

Columbia County New Building Permit Application

4050

For Office Use Only

Application # 44249

Date Received 12/27

By Ag

Permit # 39125

Zoning Official LW Date 12-30-19 Flood Zone Land Use Ag Zoning A-3

FEMA Map # Elevation MFE 102' River Plans Examiner Date 1-3-20

Comments

NOCC DEH Deed or PA Site Plan State Road Info Well letter 911 Sheet Parent Parcel #

Dev Permit # 19-0929 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 0929

OR City Water

Fax

Applicant (Who will sign/pickup the permit) Josh Sparks/Brittany Dunn Phone 786.623.0576

Address 6970 NW 120th St. Chieftand, FL 32626

Owners Name Albert + Diane Nagy Phone 434 485 3845

911 Address 503 NW Cambridge Hill Way, Lake City, FL 32055

Contractors Name Josh Sparks

Phone 786.623.0576

Address 414 SW Commerce Dr. Ste 130-J, Lake City, FL 32025

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

Fee Simple Owner Name & Address n/a

Bonding Co. Name & Address n/a

Architect/Engineer Name & Address Nicholas Aetler 1768 NW Brown Rd, Lake City, FL 32055

Mortgage Lenders Name & Address

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

Property ID Number 29 25.16 0177 121

Estimated Construction Cost 258,000

Subdivision Name Suwannee Valley Farms

Lot 21

Block

Unit

Phase 1

Driving Directions from a Major Road N on 41, L turn on Suwannee Valley rd, L @

2nd Suwannee Valley entrance - Lot 1 is located on L

Construction of Single family residence

Proposed Use/Occupancy Residential

Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? No If Yes, blueprints included Or Explain n/a

Circle Proposed Culvert Permit or Culvert Waiver or D.O.T. Permit or Have an existing Drive

Actual Distance of Structure from Property Lines - Front 124' Side 118' Side 120' Rear 500'

Number of Stories 1 Heated Floor Area 1849 sq ft Total Floor Area 2434 sq ft Acreage 5.08

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 infrastructure 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.

Print Owners Name Al Nagy Owners Signature [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 [Signature]

Contractor's License Number 0BC1252260

Columbia County

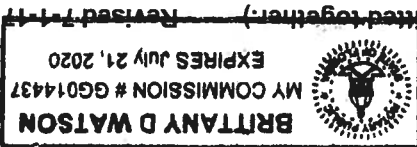
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 23 day of December 20 19.

Personally known ☒ or Produced Identification

SEAL:

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



APPLICATION/PERMIT # 44249 JOB NAME Sparks Construction SUBCONTRACTOR VERIFICATION Nagy Residence Lot # 21

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

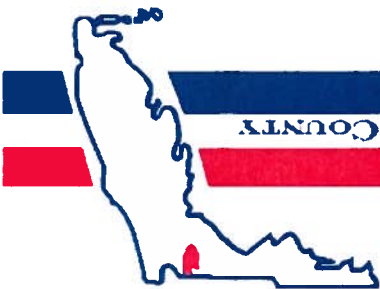
Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

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

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

ELECTRICAL	CC# 2148	Print Name: Ben Sparks	Company Name: Sparks Plumbing & Electric	License #: EC13009101	Phone #: 786.361.0046	Signature: [Signature]	Uc	Uab	W/C	EX	DE
MECHANICAL	CC# 2290	Print Name: Stephen Brisbois	Company Name: Epic AC	License #: CAC1819412	Phone #: 786.498.7707	Signature: [Signature]	Uc	Uab	W/C	EX	DE
PLUMBING/	CC# 0715	Print Name: [Signature]	Company Name: Bays Plumbing & Gas	License #: CFC1427145	Phone #: 786.752.8656	Signature: [Signature]	Uc	Uab	W/C	EX	DE
ROOFING	CC# 0913	Print Name: Ralph Lavardure	Company Name: RWT Roofing, LLC	License #: CCC1728590	Phone #: 786.755.6489	Signature: [Signature]	Uc	Uab	W/C	EX	DE
SHEET METAL	CC#	Print Name:	Company Name:	License #:	Phone #:	Signature:	Uc	Uab	W/C	EX	DE
FIRE SYSTEM/	CC#	Print Name:	Company Name:	License #:	Phone #:	Signature:	Uc	Uab	W/C	EX	DE
SPRINKLER	CC#	Print Name:	Company Name:	License #:	Phone #:	Signature:	Uc	Uab	W/C	EX	DE
SOLAR	CC#	Print Name:	Company Name:	License #:	Phone #:	Signature:	Uc	Uab	W/C	EX	DE
STATE SPECIALTY	CC#	Print Name:	Company Name:	License #:	Phone #:	Signature:	Uc	Uab	W/C	EX	DE

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



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

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

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:	12/23/2019 8:39:05 PM
Address:	503 NW CAMBRIDGE HILL Way LAKE CITY FL 32055
Zip Code	32055
Parcel ID	01777-121
REMARKS:	Address for proposed structure on parcel.

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

Address Issued By: Signed: Matt Crews

Columbia County GIS/911 Addressing Coordinator

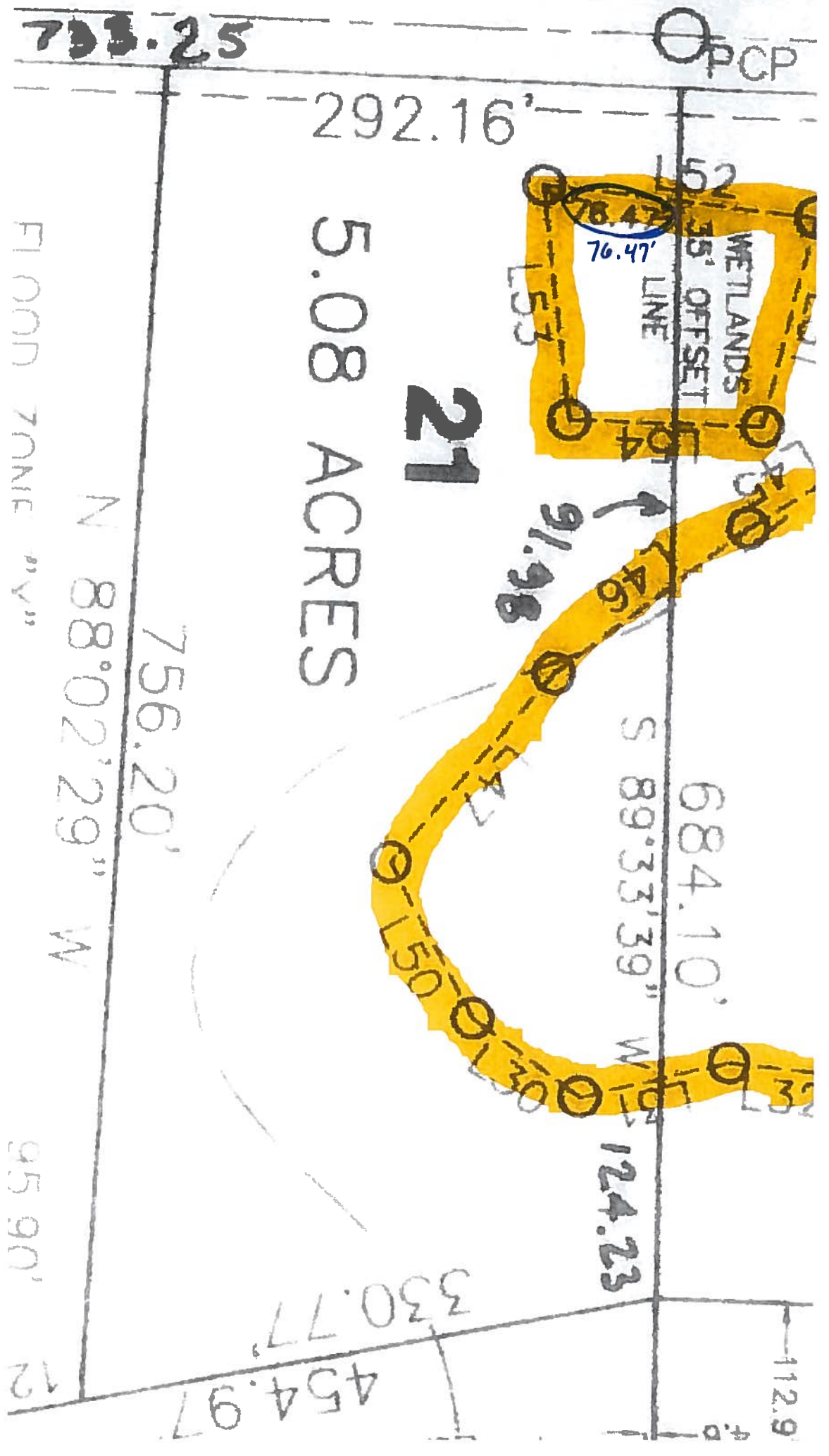
COLUMBIA COUNTY

911 ADDRESSING / GIS DEPARTMENT

263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125

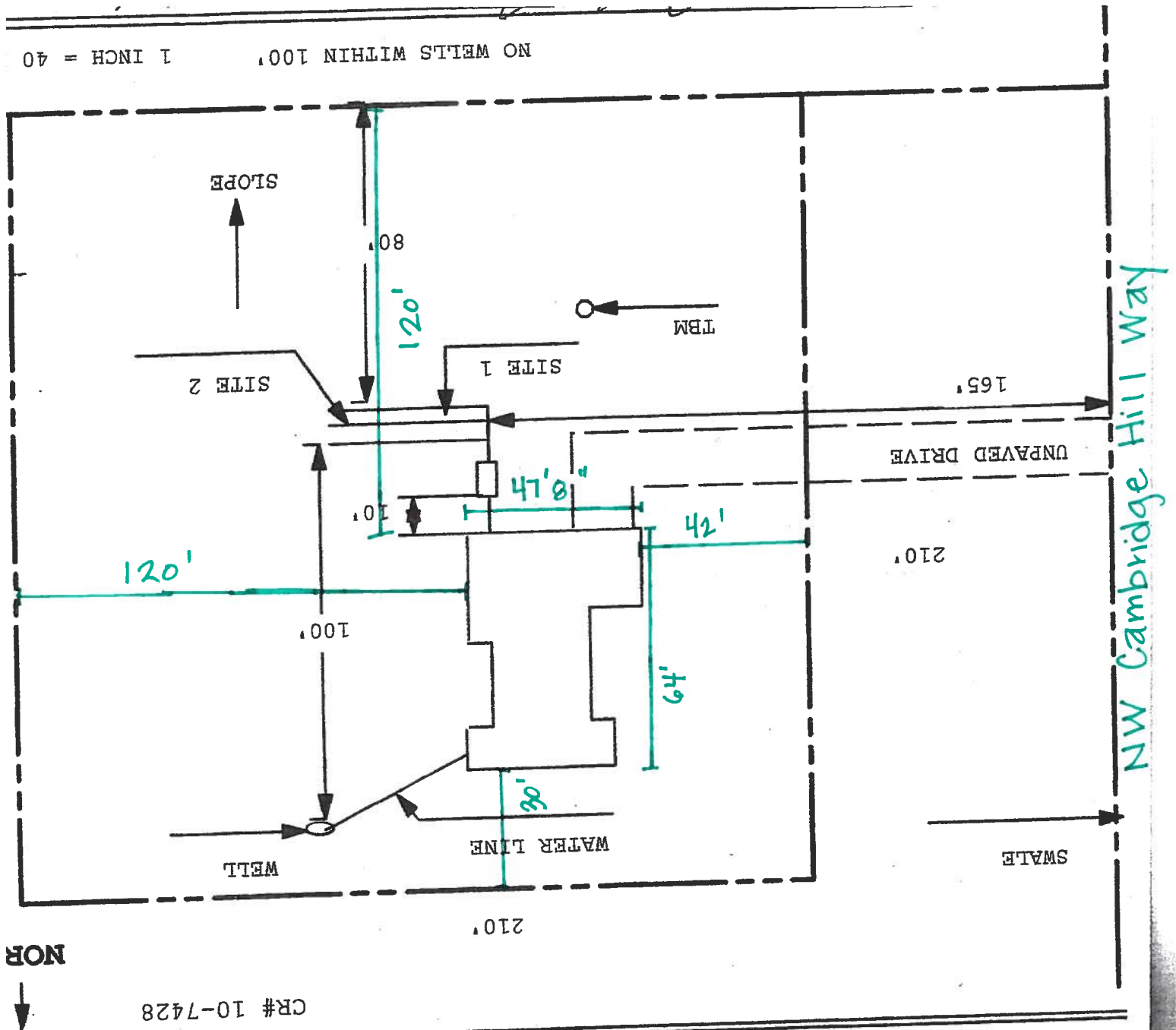
Email: gis@columbiacountyfla.com

GrizzlyLogix.com



Heated sq.ft. 1849
Total sq.ft. 2634

NO WELLS WITHIN 100' 1 INCH = 40



Lot 21
Site Plan - Nany

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values
updated: 11/27/2019

Retrieve Tax Record 2019 TRIM (pdf) Property Card Parcel List Generator Show on GIS Map Print

Parcel: 29-2S-16-01777-121 >>

Owner & Property Info

Result: 1 of 1

Owner	NAGY ALBERT FRANCIS & DIANNE JOYCE NAGY 6970 NW 120TH ST CHIEFLAND, FL 32626	Site		Description *	LOT 21 SUWANNEE VALLEY FARMS S/D PHASE 1, WD 1350-1331, AG 1352-1269, WD 1391-2202,	Area	5.08 AC	VACANT (000000)	Tax District	3	Use Code **
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*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)	\$34,500	Mkt Land (1)	\$34,500
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$34,500	Just	\$34,500
Class	\$0	Class	\$0
Appraised	\$34,500	Appraised	\$34,500
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$34,500	Assessed	\$34,500
Exempt	\$0	Exempt	\$0
Total	county:\$34,500 city:\$34,500 other:\$34,500 school:\$34,500	Total	county:\$34,500 city:\$34,500 other:\$34,500 school:\$34,500

Sales History

Show Similar Sales within 1/2 mile Fill out Sales Questionnaire

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
8/15/2019	\$38,500	1391/2202	WD	V	Q	01
12/22/2017	\$35,900	1350/1331	WD	V	U	34
12/21/2017	\$0	1352/1269	AG	V	U	21

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
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Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
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Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
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SALE
8/21/2019

This Instrument Prepared by & return to:

Name: Maria Landin, an employee of
Integrity Title Services, LLC
Address: 757 W. DUVALL STREET
LAKE CITY, FL 32055
File No. 19-07051MML

Parcel ID #: R01777-121

Inst: 201912019506 Date: 08/21/2019 Time: 3:34PM
Page 1 of 2 B: 1391 P: 2202 P. Dewitt Cason, Clerk of Court
Columbia County, FL
Deputy Clerk/Doc Stamp/Deed: 269.50

SPACE ABOVE THIS LINE FOR RECORDING DATA

SPACE ABOVE THIS LINE FOR PROCESSING DATA

THIS WARRANTY DEED Made the 15 day of August, A.D. 2019, by **KEVIN OLIVE and APRIL OLIVE, HIS WIFE**, hereinafter called the grantors, to **ALBERT FRANCIS NAGY and DIANNE JOYCE NAGY, HIS WIFE**, whose post office address is **3179 SALEM ROAD, SPOUT SPRING, VA 24593**, hereinafter called the grantees:

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantors, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in **Columbia County, State of Florida**, viz:

See Exhibit "A"

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

To Have and to Hold the same in fee simple forever.

And the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple, that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2019.

In **Witness Whereof**, the said grantors have signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Kevin Olive
Witness Signature
Kevin Olive
Printed Name
April Olive
Witness Signature
April Olive
Printed Name

Kevin Olive
L.S.
Address: 9551 PAGOSTA STREET, COMMERCE
CITY, CO 8002
April Olive
L.S.
Address: 9551 PAGOSTA STREET, COMMERCE
CITY, CO 8002

STATE OF COLORADO
COUNTY OF Adams

The foregoing instrument was acknowledged before me this 15 day of August, 2019, by **KEVIN OLIVE and APRIL OLIVE**, who are known to me or who have produced Drivers Licenses as identification

Kevin Olive
Notary Public
My commission expires 07-14-23

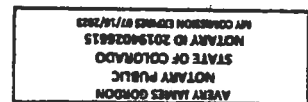


Exhibit "A"

Lot 21, SUWANNEE VALLEY FARMS PHASE 1, a subdivision as recorded in Plat Book 8, Page(s)
47, of the Public Records of Columbia County, Florida.

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number: 29.2516.0177.121

Clerk's Office Stamp
 Last: 201912030292 Date: 12/27/2019 Time: 1:42PM
 Page 1 of 1 B: 1402 P: 388 P: DeWitt Casson, Clerk of Court Columbia County, By: PT
 Deputy Clerk

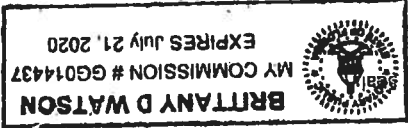
THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT:

1. Description of property (legal description): 503 NW Cambridge Hill, Lake City, 32055
 2. General description of improvements: Single family residence
 3. Owner information or Lessee information if the Lessee contracted for the improvements: AI + Diane Nagay 6970 NW 120th St. Chieftland, FL 32626
 4. Contractor information: Josh Sparks 4265 W Commerce Drive, Ste. 130-Lake City, FL 32025
 5. Surety information (if applicable, a copy of the payment bond is attached):
 a) Name and address: N/A
 b) Amount of Bond:
 c) Telephone No.:
 6. Lender:
 a) Name and address: N/A
 b) Phone No.:
 7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes:
 a) Name and address: N/A
 b) Telephone No.:
 8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
 a) Name: N/A
 b) Telephone No.:
 9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified):

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

10. Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Partner/Manager
 Printed Name and Signatory's Title/Office: Josh Sparks - authorized office
 The foregoing instrument was acknowledged before me, a Florida Notary, this 23 day of December 2019, by:

as authorized office for AI + Diane Nagay
 (Name of Person) Personally Known OR Produced Identification Type
 Notary Signature: [Signature]



		Hall's Pump and Well Services, Inc. 904 NW Main Blvd. Lake City, FL 32055 hallspumpandwell@bellsouth.net	
Contractor #		1503	
Submitted By		Benjamin D. Dicks	
1/6/2020			

Parcel ID 26-25-16-01777-121
 Well Letter of Compliance
 Property Owners: Albert & Dianne Nagy
 Columbia County
 Drop pipe size, 1-1/4" inch
 4 inch black steel well casing, 235mm wall thickness
 Tank sized, PC 244, 81 gallon, will supply a 23.9 gal. draw down
 at 40/60 pressure setting.
 All wells will have a pump and tank combination that will be
 sufficient for 1 minute of runtime
 If you have any questions please call our office @ 386-752-1854
 Pump size 1.0 hp, 230 volt, single ph, pump and motor
 or 4 in diameter

Benjamin Dicks,
 Office Coordinator,
 Hall's Pump and Well Services, Inc.
 904 NW Main Blvd.
 Lake City, FL 32055
 (P): (386)752-1854
 Thanks,

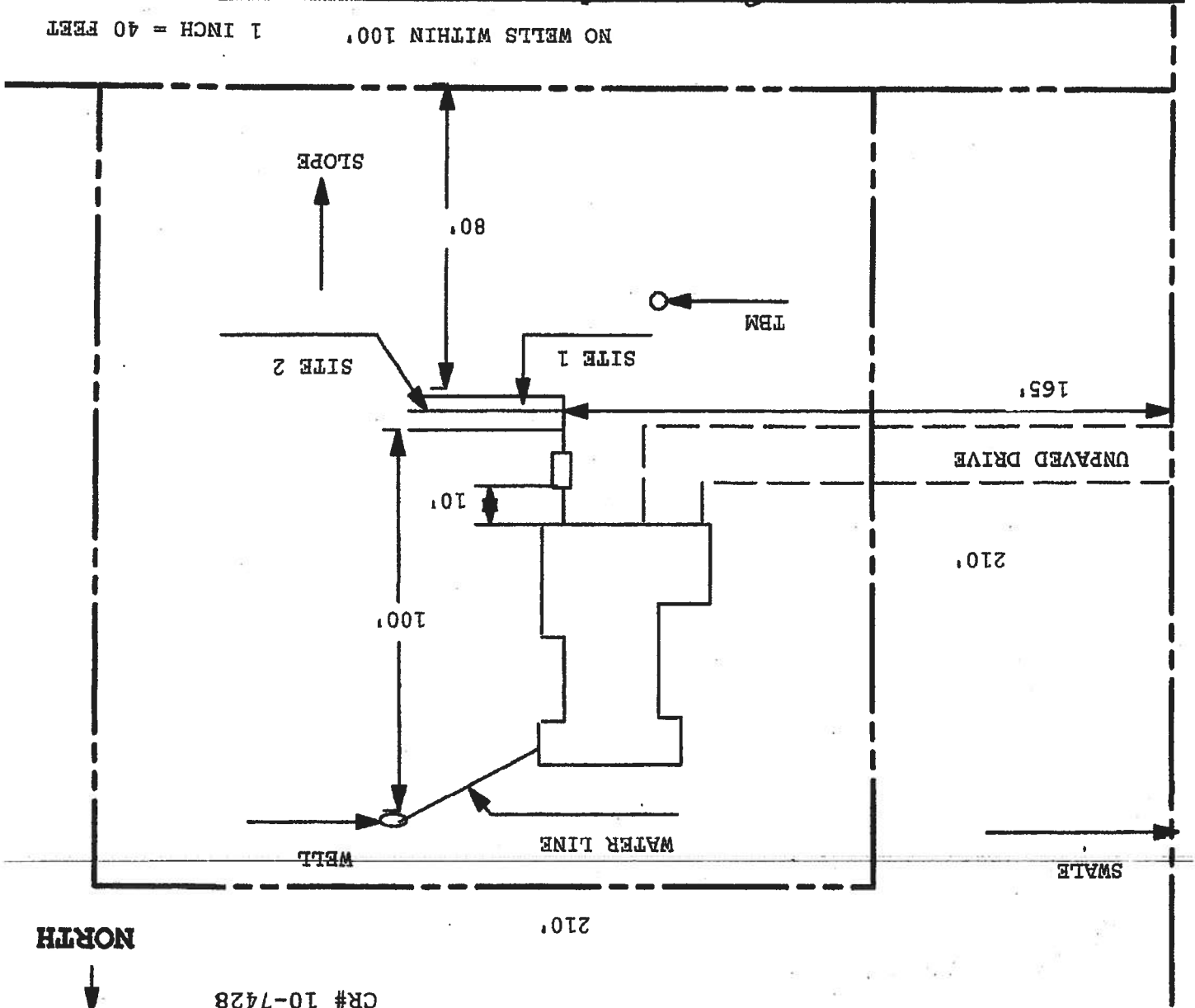
Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 19-0939

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CR# 10-7428

NORTH



NO WELLS WITHIN 100' 1 INCH = 40 FEET

Site Plan Submitted By [Signature] Not Approved [Signature] Date 12/18/19
 Plan Approved [Signature] Date 12/18/19
 By [Signature] CPNU

Notes:

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



APPLICATION FOR:
☒ New System
☐ Repair
☐ Abandonment
☐ Holding Tank
☐ Temporary
☐ Innovative

APPLICANT: ALBERT & DIANNE NAGY

AGENT: SPARKS CONSTRUCTION

TELEPHONE: (386) 755-9314

MAILING ADDRESS: 426 SW COMMERCE DR. SUIT J

LAKE CITY FL 32055

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

PROPERTY INFORMATION

LOT: 21 BLOCK: N/A SUBDIVISION: SUWANNEE VALLEY FARMS PH1 PLATTED:

PROPERTY ID #: 29-2S-16-01777-121 ZONING: RES I/M OR EQUIVALENT: [NO]

PROPERTY SIZE: 5.020 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: NW CAMBRIDGE HILL WAY LAKE CITY

DIRECTIONS TO PROPERTY:

TAKE US 41 NORTH, TURN LEFT ON SUWANNEE VALLEY RD. TURN LEFT ON NW CAMBRIDGE HILL WAY, SITE ON LEFT.

BUILDING INFORMATION [X] RESIDENTIAL [] COMMERCIAL

Unit Type of No. Establishment No. of Bedrooms Building Area sqft Commercial/Institutional System Design

1 HOUSE 3 1,849
 2
 3
 4
 [] Floor/Equipment Drains [] Other (Specify)

SIGNATURE:

DATE: 12-19-19

DR 4015, 08/09 (Obsoletes previous editions which may not be used)

Incorporated 64E-6.001, FAC

CR # 10-7428

PERMIT NO. 19-3939

DATE PAID: 12/31/19

FEE PAID: 310.00

RECEIPT #: 14581005



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

Revised 12/2016

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

1	Two (2) complete sets of plans containing the following:		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	YES - YES	
3	Condition space (Sq. Ft.)	1849	
	Total (Sq. Ft.) under roof	2434	
	YES	NO	N/A

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

Site Plan information including:

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

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

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

8	Plans or specifications must show compliance with FBCR Chapter 3	YES
	NO	N/A

Select From the Dropdown

9	Basic wind speed (3-second gust), miles per hour	YES
10	(Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	YES
11	Wind importance factor and nature of occupancy	YES
12	The applicable internal pressure coefficient, Components and Cladding	YES
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	YES

Elevations Drawing including:

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

SCANNED

Floor Plan including:

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

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

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

FBCR 403: Foundation Plans

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

Select From the Dropbox

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

Floor Framing System: First and/or second story

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

Select From the Dropdown

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

FBCR: ROOF SYSTEMS:

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

FBCR 802: Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBRC Chapter 11 Energy Efficiency Code for residential building

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

YES / NO / N/A

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

73	Show the insulation R value for the following areas of the structure	-	1105
74	Attic space	-	1105
75	Exterior wall cavity	-	1105
76	Crawl space	-	1105

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	-	1105
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or	-	1105
79	Show clothes dryer route and total run of exhaust duct	-	1105

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	-	1105
81	Show the location of water heater	-	1105

Private Potable Water

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

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	-	1105
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	-	1105
87	Show the location of smoke detectors & Carbon monoxide detectors	-	1105
88	Show service panel, sub-panel, location(s) and total ampere ratings	-	1105
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	-	1105
90	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	-	1105
91	Appliances and HVAC equipment and disconnects	-	1105
	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, parlor, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter, Protection device.	-	1105

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

YES NO N/A

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

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

Disclosure Statement for Owner Builders If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form. **Notice Of Commencement** A notice of commencement form recorded in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed. **Section R101.2.1 of the Florida Building Code Residential:**

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

As required by Florida Statute 553.842 and Florida Administrative Code 8B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Masonite	Single hung	FL15465-89
B. SLIDING			
C. SECTIONAL/ROLL UP	CHI overhead	Garage Door w/ side lift	FL17065-84
D. OTHER	Masonite	Single door w/ side lift	FL17065-84
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MI Windows	Single hung	FL17499-85
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Hardie	plank siding	FL10477-R7
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Timberline		FL3443-R25
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS	Simpson		FL420-R18
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. UNITS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

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

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

Contractor OR Agent Signature

Date

10-30-18

NOTES:

Residential System Sizing Calculation

Summary
Project Title:
Nagy Residence

SCANNED

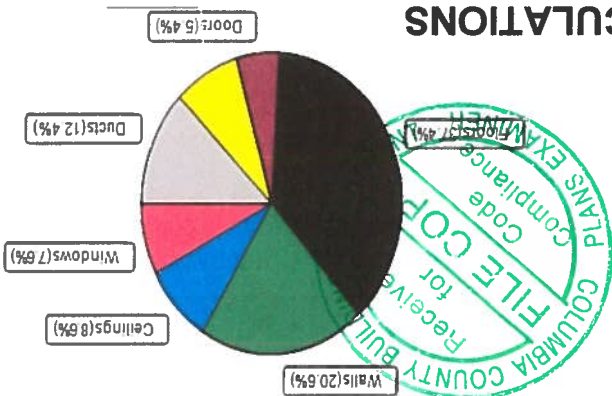
12/10/2019

, FL

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)

Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
Total heating load calculation		Total cooling load calculation	
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	153.4 42000	Sensible (SHR = 0.85)	215.1 35700
Heat Pump + Auxiliary(0.0kW)	153.4 42000	Latent	213.3 6300
Total (Electric Heat Pump)		Total (Electric Heat Pump)	
214.8 42000		214.8 42000	

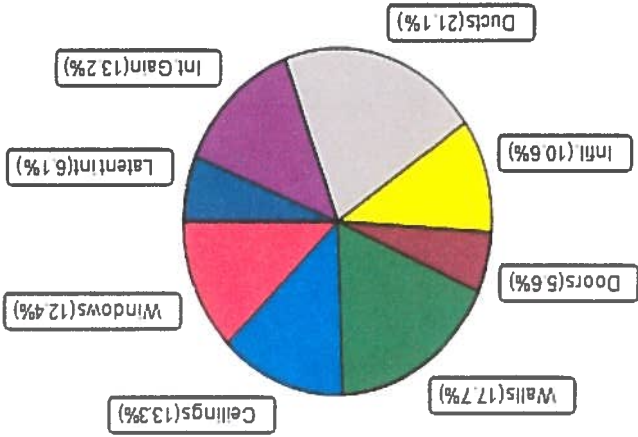
WINTER CALCULATIONS



Load component		Load	
Window total	158 sqft	2086 Btuh	2086 Btuh
Wall total	1636 sqft	5640 Btuh	5640 Btuh
Door total	80 sqft	1472 Btuh	1472 Btuh
Ceiling total	1849 sqft	2355 Btuh	2355 Btuh
Floor total	1849 sqft	10242 Btuh	10242 Btuh
Infiltration	50 cfm	2191 Btuh	3397 Btuh
Duct loss			27384 Btuh
Subtotal			27384 Btuh
Ventilation	0 cfm	0 Btuh	27384 Btuh
TOTAL HEAT LOSS		27384 Btuh	

Winter Heating Load (for 1849 sqft)

SUMMER CALCULATIONS



Load component		Load	
Window total	158 sqft	2420 Btuh	2420 Btuh
Wall total	1636 sqft	3464 Btuh	3464 Btuh
Door total	80 sqft	1104 Btuh	1104 Btuh
Ceiling total	1849 sqft	2591 Btuh	2591 Btuh
Floor total		0 Btuh	0 Btuh
Infiltration	38 cfm	781 Btuh	2580 Btuh
Internal gain			3660 Btuh
Duct gain			0 Btuh
Sens. Ventilation	0 cfm	0 Btuh	0 Btuh
Blower Load			0 Btuh
Total sensible gain			16600 Btuh
Latent gain(ducts)		458 Btuh	1295 Btuh
Latent gain(infiltration)		1295 Btuh	0 Btuh
Latent gain(ventilation)		0 Btuh	1200 Btuh
Latent gain(internal/occupants/other)			2954 Btuh
Total latent gain			19553 Btuh
TOTAL HEAT GAIN		19553 Btuh	

Summer Cooling Load (for 1849 sqft)

8th Edition



EnergyGauge® / USRCZB v6.1.04

EnergyGauge® System Sizing
PREPARED BY:
DATE: 12-10-19

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Nagy Residence

, FL

12/10/2019

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

Component Loads for Whole House

Window													Type*		Overhang	Window Area(sqft)	HTM	Load
Panels SHGC U Insh IS Omit Len Hgt													Gross Shaded Unshaded		Shaded Unshaded			
1	2 NFRC	0.22, 0.33	No	No	N	1.5ft	1.3ft	15.0	0.0	15.0	11	163 Btuh						
2	2 NFRC	0.22, 0.33	No	No	N	7.5ft	1.3ft	12.0	0.0	12.0	11	131 Btuh						
3	2 NFRC	0.22, 0.33	No	No	N	1.5ft	1.3ft	30.0	0.0	30.0	11	327 Btuh						
4	2 NFRC	0.22, 0.33	No	No	S	1.5ft	1.3ft	50.0	0.0	50.0	11	545 Btuh						
5	2 NFRC	0.22, 0.33	No	No	S	1.5ft	1.3ft	15.0	0.0	15.0	11	163 Btuh						
6	2 NFRC	0.22, 0.33	No	No	W	1.5ft	1.3ft	30.0	0.0	30.0	11	824 Btuh						
7	Excursion	0.22, 0.33	No	No	W	1.5ft	1.3ft	6.0	0.0	6.0	11	102 Btuh						
Window Total																		
Type													U-Value R-Value		Area(sqft)		HTM	Load
Cav/Sheath																		
1	Frame - Wood - Ext	0.09	13.0/0.6	93.0	2.2	204 Btuh	112 Btuh	334 Btuh	51.0	152.0	2.2	112 Btuh						
2	Frame - Wood - Ext	0.09	13.0/0.6	51.0	2.2	112 Btuh	514 Btuh	336 Btuh	153.0	234.0	2.2	514 Btuh						
3	Frame - Wood - Ext	0.09	13.0/0.6	153.0	2.2	336 Btuh	68 Btuh	204 Btuh	31.0	93.0	2.2	68 Btuh						
4	Frame - Wood - Ext	0.09	13.0/0.6	51.0	2.2	112 Btuh	112 Btuh	334 Btuh	152.0	152.0	2.2	112 Btuh						
5	Frame - Wood - Ext	0.09	13.0/0.6	234.0	2.2	514 Btuh	336 Btuh	68 Btuh	234.0	234.0	2.2	514 Btuh						
6	Frame - Wood - Ext	0.09	13.0/0.6	153.0	2.2	336 Btuh	68 Btuh	204 Btuh	153.0	153.0	2.2	336 Btuh						
7	Frame - Wood - Ext	0.09	13.0/0.6	31.0	2.2	68 Btuh	204 Btuh	68 Btuh	93.0	93.0	2.2	204 Btuh						
8	Frame - Wood - Ext	0.09	13.0/0.6	93.0	2.2	204 Btuh	689 Btuh	385 Btuh	313.5	313.5	2.2	689 Btuh						
9	Frame - Wood - Ext	0.09	13.0/0.6	313.5	2.2	689 Btuh	385 Btuh	385 Btuh	235.0	235.0	1.6	385 Btuh						
10	Frame - Wood - Adj	0.09	13.0/0.6	235.0	1.6	385 Btuh	503 Btuh	3464 Btuh	229.0	229.0	2.2	503 Btuh						
11	Frame - Wood - Ext	0.09	13.0/0.6	229.0	2.2	503 Btuh	3464 Btuh	3464 Btuh	1636 (sqft)	1636 (sqft)		3464 Btuh						
Door Total																		
1	Insulated - Exterior	40.0	20.0	13.8	552 Btuh	Load			Area (sqft)	HTM								
2	Insulated - Exterior	20.0	20.0	13.8	276 Btuh				20.0									
3	Insulated - Garage	20.0	20.0	13.8	276 Btuh				20.0									
Ceiling Total																		
1	Vented Attic/Light/Shingle	0.032	30.0/0.0	1849.0	1.40	2591 Btuh	Load		R-Value	Size	HTM	Load						
Type									Area(sqft)									
Ceiling Total									1849 (sqft)									
Floors																		
1	Slab On Grade	0.0	1849 (ft-perimeter)	0.0	HTM	Load			1849.0 (sqft)									
Envelope Subtotal:																		
9579 Btuh																		

Infiltration	Type	Average ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	Natural	0.14	16641	1	37.5	781 Btuh
Internal		Occupants	Btuh/occupant	Appliance		Load
gain		6	X 230	+	1200	2580 Btuh
	Sensible Envelope Load:					12940 Btuh
Duct load	Extremely sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.283)					3660 Btuh
	Sensible Load All Zones					16600 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate: FL_GAINESVILLE_REGIONAL_A
Nagy Residence

, FL

12/10/2019

WHOLE HOUSE TOTALS

Whole House		Totals for Cooling
Sensible Envelope Load All Zones	12940 Btuh	
Sensible Duct Load	3660 Btuh	
Total Sensible Zone Loads	16600 Btuh	
Sensible ventilation	0 Btuh	
Blower	0 Btuh	
Total sensible gain	16600 Btuh	
Latent infiltration gain (for 51 gr. humidity difference)	1295 Btuh	
Latent ventilation gain	0 Btuh	
Latent duct gain	458 Btuh	
Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh	
Latent other gain	0 Btuh	
Latent total gain	2954 Btuh	
TOTAL GAIN	19553 Btuh	

EQUIPMENT

1. Central Unit	#	42000 Btuh
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*Key: Window types (Panels - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



Version 8

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Nagy Residence
Building Type: User

, FL

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

12/10/2019

Component Loads for Whole House

Window		Panes/Type	Frame U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.22	Vinyl	0.33	N	15.0		13.2	198 Btuh
2	2, NFRC 0.22	Vinyl	0.33	N	12.0		13.2	158 Btuh
3	2, NFRC 0.22	Vinyl	0.33	N	30.0		13.2	396 Btuh
4	2, NFRC 0.22	Vinyl	0.33	S	50.0		13.2	660 Btuh
5	2, NFRC 0.22	Vinyl	0.33	S	15.0		13.2	198 Btuh
6	2, NFRC 0.22	Vinyl	0.33	W	30.0		13.2	396 Btuh
7	2, NFRC 0.22	Vinyl	0.33	W	6.0		13.2	79 Btuh
Window Total					158.0(sqft)			2086 Btuh
Walls		Type	Ornt. Ueff.	R-Value	Area X	HTM=	Load	
1	Frame - Wood	- Ext (0.086)	13.0/0.6	93	3.45		321 Btuh	
2	Frame - Wood	- Ext (0.086)	13.0/0.6	51	3.45		176 Btuh	
3	Frame - Wood	- Ext (0.086)	13.0/0.6	152	3.45		524 Btuh	
4	Frame - Wood	- Ext (0.086)	13.0/0.6	51	3.45		176 Btuh	
5	Frame - Wood	- Ext (0.086)	13.0/0.6	234	3.45		807 Btuh	
6	Frame - Wood	- Ext (0.086)	13.0/0.6	153	3.45		528 Btuh	
7	Frame - Wood	- Ext (0.086)	13.0/0.6	31	3.45		107 Btuh	
8	Frame - Wood	- Ext (0.086)	13.0/0.6	93	3.45		321 Btuh	
9	Frame - Wood	- Ext (0.086)	13.0/0.6	314	3.45		1081 Btuh	
10	Frame - Wood	- Adj (0.086)	13.0/0.6	235	3.45		810 Btuh	
11	Frame - Wood	- Ext (0.086)	13.0/0.6	229	3.45		790 Btuh	
Wall Total					1636(sqft)			5640 Btuh
Doors		Type	Storm Ueff.	Area X	HTM=	Load		
1	Insulated - Exterior, n (0.460)			40	18.4		736 Btuh	
2	Insulated - Exterior, n (0.460)			20	18.4		368 Btuh	
3	Insulated - Garage, n (0.460)			20	18.4		368 Btuh	
Door Total					80(sqft)			1472Btuh
Ceilings		Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load	
1	Vented Attic/L/Shing	(0.032)	30.0/0.0	1849	1.3		2355 Btuh	
Ceiling Total					1849(sqft)			2355Btuh
Floors		Type	Ueff.	R-Value	Size X	HTM=	Load	
1	Slab On Grade	(1.180)	0.0	217.0 ft(perim.)	47.2		10242 Btuh	
Floor Total					1849 sqft			10242 Btuh
		Envelope Subtotal:						
		21795 Btuh						
Infiltration		Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=		
		Natural	0.18	16641	1.00	50.0		2191 Btuh
Duct load		Extremely sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.142)						
		3397 Btuh						

All Zones	Sensible Subtotal All Zones	27384 Btuh
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WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	27384 Btuh 0 Btuh 27384 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	42000 Btuh
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (Manual Heat Transfer Multiplier)



Version 8

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 94

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

SCANNED

1. New home or, addition		1. New (From Plans)		12. Ducts, location & insulation level	
2. Single-family or multiple-family	2. Single-family	a) Supply ducts	a) Supply ducts	b) Return ducts	b) Return ducts
3. No. of units (if multiple-family)	3. 1	c) AHU location	c) AHU location		Garage
4. Number of bedrooms	4. 3				R 6.0
5. Is this a worst case? (yes/no)	5. No				R 6.0
6. Conditioned floor area (sq. ft.)	6. 1849				
7. Windows, type and area	7a. 0.330 7b. 0.220 7c. 158.0				
8. Skylights	8a. NA 8b. NA				
a) U-factor:(weighted average)					
b) Solar Heat Gain Coefficient (SHGC)					
c) Area					
9. Floor type, insulation level:	9a. 0.0 9b. 9c. 9d. 9e. 9f. 9g. 9h. 9i. 9j. 9k. 9l. 9m. 9n. 9o. 9p. 9q. 9r. 9s. 9t. 9u. 9v. 9w. 9x. 9y. 9z. 9aa. 9ab. 9ac. 9ad. 9ae. 9af. 9ag. 9ah. 9ai. 9aj. 9ak. 9al. 9am. 9an. 9ao. 9ap. 9aq. 9ar. 9as. 9at. 9au. 9av. 9aw. 9ax. 9ay. 9az. 9ba. 9bb. 9bc. 9bd. 9be. 9bf. 9bg. 9bh. 9bi. 9bj. 9bk. 9bl. 9bm. 9bn. 9bo. 9bp. 9bq. 9br. 9bs. 9bt. 9bu. 9bv. 9bw. 9bx. 9by. 9bz. 9ca. 9cb. 9cc. 9cd. 9ce. 9cf. 9cg. 9ch. 9ci. 9cj. 9ck. 9cl. 9cm. 9cn. 9co. 9cp. 9cq. 9cr. 9cs. 9ct. 9cu. 9cv. 9cw. 9cx. 9cy. 9cz. 9da. 9db. 9dc. 9dd. 9de. 9df. 9dg. 9dh. 9di. 9dj. 9dk. 9dl. 9dm. 9dn. 9do. 9dp. 9dq. 9dr. 9ds. 9dt. 9du. 9dv. 9dw. 9dx. 9dy. 9dz. 9ea. 9eb. 9ec. 9ed. 9ee. 9ef. 9eg. 9eh. 9ei. 9ej. 9ek. 9el. 9em. 9en. 9eo. 9ep. 9eq. 9er. 9es. 9et. 9eu. 9ev. 9ew. 9ex. 9ey. 9ez. 9fa. 9fb. 9fc. 9fd. 9fe. 9ff. 9fg. 9fh. 9fi. 9fj. 9fk. 9fl. 9fm. 9fn. 9fo. 9fp. 9fq. 9fr. 9fs. 9ft. 9fu. 9fv. 9fw. 9fx. 9fy. 9fz. 9ga. 9gb. 9gc. 9gd. 9ge. 9gf. 9gg. 9gh. 9gi. 9gj. 9gk. 9gl. 9gm. 9gn. 9go. 9gp. 9gq. 9gr. 9gs. 9gt. 9gu. 9gv. 9gw. 9gx. 9gy. 9gz. 9ha. 9hb. 9hc. 9hd. 9he. 9hf. 9hg. 9hh. 9hi. 9hj. 9hk. 9hl. 9hm. 9hn. 9ho. 9hp. 9hq. 9hr. 9hs. 9ht. 9hu. 9hv. 9hw. 9hx. 9hy. 9hz. 9ia. 9ib. 9ic. 9id. 9ie. 9if. 9ig. 9ih. 9ii. 9ij. 9ik. 9il. 9im. 9in. 9io. 9ip. 9iq. 9ir. 9is. 9it. 9iu. 9iv. 9iw. 9ix. 9iy. 9iz. 9ja. 9jb. 9jc. 9jd. 9je. 9jf. 9jg. 9jh. 9ji. 9jj. 9jk. 9jl. 9jm. 9jn. 9jo. 9jp. 9jq. 9jr. 9js. 9jt. 9ju. 9jv. 9jw. 9jx. 9jy. 9jz. 9ka. 9kb. 9kc. 9kd. 9ke. 9kf. 9kg. 9kh. 9ki. 9kj. 9kl. 9km. 9kn. 9ko. 9kp. 9kq. 9kr. 9ks. 9kt. 9ku. 9kv. 9kw. 9kx. 9ky. 9kz. 9la. 9lb. 9lc. 9ld. 9le. 9lf. 9lg. 9lh. 9li. 9lj. 9lk. 9ll. 9lm. 9ln. 9lo. 9lp. 9lq. 9lr. 9ls. 9lt. 9lu. 9lv. 9lw. 9lx. 9ly. 9lz. 9ma. 9mb. 9mc. 9md. 9me. 9mf. 9mg. 9mh. 9mi. 9mj. 9mk. 9ml. 9mn. 9mo. 9mp. 9mq. 9mr. 9ms. 9mt. 9mu. 9mv. 9mw. 9mx. 9my. 9mz. 9na. 9nb. 9nc. 9nd. 9ne. 9nf. 9ng. 9nh. 9ni. 9nj. 9nk. 9nl. 9nm. 9nn. 9no. 9np. 9nq. 9nr. 9ns. 9nt. 9nu. 9nv. 9nw. 9nx. 9ny. 9nz. 9oa. 9ob. 9oc. 9od. 9oe. 9of. 9og. 9oh. 9oi. 9oj. 9ok. 9ol. 9om. 9on. 9oo. 9op. 9oq. 9or. 9os. 9ot. 9ou. 9ov. 9ow. 9ox. 9oy. 9oz. 9pa. 9pb. 9pc. 9pd. 9pe. 9pf. 9pg. 9ph. 9pi. 9pj. 9pk. 9pl. 9pm. 9pn. 9po. 9pp. 9pq. 9pr. 9ps. 9pt. 9pu. 9pv. 9pw. 9px. 9py. 9pz. 9qa. 9qb. 9qc. 9qd. 9qe. 9qf. 9qg. 9qh. 9qi. 9qj. 9qk. 9ql. 9qm. 9qn. 9qo. 9qp. 9qq. 9qr. 9qs. 9qt. 9qu. 9qv. 9qw. 9qx. 9qy. 9qz. 9ra. 9rb. 9rc. 9rd. 9re. 9rf. 9rg. 9rh. 9ri. 9rj. 9rk. 9rl. 9rm. 9rn. 9ro. 9rp. 9rq. 9rr. 9rs. 9rt. 9ru. 9rv. 9rw. 9rx. 9ry. 9rz. 9sa. 9sb. 9sc. 9sd. 9se. 9sf. 9sg. 9sh. 9si. 9sj. 9sk. 9sl. 9sm. 9sn. 9so. 9sp. 9sq. 9sr. 9ss. 9st. 9su. 9sv. 9sw. 9sx. 9sy. 9sz. 9ta. 9tb. 9tc. 9td. 9te. 9tf. 9tg. 9th. 9ti. 9tj. 9tk. 9tl. 9tm. 9tn. 9to. 9tp. 9tq. 9tr. 9ts. 9tt. 9tu. 9tv. 9tw. 9tx. 9ty. 9tz. 9ua. 9ub. 9uc. 9ud. 9ue. 9uf. 9ug. 9uh. 9ui. 9uj. 9uk. 9ul. 9um. 9un. 9uo. 9up. 9uq. 9ur. 9us. 9ut. 9uu. 9uv. 9uw. 9ux				

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

Builder Signature: _____
Date: _____

Address of New Home: _____
City/FL Zip: _____, FL

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Business and Professional Regulation - Residential Performance Method

Florida Department of Business and Professional Regulation - Residential Performance Method

- 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 provision requires a test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to be tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

[illegible]

INPUT SUMMARY CHECKLIST REPORT

FORM R405-2017

PROJECT

Title: Nagy Residence
Building Type: User
Owner Name: 1
of Units: 1
Builder Name: Total Stories: 1
Worst Case: No
Rotate Angle: 0
Cross Ventilation: Whole House Fan:
Jurisdiction: Single-family
Family Type: New (From Plans)
Comment:

Address Type: Street Address
Lot #: Block/Subdivision:
PlatBook: Street:
County: City, State, Zip:
columbia, FL,

CLIMATE

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

BLOCKS

Number Name Area Volume

1 Block1 1849 16641

SPACES

Number Name Area Volume Kitchen Occupants Bedrooms Infil ID Finished Cooled Heated
1 Main 1849 16641 Yes 6 3 1 Yes Yes Yes

FLOORS

Floor Type Space Perimeter R-Value Area Tile Wood Carpet
1 Slab-On-Grade Edge Insulatio Main 217 ft 0 1849 ft² 0.33 0.33 0.34

ROOF

Type Materials Roof Gable Area Color Rad Solar SA Emitt Deck Pitch
Composition shingles 2068 ft² 0 ft² Medium N 0.85 No 0.9 No 0 26.6

ATTIC

Type Ventilation Vent Ratio (1 in) Area RBS IRCC
Full attic Vented 300 1849 ft² N N

CEILING

Ceiling Type Space R-Value Ins Type Area Framing Frac Truss Type
Under Attic (Vented) Main 30 Blown 1849 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	Absor Solar Below Grade%
---	-----	-------------	-----------	-------	----------------	-------------	--------------	------	-------------------	------------------	--------------------------

1	N	Exterior	Frame - Wood	Main	13	12	9	108.0 ft²	0.625	0.23	0.75	0
2	E	Exterior	Frame - Wood	Main	13	5	8	51.0 ft²	0.625	0.23	0.75	0
3	N	Exterior	Frame - Wood	Main	13	22	8	204.0 ft²	0.625	0.23	0.75	0
4	W	Exterior	Frame - Wood	Main	13	5	8	51.0 ft²	0.625	0.23	0.75	0
5	N	Exterior	Frame - Wood	Main	13	29	4	264.0 ft²	0.625	0.23	0.75	0
6	E	Exterior	Frame - Wood	Main	13	17	9	153.0 ft²	0.625	0.23	0.75	0
7	E	Exterior	Frame - Wood	Main	13	5	8	51.0 ft²	0.625	0.23	0.75	0
8	S	Exterior	Frame - Wood	Main	13	12	9	108.0 ft²	0.625	0.23	0.75	0
9	W	Exterior	Frame - Wood	Main	13	38	10	349.5 ft²	0.625	0.23	0.75	0
10	S	Garage	Frame - Wood	Main	13	28	4	255.0 ft²	0.625	0.23	0.75	0
11	S	Exterior	Frame - Wood	Main	13	31	9	279.0 ft²	0.625	0.23	0.75	0

DOORS

#	Omt	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
1	N	Insulated	Main	None	.46	6	6	40 ft²
2	E	Insulated	Main	None	.46	3	6	20 ft²
3	S	Insulated	Main	None	.46	3	6	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

#	Omt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Depth	Separation	Int Shade	Screening
1	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
2	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	12.0 ft²	7 ft 6 in	1 ft 4 in	None	None
3	N	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
4	S	11	Vinyl	Low-E Double	Yes	0.33	0.22	N	50.0 ft²	1 ft 6 in	1 ft 4 in	None	None
5	S	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
6	W	9	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
7	W	9	Vinyl	Low-E Double	Yes	0.33	0.22	N	6.0 ft²	1 ft 6 in	1 ft 4 in	None	None

GARAGE

#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
1	462 ft²	462 ft²	64 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqlA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1386.8	76.13	143.18	.1128	5

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump/	None	Singl	HSPF:8.5	42 kBtu/hr	1	sys#1

COOLING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
1	Central Unit/	None	Singl	SEER: 14	42 kBtu/hr	1260 cfm	0.85	1
								sys#1

HOT WATER SYSTEM

#	System Type	SubType	Location	EF	Cap	Use	SetPt	Conservation
1	Electric	None	Garage	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

#	Location	R-Value	Area	Supply	Return	Area	Leakage Type	Handler	TOT	OUT	QN	RLF	Heat	Cool
1	Attic	6	369.8 ft	Attic	92.45 ft	Prop. Leak Free	Garage	Garage	---	cfm	55.5 cfm	0.03	0.50	1

TEMPERATURES

Programable Thermostat: Y	Ceiling Fans:	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting	Heating Venting
Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan	Jan
Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb	Feb
Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar	Mar
Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr	Apr
May	May	May	May	May	May	May	May	May	May	May	May	May	May	May
Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun	Jun
Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul	Jul
Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug	Aug
Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep	Sep
Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct	Oct
Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov	Nov
Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec	Dec

Thermostat Schedule: HERS 2006 Reference	Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	80	78	80	78	78	78	78	80	78	80	78
Cooling (WEH)	AM	78	80	78	80	78	78	78	78	80	78	80	78
Heating (WD)	PM	65	68	65	68	65	65	68	68	68	68	68	68
Heating (WEH)	PM	65	68	65	68	65	65	68	68	68	68	68	68
Mass Type	Area	Thickness	Furniture Fraction	Space	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Default(8 lbs/sq. ft.	0 ft ²	0 ft	0.3	Main	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

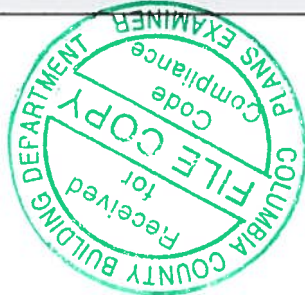
Item	Drawing Number	Truss
1	352.19.1507.49377	A01
3	352.19.1507.51340	A03
5	352.19.1507.53597	A05
7	352.19.1507.55810	A07
9	352.19.1507.57690	A09
11	352.19.1507.59680	A11
13	352.19.1508.02433	A13
15	352.19.1508.06790	A15
17	352.19.1508.10520	B01
19	352.19.1508.12477	B03
21	352.19.1508.21350	J1
23	352.19.1508.25727	J5
25	BRCLBSUB0119	
27	GBLLETIN0118	

Item	Drawing Number	Truss
2	352.19.1507.50377	A02
4	352.19.1507.52353	A04
6	352.19.1507.54700	A06
8	352.19.1507.56723	A08
10	352.19.1507.58690	A10
12	352.19.1508.00900	A12
14	352.19.1508.04237	A14
16	352.19.1508.09627	A16
18	352.19.1508.11347	B02
20	352.19.1508.19690	HJ1
22	352.19.1508.22367	J3
24	352.19.1508.31270	J7
26	A14015ENC101014	

This package contains general notes pages, 24 truss drawing(s) and 3 detail(s).

Job Engineering Criteria:	Design Code: FBC 2017 RES	Wind Standard: ASCE 7-10	Building Type: Closed
	IntellVIEW Version: 18.02.01B	Wind Speed (mph): 130	
	JRef #: 1WR52150003	Roof Load (psf): 20.00-10.00-0.00-10.00	Floor Load (psf): None

Site Information:	Customer: W. B. Howland Company, Inc.	Job Number: 19-3823	Page 1:
	Job Description: Nagy Residence /SPARKS CONST.		
	Address: Lake City, FL		



SCANNED



COA #0 278
12/19/2019



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

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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:

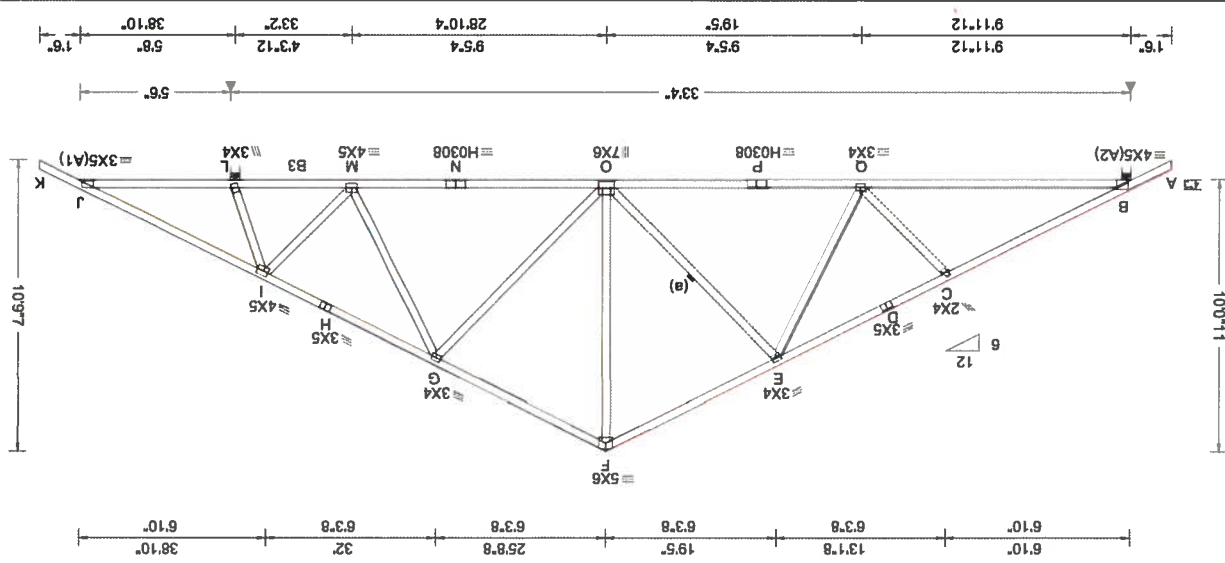
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

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, TCDDL, 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 all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.
Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for 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 identified 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:

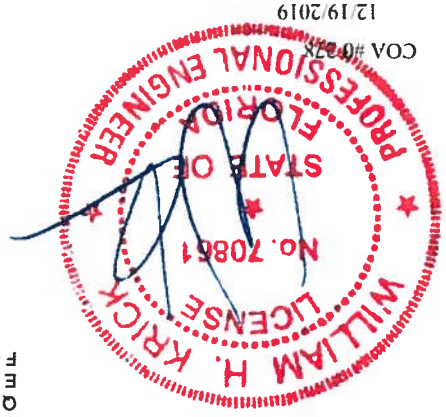
1. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
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.



Loading Criteria (psf)	TCLL: 20.00	Wind Std: ASCE 7-10	Wind Criteria	Wind Duration: 1.60	WAVE, HS Plate Type(s): FT/RT: 20(s)/10(o) Rep Fac: Yes TPI Std: 2014 Bldg Code: FBC 2017 RES	Code / Misc Criteria Snow Duration: NA Lf: NA Cs: NA Pt: NA Ce: NA Pg: NA Ct: NA CAT: NA	Snow Criteria (Pg, Pt in PSF)	Def/CSI Criteria PP Deflection in Loc L/Def L/# VERT(LL): 0.104 Q 999 240 VERT(TL): 0.201 Q 999 180 HORZ(LL): 0.032 M - HORZ(TL): 0.065 L - Creep Factor: 2.0 Max TC CSI: 0.827 Max BC CSI: 0.841 Max Web CSI: 0.740	VIEW Ver: 18.02.01B.0321.08
	TCDL: 10.00 BCLL: 0.00 BCBL: 10.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.88 ft Loc. from endwall: not in 9.00 ft GCPl: 0.18 Wind Duration: 1.60							

Maximum Bot Chord Forces Per Ply (lbs)					
D - E	513	-2334	H - I	265	-1222
E - F	415	-1514	I - J	817	-633
Chords Tens.Comp.					
B - Q	2317	-352	N - M	1271	-129
Q - P	1809	-209	M - L	545	-330
O - N	1271	-129	L - J	672	-656
Webs Tens.Comp.					
Q - E	608	-88	G - M	316	-711
E - O	239	-770	M - I	1256	-318
F - O	887	-186	I - L	643	-2155

(a) Continuous lateral restraint equally spaced on member.
Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Wind
Wind loads based on MWFRS with additional C&C member design.
Right cantilever is exposed to wind
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-0" to 11'-0"

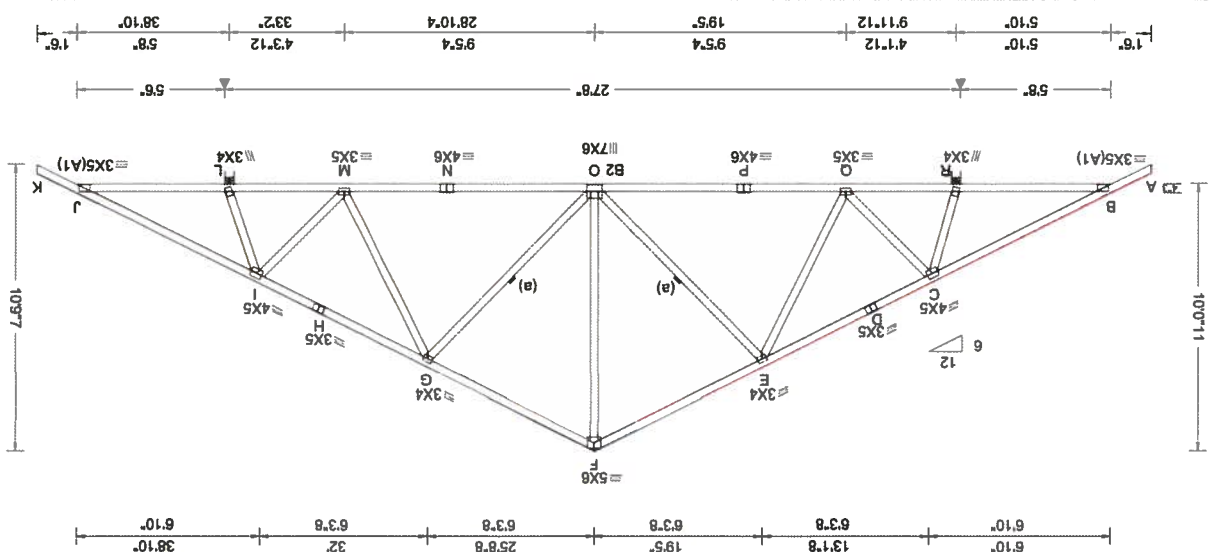


WARNING-- READ AND FOLLOW ALL NOTES ON THIS DRAWING!
NOTE-- ELBISH THIS DRAWING TO ALL CONTRACTORS INCLUDING

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20

Cust: R 215 JRef: 1WR52150003 T8
DrwNo: 352.19.1507.50377
SSB / WHK 12/18/2019



VIEW Ver: 18.02.01B.0321.08	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: h to 2h C&C Dist a: 3.88 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60		Loading Criteria (psf) TCdL: 20.00 TCdL: 10.00 BCdL: 0.00 BCdL: 10.00 NCBCLL: 10.00 Sofft: 2.00 Load Duration: 1.25 Spacing: 24.0 "	
	Code / Misc Criteria Pg: NA Ct NA CAT: NA Pt: NA Cs: NA Ln: NA Snow Duration: NA HORIZ(L): 0.012 E HORIZ(T): 0.024 E Creep Factor: 2.0 Max TC GC CSI: 0.828 Max BC CSI: 0.748 Max Web CSI: 0.608		Dem/CSI Criteria PP Deflection in Loc L/Defl L/# VERT(LL): 0.032 O 999 240 VERT(CL): 0.063 O 999 180 HORIZ(LL): 0.012 E HORIZ(TL): 0.024 E	

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

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

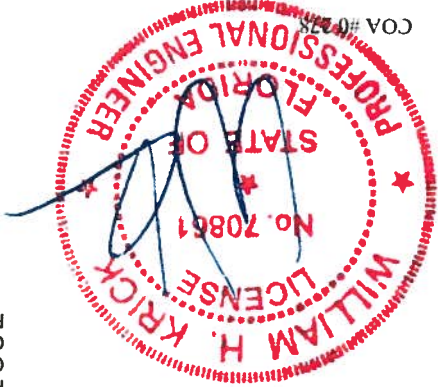
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-0-11.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING T

For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TFI: www.tfihsa.com; SCSA: www.scsa.com; www.sbdindustry.com; ICC: www.iccsafe.org

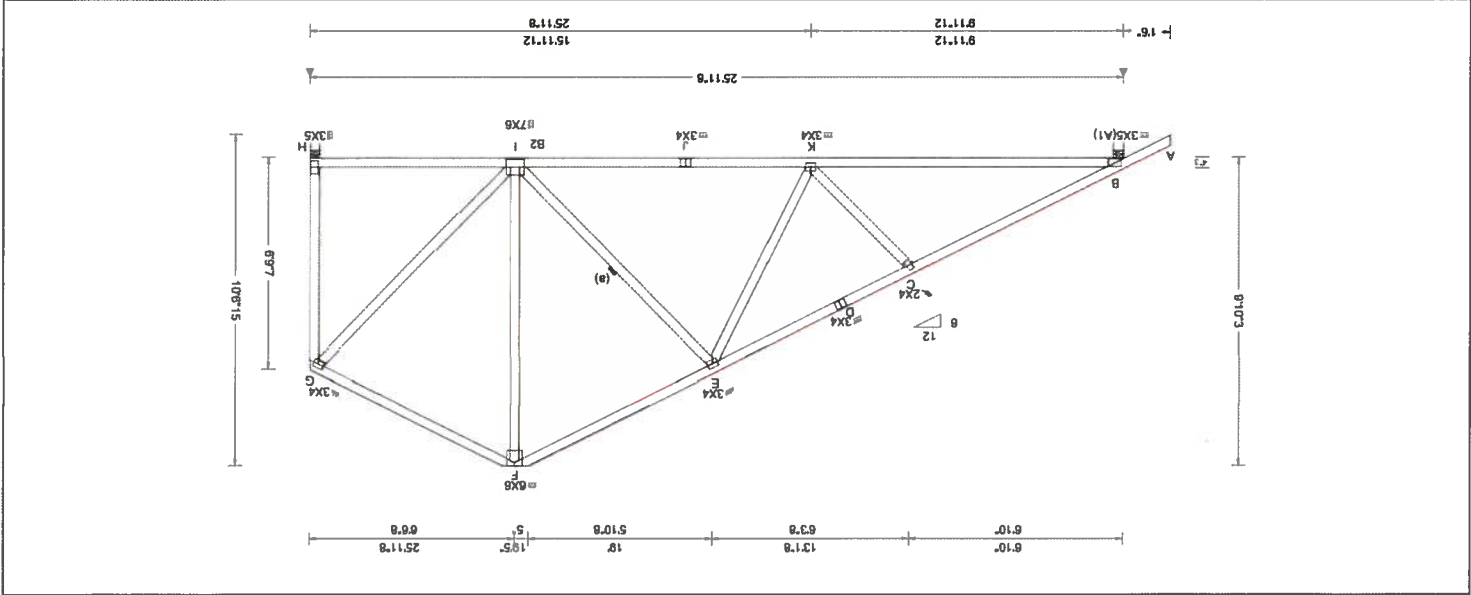
12/19/2019

COA # 0278



Maximum Bot Chord Forces Per Ply (lbs)		Chords Tens. Comp.		Maximum Web Forces Per Ply (lbs)		Webs Tens. Comp.	
B - R	678	- 660	O - N	904	- 87	P - O	888
R - Q	548	- 360	N - M	904	- 87	Q - P	888
Q - R	418	- 299	M - L	549	- 352	R - Q	430
F - O	430	- 42	L - J	672	- 656	F - O	430
R - C	595	- 1861	G - M	304	- 536	R - C	595
Q - E	1088	- 299	M - I	1030	- 282	Q - E	1088
F - O	430	- 42	I - L	596	- 1862	F - O	430

▲ Maximum Reactions (lbs)	
Gravity	Loc R+ / R- / Rh
Non-Gravity	/ RW / U / RL
R	1898 - / - /
Wind reactions based on MWFRS	1878 - / - /
R Brg Width = 4.0	1/194 /72 - /
R Brg Width = 4.0	1/209 /76 - /
Min Req = 1.9	
Min Req = 1.8	
Bearings R & L are a rigid surface.	
Members not listed have forces less than 375#	
Maximum Top Chord Forces Per Ply (lbs)	
Chords Tens.Comp.	
B-C	822 - 640
C-D	162 - 870
D-E	182 - 804
E-F	248 - 1005
F-G	
G-H	
H-I	
I-J	
-633	817 -



Loading Criteria (psf)		Wind Criteria		Snow Criteria (pg, pf in psf)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCCL: 20.00	Wind Std: ASCE 7-10	Wind Duration: 1.60	Wind Criteria	PG: NA	CT: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
BCDL: 10.00	Enclosure: Closed	Speed: 130 mph	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
BCDL: 10.00	Risk Category: II	Wind Std: ASCE 7-10	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
Des Ld: 40.00	EXP: C Kzt: NA	Mean Height: 15.00 ft	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
NCBCLL: 10.00	TCCL: 5.0 psf	BCDL: 5.0 psf	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
Softlt: 2.00	BCDL: 5.0 psf	BCDL: 5.0 psf	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	C&C Dist a: 3.00 ft	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity
Spacing: 24.0 "	Loc: from endwall: not in 9.00 ft	GCP: 0.18	Wind Criteria	Lu: NA	Cs: NA	CE: NA	PF: NA	Loc R+ / R- / Rh / Rw / U / RL	Gravity / Non-Gravity

Lumber		Bracing		Wind		Additional Notes	
Top chord: 2x4 SP #2:	Web: 2x4 SP #3:	(a) Continuous lateral restraint equally spaced on member.	Wind loads based on MWFRS with additional C&C member design.	Right end vertical not exposed to wind pressure.	Refer to General Notes for additional information	The overall height of this truss excluding overhang is 9'-10.3."	
VIEW Ver: 18.02.01B.0321.08		VIEW Ver: 18.02.01B.0321.08		VIEW Ver: 18.02.01B.0321.08		VIEW Ver: 18.02.01B.0321.08	
D - E 324 - 1469		D - E 324 - 1469		D - E 324 - 1469		D - E 324 - 1469	
C - D 304 - 1532		C - D 304 - 1532		C - D 304 - 1532		C - D 304 - 1532	
B - C 337 - 1817		B - C 337 - 1817		B - C 337 - 1817		B - C 337 - 1817	
K - J 1061 - 283		K - J 1061 - 283		K - J 1061 - 283		K - J 1061 - 283	
J - I 1061 - 283		J - I 1061 - 283		J - I 1061 - 283		J - I 1061 - 283	
I - G 802 - 180		I - G 802 - 180		I - G 802 - 180		I - G 802 - 180	
G - H 294 - 1012		G - H 294 - 1012		G - H 294 - 1012		G - H 294 - 1012	
E - I 223 - 706		E - I 223 - 706		E - I 223 - 706		E - I 223 - 706	
K - E 585 - 90		K - E 585 - 90		K - E 585 - 90		K - E 585 - 90	
C - K 156 - 386		C - K 156 - 386		C - K 156 - 386		C - K 156 - 386	
Webs Tens.Comp.		Webs Tens.Comp.		Webs Tens.Comp.		Webs Tens.Comp.	
Maximum Web Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Chords Tens.Comp.		Chords Tens.Comp.		Chords Tens.Comp.		Chords Tens.Comp.	
Maximum Bot Chord Forces Per Ply (lbs)		Maximum Bot Chord Forces Per Ply (lbs)		Maximum Bot Chord Forces Per Ply (lbs)		Maximum Bot Chord Forces Per Ply (lbs)	
Chords Tens.Comp.		Chords Tens.Comp.		Chords Tens.Comp.		Chords Tens.Comp.	
Maximum Top Chord Forces Per Ply (lbs)		Maximum Top Chord Forces Per Ply (lbs)		Maximum Top Chord Forces Per Ply (lbs)		Maximum Top Chord Forces Per Ply (lbs)	
Chords Tens.Comp.		Chords Tens.Comp.		Chords Tens.Comp.		Chords Tens.Comp.	
Members not listed have forces less than 375#		Members not listed have forces less than 375#		Members not listed have forces less than 375#		Members not listed have forces less than 375#	
Bearings B & H are a rigid surface.		Bearings B & H are a rigid surface.		Bearings B & H are a rigid surface.		Bearings B & H are a rigid surface.	
B Brg Width = 4.0		B Brg Width = 4.0		B Brg Width = 4.0		B Brg Width = 4.0	
H Brg Width = 3.5		H Brg Width = 3.5		H Brg Width = 3.5		H Brg Width = 3.5	
Min Req = 1.5		Min Req = 1.5		Min Req = 1.5		Min Req = 1.5	
Wind reactions based on MWFRS		Wind reactions based on MWFRS		Wind reactions based on MWFRS		Wind reactions based on MWFRS	
B 1179 /- /- /753 /37 /215		B 1179 /- /- /753 /37 /215		B 1179 /- /- /753 /37 /215		B 1179 /- /- /753 /37 /215	
H 1059 /- /- /587 /29 /-		H 1059 /- /- /587 /29 /-		H 1059 /- /- /587 /29 /-		H 1059 /- /- /587 /29 /-	
Loc R+ / R- / Rh / Rw / U / RL		Loc R+ / R- / Rh / Rw / U / RL		Loc R+ / R- / Rh / Rw / U / RL		Loc R+ / R- / Rh / Rw / U / RL	

12/19/2019

COA #0278

WILLIAM H. KRICK
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 70861

12/19/2019

****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 IPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have bracing installed and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of truss and position as shown above and on the joint Details. 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 or failure to build the truss in accordance with ANSI/P1.1, 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/P1.1 Sec.2.

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

6750 Forum Drive
Suite 305
Orlando FL, 32821

ALPINE
A DIVISION OF ITW BUILDING COMPONENTS GROUP INC.

Cust: R 215 JRef: 1WR52150003 T25
DwnNo: 352.19.1507.54700
SSB / WHK 12/18/2019

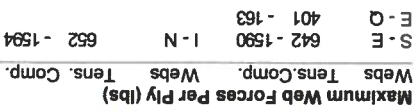
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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS1 (Building Component Specification) information. By B1 and SCSA (for safety practices prior to performing these functions, installers shall provide temporary bracing per BCS1). Unless noted otherwise, all chord shall have properly attached structural sheathing and bottom chord shall have a properly applicable. Locations shown for permanent lateral restraint or webs shall have bracing installed per BCS1 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 1-600-A-2 for standard plate positions.

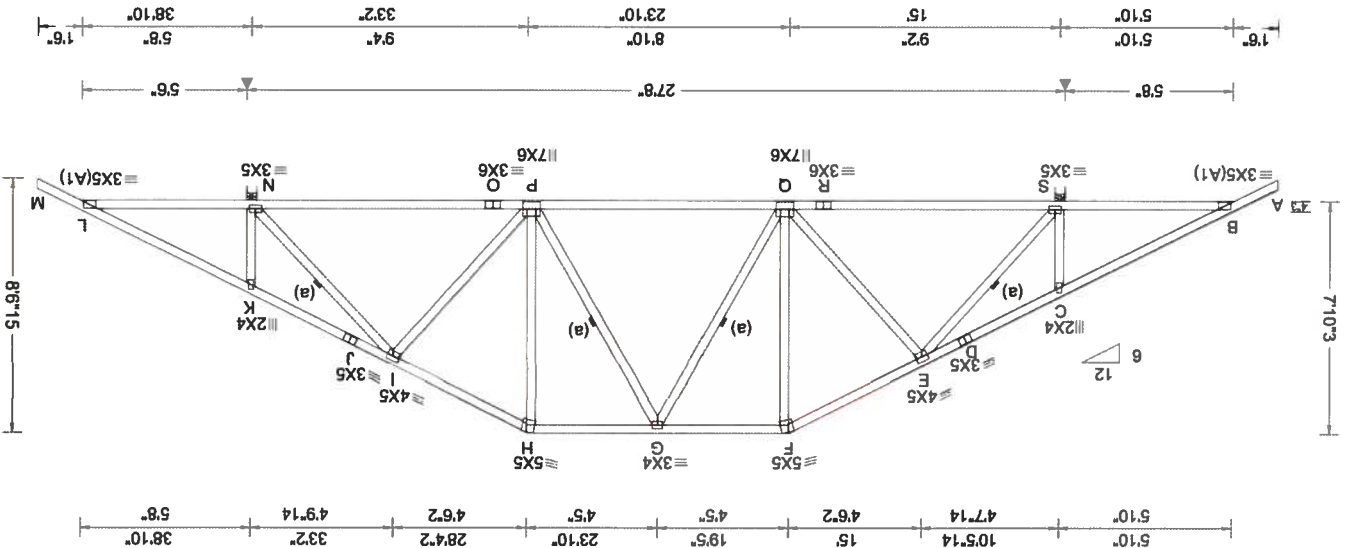
Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with AIA/ITP 1 for handling, shipping, installation and bracing of trusses, seal on this drawing or cover page listing this drawing, and/or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

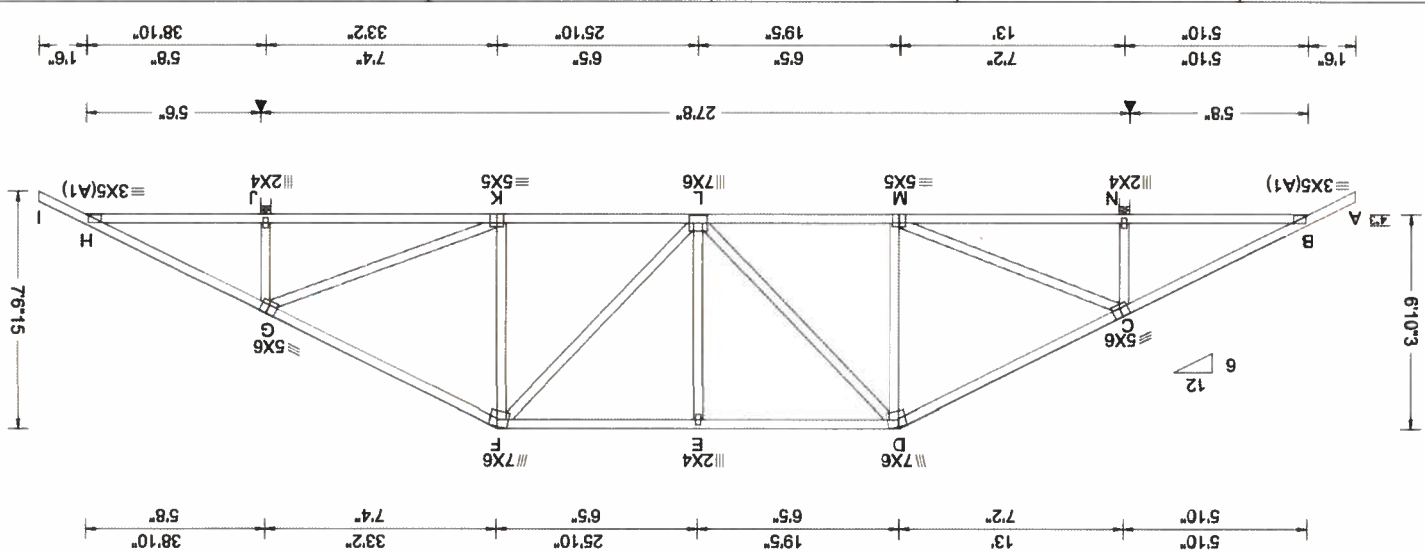
For more information see this job's general notes page and the web sites ALPINE, www.alpineinc.com, ITI, www.itiinc.org, SBCA, www.sbcdnstrty.com, ICC, www.iccsa.org

COA #0278



▲ Maximum Reactions (lbs)		Gravity		Non-Gravity	
Loc R +	/ R -	/ R h	/ R w	/ U	/ R l
S	1749 / -	- / -	1/1210 / 89	1/198 / 87	- / -
N	1730 / -	- / -	1/198 / 87	1/198 / 87	- / -
Wind reactions based on MWFRS					
S	Brg Width = 4.0	Min Req = 1.7			
N	Brg Width = 4.0	Min Req = 1.7			
Bearings S & N 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.					





Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg 91 in PSF)		Code / Misc Criteria		VIEW Ver: 18.02.01B.0321.08	
TCLL: 20.00	Wind Std: ASCE 7-10	Wind Std: ASCE 7-10	Wind Duration: 1.60	Pg: NA	Ct: NA	CAT: NA	VERT(LL): 0.040 E 999 240	B - C	765 - 647
TCDL: 10.00	Speed: 130 mph	Speed: 130 mph	Gcpl: 0.18	Pt: NA	Cs: NA	Ce: NA	HORZ(TL): 0.008 D - - -	C - D	269 - 952
BCLL: 0.00	Enclosure: Closed	Enclosure: Closed	Loc. from endwall: not in 9.00 ft	Lv: NA	Cs: NA	Ce: NA	Max Web CSI: 0.628	D - E	304 - 989
BCDL: 10.00	Risk Category: II	Risk Category: II	C&C Dist a: 3.88 ft	FT/RT: 20(0)/10(0)	Rep Fac: Yes	TP1 Std: 2014	Max BC CSI: 0.498	M - L	764 - 100
Des Ld: 40.00	Mean Height: 15.00 ft	Mean Height: 15.00 ft	MWFRS Parallel Dist: h/2 to h	Bldg Code: FBC 2017 RES	Rep Fac: Yes	TP1 Std: 2014	Max TC CSI: 0.813	N - M	636 - 580
NCBCLL: 10.00	TCDL: 5.0 psf	TCDL: 5.0 psf	BCDL: 5.0 psf	Creep Factor: 2.0	Creep Factor: 2.0	Creep Factor: 2.0	HORZ(TL): 0.018 D - - -	B - N	678 - 606
Soffit: 2.00	BC&C Dist a: 3.88 ft	BC&C Dist a: 3.88 ft	Loc. from endwall: not in 9.00 ft	Max Web CSI: 0.628	Max BC CSI: 0.498	Max TC CSI: 0.813	Max Web CSI: 0.628	C - M	297 - 383
Load Duration: 1.25	Wind Std: ASCE 7-10	Wind Std: ASCE 7-10	Wind Std: ASCE 7-10	Max Web CSI: 0.628	Max BC CSI: 0.498	Max TC CSI: 0.813	Max Web CSI: 0.628	D - L	433 - 189
Spacing: 24.0 "	Wind Std: ASCE 7-10	Wind Std: ASCE 7-10	Wind Std: ASCE 7-10	Max Web CSI: 0.628	Max BC CSI: 0.498	Max TC CSI: 0.813	Max Web CSI: 0.628	N - C	641 - 1586

Lumber		Wind		Maximum Bot Chord Forces Per Ply (lbs)		Maximum Top Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Top chord: 2x4 SP #2;	Bot chord: 2x4 SP #2;	Wind loads based on MWFRS with additional C&C member design.	Left and right cantilevers are exposed to wind	B - C	765 - 647	B - C	765 - 647	Maximum Web Forces Per Ply (lbs)	Maximum Web Forces Per Ply (lbs)
Web: 2x4 SP #3;	Web: 2x4 SP #3;	Refer to General Notes for additional information	The overall height of this truss excluding overhang is	C - D	269 - 952	C - D	269 - 952	Maximum Web Forces Per Ply (lbs)	Maximum Web Forces Per Ply (lbs)
6-10-3.	6-10-3.			D - E	304 - 989	D - E	304 - 989	Maximum Web Forces Per Ply (lbs)	Maximum Web Forces Per Ply (lbs)

12/19/2019

COA #0278

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

No. 70861

LICENSE

WILLIAM H. KRICK

12/19/2019

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

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

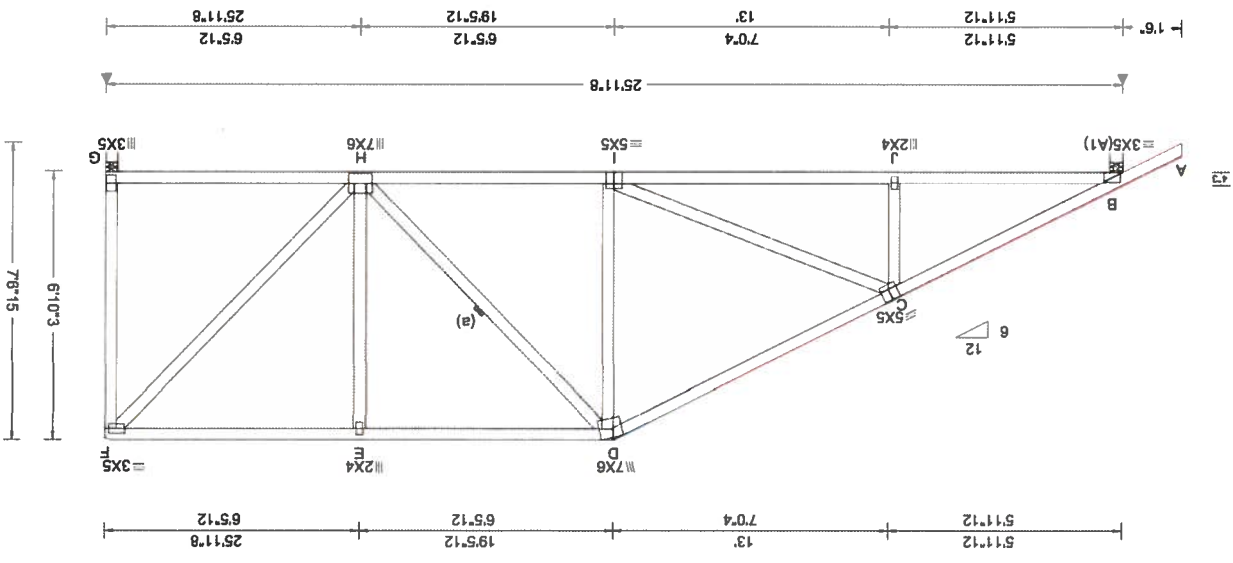
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

6750 Forum Drive
Suite 305
Orlando FL, 32821

ALPINE
A DIVISION OF ITW COMPANY



Loading Criteria (psf)		Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;
Bracing		(a) Continuous lateral restraint equally spaced on member.
Wind		Wind loads based on MWFRS with additional C&C member design.
Additional Notes		Right end vertical not exposed to wind pressure.
Refer to General Notes for additional information		The overall height of this truss excluding overhang is 6'-10.3".

Lumber		Top chord: 2x4 SP #2;		Bot chord: 2x4 SP #2;		Webs: 2x4 SP #3;		Bracing		(a) Continuous lateral restraint equally spaced on member.		Wind		Wind loads based on MWFRS with additional C&C member design.		Right end vertical not exposed to wind pressure.					
C - D	320 - 1313	E - F	245 - 836	Maximum Bot Chord Forces Per Ply (lbs)				Maximum Web Forces Per Ply (lbs)				Webs Tens.Comp.				Webs Tens.Comp.					
B - J	1650 - 515	I - H	1086 - 341																		
J - I	1647 - 516																				
C - I		H - F		D - I		F - G		E - H		C - D		H - F		D - I		F - G		E - H			
190 - 610		1189 - 348		455 - 54		322 - 1006		177 - 452		190 - 610		1189 - 348		455 - 54		322 - 1006		177 - 452			

12/19/2019

COA #0278

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

WILLIAM H. KRICK

LICENSE

NO. 70861

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

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

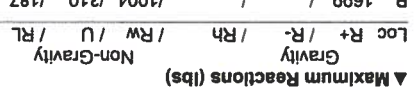
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and SBCCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

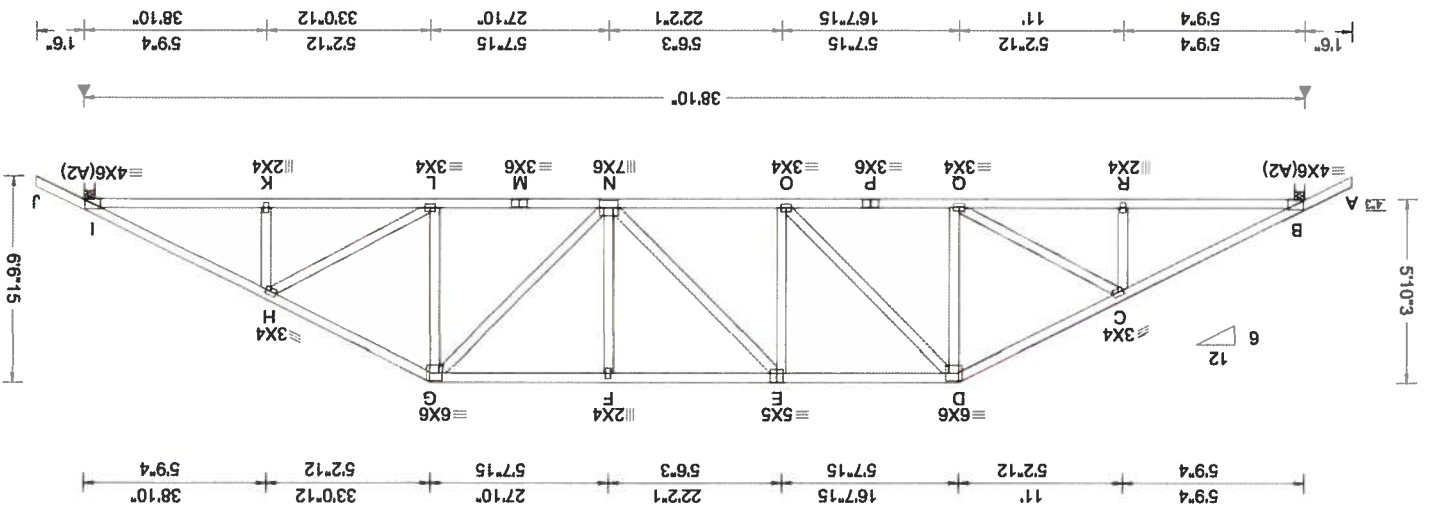
For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com, TPI: www.tpi.org, SBCCA: www.sbccanet.org, ICC: www.iccsafe.org

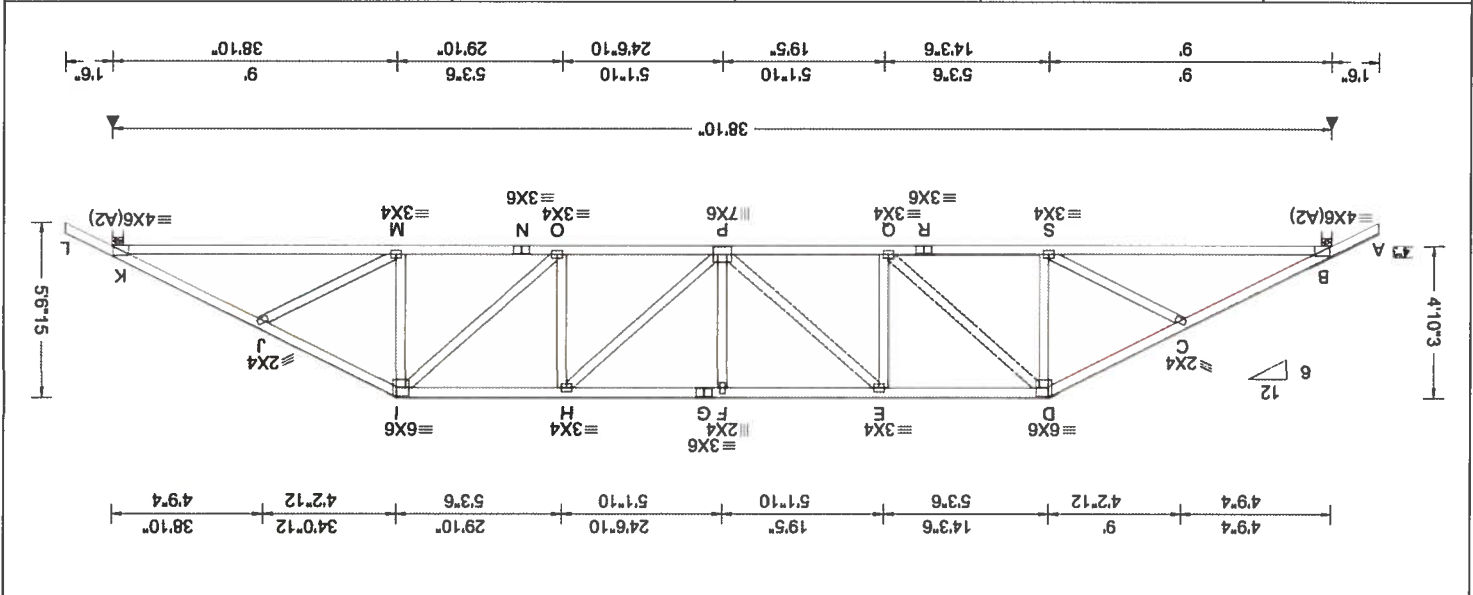
6750 Forum Drive
Suite 305
Orlando FL, 32821

COA 0278



VIEW Ver: 18.02.01B.0321.08	Wind Criteria TCDL: 20.00 BCLL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Softt: 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: h/2 to h C&C Dist a: 3.88 ft Loc. from endwall: not in 9.00 ft GCP: 0.18 Wind Duration: 1.60	
	Diff/CSI Criteria PP Deflection in Loc L/def L/# VERT(LL): 0.206 F 999 240 VERT(CL): 0.418 F 999 180 HORZ(LL): 0.077 K - HORZ(TL): 0.157 K - Creep Factor: 2.0 Max TC CSI: 0.438 Max BC CSI: 0.793 Max Web CSI: 0.290		Code / Misc Criteria RES Bldg Code: FBC 2017 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	





Loading Criteria (psf)		Wind Criteria		Deft/CSI Criteria	
TCLL: 20.00	Wind Sid: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	Ce: NA
TCDL: 10.00	Speed: 130 mph	Pf: NA	Cs: NA	Lu: NA	Cs: NA
BCLL: 0.00	Enclosure: Closed	EXP: C	Kzt: NA	Horz(TL): 0.083 M	-
Des Ld: 40.00	Mean Height: 15.00 ft	TCDL: 5.0 psf	BCDL: 5.0 psf	Creep Factor: 2.0	-
NCBCLL: 10.00	MWFRS Parallel Dist: h/2 to h	Loc. from endwall: not in 9.00 ft	GCPI: 0.18	Max Web CSI: 0.361	-
Sofft: 2.00	C&C Dist a: 3.88 ft	Wind Duration: 1.60	WAVE	Max BC CSI: 0.896	-
Load Duration: 1.25	Spacing: 24.0 "			Max TC CSI: 0.381	-

Lumber		Wind		Additional Notes	
Top chord: 2x4 SP #2;	Web: 2x4 SP #3;	Wind loads based on MWFRS with additional C&C member design.	Refer to General Notes for additional information	4-10-3:	The overall height of this truss excluding overhang is
TCDL: 10.00	BCDL: 0.00	Des Ld: 40.00	NCBCLL: 10.00	Sofft: 2.00	Load Duration: 1.25
Spacing: 24.0 "					

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 or 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 and use of this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability 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.alpinetw.com; TPI: www.tpi.org; SB(CA): www.sbdindustry.com; ICC: www.iccsafe.org

Orlando FL, 32821

6750 Forum Drive
Suite 305

ALPINE
NORTH COUNTY

COA #0228
12/19/2019

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 70861
WILLIAM H. KRICK
LICENSE

Maximum Bot Chord Forces Per Ply (lbs)

B - S	2613	- 624	P - O	3145	- 715
S - R	2402	- 502	O - N	2402	- 531
R - Q	2402	- 502	N - M	2402	- 531
Q - P	3146	- 705	M - K	2613	- 653

Maximum Web Forces Per Ply (lbs)

D - Q	948	- 269	H - O	188	- 535
Q - E	188	- 535	O - I	948	- 269

Maximum Top Chord Forces Per Ply (lbs)

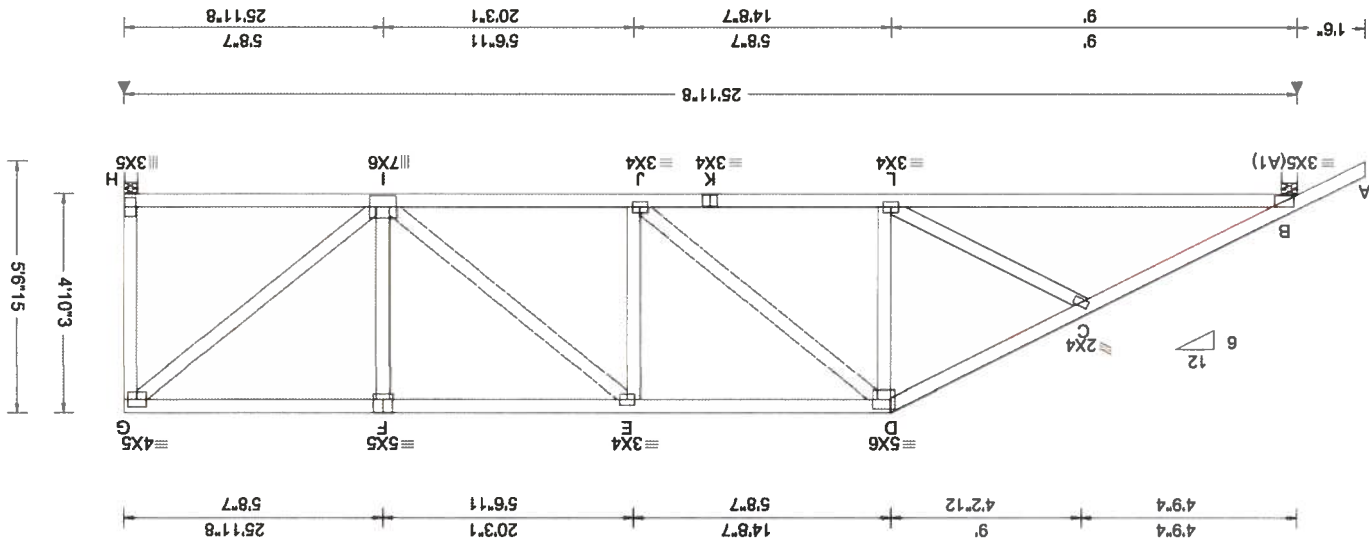
B - C	813	- 2993	G - H	945	- 3368
C - D	756	- 2739	H - I	890	- 3112
D - E	890	- 3112	I - J	755	- 2739
E - F	945	- 3368	J - K	813	- 2993
F - G	945	- 3368			

Maximum Reactions (lbs)

Loc R +	/ R -	/ Rh	/ Rw	/ U	/ RL
B	1699	-	-	/980	/312
K	1699	-	-	/980	/312

Gravity

Non-Gravity



Loading Criteria (psf)		TCCL: 20.00	Wind Sid: ASCE 7-10	Speed: 130 mph	Enclosure: Closed	Risk Category: II	EXP: C Kzt: NA	Des Ld: 40.00	BCDL: 10.00	NCBCLL: 10.00	Soffit: 2.00	Load Duration: 1.25	Spacing: 24.0 "
Wind Criteria		Loc: from endwall: not in 9.00 ft C&C Dist a: 3.00 ft MWFRS Parallel Dist: h/2 to h BCDL: 5.0 psf TCCL: 5.0 psf Mean Height: 15.00 ft											
Code / Misc Criteria		Snow Duration: NA Pg: NA C: NA CAT: NA Pt: NA Ce: NA Lu: NA Cs: NA Bldg Code: FBC 2017 RES Rep Fac: Yes TPI Sid: 2014 FT/RT: 20(0)/10(0) Plate Type(s):											
Defl/CSI Criteria		VIEW Ver: 18.02.01B.0321.08 PP Deflection in loc L/def L/# VERT(LL): 0.068 J 999 240 VERT(UL): 0.138 J 999 180 HORZ(LL): 0.024 I - - HORZ(UL): 0.049 I - - Creep Factor: 2.0 Max TC CSI: 0.479 Max BC CSI: 0.787 Max Web CSI: 0.534											
Maximum Reactions (lbs)		Non-Gravity Loc R+ / R- / Rh / RW / U / RL B 1179 /- /- /725 /206 /150 H 1059 /- /- /551 /207 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.											
Maximum Bot Chord Forces Per Ply (lbs)		Chords Tens.Comp. Chords Tens. Comp. D - E 428 -1508 C - D 476 -1883 B - C 425 -1613 E - F 301 -1086 F - G 301 -1086											
Maximum Web Forces Per Ply (lbs)		Chords Tens.Comp. Chords Tens. Comp. L - K 1394 -419 J - I 1508 -429 K - J 1630 -532 I - G 1390 -385 G - H 311 -1013 E - I 167 -552 F - I 156 -382											

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-10.3."



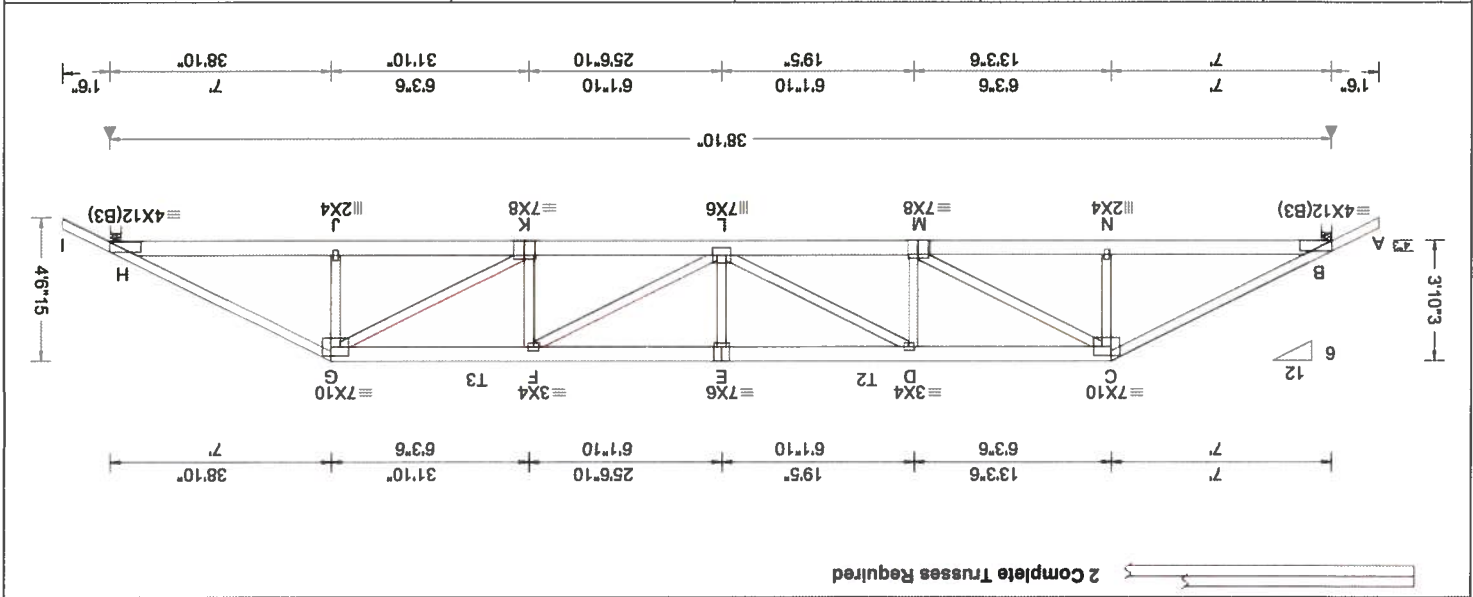
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING

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 IPI and SBCEA 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 responsibility solely for the design shown. The suitability and use of this drawing indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this drawing indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this drawing indicates acceptance of professional engineering responsibility for the design shown.

For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com, TPI: www.tpiinst.org, SBCEA: www.sbdindustry.com, ICC: www.iccsafe.org

Orlando FL, 32821
Suite 305
6750 Forum Drive
ALPINE
A DIVISION OF ITW BUILDING COMPONENTS GROUP INC.



Loading Criteria (psf)		Wind Criteria		Additional Notes	
TCLL: 20.00	TCDL: 10.00	Wind Std: ASCE 7-10	Speed: 130 mph	Enclosure: Closed	Risk Category: II
BCLL: 0.00	BCDL: 10.00	EXP: C Kzt: NA	Mean Height: 15.00 ft	TCDL: 5.0 psf	BCDL: 5.0 psf
NCBCLL: 0.00	Des Ld: 40.00	Loc. from endwall: not in 9.00 ft	GCpf: 0.18	Wind Duration: 1.60	
Soffit: 2.00	Load Duration: 1.25	C&C Dist a: 3.88 ft			
Spacing: 24.0 "					

Lumber
 Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400F-2.0E;
 Bot chord: 2x6 SP 2400F-2.0E;
 Webs: 2x4 SP #3;

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

Special Loads
 (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 62 pft at 7.00 to 31 pft at 31.83
 TC: From 31 pft at 7.00 to 62 pft at 31.83
 TC: From 62 pft at 31.83 to 40.33
 BC: From 4 pft at 0.00 to 20 pft at 7.03
 BC: From 20 pft at 7.03 to 10 pft at 31.80
 BC: From 10 pft at 31.80 to 20 pft at 38.83
 BC: From 4 pft at 38.83 to 40.33
 TC: 260 lb Conc. Load at 7.03,31.80
 TC: 187 lb Conc. Load at 9.06,11.06,13.06,15.06
 BC: 462 lb Conc. Load at 7.03,31.80
 BC: 129 lb Conc. Load at 9.06,11.06,13.06,15.06
 17.06,19.06,19.77,21.77,23.77,25.77,27.77,29.77

Wind
 Wind loads and reactions based on MWFRS.

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

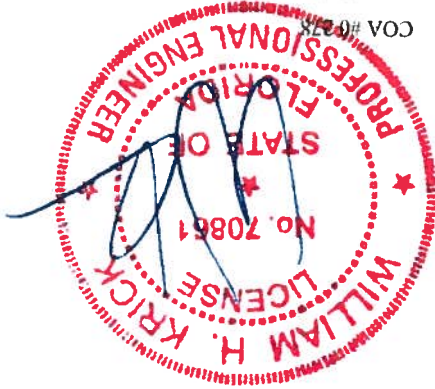
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 For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com, TPI: www.tpinetw.org, SBCA: www.sbcdindustry.com, ICC: www.iccsafe.org



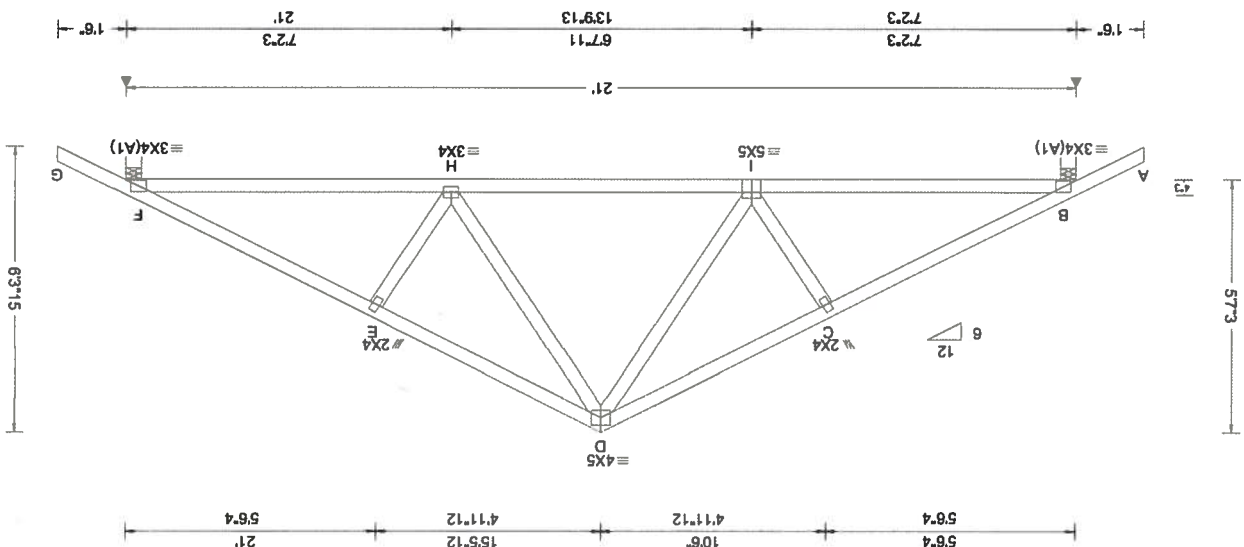
SEQN: 307763	HIPM	Qty: 1	Job Number: 19-3823	Cust: R 215	JR#1: 1WR52150003	DM#0: 352.19, 1508.09627	SSB / WHK	12/18/2019
FROM: CDM		Qty: 1	/Nagy Residence /SPARKS CONST.					
			Truss Label: A16					

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

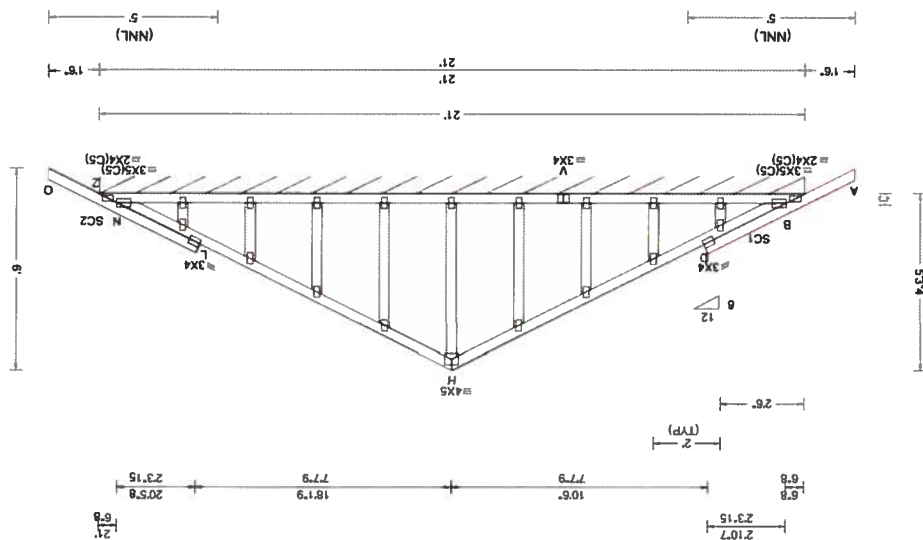
COA # 278



VIEW Ver: 18.02.01B.0321.08	LOADING Criteria (psf) TCL: 20.00 TCDL: 10.00 BCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Softt: 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 TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCPI: 0.18 Wind Duration: 1.60	
	SNOW Criteria (Pg.17 in PSF) Pg. NA C: NA CAT. NA Pt. NA Ce: NA L: NA Cs: NA Snow Duration: NA		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FRT/RT: 20(0)/10(0) Plate Type(s): WAVE	
DEFT/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.045 H 999 240 VERT(CL): 0.091 H 999 180 HORZ(LL): 0.018 H - HORZ(TL): 0.036 H - Creep Factor: 2.0 Max TC CSI: 0.268 Max BC CSI: 0.546 Max Web CSI: 0.171				



SEQN: 307766	FROM: CDM	GABL	Qty: 1	Ply: 1	Job Number: 19-3823	Nagy Residence /SPARKS CONST.	Truss Label: B03	Cust: R 215 JRef: IWR52150003 T10	Dwno: 352.19.1508.12477	SSB / WHK 12/16/2019
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Loading Criteria (psf)		Wind Criteria		Code / Misc Criteria		Deft/CSI Criteria		VIEW Ver: 18.02.01B.0321.08	
TCLL: 20.00	Wind Sid: ASCE 7-10	Wind Duration: 1.60	Wave	Snow Criteria (Pg. Pf in PSF)	Plate Type(s):	Deft/CSI Criteria	VIEW Ver: 18.02.01B.0321.08	Max Web CSI: 0.080	Members not listed have forces less than 375#
TCDL: 10.00	Speed: 130 mph	GCPI: 0.18	FT/RT: 20(0)/10(0)	Lu: NA Cs: NA	Rep Fac: Varies by Ld Case	Max BC CSI: 0.048	Max TC CSI: 0.418	Max BC CSI: 0.048	Members not listed have forces less than 375#
BCLL: 0.00	Enclosure: Closed	Loc. from endwall: Any	Bidg Code: FBC 2017 RES	Pf: NA Ce: NA	TPI Sid: 2014	Creep Factor: 2.0	Creep Factor: 2.0	Creep Factor: 2.0	Members not listed have forces less than 375#
Des Ld: 40.00	Risk Category: II	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)	Snow Duration: NA	Rep Fac: Varies by Ld Case	HORZ(TL): 0.003 L	HORZ(TL): 0.003 L	HORZ(TL): 0.003 L	Members not listed have forces less than 375#
BCDL: 10.00	EXP: C Kzt: NA	MWFRS Parallel Dist: 0 to h/2	FT/RT: 20(0)/10(0)	Pg: NA Ct: NA CAT: NA	Rep Fac: Varies by Ld Case	VERT(CL): 0.004 L	VERT(CL): 0.004 L	VERT(CL): 0.004 L	Members not listed have forces less than 375#
NCBCLL: 10.00	TCDD: 5.0 psf	BCDL: 5.0 psf	TCDD: 5.0 psf	Lu: NA Cs: NA	Rep Fac: Varies by Ld Case	VERT(CL): 0.004 L	VERT(CL): 0.004 L	VERT(CL): 0.004 L	Members not listed have forces less than 375#
Sofft: 2.00	Mean Height: 15.00 ft	TCDD: 5.0 psf	TCDD: 5.0 psf	Pf: NA Ce: NA	Rep Fac: Varies by Ld Case	VERT(CL): 0.004 L	VERT(CL): 0.004 L	VERT(CL): 0.004 L	Members not listed have forces less than 375#
Load Duration: 1.25	Wind Duration: 1.60	GCPI: 0.18	GCPI: 0.18	Snow Duration: NA	Rep Fac: Varies by Ld Case	VERT(CL): 0.004 L	VERT(CL): 0.004 L	VERT(CL): 0.004 L	Members not listed have forces less than 375#
Spacing: 24.0 "	Wind Duration: 1.60	GCPI: 0.18	GCPI: 0.18	Snow Duration: NA	Rep Fac: Varies by Ld Case	VERT(CL): 0.004 L	VERT(CL): 0.004 L	VERT(CL): 0.004 L	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.

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

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

Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & 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 notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

The overall height of this truss excluding overhang is 5-3-4.



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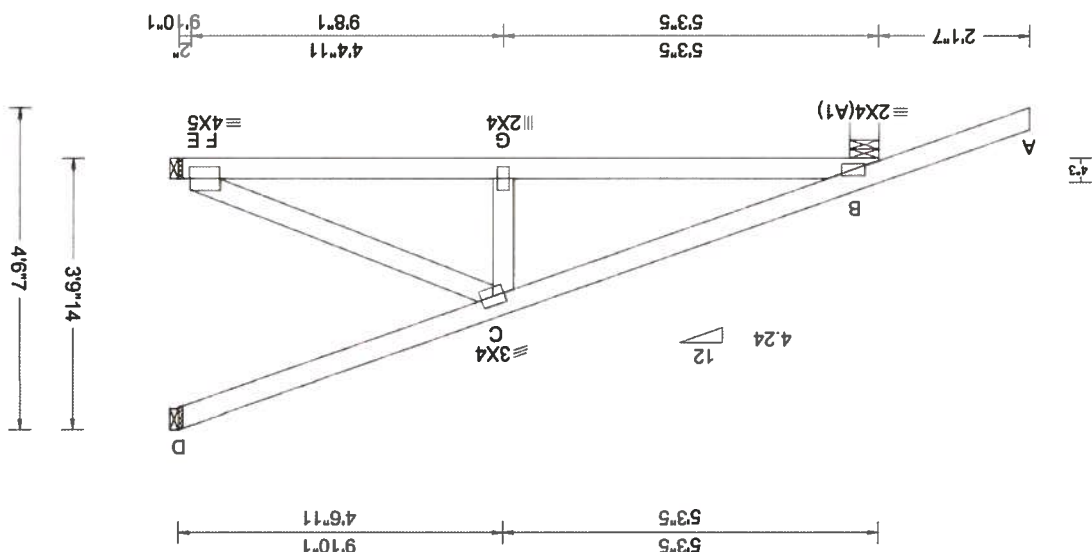
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com, TPI: www.tpinetw.com, SBCCA: www.sbccaindstry.com, ICC: www.iccsafe.org



6750 Forum Drive
Suite 305
Orlando FL 32821



Loading Criteria (psf)	TCLL: 20.00	Wind Criteria	Wind Std: ASCE 7-10	Wind Duration: 1.60
	TCDL: 10.00	Speed: 130 mph	Enclosure: Closed	GCPT: 0.18
BCDL: 0.00	Risk Category: II	EXP: C Kzt: NA	Mean Height: 15.00 ft	TCDF: 5.0 psf
BCDL: 10.00	BCDF: 5.0 psf	MMWFRS Parallel Dist: 0 to h/2	C&C Dist a: 3.00 ft	Loc. from endwall: not in 9.00 ft
Load Duration: 1.25	Soffit: 2.00	Loc. from endwall: not in 9.00 ft	GCPT: 0.18	Wind Duration: 1.60
Spacing: 24.0 "				
VIEW Ver: 18.02.01B.0321.08				

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

TC:	From	0 pif at	-2.10 to	61 pif at	9.84
TC:	From	2 pif at	0.00 to	2 pif at	9.84
BC:	From	0 pif at	-2.12 to	4 pif at	0.00
BC:	From	2 pif at	0.00 to	2 pif at	9.84
TC:	-43 lb Conc.	Load at	1.38		
TC:	123 lb Conc.	Load at	4.21		
TC:	253 lb Conc.	Load at	7.03		
BC:	6 lb Conc.	Load at	1.38		
BC:	97 lb Conc.	Load at	4.21		
BC:	178 lb Conc.	Load at	7.03		

Wind
Wind loads and reactions based on MWFRS.

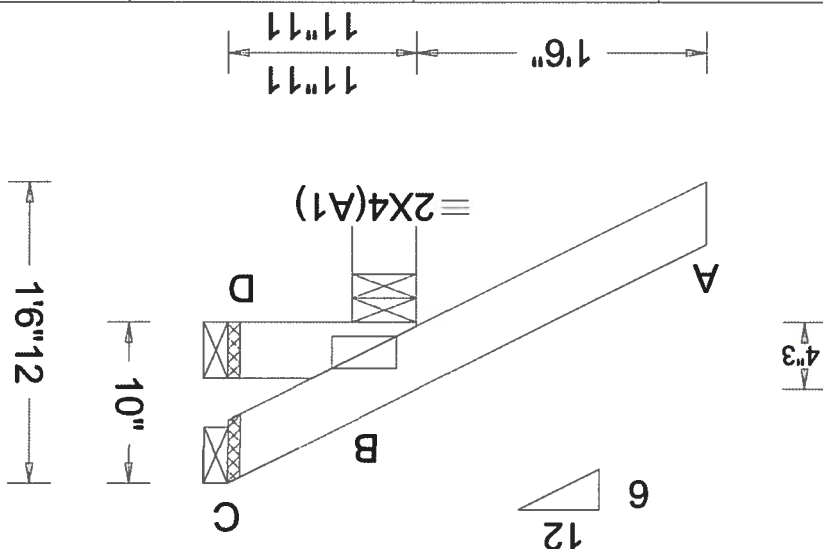
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-9-14.



12/19/2019

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



Loading Criteria (psf)		Wind Criteria		VIEW Ver: 18.02.01B.0321.08	
TCLL: 20.00	TCDL: 10.00	Wind Sld: ASCE 7-10	Wind Duration: 1.60	Max Web CSI: 0.000	FT/RT: 20(0)/10(0) Plate Type(s): WAVE
BCLL: 0.00	BCDL: 10.00	Speed: 130 mph	GCpf: 0.18	Max BC CSI: 0.038	
BCDL: 10.00	EXP. C Kzt: NA	Enclosure: Closed	Loc. from endwall: Any	Max TC CSI: 0.296	Bldg Code: FBC 2017 RES TPI Sld: 2014 Rep Fac: Yes
NCBCLL: 10.00	Risk Category: II	Mean Height: 15.00 ft	C&C Dist a: 3.00 ft	Creep Factor: 2.0	
SOFFIT: 2.00	TCDL: 5.0 psf	MWFRS Parallel Dist: 0 to h/2	TCDL: 5.0 psf	HORIZ(TL): 0.001 D	Code / Misc Criteria
Load Duration: 1.25	BCDL: 5.0 psf			HORIZ(LL): -0.000 D	
Spacing: 24.0 "				VERT(LL): NA	Snow Criteria (Pg.I in PSF) Pg. NA Ct: NA CAT: NA Ce: NA Lti: NA Cs: NA Snow Duration: NA
				VERT(CL): NA	
				VERT(TL): NA	Defn/CSI Criteria PP Deflection in loc L/den L/#

▲ Maximum Reactions (lbs)	Gravity	Loc R+ / Rh	Non-Gravity
B	256	- / -	/206 /73 /35
D	3	-18	- / -19 /-
C	-	-57	- / -58 /-
Wind reactions based on MWFRS			
B	Brg Width = 4.0		Min Req = 1.5
D	Brg Width = 1.5		Min Req = -
C	Brg Width = 1.5		Min Req = -
Bearing B is a rigid surface.			
Members not listed have forces less than 375#			

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

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

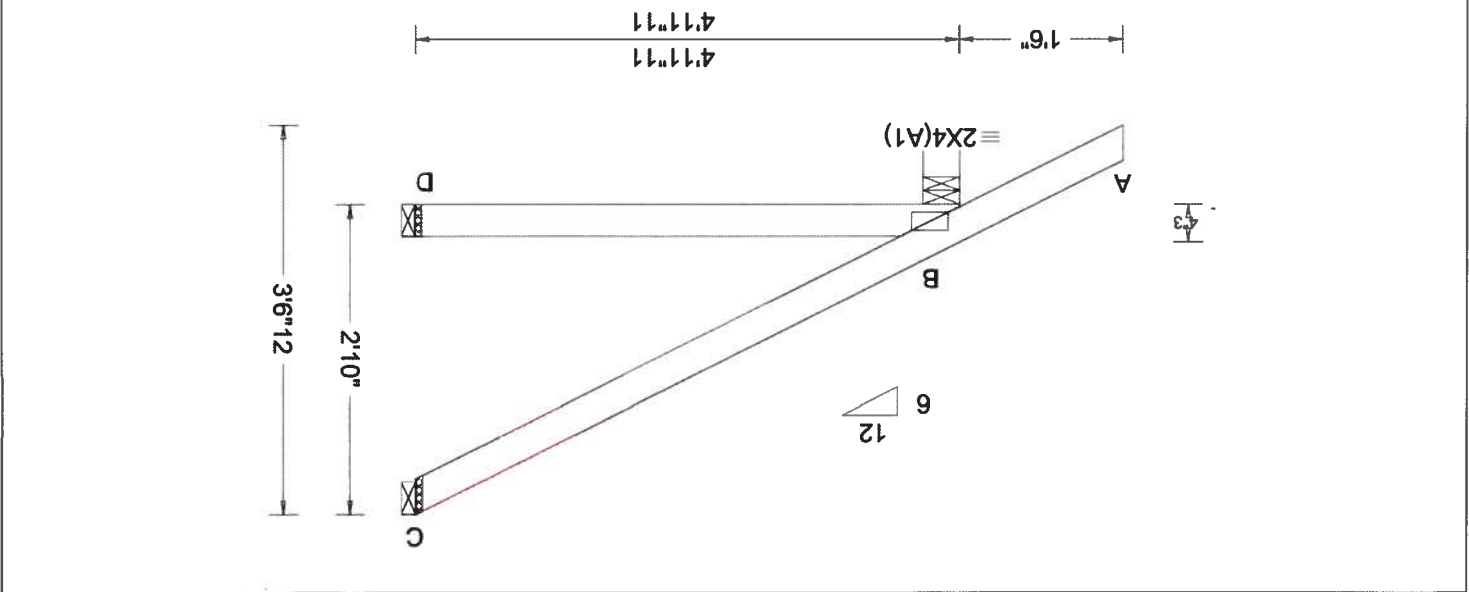
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 0-10-0.



6107/6171

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

Contractors require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSC (Building Code of Canada) and SBCA (or safety practices prior to performing these functions. Insulators shall provide temporary bracing per BCSC. Unless noted otherwise, all chord shall have properly attached structural sheathing and bottom chord portion shall have a properly braced top chord. Location shown for permanent lateral restraint of webs shall have bracing installed per BCSC sections B3, B7 or B10. Drawings 91-60A-Z for standard plate positions. Drawings 91-60A-Z for standard plate positions. Applying a division of ATV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the structure in conformance with with ATV 1, or for handling, shipping, installation and bracing of trusses as a result of this drawing or cover page and use of this drawing for any structural is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. The suitability and use of this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability of more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com, TPI: www.tpinet.org, SBCA: www.sbcdindustry.com, ICC: www.iccsafe.org



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pr in PSF)		Dn/CSI Criteria		Maximum Reactions (lbs)	
Des Ld:	40.00	Wind Sd:	ASCE 7-10	Pg. NA	Ct: NA	VERT(LL): NA	PP Deflection in loc L/def L/#	Loc R+ / R- / Rh	Non-Gravity / U / RL
BCDL:	10.00	Enclosure:	Closed	Pt: NA	Ce: NA	VERT(CL): NA			
BCLL:	0.00	EXP: C	Kzt: NA						
NCBCLL:	10.00	Mean Height:	15.00 ft						
Soffit:	2.00	BCDL:	5.0 psf						
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2						
Spacing:	24.0"	C&C Dist a:	3.00 ft						
		Loc. from endwall:	not in 4.50 ft						
		Gcpl:	0.18						
		Wind Duration:	1.60						

Code / Misc Criteria		VIEW Ver: 18.02.01B.0321.08	
Snow Duration:	NA	Max Web CSI:	0.000
Lu: NA	Cs: NA	Max BC CSI:	0.245
Pt: NA	Ce: NA	Max TC CSI:	0.306
Pg: NA	Ct: NA	Creep Factor:	2.0
		HORZ(TL):	0.008 D
		HORZ(LL):	0.004 D
		VERT(CL):	NA
		VERT(LL):	NA
		PP Deflection in loc L/def L/#	

Wind		Lumber	
Top chord:	2x4 SP #2:	Top chord:	2x4 SP #2:
Bot chord:	2x4 SP #2:	Wind loads based on MWFRS with additional C&C member design.	Refer to General Notes for additional information
		The overall height of this truss excluding overhang is 2'-10-0".	

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 IPI and SBCEA for safety practices prior to performing these functions. Installers 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 or truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

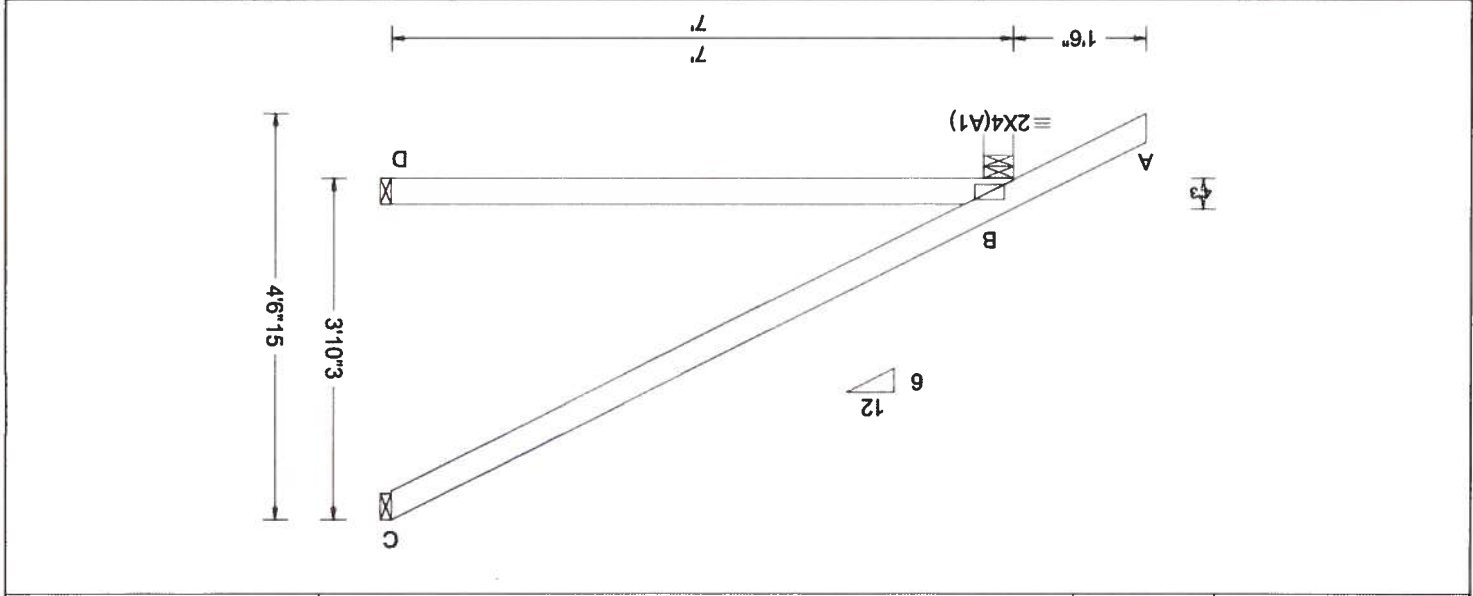
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

COA #0278

12/19/2019

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)	
Des Ld:	40.00	Wind Duration:	7.10	Pg: NA	Ct: NA	VERT(LL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
BCDL:	10.00	Enclosure:	Closed	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
BCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
EXP: C	Kzt: NA	Wind Std:	ASCE 7-10	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
Mean Height:	15.00 ft	Enclosure:	Closed	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
BCDL:	5.0 psf	Wind Std:	ASCE 7-10	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
NCBCLL:	10.00	Wind Std:	ASCE 7-10	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
Soffit:	2.00	Wind Std:	ASCE 7-10	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
Load Duration:	1.25	Wind Std:	ASCE 7-10	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity
Spacing:	24.0 "	Wind Std:	ASCE 7-10	Pf: NA	Ce: NA	VERT(CL): NA	Loc R+ / R- / Rh	Gravity	Non-Gravity

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 3-10-3.

COA #0278
12/19/2019

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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****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 IPI and SBCEA 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, installing 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.alpinetw.com; TPI: www.tpiinst.org; SBCEA: www.sbceadist.com; ICC: www.iccsafe.org

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

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

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

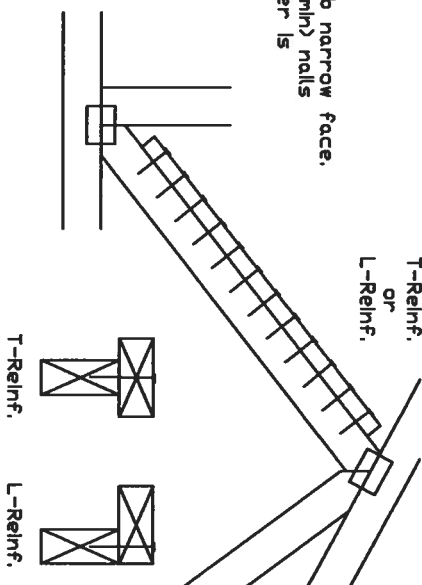
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf. Scab Reinf.
2x3 or 2x4	1 row	2x4 1-2x4
2x3 or 2x4	2 rows	2x6 2-2x4
2x6	1 row	2x4 1-2x6
2x6	2 rows	2x6 2-2x4(40)
2x8	1 row	2x6 1-2x8
2x8	2 rows	2x6 2-2x6(40)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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

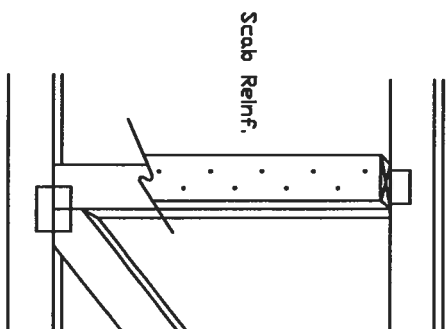
T-Reinforcement or L-Reinforcement

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement

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



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Suite 200
Maryland Heights, MO 63043

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ICC Building Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing per SCSA. Trusses noted otherwise, top chord shall have properly attached structural bracing and bottom chord shall have bracing installed per SCSA. Trusses shall be installed in accordance with the details of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1004-2 for standard plate positions.
Alpine, a division of TTV Building Components Group Inc. shall not be responsible for any deviation from the design or construction of trusses in conformance with AISI/TPI 1, or for handling, shipping, installing or bracing of trusses. The designer, indicating acceptance of professional engineering responsibility solely for the design shown. The suitability and use of the design for any structure is the responsibility of the building designer per AISI/TPI 1. See also.
For more information see the job's general notes page and these web sites:
ALPINE: usa@alpineusa.com TPI: www.tpi.com SCSA: www.scsa-usa.com ICC: www.iccsa.org

No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

12/19/2019

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

Dn	120 mph	Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.000
Dn	120 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Dn	100 mph	Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.000

Bracing Group Species and Grades

Group A:

Sonses Pine-Tr #1 / #2 Standard	#3 Std	#2 Std	Hem-Tr #3 Standard
Douglas Fir-Larch #3 Std	Standard	#3 Std	Southern Premium #3 Std Standard

Group B:

Douglas Fir-Larch #1 #2	Hem-Tr #1 & 2 #1	#1 #2	Southern Premium #1 #2

1x4 braces shall be STD (Stress-Rated Board) or 1x4 So. Ply use only Industrial, S5 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.

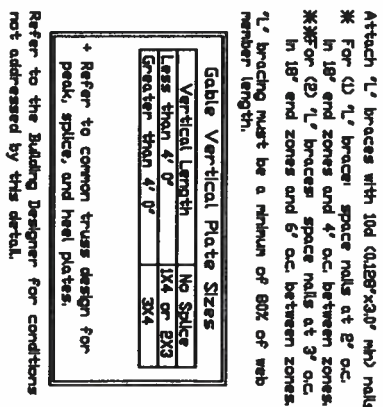
Provide uplift connections for S5 pif over continuous bearing (5 psf TD Dead Load).

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

Wind Load deflection criterion is $L/240$.

continuous bearing (5 psf TC Dead Load)

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



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

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1x4 or 2x3
Greater than 4' 0"	3x4

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

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

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These details require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of AISI Cold-Formed Steel Design Specification, by ITI and AISI for details prior to performing these functions. Installers shall provide temporary bracing per AISI Design Manual Part 3, Appendix 3, and provide adequate bracing for the structural steelwork. Bracing and bracing details are primarily structural and calling for welding is not intended. Welding and bolting details are provided for the bracing installed per AISI sections B3.7 and B3.8 or B3.9, as applicable. Apply plates to ends of bracing as shown above and on the left details, unless noted otherwise.

These details are for standard plate positions.

It is a division of ITI Building Components Group Inc. shall not be responsible for any deviations from the drawings or for bracing in conjunction with AISI/TI L or for handling, shipping, installing, or covering the bracing.

For details on how to cover the bracing, lifting the drawing, indicate the acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing structure is the responsibility of the Building Designer per AISI/TI L, Inc.

For more information see the Job's general notes page and these and other drawings.

ALUMINUM: aluminum@itibuilding.com WELDING: welding@itibuilding.com BOLD: bold@itibuilding.com

No. 70861
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 12/19/2019
 12/19/2019

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

REF	ASCE7-10-GABI4013
DATE	10/01/14
DRWG	A14015ENC10101

The diagram shows two types of rectangular elements. The first element is labeled "2x4" and has a small horizontal bar across its center. The second element is labeled "2x8". Both elements are shown between two parallel diagonal lines.

The diagram shows a 2x2 grid of rectangles. The top-left rectangle is labeled 'Toe-nail' and the top-right rectangle is labeled 'End-nail'. The bottom-left rectangle is labeled '- Dr -' and the bottom-right rectangle is labeled 'End-nail'. The rectangles are arranged in a grid with lines connecting them.

Diagram illustrating the connection between the roof truss and the ceiling joist. The roof truss is labeled "Roof Truss" and the ceiling joist is labeled "Ceiling Joist". The connection is shown with "4 Nails" and "Nails Spaced At 4' o.c.". A "Rigid Sheathing" is shown on the roof truss. A "Reinforcing Member" is shown at the top of the roof truss.

Maximum 7" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

For more information see this job's general notes page and these web sites:
ALNED www.alnet.com TPD www.tpd.org SBCA www.sbcasociety.org ICC www.icc.org

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ORIGINAL
COA #0278

12/19/2019

DRWG GBLLETIN0118

MAX. SPACING 24.0'