

Columbia County New Building Permit Application

4368

3924

For Office Use Only Application # 44345 Date Received 1/15 By [Signature] Permit # 39245-3924
Zoning Official LW/CH Date 1-16-20 Flood Zone X Land Use ESA Zoning A-3
FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner 7.C. Date 1-24-20
Comments _____
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 311 Sheet ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 20-0036 OR City Water ☐ Fax _____
Applicant (Who will sign/pickup the permit) Isaiah Cully Phone 386-867-0086
Address 818 W Duval Lake city FL 32055
Owners Name CHASE BARRS Phone 386-623-1715
911 Address 388 SW KINSEY SPRINGS Ter, Fort White FL, 32038
Contractors Name Isaiah Cully Phone 386-867-0086
Address 818 W Duval Lake city FL 32055
Contractor Email Isaiahcully4@gmail.com ***Include to get updates on this job.
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Nicholas Geisler 1758 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 02-6S-15-00504-114 Estimated Construction Cost 175,000
Subdivision Name SOUTHLAND TRAILS Lot 14 Block _____ Unit _____ Phase _____
Driving Directions from a Major Road 247 S to 137, left on 137 to 256th St. left on 256th, 256th to SW Kinsley ter,
left on Kinsley ter, project on corner of Kinsley and SW Maryann Gln

SCANNED

Construction of Single Family Dwelling _____ Commercial OR X Residential
Proposed Use/Occupancy Home Number of Existing Dwellings on Property _____
Is the Building Fire Sprinkled? _____ If Yes, blueprints included _____ Or Explain _____
Circle Proposed ☒ Culvert Permit or ☐ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 237 Side RA 207 Side LH 396 Rear 365
Number of Stories 1 Heated Floor Area 2,218 Total Floor Area 3,242 Acreage 10.2
Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) _____

Stu sent email 1.30.20

Columbia County Building Permit Application

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

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

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

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

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

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

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

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

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

CHASE BARRS

Print Owners Name

Owners Signature

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

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

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

Contractor's Signature

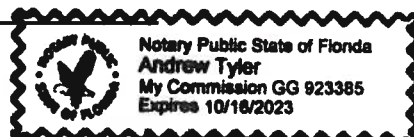
✓ Contractor's License Number 1259655
Columbia County
Competency Card Number 1179

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7 day of January 2020.

Personally known ☒ or Produced Identification

SEAL:

State of Florida Notary Signature (For the Contractor)



SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT #

44345

JOB NAME

BARRIS, CHASE

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# 871	Print Name <u>Dennis Conklin</u> Company Name: <u>D&S Electric</u> License #: <u>13003800</u>	Signature <u>Dennis Conklin</u> Phone #: <u>386 397-5731</u>	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☒ CC# 802	Print Name <u>Clint Wilson</u> Company Name: <u>Wilson Heat & Air</u> License #: <u>CACG 57886</u>	Signature <u>[Signature]</u> Phone #: <u>386 496-9000</u>	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☒ CC# 715	Print Name <u>Cody Barris</u> Company Name: <u>Barris Plumbing</u> License #: <u>CPL1427145</u>	Signature <u>[Signature]</u> Phone #: <u>352 623-0309</u>	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☒ CC# 1179	Print Name <u>Freda C. C. Construction</u> Company Name: <u>Freda C. C. Construction</u> License #: <u>CBC 1239035</u>	Signature <u>[Signature]</u> Phone #: <u>386 867-0086</u>	Need ☐ Lic ☒ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#	Print Name _____ Company Name: _____ License #: _____	Signature _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#	Print Name _____ Company Name: _____ License #: _____	Signature _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#	Print Name _____ Company Name: _____ License #: _____	Signature _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#	Print Name _____ Company Name: _____ License #: _____	Signature _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Columbia County Property Appraiser

Jeff Hampton

2020 Working Values

updated: 11/27/2019

Parcel: << 02-6S-15-00504-114 >>

Aerial Viewer Pictometry Google Maps

Owner & Property Info

Result: 1 of 21

Owner	BARRS CHASE BRANDON 474 SW BARRS GLN LAKE CITY, FL 32024		
Site	388 KINSEY SPRINGS TER, FORT WHITE		
Description*	(AKA LOT 14 SOUTHLAND TRAILS UNR): COMM NE COR OF W1/2 OF SEC, RUN S 3318.82 FT, RUN W 1322.79 FT FOR POB, RUN S 666.33 FT, W 666.05 FT, N 664.86 FT, E 666.06 FT TO POB. WD 1017-2448, WD 1380-825		
Area	10.2 AC	S/T/R	02-6S-15
Use Code**	VACANT (000000)	Tax District	3

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

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

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (1)	\$35,700	Mkt Land (1)	\$35,700
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (0)	\$0	XFOB (0)	\$0
Just	\$35,700	Just	\$35,700
Class	\$0	Class	\$0
Appraised	\$35,700	Appraised	\$35,700
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$35,700	Assessed	\$35,700
Exempt	\$0	Exempt	\$0
Total Taxable	county:\$35,700 city:\$35,700 other:\$35,700 school:\$35,700	Total Taxable	county:\$35,700 city:\$35,700 other:\$35,700 school:\$35,700



Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
3/12/2019	\$40,000	1380/0825	WD	V	Q	01
6/7/2004	\$45,000	1017/2448	WD	V	Q	

Building Characteristics

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

Extra Features & Out Buildings (Codes)

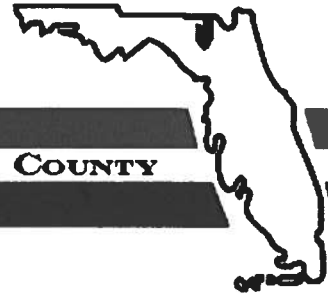
Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	10.200 AC	1.00/1.00 1.00/1.00	\$3,500	\$35,700

Search Result: 1 of 21

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



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

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

Date/Time Issued: **4/26/2019 2:28:43 PM**
Address: **388 SW KINSEY SPRINGS Ter**
City: **FORT WHITE**
State: **FL**
Zip Code **32038**

Parcel ID **00504-114**

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.

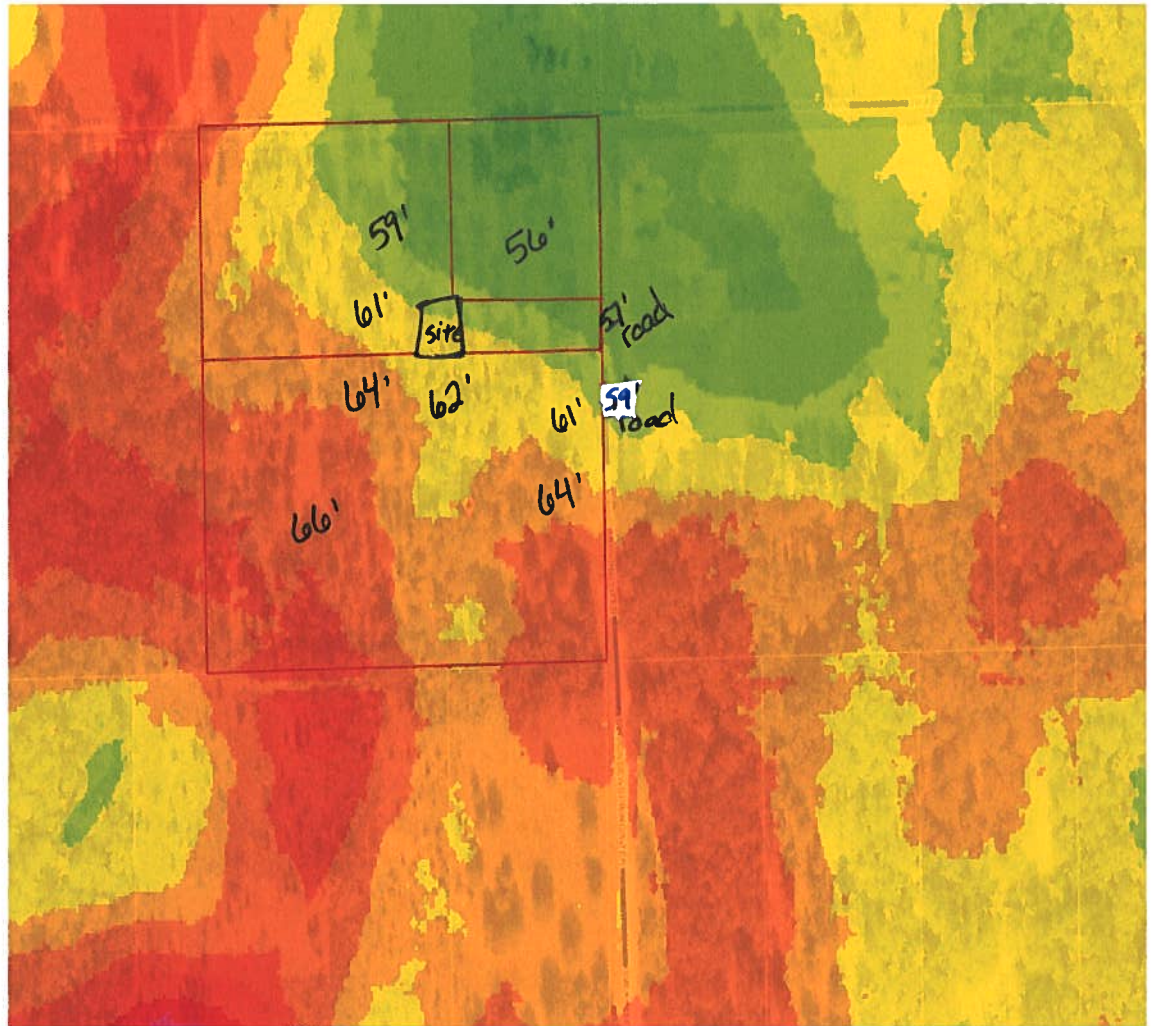
Address Issued By: **Signed:/ Matt Crews**

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**

- Roads
- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private
- 2018Aerials
- 2018 Flood Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH
- Parcels
- SRWMD Wetlands
- SectionTownshipAndRange
- LidarElevations



Parcel Information

Parcel No: 02-6S-15-00504-114

Owner: NICHOLSON RALPH & LINDA

Subdivision: SOUTHLAND TRAILS UNR

Lot: 14

Acres: 10.245676

Deed Acres: 10.2 Ac

District: District 2 Rocky Ford

Future Land Uses: Environmentally Sensitive Areas -1

Flood Zones:

Official Zoning Atlas: A-3

20742

2074

666.05 Pf

Kinsey Springs Ter.

367.01A

237F4

House

62.84

237 F4

49 49

Privacy

357F4

396.94 ft

315 ft

396.94 ft
Well -----
215 ft

396.94175

365.01 ft

164.8651

4-11-1999

1/13/2020

To: Columbia County Building Department

A&B Well Drilling, Inc.

5673 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-3409
Cell: (386) 623-3151
Fax: (386) 758-3410
Owner: Bruce Park

Description of Well to be installed for Customer _____
O/C Construction

Located @ Address: _____ 388 SW Kinsley Terr _____

1 HP 20 GPM submersible pump, 1 1/4" drop pipe, 85 gallon captive tank, and backflow prevention.
With SRWMD permit.

Bruce Park

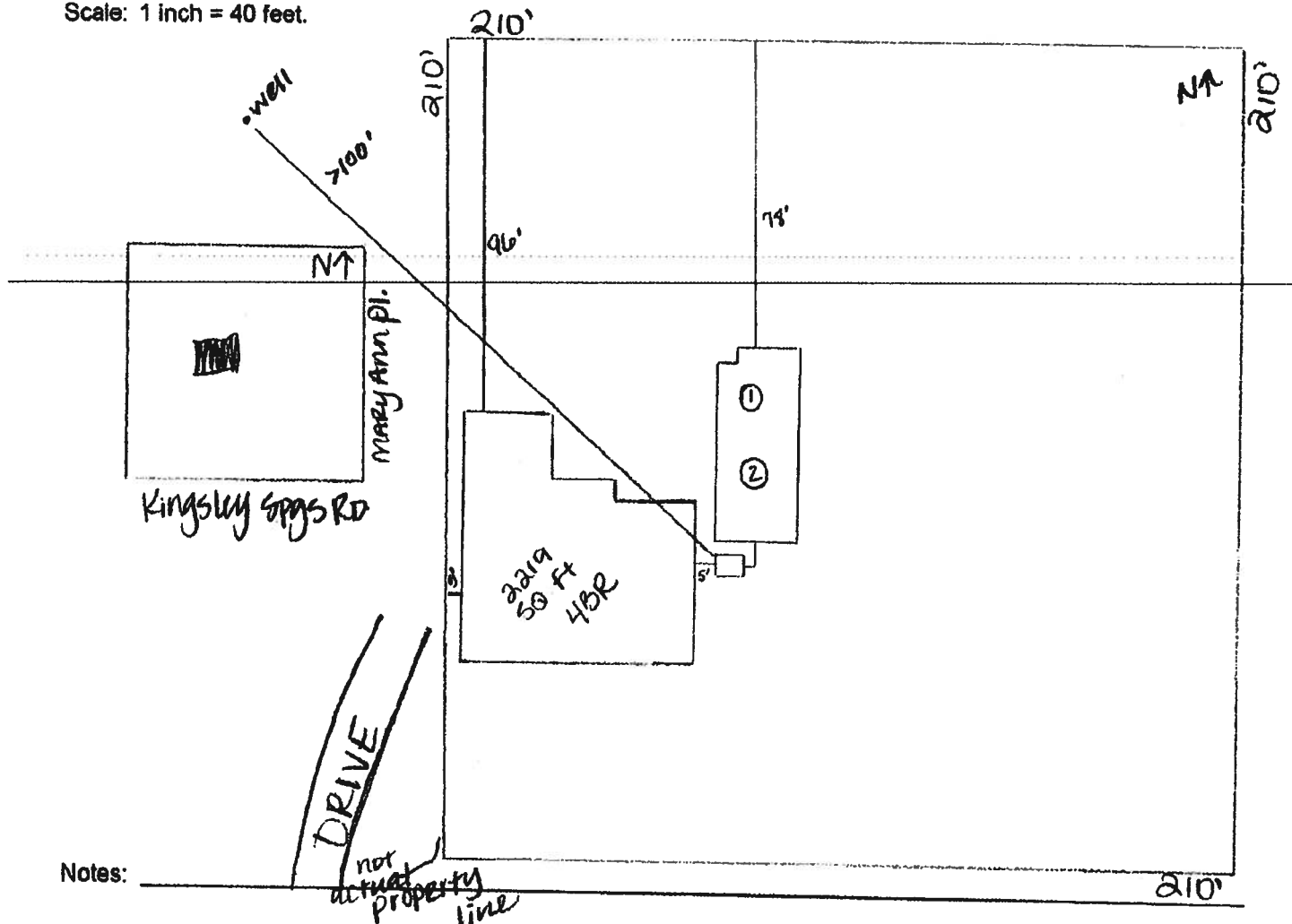
Sincerely,
Bruce N. Park
President

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

Permit Application Number 20-0886Chase Barrs

PART II - SITEPLAN

Scale: 1 inch = 40 feet.

1 acre of 10.2

Site Plan submitted by:

William D. Bishop II

Plan Approved

Not Approved

MASTER CONTRACTOR

Date 1-9-20

By

Columbina

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



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

PERMIT NO. 20-08836
DATE PAID: 1/14/20
FEE PAID: 310.00
RECEIPT #: 1461886

APPLICATION FOR:

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

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

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (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: 14 BLOCK: NA SUB: Southland TrailsPLATTED: 12/3/84PROPERTY ID #: 02-68-15-00504-114ZONING: Res. I/M OR EQUIVALENT: ☐ Y ☒ NPROPERTY SIZE: 10.2 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐]<=2000GPD ☐]>2000GPDIS SEWER AVAILABLE AS PER 381.0065, FS? ☐ Y ☒ NDISTANCE TO SEWER: NA FTPROPERTY ADDRESS: 388 Kinsey Springs Terr, Ft. White, FL

DIRECTIONS TO PROPERTY: Head W. on NE Franklin St, TL onto NW Main Blvd, TR onto US-90W, TL onto FL-247S, TL onto Sand Hill Rd, TL onto 256th St, TL onto SW Kinsey Springsterr.

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	4	2219	
2				
3				

1	SF Residential	4	2219	
2				
3				

☐ Floor/Equipment Drains ☐ Other (Specify) _____SIGNATURE: William D. Bishop IIDATE: 1/9/2020

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



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST



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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

Items to Include-
Each Box shall be
Circled as
Applicable

GENERAL REQUIREMENTS:
APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Select From Drop down

1	Two (2) complete sets of plans containing the following:	☒		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	☒		
3	Condition space (Sq. Ft.) 2219 Total (Sq. Ft.) under roof 3242	Yes	No	NA

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

Site Plan information including:

4	Dimensions of lot or parcel of land	Yes		☒
5	Dimensions of all building set backs	Yes		☒
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	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 Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	Yes	No	NA
		Select From Drop down		
9	Basic wind speed (3-second gust), miles per hour	Yes		☒
10	(Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	Yes		☒
11	Wind importance factor and nature of occupancy	Yes		☒
12	The applicable internal pressure coefficient, Components and Cladding	Yes		☒
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not speciffally 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		☒
19	Number of stories	Yes		☒
20	Building height from the established grade to the roofs highest peak	Yes		☒

Floor Plan Including:

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

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

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

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

Floor Framing System: First and/or second story

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

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for Residential Building

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

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

Select from Drop Down

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

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

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

Notice Of Commencement:

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

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

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

Select from Drop down

93	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	Yes		☐
94	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	Yes		☐
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	Yes		☐
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	Yes		☐
97	Toilet facilities shall be provided for all construction sites	Yes		☐
98	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	Yes		☐
99	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations (Municode.com)	Yes		☐
100	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	Yes		☐
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	NA		☐
102	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	Yes		☐
103	911 Address: An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	Yes		☐

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

Chris Davis

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Plast-Pro	Smooth fiberglass doors	14803.1
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	YKK	Vinyl Windows	17169.1
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardy	Cement Hardy lap siding	13192-R1
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	asphalt shingles	11651.28 R1
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

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

Contractor OR Agent Signature

Date

NOTES: _____

Residential System Sizing Calculation

Summary

Project Title:
Chase Barrs

Lake City, FL

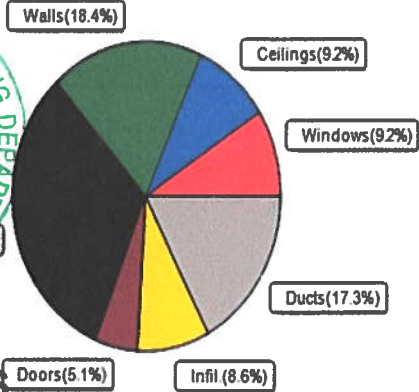
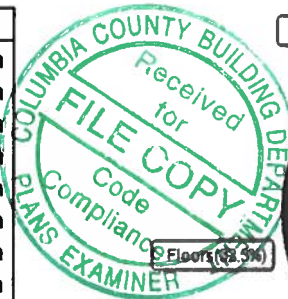
11/8/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
Total heating load calculation	30705 Btuh	Total cooling load calculation	24927 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	136.8 42000	Sensible (SHR = 0.85)	174.4 35700
Heat Pump + Auxiliary(0.0kW)	136.8 42000	Latent	141.2 6300
		Total (Electric Heat Pump)	168.5 42000

WINTER CALCULATIONS

Winter Heating Load (for 2219 sqft)

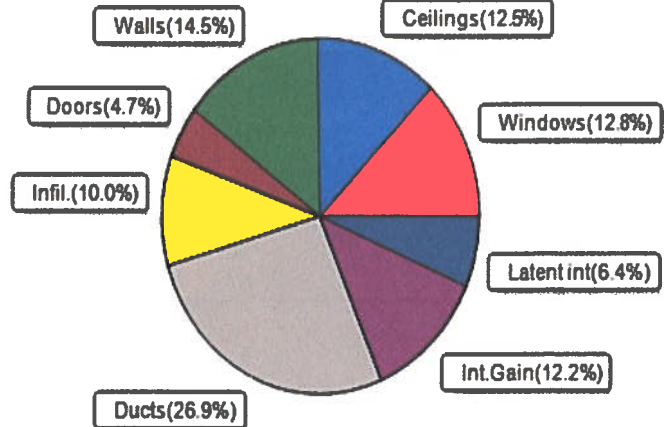
Load component		Load	
Window total	213 sqft	2812 Btuh	
Wall total	1641 sqft	5658 Btuh	
Door total	85 sqft	1570 Btuh	
Ceiling total	2219 sqft	2827 Btuh	
Floor total	2219 sqft	9912 Btuh	
Infiltration	60 cfm	2630 Btuh	
Duct loss		5297 Btuh	
Subtotal		30705 Btuh	
Ventilation	0 cfm	0 Btuh	
TOTAL HEAT LOSS		30705 Btuh	



SUMMER CALCULATIONS

Summer Cooling Load (for 2219 sqft)

Load component		Load	
Window total	213 sqft	3200 Btuh	
Wall total	1641 sqft	3607 Btuh	
Door total	85 sqft	1178 Btuh	
Ceiling total	2219 sqft	3109 Btuh	
Floor total		0 Btuh	
Infiltration	45 cfm	937 Btuh	
Internal gain		3040 Btuh	
Duct gain		5395 Btuh	
Sens. Ventilation	0 cfm	0 Btuh	
Blower Load		0 Btuh	
Total sensible gain		20466 Btuh	
Latent gain(ducts)		1306 Btuh	
Latent gain(infiltration)		1555 Btuh	
Latent gain(ventilation)		0 Btuh	
Latent gain(internal/occupants/other)		1600 Btuh	
Total latent gain		4461 Btuh	
TOTAL HEAT GAIN		24927 Btuh	



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

[Signature]
11-8-19

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Chase Barrs
 Street:
 City, State, Zip: Lake City, FL,
 Owner:
 Design Location: FL, Gainesville

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

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft ²)	2219
Conditioned floor area below grade (ft ²)	0
7. Windows(213.0 sqft.)	Description Area
a. U-Factor:	Dbl, U=0.33 213.00 ft ²
SHGC:	SHGC=0.22
b. U-Factor:	N/A ft ²
SHGC:	
c. U-Factor:	N/A ft ²
SHGC:	
d. U-Factor:	N/A ft ²
SHGC:	
Area Weighted Average Overhang Depth:	4.493 ft.
Area Weighted Average SHGC:	0.220
8. Floor Types (2219.0 sqft.)	Insulation Area
a. Slab-On-Grade Edge Insulation	R=0.0 2219.00 ft ²
b. N/A	R= ft ²
c. N/A	R= ft ²

9. Wall Types (1939.0 sqft.)	Insulation Area
a. Frame - Wood, Exterior	R=13.0 1939.00 ft ²
b. N/A	R= ft ²
c. N/A	R= ft ²
d. N/A	R= ft ²
10. Ceiling Types (2219.0 sqft.)	Insulation Area
a. Under Attic (Vented)	R=30.0 2219.00 ft ²
b. N/A	R= ft ²
c. N/A	R= ft ²
11. Ducts	R ft ²
a. Sup: Attic, Ret: Attic, AH: Main	6 443.8
12. Cooling systems	kBtu/hr Efficiency
a. Central Unit	42.0 SEER:16.00
13. Heating systems	kBtu/hr Efficiency
a. Electric Heat Pump	43.0 HSPF:8.50
14. Hot water systems	
a. Natural Gas Tankless	Cap: 1 gallons
b. Conservation features	EF: 0.590
None	
15. Credits	CF, Pstat

Glass/Floor Area: 0.096

Total Proposed Modified Loads: 58.62

Total Baseline Loads: 59.40

PASS

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

PREPARED BY: _____

DATE: 11-8-19

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Chase Barrs	Bedrooms:	4	Address Type:	Street Address
Building Type:	User	Conditioned Area:	800	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

BLOCKS

Number	Name	Area	Volume
1	Block1	2219	19971

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2219	19971	Yes	8	4	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
	1	Slab-On-Grade Edge Insulatio	Main	210 ft	0	2219 ft²	0.33	0.33	0.34

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	2570 ft²	648 ft²	Medium	N	0.85	No	0.9	No	0	30.3

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2219 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	2219 ft²	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	N	Exterior	Frame - Wood	Main	13	41	4	9		372.0 ft²	0.625	0.23	0.75	0
2	W	Exterior	Frame - Wood	Main	13	10		9		90.0 ft²	0.625	0.23	0.75	0
3	N	Exterior	Frame - Wood	Main	13	21	4	9		192.0 ft²	0.625	0.23	0.75	0
4	E	Exterior	Frame - Wood	Main	13	42		9		378.0 ft²	0.625	0.23	0.75	0
5	S	Exterior	Frame - Wood	Main	13	16		9		144.0 ft²	0.625	0.23	0.75	0
6	S	Exterior	Frame - Wood	Main	13	25		10		250.0 ft²	0.625	0.23	0.75	0
7	S	Exterior	Frame - Wood	Main	13	21	8	9		195.0 ft²	0.625	0.23	0.75	0
8	W	Exterior	Frame - Wood	Main	13	35	4	9		318.0 ft²	0.625	0.23	0.75	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	N	Insulated	Main	None	.46	2	8	8		21.3 ft²
2	N	Insulated	Main	None	.46	5		8		40 ft²
3	S	Insulated	Main	None	.46	3		8		24 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	9.0 ft²	16 ft 4 in	1 ft 4 in	None	None
2	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
3	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
4	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 ft²	1 ft 6 in	1 ft 4 in	None	None
5	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
6	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
7	S	6	Vinyl	Low-E Double	Yes	0.33	0.22	N	72.0 ft²	8 ft 6 in	1 ft 4 in	None	None
8	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None
9	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
10	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1664.3	91.37	171.83	.1128	5

HEATING SYSTEM

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

INPUT SUMMARY CHECKLIST REPORT

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	None	SEER: 16	42 kBtu/hr	1260 cfm	0.85	1	sys#1

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Natural Gas	Tankless	Exterior	0.59	1 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

✓	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
✓	1	Attic	6	443.8 ft	Attic	110.95	Default Leakage	Main	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

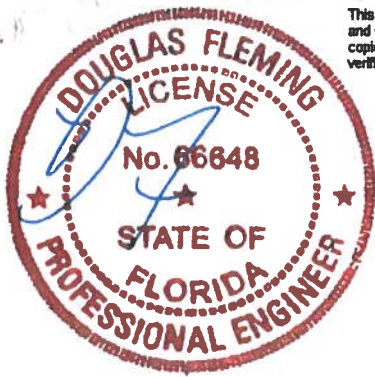
Thermostat Schedule: HERS 2006 Reference

Hours

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

MASS

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

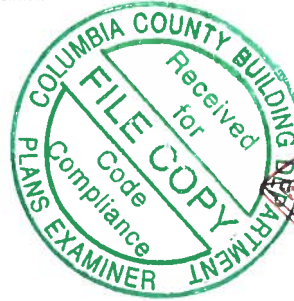


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.



COA #0 278
12/31/2019

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



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3851
Job Description: /CODY BARR-CHASE BARR RES. /Contractor	
Address: LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B JRef #: 1WRI2150004
Wind Standard: ASCE 7-10 Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00
Building Type: Closed	Floor Load (psf): None

This package contains general notes pages, 29 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	365.19.1348.57420	A01
3	365.19.1349.00230	A03
5	365.19.1349.02653	B01
7	365.19.1349.11000	B03
9	365.19.1349.13050	C02
11	365.19.1349.16440	C04
13	365.19.1349.19997	C06
15	365.19.1349.25063	C08
17	365.19.1349.27413	D02
19	365.19.1349.29380	D04
21	365.19.1349.31577	P03
23	365.19.1349.33267	P05
25	365.19.1349.35323	V01
27	365.19.1349.49290	V03
29	365.19.1349.52250	V05
31	CNNAILSP1014	
33	GBLLETIN0118	
35	PB160101014	

Item	Drawing Number	Truss
2	365.19.1348.59057	A02
4	365.19.1349.01650	A04
6	365.19.1349.04050	B02
8	365.19.1349.11970	C01
10	365.19.1349.14217	C03
12	365.19.1349.18760	C05
14	365.19.1349.22227	C07
16	365.19.1349.26207	D01
18	365.19.1349.28437	D03
20	365.19.1349.30570	P01
22	365.19.1349.32437	P04
24	365.19.1349.34287	P06
26	365.19.1349.48567	V02
28	365.19.1349.50057	V04
30	BRCLBSUB0119	
32	A14030ENC101014	
34	A14015ENC101014	
36	VAL160101014	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

General Notes (continued)

Key to Terms:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

1. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.

2. ICC: International Code Council; www.iccsafe.org.

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

4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

[illegible]

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Cs: NA	VERT(LL): 0.113 W 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.248 N 999 180	AB 2203 /-73 /- /96 /299 /428
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.086 I - -	T 4891 /- /- /1737 /835 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.201 I - -	M 470 /-105 /- /215 /249 /-
NCBCLL: 10.00	Mean Height: 16.97 ft	Code / Misc Criteria	Creep Factor: 2.0	L 1482 /- /- /781 /226 /-
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.662	Wind reactions based on MWFRS
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.847	AB Brg Width = 3.0 Min Req = 1.8
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.933	T Brg Width = 4.0 Min Req = -
	C&C Dist a: 5.38 ft	FT/RT:20(0)/10(0)		M Brg Width = 4.0 Min Req = 1.5
	Loc. from gdwall: not in 13.00 ft	Plate Type(s):		L Brg Width = 3.0 Min Req = 1.7
	GCpi: 0.18	WAVE		Bearings AB, T, M, & L are a rigid surface.
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	Members not listed have forces less than 375#

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP #2;
Bot chord: 2x4 SP #2; B1 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #3; W1,W8,M2,M3,M4 2x4 SP #2;
Filler: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	60 plf at	0.00 to	60 plf at	55.33
BC: From	10 plf at	0.00 to	10 plf at	4.77
BC: From	20 plf at	4.77 to	20 plf at	53.83
BC: From	5 plf at	53.83 to	5 plf at	55.33

BC: 1309 lb Conc. Load at 1.94, 3.94, 4.77

Plating Notes

All plates are 2X4 except as noted.

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

Purins

Laterally brace BC at 24" oc in lieu of rigid ceiling.
Laterally brace BC above filler at 24" oc.

Wind

Wind loads based on MWFRS.

Bearing Block(s)

Brg blocks: 0.128"x3", min. nails
 brg x-loc #blocks length/blk #nails/blk wall plate
 2 14.833' 1 12" 4 Rigid Surface
 Bearing block to be same size and species as (Filler)
 Bot chd. Refer to drawing CNNALSP1014 for more info.

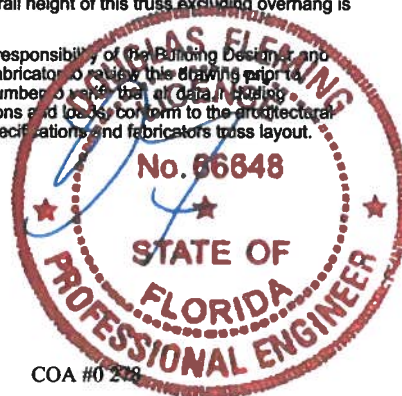
Additional Notes

Refer to General Notes for additional information

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to make sure that all Detail Panel dimensions and loads conform to the architectural plans/specifications, and fabricator's truss layout.



COA #0238

12/31/2019

▲ Maximum Reactions (lbs)

Loc	Gravity			Non-Gravity		
	R+	/R-	/Rh	/Rw	/U	/RL
AB 2203	-	73	-	96	299	428
T 4891	-	-	-	1737	835	-
M 470	-	105	-	1215	249	-
L 1482	-	-	-	781	226	-

Wind reactions based on MWFRS

AB	Brg Width = 3.0	Min Req = 1.8
T	Brg Width = 4.0	Min Req = -
M	Brg Width = 4.0	Min Req = 1.5
L	Brg Width = 3.0	Min Req = 1.7

Bearings AB, T, M, & L are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	607 - 4214	F - G	157 - 1870
B - C	861 - 393	G - H	157 - 1870
C - D	2832 - 454	H - I	265 - 1886
D - E	3859 - 600	I - J	252 - 1840
E - F	1242 - 755		

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Shot Chord Forces Per Ply (ksi)			Maximum Shot Chord Forces Per Ply (ksi)		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - W	4092	-581	R - Q	551	-1058
V - U	3808	-595	Q - P	592	-1009
W - V	51	-874	P - O	603	-1040
U - T	372	-2443	O - N	1582	-191
T - S	523	-3442	N - M	1581	-195
S - R	532	-3435			

Maximum Web Forces Per Ply (lbs)

Maximum Web Forces Per Fy (ksi)					
Maxims	Tens. Comp.		Webbs	Tens. Comp.	
W - B	2815	-342	F - R	445	-1837
B - V	555	-4027	F - O	1604	-308
V - C	2297	-274	G - O	213	-494
C - U	341	-2525	O - H	481	-471
U - D	1052	-99	M - I	259	-562
D - T	197	-1129	M - J	1531	-193
E - T	625	-3076	J - L	256	-1426
E - R	2729	-474			

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

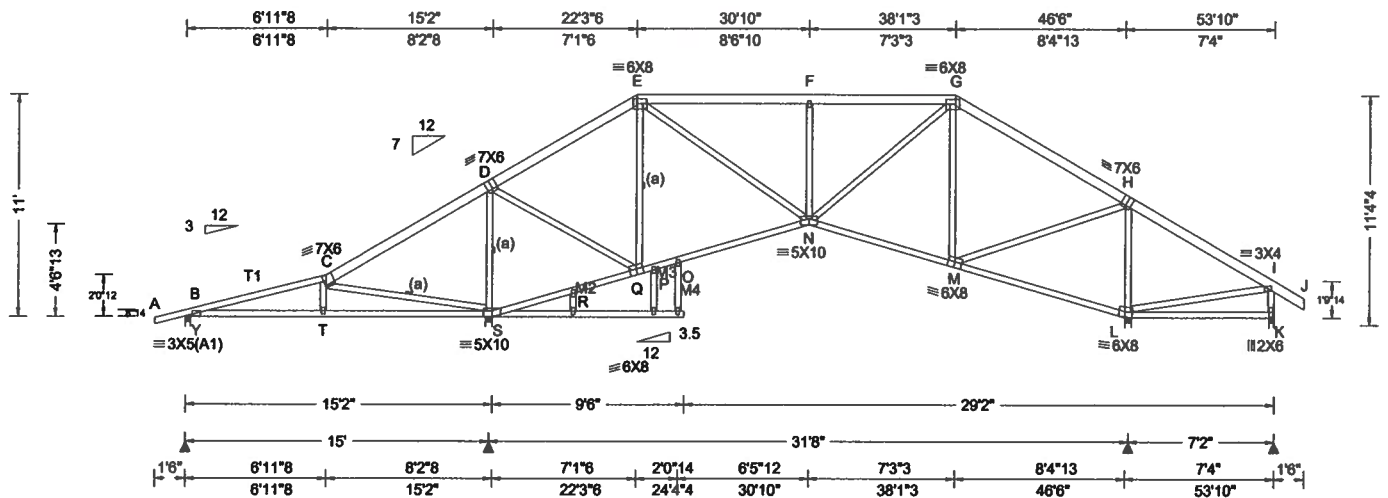
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 structure in accordance with the drawing, or any liability arising from, or resulting from, any deviation from this drawing or any failure to build the structure in accordance with the drawing. The user of 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/PTC 1 Sec 2.

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



SEQN: 564032 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: A02	Cust: R 215 JRef: 1WRI2150004 T16 DrwNo: 365.19.1348.59057 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.97 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.38 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.057 O 999 240 VERT(CL): 0.143 O 999 180 HORZ(LL): 0.030 K - - HORZ(TL): 0.066 K - - Creep Factor: 2.0 Max TC CSI: 0.609 Max BC CSI: 0.686 Max Web CSI: 0.902 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh Y 301 /- /- /173 /56 /427 S 2288 /- /- /1442 /44 /- L 1804 /- /- /1016 /- /- K 238 /-102 /- /161 /94 /- Non-Gravity Loc R+ /R- /Rh Y 301 /- /- /173 /56 /427 S 2288 /- /- /1442 /44 /- L 1804 /- /- /1016 /- /- K 238 /-102 /- /161 /94 /- Wind reactions based on MWFRS Y Brg Width = 3.0 Min Req = 1.5 S Brg Width = 4.0 Min Req = 2.7 L Brg Width = 4.0 Min Req = 2.1 K Brg Width = 3.0 Min Req = 1.5 Bearings Y, S, L, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 271 -375 F - G 133 -1253 C - D 969 -233 G - H 150 -946 D - E 87 -719 H - I 468 -29 E - F 133 -1253

Lumber
Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; M2,M3,M4 2x4 SP #2;
Filler: 2x4 SP #2;

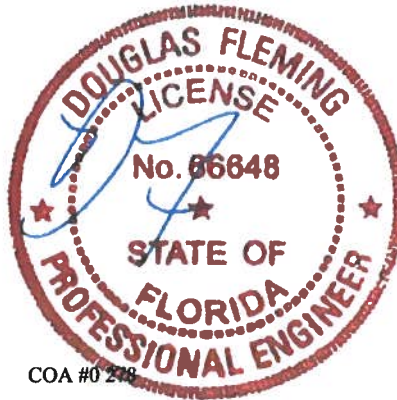
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.

Purlins
Laterally brace BC at 24" oc in lieu of rigid ceiling.
Laterally brace BC above filler at 24" oc.

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

Additional Notes
Refer to General Notes for additional information
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
The overall height of this truss excluding overhang is 11-0-0.



COA #0 278
12/31/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	328 -785	P - O	559 -154
R - Q	338 -771	O - N	572 -157
Q - P	521 -166	N - M	744 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	427 -993	F - N	18 -478
D - S	321 -1753	N - G	723 -79
D - Q	1283 -61	M - G	0 -512
E - Q	72 -788	M - H	1083 0
E - N	914 0	L - H	176 -1480

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

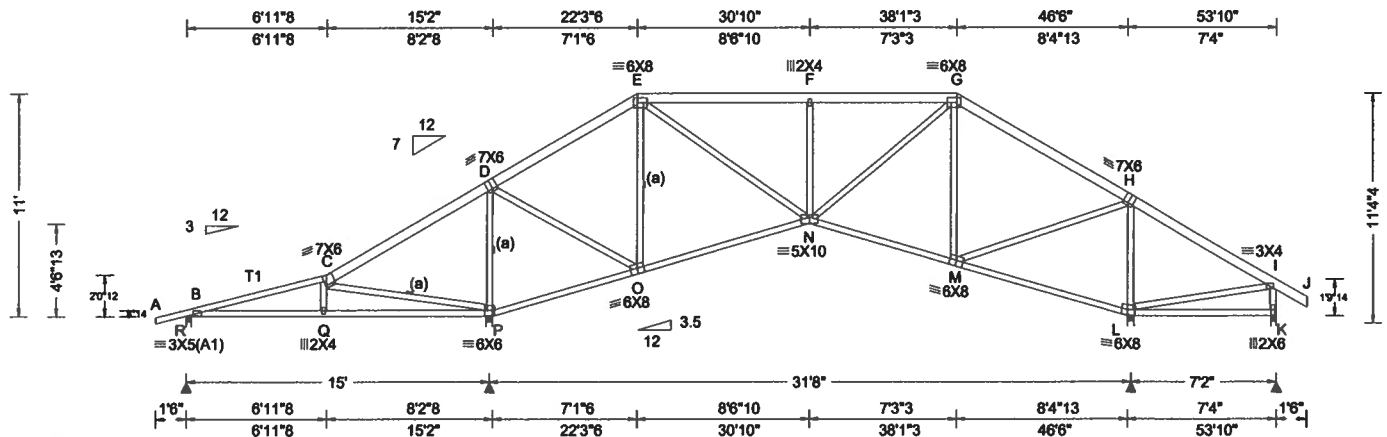
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 564040 FROM: CDM	COMM Qty: 7	Ply: 1 Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: A03	Cust: R 215 JRef: 1WR12150004 T22 DrwNo: 365.19.1349.00230 SSB / DF 12/31/2019
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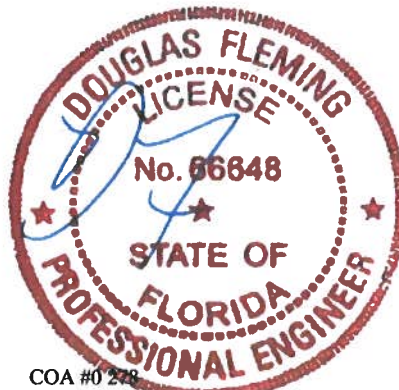
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.97 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.38 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.051 F 999 240 VERT(CL): 0.107 F 999 180 HORZ(LL): 0.030 K - - HORZ(TL): 0.066 K - - Creep Factor: 2.0 Max TC CSI: 0.614 Max BC CSI: 0.603 Max Web CSI: 0.903 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 304 /- /- /176 /56 /427 P 2284 /- /- /1438 /45 /- L 1805 /- /- /1017 /- /- K 238 /-102 /- /162 /94 /- Wind reactions based on MWFRS R Brg Width = 3.0 Min Req = 1.5 P Brg Width = 4.0 Min Req = 2.7 L Brg Width = 4.0 Min Req = 2.1 K Brg Width = 3.0 Min Req = 1.5 Bearings R, P, L, & K are a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord: 2x6 SP 2400f-2.0E; T1 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
Refer to General Notes for additional information
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
The overall height of this truss excluding overhang is 11'-0".



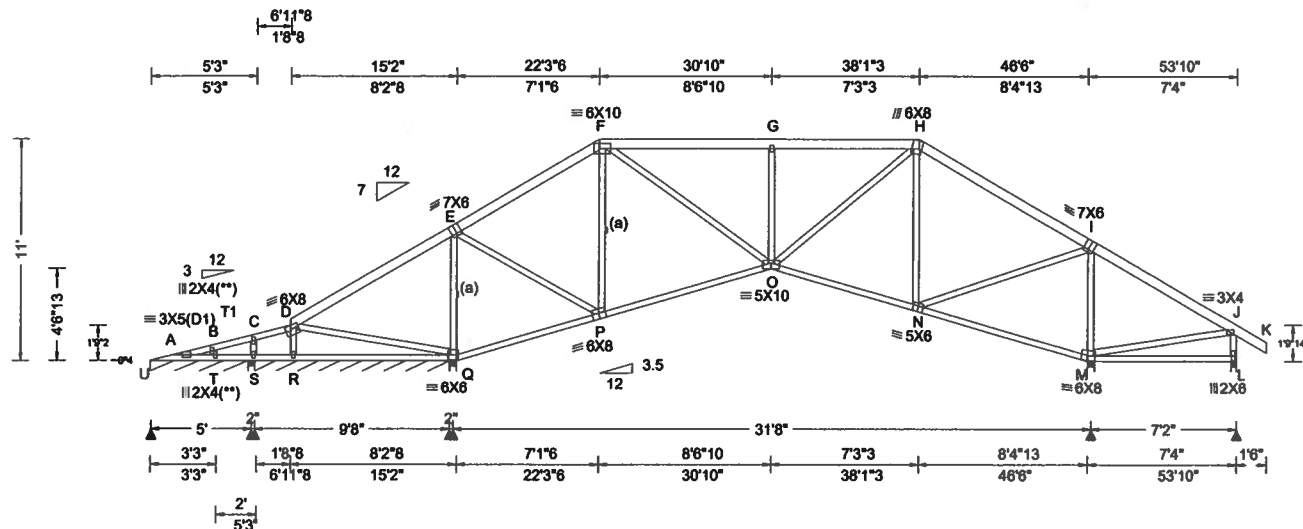
COA #0 228
12/31/2019

Maximum Top Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
C - D	953 -236	F - G	133 -1258
D - E	88 -716	G - H	150 -947
E - F	133 -1258	H - I	467 -29
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	343 -797	N - M	746 0
O - N	572 -164		
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	429 -980	F - N	18 -478
D - P	324 -1733	N - G	728 -78
D - O	1263 -64	M - G	0 -514
E - O	71 -795	M - H	1083 0
E - N	923 0	L - H	176 -1481

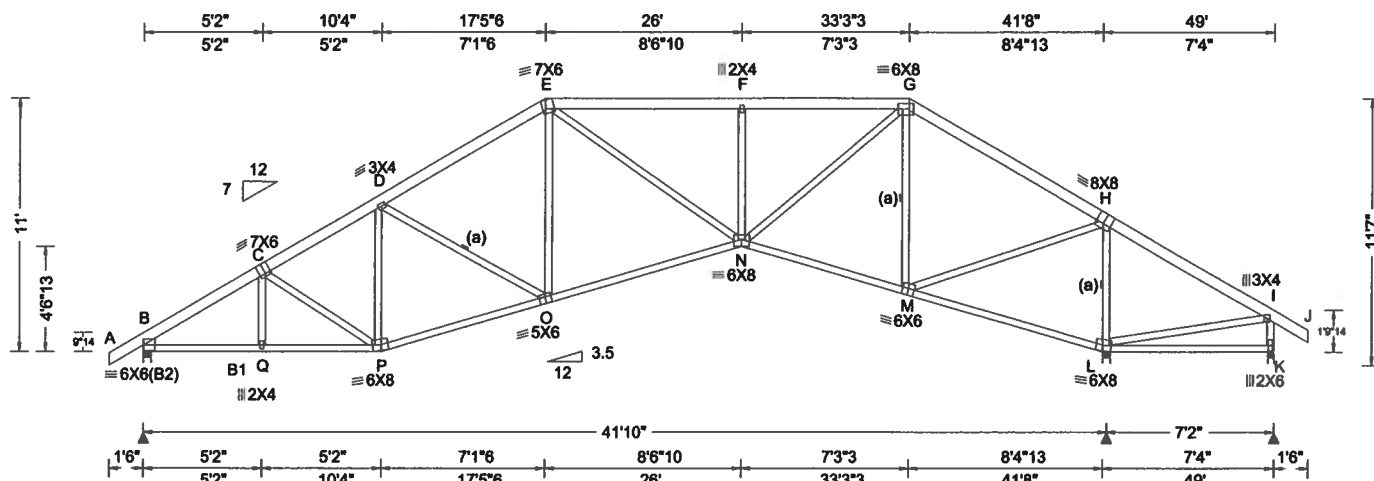
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 564048 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: A04	Cust: R 215 JRef: 1WRI2150004 T5 DrwNo: 365.19.1349.01650 SSB / DF 12/31/2019
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SEQN: 564046 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: B01	Cust: R 215 JRef: 1WRI2150004 T4 DrwNo: 365.19.1349.02653 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.78 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.90 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.119 F 999 240 VERT(CL): 0.236 F 999 180 HORZ(LL): 0.080 K - - HORZ(TL): 0.159 K - - Creep Factor: 2.0 Max TC CSI: 0.314 Max BC CSI: 0.901 Max Web CSI: 0.893 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1634 - / - / /1009 /29 /440 L 2839 - / - / /1533 - / - K 8 -561 - / /150 /381 - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 L Brg Width = 4.0 Min Req = 3.4 K Brg Width = 3.0 Min Req = 1.5 Bearings B, L, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x6 SP 2400F-2.0E;
Bot chord: 2x4 SP #2; B1 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

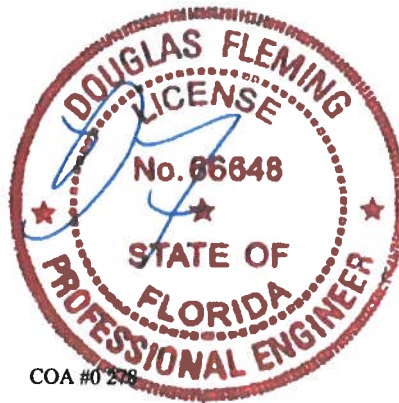
Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -561# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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



COA #0228

12/31/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	1942 -328	O - N	1854 -177
Q - P	1942 -329	N - M	936 0
P - O	1931 -261	M - L	138 -993

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - O	386 -135	M - H	1935 -51
E - N	517 -22	L - H	312 -2224
N - G	1695 -88	L - I	107 -909
F - N	19 -462	I - K	619 -141
M - G	55 -1041		

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

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

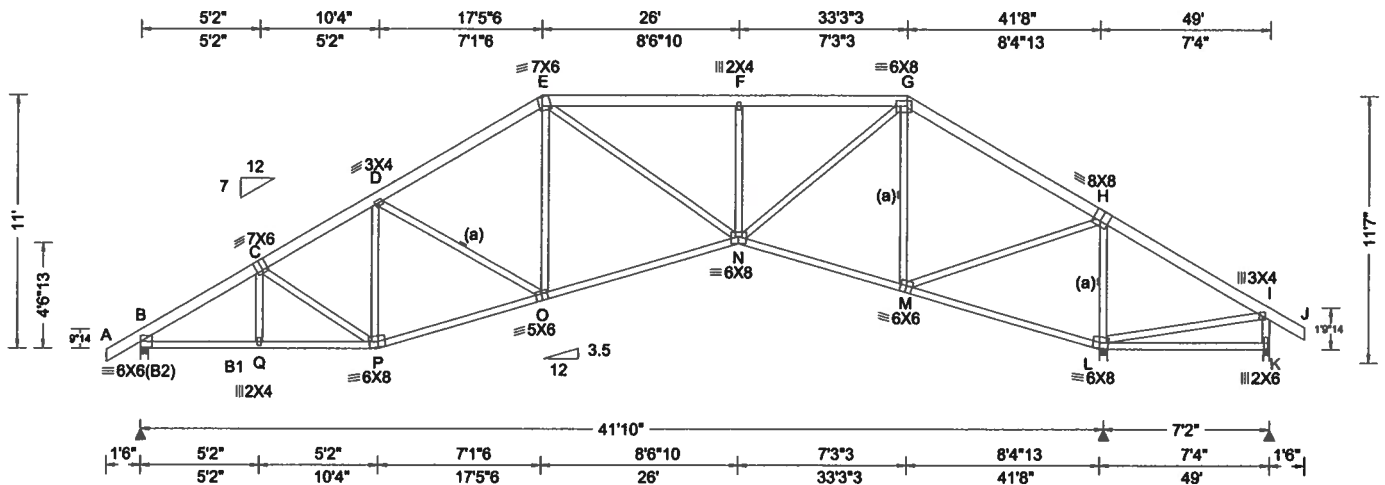
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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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.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 564051 FROM: CDM	SPEC Qty: 1	Job Number: 19-3851 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: B02	Cust: R 215 JRef: 1WRI2150004 T8 DrwNo: 365.19.1349.04050 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.78 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.90 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.119 F 999 240 VERT(CL): 0.236 F 999 180 HORZ(LL): 0.080 K - - HORZ(TL): 0.159 K - - Creep Factor: 2.0 Max TC CSI: 0.314 Max BC CSI: 0.901 Max Web CSI: 0.893 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1634 - / - / /1009 /29 /440 L 2839 - / - / /1533 - / - K 8 - / -561 - / /150 /381 - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 L Brg Width = 4.0 Min Req = 3.4 K Brg Width = 3.0 Min Req = 1.5 Bearings B, L, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B1 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

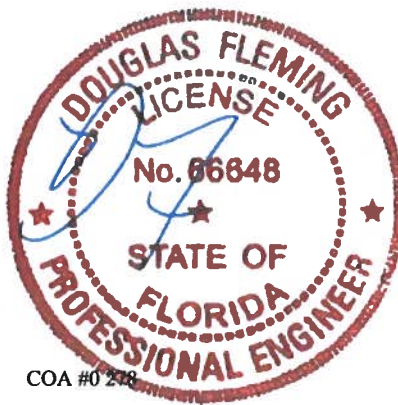
Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -561# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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



COA #0 248

12/31/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	1942 -328	O - N	1854 -177
Q - P	1942 -329	N - M	936 0
P - O	1931 -261	M - L	138 -993

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - O	386 -135	M - H	1935 -51
E - N	517 -22	L - H	312 -2224
N - G	1695 -88	L - I	107 -909
F - N	19 -462	I - K	619 -141
M - G	55 -1041		

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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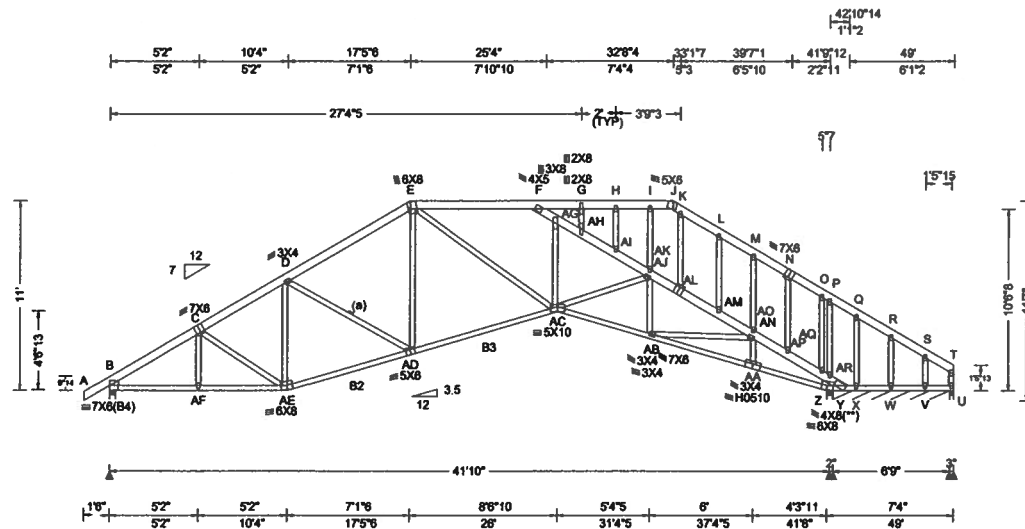
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 564059 FROM: CDM	COMN Qty: 1	Ply: 1 Job Number: 19-3851 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: B03	Cust: R 215 JRef: 1WR12150004 T19 DrwNo: 365.19.1349.11000 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.78 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.90 ft Loc. from endwall: not in 13.00 ft GCpt: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.335 G 999 240 VERT(CL): 0.662 G 755 180 HORZ(LL): 0.285 T - - HORZ(TL): 0.565 T - - Creep Factor: 2.0 Max TC CSI: 0.534 Max BC CSI: 0.964 Max Web CSI: 0.650 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / Rh B 1805 - / - / 1162 / 8 / 328 Z - / -608 - / - / 306 - / - Z* 386 - / - / 1221 - / - / - U 216 - / - / 129 - / - / - W - / -145 Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 Z Brg Width = 4.0 Min Req = 1.5 Z Brg Width = 81.0 Min Req = - U Brg Width = 3.0 Min Req = 1.5 Bearings B, Z, Z, & U are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

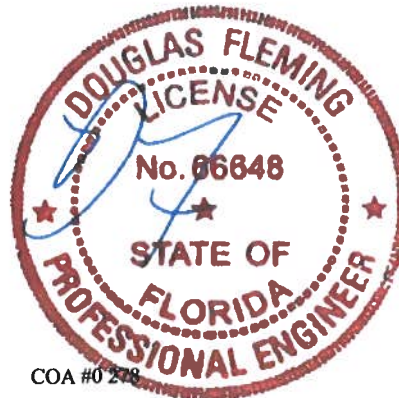
Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -608# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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



COA #0278

12/31/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AF	2186 - 538	AC-AB	4170 - 239
AF-AE	2186 - 538	AB-AA	3871 - 75
AE-AD	2227 - 481	AA-Z	3835 - 82
AD-AC	2192 - 373	Z - Y	3694 - 79

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - AE	95 - 438	AJ - I	51 - 455
E - AC	1188 0	AK - AL	278 - 4468
F - AG	294 - 2957	AL - AM	274 - 4498
AG - AC	1577 - 162	AM - AN	268 - 4527
AG - AH	387 - 3875	AN - AO	246 - 4521
AC - AK	7 - 995	AO - AP	94 - 4263
AH - G	850 - 106	AP - AQ	86 - 4250
AH - AI	340 - 3501	AQ - AR	82 - 4222
AI - AJ	345 - 3603	AR - P	0 - 470
AJ - AK	353 - 3821	AR - Y	81 - 4459

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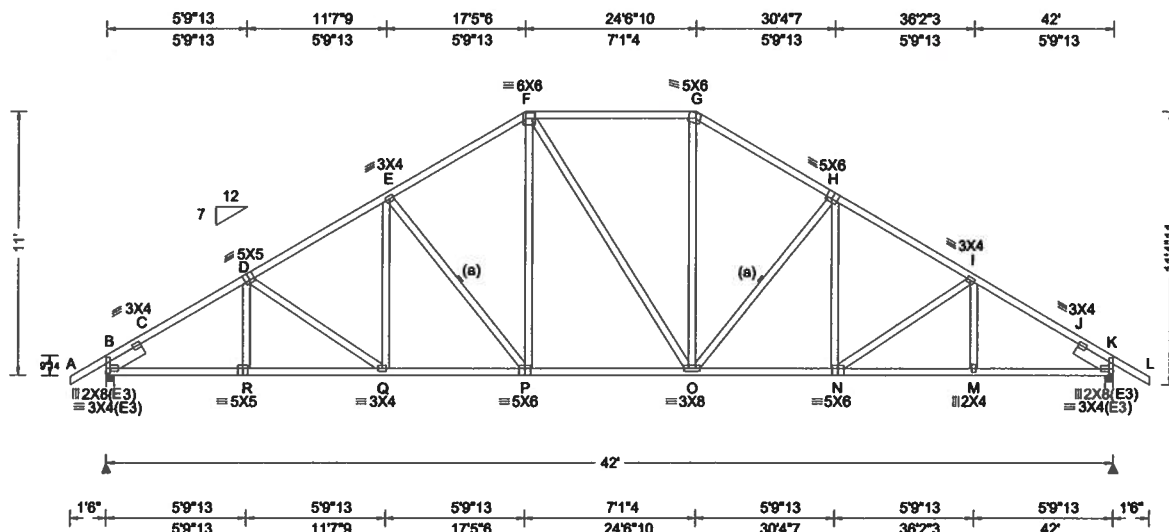
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
ANITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 564007 FROM: CDM	COMN Ply: 1 Qty: 7	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C01	Cust: R 215 JRef: 1WRI2150004 T24 DrwNo: 365.19.1349.11970 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.51 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.20 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.178 P 999 240 VERT(CL): 0.326 P 999 180 HORZ(LL): 0.091 J - - HORZ(TL): 0.167 J - - Creep Factor: 2.0 Max TC CSI: 0.617 Max BC CSI: 0.755 Max Web CSI: 0.632 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1927 - / - / - / 1046 / 306 / 374 K 1927 - / - / - / 1046 / 306 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.3 K Brg Width = 4.0 Min Req = 2.3 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 768 -2931 G - H 677 -2216 C - D 740 -2876 H - I 724 -2632 D - E 724 -2632 I - J 740 -2877 E - F 681 -2225 J - K 768 -2932 F - G 634 -1849

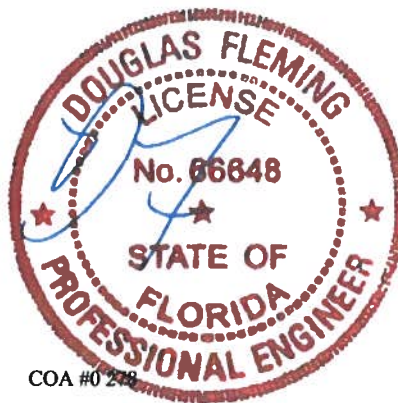
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x8 SP 2400f-2.0E; block length = 1.738'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.738'

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

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

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

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



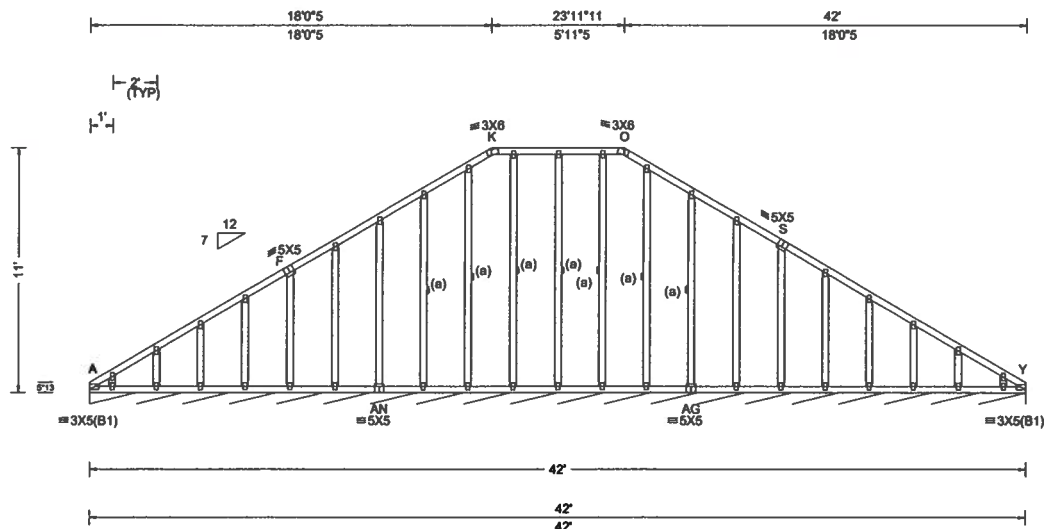
COA #0 278
12/31/2019

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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.sbcdindustry.com; ICC: www.iccsafe.org

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

SEQN: 564003 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C02	Cust: R 215 JRef: 1WRI2150004 T11 DrwNo: 365.19.1349.13050 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Δ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.51 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.20 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 K 999 240 VERT(CL): 0.004 K 999 180 HORZ(LL): 0.001 M - - HORZ(TL): 0.002 M - - Creep Factor: 2.0 Max TC CSI: 0.045 Max BC CSI: 0.030 Max Web CSI: 0.143 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Y* 80 /- /- /46 /- /1 Wind reactions based on MWFRS Y Brg Width = 504 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

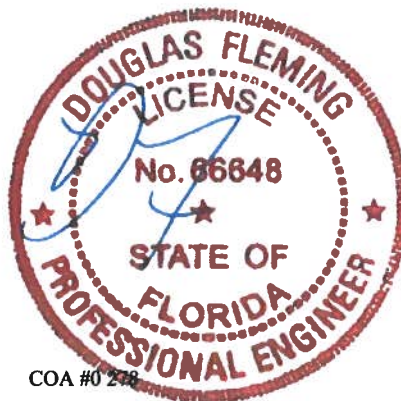
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

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



COA #0 278
12/31/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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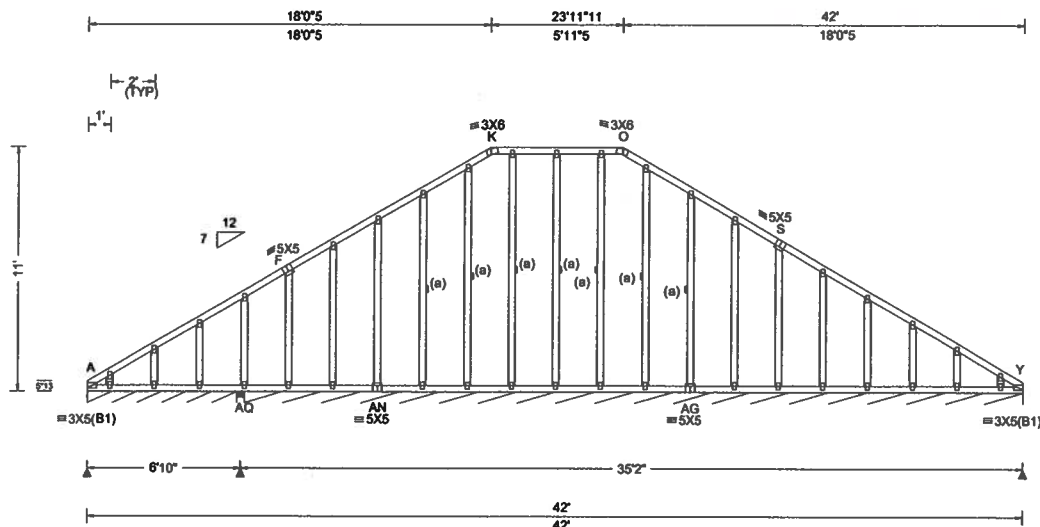
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 563984 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C03	Cust: R 215 JRef: 1WRI2150004 T15 DrwNo: 365.19.1349.14217 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF					
				Gravity			Non-Gravity		
				Loc	R+	/ R-	/ Rh	/ Rw	/ U
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	A* 74	/-	/-	/45	/-	/6
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 K 999 240	AQ 160	/-	/-	/94	/-	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 K 999 180	Y* 77	/-	/-	/45	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 N - -	Wind reactions based on MWFRS					
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.002 V - -	A Brg Width = 80.0 Min Req = -					
NCBCLL: 10.00	Mean Height: 15.51 ft		Creep Factor: 2.0	AQ Brg Width = 4.0 Min Req = 1.5					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.045	Y Brg Width = 420 Min Req = -					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.030	Bearings A, AQ, & AQ are a rigid surface.					
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.143	Members not listed have forces less than 375#					
	C&C Dist a: 4.20 ft	Bldg Code: FBC 2017 RES							
	Loc. from endwall: Any	TPI Std: 2014							
	GCpi: 0.18	Rep Fac: Yes							
	Wind Duration: 1.60	FT/RT:20(0)/10(0)							
		Plate Type(s):							
		WAVE	VIEW Ver: 18.02.01B.0321.08						

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

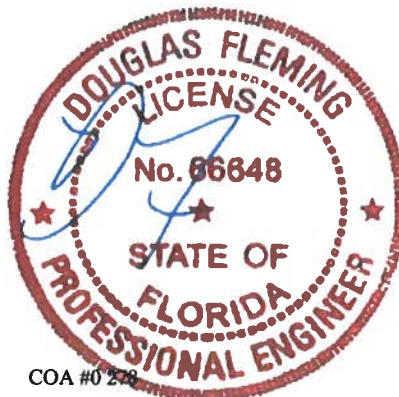
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 11-0-0.



COA #0 228

12/31/2019

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

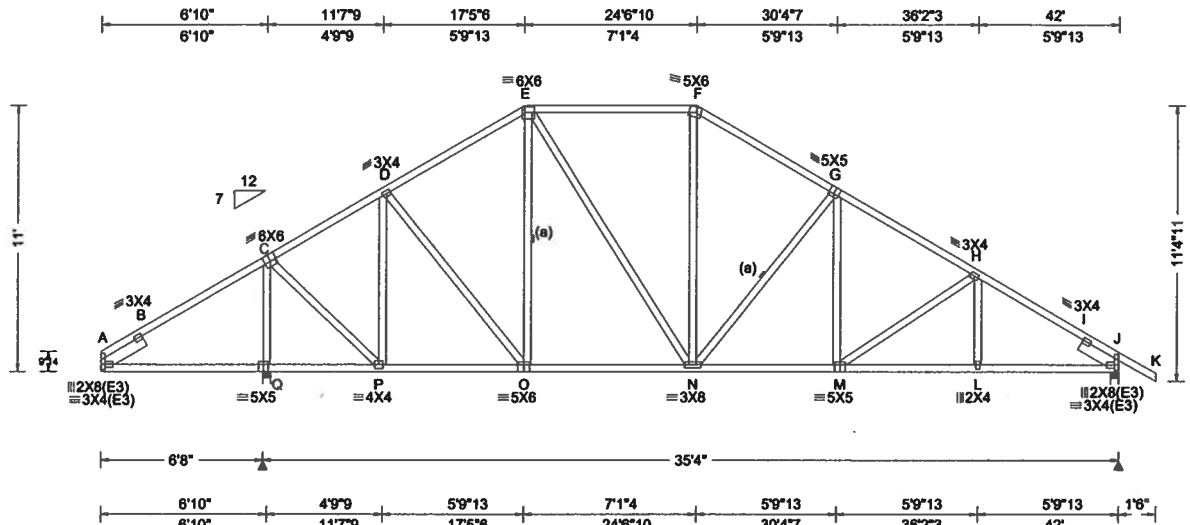
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 563988 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C04	Cust: R 215 JRef: 1WR12150004 T28 DrwNo: 365.19.1349.16440 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.126 B 491 240	Q	2183	/-	/-	/1288	/284	/358
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.258 B 238 180	J	1573	/-	/-	/899	/256	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 B - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.149 B - -	Q	Brg Width = 4.0		Min Req = 2.6			
Des Ld: 40.00	Mean Height: 15.51 ft		Creep Factor: 2.0	J	Brg Width = 4.0		Min Req = 1.9			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.751	Bearings Q & J are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.628	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.908	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.20 ft			Chords	Tens.Comp.	Chords	Tens. Comp.			
	Loc. from endwall: Any			A - B	615	-423	F - G	526	-1547	
	GCpi: 0.18									
	Wind Duration: 1.60									
									</	

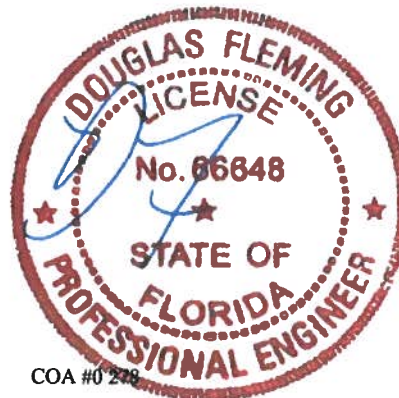
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 2.075'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.780'

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

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

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

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



COA #0228
12/31/2019

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
Q - P	304 -412	N - M	1631 -229		
P - O	722 -198	M - L	1865 -374		
O - N	1037 -91	L - J	1868 -373		

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.	Webs	Tens. Comp.		
Q - C	592 -2018	D - O	512 -43		
C - P	1405 -279	E - N	422 -118		
P - D	237 -866	N - G	274 -589		

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ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.148 B 418 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.306 B 202 180	V 2073 /- /- /1287 /282 /357
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.058 B - -	L 1534 /- /- /899 /255 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.110 B - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.51 ft	Code / Misc Criteria	Creep Factor: 2.0	V Brg Width = 4.0 Min Req = 2.1
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.821	L Brg Width = 4.0 Min Req = 1.8
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.648	Bearings V & L are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.769	Members not listed have forces less than 375#
	C&C Dist a: 4.20 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	A - B 585 -384 G - H 476 -1101
	Wind Duration: 1.60			

Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.Comp.		Chords	
V - U	284	-366	P - O	1569	-227
T - S	427	-306	O - N	1808	-373
S - Q	935	-186	N - L	1811	-373

Maximum Web Forces Per Ply (lbs)					
Webs		Tens.Comp.		Webs	
V - C	526	-1824	F - Q	464	-158
C - T	1180	-202	Q - P	1212	-64
T - D	248	-1103	P - H	492	-177
D - S	941	-206	P - I	269	-589
S - E	203	-617			

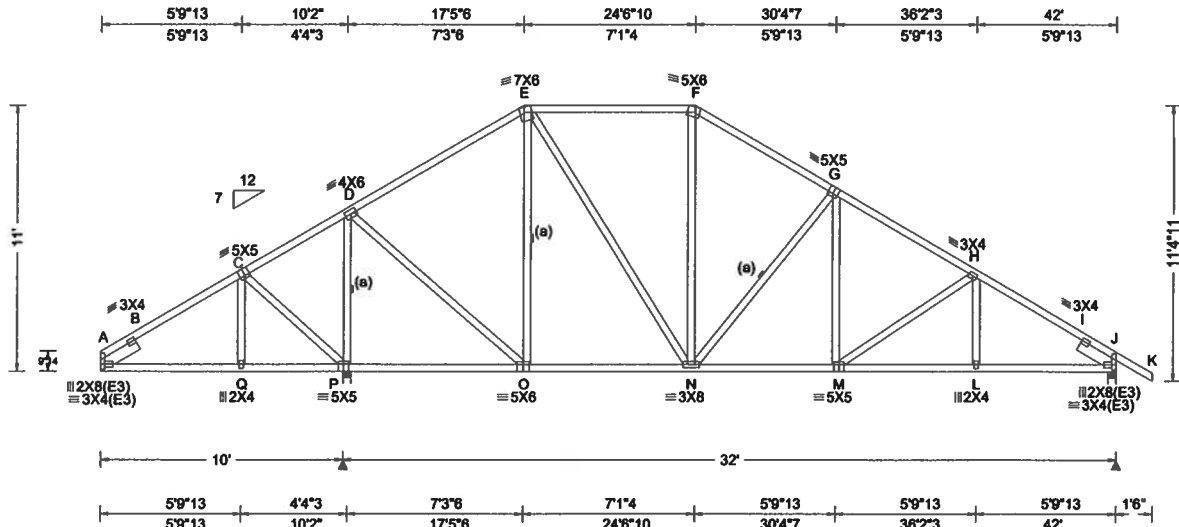
12/31/2019

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

ALPINE
AN ITW COMPANY

6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 563994 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C06	Cust: R 215 JRef: 1WR12150004 T26 DrwNo: 365.19.1349.19997 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.090 B 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.175 B 589 180	P	2401	/-	/-	/1482	/288	/358
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 B - -	J	1356	/-	/-	/813	/229	/-
	EXP: C Kzt: NA		HORZ(TL): 0.084 B - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.51 ft		Creep Factor: 2.0	P	Brg Width = 4.0		Min Req = 2.8			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.624	J	Brg Width = 4.0		Min Req = 1.6			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.561	Bearings P & J are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.546	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 4.20 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 13.00 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpl: 0.18			A - B	455	-268	F - G	362	-1135	
	Wind Duration: 1.60									

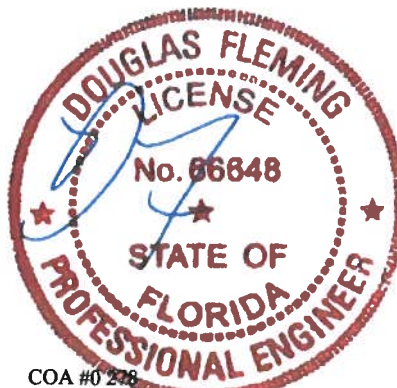
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.738'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.738'

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

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

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

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



COA #0 238
12/31/2019

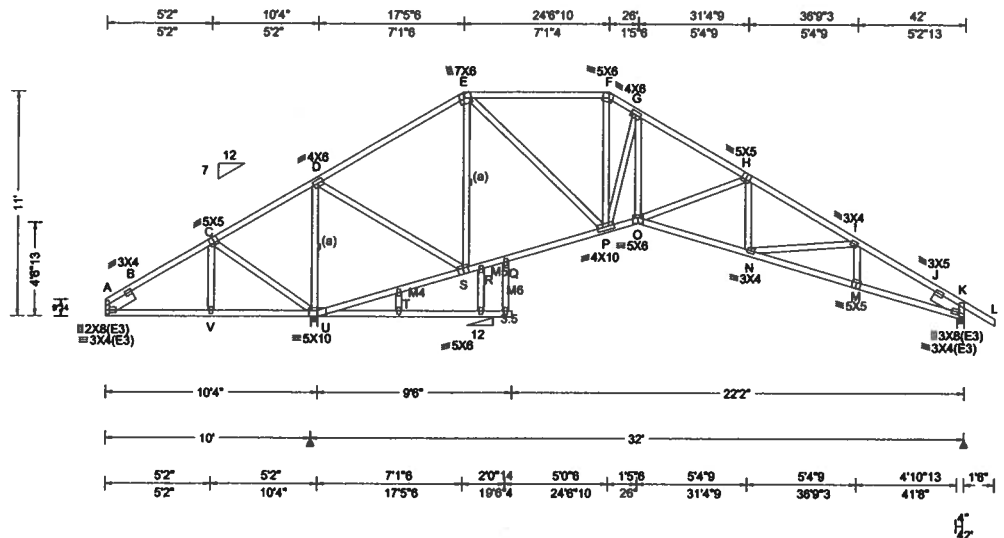
Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.		Chords	Tens. Comp.	
P - O	512	-574	M - L	1546	-204
O - N	569	-135	L - J	1549	-203
N - M	1284	-94			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
C - P	379	-454	E - O	271	-688
P - D	487	-1963	E - N	665	-171
D - O	1434	-284	N - G	201	-605

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

SEQN: 564028 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C07	Cust: R 215 JRef: 1WRI2150004 T25 DrwNo: 365.19.1349.22227 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity				
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.194 N 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.416 N 913 180	U	2226	/-	/-	/1497	/89	/358	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.154 J - -	K	1298	/-	/-	/795	/51	/-	
	EXP: C Kzt: NA		HORZ(TL): 0.340 J - -	Wind reactions based on MWFRS							
Des Ld: 40.00	Mean Height: 15.51 ft	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	U	Brg Width = 4.0		Min Req = 2.6				
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.921	K	Brg Width = 4.0		Min Req = 1.5				
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.889	Bearings U & K are a rigid surface.							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.907	Members not listed have forces less than 375#							
Spacing: 24.0 "	C&C Dist a: 4.20 ft			Maximum Top Chord Forces Per Ply (lbs)							
	Loc. from endwall: not in 13.00 ft			Chords	Tens.	Comp.	Chords	Tens.	Comp.		
	GCpi: 0.18		VIEW Ver: 18.02.01B.0321.08	B - C	381	- 175	G - H	337	- 2061		
	Wind Duration: 1.60										

Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3; M4,M5,M6 2x4 SP #2;
 Filler 2x4 SP #2;
 Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.550'
 Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.756'

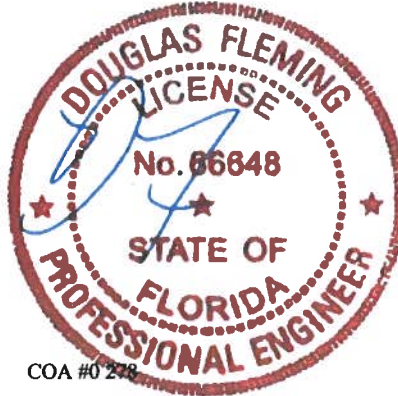
Bracing
 (a) Continuous lateral restraint equally spaced on member.

Plating Notes
 All plates are 2X4 except as noted.

Purlins
 Laterally brace BC at 24" oc in lieu of rigid ceiling.
 Laterally brace BC above filler at 24" oc.

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

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



COA #0 238
 12/31/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
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U - T	555 -670	P - O	1739 0
T - S	559 -656	O - N	2379 -167
S - R	658 -163	N - M	2483 -318
R - Q	691 -152	M - K	2449 -324
Q - P	705 -154		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
------	------------	------	-------------

C - U	385 -483	P - F	474 -114
D - U	381 -1681	P - G	175 -1334
D - S	1297 -201	G - O	1389 -98
E - S	213 -836	O - H	231 -629
E - P	971 -95		

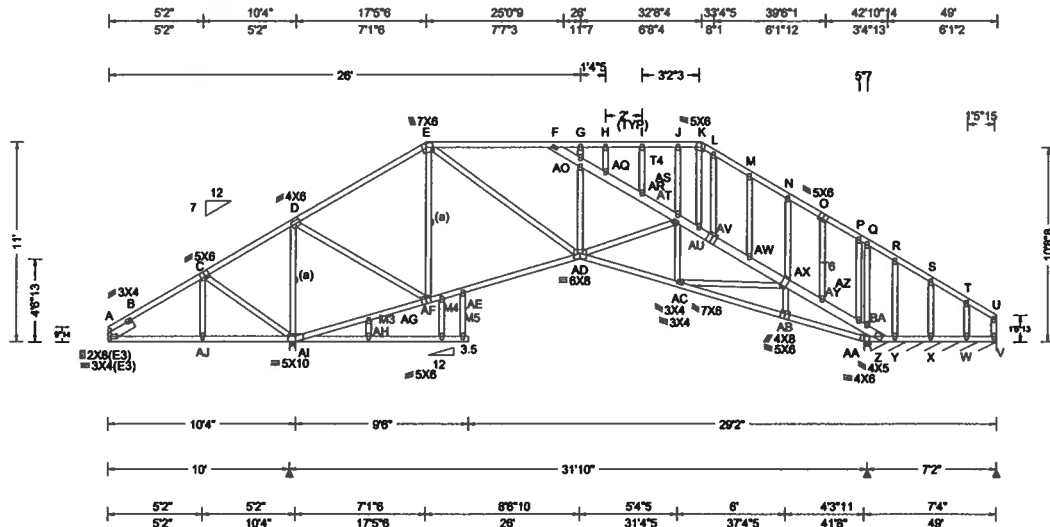
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ALPINE
 AN ITW COMPANY
 6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 564037 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: C08	Cust: R 215 JRef: 1WRI2150004 T12 DrwNo: 365.19.1349.25063 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.201 I 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.400 I 939 180	AI 2262 /- /- /- /- /-
BCDL: 10.00	Risk Category:	Snow Duration: NA	HORZ(LL): 0.192 U - -	AA - /-471 /- /- /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.381 U - -	V* 304 /- /- /- /- /-
NCBCLL: 0.00	Mean Height: 0.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.699	AI Brg Width = 4.0 Min Req = 2.7
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.932	AA Brg Width = 4.0 Min Req = 2.5
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.581	V Brg Width = 84.0 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearings AI, AA, & AA are a rigid surface.
	Loc. from endwall: NA	Plate Type(s):		Members not listed have forces less than 375#
	GCpl: 0.18	WAVE		Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 0.00		VIEW Ver: 18.02.018.0321.08	Chords Tens.Comp. Chords Tens. Comp.

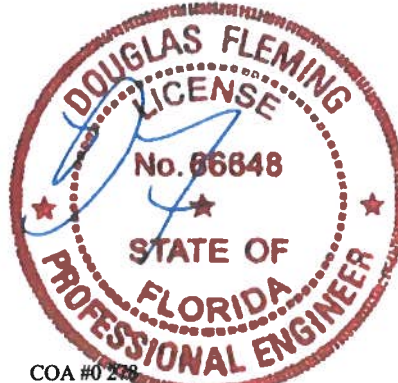
Lumber
Top chord: 2x4 SP #2; T4,T6 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; M3,M4,M5 2x4 SP #2;
Filler 2x4 SP #2;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.550'

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

Plating Notes
All plates are 2X4 except as noted.

Purlins
Laterally brace BC at 48" oc in lieu of rigid ceiling.
Laterally brace BC above filler at 48" oc.
Laterally brace TC below filler at 24" oc.

Additional Notes
Refer to General Notes for additional information
Negative reaction(s) of -471# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
The overall height of this truss excluding overhang is 11'-0-0.



COA #0 238
12/31/2019

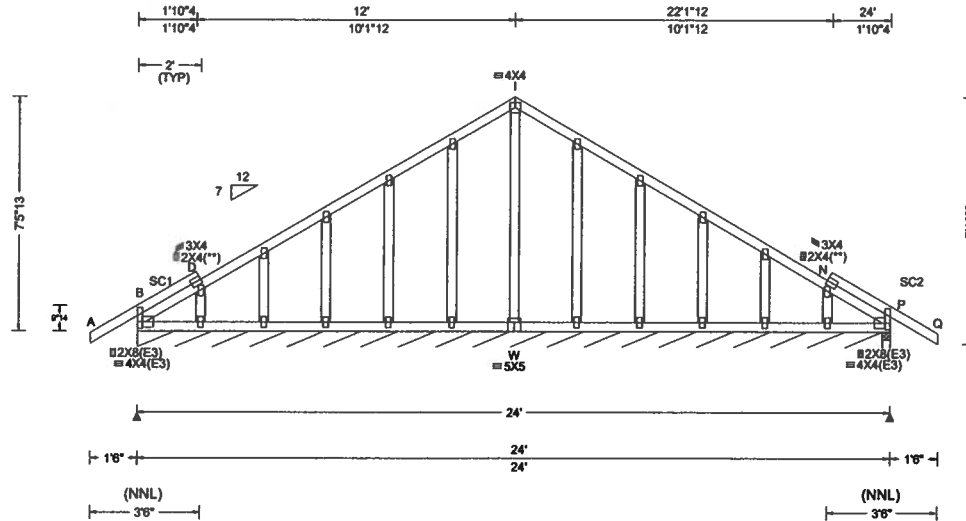
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety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

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

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

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

SEQN: 563939 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3851 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: D01	Cust: R 215 JRef: 1WRI2150004 T2 DrwNo: 365.19.1349.26207 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 I 999 240 VERT(CL): 0.001 J 999 180 HORZ(LL): 0.003 R - - HORZ(TL): 0.003 K - - Creep Factor: 2.0 Max TC CSI: 0.172 Max BC CSI: 0.038 Max Web CSI: 0.139 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 80 /- /- /41 /15 /9 P 217 /- /- /132 /38 /- Wind reactions based on MWFRS B Brg Width = 285 Min Req = - P Brg Width = 3.0 Min Req = 1.5 Bearings B & P are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2x4 except as noted.

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

Purlins

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

Wind

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

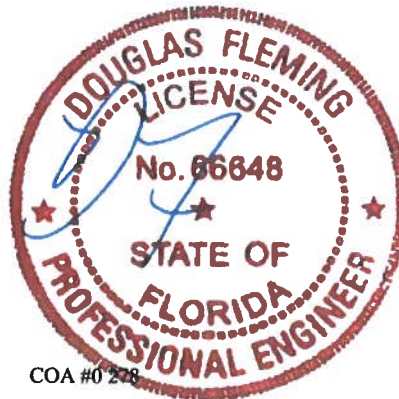
Additional Notes

Refer to General Notes for additional information

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

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

The overall height of this truss excluding overhang is 7'-5"-13".



COA #0 228

12/31/2019

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

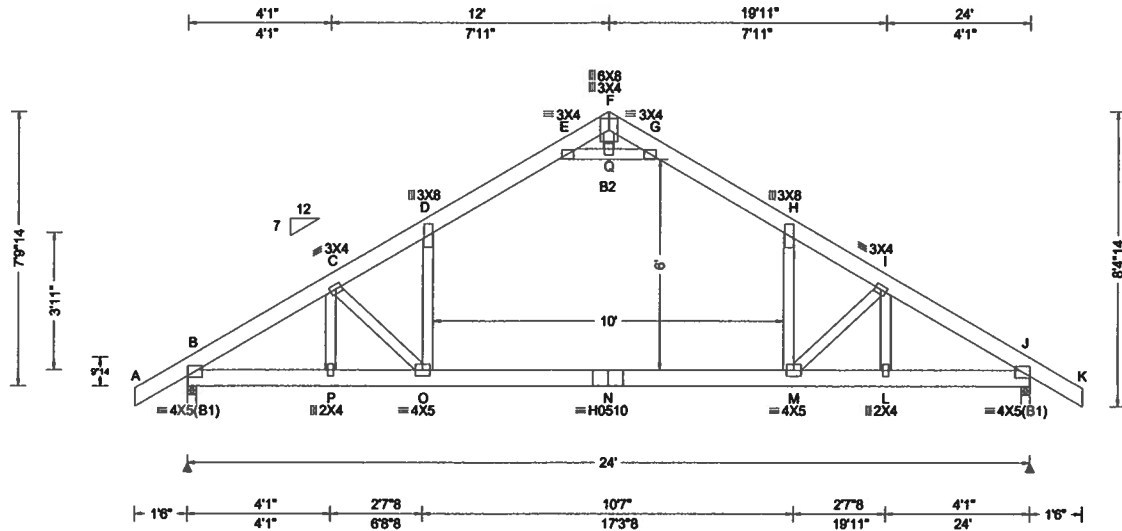
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 573875 FROM: CDM	ATIC Qty: 4	Ply: 1 Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: D02	Cust: R 215 JRef: 1WRI2150004 T1 DrwNo: 365.19.1349.27413 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.209 O 999 240 VERT(CL): 0.387 O 736 180 HORZ(LL): 0.115 D - - HORZ(TL): 0.218 D - - Creep Factor: 2.0 Max TC CSI: 0.580 Max BC CSI: 0.453 Max Web CSI: 0.405 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1425 /- /- /616 /188 /223 J 1425 /- /- /616 /188 /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 J Brg Width = 3.0 Min Req = 1.5 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 395 -1952 F - G 493 -58 C - D 379 -1968 G - H 356 -1404 D - E 355 -1404 H - I 378 -1968 E - F 493 -58 I - J 392 -1952

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

Attic room loading from 7-0-0 to 17-0-0: Live Load: 30 PSF. Dead Load: 5 PSF Ceiling: 1 PSF, Kneewalls: 1 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

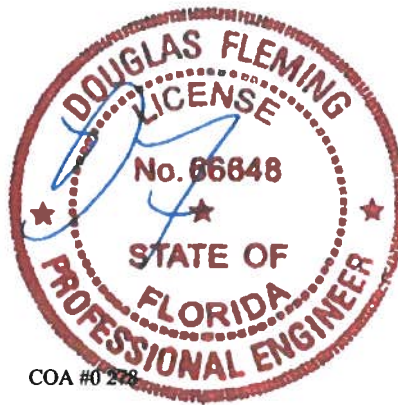
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7-9-14.



COA #0 248

12/31/2019

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

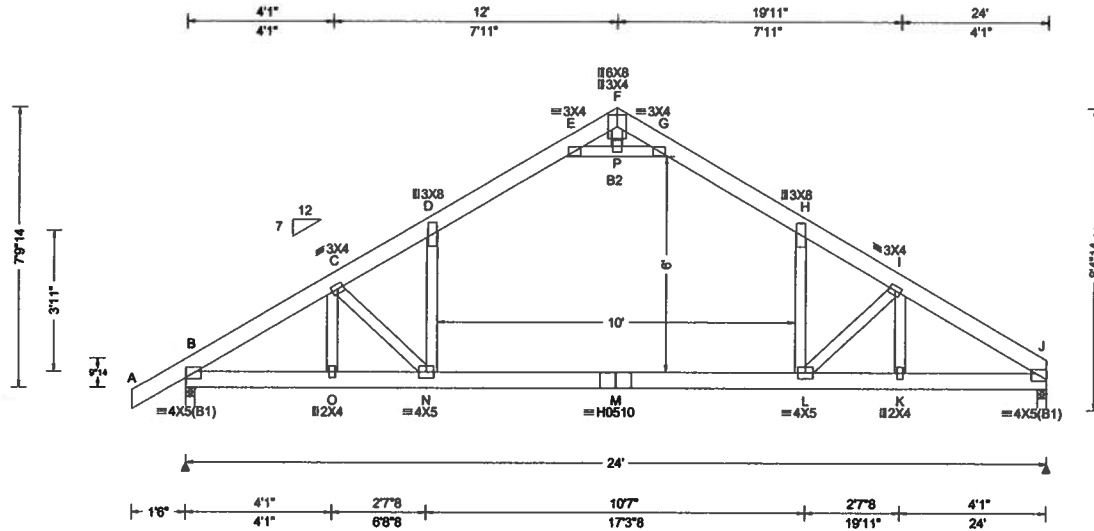
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

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

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32811



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.212 L 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.392 L 727 180	B	1429	/-	/-	/616	/189	/206
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.115 D - -	J	1325	/-	/-	/534	/161	/-
	EXP: C Kzt: NA		HORZ(TL): 0.218 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 3.0		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.585	J	Brg Width = 3.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.453	Bearings B & J are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.408	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: Any			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18			B - C	394 - 1958	F - G	498	- 60		
	Wind Duration: 1.60									

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

Attic room loading from 7-0-0 to 17-0-0: Live Load: 30 PSF. Dead Load: 5 PSF Ceiling: 1 PSF, Kneewalls: 1 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

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

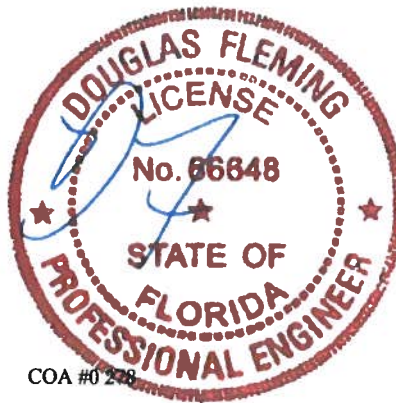
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7-9-14.



COA #0 228

12/31/2019

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

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

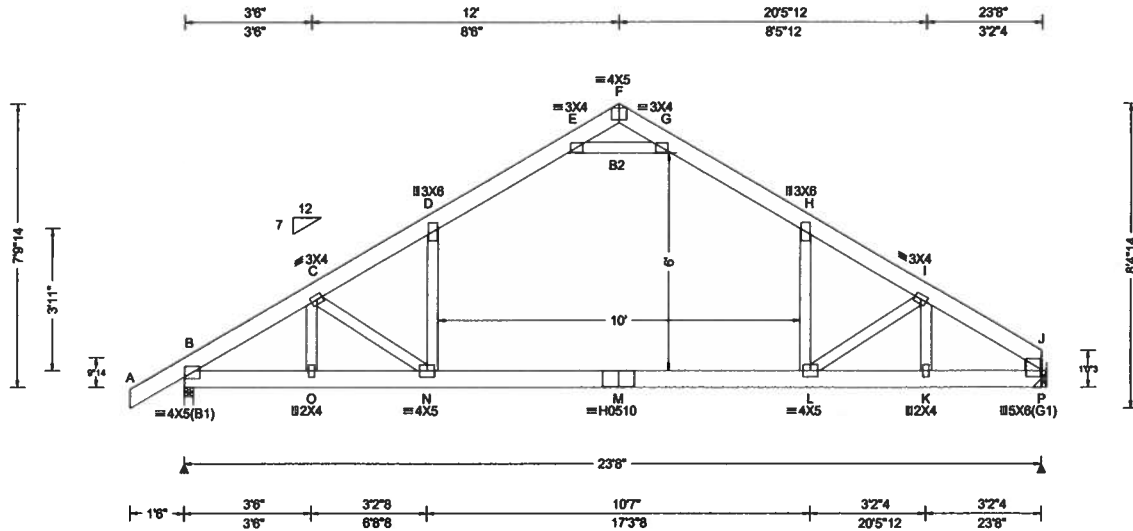
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32811

SEQN: 573880 FROM: CDM	ATIC Qty: 3	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: D04	Cust: R 215 JRef: 1WR12150004 T7 DrwNo: 365.19.1349.29380 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf In PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.218 N 999 240 VERT(CL): 0.404 N 698 180 HORZ(LL): 0.121 D - - HORZ(TL): 0.230 D - - Creep Factor: 2.0 Max TC CSI: 0.605 Max BC CSI: 0.461 Max Web CSI: 0.375 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1417 /- /- /612 /187 /202 P 1309 /- /- /522 /158 /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 P Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				B - C 285 - 1924 F - G 1115 - 149 C - D 270 - 1916 G - H 283 - 1390 D - E 277 - 1386 H - I 287 - 1928 E - F 1118 - 157 I - J 309 - 1939

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Stub Wedge: 2x4 SP #3;

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

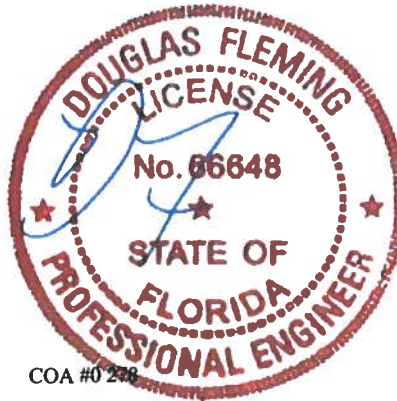
Loading
Design Dead Loads based on material weight
adjusted for slope: TC: 1.00 PSF
Attic room loading from 7-0-0 to 17-0-0: Live Load: 30
PSF. Dead Load: 5 PSF Ceiling: 1 PSF, Kneewalls: 1
PSF

Truss designed for sleeping room only. No waterbeds
permitted. Provide information to contractor,
architect, and bldg owner. Trusses to be visibly
stamped to indicate 30.00 psf MAX LL.

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is
7-9-14.



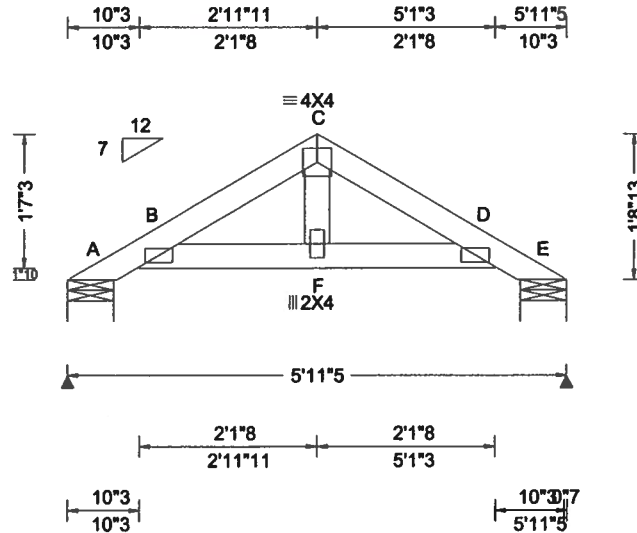
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	1584 - 209	M - L	1417 - 115
O - N	1588 - 209	L - K	1612 - 227
N - M	1417 - 115	K - J	1619 - 228

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
O - C	43 - 375	H - L	868 - 53
N - D	849 - 36	I - K	58 - 395
E - G	498 - 2709		

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

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

SEQN: 564018 FROM: CDM	GABL Ply: 1 Qty: 2	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: P01	Cust: R 215 JRef: 1WR12150004 T27 DrwNo: 365.19.1349.30570 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.51 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.004 F 999 240 VERT(CL): 0.013 F 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.007 F - - Creep Factor: 2.0 Max TC CSI: 0.168 Max BC CSI: 0.065 Max Web CSI: 0.027 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 235 /- /- /117 /- /- E 235 /- /- /117 /- /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 E Brg Width = 6.5 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

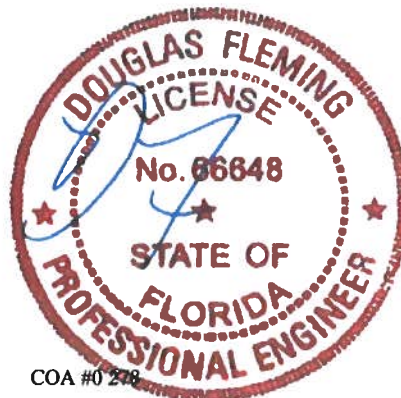
All plates are 2X4(A1) except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-8-13.



COA #0 278
12/31/2019

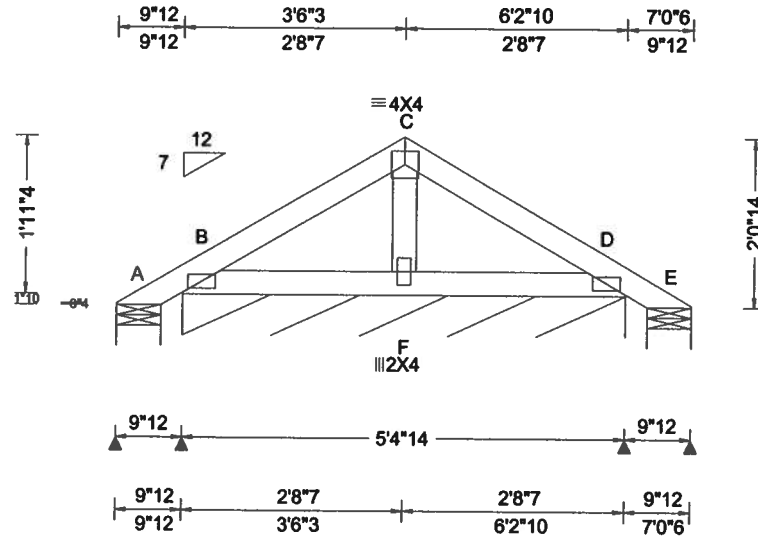
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

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

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



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.51 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): -0.000 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.068 Max BC CSI: 0.069 Max Web CSI: 0.014 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1 /-8 /- /33 /32 /52 B* 100 /- /- /46 /12 /- E 1 /-8 /- /8 /5 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 64.9 Min Req = - E Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

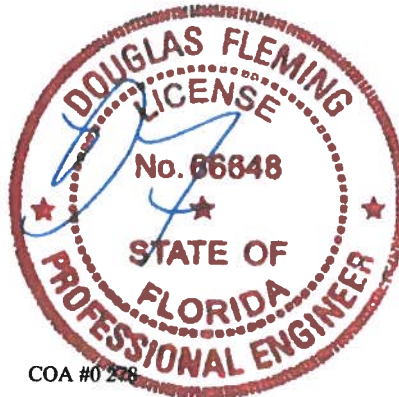
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 2'-0"-14".



COA #0 278

12/31/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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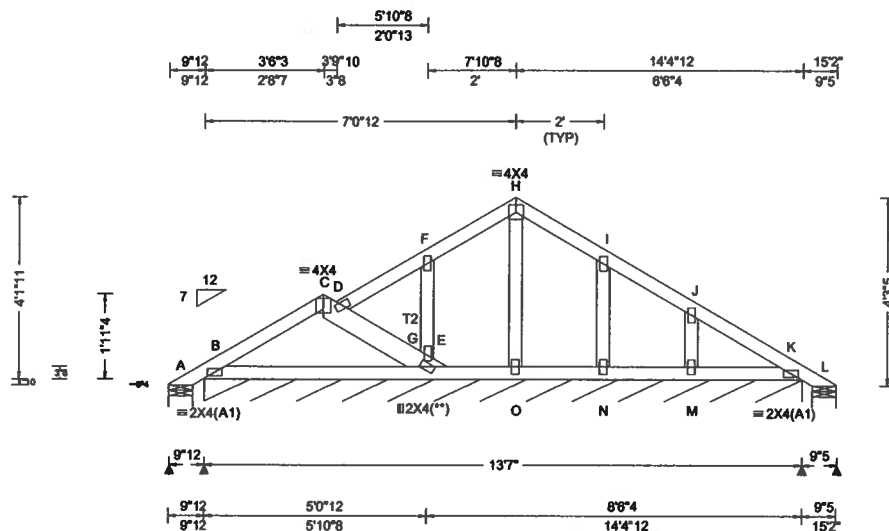
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 564061 FROM: CDM	COMM Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: P04	Cust: R 215 JRef: 1WRI2150004 T13 DrwNo: 365.19.1349.32437 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.97 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 O 999 240 VERT(CL): 0.004 O 999 180 HORZ(LL): 0.001 O - - HORZ(TL): 0.002 O - - Creep Factor: 2.0 Max TC CSI: 0.062 Max BC CSI: 0.168 Max Web CSI: 0.033 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-31 /- /14 /27 /37 B* 88 /- /- /47 /- /- L 4 /- /- /2 /- /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 162 Min Req = - L Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & L are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Wind

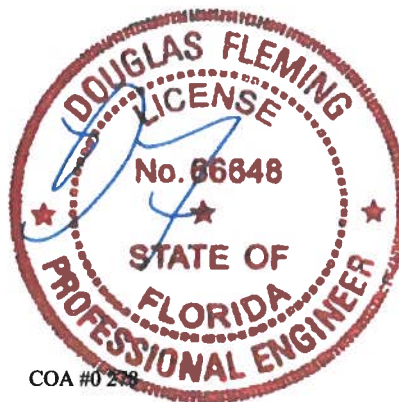
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

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



COA #0238

12/31/2019

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

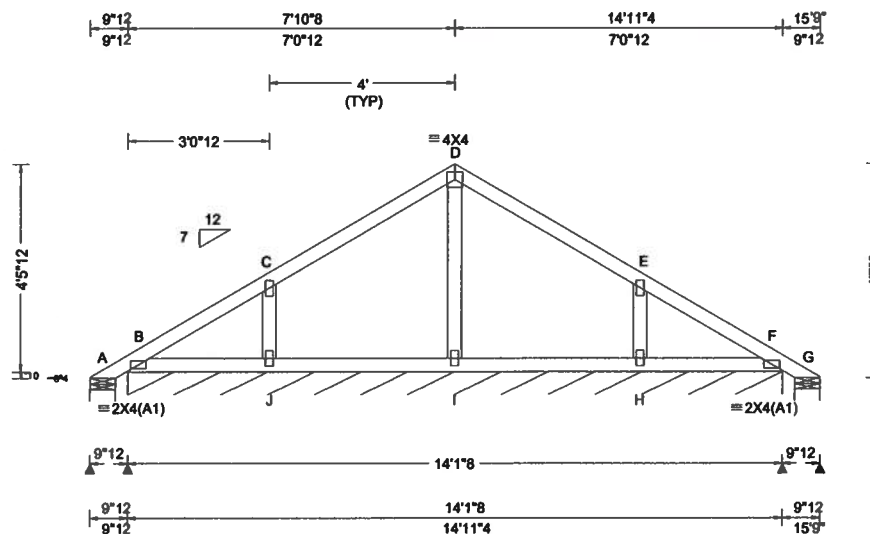
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior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

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

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

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

SEQN: 564053 FROM: CDM	COMN Ply: 1 Qty: 12	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: P05	Cust: R 215 JRef: 1WR12150004 T21 DrwNo: 365.19.1349.33267 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 H 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 D 999 180	A	11	/-	/-	/69	/63	/128
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 E - -	B*	85	/-	/-	/41	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.001 E - -	G	11	/-	/-	/5	/-	/-
Des Ld: 40.00	Mean Height: 16.97 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.194	A	Brg Width = 6.5			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.113	B	Brg Width = 169			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.060	G	Brg Width = 6.5			Min Req = 1.5		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearings A, B, & G are a rigid surface.						
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

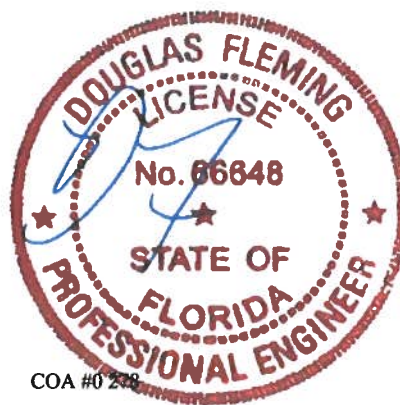
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 4'-7-6.



12/31/2019

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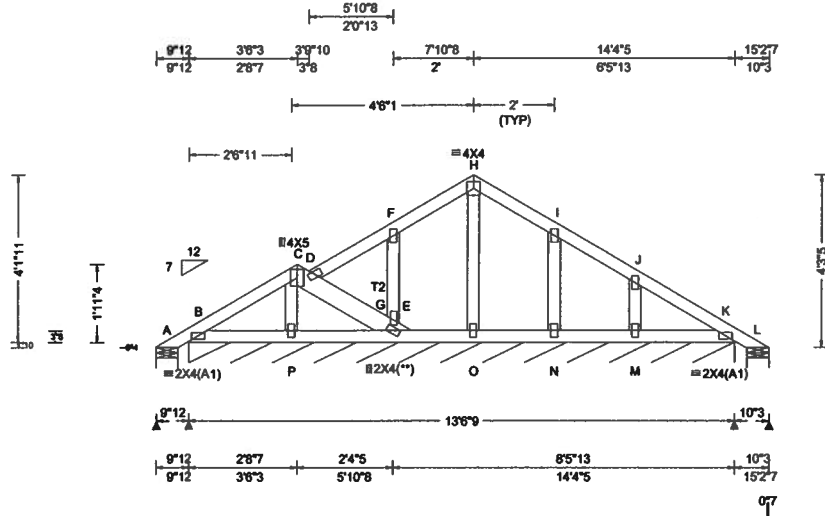
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 564063 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: P06	Cust: R 215 JRef: 1WRI2150004 T14 DrwNo: 365.19.1349.34287 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.97 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 P 999 240 VERT(CL): 0.001 P 999 180 HORZ(LL): 0.000 P - - HORZ(TL): 0.001 P - - Creep Factor: 2.0 Max TC CSI: 0.068 Max BC CSI: 0.059 Max Web CSI: 0.032 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 2 /-8 /- /24 /13 /37 B* 87 /- /- /46 /- /- L 6 /- /- /3 /- /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 162 Min Req = - L Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & L are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Wind

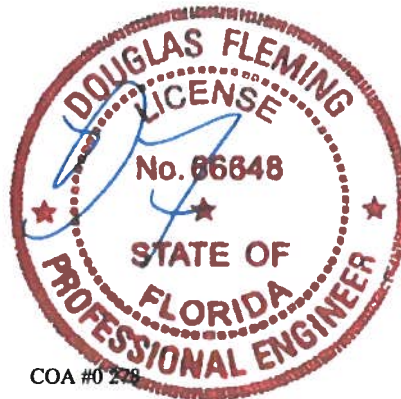
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

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



COA #0 248

12/31/2019

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

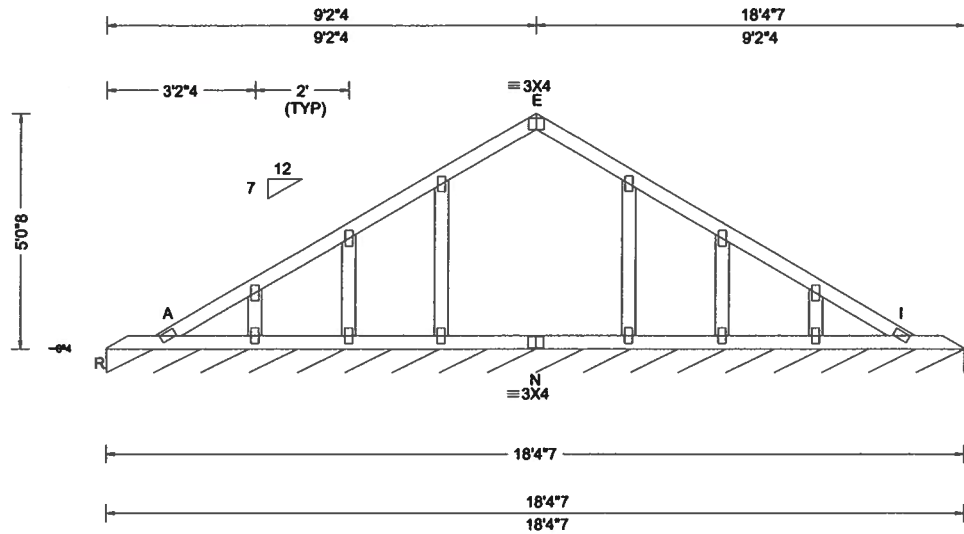
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ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 574143 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 19-3851 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: V01	Cust: R 215 JRef: 1WR12150004 T8 DrwNo: 365.19.1349.35323 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.31 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.003 E 999 240 VERT(CL): 0.005 E 999 180 HORZ(LL): 0.001 F - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.056 Max BC CSI: 0.033 Max Web CSI: 0.040 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J* 75 /- /- /39 /12 /6 Wind reactions based on MWFRS J Brg Width = 220 Min Req = - Bearing R is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

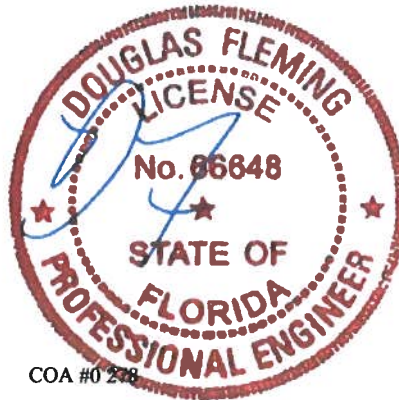
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

See DWG VAL160101014 for valley details.



COA #0 278

12/31/2019

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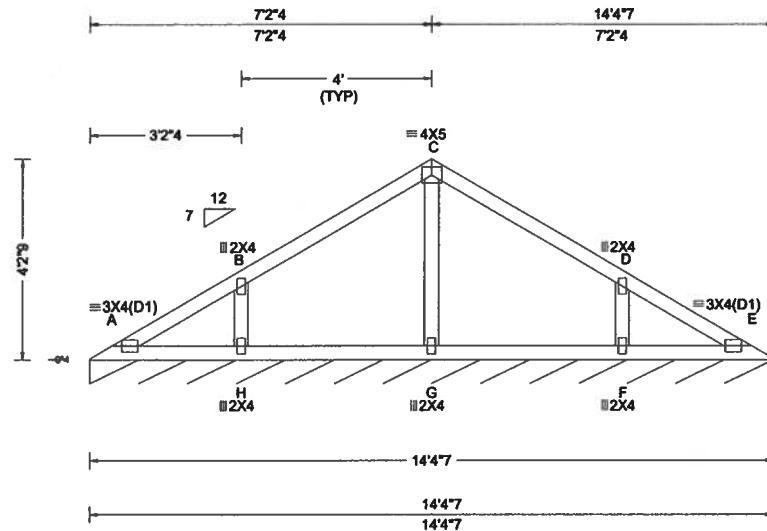
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ALPINE
AN ITW COMPANY
8750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 573889 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 19-3851 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: V02	Cust: R 215 JRef: 1WRI2150004 T17 DrwNo: 365.19.1349.48567 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.07 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCPl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 H 999 240 VERT(CL): 0.003 H 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.235 Max BC CSI: 0.109 Max Web CSI: 0.066 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 79 /- /- /39 /14 /7 Wind reactions based on MWFRS E Brg Width = 172 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

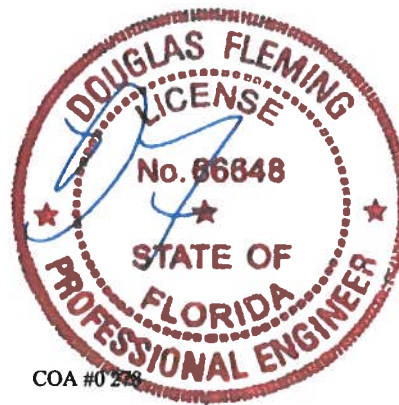
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0228
12/31/2019

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

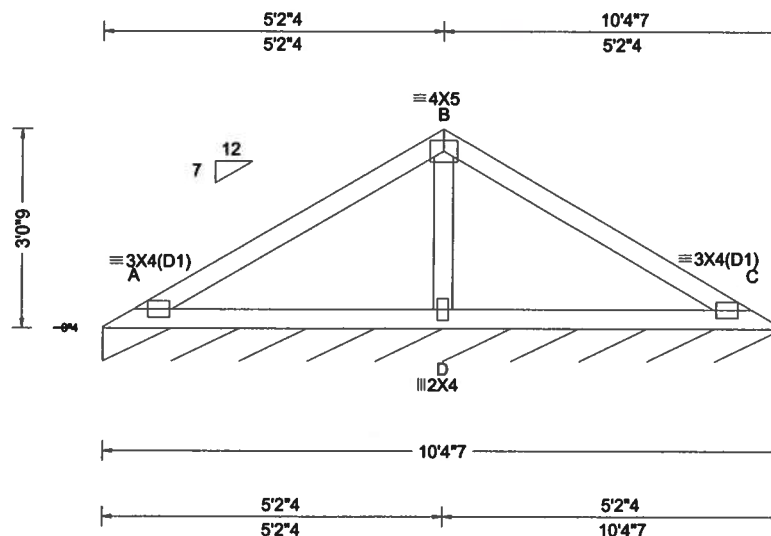
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 573891 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: V03	Cust: R 215 JRef: 1WRI2150004 T18 DrwNo: 365.19.1349.49290 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.66 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.015 D 999 240 VERT(CL): 0.029 D 999 180 HORZ(LL): -0.007 D - - HORZ(TL): 0.013 D - - Creep Factor: 2.0 Max TC CSI: 0.361 Max BC CSI: 0.296 Max Web CSI: 0.119 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 78 /- /- /38 /12 /7 Wind reactions based on MWFRS C Brg Width = 124 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 225 -541

Lumber

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

Wind

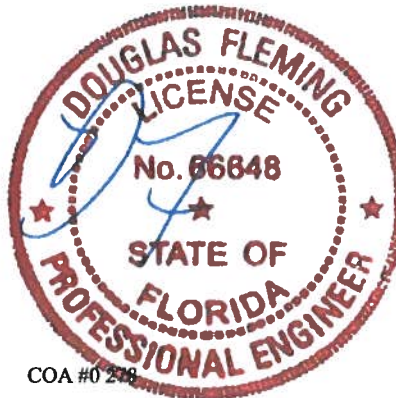
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-0-9.



12/31/2019

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

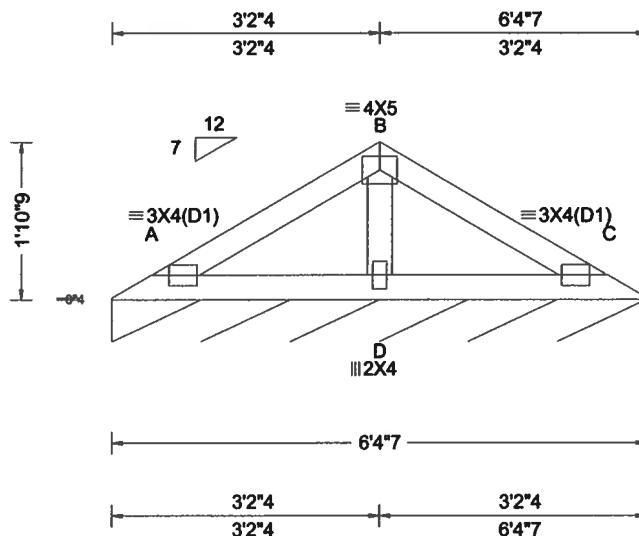
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 573893 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 19-3851 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: V04	Cust: R 215 JRef: 1WRI2150004 T23 DrwNo: 365.19.1349.50057 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF									
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity					Non-Gravity				
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 D 999 240	Loc	R+	/R-	/Rh			/Rw	/U	/RL	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 D 999 180	C*	78	/-	/-			/37	/11	/6	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 D - -	Wind reactions based on MWFRS									
	EXP: C Kzt: NA		HORZ(TL): 0.003 D - -	C	Brg Width = 76.5	Min Req = -							
Des Ld: 40.00	Mean Height: 17.24 ft		Creep Factor: 2.0	Bearing A is a rigid surface.									
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.118	Members not listed have forces less than 375#									
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.097										
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.046										
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes											
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)											
	GCpi: 0.18	Plate Type(s):											
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08										

Lumber

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

Wind

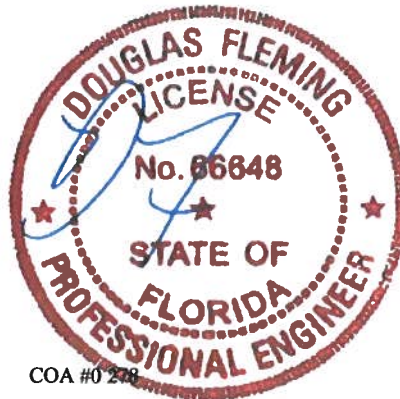
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



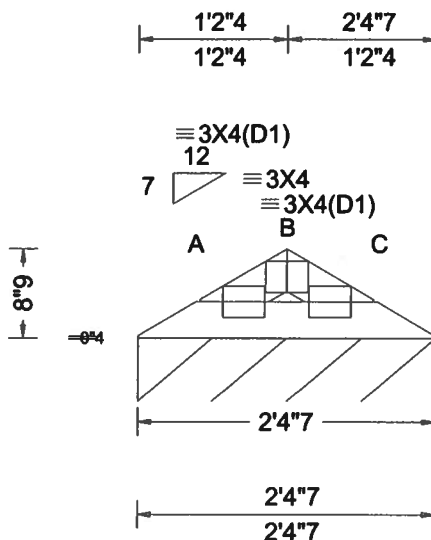
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 573895 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 19-3651 /CODY BARR-CHASE BARR RES. /Contractor Truss Label: V05	Cust: R 215 JRef: 1WRI2150004 T29 DrwNo: 365.19.1349.52250 SSB / DF 12/31/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.82 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 999 240 VERT(CL): 0.001 999 180 HORZ(LL): -0.000 - - HORZ(TL): 0.001 - - Creep Factor: 2.0 Max TC CSI: 0.020 Max BC CSI: 0.037 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 77 /- /- /30 /5 /4 Wind reactions based on MWFRS C Brg Width = 28.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

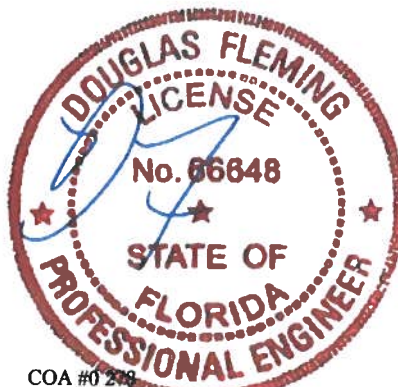
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 0-8-9.



COA #0 218

12/31/2019

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6750 Forum Drive
Suite 305
Orlando FL, 32821

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(3)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(3)

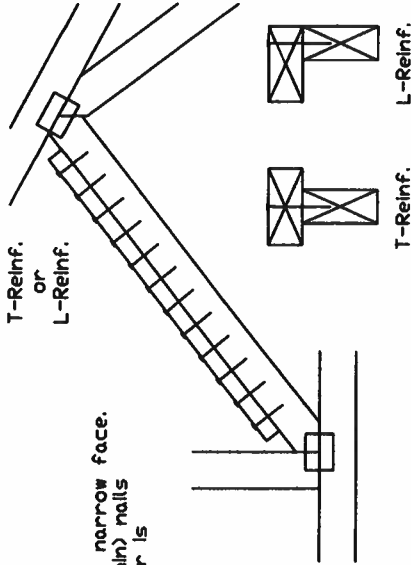
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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

T-Reinforcement

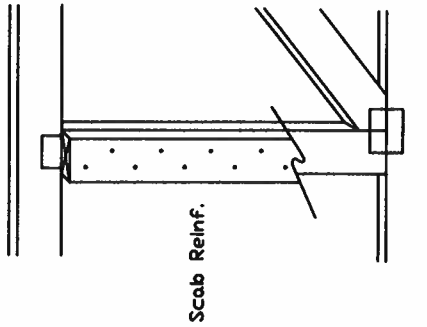
or
L-Reinforcement:

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:

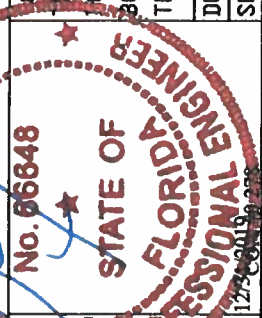
Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0" min) nails at 6' o.c. Reinforcing member is a minimum 80% of web member length.



ENGINEERS READ AND FOLLOW ALL NOTES ON THIS DRAWING. IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of EBC Building Component Safety Information by TPI and EBCA for proper installation and bracing. Truss manufacturers shall provide temporary bracing details and instructions for permanent bracing. Truss manufacturers 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. Apply plates to ceiling joists to brace them for standard plate positions. Refer to drawings 100-2 for standard plate positions. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any damage to or destruction of the truss or its components if the truss is not installed in accordance with the instructions on this drawing. A seal on this drawing or cover page listing the acceptance of professional engineering responsibility is the responsibility of the design engineer. The authority and use of this drawing for any structure is the responsibility of the design engineer. For more information see the job's general notes page and these web sites: ALPINE: www.alpine.com TPI: www.tpi.com EBCA: www.ebca.com EBC: www.ebca.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043



C LL	PSF	REF	CLR Subst.
C DL	PSF	DATE	01/02/19
C DL	PSF	DRWG	BRCLBSUB0119
8C LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Or 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or 100 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

Bracing Group Species and Grades		Group A		Group B	
Spruce-Pine-Fir	#1 / #2	Standard	Stud	Douglas Fir-Larch	#3
	#3	Standard	Stud		Standard
Douglas Fir-Larch	#3	Standard	Stud	Southern Pine	#3
	Standard	Stud	Standard		Standard

Group B		Group A	
Douglas Fir-Larch	#1	Southern Pine	#1
	#2		#2

1x4 Braces shall be SPS (Stress-Rated Boards) or 1x4 Ss. Pine use only Industrial SS or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

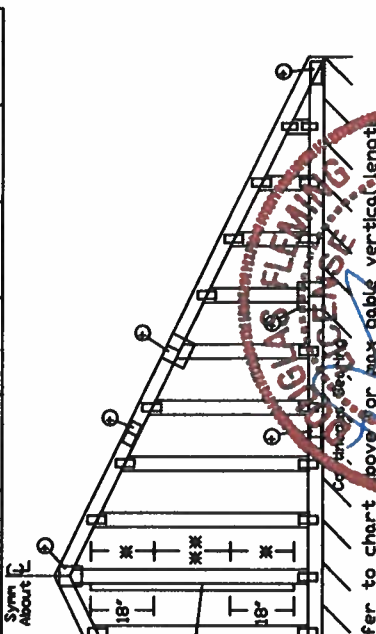
Wind Load deflection criterion is L/240.

Provide uplift connections for 100 pif over continuous bearing (3 psf IC Dead Load).

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

Gable Vertical Plate Sizes		No Splice	
Vertical Length	Less than 4' 0"	Greater than 4' 0", but less than 11' 6"	2x4
	Greater than 11' 6"		4x4

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



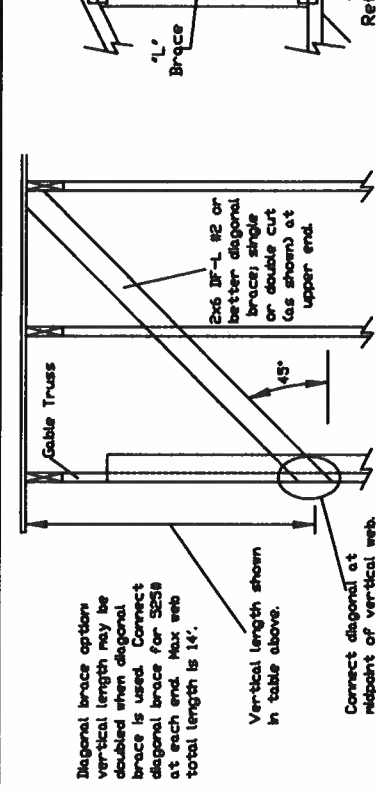
Refer to chart above for max gable vertical length.

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

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Alpine, a division of ITI Building Components Group Inc. shall not be responsible for any deviations from the above information. The user of this drawing assumes all liability for the design, engineering, construction and safety of the building shown. The user's responsibility for the design, engineering, construction and safety of the building shown. The user's responsibility for the design, engineering, construction and safety of the building shown.

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Refer to chart above for max gable vertical length.

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ALPINE
AN ITI COMPANY

13725 Riverport Drive
Suite 200
Maryland Heights, MO 63043

No. 066848

STATE OF FLORIDA

PROFESSIONAL ENGINEER

12/28/2013

MAX. TOT. L.D. 60 PSF

MAX. SPACING 24.0'

Gable Stud Reinforcement Detail

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

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

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

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

Max Gable Vertical Length	Gable Vertical Spacing	Brace Species	Grade	2x4 "L" Brace		2x6 "L" Brace		2x6 "L" Brace		2x6 "L" Brace		2x6 "L" Brace	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" o.c.	SPF	#1 / #2	Standard	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	13' 10"	14' 0"	14' 0"
	HF	#3	Standard	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 8"	14' 0"	14' 0"
	SP	#1	Standard	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 8"	14' 0"	14' 0"
	DFL	#3	Standard	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 8"	14' 0"	14' 0"
16" o.c.	SPF	#1 / #2	Standard	6' 4"	6' 8"	7' 11"	7' 6"	9' 6"	9' 10"	12' 5"	12' 9"	14' 0"	14' 0"
	HF	#3	Standard	6' 4"	6' 8"	7' 11"	7' 6"	9' 6"	9' 10"	12' 5"	12' 9"	14' 0"	14' 0"
	SP	#1	Standard	6' 4"	6' 8"	7' 11"	7' 6"	9' 6"	9' 10"	12' 5"	12' 9"	14' 0"	14' 0"
	DFL	#3	Standard	6' 4"	6' 8"	7' 11"	7' 6"	9' 6"	9' 10"	12' 5"	12' 9"	14' 0"	14' 0"
12" o.c.	SPF	#1 / #2	Standard	5' 1"	5' 5"	6' 10"	6' 4"	8' 1"	8' 5"	11' 7"	11' 11"	14' 0"	14' 0"
	HF	#3	Standard	5' 1"	5' 5"	6' 10"	6' 4"	8' 1"	8' 5"	11' 7"	11' 11"	14' 0"	14' 0"
	SP	#1	Standard	5' 1"	5' 5"	6' 10"	6' 4"	8' 1"	8' 5"	11' 7"	11' 11"	14' 0"	14' 0"
	DFL	#3	Standard	5' 1"	5' 5"	6' 10"	6' 4"	8' 1"	8' 5"	11' 7"	11' 11"	14' 0"	14' 0"

Bracing Group Species and Grades			
Group A:		Group B:	
Species	Grade	Species	Grade
SPF	#1 / #2	SPF	#1 / #2
HF	#3	HF	#3
SP	#1	SP	#1
DFL	#3	DFL	#3

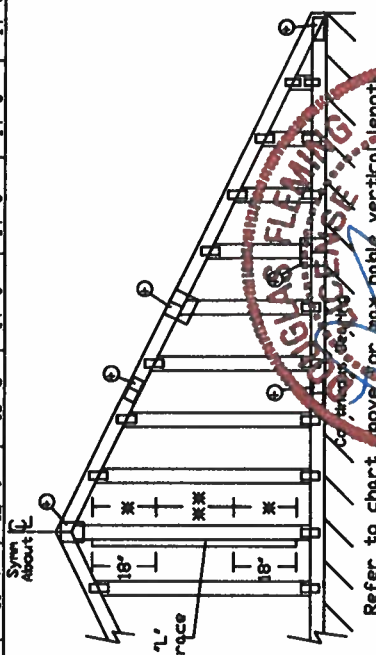
1x4 Braces shall be S30 (Stress-Rated Board), or 1x4 S4. Pine use only Industrial S3 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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



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

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.

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Suite 200
Maryland Heights, MO 63043

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BSI Building Component Safety Information, by ITI and BSA for more information. Trusses shall be properly braced and bracing shall be properly installed and bracing shall have bracing installed per BSA sections 32.17 or 32.18, as applicable. Apply plates to the ends of trusses and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 104-2 for standard plate positions.

Notes: a. Division of ITI Building Components Group Inc. shall not be responsible for any deviation from the above information. b. Trusses shall be installed in accordance with AISI/TI 1 or for handling, shipping, installation, bracing or for use. 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 AISI/TI 1 Section 2.

For more information see this job's general notes page and these web sites:
ALPINE webdesign.com ITI webdesign.com BSA webdesign.com

Refer to chart above for max gable vertical length.

MAX. TOT. L.D. 60 PSF

MAX. SPACING 24.0'

REF ASCE7-10-GABI4015

DATE 10/01/14

DRWG A14015ENC101014

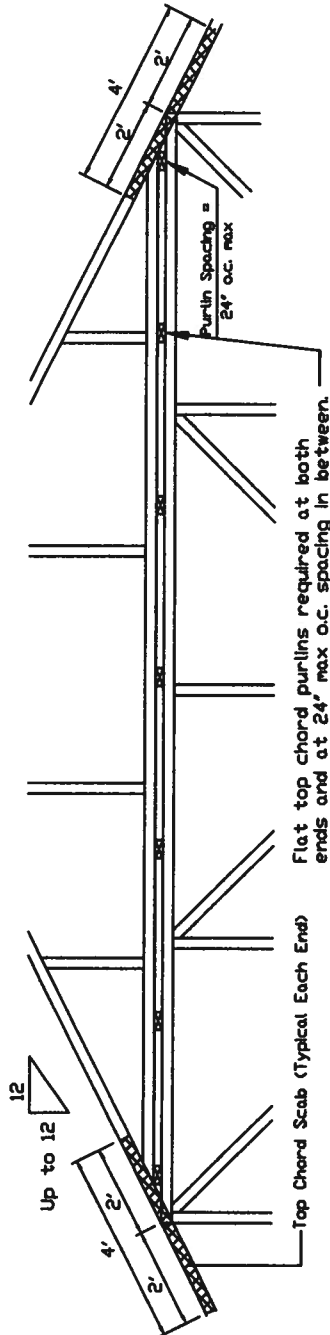
Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind Dir = 50 psf (min), Kzt=1.0, Dir 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp B, wind Dir = 50 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less



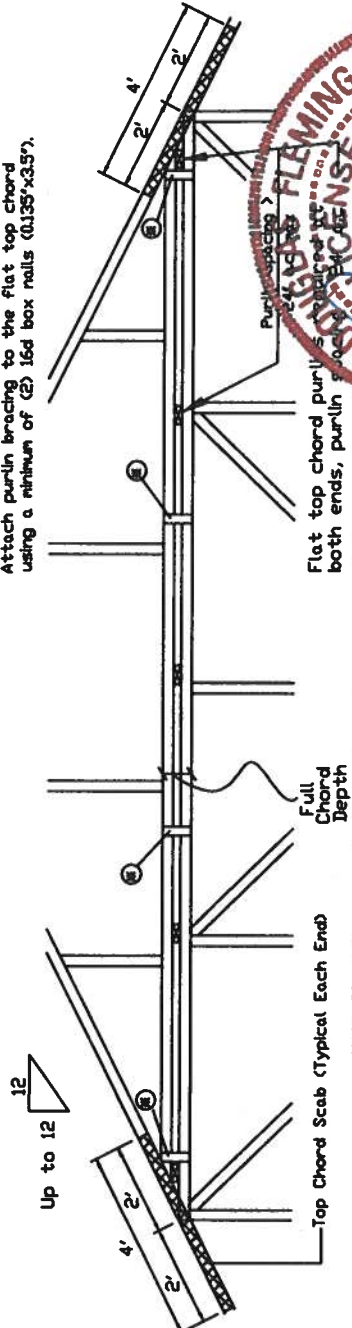
Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nalls (0.135'x3.5') and secure top chord with 2x4 #3 grade scab (1) side only at each end) attached with 2 rows of 10d box nalls (0.128'x3') at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nalls (0.135'x3.5').

The top chord #3 grade 2x4 scabs may be replaced with either of the following: (1) 3x8 Trulox plate attached with (2) 0.120'x1.375' nalls, (4) into cap TC & (4) into base truss TC or (1) 2x8P8 wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120'x1.375' nalls. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nalls (0.135'x3.5') and secure top chord with 2x4 #3 grade scab (1) side only at each end) attached with 2 rows of 10d box nalls (0.128'x3') at 4' o.c. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nalls (0.135'x3.5').



Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max. and use Detail A.

In addition, provide connection with one of the following methods:	
Trulox	Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and 2x8 chord members. Attach to each face of 2x4 with (4) 0.120'x1.375' nalls into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset	8'x8'x7/16" (min) APA rated sheathing gussets (6'x8'x7/16" min) attach 2x4 and 2x6 common (0.135'x3.5') nalls to gusset. (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.
2x4 Vertical Scabs	2x4 SPF #2 full chord depth scabs (each face). Attach 2x4 with (3) 10d box nalls (0.128'x3') per scab. (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.
2x8 Wave Piggyback Plate	Use 2x8P8 wave piggyback plate to each face of 2x4. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120'x1.375' nalls per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

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2/3/2010

SPACING 24.0"

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING

Trusses require active care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ASCE Building Component Safety Information, by ITI and ASCE 7-10, for details on proper installation and bracing. Truss manufacturers shall provide temporary bracing and bracing details for all trusses. Truss manufacturers shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per ASCE sections 6.2, 6.7 or 8.0, as applicable. Apply plates to each end 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 ITW Building Components Group Inc. shall not be responsible for any deviation from the design shown. It is the responsibility of the user to build the truss in conformance with ASCE/ITI 1, or for handling, shipping, installation, or any other use. A seal on this drawing or cover page listing the date, 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 ASCE/ITI 1 Sec.2.

For more information see the Job's general notes page and these notes after ALPAC installation. ITI: www.garageing.com 800-444-4444 or 1-800-444-4444

FLORIDA ENGINEER

STATE OF

PROFESSIONAL ENGINEER

NO. 66848

REF PIGGYBACK

DATE 10/01/14

DRWG PB160101014

24.0"

Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-10 160 mph. 30' Mean Height, Enclosed
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-10 140 mph. 30' Mean Height, Enclosed
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut
as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are ITW BCG Wave Plates.

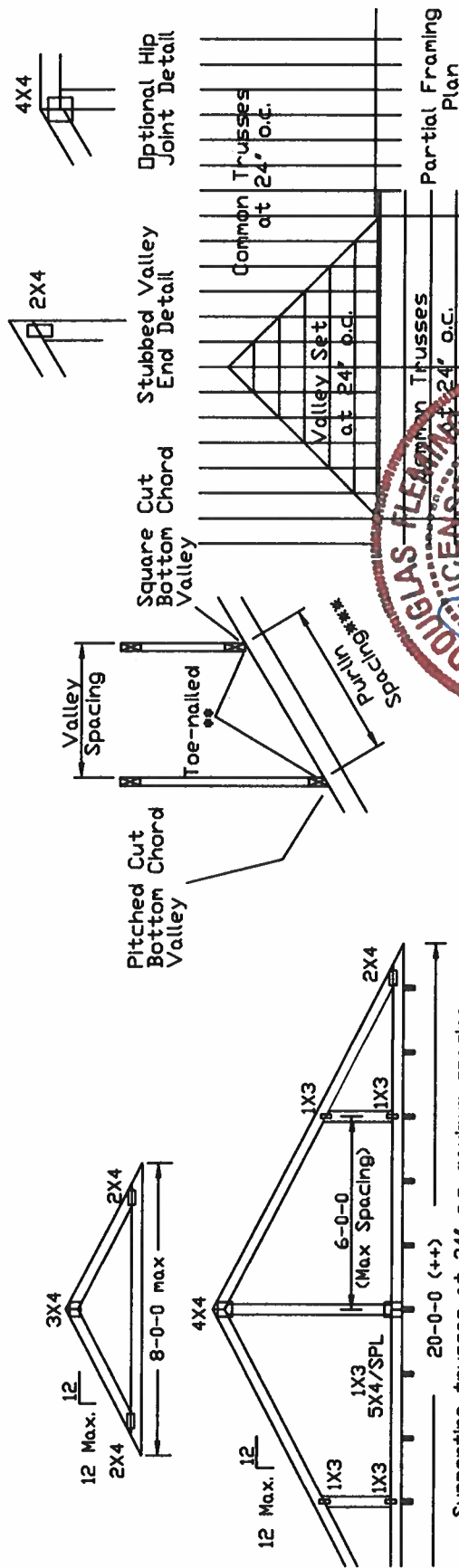
Unless specified otherwise on engineer's sealed design, for vertical web, same species and grade or better, attached with 10d box ($0.128" \times 3.0"$) nails at 6" o.c. In lieu of 'T' reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRVG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



Supporting trusses at 24' o.c. maximum spacing.

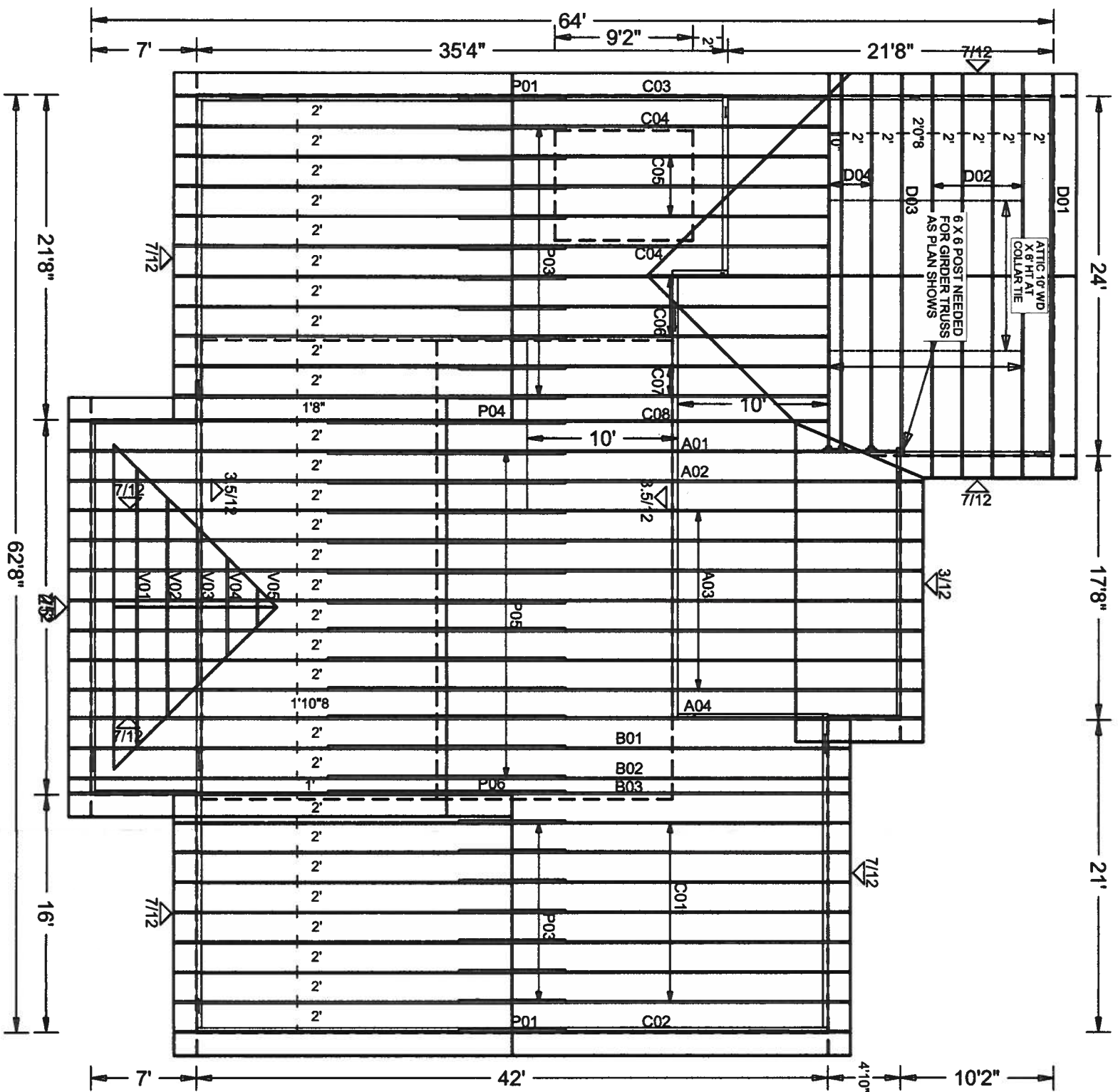
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For more information see this job's general notes page and these web sites:
ALTIMID www.altimid.com IP's www.tshs.tdmg.com SBGA www.sbga.com IDCC www.idcc.org and
structure is the responsibility of the union leader per ACS/1/11 3022



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 No. 66848 STATE OF FLORIDA PROFESSIONAL ENGINEER 12/15/2018	TC	L	30	30	40PSF	REF	VALLEY DETAIL
	TC	LL	20	15	7PSF	DATE	10/01/2014
	BC	LL	10	10	10 PSF	DRWG	VAL160101014
	BC	LL	0	0	0 PSF		
	TOTAL			LD. 60	55	57PSF	
DURFAC. 1.25/1.33				1.15			
SPACING				24.0"			



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

ROOF PITCH: 3/12
 7/12
 OVERHANG: 18"
 PLUMB CUT
 CEILING: 3.5/12
 LR, DR, KIT
 EXT. WALLS: 2 X 4
 LOADING: 40 PSF
 WIND LOAD: 130 MPH
 EXPOSURE: "C"
 DATE: 10/22/19

IMPORTANT DESIGN NOTES:

- CLG HEIGHTS ON PLAN DO NOT MATCH ELEVATION.
- FASCIA IS MATCHED WITH 3/12 REAR PORCH. 9'7/8" HEEL ON 7/12. 1'7'9/16" ON CENTER 7/12 TO MATCH ELEVATION LOOK.
- ALL WALL AND BEAM HEIGHTS AT 9'
- TRUSSES OVER LAUNDRY ROOM ARE FLAT AT 9'. (FILLER ONLY)



JOB #: 19-3651

Job Name: CODY BARR-CHASE BARR RES.
 Customer: Contractor
 Designer: Lynn Bell
 ADDRESS:
 SALESMAN: DB
 : <Not Found>

JOB NO:
 19-3651

PAGE NO:
 1 OF 1