. 15sec. West, 662.15 feet to the P.O.B.
SUBJECT TO: a cul-de-sac easement in the Southwest corner.
TOGETHER WITH:
Tustenuggee Unit II- 60 foot ingress/egress easement
A strip of land in Section 13, Township 6 South, Range 16 East, and Section 18, Township 6 South, Range 17 East, Columbia County, Florida, being 60 feet wide and lying 30 feet each side of the following described centerline:
Commence at an iron pipe at the Northwest corner of said Section 18 and run thence North 89° 49min. 17sec. East, along the North boundary thereof, 657.94 feet; thence South 00°, 27min. 15sec. East, 1324.30 feet to the point of beginning of said centerline; thence South 89° 49min. 17 sec. West, 657.94 to Reference Point "D" on the East line of said Section 13, thence South 88° 16min. 05sec. West, 1319.32 feet to Reference Point "E", thence South 00° 25min. 13sec. East, 662.16 feet to Reference Point "F", thence continue South 00° 36min. 13sec. East, 662.15 feet to the point of Termination. Also: Begin at Reference Point "F" and run South 88° 16min. 05sec. West, 659.86 feet to the center of a cul-de-sac having a 50 foot radius and the Point of Termination. Also: Begin, at Reference Point "E" run North 00° 25min. 13sec. West, 662.15 feet, thence South 88° 16min. 05sec. West, 659.47 feet to the center of a cul-de-sac having a 50 foot radius and the Point of Termination. Also: Begin at Reference Point "D" and run North 00°27min. 15sec. West, along said East line, 662.15 feet to the center of a cul-de-sac having a 50 foot radius and the Point of Termination. Also: Begin at Reference Point "D" and run South 00° 27min. 15sec. East, along said East line 662.15 feet to the center of a cul-de-sac having a 50 foot radius and the Point of Termination.

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

CR # 10-7311
PERMIT NO. 19-0678
DATE PAID: 9/6/19
FEE PAID: 360.00
RECEIPT #: AP1732146

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

APPLICANT: KELBY & KAYLA HELTON

AGENT: IC CONSTRUCTION TELEPHONE: (386) 867-0086

MAILING ADDRESS: 818 WEST DUVAL STREET LAKE CITY FL 32055

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

PROPERTY INFORMATION

LOT: 7 BLOCK: N/A SUBDIVISION: TUSTENUGGEE PLANTATION UNIT 1 PLATTED:

PROPERTY ID #: 18-6S-17-09696-107 ZONING: RES I/M OR EQUIVALENT: [NO]

PROPERTY SIZE: 10.000 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: 138 SW HEATHER COURT FT. WHITE, FL 32038

DIRECTIONS TO PROPERTY: TAKE HWY 441 SOUTH, TURN RIGHT ON TUSTENUGGEE, GO PAST CR 240, TURN RIGHT ON MARIGOLD PLACE. SITE IS JUST PAST HEATHER COURT ON RIGHT.

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No.	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	HOUSE	3	2,405	
2				
3				
4				

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

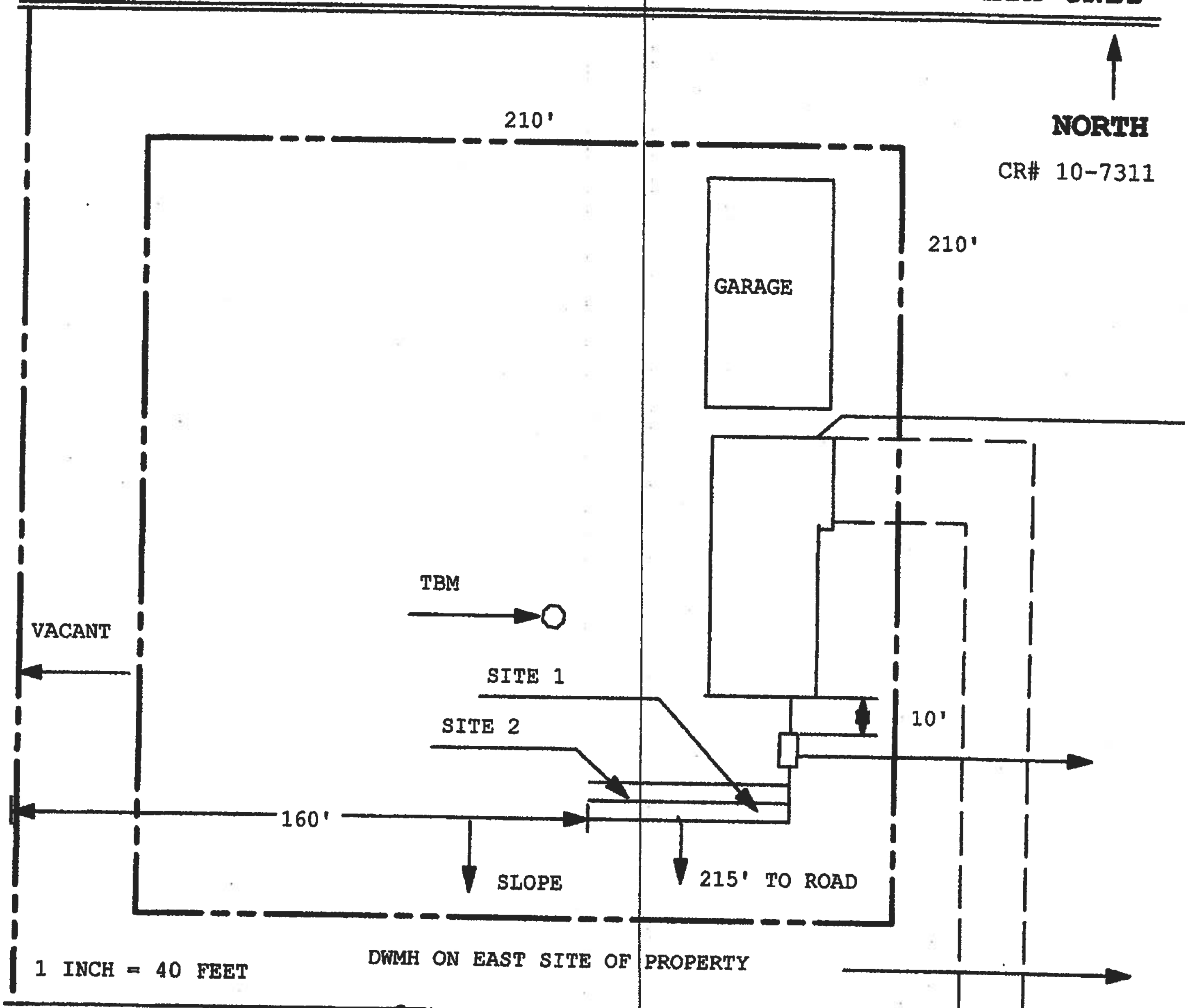
SIGNATURE: DATE: 7-3-19

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

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 19-0678

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

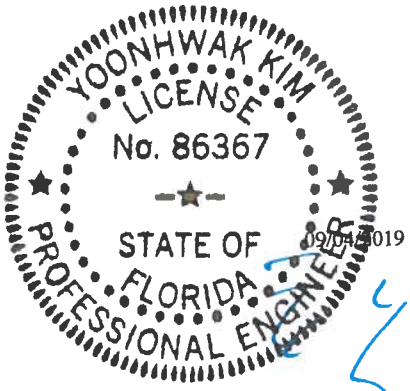


Site Plan Submitted By Paul Lloyd Date 9/3/19

Plan Approved ✓ Not Approved ____ Date 9/11/19

By [signature] ESI Columbia CPHU

Notes: ____________________



09/04/2019

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

ALPINE
AN ITW COMPANY

#0-278

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

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 19-3056
Job Description: /Heldon Residence /ZECHER CONSTRUCTION	
Address: 138 SW HEATHER COURT , FT WHITE, FL 32038	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 18.02.00 through 18.02.01 *JRef #:* 1WO82150004
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 11 truss drawing(s) and 4 detail(s).

Item	Seal #	Truss
1	247.19.1533.38607	A01
3	247.19.1534.09620	A03
5	247.19.1534.20057	A05
7	247.19.1534.31543	C01
9	247.19.1534.44130	C03
11	247.19.1535.10417	M01

Item	Seal #	Truss
2	247.19.1533.48100	A02
4	247.19.1534.14970	A04
6	247.19.1534.25813	B01
8	247.19.1534.38747	C02
10	247.19.1534.57060	FT1

General Notes

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

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

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

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

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

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

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

General Notes (continued)

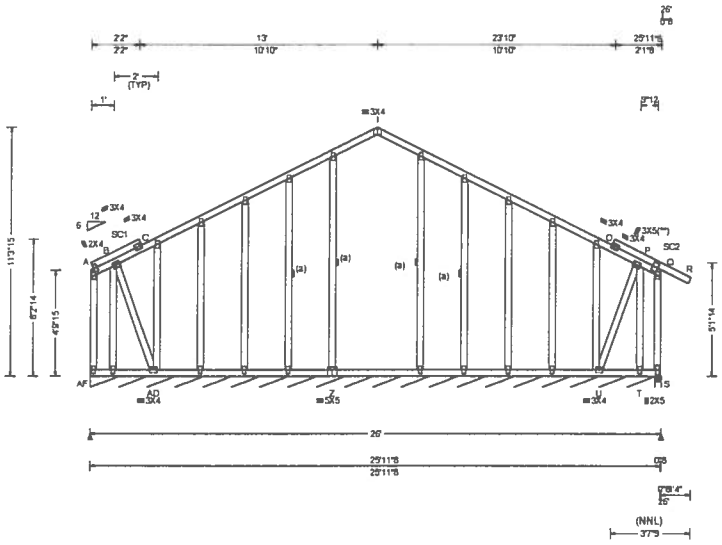
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written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

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the immediate vertical Deflection, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

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

SEQN: 567639 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** A01	Cust: R 215 JRef: 1WO82150004 T14 DrwNo: 247.19.1533.38607 / YK 09/04/2019	



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

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.91 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.015	I	999	240
VERT(CL): 0.023	I	999	240
HORZ(LL): 0.011	K	-	-
HORZ(TL): 0.017	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.208
Max BC CSI: 0.103
Max Web CSI: 0.186

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AF	*79	/-	/-	/43	/16	/7
S	187	/-	/-	/127	/50	/-

Wind reactions based on MWFRS
AF Brg Width = 308 Min Req = -
S Brg Width = 3.5 Min Req = 1.5
Bearings AF & S are a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
U - P	464	-202

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
P - T	200	-444

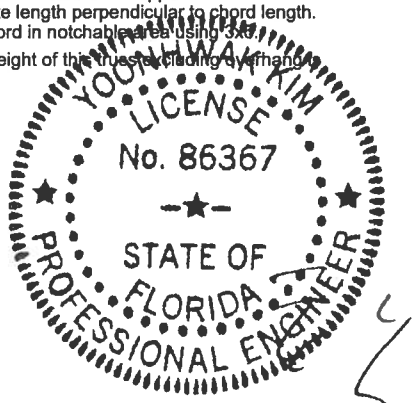
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Stack Chord SC2 2x4 SP #2:

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

Plating Notes
All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x4.
The overall height of this truss, including overhangs, is 11-3-15.



#0-278
09/04/2019

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

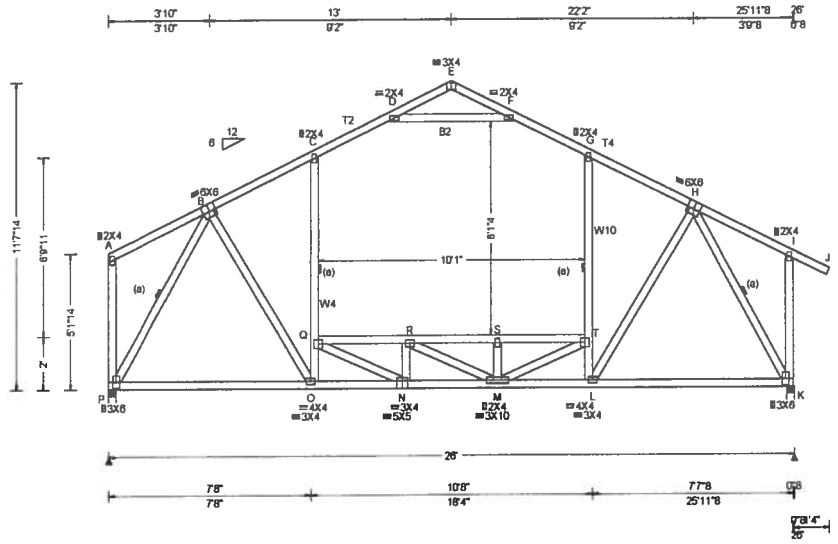
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 567635 ATIC FROM: CDM	Ply: 1 Qty: 7	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** A02	Cust: R 215 JRef: 1WO82150004 T15 DrwNo: 247.19.1533.48100 / YK 09/04/2019



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

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.83 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.244	C	999	480
VERT(CL): 0.525	C	593	360
HORZ(LL): 0.256	C	-	-
HORZ(TL): 0.550	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.873
Max BC CSI: 0.472
Max Web CSI: 0.673

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1925	/-	/-	/582	/200	/186
K	2018	/-	/-	/653	/220	/-

Wind reactions based on MWFRS
P Brg Width = 3.5 Min Req = 1.6
K Brg Width = 3.5 Min Req = 1.7
Bearings P & K 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	501	-1624	E - F	533	-44
C - D	531	-1376	F - G	525	-1378
D - E	536	-43	G - H	489	-1615

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	977	-212	M - L	1348	-237
O - N	1364	-214	L - K	960	-201
N - M	2213	-208			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	495	-2000	R - S	78	-939
B - O	789	-72	M - T	950	-25
C - Q	404	-16	S - T	79	-945
Q - N	898	-21	T - G	393	-20
Q - R	84	-915	L - H	815	-74
D - F	578	-1864	H - K	415	-1983
N - R	101	-426			

Lumber

Top chord 2x4 SP #2 :T2, T4 2x4 SP 2400f-2.0E:
Bot chord 2x4 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3 :W4, W10 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

Attic room loading from 7-11-8 to 18-0-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

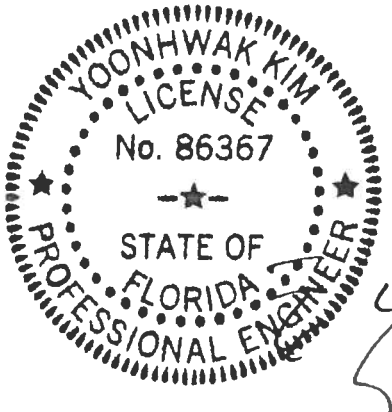
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-7-14.



#0-278
09/04/2019

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

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

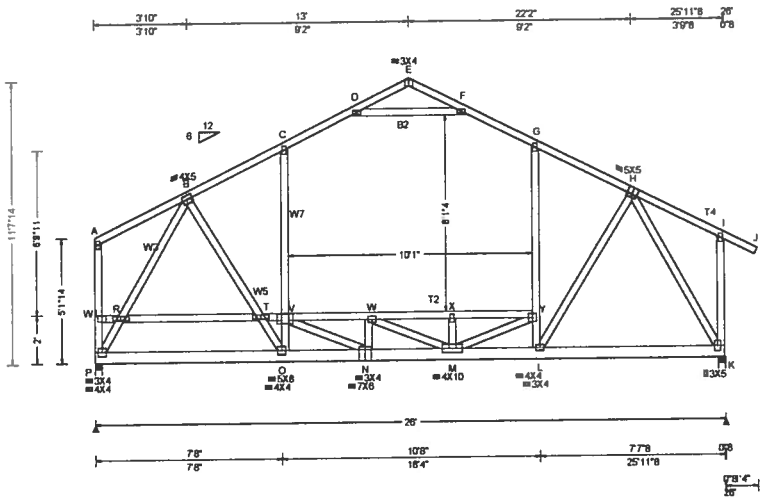
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses.**A seal on this drawing or cover page listing this drawing,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

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

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

SEQN: 567633 ATIC FROM: CDM	Ply: 3 Qty: 2	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** A03	Cust: R 215 JRef: 1WO82150004 T12 DrwNo: 247.19.1534.09620 / YK 09/04/2019

3 Complete Trusses Required



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

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 17.07 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.251	O	999	480
VERT(CL): 0.493	O	632	360
HORZ(LL): 0.261	C	-	-
HORZ(TL): 0.511	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.886
Max BC CSI: 0.406
Max Web CSI: 0.868

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	6211	/-	/-	/-	/128	/-
K	4040	/-	/-	/-	/224	/-

Wind reactions based on MWFRS
P Brg Width = 3.5 Min Req = 1.7
K Brg Width = 3.5 Min Req = 1.5
Bearings P & K 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	39	-1329	E - F	626	0
C - D	40	-993	F - G	44	-1015
D - E	648	0	G - H	44	-1254

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	1234	-16	M - L	1000	-34
O - N	1860	-16	L - K	734	-31
N - M	2629	-14			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - R	46	-1865	V - W	0	-1597
R - B	47	-1798	D - F	20	-1764
R - T	51	-478	W - X	0	-1260
B - T	688	-9	M - Y	1420	0
T - O	881	-6	X - Y	0	-1263
T - V	71	-691	Y - G	463	0
C - V	616	0	L - H	618	-2
V - N	856	0	H - K	63	-1500

Lumber
Top chord 2x4 SP 2400f-2.0E :T2, T4 2x4 SP #2:
Bot chord 2x6 SP M-31 :B2 2x4 SP #2:
Webs 2x4 SP #3 :W1, W3, W5, W7 2x4 SP #2:

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

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

TC: From	62 plf at	0.00 to	62 plf at	27.33
TC: From	22 plf at	7.96 to	22 plf at	10.55
TC: From	22 plf at	15.45 to	22 plf at	18.04
PLT: From	20 plf at	11.05 to	20 plf at	14.95
PLT: From	100 plf at	7.96 to	100 plf at	18.04
BC: From	20 plf at	0.00 to	20 plf at	25.96
BC: From	40 plf at	20.71 to	40 plf at	23.63
BC: From	4 plf at	26.00 to	4 plf at	27.33

BC: 715 lb Conc. Load at 0.35, 2.23, 4.23, 6.23 8.23,10.23,12.23,14.23,16.23
BC: 136 lb Conc. Load at 7.96,18.04

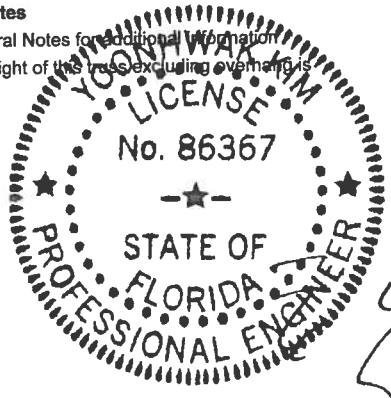
Plating Notes
All plates are 2X4 except as noted.

Purlins
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Loading
Attic room loading from 7-11-8 to 18-0-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Wind
Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information.
The overall height of this truss excluding overhang is 11-7-14.



#0-278
09/04/2019

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

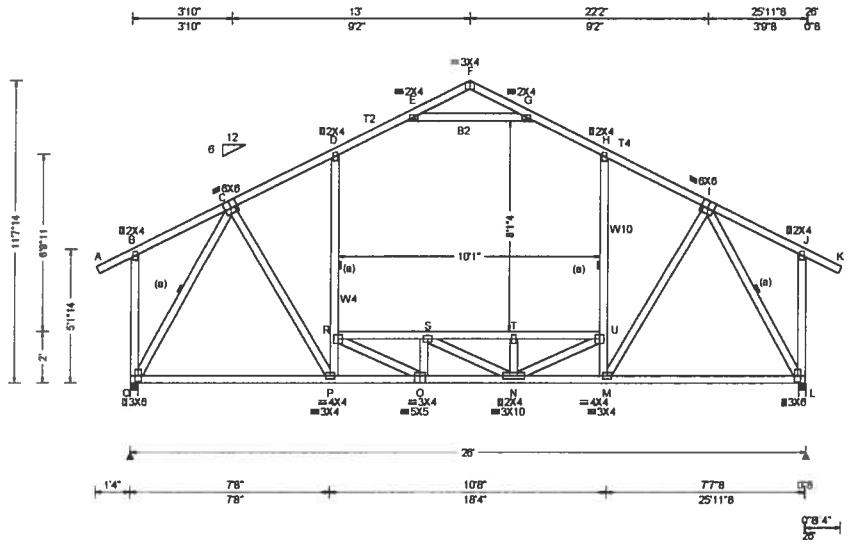
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 567637 ATIC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** A04	Cust: R 215 JRef: 1WO82150004 T16 DrwNo: 247.19.1534.14970 / YK 09/04/2019	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.83 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.243	D	999	480
VERT(CL): 0.519	D	600	360
HORZ(LL): 0.255	D	-	-
HORZ(TL): 0.543	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.872
Max BC CSI: 0.469
Max Web CSI: 0.667

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	2012	/-	/-	/651	/222	/199
L	2016	/-	/-	/651	/223	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	496	-1618	F - G	532	-47
D - E	531	-1374	G - H	531	-1375
E - F	534	-47	H - I	494	-1613

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	968	-207	N - M	1347	-236
P - O	1359	-226	M - L	959	-201
O - N	2209	-213			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	415	-1982	S - T	80	-940
C - P	800	-77	N - U	949	-26
D - R	401	-19	T - U	81	-946
R - O	898	-21	U - H	393	-20
R - S	86	-913	M - I	813	-76
E - G	581	-1860	I - L	415	-1980
O - S	103	-427			

Lumber

Top chord 2x4 SP #2 :T2, T4 2x4 SP 2400f-2.0E:
Bot chord 2x4 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3 :W4, W10 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

Attic room loading from 7-11-8 to 18-0-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-7-14.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0-278
09/04/2019

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

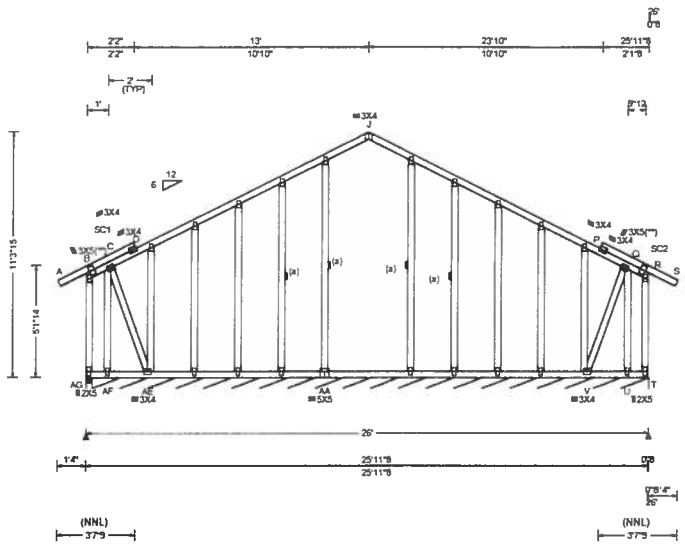
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 567641 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** A05		Cust: R 215 JRef: 1WO82150004 T17 DrwNo: 247.19.1534.20057 / YK 09/04/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.016 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.023 J 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 L - -
Des Ld: 40.00	EXP: C Kzt: NA	**Code / Misc Criteria**	HORZ(TL): 0.018 L - -
NCBCLL: 10.00	Mean Height: 16.91 ft	Bldg Code: FBC 2017 RES	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.220
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.103
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.192
	C&C Dist a: 3.00 ft	Plate Type(s):	
	Loc. from endwall: Any	WAVE	VIEW Ver: 18.02.01B.0321.08
	GCpi: 0.18		
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AG	183	/-	/-	/123	/50	/198
T*	83	/-	/-	/45	/17	/-

Wind reactions based on MWFRS
AG Brg Width = 3.5 Min Req = 1.5
T Brg Width = 308 Min Req = -
Bearings AG & AG are a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AE	437	-238	V - Q	435	-211

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
AF- C	237	-418	Q - U	208	-415

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhangs is 11-3-15.

YOONHWA KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

#0-278
09/04/2019

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

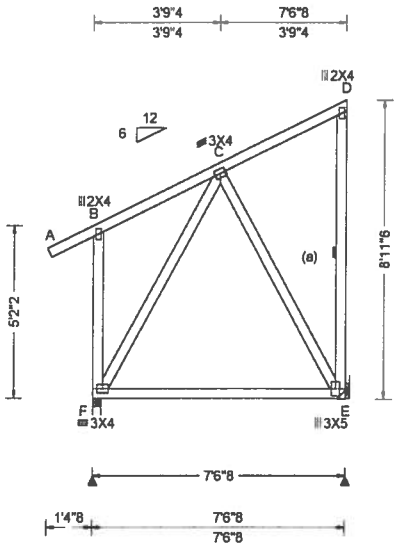
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 567629 MONO FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** B01	Cust: R 215 JRef: 1WO82150004 T6 DrwNo: 247.19.1534.25813 / YK 09/04/2019	



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

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.72 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	C	999	240
VERT(CL): 0.003	C	999	240
HORZ(LL): -0.003	B	-	-
HORZ(TL): 0.004	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.219
Max BC CSI: 0.799
Max Web CSI: 0.243

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	461	/-	/-	/254	/-	/127
E	361	/-	/-	/237	/160	/-

Wind reactions based on MWFRS
F Brg Width = 3.0 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing F is a rigid surface.
Members not listed have forces less than 375#

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

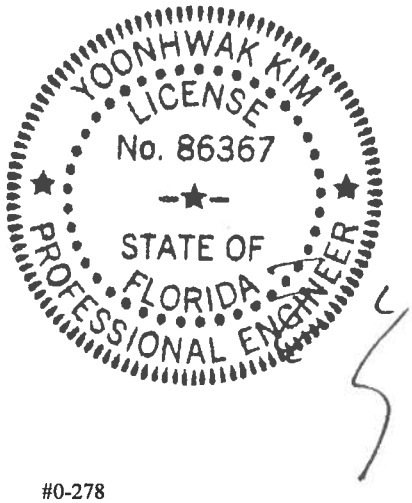
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 8-11-6.



#0-278
09/04/2019

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

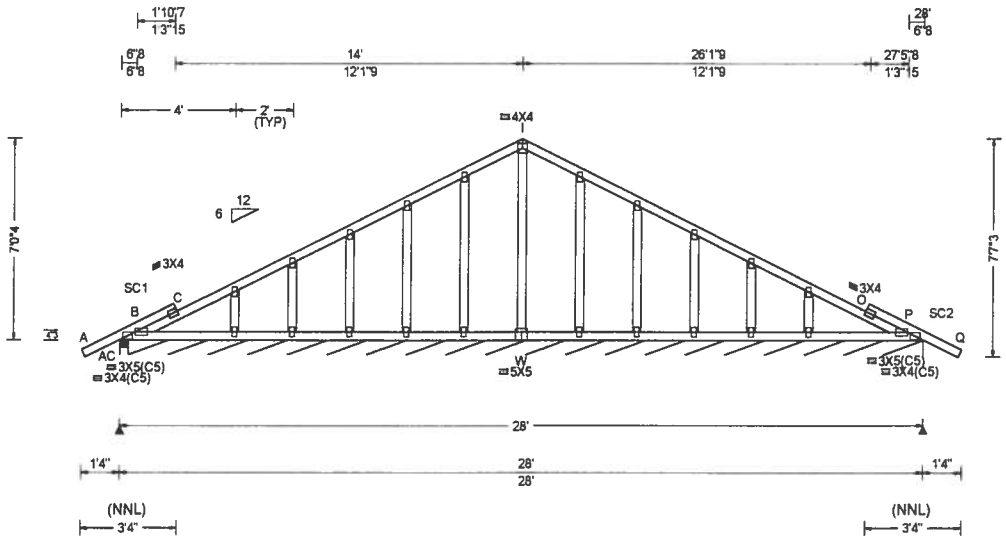
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 542019 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** C01	Cust: R 215 JRef: 1WO82150004 T4 DrwNo: 247.19.1534.31543 / YK 09/04/2019	



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲ Maximum Reactions (lbs), or *=PLF**
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity / Non-Gravity
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.006 O 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 O 999 240	AC 257 /- /- /149 /40 /210
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 O - -	P* 80 /- /- /42 /14 /-
Des Ld:	40.00	EXP: C Kzt: NA	**Code / Misc Criteria**	HORZ(TL): 0.005 O - -	Wind reactions based on MWFRS
NCBCLL:	10.00	Mean Height: 15.00 ft	Bldg Code: FBC 2017 RES	Creep Factor: 2.0	AC Brg Width = 3.5 Min Req = 1.5
Soffit:	2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.165	P Brg Width = 332 Min Req = -
Load Duration:	1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.084	Bearings AC & AC are a rigid surface.
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.121	Members not listed have forces less than 375#
		C&C Dist a: 3.00 ft	Plate Type(s):		
		Loc. from endwall: Any	WAVE		
		GCpi: 0.18		VIEW Ver: 18.02.00A.1126.20	
		Wind Duration: 1.60			

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.

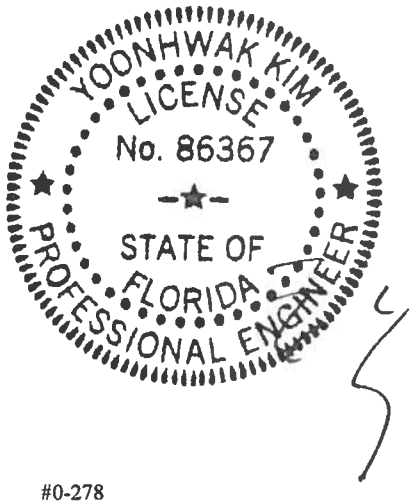
Additional Notes

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 7-0-4.



#0-278
09/04/2019

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

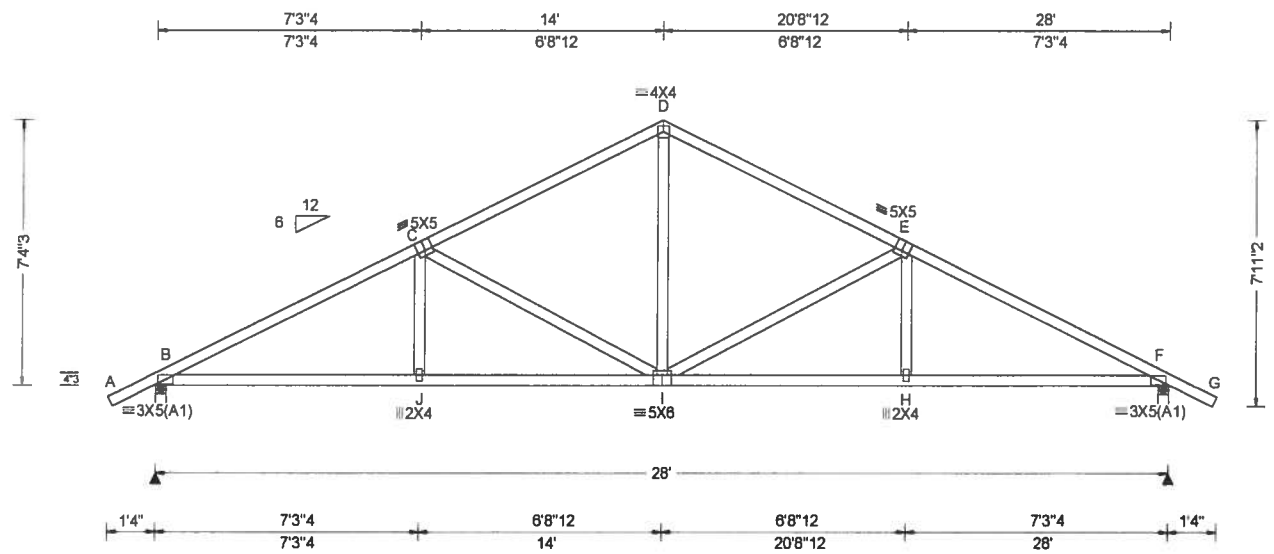
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 542024 COMN	Ply: 1	**Job Number:** 19-3056	Cust: R 215 JRef: 1WO82150004 T1
FROM: CDM	Qty: 23	/Heldon Residence /ZECHER CONSTRUCTION	DrwNo: 247.19.1534.38747
		Truss Label: C02	/ YK 09/04/2019



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

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

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.082	I	999	240
VERT(CL): 0.167	I	999	240
HORZ(LL): 0.037	H	-	-
HORZ(TL): 0.074	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.520
Max BC CSI: 0.686
Max Web CSI: 0.709

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1238	/-	/-	/737	/220	/211
F	1238	/-	/-	/737	/220	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	841	-2001	D - E	702	-1383
C - D	702	-1383	E - F	841	-2001

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1709	-600	I - H	1705	-613
J - I	1705	-600	H - F	1709	-613

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - I	358	-635	I - E	358	-635
D - I	751	-307			

Lumber

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

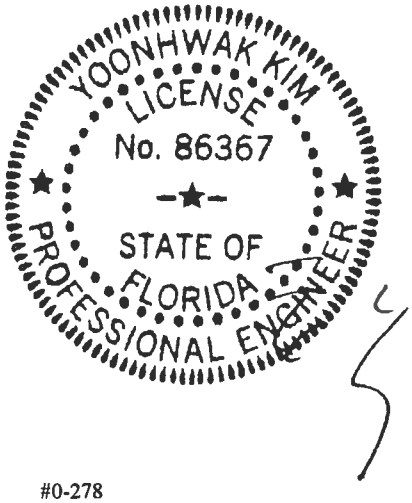
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7-4-3.



#0-278
09/04/2019

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

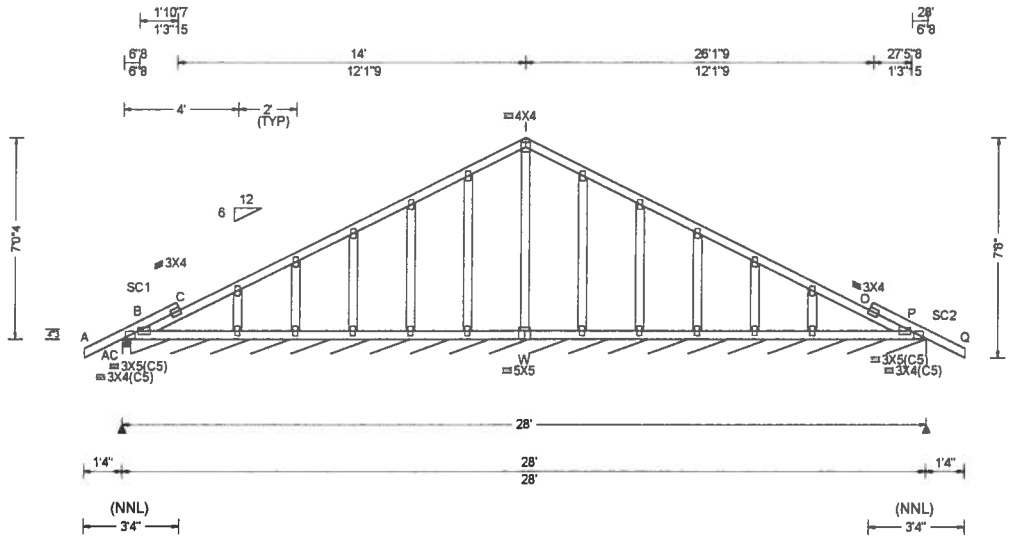
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 542135 GABL FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 19-3056 /Heldon Residence /ZECHER CONSTRUCTION **Truss Label:** C03	Cust: R 215 JRef: 1WO82150004 T8 DrwNo: 247.19.1534.44130 / YK 09/04/2019	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 22.41 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.006 O	999	240
VERT(CL):	0.011 O	999	240
HORZ(LL):	0.005 O	-	-
HORZ(TL):	0.006 O	-	-

Creep Factor: 2.0
Max TC CSI: 0.185
Max BC CSI: 0.083
Max Web CSI: 0.130

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AC	264	/-	/-	/152	/61	/211
P*	80	/-	/-	/42	/24	/-

Wind reactions based on MWFRS
AC Brg Width = 3.5 Min Req = 1.5
P Brg Width = 332 Min Req = -
Bearings AC & AC 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.

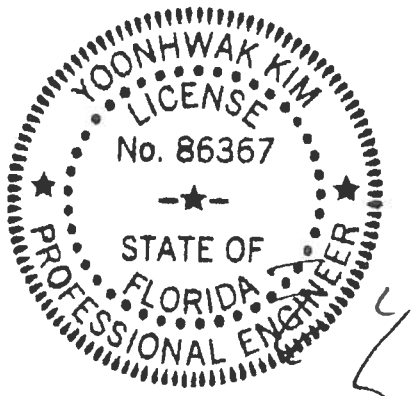
Additional Notes

Refer to General Notes for additional information

See DWGS A14030ENC101014 & 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 7-0-4.



#0-278
09/04/2019

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

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

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

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

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