# Columbia County New Building Permit Application

5906

For Office Use Only Application # 44575 Date Received 2/21 By JW Permit # 39442/39443

Zoning Official LW Date 2-26-20 Flood Zone X Land Use RLD Zoning RSF-2

FEMA Map # _____ Elevation _____ MFE 140' River _____ Plans Examiner T.C. Date 3-4-20

Comments Per Plat

☑ NOC ☑ EH ☐ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Well letter ☑ 911 Sheet ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☐ App Fee Paid ☐ Sub VF Form

Septic Permit No. 20-0125 OR City Water ☐ Fax _____

Applicant (Who will sign/pickup the permit) MATT HENTZELMAN Phone 386.755.5254

Address 163 SW MIDTOWN PLACE STE 101 LAKE CITY FL 32025

Owners Name LEE PINCHOUCK Phone 386-965-0554

911 Address 319 NW COUNTRY LAKE DR LAKE CITY FL 32055

Contractors Name MATT HENTZELMAN Phone 386.755.5254

Address SAME ABOVE

Contractor Email TRAVIS@TRADEMARKGG.COM ***Include to get updates on this job.

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address BRETT CREWS, P.E. 399 SW CREWS FARM TER LAKE CITY FL 32025

Mortgage Lenders Name & Address _____

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

Property ID Number 22-3S-16-02267-140 Estimated Construction Cost $280,000

Subdivision Name COUNTRY LAKE IN WOODBOROUGH Lot 40 Block ____ Unit ____ Phase 2

Driving Directions from a Major Road WEST ON LAKE JEFFREY, LEFT INTO WOODBOROUGH, RIGHT ON COUNTRY LAKE DRIVE, LOT ON LEFT AT CURVE

Construction of NEW RSF _____ Commercial OR X Residential

Proposed Use/Occupancy RSF RESIDENTIAL Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? N 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 74'-4" Side 93' Side 50' Rear 92'

Number of Stories 1 Heated Floor Area 2295 Total Floor Area 3403 Acreage .91

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

**Columbia County Building Permit Application**

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

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

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

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

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

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

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

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

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

Lee Pinchouck
**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** CGC1514780
**Columbia County Competency Card Number** 855

**Affirmed under penalty of perjury to by the Contractor and subscribed before me this** 12 **day of** FEB **20** 20.

**Personally known** X **or Produced Identification** _____

**State of Florida Notary Signature (For the Contractor)**

**SEAL:**

Notary Public State of Florida
Travis A Medeiros
My Commission GG 234087
Expires 07/01/2022

## SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 24575 JOB NAME PINCHUCK

**THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED**

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

***NOTE:*** *It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.*
**Use website to confirm licenses:** http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx

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

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

| | | | Need |
|---|---|---|---|
| **ELECTRICAL** ☑ CC# 765 | Print Name David Wood | Signature D.C. Wood | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: Wood's Electrical Services Inc. | | |
| | License #: EC13002213 | Phone #: 386.364.5248 | |
| **MECHANICAL/ A/C** ☑ CC# 568 | Print Name David Hall | Signature | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: Hall's Heating and Air | | |
| | License #: CAC057424 | Phone #: 386.755.9712 | |
| **PLUMBING/ GAS** ☑ CC# 759 | Print Name Roger Whiddon | Signature RWhiddon | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: Lake City Plumbing, Inc. | | |
| | License #: CFC1428686 | Phone #: 386-867-6755 | |
| **ROOFING** ☑ CC# 1111 | Print Name Matt Hentzelman | Signature | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: Trademark Construction Group, Inc. | | |
| | License #: CCC1329208 | Phone #: 386-755-5254 | |
| **SHEET METAL** ☐ CC# | Print Name | Signature | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: | | |
| | License #: | Phone #: | |
| **FIRE SYSTEM/ SPRINKLER** ☐ CC# | Print Name | Signature | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: | | |
| | License#: | Phone #: | |
| **SOLAR** ☐ CC# | Print Name | Signature | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: | | |
| | License #: | Phone #: | |
| **STATE SPECIALTY** ☐ CC# | Print Name | Signature | ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| | Company Name: | | |
| | License #: | Phone #: | |

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

# Columbia County Property Appraiser

Jeff Hampton

**2020 Working Values**
updated: 1/6/2020

Parcel: << 22-3S-16-02267-140 >>

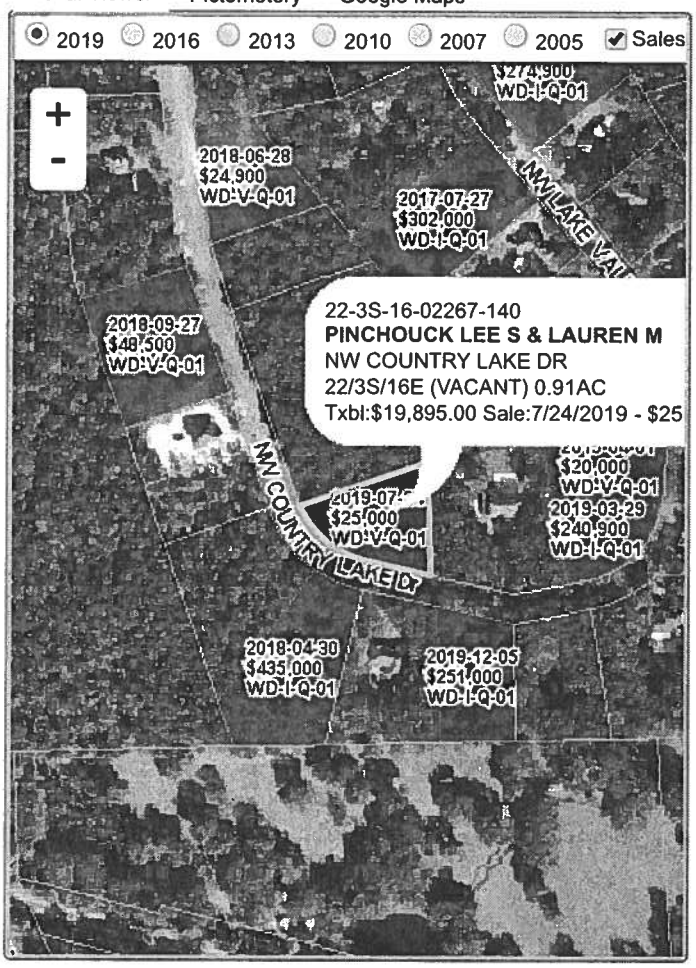
## Owner & Property Info

Result: 2 of 2

| | | | |
|---|---|---|---|
| Owner | PINCHOUCK LEE S & LAUREN M<br>1176 SE INGLEWOOD AVE<br>LAKE CITY, FL 32025 | | |
| Site | COUNTRY LAKE DR, | | |
| Description* | LOT 40 COUNTRY LAKE IN WOODBOROUGH PHASE 2. QC 1241-458, QC 1242-1102, WD 1256-1545, WD 1389-2129 | | |
| Area | 0.91 AC | S/T/R | 22-3S-16E |
| Use Code** | VACANT (000000) | Tax District | 2 |

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

Aerial Viewer Pictometery Google Maps




## Property & Assessment Values

| 2019 Certified Values | | 2020 Working Values | |
|---|---|---|---|
| Mkt Land (1) | $13,926 | Mkt Land (1) | $19,895 |
| Ag Land (0) | $0 | Ag Land (0) | $0 |
| Building (0) | $0 | Building (0) | $0 |
| XFOB (0) | $0 | XFOB (0) | $0 |
| Just | $13,926 | Just | $19,895 |
| Class | $0 | Class | $0 |
| Appraised | $13,926 | Appraised | $19,895 |
| SOH Cap [?] | $0 | SOH Cap [?] | $0 |
| Assessed | $13,926 | Assessed | $19,895 |
| Exempt | $0 | Exempt | $0 |
| Total Taxable | county:$13,926<br>city:$13,926<br>other:$13,926<br>school:$13,926 | Total Taxable | county:$19,895<br>city:$19,895<br>other:$19,895<br>school:$19,895 |

## Sales History

| Sale Date | Sale Price | Book/Page | Deed | V/I | Quality (Codes) | RCode |
|---|---|---|---|---|---|---|
| 7/24/2019 | $25,000 | 1389/2129 | WD | V | Q | 01 |
| 6/14/2013 | $15,142 | 1256/1545 | WD | V | Q | 01 |
| 9/7/2012 | $100 | 1242/1102 | QC | V | U | 11 |
| 8/30/2012 | $500,000 | 1241/0458 | QC | V | U | 38 |

## 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) | 1.000 LT - (0.910 AC) | 1.00/1.00 1.00/1.00 | $19,896 | $19,895 |

Search Result: 2 of 2

This Instrument Prepared By:
Michael H. Harrell
Abstract Trust Title, LLC
283 NW Cole Terrace
Lake City, FL 32055
ATT# 4-9084

# GENERAL WARRANTY DEED

Individual to Individual (or Corporation/LLC)

This Warranty Deed made this 24th day of July, 2019 by

**Michael C. Foreman, and his wife, Stephanie Foreman**

hereinafter called the Grantor, to

**Lee S. Pinchouck and his wife, Lauren M. Pinchouck**

whose post office address is 1176 SE Inglewood Ave, Lake City, FL 32025, hereinafter called the Grantee.

*(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of Individuals, and the successors and assigns of Corporation.)*

The Grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, unto the Grantee all that certain land, situate in Columbia County, Florida, viz:

**Lot 40, Country Lake in Woodborough, Phase 2, according to the map or plat thereof, as recorded in Plat Book 9, Page(s) 57 through 58, of the Public Records of Columbia County, Florida.**

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

To have and to hold, the same in fee simple forever.

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

In witness whereof, the said Grantor has signed and sealed these presents the day and year first above written.

WITNESS
Printed Name: Weyders E Shaw

Michael C. Foreman

WITNESS
Printed Name: Brandi Lynn Lee

Stephanie Foreman

State of Florida
County of Columbia

I hereby certify that on this 24th day of July, 2019, before me, an officer duly authorized to administer oaths and take acknowledgements, personally appeared Michael C. Foreman, and his wife, Stephanie Foreman, who is personally known to me or produced a DL for identification, and known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that he/she/they executed the same, and an oath was not taken.

(SEAL)

NOTARY PUBLIC

Brandi Lynn Lee
NOTARY PUBLIC
STATE OF FLORIDA
Comm# GG052483
Expires 12/5/2020

My Commission Expires:

**PAT LYNCH**
**LYNCH DRILLING CORP**
**P O Box 934**
**Branford, FL 32008**
**(386)935-1076**

**DATE** 2-20-20

**CUSTOMER** Pinchouck
319 NW Country Lake Dr.
Lake City, FL 32055

**LOCATION** Parl# 22-3S-16E-02267-140

**WE WILL CONSTRUCT A 4" WATER WELL COMPLETE WITH 4" WATER WELL STEEL CASING, 1½HP SUBMERSIBLE PUMP WITH 1 1/4" DROP PIPE, AND AN 85 GALLON CAPTIVE AIR TANK (21.9 GALLON DRAWDOWN).**

**WELL WILL BE COMPLETE AT THE WELL SITE, WE DO NOT INCLUDE ELECTRICAL NOR PLUMBING CONNECTIONS FROM THE WELL TO THE HOME AND/OR POWER POLE.**

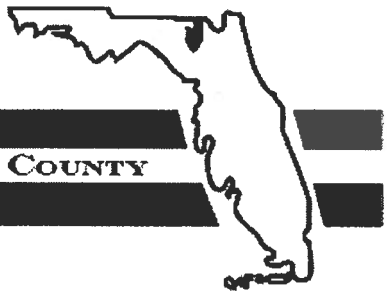
**ANY VARIATIONS OF THE ABOVE ARE SUBJECT TO APPROVAL FROM THE CUSTOMER AND.OR CONTRACTOR PRIOR TO COMMENSMENT OF THE INDIVIDUAL JOB.**

**THANK YOU**

**NOT RESPONSIBLE FOR THE QUALITY OF WATER**

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

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



## Address Assignment and Maintenance Document

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

| | |
|---|---|
| Date/Time Issued: | 2/14/2020 6:54:53 PM |
| Address: | 319 NW COUNTRY LAKE Dr |
| City: | LAKE CITY |
| State: | FL |
| Zip Code | 32055 |
| Parcel ID | 02267-140 |

REMARKS: Address Verification.

***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**

This Document Prepared By:
**Name: Jocelyn Hill**
**Title: Closer**
**First Federal Bank**
**4705 US Hwy 90 West**
**Lake City, FL 32055**

## NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF **COLUMBIA**

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

1. Description of Property: **See Exhibit A**

2. General Description of improvement: **Construction of Residential Single Family Home**

3. Owner Information:
   Name and Address: **Lee S Pinchouck, Lauren Moses Pinchouck**
   **1176 SE Inglewood Ave, Lake City, FL 32025**
   Interest in property: [ X ] Fee Simple
   Name and address of fee simple title holder (if other than Owner): [ ]

4. Contractor (name and address): **Trademark Construction Group, Inc.**

5. Surety:

6. Lender **First Federal Bank**
   **4705 US Hwy 90 West**
   **Lake City, FL 32055**
   **(877) 499-0572**

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

8. In addition to himself, Owner designates **First Federal Bank**, 4705 West Hwy 90/P.O. Box 2029, Lake City Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statues.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART 1, SECTION 713.13, FLORIDA STATUTES AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY, A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OF RECORDING YOUR NOTICE OF COMMENCEMENT.

ATT#9391

Exhibit "A"

Lot 40, Country Lake in Woodborough, Phase 2, according to the map or plat thereof, as recorded in Plat Book 9, Page(s) 57 through 58, of the Public Records of Columbia County, Florida.

Legend

SRWMD Wetlands

2018 Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

2018Aerials

LidarElevations

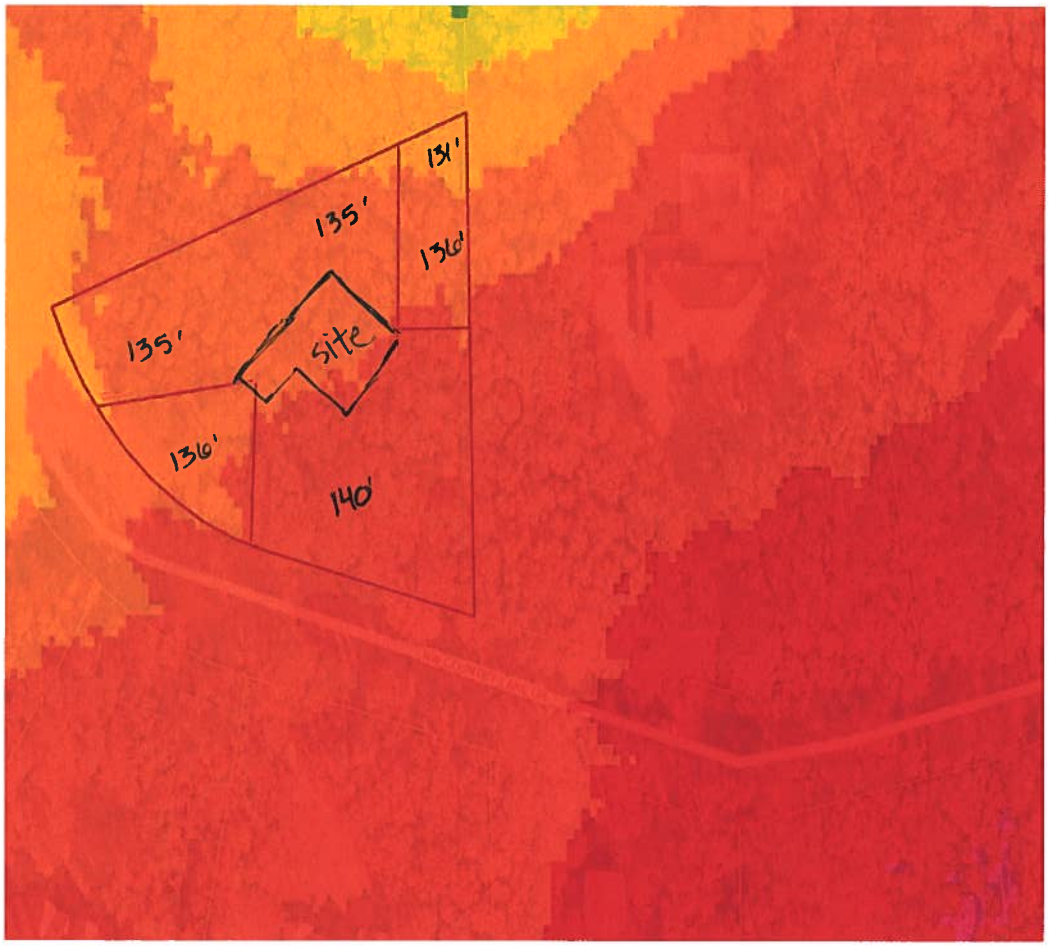
Parcels

Roads

- Roads
- others
- Dirt
- Interstate

# Columbia County, FLA - Building & Zoning Property Map

Printed: Wed Feb 26 2020 09:59:16 GMT-0500 (Eastern Standard Time)




## Parcel Information

Parcel No: 22-3S-16-02267-140

Owner: PINCHOUCK LEE S & LAUREN M

Subdivision: COUNTRY LAKE IN WOODBOROUGH PHS 2

Lot: 40

Acres: 0.914793551

Deed Acres:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: RSF-2

App#44575

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

PERMIT NO. 20-0125
DATE PAID: 2/17/20
FEE PAID: 310.00
RECEIPT #: 4448188

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

APPLICANT: ~~Lee Pinchouck~~

AGENT: ROCKY FORD, A & B CONSTRUCTION TELEPHONE: 386-497-2311

MAILING 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: 40 BLOCK: Ph2 SUB: Country Lake in Woodborough PLATTED: 5/7/07

PROPERTY ID #: 22-3S-16-02267-140 ZONING: Res I/M OR EQUIVALENT: [ Y / (N)

PROPERTY SIZE: .91 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [ Y / (N)] DISTANCE TO SEWER: NA FT

PROPERTY ADDRESS: NW Country Lake Dr Lake City FL

DIRECTIONS TO PROPERTY: Basom Norris Dr Right on NW Lake Jeffery Rd Left on NW Scenic Lake Dr continue onto NW Country Lake Dr to lot on Left

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

| Unit No | Type of Establishment | No. of Bedrooms | Building Area Sqft | Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC |
|---|---|---|---|---|
| 1 | SF Residential | 3 | 2295 | |
| 2 | | | | |
| 3 | | | | |

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

SIGNATURE: William D. Bishop II DATE: 2/6/2020

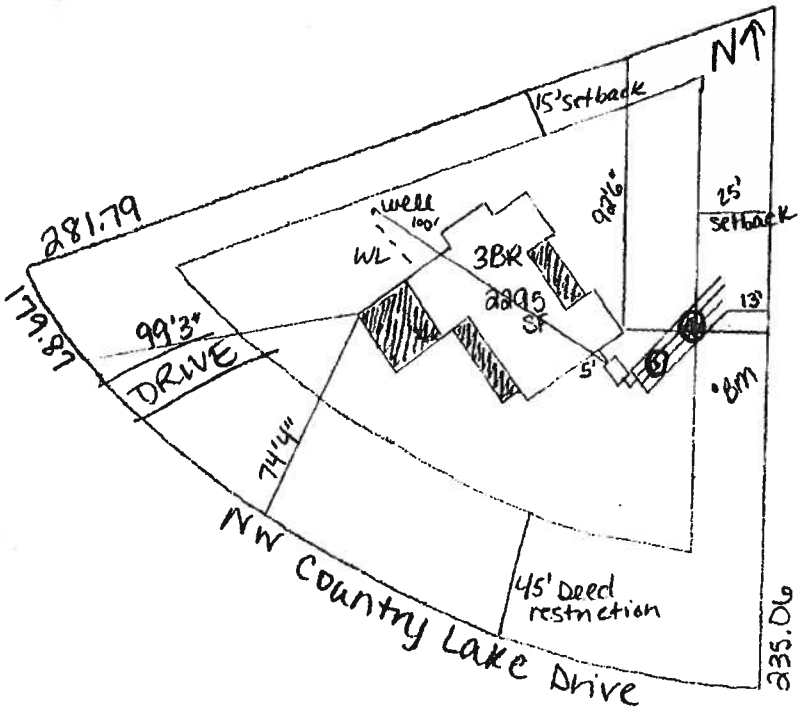
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

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

Permit Application Number 20-0125

Pinchouck ---------- PART II - SITEPLAN ----------

Scale: 1 inch = ~~40~~ 60 feet.




Notes: _____

REVISED
A B
2/21/20
A

Site Plan submitted by: William A. Bishop II MASTER CONTRACTOR

Plan Approved X Not Approved ____ Date 2-26-20

By _____ Columbia County Health Department

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT**

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

| | **GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL** | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| | | **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.)** 2295 **Total (Sq. Ft.) under roof** 3403 | 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 | - ✓ | | |
| 5 | Dimensions of all building set backs | - ✓ | | |
| 6 | Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements. | - ✓ | | |
| 7 | Provide a full legal description of property. | - ✓ | | |

## 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 | - ✓ | | |
| 10 | (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated) | - ✓ | | |
| 11 | Wind importance factor and nature of occupancy | - ✓ | | |
| 12 | The applicable internal pressure coefficient, Components and Cladding | - ✓ | | |
| 13 | The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional. | - ✓ | | |

## Elevations Drawing including:

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

## Floor Plan Including:

| | | | | | |
|---|---|---|---|---|---|
| 21 | Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies | - | ✓ | | |
| 22 | Raised floor surfaces located more than 30 inches above the floor or grade | - | | | ✓ |
| 23 | All exterior and interior shear walls indicated | - | ✓ | | |
| 24 | Shear wall opening shown (Windows, Doors and Garage doors) | - | ✓ | | |
| 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. | - | ✓ | | |
| 26 | Safety glazing of glass where needed | - | ✓ | | |
| 27 | Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR) | - | ✓ | | |
| 28 | Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails | - | | | ✓ |
| 29 | Identify accessibility of bathroom (see FBCR SECTION 320) | - | ✓ | | |

**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:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

### 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. | - | ✓ | | |
| 31 | All posts and/or column footing including size and reinforcing | - | ✓ | | |
| 32 | Any special support required by soil analysis such as piling. | - | | | ✓ |
| 33 | Assumed load-bearing valve of soil Pound Per Square Foot | - | | | ✓ |
| 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 | - | ✓ | | |

### FBCR 506: CONCRETE SLAB ON GRADE

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

### 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** | - | ✓ | | |

### 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 | - | ✓ | | |
| 39 | Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement | - | ✓ | | |

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

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

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

## 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 | | |
|---|---|---|---|---|
| | | Select from Drop down | | |
| 53 | Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls | - ✓ | | |
| 54 | Fastener schedule for structural members per table FBC-R602.3.2 are to be shown | - ✓ | | |
| 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 | - ✓ | | |
| 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 | - ✓ | | |
| 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. | - ✓ | | |
| 58 | Indicate where pressure treated wood will be placed | - ✓ | | |
| 59 | Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas | - ✓ | | |
| 60 | A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail | - ✓ | | |

## FBCR :ROOF SYSTEMS:

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

## FBCR 802:Conventional Roof Framing Layout

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

## FBCR 803 ROOF SHEATHING

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

## ROOF ASSEMBLIES FRC Chapter 9

| | | | | | |
|---|---|---|---|---|---|
| 72 | Include all materials which will make up the roof assembles covering | - | ✓ | | |
| 73 | Submit Florida Product Approval numbers for each component of the roof assembles covering | - | ✓ | | |

## 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 | - | ✓ | | |
| 75 | Attic space | - | ✓ | | |
| 76 | Exterior wall cavity | - | ✓ | | |
| 77 | Crawl space | - | | | ✓ |

## HVAC information

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

## Plumbing Fixture layout shown

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

## Private Potable Water

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

## Electrical layout shown including

| | | | | | |
|---|---|---|---|---|---|
| 86 | Show Switches, receptacles outlets, lighting fixtures and Ceiling fans | - | ✓ | | |
| 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** | - | ✓ | | |
| 88 | Show the location of smoke detectors & Carbon monoxide detectors | - | ✓ | | |
| 89 | Show service panel, sub-panel, location(s) and total ampere ratings | - | ✓ | | |
| 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.<br><br>**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 | - | ✓ | | |
| 91 | Appliances and HVAC equipment and disconnects | - | ✓ | | |
| 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. | - | ✓ | | |

**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. | - ✓ | | |
| 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 | - ✓ | | |
| 95 | **Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058 | - ✓ | | |
| 96 | **City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031 | - | | ✓ |
| 97 | **Toilet facilities shall be provided for all construction sites** | - ✓ | | |
| 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. | - | | ✓ |
| 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) | - ✓ | | |
| 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. | - ✓ | | |
| 101 | A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00** | - | | |
| 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. | - ✓ | | |
| 103 | **911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125. | - ✓ | | |

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

**Disclosure Statement for Owner Builders:**

**If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.**
****This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - http://www.columbiacountyfla.com/BuildingandZoning.asp**

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

**Time limitation of application.**

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

**Single-family residential dwelling.**

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

**Permit intent.**

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

**If work has commenced.**

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

**New Permit.**

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

**Work Shall Be:**

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

**The Fee:**

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

**Notification:**

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

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

| Category/Subcategory | Manufacturer | Product Description | Approval Number(s) |
|---|---|---|---|
| **1. EXTERIOR DOORS** | | | |
| A. SWINGING | Masonite | Fiberglass side hinge unit | 4334.1 |
| B. SLIDING | | | |
| C. SECTIONAL/ROLL UP | | | |
| D. OTHER | | | |
| | | | |
| **2. WINDOWS** | | | |
| A. SINGLE/DOUBLE HUNG | Magnolia | 400 Single hung | 16475.2 |
| B. HORIZONTAL SLIDER | | | |
| C. CASEMENT | | | |
| D. FIXED | | | |
| E. MULLION | | | |
| F. SKYLIGHTS | | | |
| G. OTHER | | | |
| | | | |
| **3. PANEL WALL** | | | |
| A. SIDING | Kaycan | D-5 Contessa | 12192.5 |
| B. SOFFITS | Kaycan | D-5 Vinyl soffit | 12198.2 |
| C. STOREFRONTS | | | |
| D. GLASS BLOCK | | | |
| E. OTHER | | | |
| | | | |
| **4. ROOFING PRODUCTS** | | | |
| A. ASPHALT SHINGLES | Carlisle | Asphalt Shingles | 5444.1 |
| B. NON-STRUCTURAL METAL | | | |
| C. ROOFING TILES | | | |
| D. SINGLE PLY ROOF | | | |
| E. OTHER | | | |
| | | | |
| **5. STRUCTURAL COMPONENTS** | | | |
| A. WOOD CONNECTORS | Simpson | H2.5 | 10446.8 |
| 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 _____

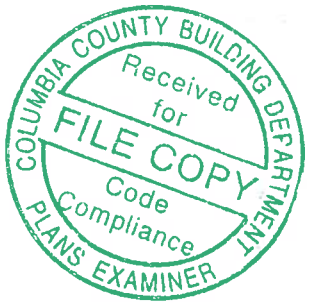
NOTES: _____

FORM R405-2017

# *RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST*

## *Florida Department of Business and Professional Regulation*
## *Simulated Performance Alternative (Performance) Method*

***Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:***




- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- ☐ *Mandatory Requirements (five pages)*

***Required prior to CO for the Performance Method:***

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report (usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*

FORM R405-2017

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

| | | | |
|---|---|---|---|
| Project Name: | Pinchouck Residence | Builder Name: | |
| Street: | | Permit Office: | |
| City, State, Zip: | Lake City , FL , 32055 | Permit Number: | |
| Owner: | | Jurisdiction: | |
| Design Location: | FL, Gainesville | County: | Columbia (Florida Climate Zone 2 ) |

| | |
|---|---|
| 1. New construction or existing | New (From Plans) |
| 2. Single family or multiple family | Single-family |
| 3. Number of units, if multiple family | 1 |
| 4. Number of Bedrooms | 3 |
| 5. Is this a worst case? | No |
| 6. Conditioned floor area above grade (ft²) | 2295 |
| Conditioned floor area below grade (ft²) | 0 |

| 7. Windows (282.0 sqft.) | Description | Area |
|---|---|---|
| a. U-Factor: | Sgl, U=0.55 | 228.00 ft² |
| SHGC: | SHGC=0.50 | |
| b. U-Factor: | Dbl, U=0.55 | 54.00 ft² |
| SHGC: | SHGC=0.50 | |
| c. U-Factor: | N/A | ft² |
| SHGC: | | |
| d. U-Factor: | N/A | ft² |
| SHGC: | | |
| Area Weighted Average Overhang Depth: | | 0.000 ft. |
| Area Weighted Average SHGC: | | 0.500 |

| 8. Floor Types (2295.0 sqft.) | Insulation | Area |
|---|---|---|
| a. Slab-On-Grade Edge Insulation | R=0.7 | 2295.00 ft² |
| b. N/A | R= | ft² |
| c. N/A | R= | ft² |

| 9. Wall Types (1933.1 sqft.) | Insulation | Area |
|---|---|---|
| a. Frame - Wood, Exterior | R=19.0 | 1714.60 ft² |
| b. Frame - Wood, Adjacent | R=19.0 | 218.50 ft² |
| c. N/A | R= | ft² |
| d. N/A | R= | ft² |

| 10. Ceiling Types (2295.0 sqft.) | Insulation | Area |
|---|---|---|
| a. Cathedral/SingleAssembly (Unvented) | R=0.0 | 2295.00 ft² |
| b. N/A | R= | ft² |
| c. N/A | R= | ft² |

| 11. Ducts | R | ft² |
|---|---|---|
| a. Sup: Attic, Ret: Attic, AH: Main | 6 | 534 |

| 12. Cooling systems | kBtu/hr | Efficiency |
|---|---|---|
| a. Central Unit | 28.3 | SEER:16.00 |

| 13. Heating systems | kBtu/hr | Efficiency |
|---|---|---|
| a. Electric Heat Pump | 36.5 | HSPF:8.70 |

| | |
|---|---|
| 14. Hot water systems | |
| a. Electric | Cap: 50 gallons |
| | EF: 0.980 |
| b. Conservation features | |
| Heat Recovery Unit | |
| 15. Credits | CF, Pstat |

Glass/Floor Area: 0.123

Total Proposed Modified Loads: 59.20

Total Baseline Loads: 60.61

**PASS**

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

PREPARED BY: _____

DATE: _____

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

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

FORM R405-2017

# INPUT SUMMARY CHECKLIST REPORT

## PROJECT

| | | | | | |
|---|---|---|---|---|---|
| Title: | Pinchouck Residence | Bedrooms: | 3 | Address Type: | Street Address |
| Building Type: | User | Conditioned Area: | 2295 | 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 , 32055 |
| Family Type: | Single-family | | | | |
| New/Existing: | New (From Plans) | | | | |
| Comment: | | | | | |

## CLIMATE

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

## BLOCKS

| Number | Name | Area | Volume |
|---|---|---|---|
| 1 | Block1 | 2295 | 21802.5 |

## SPACES

| Number | Name | Area | Volume | Kitchen | Occupants | Bedrooms | Infil ID | Finished | Cooled | Heated |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Main | 2295 | 21802.5 | Yes | 4 | 3 | 1 | Yes | Yes | Yes |

## FLOORS

| √ | # | Floor Type | Space | Perimeter | R-Value | Area | | Tile | Wood | Carpet |
|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Slab-On-Grade Edge Insulation | Main | 207 ft | 0.7 | 2295 ft² | ---- | 0.2 | 0.8 | 0 |

## ROOF

| √ | # | Type | Materials | Roof Area | Gable Area | Roof Color | Rad Barr | Solar Absor. | SA Tested | Emitt | Emitt Tested | Deck Insul. | Pitch (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Hip | Composition shingles | 2759 ft² | 0 ft² | Medium | N | 0.96 | No | 0.9 | No | 30 | 33.7 |

## ATTIC

| √ | # | Type | Ventilation | Vent Ratio (1 in) | Area | RBS | IRCC |
|---|---|---|---|---|---|---|---|
| _____ | 1 | Partial cathedral ceili | Unvented | 0 | 2295 ft² | N | N |

## CEILING

| √ | # | Ceiling Type | Space | R-Value | Ins Type | Area | Framing Frac | Truss Type |
|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Cathedral/SingleAssembly (Unvented) | Main | 0 | Blown | 2295 ft² | 0.11 | Wood |

FORM R405-2017

# INPUT SUMMARY CHECKLIST REPORT

## WALLS

| √ | # | Ornt | Adjacent To | Wall Type | Space | Cavity R-Value | Width Ft | Width In | Height Ft | Height In | Area | Sheathing R-Value | Framing Fraction | Solar Absor. | Below Grade% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ____ | 1 | N | Exterior | Frame - Wood | Main | 19 | 62 | 4 | 9 | 6 | 592.2 ft² | | 0.23 | 0.75 | 0 |
| ____ | 2 | E | Exterior | Frame - Wood | Main | 19 | 40 | 10 | 9.5 | | 387.9 ft² | | 0.23 | 0.75 | 0 |
| ____ | 3 | S | Garage | Frame - Wood | Main | 19 | 23 | | 9.5 | | 218.5 ft² | | 0.23 | 0.75 | 0 |
| ____ | 4 | S | Exterior | Frame - Wood | Main | 19 | 34 | 4 | 9.5 | | 326.2 ft² | | 0.23 | 0.75 | 0 |
| ____ | 5 | W | Exterior | Frame - Wood | Main | 19 | 40 | 10 | 10 | | 408.3 ft² | | 0.23 | 0.75 | 0 |

## DOORS

| √ | # | Ornt | Door Type | Space | Storms | U-Value | Width Ft | Width In | Height Ft | Height In | Area |
|---|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | N | Insulated | Main | None | .46 | 16 | | 8 | | 128 ft² |
| _____ | 2 | S | Insulated | Main | None | .46 | 3 | | 8 | | 24 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 | Overhang Separation | Int Shade | Screening |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | N | 1 | Vinyl | Low-E Single | Yes | 0.55 | 0.5 | N | 72.0 ft² | 0 ft 0 in | 0 ft 0 in | Drapes/blinds | None |
| _____ | 2 | E | 2 | Vinyl | Low-E Single | Yes | 0.55 | 0.5 | N | 72.0 ft² | 0 ft 0 in | 0 ft 0 in | Drapes/blinds | None |
| _____ | 3 | S | 4 | Vinyl | Low-E Single | Yes | 0.55 | 0.5 | N | 84.0 ft² | 0 ft 0 in | 0 ft 0 in | Drapes/blinds | None |
| _____ | 4 | W | 5 | Metal | Double (Tinted) | Yes | 0.55 | 0.5 | N | 54.0 ft² | 0 ft 0 in | 0 ft 0 in | Drapes/blinds | None |

## GARAGE

| √ | # | Floor Area | Ceiling Area | Exposed Wall Perimeter | Avg. Wall Height | Exposed Wall Insulation |
|---|---|---|---|---|---|---|
| _____ | 1 | 529 ft² | 529 ft² | 69 ft | 9.5 ft | 1 |

## INFILTRATION

| # | Scope | Method | SLA | CFM 50 | ELA | EqLA | ACH | ACH 50 |
|---|---|---|---|---|---|---|---|---|
| 1 | Wholehouse | Proposed ACH(50) | .000302 | 1816.9 | 99.74 | 187.58 | .1216 | 5 |

## HEATING SYSTEM

| √ | # | System Type | Subtype | Efficiency | Capacity | Block | Ducts |
|---|---|---|---|---|---|---|---|
| _____ | 1 | Electric Heat Pump/ | Split | HSPF:8.7 | 36.47 kBtu/hr | 1 | sys#1 |

## COOLING SYSTEM

| √ | # | System Type | Subtype | Efficiency | Capacity | Air Flow | SHR | Block | Ducts |
|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Central Unit/ | None | SEER: 16 | 28.26 kBtu/hr | 840 cfm | 0.85 | 1 | sys#1 |

FORM R405-2017 **INPUT SUMMARY CHECKLIST REPORT**

## HOT WATER SYSTEM

| √ | # | System Type | SubType | Location | EF | Cap | Use | SetPnt | Conservation |
|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Electric | None | Main | 0.98 | 50 gal | 70 gal | 120 deg | Heat Recovery Unit |

## SOLAR HOT WATER SYSTEM

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

## DUCTS

| √ | # | Supply Location | Supply R-Value | Supply Area | Return Location | Return Area | Leakage Type | Air Handler | CFM 25 TOT | CFM25 OUT | QN | RLF | HVAC # Heat | HVAC # Cool |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| _____ | 1 | Attic | 6 | 534 ft² | Attic | 133.5 ft² | Default Leakage | Main | (Default) c | (Default) c | | | 1 | 1 |

## TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

## MASS

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

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX* = 98

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

| | |
|---|---|
| 1. New home or, addition | 1. New (From Plans) |
| 2. Single-family or multiple-family | 2. Single-family |
| 3. No. of units (if multiple-family) | 3. 1 |
| 4. Number of bedrooms | 4. 3 |
| 5. Is this a worst case? (yes/no) | 5. No |
| 6. Conditioned floor area (sq. ft.) | 6. 2295 |
| 7. Windows, type and area | |
| a) U-factor:(weighted average) | 7a. 0.550 |
| b) Solar Heat Gain Coefficient (SHGC) | 7b. 0.500 |
| c) Area | 7c. 282.0 |
| 8. Skylights | |
| a) U-factor:(weighted average) | 8a. NA |
| b) Solar Heat Gain Coefficient (SHGC) | 8b. NA |
| 9. Floor type, insulation level: | |
| a) Slab-on-grade (R-value) | 9a. 0.7 |
| b) Wood, raised (R-value) | 9b. |
| c) Concrete, raised (R-value) | 9c. |
| 10. Wall type and insulation: | |
| A. Exterior: | |
| 1. Wood frame (Insulation R-value) | 10A1. 19.0 |
| 2. Masonry (Insulation R-value) | 10A2. |
| B. Adjacent: | |
| 1. Wood frame (Insulation R-value) | 10B1. 19.0 |
| 2. Masonry (Insulation R-value) | 10B2. |
| 11. Ceiling type and insulation level | |
| a) Under attic | 11a. |
| b) Single assembly | 11b. 0.0 |
| c) Knee walls/skylight walls | 11c. |
| d) Radiant barrier installed | 11d. No |

| | |
|---|---|
| 12. Ducts, location & insulation level | |
| a) Supply ducts | R 6.0 |
| b) Return ducts | R 6.0 |
| c) AHU location | Main |
| 13. Cooling system: | Capacity 28.3 |
| a) Split system | SEER |
| b) Single package | SEER |
| c) Ground/water source | SEER/COP |
| d) Room unit/PTAC | EER |
| e) Other | 16.0 |
| 14. Heating system: | Capacity 36.5 |
| a) Split system heat pump | HSPF 8.7 |
| b) Single package heat pump | HSPF |
| c) Electric resistance | COP |
| d) Gas furnace, natural gas | AFUE |
| e) Gas furnace, LPG | AFUE |
| f) Other | |
| 15. Water heating system | |
| a) Electric resistance | EF 0.98 |
| b) Gas fired, natural gas | EF |
| c) Gas fired, LPG | EF |
| d) Solar system with tank | EF |
| e) Dedicated heat pump with tank | EF |
| f) Heat recovery unit | HeatRec% 1.00 |
| g) Other | |
| 16. HVAC credits claimed (Performance Method) | |
| a) Ceiling fans | Yes |
| b) Cross ventilation | No |
| c) Whole house fan | No |
| d) Multizone cooling credit | |
| e) Multizone heating credit | |
| f) Programmable thermostat | Yes |

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

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

Builder Signature:_____ Date:_____

Address of New Home: _____ City/FL Zip: Lake City, FL 32055

# Residential System Sizing Calculation

## Summary

Project Title:
Pinchouck Residence

Lake City, FL 32055

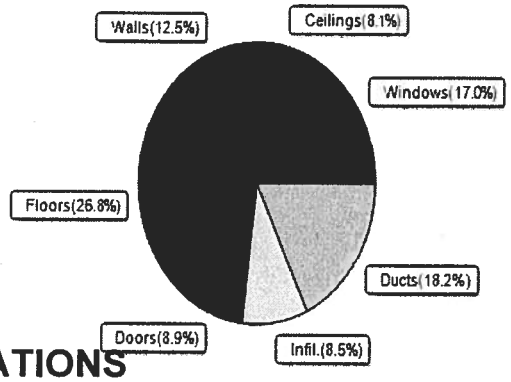
2/6/2020

| 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** | **36467** | **Btuh** | **Total cooling load calculation** | **28258** | **Btuh** |
| Submitted heating capacity | % of calc | Btuh | Submitted cooling capacity | % of calc | Btuh |
| Total (Electric Heat Pump) | 100.0 | 36467 | Sensible (SHR = 0.85) | 99.8 | 24019 |
| Heat Pump + Auxiliary(0.0kW) | 100.0 | 36467 | Latent | 100.9 | 4239 |
| | | | Total (Electric Heat Pump) | 100.0 | 28258 |

## WINTER CALCULATIONS

Winter Heating Load (for 2295 sqft)

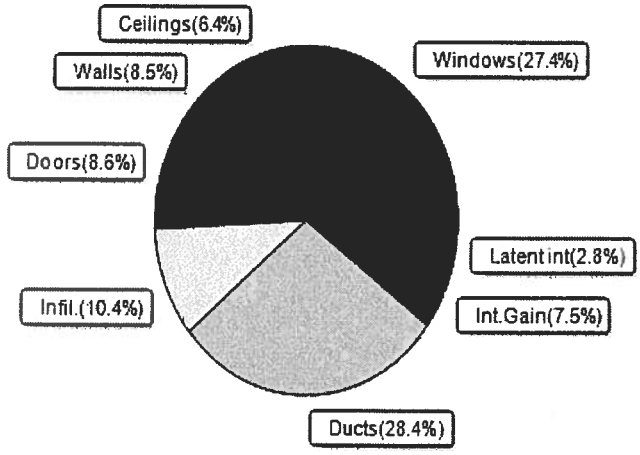
| Load component | | | Load | |
|---|---|---|---|---|
| Window total | 282 | sqft | 6204 | Btuh |
| Wall total | 1475 | sqft | 4559 | Btuh |
| Door total | 176 | sqft | 3238 | Btuh |
| Ceiling total | 2295 | sqft | 2971 | Btuh |
| Floor total | 2295 | sqft | 9770 | Btuh |
| Infiltration | 71 | cfm | 3097 | Btuh |
| Duct loss | | | 6628 | Btuh |
| **Subtotal** | | | **36467** | **Btuh** |
| Ventilation | 0 | cfm | 0 | Btuh |
| **TOTAL HEAT LOSS** | | | **36467** | **Btuh** |




## SUMMER CALCULATIONS

Summer Cooling Load (for 2295 sqft)

| Load component | | | Load | |
|---|---|---|---|---|
| Window total | 282 | sqft | 7738 | Btuh |
| Wall total | 1475 | sqft | 2403 | Btuh |
| Door total | 176 | sqft | 2429 | Btuh |
| Ceiling total | 2295 | sqft | 1797 | Btuh |
| Floor total | | | 0 | Btuh |
| Infiltration | 53 | cfm | 1103 | Btuh |
| Internal gain | | | 2120 | Btuh |
| Duct gain | | | 6466 | Btuh |
| Sens. Ventilation | 0 | cfm | 0 | Btuh |
| Blower Load | | | 0 | Btuh |
| **Total sensible gain** | | | **24056** | **Btuh** |
| Latent gain(ducts) | | | 1571 | Btuh |
| Latent gain(infiltration) | | | 1831 | Btuh |
| Latent gain(ventilation) | | | 0 | Btuh |
| Latent gain(internal/occupants/other) | | | 800 | Btuh |
| **Total latent gain** | | | **4202** | **Btuh** |
| **TOTAL HEAT GAIN** | | | **28258** | **Btuh** |




8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

# Florida Building Code, Energy Conservation, 6th Edition (2017)
## Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS: Lake City , FL , 32055 Permit Number:

**MANDATORY REQUIREMENTS** See individual code sections for full details.

✓

## SECTION R401 GENERAL

☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

**Exception:** Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

**Exception:** Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

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

☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

☐ **R402.4.3 Fenestration air leakage** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

**Exception:** Site-built windows, skylights and doors.

## MANDATORY REQUIREMENTS - (Continued)

☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

**Exceptions:**

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

## SECTION R403 SYSTEMS

**R403.1 Controls.**

☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.

☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufactur handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

**Exceptions:**

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory).** Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.

☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

## MANDATORY REQUIREMENTS - (Continued)

☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

**R403.5.6 Water heater efficiencies (Mandatory).**

☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).

☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.

☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.

☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:

1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** Where installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

**Exception:** Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

**R403.7 Heating and cooling equipment (Mandatory).**

☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

**TABLE R403.6.1**
**WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY**

| FAN LOCATION | AIRFLOW RATE MINIMUM (CFM) | MINIMUM EFFICACY [a] (CFM/WATT) | AIRFLOW RATE MAXIMUM (CFM) |
|---|---|---|---|
| Range hoods | Any | 2.8 cfm/watt | Any |
| In-line fan | Any | 2.8 cfm/watt | Any |
| Bathroom, utility room | 10 | 1.4 cfm/watt | <90 |
| Bathroom, utility room | 90 | 2.8 cfm/watt | Any |

For SI: 1 cfm = 28.3 L/min.

a. When tested in accordance with HVI Standard 916

# MANDATORY REQUIREMENTS - (Continued)

☐ **R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

**R403.7.1.2 Heating equipment capacity.**

☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

☐ **R403.10.2 Time switches.** Timeswitches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

**Exceptions:**

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

**Exception:** Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

## SECTION R404

## ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

**Exception:** Low-voltage lighting.

**R404.1.1 Lighting equipment (Mandatory).** Fuel gas lighting systems shall not have continuously burning pilot lights.

## 2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

### TABLE 402.4.1.1
### AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

| | | | | CHECK |
|---|---|---|---|---|
| Project Name: | Pinchouck Residence | Builder Name: | | |
| Street: | | Permit Office: | | |
| City, State, Zip: | Lake City , FL , 32055 | Permit Number: | | |
| Owner: | | Jurisdiction: | | |
| Design Location: | FL, Gainesville | | | |

| COMPONENT | AIR BARRIER CRITERIA | INSULATION INSTALLATION CRITERIA | |
|---|---|---|---|
| General requirements | A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed. | Air-permeable insulation shall not be used as a sealing material. | |
| Ceiling/attic | The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed. | The insulation in any dropped ceiling/soffit shall be aligned with the air barrier. | |
| Walls | The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed. | Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier. | |
| Windows, skylights and doors | The space between window/door jambs and framing, and skylights and framing shall be sealed. | | |
| Rim joists | Rim joists shall include the air barrier. | Rim joists shall be insulated. | |
| Floors (including above-garage and cantilevered floors) | The air barrier shall be installed at any exposed edge of insulation. | Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members. | |
| Crawl space walls | Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped. | Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls. | |
| Shafts, penetrations | Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed. | | |
| Narrow cavities | | Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces. | |
| Garage separation | Air sealing shall be provided between the garage and conditioned spaces. | | |
| Recessed lighting | Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall. | Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated. | |
| Plumbing and wiring | | Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring. | |
| Shower/tub on exterior wall | The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs. | Exterior walls adjacent to showers and tubs shall be insulated. | |
| Electrical/phone box on exterior walls | The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed. | | |
| HVAC register boots | HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall. | | |
| Concealed sprinklers | When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings. | | |

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

# Envelope Leakage Test Report (Blower Door Test)

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

| Jurisdiction: | Permit #: |
|---|---|

**Job Information**

| | | |
|---|---|---|
| Builder: | Community: | Lot: NA |
| Address: | | |
| City: Lake City | State: FL | Zip: 32055 |

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

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

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

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

_____ (CFM(50)) x 60 ÷ 21803 (Building Volume) = _____ (ACH(50))

☐ **PASS**

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

Method for calculating building volume:

○ Retrieved from architectural plans

● Code software calculated

○ Field measured and calculated

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

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

**Testing Company**

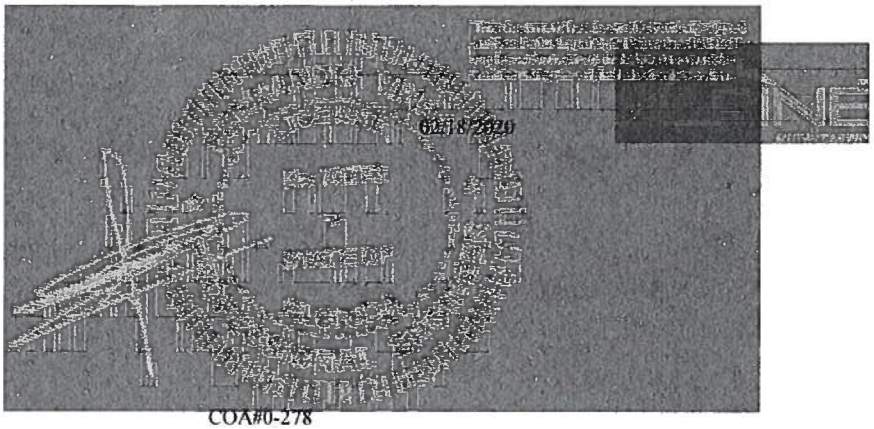
Company Name: _____ Phone: _____

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

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

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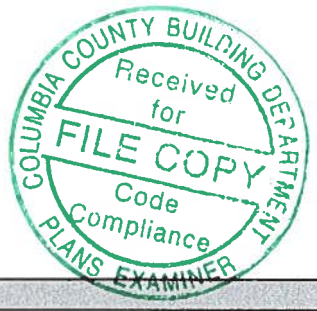


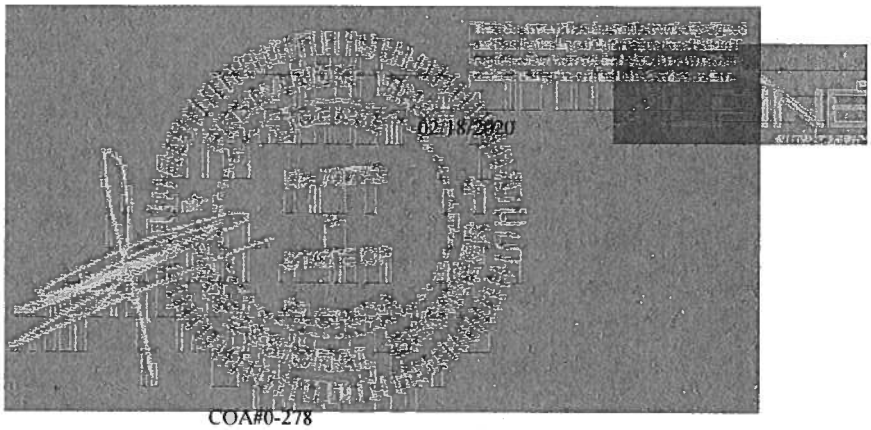

| Site Information: | Page 1: |
|---|---|
| *Customer:* Seminole Trusses, Inc. | *Job Number:* B50621a |
| *Job Description:* -Pinchouk Res Trademark Const Group | |
| *Address:* LAKE CITY, FL | |

| Job Engineering Criteria: | |
|---|---|
| *Design Code:* FBC 2017 RES | *IntelliVIEW Version:* 18.02.01A<br>*JRef #:* 1WSV8570002 |
| *Wind Standard:* ASCE 7-16 *Wind Speed (mph):* 140<br>*Building Type:* Closed | *Roof Load (psf):* 20.00- 7.00- 0.00-10.00<br>*Floor Load (psf):* None |

This package contains general notes pages, 63 truss drawing(s) and 5 detail(s).

| Item | Drawing Number | Truss |
|---|---|---|
| 1 | 049.20.1143.40113 | ATIC1 |
| 3 | 049.20.1143.56130 | CJ1A |
| 5 | 049.20.1154.56527 | CJ2A |
| 7 | 049.20.1155.09163 | CJ2C |
| 9 | 049.20.1155.20090 | CJ3A |
| 11 | 049.20.1155.35067 | CJ3C |
| 13 | 049.20.1155.37027 | CJ3E |
| 15 | 049.20.1155.38573 | CJ4A |
| 17 | 049.20.1155.40683 | CJ5 |
| 19 | 049.20.1155.42670 | CJ5B |
| 21 | 049.20.1155.44203 | CJ6A |
| 23 | 049.20.1155.46323 | CJ8 |
| 25 | 049.20.1155.47880 | EJ8 |
| 27 | 049.20.1155.50317 | EJ8B |
| 29 | 049.20.1155.52133 | H10B |
| 31 | 049.20.1155.55243 | H13A |
| 33 | 049.20.1155.58057 | H14B |
| 35 | 049.20.1156.00050 | H3B |
| 37 | 049.20.1156.01713 | H5B |
| 39 | 049.20.1156.03460 | H7B |
| 41 | 049.20.1156.05213 | HJ12 |
| 43 | 049.20.1156.08663 | HJ15 |
| 45 | 049.20.1156.11047 | HJ8 |
| 47 | 049.20.1156.13763 | MH2 |
| 49 | 049.20.1156.16857 | S1 |
| 51 | 049.20.1156.22810 | S3 |

| Item | Drawing Number | Truss |
|---|---|---|
| 2 | 049.20.1143.54767 | CJ1 |
| 4 | 049.20.1144.56657 | CJ2 |
| 6 | 049.20.1155.02097 | CJ2B |
| 8 | 049.20.1155.12153 | CJ3 |
| 10 | 049.20.1155.25520 | CJ3B |
| 12 | 049.20.1155.35910 | CJ3D |
| 14 | 049.20.1155.37730 | CJ4 |
| 16 | 049.20.1155.39380 | CJ4B |
| 18 | 049.20.1155.41927 | CJ5A |
| 20 | 049.20.1155.43413 | CJ6 |
| 22 | 049.20.1155.44937 | CJ7 |
| 24 | 049.20.1155.47097 | EJ5 |
| 26 | 049.20.1155.48870 | EJ8A |
| 28 | 049.20.1155.51330 | H10A |
| 30 | 049.20.1155.53693 | H11A |
| 32 | 049.20.1155.56680 | H14A |
| 34 | 049.20.1155.59087 | H3A |
| 36 | 049.20.1156.00870 | H5A |
| 38 | 049.20.1156.02587 | H7A |
| 40 | 049.20.1156.04307 | HG6A |
| 42 | 049.20.1156.07570 | HJ13 |
| 44 | 049.20.1156.09543 | HJ6 |
| 46 | 049.20.1156.12940 | MH1 |
| 48 | 049.20.1156.15247 | MHG1 |
| 50 | 049.20.1156.18360 | S2 |
| 52 | 049.20.1156.24273 | S4 |

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| Site Information: | Page 2: |
|---|---|
| *Customer:* Seminole Trusses, Inc. | *Job Number:* B50621a |
| *Job Description:* -Pinchouk Res Trademark Const Group | |
| *Address:* LAKE CITY, FL | |

| Item | Drawing Number | Truss |
|---|---|---|
| 53 | 049.20.1156.25853 | S5 |
| 55 | 049.20.1156.33030 | S7 |
| 57 | 049.20.1156.35760 | S9 |
| 59 | 049.20.1157.37517 | STRGBL1 |
| 61 | 049.20.1157.42690 | T-2 |
| 63 | 049.20.1158.46437 | TG-1 |
| 65 | PB180160118 | |
| 67 | BRCLBSUB0119 | |

| Item | Drawing Number | Truss |
|---|---|---|
| 54 | 049.20.1156.32047 | S6 |
| 56 | 049.20.1156.34590 | S8 |
| 58 | 049.20.1156.37743 | SG1 |
| 60 | 049.20.1157.40340 | T-1 |
| 62 | 049.20.1158.03700 | T-3 |
| 64 | PB160160118 | |
| 66 | REPCHRD1014 | |
| 68 | CNNAILSP1014 | |

## 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 AWC. 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.

**Fire Retardant Treated Lumber:**
Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

## 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.

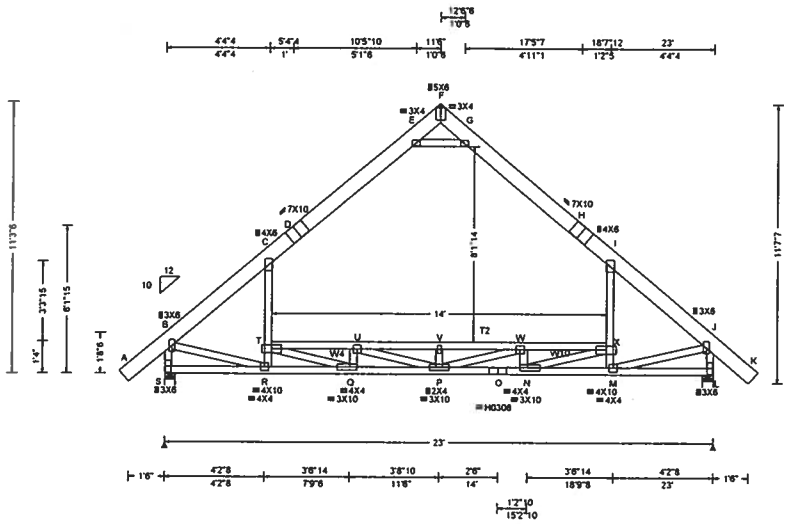
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
g = green lumber.
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.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
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 vertical Deflection due to creep, 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(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
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. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.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, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

| | | | | |
|---|---|---|---|---|
| SEQN: 57422 ATIC<br>FROM: | Ply: 1<br>Qty: 11 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** ATIC1 | | Cust: R 857 JRef: 1WSV8570002 T3<br>DrwNo: 049.20.1143.40113<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.257 | F | 999 | 360 |
| VERT(CL): 0.570 | F | 484 | 240 |
| HORZ(LL): 0.145 | C | - | - |
| HORZ(TL): 0.334 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.982
Max BC CSI: 0.726
Max Web CSI: 0.789

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| S | 1671 | /- | /- | /557 | /122 | /292 |
| L | 1671 | /- | /- | /557 | /122 | /- |

Wind reactions based on MWFRS
S Brg Width = 5.3 Min Req = 2.1
L Brg Width = 5.5 Min Req = 2.1
Bearings S & L Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 212 | -1556 | F - G | 865 | -202 |
| C - D | 272 | -1064 | G - H | 300 | -1004 |
| D - E | 300 | -1004 | H - I | 272 | -1064 |
| E - F | 865 | -202 | I - J | 212 | -1556 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| R - Q | 1027 | -193 | O - N | 3292 | 0 |
| Q - P | 3291 | 0 | N - M | 1026 | -41 |
| P - O | 3292 | 0 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - S | 308 | -1630 | P - W | 658 | -24 |
| B - R | 977 | -60 | V - W | 0 | -3111 |
| C - T | 738 | 0 | W - N | 21 | -527 |
| T - Q | 2342 | 0 | W - X | 0 | -2346 |
| T - U | 0 | -2345 | N - X | 2344 | 0 |
| Q - U | 20 | -528 | X - I | 738 | 0 |
| U - P | 659 | -16 | M - J | 977 | -61 |
| U - V | 0 | -3111 | J - L | 308 | -1630 |
| E - G | 633 | -2075 | | | |

**Lumber**

Top chord: 2x8 SP SS Dense; T2 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W4,W10 2x4 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 72 | -1.69 | 11.50 |
| TC | 24 | 4.20 | 18.80 |
| TC | 72 | 11.50 | 24.69 |
| BC | 120 | 0.00 | 23.00 |
| BC | 29 | 10.28 | 12.72 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

**Loading**

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Attic room loading from 4-6-0 to 18-6-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

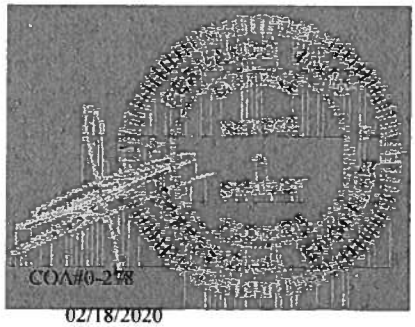
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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

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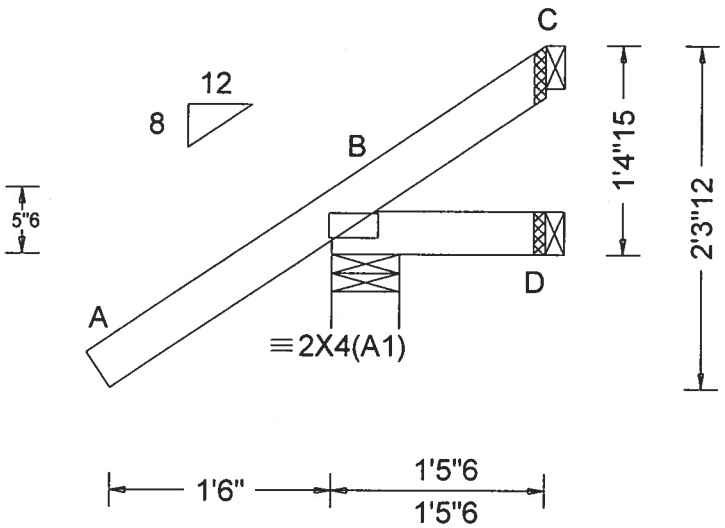
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57423 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ1 | Cust: R 857 JRef: 1WSV8570002 T2<br>DrwNo: 049.20.1143.54767<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): -0.001 | D | - | - |
| HORZ(TL): 0.001 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.214
Max BC CSI: 0.032
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 229 | /- | /- | /165 | /46 | /50 |
| D | 20 | /-1 | /- | /17 | /4 | /- |
| C | - | /-20 | /- | /28 | /35 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 44 | -1.58 | 1.45 |
| BC | 16 | 0.15 | 1.45 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

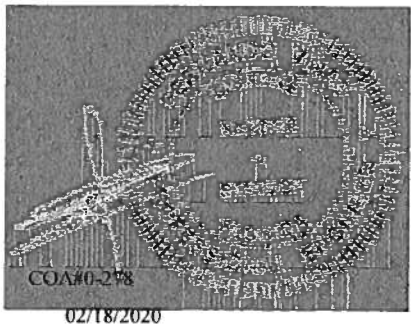
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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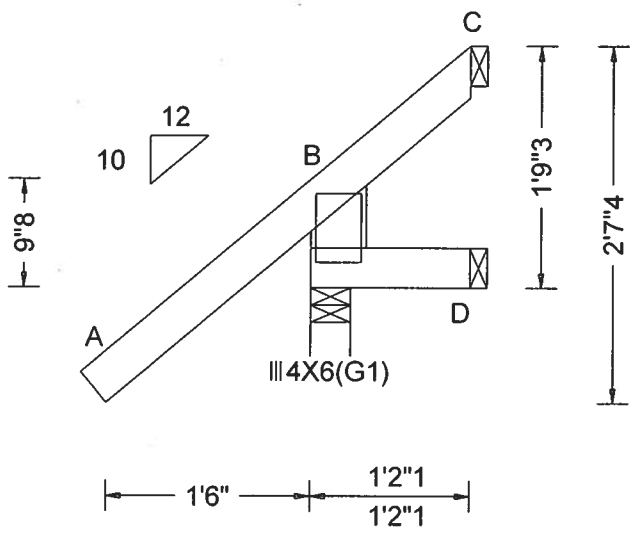
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

| | | | |
|---|---|---|---|
| SEQN: 57424 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ1A | Cust: R 857 JRef: 1WSV8570002 T63<br>DrwNo: 049.20.1143.56130<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): -0.001 | C | - | - |
| HORZ(TL): 0.002 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.253
Max BC CSI: 0.026
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 216 | /- | /- | /157 | /33 | /57 |
| D | 17 | /-4 | /- | /12 | /2 | /- |
| C | - | /-19 | /- | /26 | /33 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 43 | -1.59 | 1.17 |
| BC | 14 | 0.00 | 1.17 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

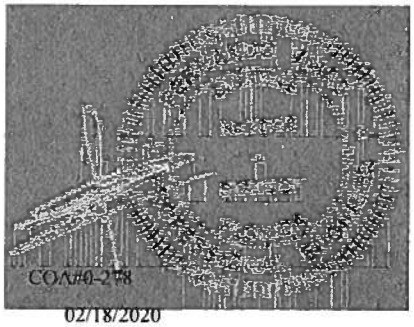
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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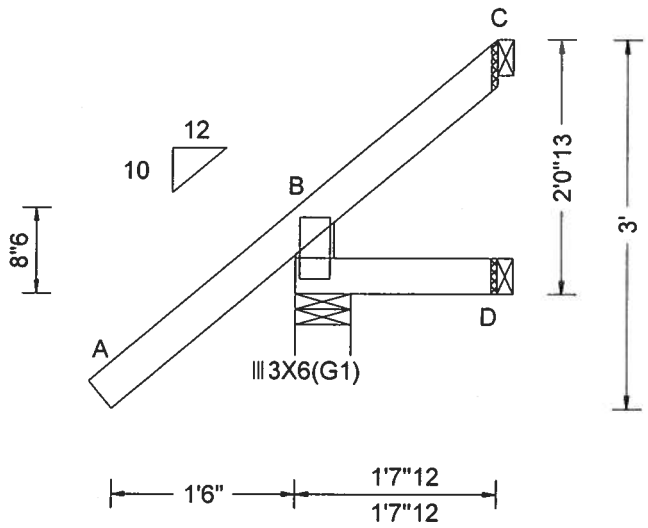
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57425 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ2 | Cust: R 857 JRef: 1WSV8570002 T7<br>DrwNo: 049.20.1144.56657<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.000 C - -
HORZ(TL): 0.001 C - -
Creep Factor: 2.0
Max TC CSI: 0.239
Max BC CSI: 0.058
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 214 | /- | /- | /154 | /26 | /68 |
| D | 24 | /-1 | /- | /22 | /7 | /- |
| C | 17 | /- | /- | /25 | /21 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 51 | -1.59 | 1.64 |
| BC | 20 | 0.00 | 1.64 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

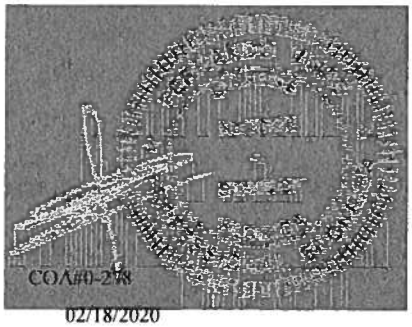
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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ANITW COMPANY
6750 Forum Drive
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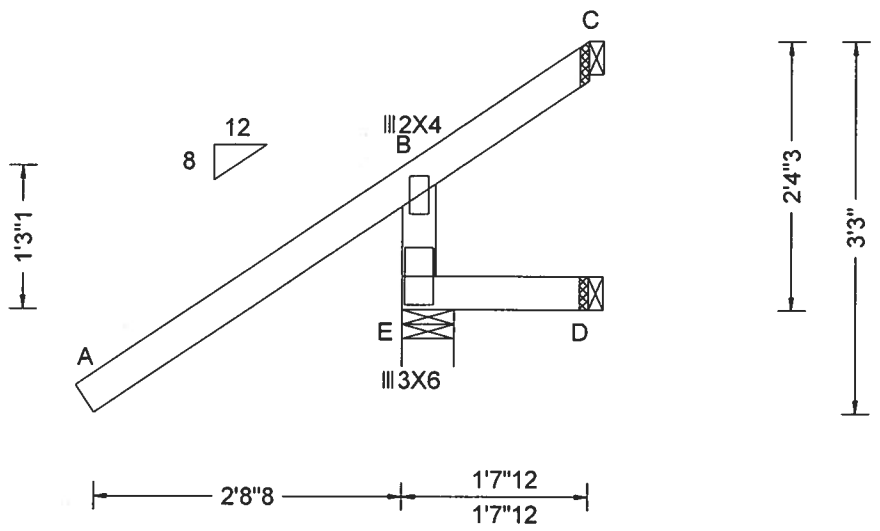
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57426 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ2A | Cust: R 857 JRef: 1WSV8570002 T11<br>DrwNo: 049.20.1154.56527<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.000 | B | 999 | 360 |
| VERT(CL): 0.001 | B | 999 | 240 |
| HORZ(LL): 0.001 | B | - | - |
| HORZ(TL): 0.001 | B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.726
Max BC CSI: 0.024
Max Web CSI: 0.223

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 381 | /- | /- | /333 | /142 | /- |
| D | 33 | /- | /- | /16 | /- | /- |
| C | - | /-99 | /- | /104 | /151 | /72 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| B - C | 437 | - 150 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 751 | - 364 |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

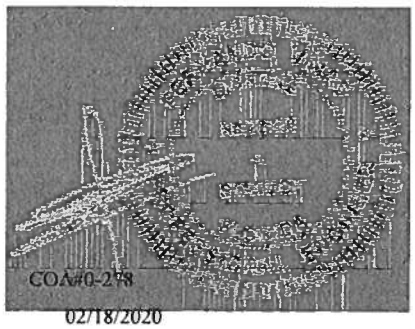
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 64 | -2.79 | 1.64 |
| BC | 20 | 0.00 | 1.64 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Additional Notes**
Refer to General Notes for additional information

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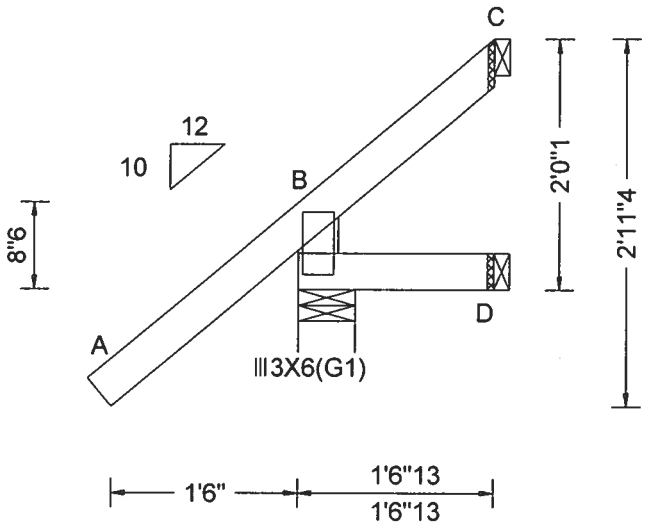
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57427 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ2B | Cust: R 857 JRef: 1WSV8570002 T10<br>DrwNo: 049.20.1155.02097<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): -0.000 | C | - | - |
| HORZ(TL): 0.001 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.239
Max BC CSI: 0.058
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 214 | /- | /- | /155 | /27 | /66 |
| D | 22 | /-3 | /- | /21 | /8 | /- |
| C | 13 | /- | /- | /24 | /19 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 49 | -1.59 | 1.57 |
| BC | 19 | 0.00 | 1.57 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

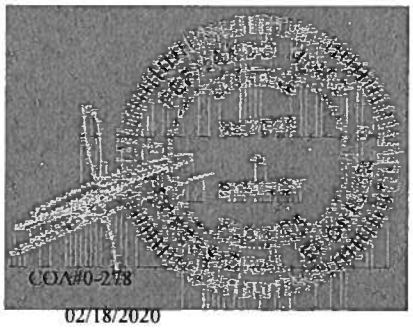
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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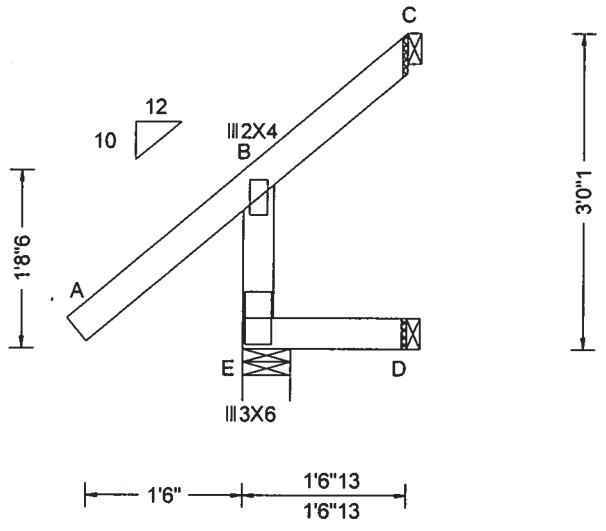
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57428 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ2C | Cust: R 857 JRef: 1WSV8570002 T36<br>DrwNo: 049.20.1155.09163<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.000 B 999 360<br>VERT(CL): 0.000 B 999 240<br>HORZ(LL): 0.000 B - -<br>HORZ(TL): 0.001 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.260<br>Max BC CSI: 0.020<br>Max Web CSI: 0.138<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 214 | /- | /- | /211 | /91 | /- |
| D | 31 | /- | /- | /16 | /- | /- |
| C | - | /-6 | /- | /58 | /72 | /66 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 463 | - 198 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 49 | -1.59 | 1.57 |
| BC | 19 | 0.00 | 1.57 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

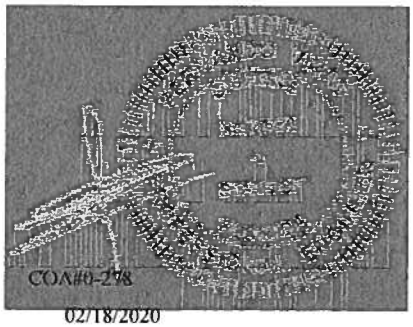
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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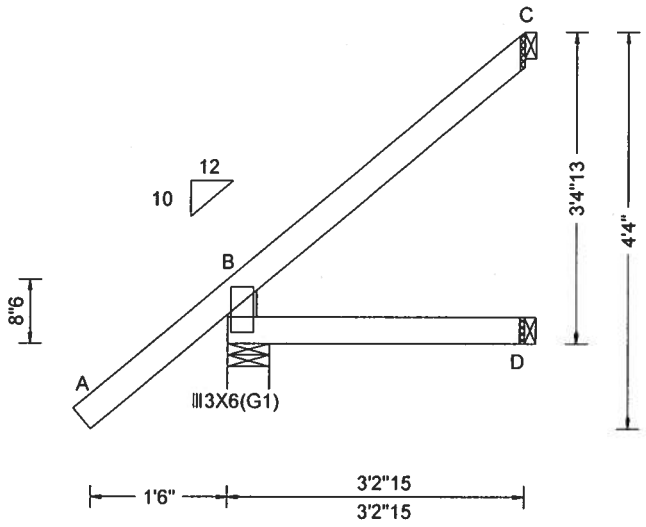
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57429 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ3 | Cust: R 857 JRef: 1WSV8570002 T15<br>DrwNo: 049.20.1155.12153<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.000 C - -
HORZ(TL): 0.001 C - -
Creep Factor: 2.0
Max TC CSI: 0.190
Max BC CSI: 0.071
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 253 | /- | /- | /166 | /7 | /105 |
| D | 58 | /- | /- | /37 | /- | /- |
| C | 73 | /- | /- | /53 | /52 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 3.24 |
| BC | 39 | 0.00 | 3.24 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

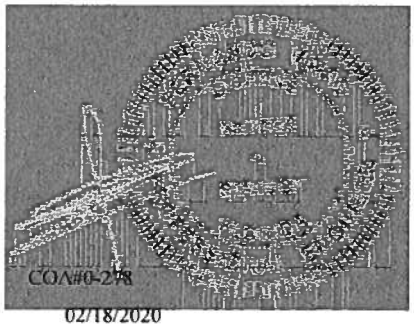
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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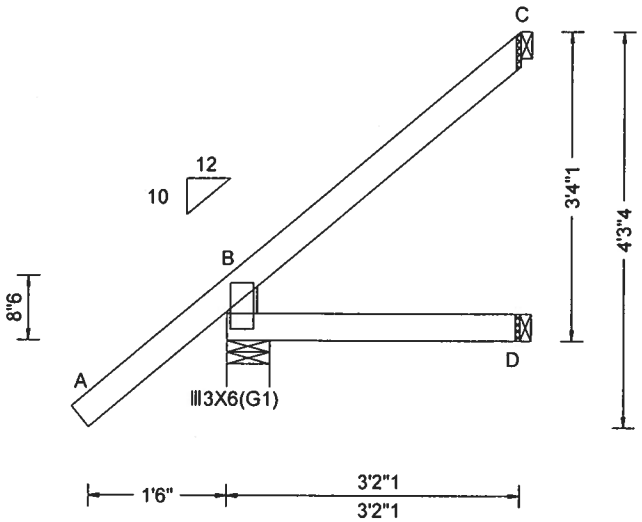
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57430 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ3A | Cust: R 857 JRef: 1WSV8570002 T29<br>DrwNo: 049.20.1155.20090<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.000 C - -<br>HORZ(TL): 0.001 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.185<br>Max BC CSI: 0.067<br>Max Web CSI: 0.000<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 250 | /- | /- | /164 | /8 | /103 |
| D | 57 | /- | /- | /36 | /- | /- |
| C | 71 | /- | /- | /51 | /50 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 74 | -1.59 | 3.17 |
| BC | 38 | 0.00 | 3.17 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

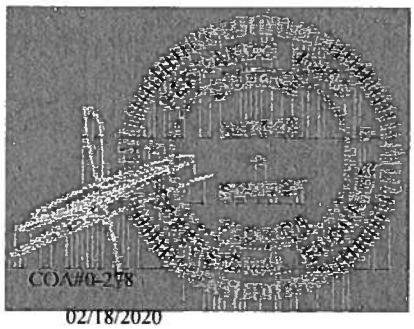
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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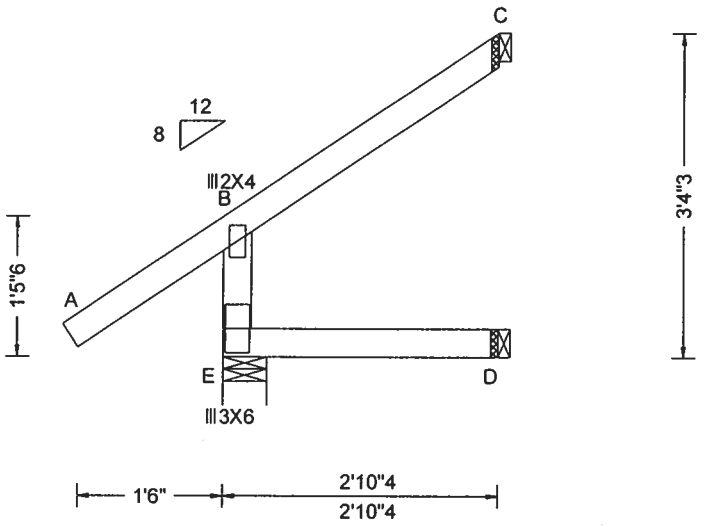
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57431 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ3B | Cust: R 857 JRef: 1WSV8570002 T38<br>DrwNo: 049.20.1155.25520<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| | | | | |
|---|---|---|---|---|
| PP Deflection in | loc | L/defl | L/# | |
| VERT(LL): | 0.000 | B | 999 | 360 |
| VERT(CL): | 0.000 | B | 999 | 240 |
| HORZ(LL): | -0.000 | B | - | - |
| HORZ(TL): | 0.000 | B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.233
Max BC CSI: 0.073
Max Web CSI: 0.116

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 234 | /- | /- | /191 | /79 | /- |
| D | 57 | /- | /- | /29 | /- | /- |
| C | 54 | /- | /- | /51 | /27 | /76 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 389 | -205 |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

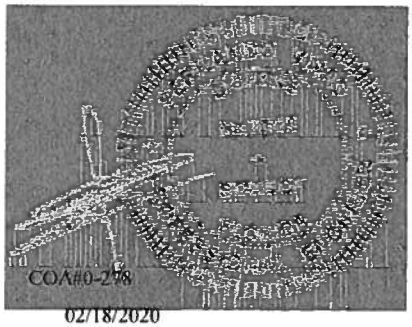
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 64 | -1.58 | 2.85 |
| BC | 34 | 0.00 | 2.85 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Additional Notes**
Refer to General Notes for additional information

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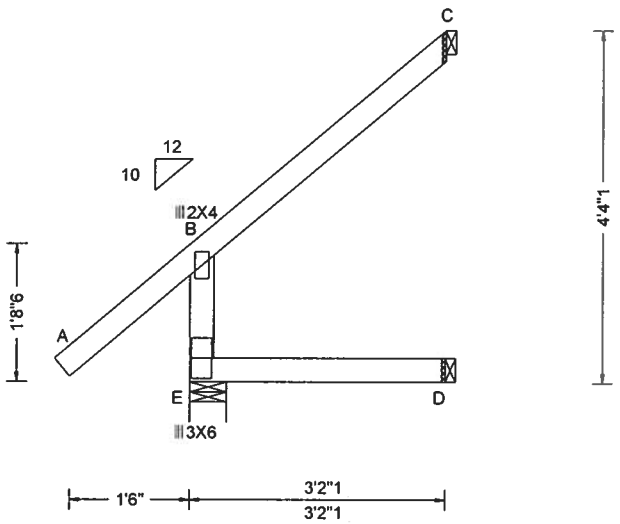
| | | | |
|---|---|---|---|
| SEQN: 57432 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ3C | Cust: R 857 JRef: 1WSV8570002 T48<br>DrwNo: 049.20.1155.35067<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | 0.000 B | 999 | 360 |
| VERT(CL): | 0.001 B | 999 | 240 |
| HORZ(LL): | -0.001 B | - | - |
| HORZ(TL): | 0.001 B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.217
Max BC CSI: 0.091
Max Web CSI: 0.115

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 250 | /- | /- | /234 | /101 | /- |
| D | 63 | /- | /- | /32 | /- | /- |
| C | 67 | /- | /- | /65 | /40 | /103 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 385 | -219 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 74 | -1.59 | 3.17 |
| BC | 38 | 0.00 | 3.17 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

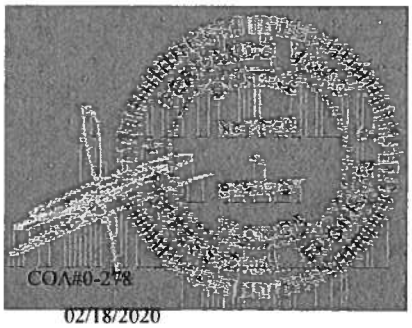
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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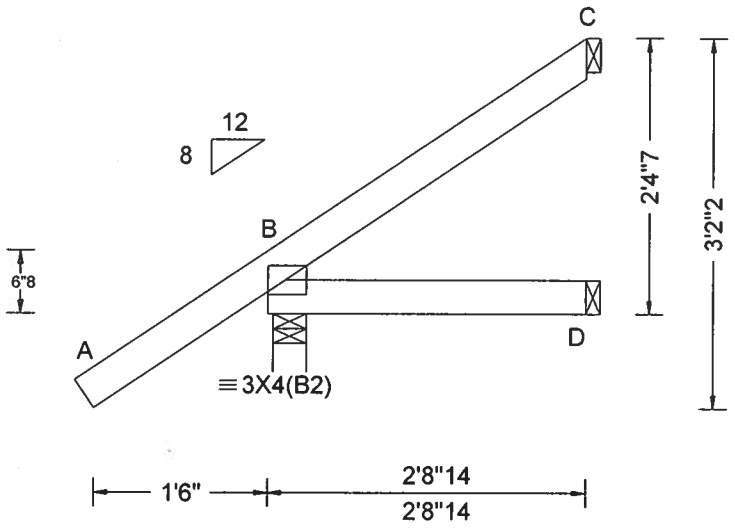
| | | | |
|---|---|---|---|
| SEQN: 57433 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ3D | Cust: R 857 JRef: 1WSV8570002 T49<br>DrwNo: 049.20.1155.35910<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): -0.002 | C | - | - |
| HORZ(TL): 0.003 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.222
Max BC CSI: 0.070
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 248 | /- | /- | /162 | /24 | /74 |
| D | 44 | /- | /- | /26 | /- | /- |
| C | 50 | /- | /- | /28 | /35 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

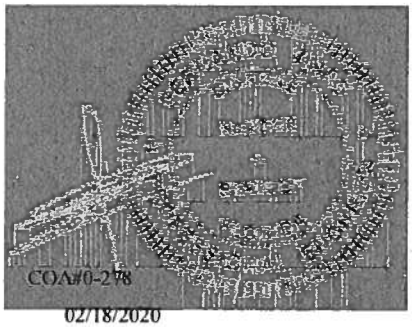
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 62 | -1.58 | 2.74 |
| BC | 31 | 0.19 | 2.74 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Additional Notes**
Refer to General Notes for additional information

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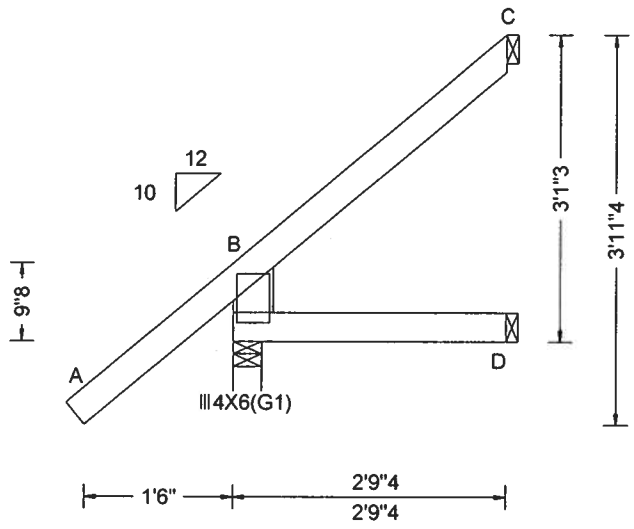
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57434 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ3E | Cust: R 857 JRef: 1WSV8570002 T47<br>DrwNo: 049.20.1155.37027<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.001 C - -
HORZ(TL): 0.002 C - -
Creep Factor: 2.0
Max TC CSI: 0.197
Max BC CSI: 0.056
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 238 | /- | /- | /155 | /6 | /94 |
| D | 50 | /- | /- | /30 | /- | /- |
| C | 57 | /- | /- | /40 | /46 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 68 | -1.59 | 2.77 |
| BC | 33 | 0.00 | 2.77 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

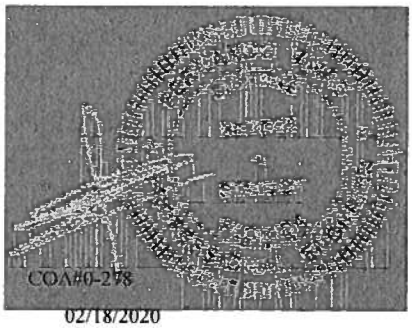
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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Suite 305
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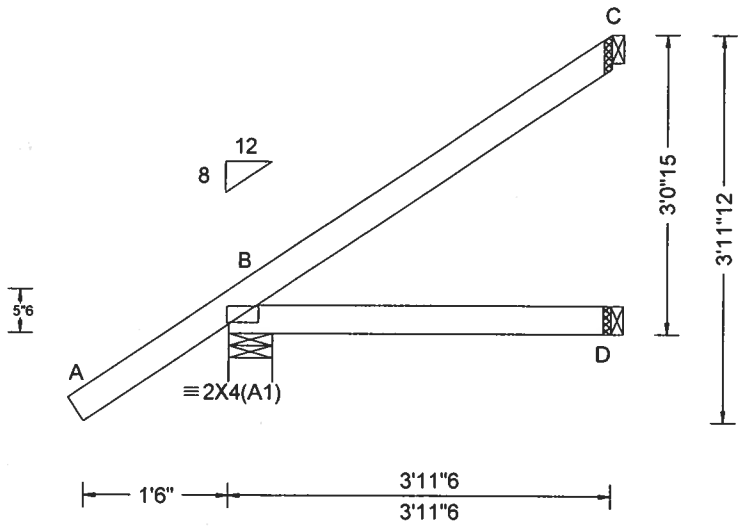
| | | | |
|---|---|---|---|
| SEQN: 57435 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ4 | Cust: R 857 JRef: 1WSV8570002 T13<br>DrwNo: 049.20.1155.37730<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): NA |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): NA |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.001 D - - |
| Des Ld: 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.002 D - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | **Code / Misc Criteria** | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.239 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.112 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.000 |
| | C&C Dist a: 3.00 ft | FT/RT:20(0)/0(0) | |
| | Loc. from endwall: Any | Plate Type(s): | VIEW Ver: 18.02.01A.0205.20 |
| | GCpi: 0.18 | WAVE | |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 279 | /- | /- | /180 | /23 | /97 |
| D | 70 | /- | /- | /40 | /- | /- |
| C | 86 | /- | /- | /49 | /50 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.58 | 3.95 |
| BC | 46 | 0.15 | 3.95 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

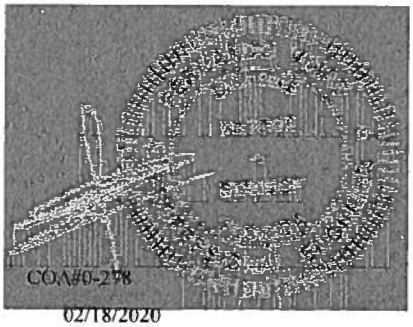
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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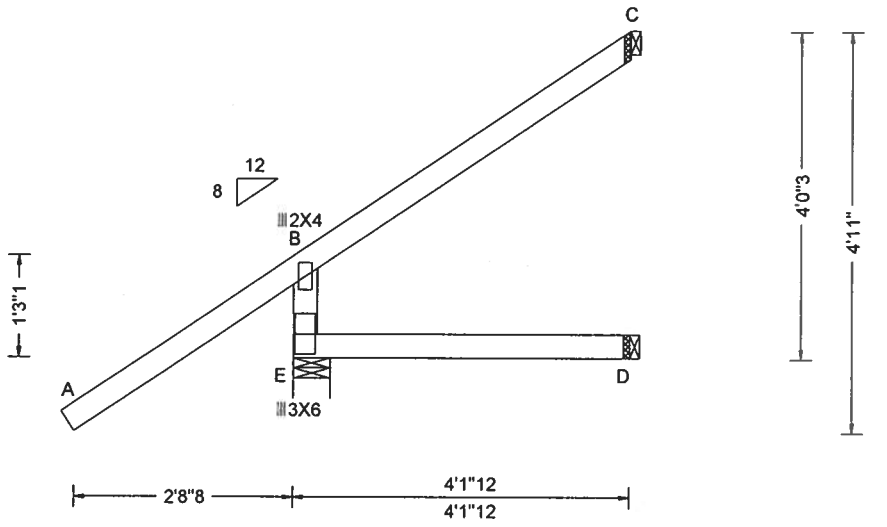
| | | | |
|---|---|---|---|
| SEQN: 57436 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ4A | Cust: R 857 JRef: 1WSV8570002 T25<br>DrwNo: 049.20.1155.38573<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.000 B 999 360<br>VERT(CL): 0.001 B 999 240<br>HORZ(LL): -0.001 B - -<br>HORZ(TL): 0.001 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.564<br>Max BC CSI: 0.156<br>Max Web CSI: 0.161<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 389 | /- | /- | /322 | /134 | /- |
| D | 83 | /- | /- | /41 | /- | /- |
| C | 60 | /- | /- | /85 | /59 | /118 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 539 | -348 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -2.79 | 4.14 |
| BC | 50 | 0.00 | 4.14 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

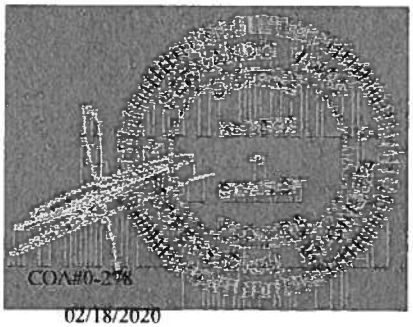
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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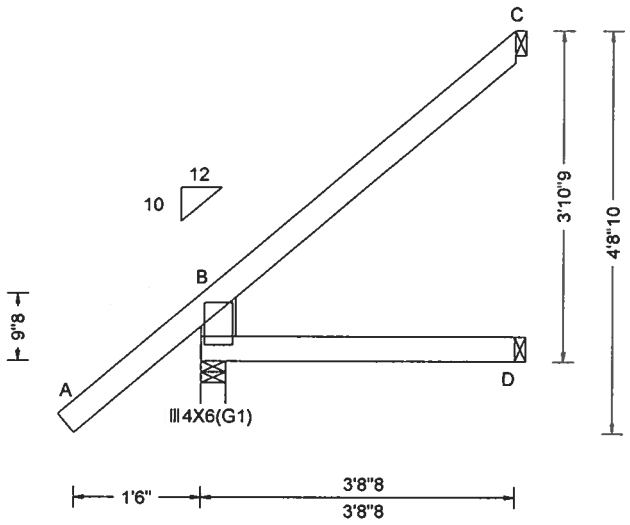
| | | | |
|---|---|---|---|
| SEQN: 57437 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ4B | Cust: R 857 JRef: 1WSV8570002 T62<br>DrwNo: 049.20.1155.39380<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 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
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): -0.003 | C | - | - |
| HORZ(TL): 0.004 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.211
Max BC CSI: 0.102
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 268 | /- | /- | /169 | /- | /115 |
| D | 69 | /- | /- | /40 | /- | /- |
| C | 87 | /- | /- | /64 | /63 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 3.71 |
| BC | 45 | 0.00 | 3.71 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

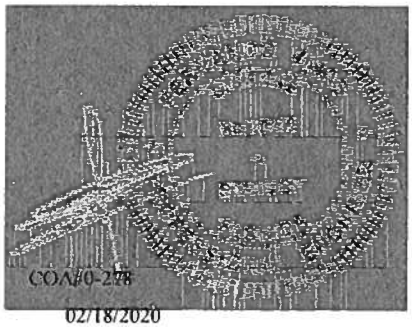
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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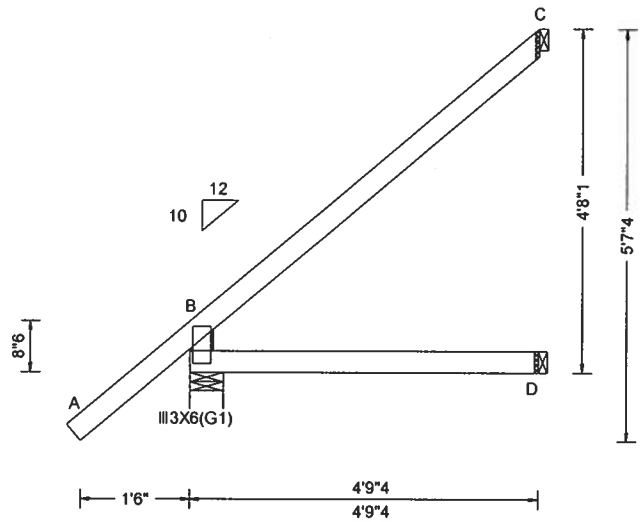
| | | | |
|---|---|---|---|
| SEQN: 57438 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ5 | Cust: R 857 JRef: 1WSV8570002 T28<br>DrwNo: 049.20.1155.40683<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.002 D - -<br>HORZ(TL): 0.003 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.316<br>Max BC CSI: 0.179<br>Max Web CSI: 0.000<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 305 | /- | /- | /190 | /- | /140 |
| D | 89 | /- | /- | /52 | /- | /- |
| C | 118 | /- | /- | /86 | /77 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 4.77 |
| BC | 57 | 0.00 | 4.77 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

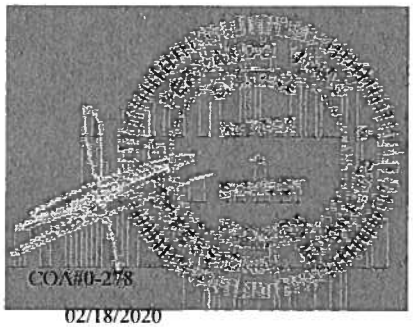
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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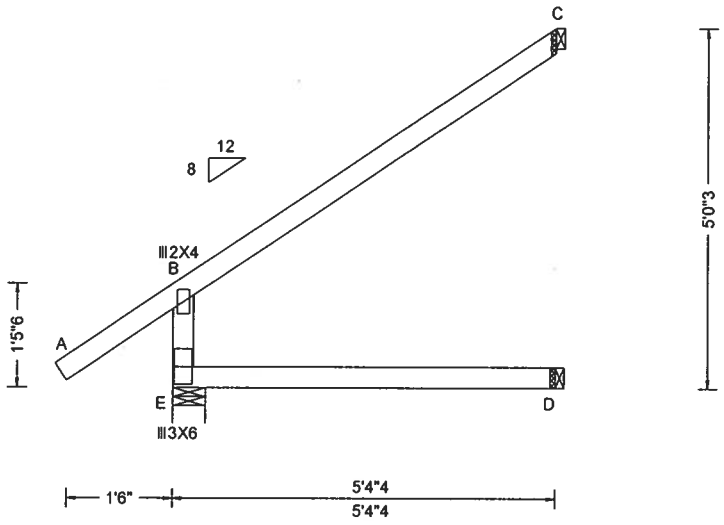
| | | | |
|---|---|---|---|
| SEQN: 57439 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ5A | Cust: R 857 JRef: 1WSV8570002 T22<br>DrwNo: 049.20.1155.41927<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.000 B 999 360 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.001 B 999 240 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.001 B - - |
| Des Ld: | 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.001 B - - |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | **Code / Misc Criteria** | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.328 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.260 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.114 |
| | | C&C Dist a: 3.00 ft | FT/RT:20(0)/0(0) | |
| | | Loc. from endwall: not in 4.50 ft | Plate Type(s): | |
| | | GCpi: 0.18 | WAVE | VIEW Ver: 18.02.01A.0205.20 |
| | | Wind Duration: 1.60 | | |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 317 | /- | /- | /248 | /101 | /- |
| D | 107 | /- | /- | /54 | /- | /- |
| C | 138 | /- | /- | /68 | /6 | /123 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 384 | -264 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.58 | 5.35 |
| BC | 64 | 0.00 | 5.35 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

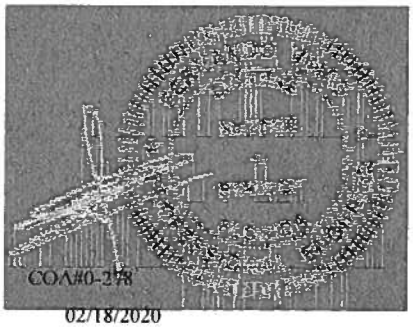
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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Suite 305
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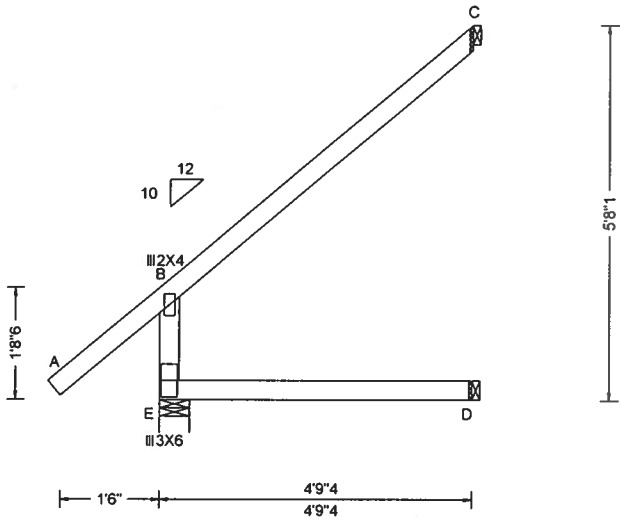
| | | | |
|---|---|---|---|
| SEQN: 57440 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ5B | Cust: R 857 JRef: 1WSV8570002 T54<br>DrwNo: 049.20.1155.42670<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 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
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.000 | B | 999 | 360 |
| VERT(CL): 0.001 | B | 999 | 240 |
| HORZ(LL): -0.001 | B | - | - |
| HORZ(TL): 0.001 | B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.285
Max BC CSI: 0.207
Max Web CSI: 0.131

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | | Gravity | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 305 | /- | /- | /274 | /120 | /- |
| D | 95 | /- | /- | /48 | /- | /- |
| C | 122 | /- | /- | /77 | /25 | /140 |

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 441 | -257 |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

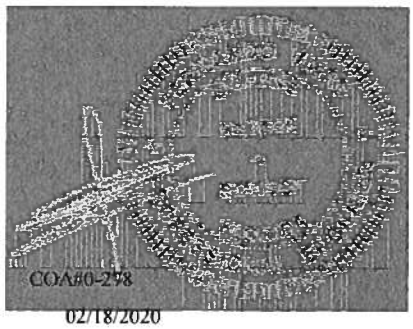
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 4.77 |
| BC | 57 | 0.00 | 4.77 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Additional Notes**
Refer to General Notes for additional information

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6750 Forum Drive
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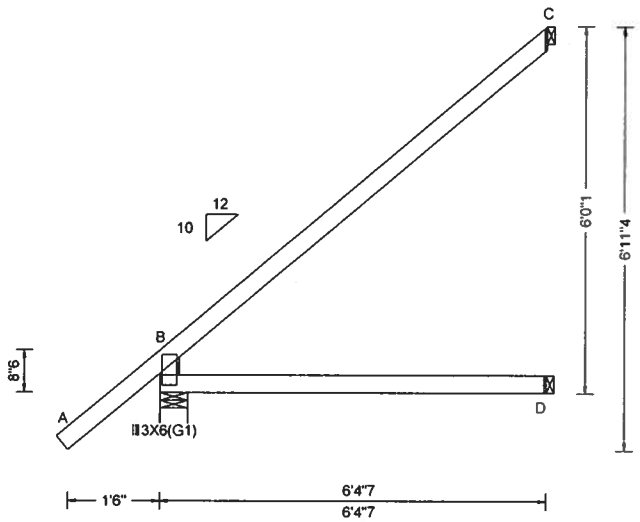
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57441 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ6 | Cust: R 857 JRef: 1WSV8570002 T27<br>DrwNo: 049.20.1155.43413<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): NA |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): NA |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.005 D - - |
| Des Ld: | 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.009 D - - |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | **Code / Misc Criteria** | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.512 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.353 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: 0.000 |
| | | C&C Dist a: 3.00 ft | FT/RT:20(0)/0(0) | |
| | | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | | GCpi: 0.18 | WAVE | VIEW Ver: 18.02.01A.0205.20 |
| | | Wind Duration: 1.60 | | |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 363 | /- | /- | /221 | /- | /177 |
| D | 120 | /- | /- | /70 | /- | /- |
| C | 162 | /- | /- | /119 | /104 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 6.37 |
| BC | 75 | 0.00 | 6.37 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

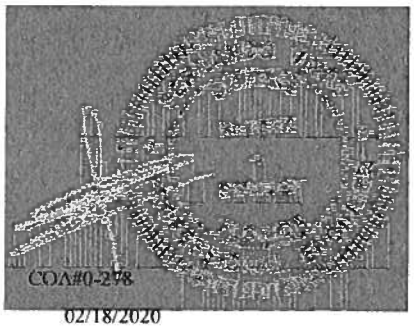
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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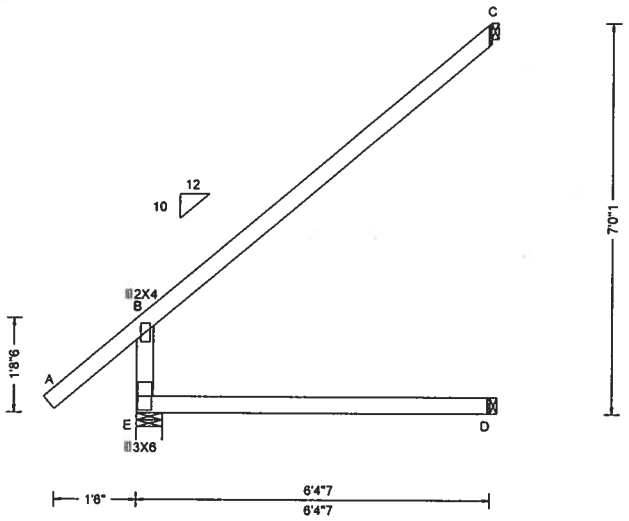
| | | | |
|---|---|---|---|
| SEQN: 57442 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ6A | Cust: R 857 JRef: 1WSV8570002 T56<br>DrwNo: 049.20.1155.44203<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | **▲ Maximum Reactions (lbs)** |
|---|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# | Gravity / Non-Gravity |
| TCDL: 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.000 B 999 360 | Loc R+ / R- / Rh / Rw / U / RL |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.001 B 999 240 | E 363 /- /- /319 /140 /- |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.002 B - - | D 138 /- /- /64 /- /- |
| Des Ld: 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.002 B - - | C 173 /- /- /91 /13 /177 |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | **Code / Misc Criteria** | Creep Factor: 2.0 | Wind reactions based on MWFRS |
| Soffit: 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.525 | E Brg Width = 5.5 Min Req = 1.5 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.369 | D Brg Width = 1.5 Min Req = - |
| Spacing: 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: 0.140 | C Brg Width = 1.5 Min Req = - |
| | C&C Dist a: 3.00 ft | FT/RT:20(0)/0(0) | | Bearing E Fcperp = 425psi. |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | | Members not listed have forces less than 375# |
| | GCpi: 0.18 | WAVE | | **Maximum Web Forces Per Ply (lbs)** |
| | Wind Duration: 1.60 | | VIEW Ver: 18.02.01A.0205.20 | Webs Tens.Comp. |
| | | | | B - E 472 -299 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 6.37 |
| BC | 76 | 0.00 | 6.37 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**

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

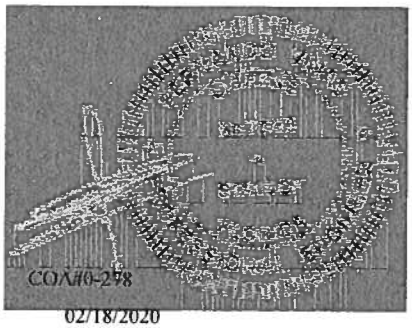
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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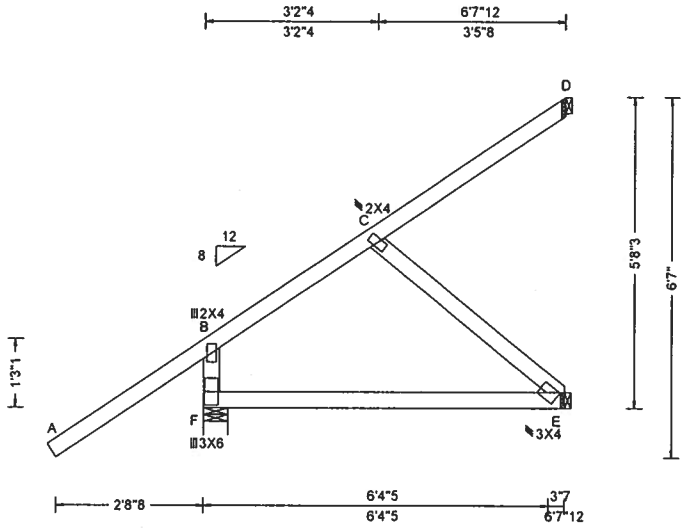
| | | | |
|---|---|---|---|
| SEQN: 57443 JACK<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ7 | Cust: R 857 JRef: 1WSV8570002 T24<br>DrwNo: 049.20.1155.44937<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 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
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | C | 999 | 360 |
| VERT(CL): 0.002 | C | 999 | 240 |
| HORZ(LL): -0.001 | B | - | - |
| HORZ(TL): 0.001 | B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.524
Max BC CSI: 0.386
Max Web CSI: 0.145

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | Non-Gravity | | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| F | 404 | /- | /85 | /344 | /104 | /70 |
| E | 147 | /- | /- | /122 | /16 | /- |
| D | 157 | /- | /85 | /103 | /30 | /118 |

Wind reactions based on MWFRS
F Brg Width = 5.5 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing F Fcperp = 425psi.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - F | 486 | -339 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -2.79 | 6.64 |
| BC | 78 | 0.00 | 6.49 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

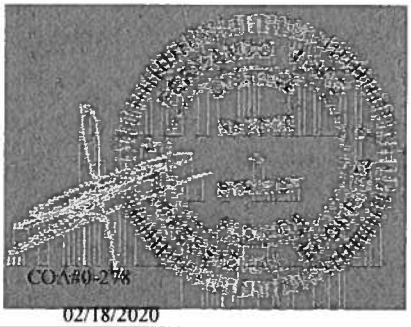
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information




02/18/2020

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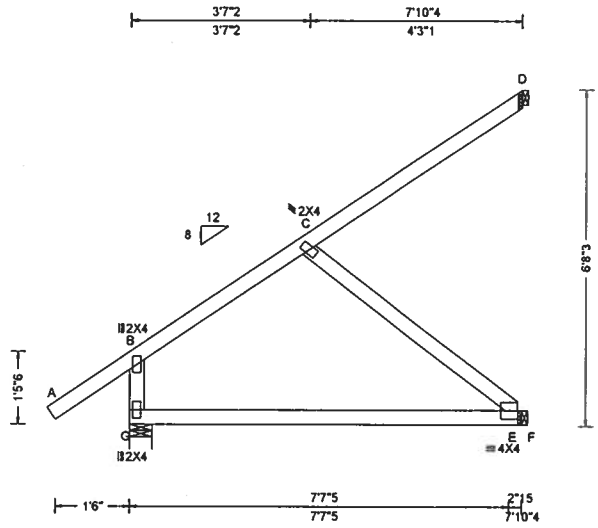
| | | | |
|---|---|---|---|
| SEQN: 57444 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** CJ8 | Cust: R 857 JRef: 1WSV8570002 T35<br>DrwNo: 049.20.1155.46323<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 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
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.055 | C | 999 | 360 |
| VERT(CL): 0.101 | C | 930 | 240 |
| HORZ(LL): -0.077 | D | - | - |
| HORZ(TL): 0.142 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.285
Max BC CSI: 0.519
Max Web CSI: 0.290

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| G | 409 | /- | /- | /237 | /- | /169 |
| E | 189 | /- | /- | /158 | /58 | /- |
| D | 123 | /- | /- | /60 | /48 | /- |

Wind reactions based on MWFRS
G Brg Width = 5.5 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing G Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.58 | 7.85 |
| BC | 94 | 0.00 | 7.85 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

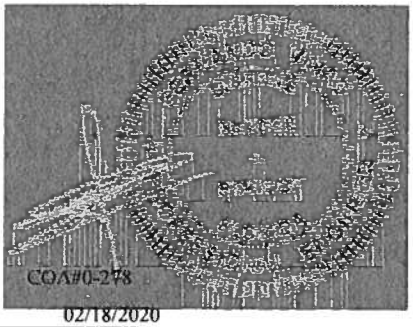
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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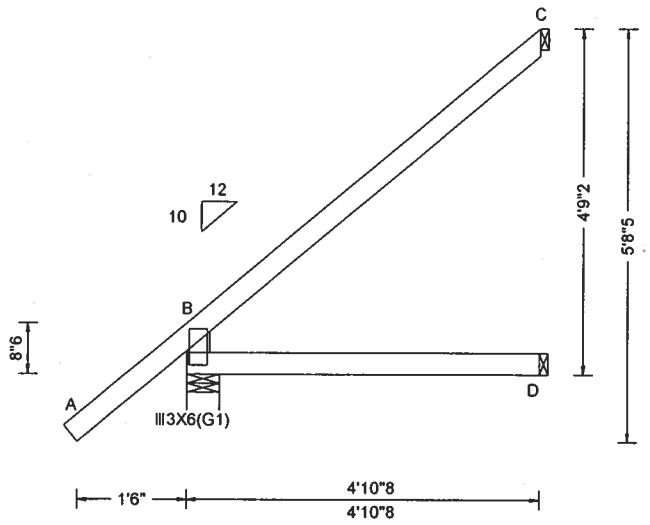
| | | | |
|---|---|---|---|
| SEQN: 57445 EJAC<br>FROM: | Ply: 1<br>Qty: 4 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** EJ5 | Cust: R 857 JRef: 1WSV8570002 T16<br>DrwNo: 049.20.1155.47097<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 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
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): 0.002 | D | - | - |
| HORZ(TL): 0.003 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.327
Max BC CSI: 0.188
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 308 | /- | /- | /192 | /- | /142 |
| D | 91 | /- | /- | /53 | /- | /- |
| C | 121 | /- | /- | /88 | /79 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x4 SP #3;

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

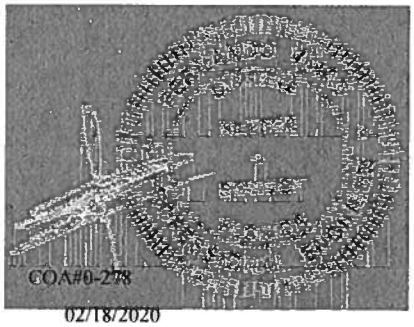
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 4.88 |
| BC | 59 | 0.00 | 4.88 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Additional Notes**
Refer to General Notes for additional information

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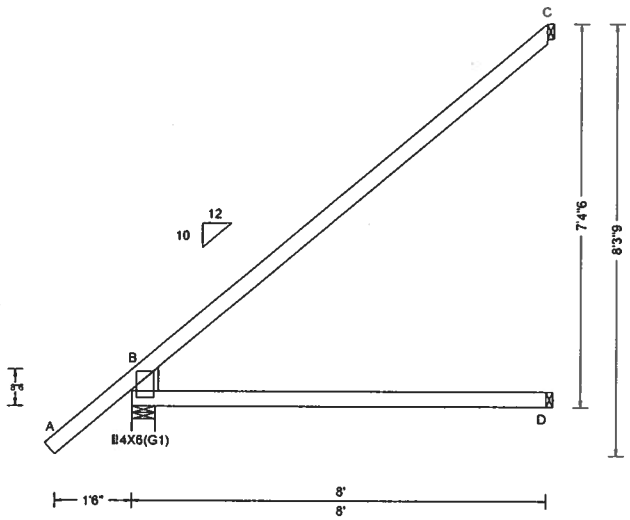
| | | | |
|---|---|---|---|
| SEQN: 57446 EJAC<br>FROM: | Ply: 1<br>Qty: 7 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** EJ8 | Cust: R 857 JRef: 1WSV8570002 T26<br>DrwNo: 049.20.1155.47880<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.011 D - -<br>HORZ(TL): 0.021 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.765<br>Max BC CSI: 0.616<br>Max Web CSI: 0.000<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 424 | /- | /- | /253 | /- | /215 |
| D | 174 | /- | /- | /90 | /- | /- |
| C | 205 | /- | /- | /151 | /130 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 8.00 |
| BC | 75 | 0.00 | 8.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**

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

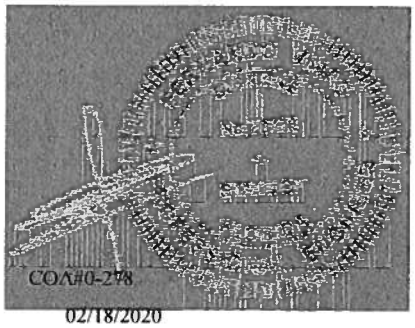
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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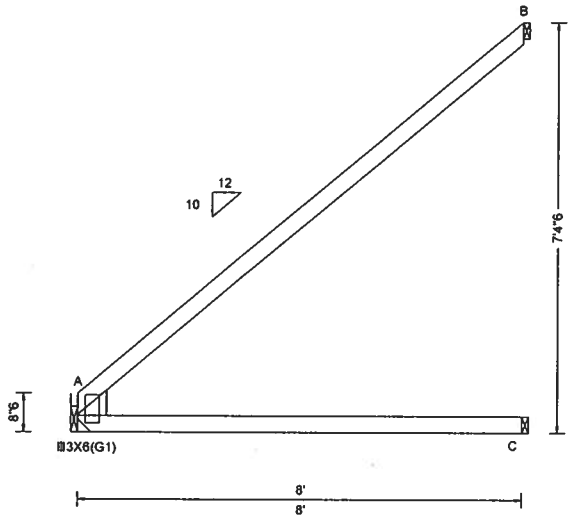
| | | | | | |
|---|---|---|---|---|---|
| SEQN: 57447 EJAC<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 9 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** EJ8A | | Cust: R 857 JRef: 1WSV8570002 T31<br>DrwNo: 049.20.1155.48870<br>AK / FV 02/18/2020 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | **▲Maximum Reactions (lbs)** |
|---|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.012 C - -<br>HORZ(TL): 0.023 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.801<br>Max BC CSI: 0.649<br>Max Web CSI: 0.000<br><br>VIEW Ver: 18.02.01A.0205.20 | Gravity / Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>A 313 /- /- /166 /- /134<br>C 179 /- /- /95 /- /-<br>B 210 /- /- /155 /86 /-<br>Wind reactions based on MWFRS<br>A Brg Width = - Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>B Brg Width = 1.5 Min Req = -<br>Members not listed have forces less than 375# |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | 0.00 | 8.00 |
| BC | 75 | 0.00 | 8.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**

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

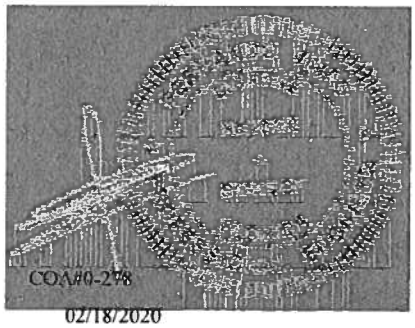
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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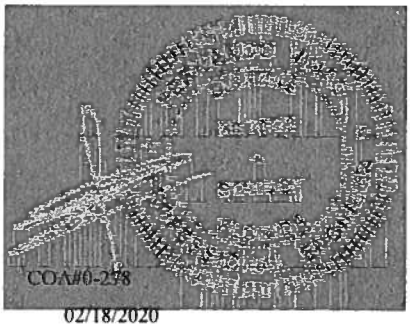
**Hangers / Ties**

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=0' uses the following support conditions: 0'
Bearing A (0', 10'1"2) LUS24
Supporting Member: (1)2x6 SP #1
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.







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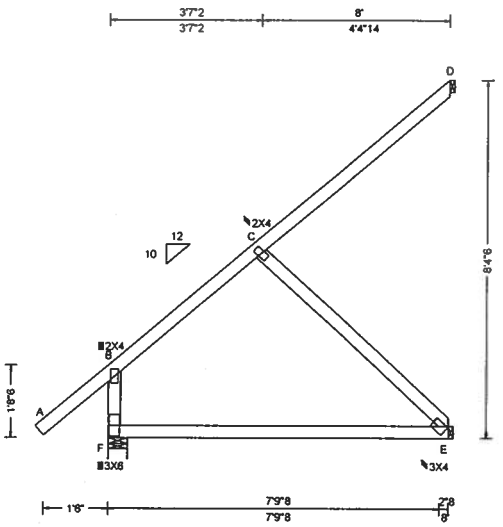
| | | | |
|---|---|---|---|
| SEQN: 57448 EJAC<br>FROM: | Ply: 1<br>Qty: 11 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** EJ8B | Cust: R 857 JRef: 1WSV8570002 T57<br>DrwNo: 049.20.1155.50317<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.002 | C | 999 | 360 |
| VERT(CL): 0.004 | C | 999 | 240 |
| HORZ(LL): -0.001 | C | - | - |
| HORZ(TL): 0.002 | B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.229
Max BC CSI: 0.573
Max Web CSI: 0.156

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| F | 288 | /- | /151 | /262 | /59 | /103 |
| E | 216 | /- | /- | /173 | /54 | /- |
| D | 241 | /- | /151 | /116 | /- | /113 |

Wind reactions based on MWFRS
F Brg Width = 5.5 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing F Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.59 | 8.00 |
| BC | 95 | 0.00 | 7.89 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

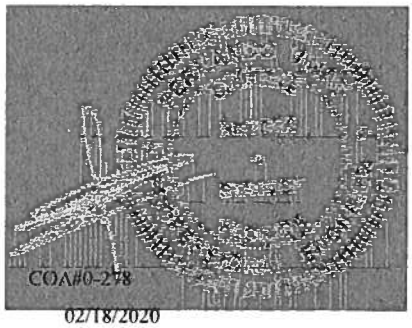
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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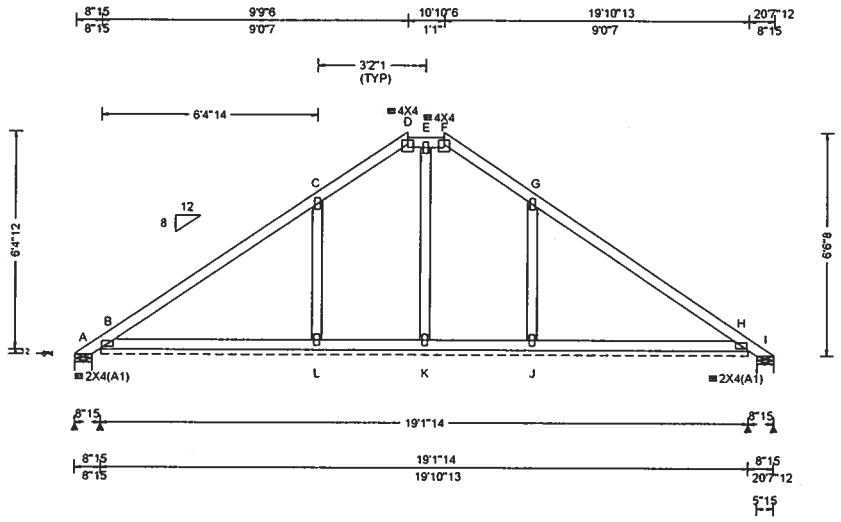
| | | | |
|---|---|---|---|
| SEQN: 57449 HIPS<br>FROM: CVB | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H10A | Cust: R 857 JRef: 1WSV8570002 T17<br>DrwNo: 049.20.1155.51330<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 24.20 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.003 | L | 999 | 360 |
| VERT(CL): 0.006 | J | 999 | 240 |
| HORZ(LL): 0.005 | J | - | - |
| HORZ(TL): 0.006 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.327
Max BC CSI: 0.232
Max Web CSI: 0.605

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-199 | /- | /180 | /238 | /151 |
| B* | 85 | /- | /- | /52 | /47 | /- |
| I | - | /-199 | /- | /180 | /158 | /- |
| J | | /-107 | | | | |
| H | | /-130 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 229 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I 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 | 732 | -945 | B - C | 378 | -407 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - L | 470 | -260 | K - J | 419 | -172 |
| L - K | 419 | -172 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - L | 505 | -296 | J - G | 476 | -296 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -0.51 | 9.04 |
| TC | 24 | 9.04 | 10.12 |
| TC | 75 | 10.12 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

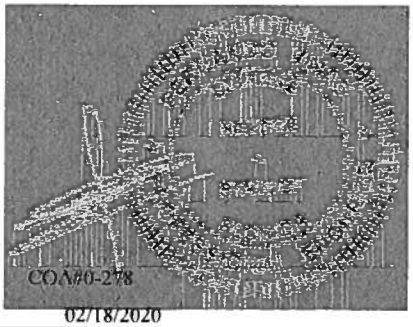
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Negative reaction(s) of -199# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.




02/18/2020

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

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

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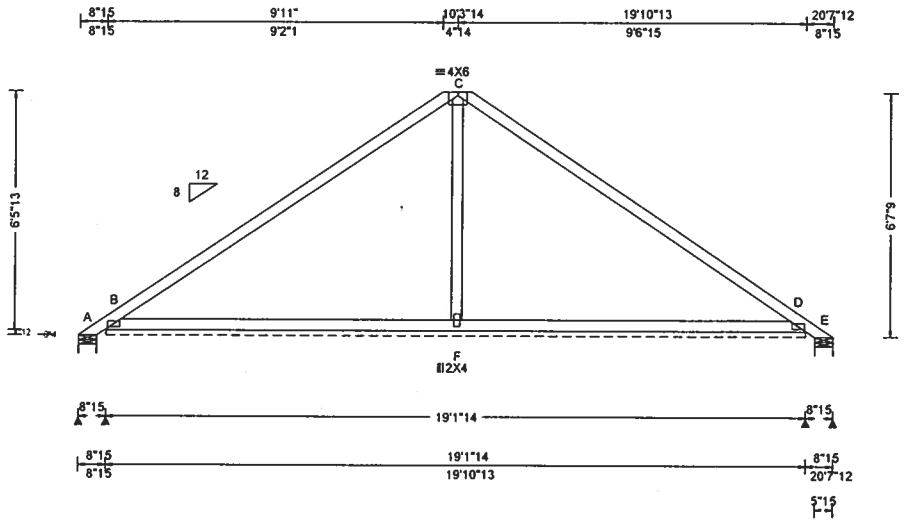
| | | | |
|---|---|---|---|
| SEQN: 57450 HIPS<br>FROM: CVB | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H10B | Cust: R 857 JRef: 1WSV8570002 T39<br>DrwNo: 049.20.1155.52133<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 24.24 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.008 | F | 999 | 360 |
| VERT(CL): 0.012 | F | 999 | 240 |
| HORZ(LL): 0.009 | F | - | - |
| HORZ(TL): 0.012 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.999
Max BC CSI: 0.763
Max Web CSI: 0.987

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | | Gravity | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-710 | /- | /618 | /540 | /155 |
| B* | 138 | /- | /- | /67 | /91 | /- |
| E | - | /-710 | /- | /618 | /456 | /- |
| D | | /-463 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.8
B Brg Width = 229 Min Req = -
E Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 491 | -1322 | C - D | 409 | -408 |
| B - C | 476 | -408 | D - E | 410 | -412 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

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

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 12 | -0.51 | 9.58 |
| TC | 67 | 9.58 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

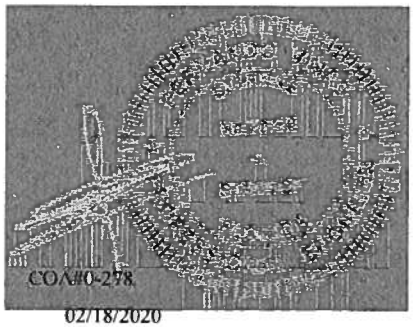
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Negative reaction(s) of -710# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.

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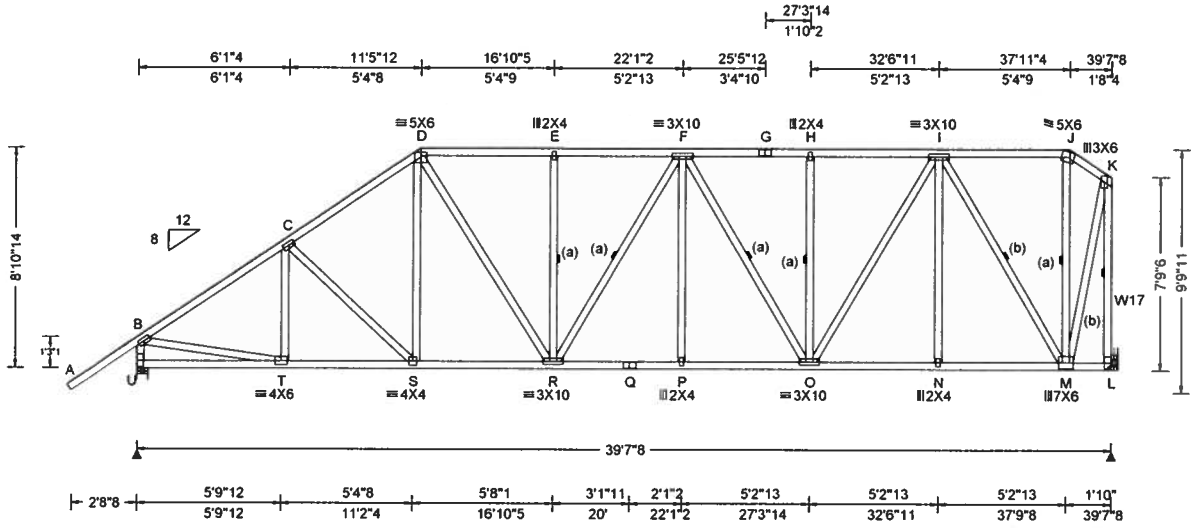
| SEQN: 57451 HIPS<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | Job Number: B50621a<br>-Pinchouk Res Trademark Const Group<br>Truss Label: H11A | Cust: R 857 JRef: 1WSV8570002 T32<br>DrwNo: 049.20.1155.53693<br>AK / FV 02/18/2020 |
|---|---|---|---|




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.096 P 999 360 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.181 P 999 240 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.035 M - - |
| Des Ld: 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.065 M - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Code / Misc Criteria | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.963 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.557 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.733 |
| | C&C Dist a: 3.96 ft | FT/RT:20(0)/0(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | VIEW Ver: 18.02.01A.0205.20 |
| | GCpi: 0.18 | WAVE | |
| | Wind Duration: 1.60 | | |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| U | 1700 | /- | /- | /1472 | /- | /305 |
| L | 1516 | /- | /- | /1284 | /- | /- |

Wind reactions based on MWFRS
U Brg Width = 5.5 Min Req = 2.1
L Brg Width = - Min Req = -
Bearing U Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 223 | -1978 | F - G | 409 | -1509 |
| C - D | 324 | -1831 | G - H | 409 | -1509 |
| D - E | 401 | -1716 | H - I | 409 | -1509 |
| E - F | 401 | -1716 | J - K | 202 | -406 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| U - T | 219 | -405 | Q - P | 1734 | -484 |
| T - S | 1564 | -459 | P - O | 1734 | -484 |
| S - R | 1442 | -427 | O - N | 1044 | -321 |
| R - Q | 1734 | -484 | N - M | 1044 | -321 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - U | 294 | -1647 | O - I | 895 | -221 |
| B - T | 1564 | -81 | I - M | 338 | -1403 |
| S - D | 390 | 0 | M - K | 1322 | -322 |
| D - R | 517 | -202 | K - L | 290 | -1503 |
| F - O | 123 | -441 | | | |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W17 2x4 SP #1;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

All plates are 3X6 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 48 | -2.79 | 11.48 |
| TC | 24 | 11.48 | 37.94 |
| TC | 24 | 37.94 | 39.62 |
| BC | 120 | 0.00 | 39.62 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

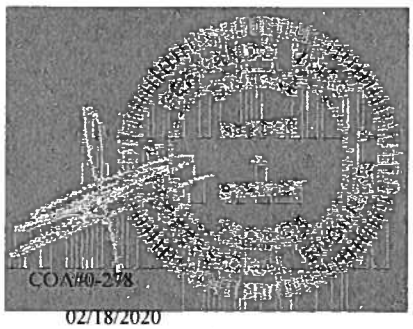
Refer to General Notes for additional information

**Wind**

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

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

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**Hangers / Ties**

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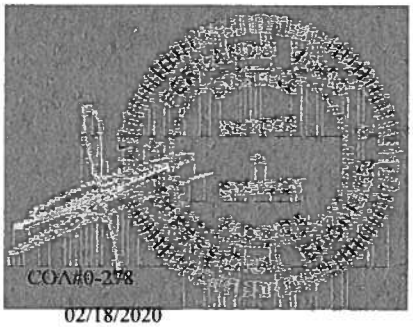
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=39'4"8 uses the following support conditions: 39'4"8
Bearing L (39'4"8, 10'1"2) HGUS28
Supporting Member: (2)2x8 SP SS Dense
(36) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.

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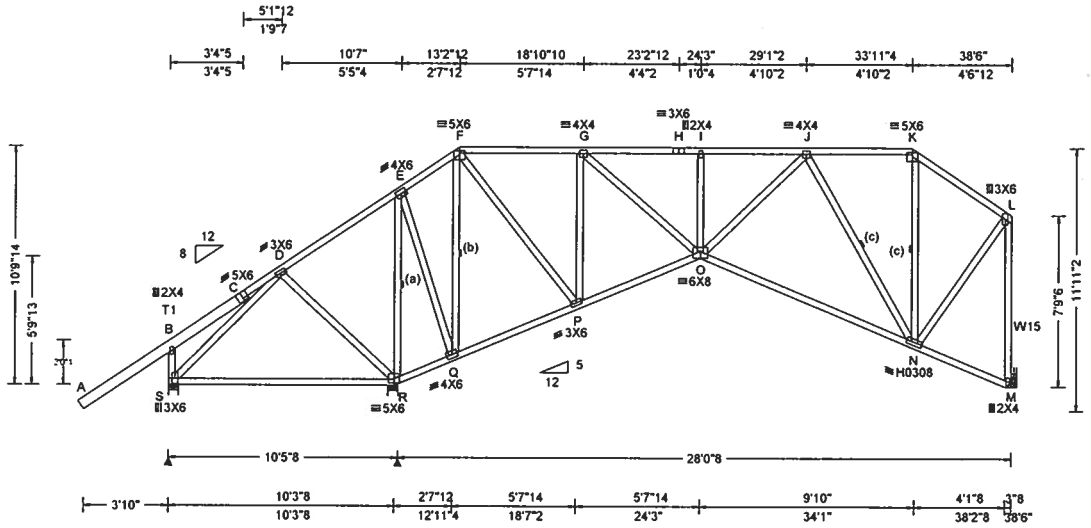
| SEQN: 57452 HIPS | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T52 |
|---|---|---|---|
| FROM: | Qty: 2 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1155.55243 |
| Page 1 of 2 | | Truss Label: H13A | AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.14 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.85 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.070 | I | 999 | 360 |
| VERT(CL): 0.134 | I | 999 | 240 |
| HORZ(LL): 0.064 | M | - | - |
| HORZ(TL): 0.121 | M | - | - |

Creep Factor: 2.0
Max TC CSI: 0.455
Max BC CSI: 0.677
Max Web CSI: 0.960

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| S | 239 | /- | /- | /121 | /124 | /358 |
| R | 2066 | /- | /- | /1780 | /- | /- |
| M | 944 | /- | /- | /798 | /- | /- |

Wind reactions based on MWFRS
S Brg Width = 5.3 Min Req = 1.5
R Brg Width = 5.5 Min Req = 2.6
M Brg Width = - Min Req = -
Bearings S & R Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| D - E | 699 | -292 | I - J | 405 | -1211 |
| F - G | 268 | -490 | J - K | 226 | -424 |
| G - H | 405 | -1211 | K - L | 208 | -568 |
| H - I | 405 | -1211 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| S - R | 194 | -407 | P - O | 592 | -313 |
| R - Q | 216 | -546 | O - N | 907 | -414 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - S | 370 | -470 | P - G | 428 | -947 |
| S - D | 604 | -460 | G - O | 917 | -293 |
| R - E | 501 | -1470 | O - J | 571 | -198 |
| E - Q | 1020 | -324 | J - N | 369 | -770 |
| Q - F | 392 | -1094 | N - L | 686 | -168 |
| F - P | 1004 | -311 | L - M | 168 | -929 |

**Lumber**

Top chord: 2x4 SP #1; T1 2x6 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W15 2x4 SP #1;

**Bracing**

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -3.96 | 13.23 |
| TC | 24 | 13.23 | 33.94 |
| TC | 66 | 33.94 | 38.50 |
| BC | 75 | 0.00 | 10.29 |
| BC | 75 | 10.29 | 24.25 |
| BC | 75 | 24.25 | 38.50 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

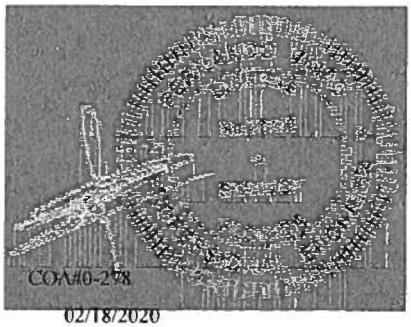
End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Shim all supports to solid bearing.

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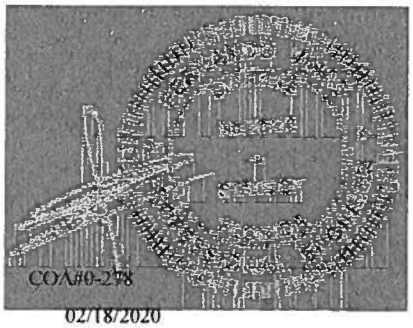
Bearing at location x=38'3" uses the following support conditions: 38'3"
Bearing M (38'3", 10'1"2) HUS26
Supporting Member: (2)2x8 SP SS Dense
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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


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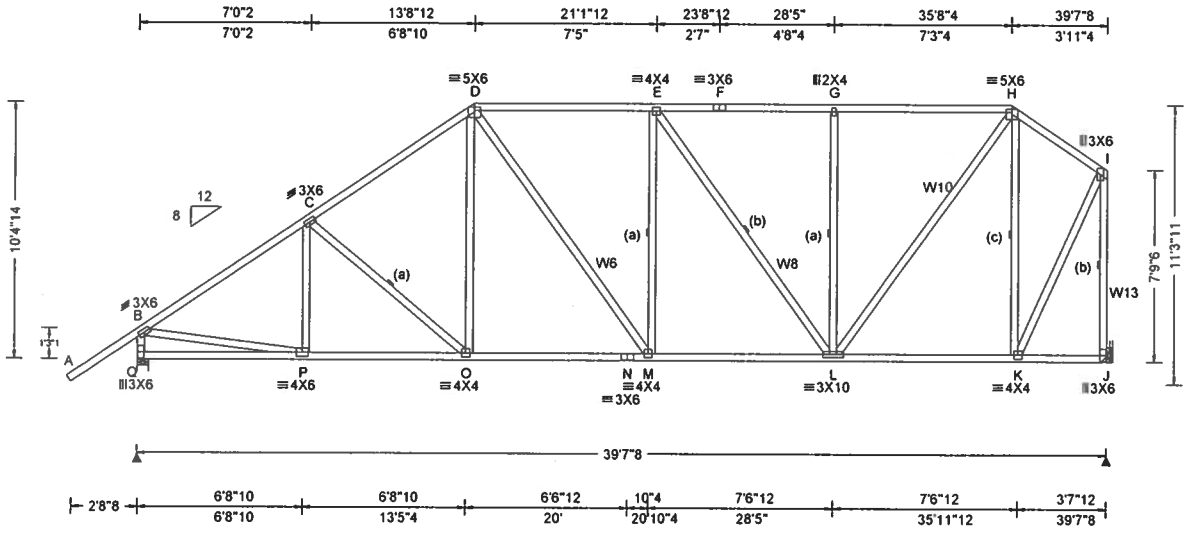
6750 Forum Drive
Suite 305
Orlando FL, 32821

| SEQN: 57453 HIPS | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T9 |
|---|---|---|---|
| FROM: | Qty: 1 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1155.56680 |
| Page 1 of 2 | | Truss Label: H14A | AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.96 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.081 | E | 999 | 360 |
| VERT(CL): 0.154 | E | 999 | 240 |
| HORZ(LL): 0.028 | K | - | - |
| HORZ(TL): 0.052 | K | - | - |

Creep Factor: 2.0
Max TC CSI: 0.996
Max BC CSI: 0.732
Max Web CSI: 0.967

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| Q | 1700 | /- | /- | /1461 | /- | /339 |
| J | 1516 | /- | /- | /1274 | /- | /- |

Wind reactions based on MWFRS
Q Brg Width = 5.5 Min Req = 2.1
J Brg Width = - Min Req = -
Bearing Q Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 198 | -2008 | F - G | 371 | -1238 |
| C - D | 310 | -1759 | G - H | 372 | -1239 |
| D - E | 389 | -1505 | H - I | 242 | -672 |
| E - F | 371 | -1238 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| Q - P | 261 | -406 | N - M | 1364 | -386 |
| P - O | 1580 | -434 | M - L | 1506 | -431 |
| O - N | 1364 | -386 | L - K | 553 | -200 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - Q | 273 | -1641 | L - H | 1173 | -296 |
| B - P | 1564 | -41 | H - K | 354 | -947 |
| O - D | 524 | 0 | K - I | 1197 | -263 |
| E - L | 140 | -466 | I - J | 264 | -1499 |
| G - L | 301 | -425 | | | |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W6,W8,W10,W13 2x4 SP #1;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(c) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 48 | -2.79 | 13.73 |
| TC | 24 | 13.73 | 35.69 |
| TC | 57 | 35.69 | 39.62 |
| BC | 120 | 0.00 | 39.62 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

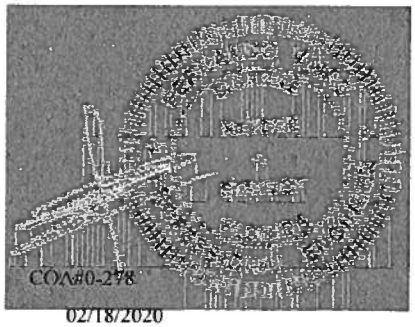
Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information




02/18/2020

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Orlando FL, 32821

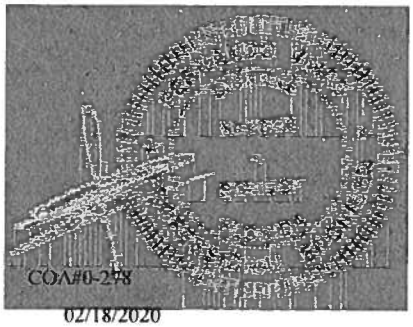
| | | | |
|---|---|---|---|
| SEQN: 57453 HIPS<br>FROM:<br>Page 2 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H14A | Cust: R 857 JRef: 1WSV8570002 T9<br>DrwNo: 049.20.1155.56680<br>AK / FV 02/18/2020 |

**Hangers / Ties**

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=39'4"8 uses the following support conditions: 39'4"8
Bearing J (39'4"8, 10'1"2) HGUS28
Supporting Member: (2)2x8 SP SS Dense
(36) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.

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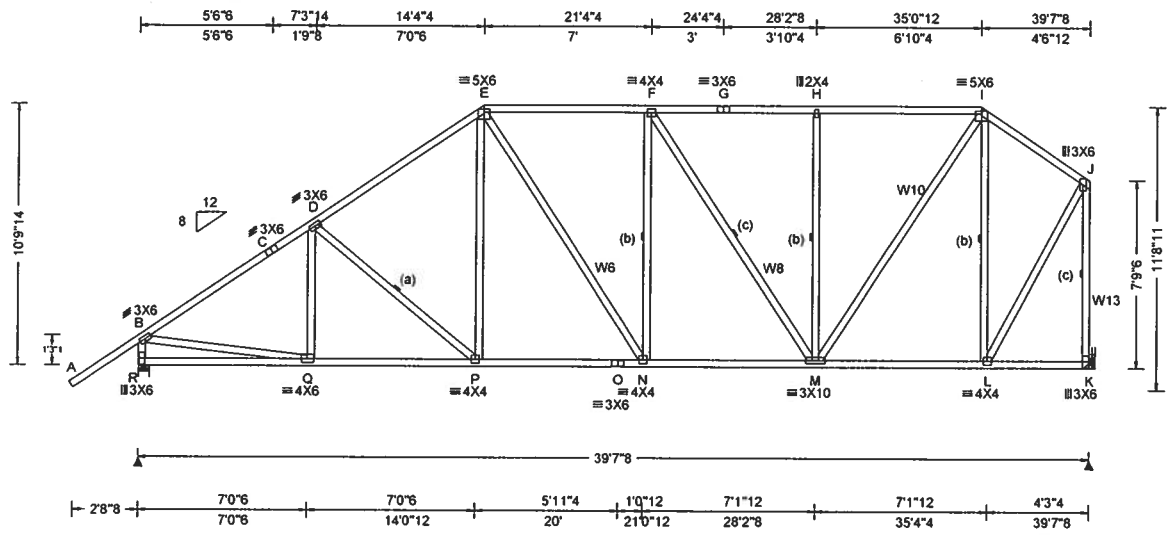
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57454 HIPS<br>FROM: .<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H14B | Cust: R 857 JRef: 1WSV8570002 T14<br>DrwNo: 049.20.1155.58057<br>AK / FV 02/18/2020 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.18 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.96 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.078 F 999 360<br>VERT(CL): 0.147 F 999 240<br>HORZ(LL): 0.027 L - -<br>HORZ(TL): 0.051 L - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.963<br>Max BC CSI: 0.799<br>Max Web CSI: 0.973<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| R | 1700 | /- | /- | /1373 | /- | /350 |
| K | 1516 | /- | /- | /1267 | /- | /- |

Wind reactions based on MWFRS
R Brg Width = 5.5 Min Req = 2.1
K Brg Width = - Min Req = -
Bearing R Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 206 | -2016 | F - G | 361 | -1198 |
| C - D | 214 | -1842 | G - H | 361 | -1198 |
| D - E | 315 | -1733 | H - I | 361 | -1198 |
| E - F | 381 | -1440 | I - J | 251 | -747 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| R - Q | 273 | -408 | O - N | 1336 | -388 |
| Q - P | 1584 | -452 | N - M | 1440 | -419 |
| P - O | 1336 | -388 | M - L | 601 | -210 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - R | 302 | -1639 | M - I | 1093 | -286 |
| B - Q | 1561 | -50 | I - L | 340 | -880 |
| P - E | 530 | 0 | L - J | 1161 | -257 |
| F - M | 137 | -448 | J - K | 269 | -1489 |
| H - M | 288 | -398 | | | |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W6,W8,W10,W13 2x4 SP #1;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(c) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 47 | -2.79 | 14.35 |
| TC | 24 | 14.35 | 35.06 |
| TC | 66 | 35.06 | 39.62 |
| BC | 120 | 0.00 | 39.62 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

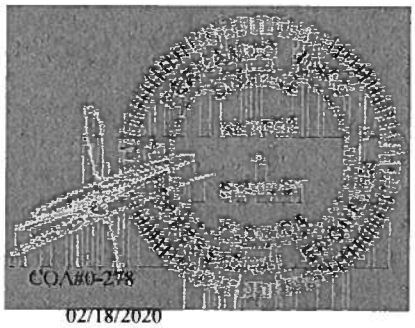
Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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**Hangers / Ties**

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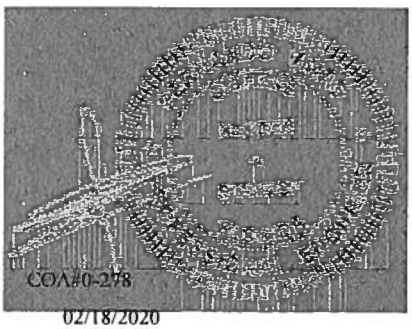
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=39'4"8 uses the following support conditions: 39'4"8
Bearing K (39'4"8, 10'1"2) HGUS28
Supporting Member: (2)2x8 SP SS Dense
(36) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.







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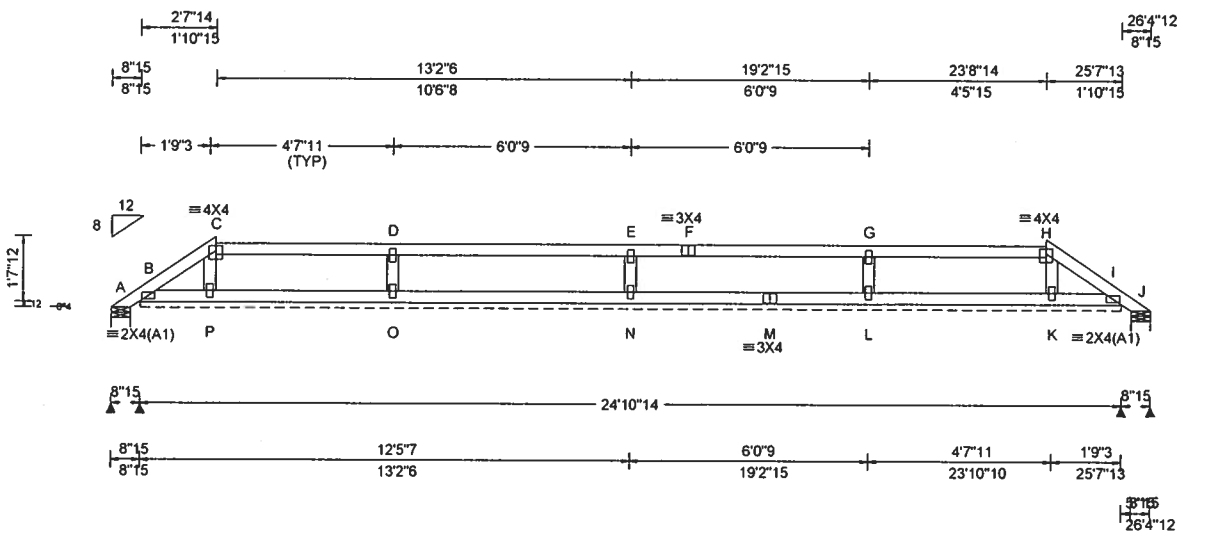
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57455 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H3A | | Cust: R 857 JRef: 1WSV8570002 T43<br>DrwNo: 049.20.1155.59087<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 19.91 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | 0.000 E | 999 | 360 |
| VERT(CL): | 0.001 E | 999 | 240 |
| HORZ(LL): | 0.001 K | - | - |
| HORZ(TL): | 0.001 K | - | - |

Creep Factor: 2.0
Max TC CSI: 0.259
Max BC CSI: 0.136
Max Web CSI: 0.113

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | 3 | /- | /- | /27 | /19 | /37 |
| B* | 63 | /- | /- | /36 | /21 | /- |
| J | 3 | /- | /- | /7 | /- | /- |
| O | | /-131 | | | | |
| N | | /-148 | | | | |
| L | | /-150 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 298 Min Req = -
J Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & J are a rigid surface.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| D - O | 380 | -330 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 35 | -0.51 | 1.91 |
| TC | 24 | 1.91 | 23.00 |
| TC | 35 | 23.00 | 25.42 |
| BC | 75 | 0.15 | 24.76 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

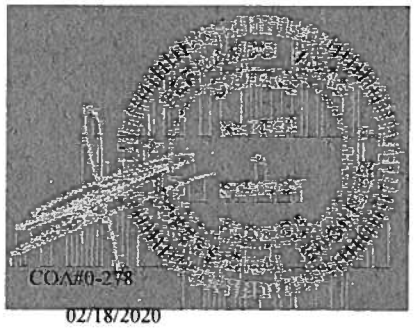
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.

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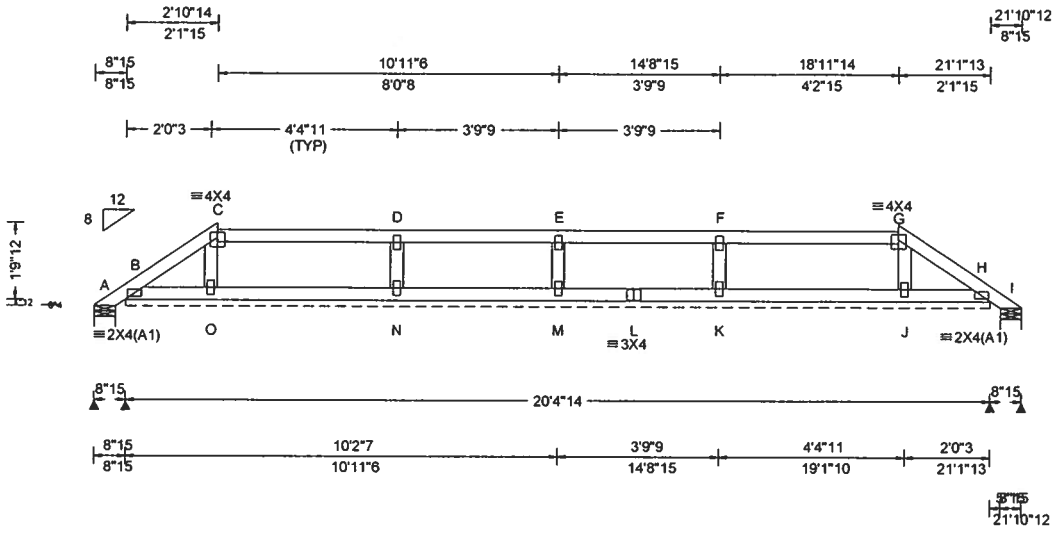
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57456 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H3B | | Cust: R 857 JRef: 1WSV8570002 T50<br>DrwNo: 049.20.1156.00050<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 21.49 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.000 | D | 999 | 360 |
| VERT(CL): 0.001 | D | 999 | 240 |
| HORZ(LL): 0.001 | J | - | - |
| HORZ(TL): 0.001 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.153
Max BC CSI: 0.087
Max Web CSI: 0.095

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-2 | /- | /32 | /23 | /41 |
| B* | 64 | /- | /- | /37 | /22 | /- |
| I | - | /-2 | /- | /9 | /- | /- |
| N | | /-117 | | | | |
| K | | /-123 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 244 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 38 | -0.51 | 2.16 |
| TC | 24 | 2.16 | 18.25 |
| TC | 38 | 18.25 | 20.92 |
| BC | 120 | 0.15 | 20.26 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

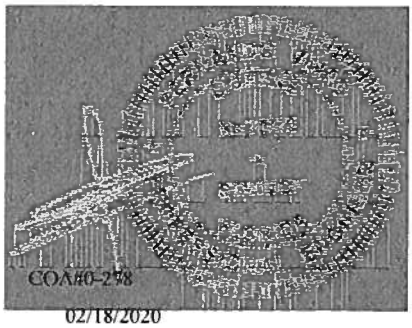
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.



02/18/2020

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6750 Forum Drive
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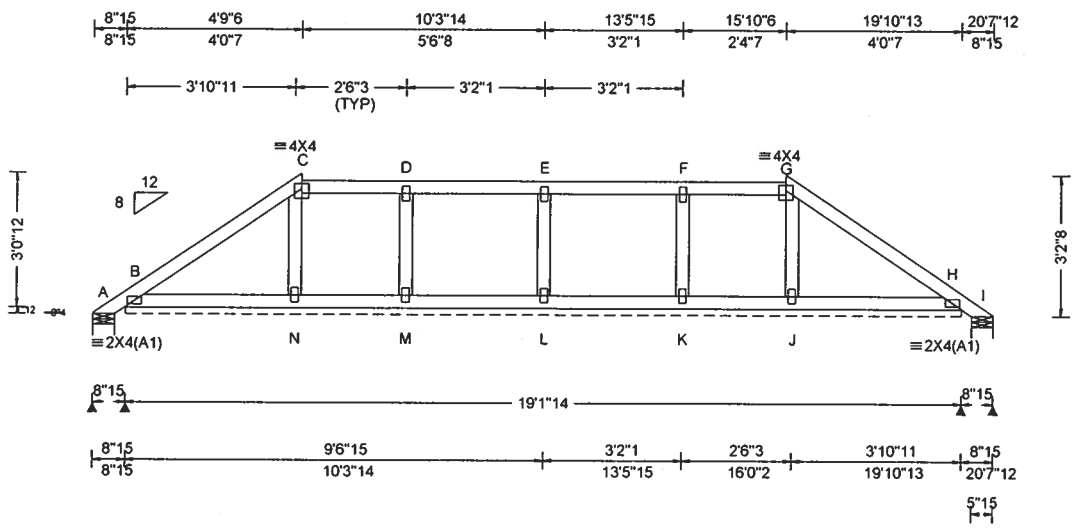
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57457 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H5A | | Cust: R 857 JRef: 1WSV8570002 T51<br>DrwNo: 049.20.1156.00870<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 22.53 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | 0.001 J | 999 | 360 |
| VERT(CL): | 0.002 J | 999 | 240 |
| HORZ(LL): | 0.001 J | - | - |
| HORZ(TL): | 0.001 N | - | - |

Creep Factor: 2.0
Max TC CSI: 0.127
Max BC CSI: 0.075
Max Web CSI: 0.176

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-80 | /- | /83 | /88 | /71 |
| B* | 72 | /- | /- | /41 | /22 | /- |
| I | - | /-80 | /- | /43 | /48 | /- |
| B | | /-106 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 229 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| A - B | 399 | -461 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 65 | -0.51 | 4.04 |
| TC | 24 | 4.04 | 15.12 |
| TC | 65 | 15.12 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

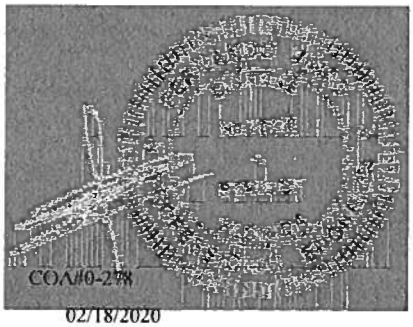
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.

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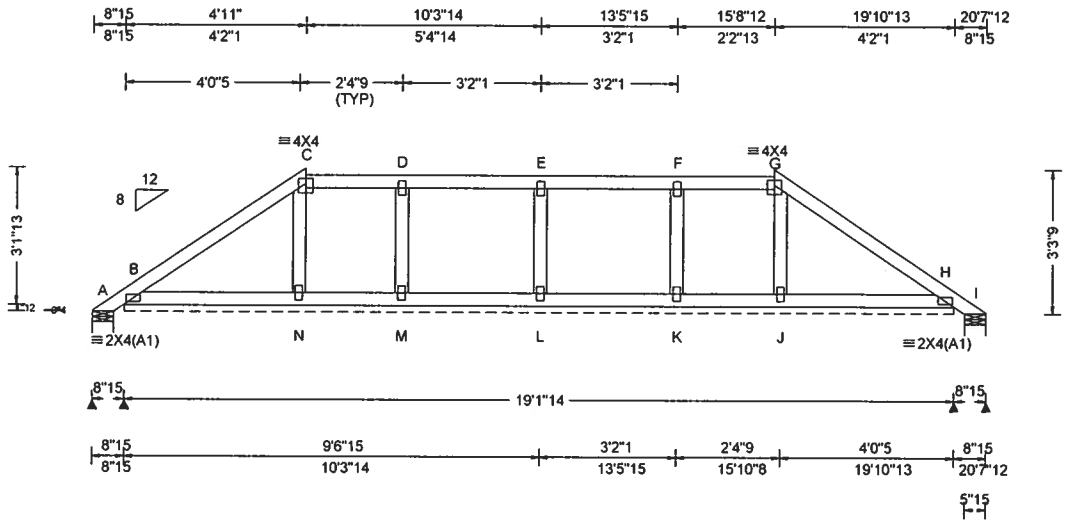
| | | | | |
|---|---|---|---|---|
| SEQN: 57458 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H5B | | Cust: R 857 JRef: 1WSV8570002 T41<br>DrwNo: 049.20.1156.01713<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 22.58 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | J | 999 | 360 |
| VERT(CL): 0.002 | J | 999 | 240 |
| HORZ(LL): 0.001 | J | - | - |
| HORZ(TL): 0.002 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.139
Max BC CSI: 0.080
Max Web CSI: 0.186

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-88 | /- | /89 | /95 | /73 |
| B* | 73 | /- | /- | /42 | /24 | /- |
| I | - | /-88 | /- | /58 | /53 | /- |
| B | | /-112 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 229 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| A - B | 413 | -481 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 67 | -0.51 | 4.17 |
| TC | 24 | 4.17 | 14.98 |
| TC | 67 | 14.98 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

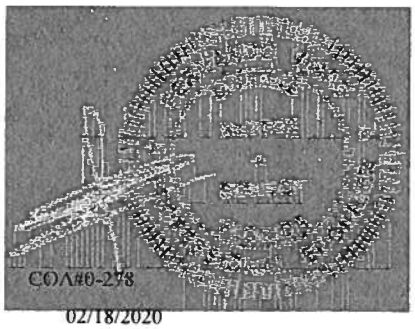
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.

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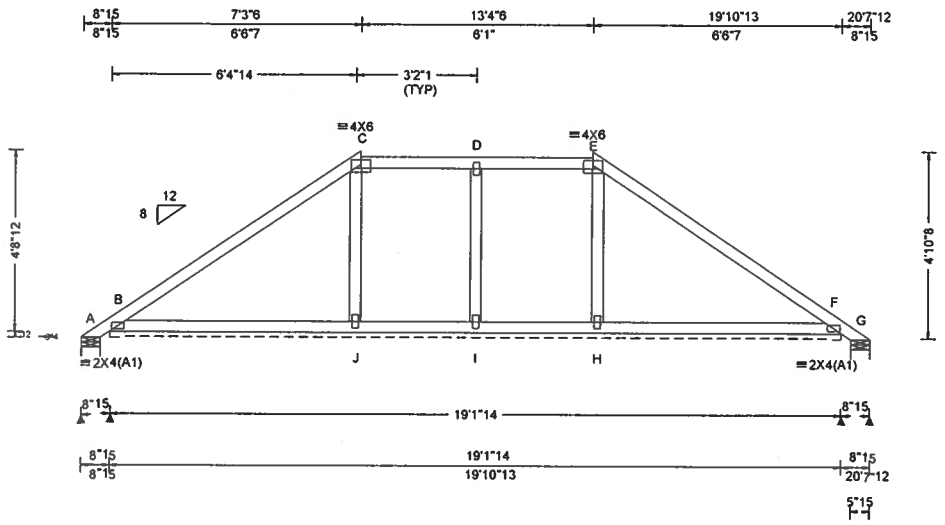
| | | | | |
|---|---|---|---|---|
| SEQN: 57459 HIPS<br>FROM: CVB | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H7A | Cust: R 857 JRef: 1WSV8570002 T60<br>DrwNo: 049.20.1156.02587<br>AK / FV 02/18/2020 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 23.36 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.003 | J | 999 | 360 |
| VERT(CL): 0.005 | J | 999 | 240 |
| HORZ(LL): 0.004 | H | - | - |
| HORZ(TL): 0.005 | H | - | - |

Creep Factor: 2.0
Max TC CSI: 0.500
Max BC CSI: 0.240
Max Web CSI: 0.518

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-289 | /- | /248 | /246 | /111 |
| B* | 94 | /- | /- | /51 | /53 | /- |
| G | - | /-289 | /- | /248 | /185 | /- |
| I | | /-127 | | | | |
| F | | /-224 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 229 Min Req = -
G Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & G 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 | 713 | -1014 | C - D | 389 | -101 |
| B - C | 558 | -329 | D - E | 389 | -101 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -0.51 | 6.54 |
| TC | 24 | 6.54 | 12.62 |
| TC | 75 | 12.62 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

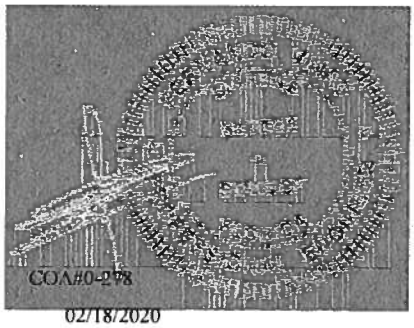
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Negative reaction(s) of -289# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.




02/18/2020

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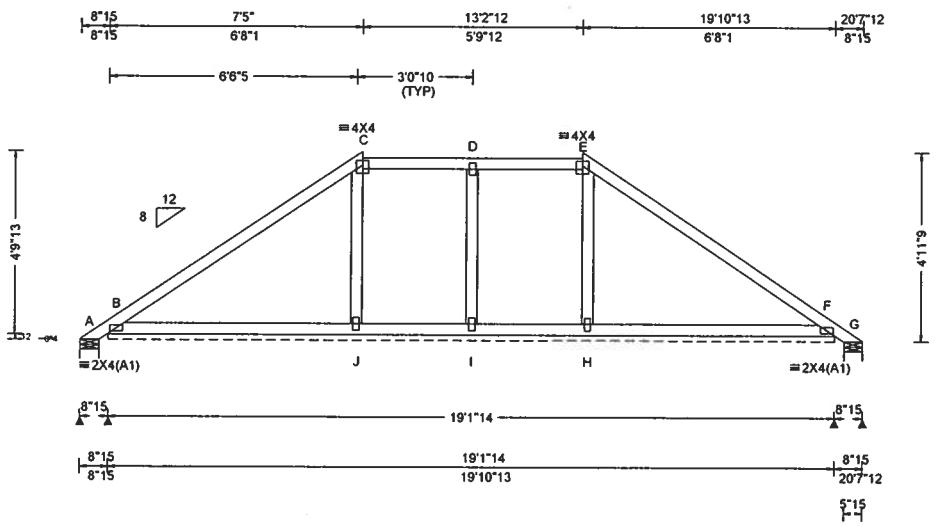
| | | | |
|---|---|---|---|
| SEQN: 57460 HIPS<br>FROM: CVB | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** H7B | Cust: R 857 JRef: 1WSV8570002 T40<br>DrwNo: 049.20.1156.03460<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 23.41 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | 0.004 J | 999 | 360 |
| VERT(CL): | 0.005 J | 999 | 240 |
| HORZ(LL): | 0.004 H | - | - |
| HORZ(TL): | 0.005 H | - | - |

Creep Factor: 2.0
Max TC CSI: 0.524
Max BC CSI: 0.255
Max Web CSI: 0.538

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-304 | /- | /261 | /257 | /113 |
| B* | 96 | /- | /- | /51 | /55 | /- |
| G | - | /-304 | /- | /261 | /194 | /- |
| I | | /-124 | | | | |
| F | | /-233 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 229 Min Req = -
G Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & G 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 | 728 | -1042 | C - D | 397 | -105 |
| B - C | 571 | -336 | D - E | 397 | -105 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -0.51 | 6.67 |
| TC | 24 | 6.67 | 12.48 |
| TC | 75 | 12.48 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

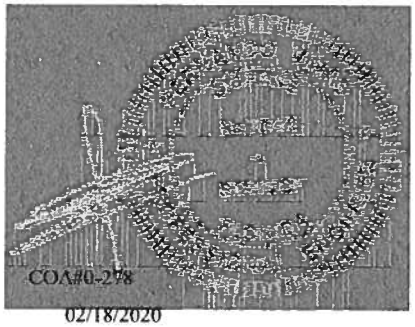
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Negative reaction(s) of -304# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.

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

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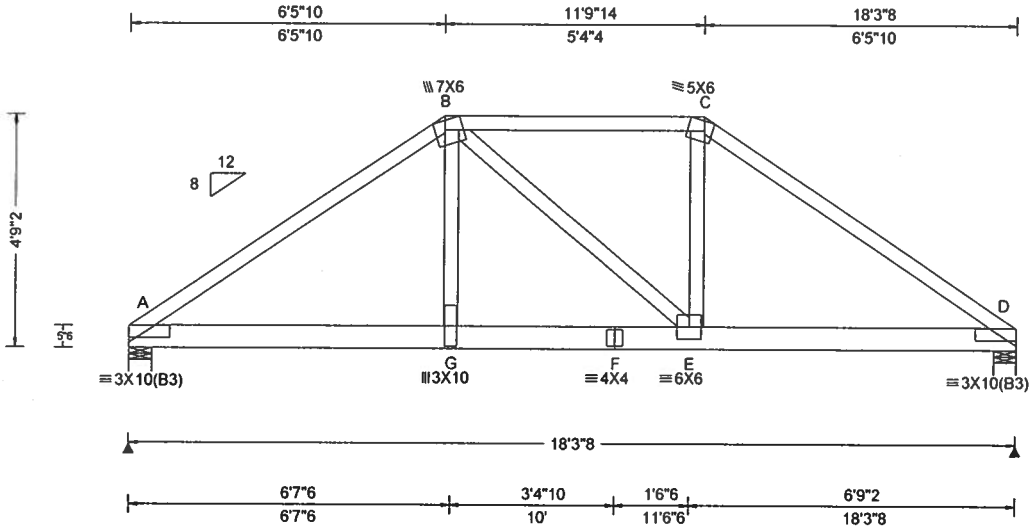
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57481 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** HG6A | | Cust: R 857 JRef: 1WSV8570002 T8<br>DrwNo: 049.20.1156.04307<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.066 | G | 999 | 360 |
| VERT(CL): 0.121 | G | 999 | 240 |
| HORZ(LL): 0.023 | E | - | - |
| HORZ(TL): 0.042 | E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.995
Max BC CSI: 0.864
Max Web CSI: 0.516

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**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | |
|---|---|---|---|---|---|
| Loc | R+ / R- | / Rh | / Rw | / U | / RL |
| A | 2614 /- | /- | /- | /36 | /- |
| D | 2556 /- | /- | /- | /46 | /- |

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 3.3
D Brg Width = 5.5 Min Req = 3.2
Bearings A & D Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 166 | -3501 | C - D | 168 | -3487 |
| B - C | 100 | -2919 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - G | 2840 | -112 | F - E | 2885 | -105 |
| G - F | 2885 | -105 | E - D | 2829 | -113 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - G | 1333 | 0 | E - C | 1354 | 0 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 57 plf at | 0.00 to | 57 plf at | 6.47 |
| TC: From | 28 plf at | 6.47 to | 28 plf at | 11.82 |
| TC: From | 57 plf at | 11.82 to | 57 plf at | 18.29 |
| BC: From | 10 plf at | 0.00 to | 10 plf at | 18.29 |

TC: 152 lb Conc. Load at 6.50,11.79
TC: 121 lb Conc. Load at 8.53, 9.76
BC: 313 lb Conc. Load at 0.96, 2.96, 4.96, 6.96 8.96,10.96,12.96,14.96,16.96
BC: 279 lb Conc. Load at 6.50,11.79
BC: 91 lb Conc. Load at 8.53, 9.76

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 34 | 0.00 | 6.47 |
| TC | 24 | 6.47 | 11.82 |
| TC | 34 | 11.82 | 18.29 |
| BC | 120 | 0.15 | 18.15 |

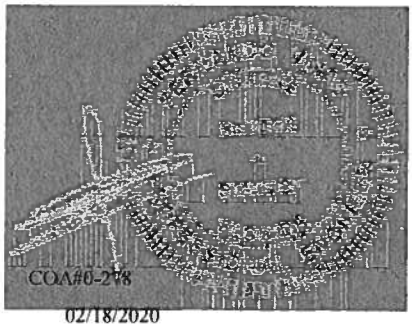
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Refer to General Notes for additional information

**Wind**

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

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

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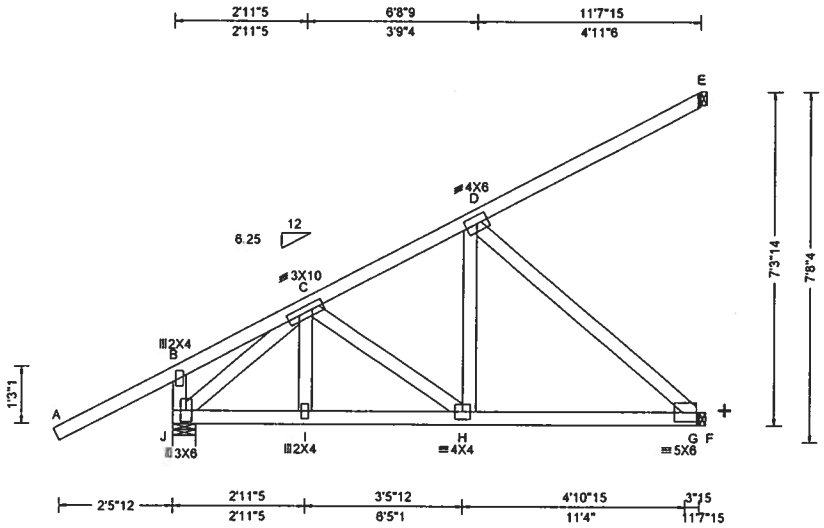
| | | | |
|---|---|---|---|
| SEQN: 57476 HIP_<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** HJ12 | Cust: R 857 JRef: 1WSV8570002 T30<br>DrwNo: 049.20.1156.05213<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.021 | H | 999 | 360 |
| VERT(CL): 0.037 | H | 999 | 240 |
| HORZ(LL): 0.007 | C | - | - |
| HORZ(TL): 0.013 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.982
Max BC CSI: 0.731
Max Web CSI: 0.823

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| J | 863 | /- | /- | /- | /357 | /- |
| F | 760 | /- | /- | /- | /158 | /- |
| E | 202 | /- | /- | /- | /83 | /- |

Wind reactions based on MWFRS
J Brg Width = 6.1 Min Req = 1.5
F Brg Width = 1.5 Min Req = -
E Brg Width = 1.5 Min Req = -
Bearing J Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| C - D | 255 | - 860 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| J - I | 619 | - 256 | H - G | 726 | - 203 |
| I - H | 621 | - 255 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| J - C | 333 | - 818 | D - G | 275 | - 980 |
| H - D | 406 | 0 | | | |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 56 plf at | -2.61 to | 56 plf at | 1.45 |
| TC: From | 28 plf at | 1.45 to | 28 plf at | 9.13 |
| TC: From | 56 plf at | 9.13 to | 56 plf at | 11.66 |
| BC: From | 5 plf at | -2.61 to | 5 plf at | 0.00 |
| BC: From | 10 plf at | 0.00 to | 10 plf at | 9.13 |
| BC: From | 20 plf at | 9.13 to | 20 plf at | 11.66 |

TC: 13 lb Conc. Load at 1.45
TC: -37 lb Conc. Load at 2.08
TC: 71 lb Conc. Load at 4.01
TC: 60 lb Conc. Load at 5.28
TC: 118 lb Conc. Load at 6.57
TC: 157 lb Conc. Load at 8.48
TC: 162 lb Conc. Load at 9.13
BC: 22 lb Conc. Load at 1.45
BC: 33 lb Conc. Load at 2.08
BC: 57 lb Conc. Load at 4.01
BC: 83 lb Conc. Load at 5.28
BC: 89 lb Conc. Load at 6.57
BC: 147 lb Conc. Load at 8.48
BC: 120 lb Conc. Load at 9.13

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Wind**

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

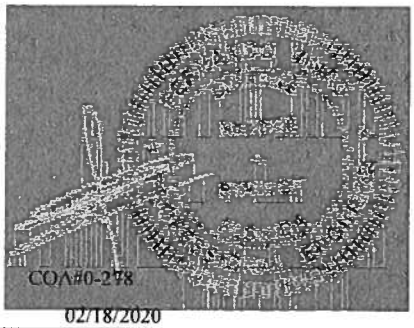
| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 67 | -2.55 | 11.66 |
| BC | 120 | 0.00 | 11.66 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Refer to General Notes for additional information

+ Hanger connection required

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

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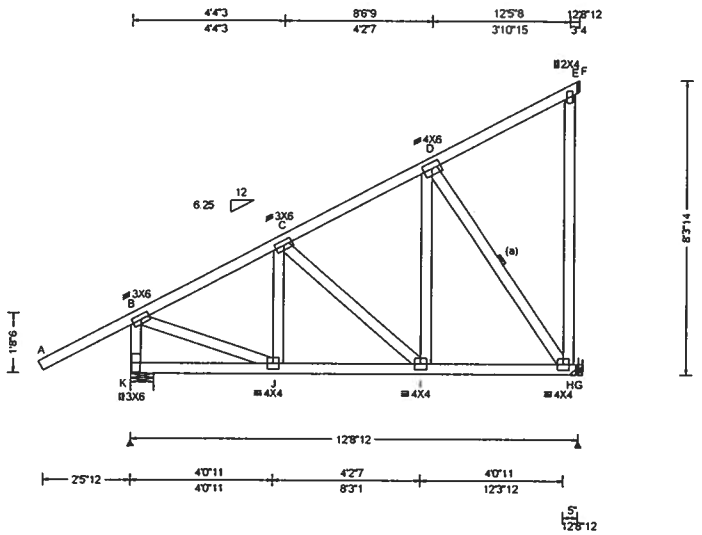
| | | | |
|---|---|---|---|
| SEQN: 57487 HIP_<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** HJ13 | Cust: R 857 JRef: 1WSV8570002 T44<br>DrwNo: 049.20.1156.07570<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.022 | I | 999 | 360 |
| VERT(CL): 0.040 | I | 999 | 240 |
| HORZ(LL): 0.007 | C | - | - |
| HORZ(TL): 0.013 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.982
Max BC CSI: 0.632
Max Web CSI: 0.682

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| K | 1038 | /- | /- | /- | /236 | /134 |
| G | 1142 | /- | /- | /- | /81 | /- |

Wind reactions based on MWFRS
K Brg Width = 7.9 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing K Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 193 | -967 | C - D | 172 | -840 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| J - I | 802 | -13 | I - H | 653 | 0 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - K | 252 | -989 | I - D | 659 | 0 |
| B - J | 846 | -145 | D - H | 105 | -1127 |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 56 plf at | -2.61 to | 56 plf at | 2.51 |
| TC: From | 28 plf at | 2.51 to | 28 plf at | 10.20 |
| TC: From | 56 plf at | 10.20 to | 56 plf at | 12.73 |
| BC: From | 5 plf at | -2.61 to | 5 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 2.51 |
| BC: From | 10 plf at | 2.51 to | 10 plf at | 10.20 |
| BC: From | 20 plf at | 10.20 to | 20 plf at | 12.73 |

TC: -5 lb Conc. Load at 2.51
TC: 54 lb Conc. Load at 3.15
TC: 67 lb Conc. Load at 5.07
TC: 138 lb Conc. Load at 6.35
TC: 122 lb Conc. Load at 7.64, 9.55
TC: 173 lb Conc. Load at 10.20
BC: 31 lb Conc. Load at 2.51
BC: 57 lb Conc. Load at 3.15
BC: 63 lb Conc. Load at 5.07
BC: 107 lb Conc. Load at 6.35
BC: 95 lb Conc. Load at 7.64
BC: 189 lb Conc. Load at 9.55
BC: 138 lb Conc. Load at 10.20

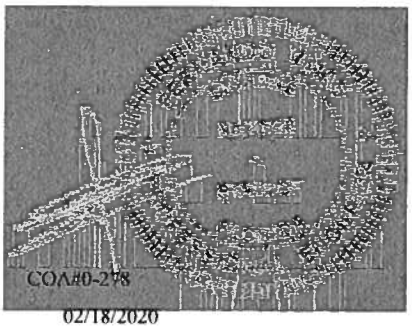
**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 68 | -2.55 | 12.73 |
| BC | 75 | 0.00 | 12.73 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**
Refer to General Notes for additional information

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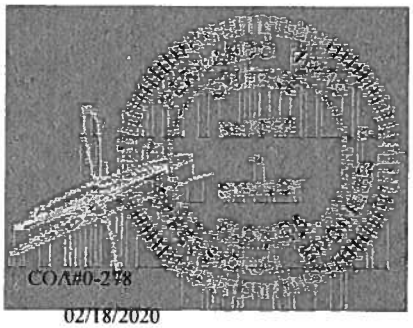
| | | | |
|---|---|---|---|
| SEQN: 57487 HIP_<br>FROM:<br>Page 2 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** HJ13 | Cust: R 857 JRef: 1WSV8570002 T44<br>DrwNo: 049.20.1156.07570<br>AK / FV 02/18/2020 |

**Wind**

Wind loads and reactions based on MWFRS.

Right end vertical exposed to wind pressure.
Deflection meets L/180.

Wind loading based on both gable and hip roof types.

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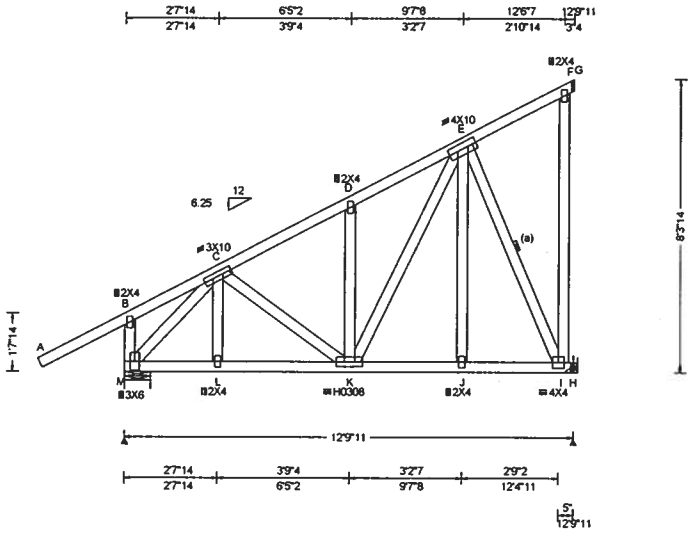
| | | | |
|---|---|---|---|
| SEQN: 57478 HIP_<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** 850621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** HJ15 | Cust: R 857 JRef: 1WSV8570002 T48<br>DrwNo: 049.20.1156.08663<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| | | | | |
|---|---|---|---|---|
| PP Deflection in | loc | L/defl | L/# | |
| VERT(LL): 0.022 | D | 999 | 360 | |
| VERT(CL): 0.040 | D | 999 | 240 | |
| HORZ(LL): 0.009 | D | - | - | |
| HORZ(TL): 0.017 | D | - | - | |

Creep Factor: 2.0
Max TC CSI: 0.954
Max BC CSI: 0.380
Max Web CSI: 0.710

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | |
|---|---|---|---|---|---|
| Loc | R+ / R- | / Rh | / Rw | / U | / RL |
| M | 1027 / - | / - | / - | /232 | /134 |
| H | 1149 / - | / - | / - | /82 | / - |

Wind reactions based on MWFRS
M Brg Width = 8.8 Min Req = 1.5
H Brg Width = - Min Req = -
Bearing M Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 208 | -939 | D - E | 168 | -996 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| M - L | 708 | -8 | K - J | 518 | 0 |
| L - K | 711 | -7 | J - I | 523 | 0 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| M - C | 208 | -1028 | E - J | 460 | -1 |
| K - E | 603 | -30 | E - I | 119 | -1182 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 56 plf at | -2.46 to | 56 plf at | 2.59 |
| TC: From | 28 plf at | 2.59 to | 28 plf at | 10.28 |
| TC: From | 56 plf at | 10.28 to | 56 plf at | 12.81 |
| BC: From | 5 plf at | -2.46 to | 5 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 2.59 |
| BC: From | 10 plf at | 2.59 to | 10 plf at | 10.28 |
| BC: From | 20 plf at | 10.28 to | 20 plf at | 12.81 |

TC: -5 lb Conc. Load at 2.59
TC: 54 lb Conc. Load at 3.22
TC: 67 lb Conc. Load at 5.15
TC: 138 lb Conc. Load at 6.43
TC: 122 lb Conc. Load at 7.71, 9.63
TC: 173 lb Conc. Load at 10.28
BC: 31 lb Conc. Load at 2.59
BC: 57 lb Conc. Load at 3.22
BC: 63 lb Conc. Load at 5.15
BC: 107 lb Conc. Load at 6.43
BC: 95 lb Conc. Load at 7.71
BC: 189 lb Conc. Load at 9.63
BC: 138 lb Conc. Load at 10.28

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

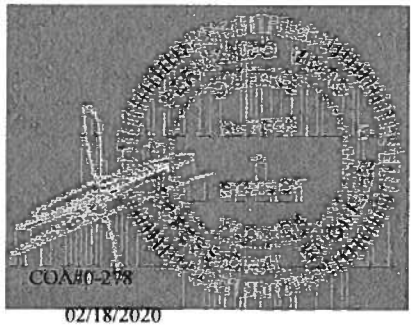
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 71 | -2.39 | 12.81 |
| BC | 120 | 0.00 | 12.81 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Additional Notes**

Refer to General Notes for additional information

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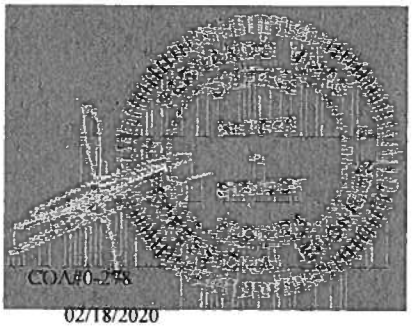
**Wind**

Wind loads and reactions based on MWFRS.

Right end vertical exposed to wind pressure.
Deflection meets L/180.

Wind loading based on both gable and hip roof types.







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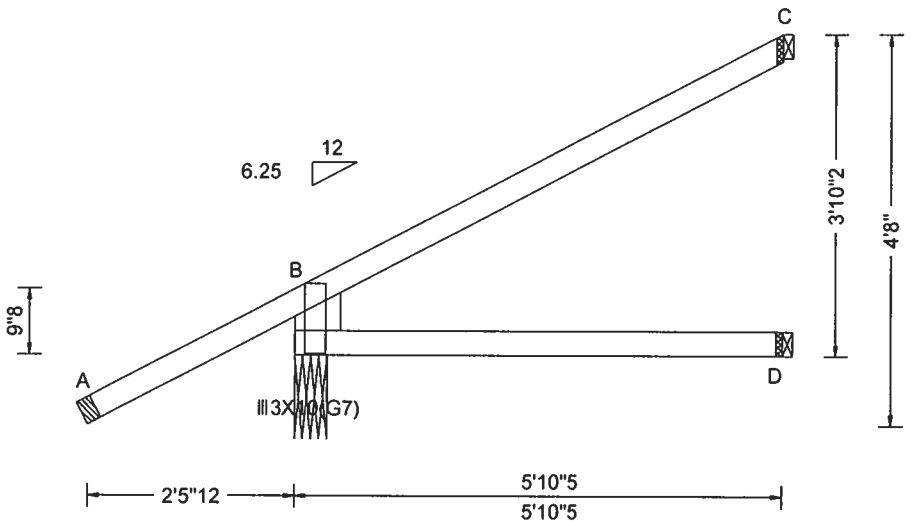
| SEQN: 57479 HIP_ FROM: | Ply: 1 Qty: 1 | **Job Number:** B50621a -Pinchouk Res Trademark Const Group **Truss Label:** HJ6 | Cust: R 857 JRef: 1WSV8570002 T59 DrwNo: 049.20.1156.09543 AK / FV 02/18/2020 |
|---|---|---|---|




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): NA | | | |
| VERT(CL): NA | | | |
| HORZ(LL): 0.011 | D | - | - |
| HORZ(TL): 0.018 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.419
Max BC CSI: 0.298
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 420 | /- | /- | /- | /144 | /- |
| D | 108 | /- | /- | /13 | /- | /- |
| C | 129 | /- | /- | /- | /78 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.7 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

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

| | | | | |
|---|---|---|---|---|
| TC: From | 56 plf at | -2.61 to | 56 plf at | 1.92 |
| TC: From | 28 plf at | 1.92 to | 28 plf at | 5.86 |
| BC: From | 5 plf at | -2.61 to | 5 plf at | 0.00 |
| BC: From | 10 plf at | 0.00 to | 10 plf at | 5.86 |

TC: -8 lb Conc. Load at 1.92
TC: 50 lb Conc. Load at 2.98
TC: 57 lb Conc. Load at 4.48
BC: 17 lb Conc. Load at 1.92
BC: 44 lb Conc. Load at 2.98
BC: 50 lb Conc. Load at 4.48

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

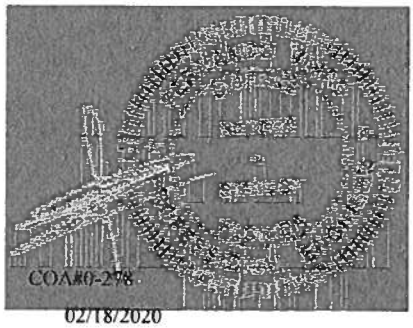
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -2.55 | 5.86 |
| BC | 70 | 0.00 | 5.86 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

**Additional Notes**
Refer to General Notes for additional information

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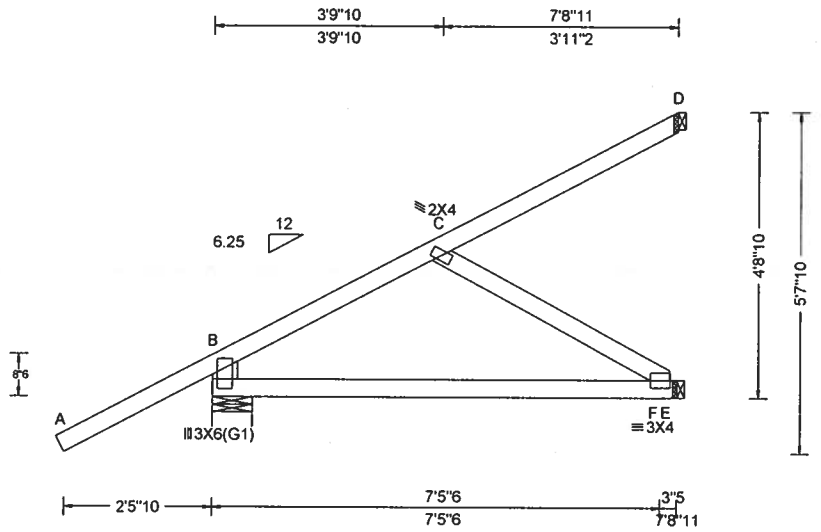
| | | | |
|---|---|---|---|
| SEQN: 57480 HIP_<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** HJ8 | Cust: R 857 JRef: 1WSV8570002 T4<br>DrwNo: 049.20.1156.11047<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.006 F 999 360<br>VERT(CL): 0.014 F 999 240<br>HORZ(LL): 0.004 C - -<br>HORZ(TL): 0.010 F - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.168<br>Max BC CSI: 0.461<br>Max Web CSI: 0.080<br><br>VIEW Ver: 18.02.01A.0205.20 |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 275 | /- | /- | /- | /93 | /- |
| E | 188 | /- | /- | /- | /31 | /- |
| D | 31 | /- | /- | /- | /17 | /- |

Wind reactions based on MWFRS
B Brg Width = 7.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 0 plf at | -2.60 to | 56 plf at | -0.13 |
| TC: From | 2 plf at | -0.13 to | 2 plf at | 7.73 |
| BC: From | 0 plf at | -2.60 to | 5 plf at | -0.13 |
| BC: From | 2 plf at | -0.13 to | 2 plf at | 7.73 |

TC: -8 lb Conc. Load at 1.34
TC: 17 lb Conc. Load at 2.63
TC: 86 lb Conc. Load at 4.55
TC: 73 lb Conc. Load at 5.19
BC: 20 lb Conc. Load at 1.34
BC: 24 lb Conc. Load at 2.63
BC: 70 lb Conc. Load at 4.55
BC: 58 lb Conc. Load at 5.19

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -2.54 | 7.73 |
| BC | 93 | 0.00 | 7.73 |

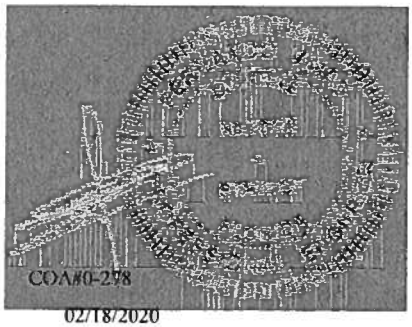
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information




02/18/2020

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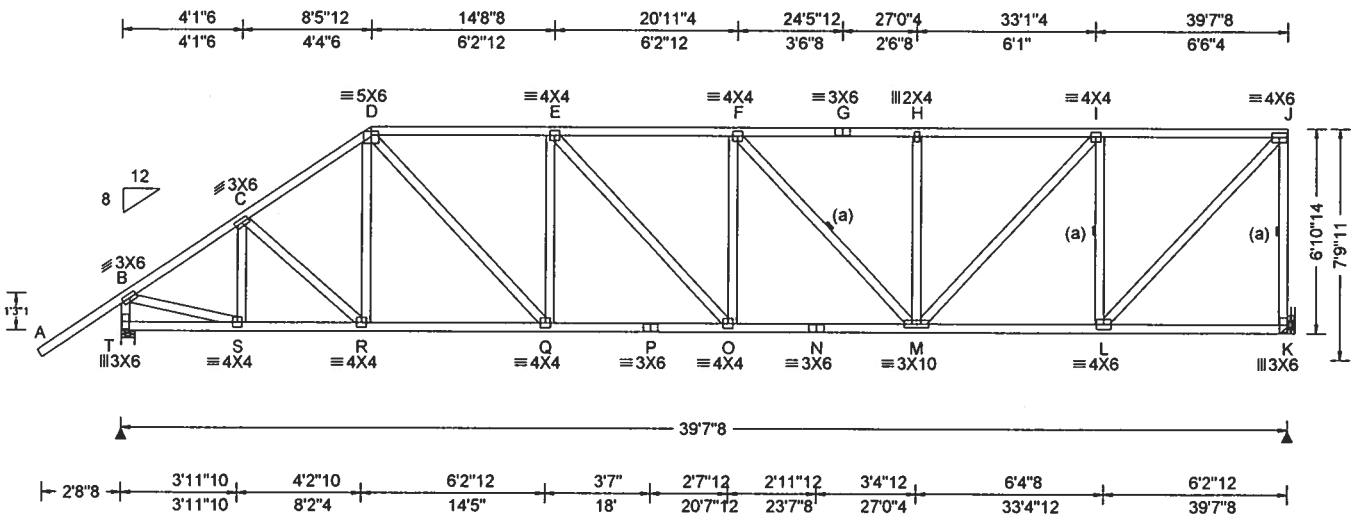
|---|---|---|---|---|
| SEQN: 57461 HIPM<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** MH1 | | Cust: R 857 JRef: 1WSV8570002 T23<br>DrwNo: 049.20.1156.12940<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.96 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| | | | | |
|---|---|---|---|---|
| PP Deflection in | loc | L/defl | L/# | |
| VERT(LL): | 0.134 | F | 999 | 360 |
| VERT(CL): | 0.254 | F | 999 | 240 |
| HORZ(LL): | 0.042 | D | - | - |
| HORZ(TL): | 0.079 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.962
Max BC CSI: 0.480
Max Web CSI: 0.923

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| Loc | Gravity R+ | / R- | / Rh | Non-Gravity / Rw | / U | / RL |
|---|---|---|---|---|---|---|
| T | 1700 | /- | /- | /1299 | /- | /250 |
| K | 1516 | /- | /- | /1204 | /- | /- |

Wind reactions based on MWFRS
T Brg Width = 5.5 Min Req = 2.1
K Brg Width = - Min Req = -
Bearing T Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 319 | -1855 | F - G | 537 | -1998 |
| C - D | 392 | -1907 | G - H | 537 | -1998 |
| D - E | 521 | -2118 | H - I | 537 | -1998 |
| E - F | 586 | -2287 | I - J | 374 | -1240 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| S - R | 1473 | -516 | O - N | 2288 | -678 |
| R - Q | 1534 | -514 | N - M | 2288 | -678 |
| Q - P | 2140 | -645 | M - L | 1292 | -405 |
| P - O | 2140 | -645 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - T | 389 | -1661 | M - I | 1043 | -297 |
| B - S | 1514 | -188 | I - L | 470 | -1177 |
| D - Q | 872 | -251 | L - J | 1809 | -471 |
| Q - E | 304 | -523 | J - K | 412 | -1466 |
| F - M | 137 | -429 | | | |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 50 | -2.79 | 8.48 |
| TC | 24 | 8.48 | 39.62 |
| BC | 75 | 0.00 | 39.62 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

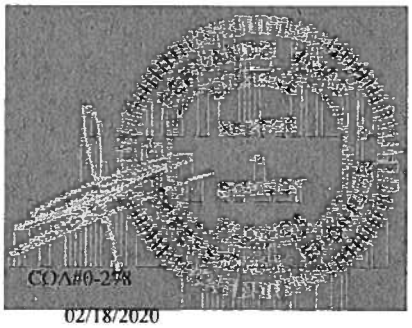
Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information




****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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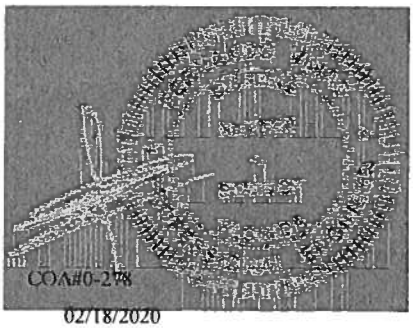
| | | | |
|---|---|---|---|
| SEQN: 57461 HIPM<br>FROM:<br>Page 2 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** MH1 | Cust: R 857 JRef: 1WSV8570002 T23<br>DrwNo: 049.20.1156.12940<br>AK / FV 02/18/2020 |

**Hangers / Ties**

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=39'4"8 uses the following support conditions: 39'4"8
Bearing K (39'4"8, 10'1"2) HGUS28
Supporting Member: (2)2x8 SP SS Dense
(36) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.

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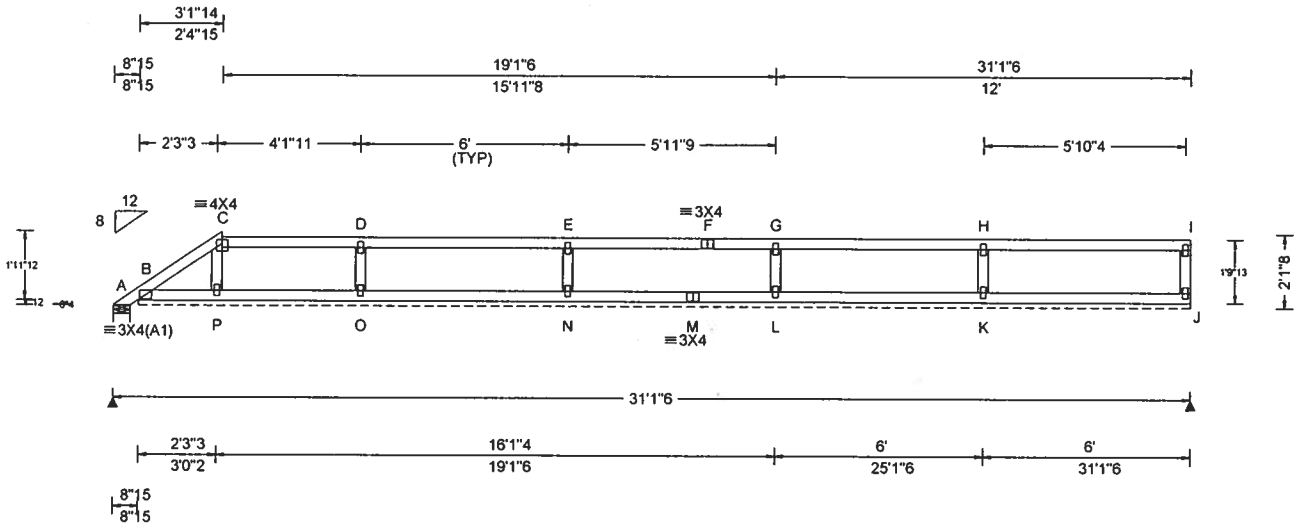
| | | | | |
|---|---|---|---|---|
| SEQN: 57462 HIPM<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** MH2 | Cust: R 857 JRef: 1WSV8570002 T18<br>DrwNo: 049.20.1156.13763<br>AK / FV 02/18/2020 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 18.07 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.11 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | H | 999 | 360 |
| VERT(CL): 0.001 | H | 999 | 240 |
| HORZ(LL): 0.000 | J | - | - |
| HORZ(TL): 0.001 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.304
Max BC CSI: 0.162
Max Web CSI: 0.110

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-9 | /- | /42 | /16 | /55 |
| B* | 62 | /- | /- | /37 | /20 | /- |
| O | | /-110 | | | | |
| N | | /-130 | | | | |
| L | | /-127 | | | | |
| K | | /-131 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 364 Min Req = -
Bearings A & B are a rigid surface.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| H - K | 370 | -380 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 42 | -0.51 | 2.41 |
| TC | 24 | 2.41 | 30.37 |
| BC | 120 | 0.15 | 30.37 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

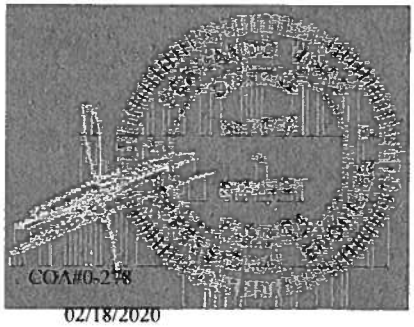
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.

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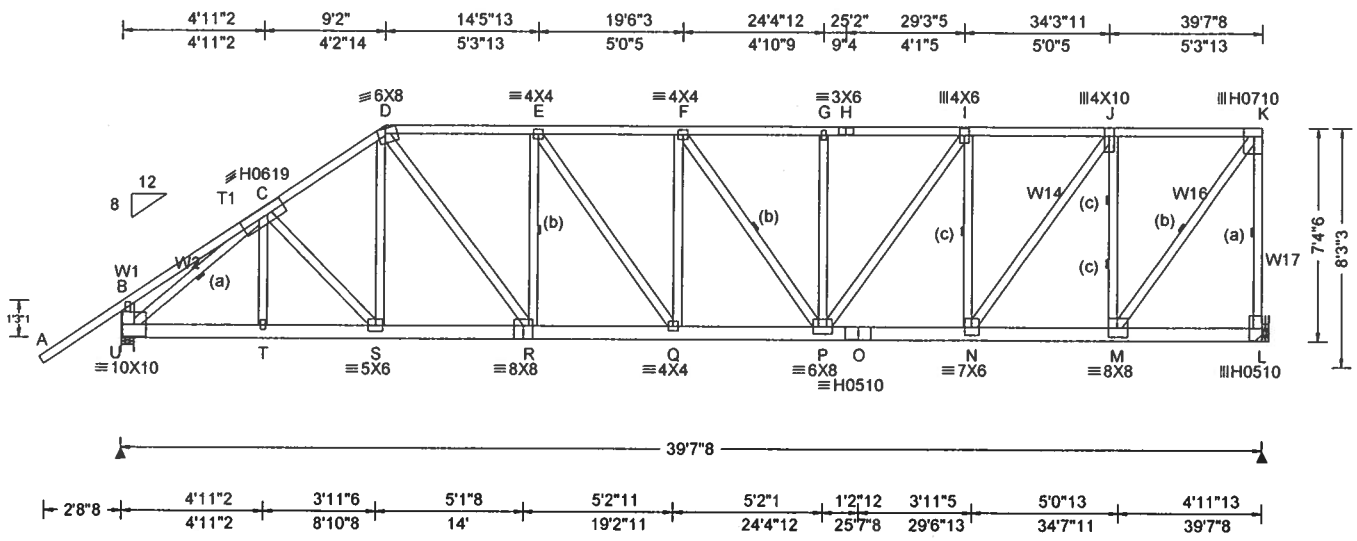
| | | | | |
|---|---|---|---|---|
| SEQN: 57482 HIPM<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | Job Number: B50621a<br>-Pinchouk Res Trademark Const Group<br>Truss Label: MHG1 | | Cust: R 857 JRef: 1WSV8570002 T33<br>DrwNo: 049.20.1156.15247<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.96 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| | | | | |
|---|---|---|---|---|
| PP Deflection in | loc | L/defl | L/# | |
| VERT(LL): | 0.341 | F | 999 | 360 |
| VERT(CL): | 0.634 | F | 750 | 240 |
| HORZ(LL): | 0.109 | D | - | - |
| HORZ(TL): | 0.202 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.985
Max BC CSI: 0.969
Max Web CSI: 0.958

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| U | 4375 | /- | /- | /- | /930 | /116 |
| L | 4793 | /- | /- | /- | /1015 | /- |

Wind reactions based on MWFRS
U Brg Width = 5.5 Min Req = 5.5
L Brg Width = - Min Req = -
Bearing U Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 89 | -409 | G - H | 1268 | -6412 |
| C - D | 1312 | -6159 | H - I | 1268 | -6412 |
| D - E | 1312 | -6370 | I - J | 1028 | -5104 |
| E - F | 1354 | -6809 | J - K | 661 | -3006 |
| F - G | 1268 | -6412 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| U - T | 4666 | -857 | Q - P | 6812 | -1243 |
| T - S | 4664 | -855 | P - O | 5202 | -936 |
| S - R | 5049 | -963 | O - N | 5202 | -936 |
| R - Q | 6421 | -1211 | N - M | 3158 | -584 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - U | 154 | -537 | G - P | 265 | -650 |
| U - C | 1216 | -5776 | P - I | 2112 | -378 |
| C - S | 593 | -154 | I - N | 561 | -2369 |
| S - D | 765 | -1 | N - J | 3468 | -587 |
| D - R | 2257 | -397 | J - M | 915 | -3645 |
| R - E | 390 | -1266 | M - K | 5148 | -1032 |
| E - Q | 691 | -47 | K - L | 1044 | -4530 |
| F - P | 158 | -699 | | | |

**Lumber**

Top chord: 2x4 SP M-30; T1 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1; W2,W14,W16, W17 2x4 SP #1;

**Bracing**

(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(c) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(a) Continuous lateral restraint equally spaced on member. Or 2x8 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

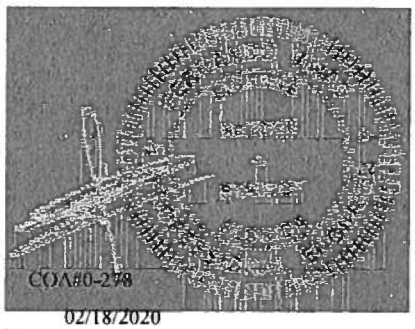
| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 22 | -2.79 | 9.17 |
| TC | 24 | 9.17 | 39.62 |
| BC | 82 | 0.00 | 39.62 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Special Loads**

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

TC: From 57 plf at -2.87 to 57 plf at 9.17
TC: From 28 plf at 9.17 to 28 plf at 39.62
BC: From 5 plf at -2.87 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 9.23
BC: From 10 plf at 9.23 to 10 plf at 39.62
TC: 407 lb Conc. Load at 9.23
TC: 205 lb Conc. Load at 11.29,13.29,33.29,35.29 37.29,39.29
TC: 210 lb Conc. Load at 15.29,17.29,19.29,21.29 23.29,25.29,27.29,29.29,31.29
BC: 935 lb Conc. Load at 9.23
BC: 174 lb Conc. Load at 11.29,13.29,33.29,35.29 37.29,39.29
BC: 179 lb Conc. Load at 15.29,17.29,19.29,21.29 23.29,25.29,27.29,29.29,31.29

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**Hangers / Ties**

(J) Hanger Support Required, by others

**Wind**

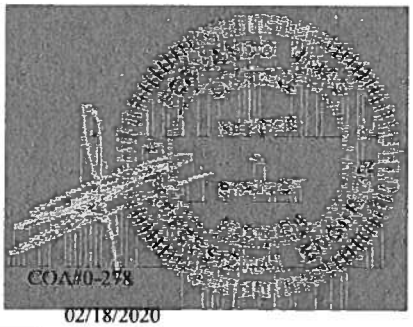
Wind loads and reactions based on MWFRS.

Right end vertical exposed to wind pressure.
Deflection meets L/180.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information







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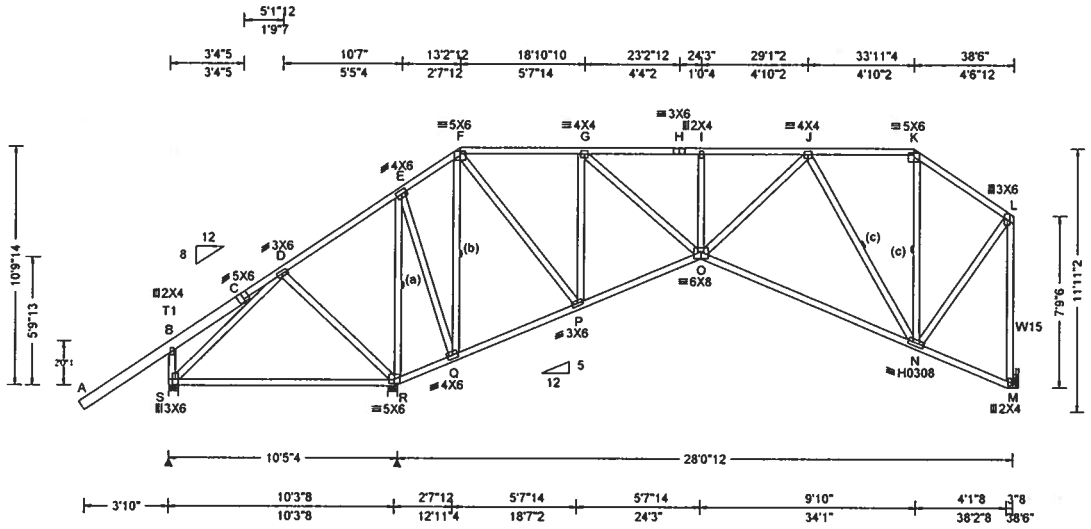
| SEQN: 57463 SPEC | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T12 |
|---|---|---|---|
| FROM: | Qty: 1 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1156.16857 |
| Page 1 of 2 | | Truss Label: S1 | AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.14 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.85 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| | | loc | L/defl | L/# |
|---|---|---|---|---|
| PP Deflection in | | | | |
| VERT(LL): | 0.070 | I | 999 | 360 |
| VERT(CL): | 0.134 | I | 999 | 240 |
| HORZ(LL): | 0.064 | M | - | - |
| HORZ(TL): | 0.121 | M | - | - |

Creep Factor: 2.0
Max TC CSI: 0.455
Max BC CSI: 0.677
Max Web CSI: 0.960

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| Loc | Gravity R+ | Gravity /R- | Gravity /Rh | Non-Gravity /Rw | Non-Gravity /U | Non-Gravity /RL |
|---|---|---|---|---|---|---|
| S | 239 | /- | /- | /121 | /124 | /358 |
| R | 2066 | /- | /- | /1780 | /- | /- |
| M | 944 | /- | /- | /798 | /- | /- |

Wind reactions based on MWFRS
S Brg Width = 5.3 Min Req = 1.5
R Brg Width = 5.3 Min Req = 2.6
M Brg Width = - Min Req = -
Bearings S & R Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| D - E | 699 | -292 | I - J | 405 | -1211 |
| F - G | 268 | -490 | J - K | 226 | -424 |
| G - H | 405 | -1211 | K - L | 208 | -568 |
| H - I | 405 | -1211 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| S - R | 194 | -407 | P - O | 592 | -313 |
| R - Q | 216 | -546 | O - N | 907 | -414 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - S | 370 | -470 | P - G | 428 | -947 |
| S - D | 604 | -460 | G - O | 917 | -293 |
| R - E | 501 | -1470 | O - J | 571 | -198 |
| E - Q | 1020 | -324 | J - N | 369 | -770 |
| Q - F | 392 | -1094 | N - L | 686 | -168 |
| F - P | 1004 | -311 | L - M | 168 | -929 |

**Lumber**

Top chord: 2x4 SP #1; T1 2x6 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W15 2x4 SP #1;

**Bracing**

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -3.96 | 13.23 |
| TC | 24 | 13.23 | 33.94 |
| TC | 66 | 33.94 | 38.50 |
| BC | 75 | 0.00 | 10.29 |
| BC | 75 | 10.29 | 24.25 |
| BC | 75 | 24.25 | 38.50 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

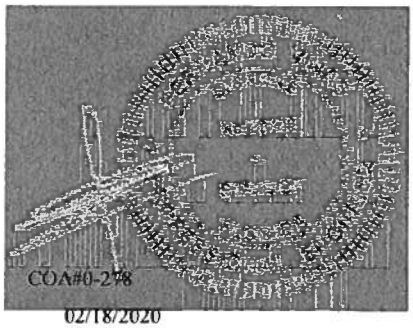
End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Shim all supports to solid bearing.

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

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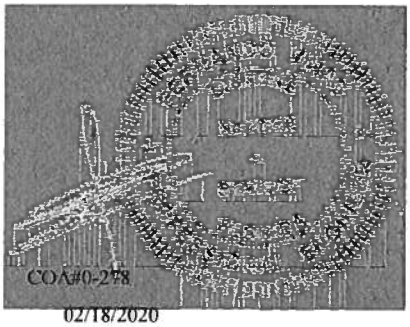
Suite 305
Orlando FL, 32821

**Hangers / Ties**

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=38'3" uses the following support conditions: 38'3"
Bearing M (38'3", 10'1"2) HUS26
Supporting Member: (2)2x8 SP SS Dense
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

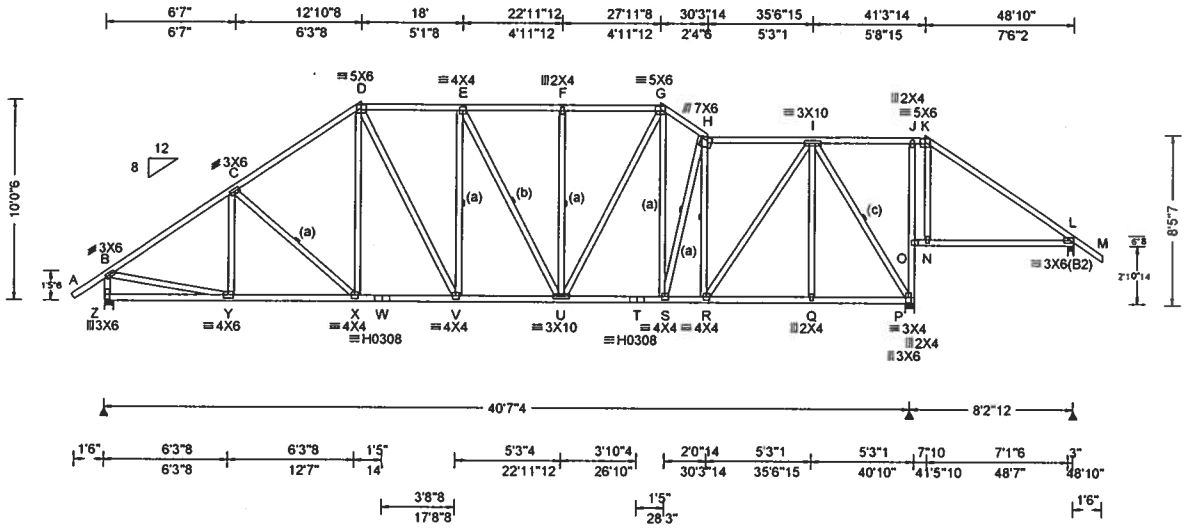



02/18/2020




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

| SEQN: 57464 SPEC | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T37 |
|---|---|---|---|
| FROM: | Qty: 1 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1156.18360 |
| | | Truss Label: S2 | AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.88 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.093 | F | 999 | 360 |
| VERT(CL): 0.177 | F | 999 | 240 |
| HORZ(LL): 0.036 | N | - | - |
| HORZ(TL): 0.077 | N | - | - |

Creep Factor: 2.0
Max TC CSI: 0.967
Max BC CSI: 0.456
Max Web CSI: 0.758

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| Z | 1650 | /- | /- | /914 | /230 | /241 |
| P | 1913 | /- | /- | /916 | /196 | /- |
| L | 395 | /- | /- | /305 | /105 | /- |

Wind reactions based on MWFRS
Z Brg Width = 5.5 Min Req = 2.1
P Brg Width = 5.5 Min Req = 2.4
L Brg Width = 3.5 Min Req = 1.5
Bearings Z, P, & L Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 598 | - 1994 | G - H | 896 | - 1711 |
| C - D | 692 | - 1818 | H - I | 826 | - 1460 |
| D - E | 738 | - 1618 | I - J | 517 | - 185 |
| E - F | 778 | - 1617 | J - K | 498 | - 184 |
| F - G | 779 | - 1619 | K - L | 408 | - 149 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| Y - X | 1587 | - 518 | T - S | 1388 | - 444 |
| X - W | 1423 | - 462 | S - R | 1458 | - 455 |
| W - V | 1423 | - 462 | R - Q | 840 | - 271 |
| V - U | 1625 | - 521 | Q - P | 840 | - 271 |
| U - T | 1388 | - 444 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - Z | 514 | - 1595 | H - R | 312 | - 878 |
| B - Y | 1568 | - 374 | R - I | 1138 | - 336 |
| D - V | 431 | - 286 | I - P | 527 | - 1617 |
| U - G | 501 | - 176 | P - O | 158 | - 531 |
| G - S | 309 | - 377 | J - O | 111 | - 503 |
| S - H | 422 | - 243 | | | |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(c) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

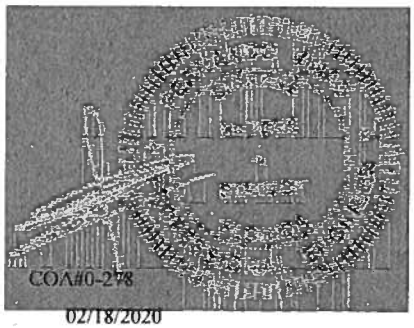
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 50 | -1.58 | 12.88 |
| TC | 24 | 12.88 | 27.96 |
| TC | 34 | 27.96 | 30.32 |
| TC | 24 | 30.32 | 41.32 |
| TC | 75 | 41.32 | 50.33 |
| BC | 120 | 0.00 | 40.54 |
| BC | 75 | 40.59 | 48.68 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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


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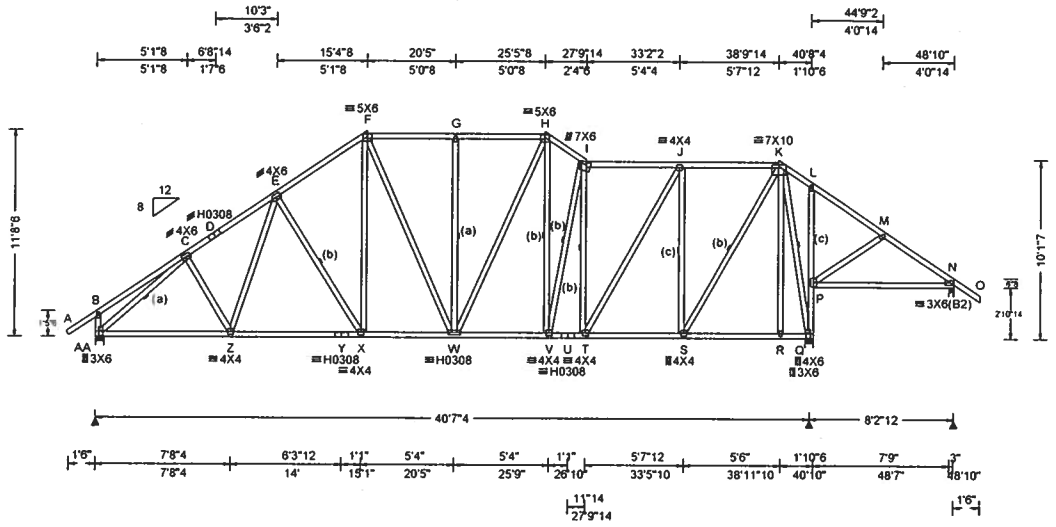
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| SEQN: 57465 SPEC | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T45 |
|---|---|---|---|
| FROM: | Qty: 1 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1156.22810 |
| Page 1 of 2 | | Truss Label: S3 | AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.11 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.88 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.094 | G | 999 | 360 |
| VERT(CL): 0.179 | G | 999 | 240 |
| HORZ(LL): 0.038 | E | - | - |
| HORZ(TL): 0.071 | E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.949
Max BC CSI: 0.590
Max Web CSI: 0.943

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| AA | 1652 | /- | /- | /929 | /231 | /281 |
| Q | 1899 | /- | /- | /923 | /177 | /- |
| N | 398 | /- | /- | /312 | /119 | /- |

Wind reactions based on MWFRS
AA Brg Width = 5.5 Min Req = 2.1
Q Brg Width = 5.5 Min Req = 2.4
N Brg Width = 3.5 Min Req = 1.5
Bearings AA, Q, & N Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 714 | - 1933 | I - J | 933 | - 1390 |
| D - E | 730 | - 1880 | J - K | 901 | - 948 |
| E - F | 789 | - 1670 | K - L | 940 | - 436 |
| F - G | 812 | - 1410 | L - M | 762 | - 390 |
| G - H | 812 | - 1410 | M - N | 696 | - 310 |
| H - I | 1002 | - 1603 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| AA- Z | 1525 | - 648 | V - U | 1388 | - 513 |
| Z - Y | 1500 | - 595 | U - T | 1388 | - 513 |
| Y - X | 1500 | - 595 | T - S | 980 | - 380 |
| X - W | 1318 | - 537 | P - N | 235 | - 375 |
| W - V | 1300 | - 506 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| AA- C | 580 | - 1988 | T - J | 843 | - 275 |
| X - F | 429 | - 60 | J - S | 504 | - 1144 |
| H - V | 430 | - 528 | S - K | 1454 | - 510 |
| V - I | 568 | - 368 | K - Q | 593 | - 1508 |
| I - T | 278 | - 669 | Q - P | 269 | - 415 |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**
(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(c) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

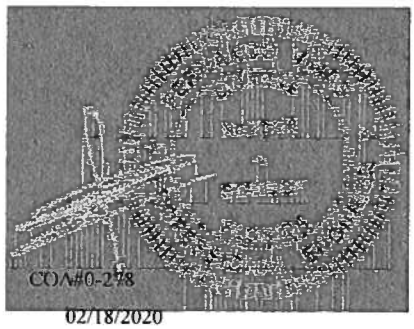
**Plating Notes**
All plates are 2X4 except as noted.
Plates sized for a minimum of 3.50 sq.in./piece.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 52 | -1.58 | 15.38 |
| TC | 24 | 15.38 | 25.46 |
| TC | 34 | 25.46 | 27.82 |
| TC | 24 | 27.82 | 38.82 |
| TC | 75 | 38.82 | 50.33 |
| BC | 120 | 0.00 | 40.54 |
| BC | 75 | 40.62 | 48.68 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57465 SPEC<br>FROM:<br>Page 2 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S3 | Cust: R 857 JRef: 1WSV8570002 T45<br>DrwNo: 049.20.1156.22810<br>AK / FV 02/18/2020 |

**Additional Notes**

Refer to General Notes for additional information

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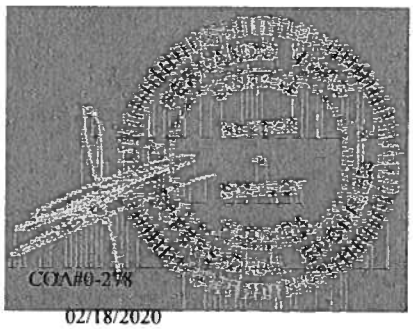


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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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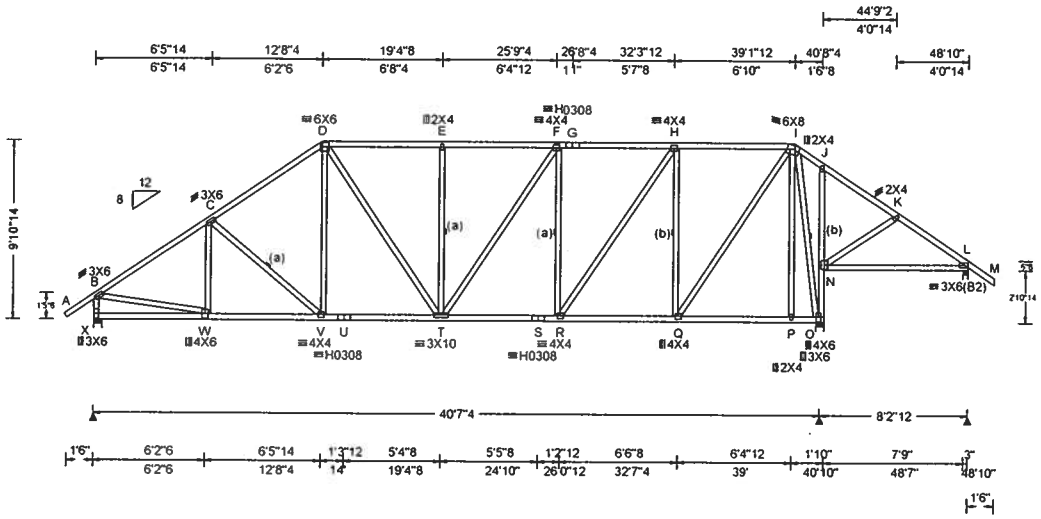
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| SEQN: 57466 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S4 | Cust: R 857 JRef: 1WSV8570002 T34<br>DrwNo: 049.20.1156.24273<br>AK / FV 02/18/2020 |
|---|---|---|---|




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | | | | |
|---|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# | |
| TCDL: | 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.100 | E | 999 | 360 | |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.190 | E | 999 | 240 | |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.030 | D | - | - | |
| Des Ld: | 37.00 | EXP: B Kzt: NA | **Code / Misc Criteria** | HORZ(TL): 0.056 | D | - | - | |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | Bldg Code: FBC 2017 RES | Creep Factor: 2.0 | | | | |
| Soffit: | 2.00 | TCDL: 3.5 psf | TPI Std: 2014 | Max TC CSI: 0.964 | | | | |
| Load Duration: 1.25 | | BCDL: 5.0 psf | Rep Fac: Yes | Max BC CSI: 0.445 | | | | |
| Spacing: 24.0 " | | MWFRS Parallel Dist: h to 2h | FT/RT:20(0)/0(0) | Max Web CSI: 0.743 | | | | |
| | | C&C Dist a: 4.88 ft | Plate Type(s): | | | | | |
| | | Loc. from endwall: not in 13.00 ft | WAVE, HS | VIEW Ver: 18.02.01A.0205.20 | | | | |
| | | GCpi: 0.18 | | | | | | |
| | | Wind Duration: 1.60 | | | | | | |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| X | 1652 | /- | /- | /1264 | /- | /238 |
| O | 1899 | /- | /- | /1592 | /- | /- |
| L | 398 | /- | /- | /389 | /24 | /- |

Wind reactions based on MWFRS
X Brg Width = 5.5 Min Req = 2.1
O Brg Width = 5.5 Min Req = 2.4
L Brg Width = 3.5 Min Req = 1.5
Bearings X, O, & L Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 438 | -1993 | G - H | 664 | -1513 |
| C - D | 527 | -1821 | H - I | 700 | -1048 |
| D - E | 614 | -1656 | I - J | 956 | -440 |
| E - F | 613 | -1655 | J - K | 766 | -386 |
| F - G | 664 | -1513 | K - L | 684 | -323 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| X - W | 558 | -585 | T - S | 1529 | -276 |
| W - V | 1587 | -408 | S - R | 1529 | -276 |
| V - U | 1428 | -340 | R - Q | 1081 | -220 |
| U - T | 1428 | -340 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - X | 402 | -1598 | R - H | 796 | -108 |
| B - W | 1568 | -239 | H - Q | 354 | -1099 |
| D - T | 464 | -268 | Q - I | 1498 | -281 |
| E - T | 258 | -380 | I - O | 317 | -1515 |
| F - R | 209 | -538 | O - N | 258 | -424 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 50 | -1.58 | 12.69 |
| TC | 24 | 12.69 | 39.15 |
| TC | 75 | 39.15 | 50.33 |
| BC | 120 | 0.00 | 40.54 |
| BC | 75 | 40.62 | 48.68 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

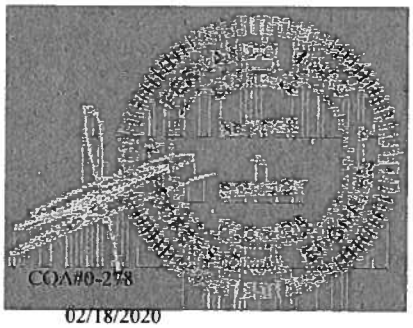
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**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.

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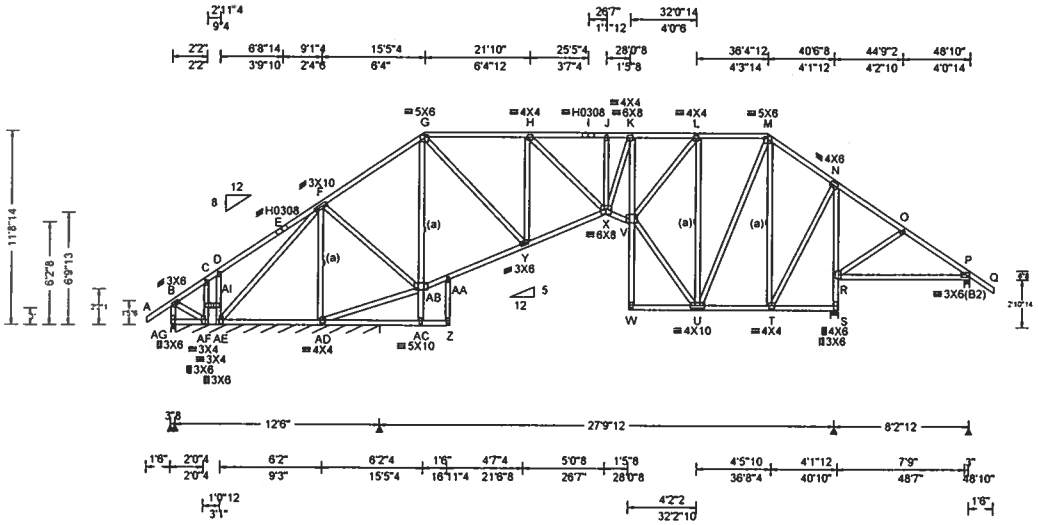
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing,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

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: 57492 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S5 | | Cust: R 857 JRef: 1WSV8570002 T21<br>DrwNo: 049.20.1156.25853<br>AK / FV 02/18/2020 |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | | | | |
|---|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# | |
| TCDL: | 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.107 | J | 999 | 360 | |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.205 | J | 999 | 240 | |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.078 | T | - | - | |
| Des Ld: | 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.148 | T | - | - | |
| NCBCLL: | 0.00 | Mean Height: 15.19 ft | **Code / Misc Criteria** | Creep Factor: 2.0 | | | | |
| Soffit: | 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.453 | | | | |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.432 | | | | |
| Spacing: | 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.791 | | | | |
| | | C&C Dist a: 4.88 ft | FT/RT:20(0)/0(0) | | | | | |
| | | Loc. from endwall: not in 13.00 ft | Plate Type(s): | | | | | |
| | | GCpi: 0.18 | WAVE, HS | VIEW Ver: 18.02.01A.0205.20 | | | | |
| | | Wind Duration: 1.60 | | | | | | |

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| AG | 146 | /- | /- | /299 | /198 | /281 |
| AG | *162 | /- | /- | /154 | /- | /- |
| S | 1408 | /- | /- | /1212 | /- | /- |
| P | 375 | /- | /- | /379 | /26 | /- |
| AF | | /-99 | | | | |
| AE | | /-180 | | | | |

Wind reactions based on MWFRS
AG Brg Width = 3.5 Min Req = 1.5
AG Brg Width = 150 Min Req = -
S Brg Width = 5.5 Min Req = 1.8
P Brg Width = 3.5 Min Req = 1.5
Bearings AG, AG, S, & P Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 598 | - 513 | I - J | 417 | - 1528 |
| C - D | 544 | - 506 | J - K | 417 | - 1528 |
| D - E | 656 | - 461 | K - L | 435 | - 1428 |
| E - F | 666 | - 443 | L - M | 595 | - 575 |
| F - G | 504 | - 361 | M - N | 668 | - 467 |
| G - H | 487 | - 918 | N - O | 653 | - 296 |
| H - I | 417 | - 1528 | O - P | 553 | - 239 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| AG-AF | 449 | - 474 | Y - X | 1043 | - 204 |
| AE-AD | 125 | - 594 | X - V | 1462 | - 281 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AG | 656 | - 503 | H - X | 807 | - 171 |
| B -AF | 521 | - 476 | K - V | 145 | - 435 |
| AI-AE | 213 | - 385 | V - L | 1327 | - 263 |
| AE- F | 799 | - 114 | V - U | 990 | - 204 |
| F -AD | 415 | - 1872 | L - U | 375 | - 1275 |
| F -AB | 1104 | - 203 | U - M | 614 | - 131 |
| AD-AB | 138 | - 688 | M - T | 238 | - 587 |
| AB- G | 324 | - 969 | T - N | 769 | - 169 |
| G - Y | 1022 | - 155 | N - R | 241 | - 1181 |
| Y - H | 277 | - 905 | R - S | 185 | - 1378 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.50 | 15.44 |
| TC | 24 | 15.44 | 36.40 |
| TC | 75 | 36.40 | 50.33 |
| BC | 24 | 0.00 | 2.02 |
| BC | 75 | 3.08 | 17.08 |
| BC | 120 | 15.32 | 26.58 |
| BC | 19 | 26.58 | 28.11 |
| BC | 75 | 28.19 | 40.69 |
| BC | 96 | 40.67 | 48.68 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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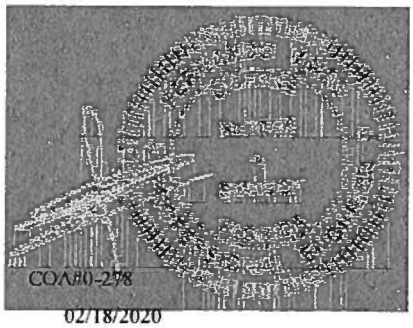


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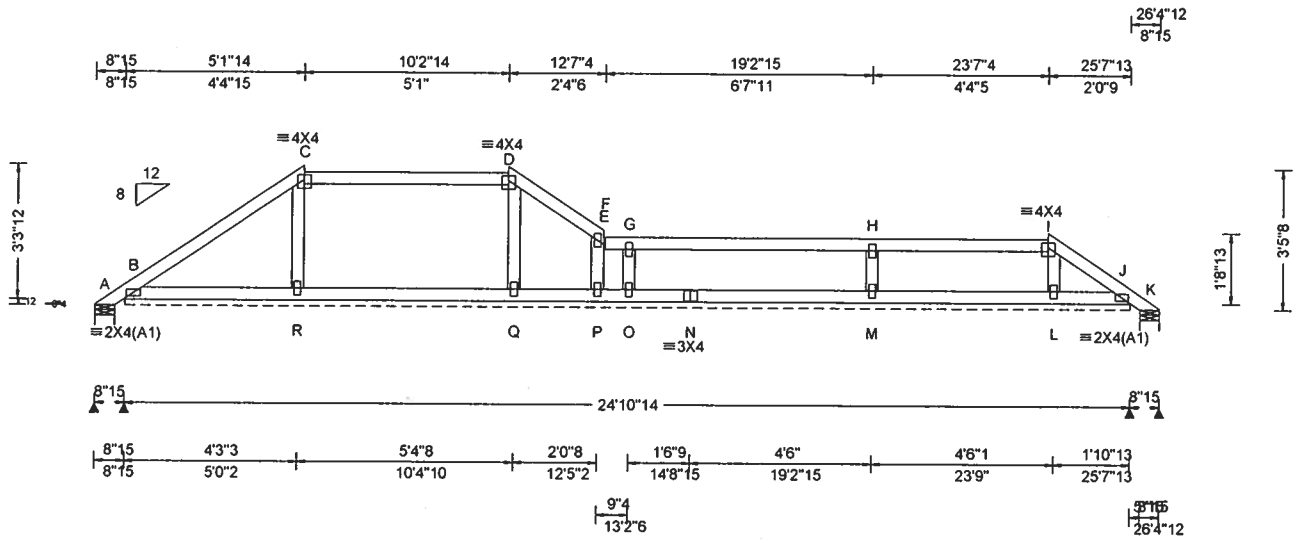
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

| SEQN: 57468 SPEC | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T55 |
|---|---|---|---|
| FROM: | Qty: 1 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1156.32047 |
| | | Truss Label: S6 | AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 20.74 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | R | 999 | 360 |
| VERT(CL): 0.003 | R | 999 | 240 |
| HORZ(LL): 0.002 | L | - | - |
| HORZ(TL): 0.002 | R | - | - |

Creep Factor: 2.0
Max TC CSI: 0.325
Max BC CSI: 0.118
Max Web CSI: 0.251

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-112 | /- | /101 | /98 | /76 |
| B* | 84 | /- | /- | /40 | /21 | /- |
| K | 8 | /- | /- | /9 | /- | /- |
| B | | /-138 | | | | |
| Q | | /-127 | | | | |
| O | | /-190 | | | | |
| M | | /-170 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 298 Min Req = -
K Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & K are a rigid surface.
Members not listed have forces less than 375#

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

| Webs | Tens. | Comp. |
|---|---|---|
| H - M | 403 | -367 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 71 | -0.51 | 4.41 |
| TC | 24 | 4.41 | 9.50 |
| TC | 33 | 9.50 | 11.83 |
| TC | 24 | 11.83 | 22.86 |
| TC | 36 | 22.86 | 25.42 |
| BC | 75 | 0.15 | 24.76 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

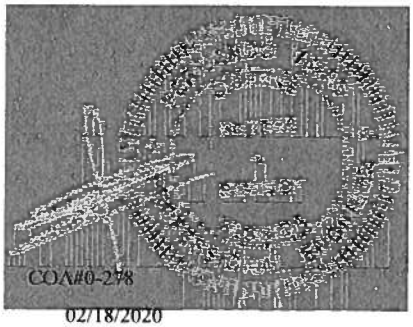
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.

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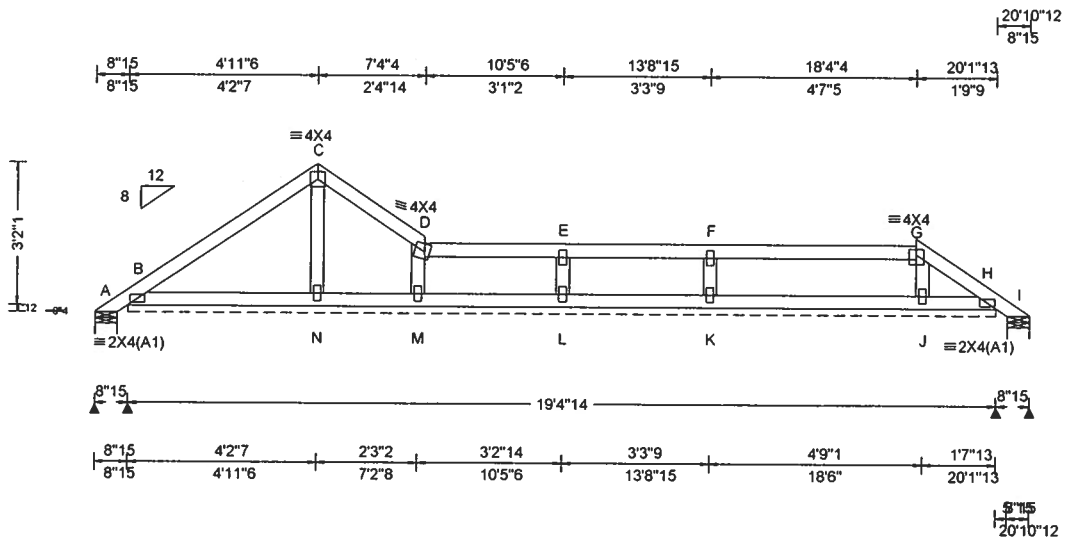
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57469 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S7 | Cust: R 857 JRef: 1WSV8570002 T42<br>DrwNo: 049.20.1156.33030<br>AK / FV 02/18/2020 | |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 22.50 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | N | 999 | 360 |
| VERT(CL): 0.002 | N | 999 | 240 |
| HORZ(LL): 0.001 | N | - | - |
| HORZ(TL): 0.002 | N | - | - |

Creep Factor: 2.0
Max TC CSI: 0.194
Max BC CSI: 0.102
Max Web CSI: 0.162

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-93 | /- | /90 | /100 | /74 |
| B* | 68 | /- | /- | /42 | /21 | /- |
| I | 8 | /- | /- | /9 | /- | /- |
| B | | /-115 | | | | |
| K | | /-127 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 232 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 68 | -0.51 | 4.20 |
| TC | 35 | 4.20 | 6.61 |
| TC | 24 | 6.61 | 17.61 |
| TC | 33 | 17.61 | 19.92 |
| BC | 120 | 0.15 | 19.26 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

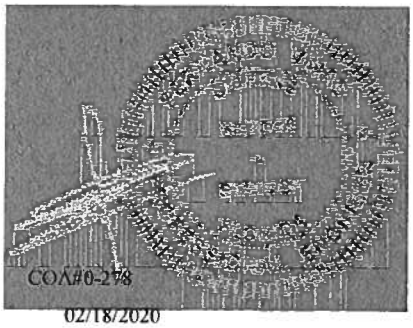
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Refer to DWG PB160160118 for piggyback details.

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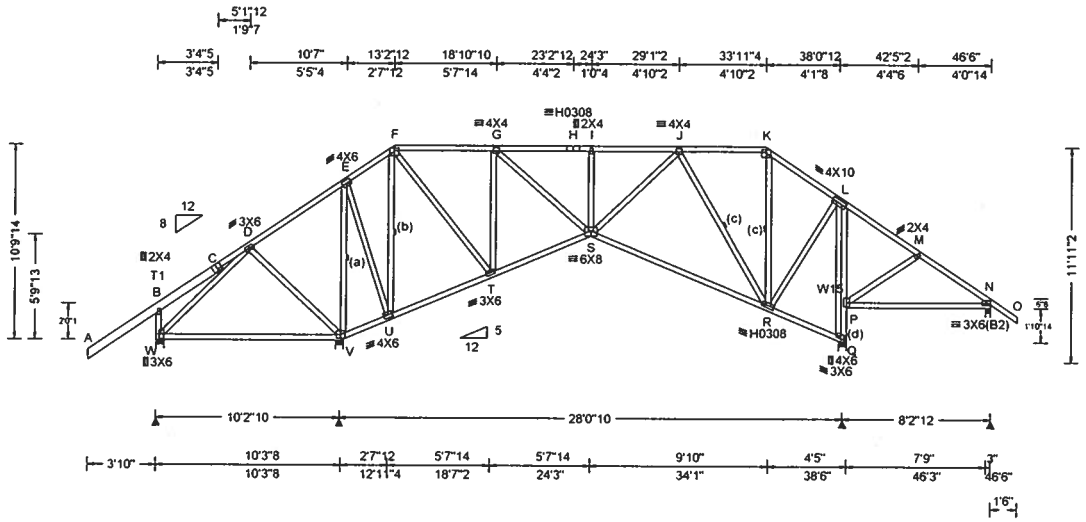
| | | | | |
|---|---|---|---|---|
| SEQN: 57470 SPEC<br>FROM: CVB<br>Page 1 of 2 | Ply: 1<br>Qty: 9 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S8 | | Cust: R 857 JRef: 1WSV8570002 T53<br>DrwNo: 049.20.1156.34590<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |
| Load Duration: | 1.25 |
| Spacing: | 24.0 " |

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.23 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.65 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.068 | I | 999 | 360 |
| VERT(CL): 0.130 | I | 999 | 240 |
| HORZ(LL): 0.059 | Q | - | - |
| HORZ(TL): 0.113 | Q | - | - |

Creep Factor: 2.0
Max TC CSI: 0.420
Max BC CSI: 0.643
Max Web CSI: 0.955

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| W | 241 | /- | /- | /118 | /152 | /321 |
| V | 2031 | /- | /- | /1751 | /- | /- |
| Q | 1309 | /- | /- | /1105 | /- | /- |
| N | 366 | /- | /- | /367 | /85 | /- |

Wind reactions based on MWFRS
W Brg Width = 5.3 Min Req = 1.5
V Brg Width = 5.3 Min Req = 2.5
Q Brg Width = 5.5 Min Req = 5.5
N Brg Width = 3.5 Min Req = 1.5
Bearings W, V, Q, & N Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| D - E | 680 | - 138 | I - J | 418 | - 1166 |
| F - G | 359 | - 480 | J - K | 370 | - 395 |
| G - H | 418 | - 1166 | K - L | 397 | - 508 |
| H - I | 418 | - 1166 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| V - U | 324 | - 530 | S - R | 855 | - 255 |
| T - S | 581 | - 161 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - W | 404 | - 457 | G - S | 872 | - 214 |
| W - D | 588 | - 325 | S - J | 576 | - 84 |
| V - E | 386 | - 1440 | J - R | 282 | - 782 |
| E - U | 997 | - 199 | R - L | 692 | - 14 |
| U - F | 256 | - 1068 | Q - P | 63 | - 554 |
| F - T | 977 | - 256 | L - Q | 82 | - 810 |
| T - G | 370 | - 918 | | | |

**Lumber**

Top chord: 2x4 SP #1; T1 2x6 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W15 2x4 SP #1;
Rt Bearing Leg: 2x4 SP #3;

**Bracing**

(d) Continuous lateral restraint, equally spaced on member.

(c) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Plating Notes**

All plates are 5X6 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Wind**

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

Left end vertical exposed to wind pressure. Deflection meets L/180.

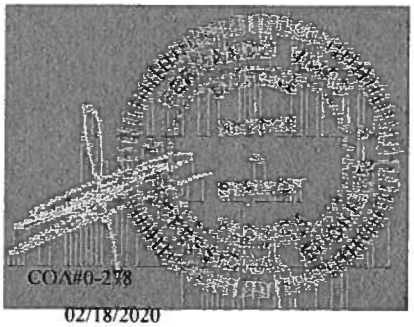
Wind loading based on both gable and hip roof types.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -3.83 | 13.23 |
| TC | 24 | 13.23 | 33.94 |
| TC | 75 | 33.94 | 48.00 |
| BC | 75 | 0.00 | 10.29 |
| BC | 75 | 10.29 | 24.25 |
| BC | 75 | 24.25 | 38.21 |
| BC | 75 | 38.39 | 46.35 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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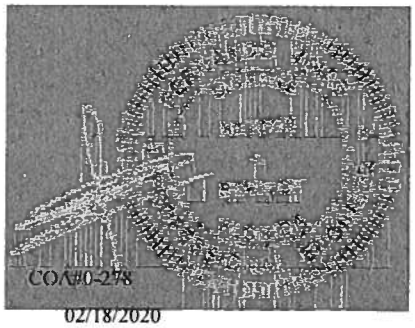
| | | | |
|---|---|---|---|
| SEQN: 57470 SPEC<br>FROM: CVB<br>Page 2 of 2 | Ply: 1<br>Qty: 9 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S8 | Cust: R 857 JRef: 1WSV8570002 T53<br>DrwNo: 049.20.1156.34590<br>AK / FV 02/18/2020 |

**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.

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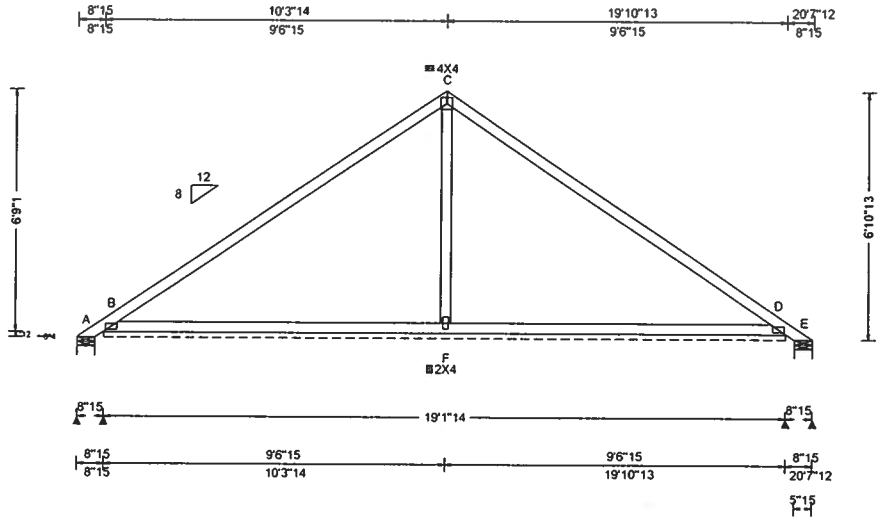
| | | | | |
|---|---|---|---|---|
| SEQN: 57471 SPEC<br>FROM: | Ply: 1<br>Qty: 7 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** S9 | Cust: R 857 JRef: 1WSV8570002 T19<br>DrwNo: 049.20.1156.35760<br>AK / FV 02/18/2020 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 24.38 ft
TCDL: 3.5 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.008 | F | 999 | 360 |
| VERT(CL): 0.018 | F | 999 | 240 |
| HORZ(LL): -0.008 | F | - | - |
| HORZ(TL): 0.016 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.999
Max BC CSI: 0.782
Max Web CSI: 0.842

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-810 | /- | /449 | /546 | /160 |
| B* | 167 | /- | /- | /67 | /50 | /- |
| E | - | /-810 | /- | /364 | /460 | /- |
| B | | /-522 | | | | |
| D | | /-485 | | | | |

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 229 Min Req = -
E Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 548 | - 1039 | C - D | 306 | - 460 |
| B - C | 404 | - 460 | D - E | 472 | - 296 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

**Plating Notes**

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

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 65 | -0.51 | 9.58 |
| TC | 65 | 9.58 | 19.67 |
| BC | 120 | 0.15 | 19.01 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

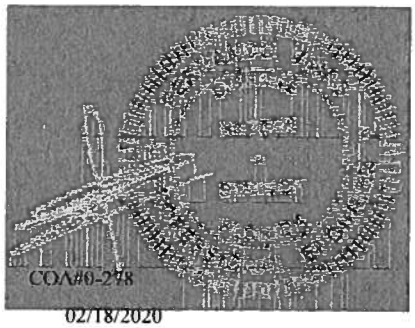
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

Negative reaction(s) of -810# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.

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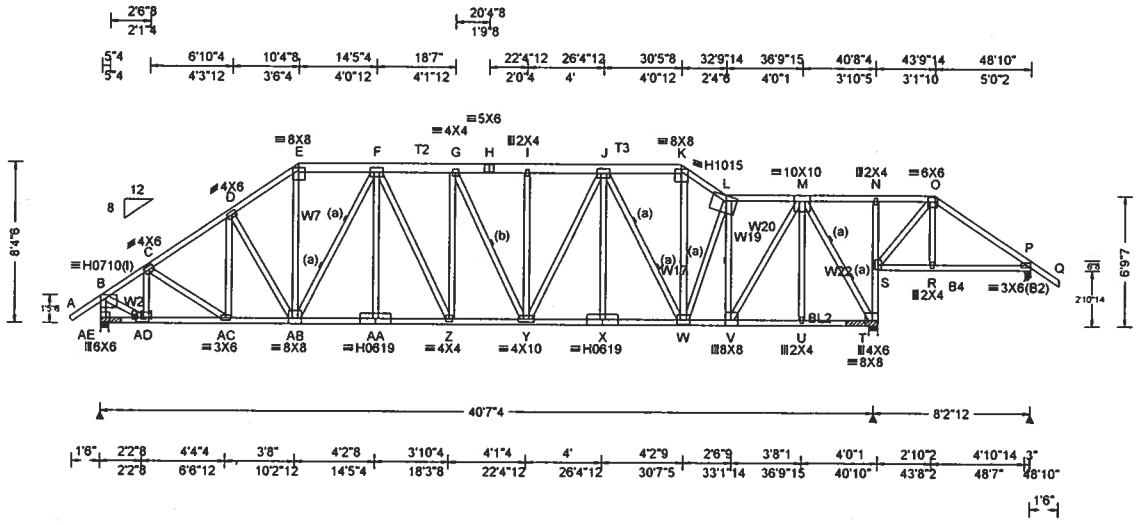
|---|---|---|---|---|
| SEQN: 57501 SPEC<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** SG1 | | Cust: R 857 JRef: 1WSV8570002 T61<br>DrwNo: 049.20.1156.37743<br>AK / FV 02/18/2020 |




| Loading Criteria (psf) | | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | | | | ▲ Maximum Reactions (lbs) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# | | Gravity | | | Non-Gravity | |
| TCDL: | 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.378 | I | 999 | 360 | Loc | R+ / R- | / Rh | / Rw | / U | / RL |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.706 | I | 688 | 240 | AE | 5276 /- | /- | /- | /614 | /- |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.149 | T | - | - | T | 6047 /- | /- | /- | /776 | /- |
| Des Ld: | 37.00 | EXP: B Kzt: NA | | HORZ(TL): 0.278 | T | - | - | P | 497 /- | /- | /- | /109 | /- |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | **Code / Misc Criteria** | Creep Factor: 2.0 | | | | Wind reactions based on MWFRS | | | | | |
| Soffit: | 2.00 | TCDL: 3.5 psf | Bldg Code: FBC 2017 RES | Max TC CSI: 0.987 | | | | AE Brg Width = 5.5 | | | Min Req = - | | |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.993 | | | | T Brg Width = 5.5 | | | Min Req = - | | |
| Spacing: | 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Varies by Ld Case | Max Web CSI: 0.981 | | | | P Brg Width = 3.5 | | | Min Req = 1.5 | | |
| | | C&C Dist a: 4.88 ft | FT/RT:20(0)/0(0) | | | | | Bearings AE, T, & P Fcperp = 425psi. | | | | | |
| | | Loc. from endwall: Any | Plate Type(s): | | | | | Members not listed have forces less than 375# | | | | | |
| | | GCpi: 0.18 | HS, WAVE | VIEW Ver: 18.02.01A.0205.20 | | | | | | | | | |
| | | Wind Duration: 1.60 | | | | | | | | | | | |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 589 | -5263 | H - I | 895 | -8007 |
| C - D | 799 | -7107 | I - J | 895 | -8007 |
| D - E | 835 | -7479 | J - K | 656 | -6017 |
| E - F | 674 | -6151 | K - L | 798 | -7224 |
| F - G | 896 | -8016 | L - M | 609 | -5580 |
| G - H | 895 | -8007 | O - P | 108 | -438 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| AD-AC | 4500 | -498 | Y - X | 7371 | -818 |
| AC-AB | 5889 | -650 | X - W | 7371 | -818 |
| AB-AA | 7449 | -828 | W - V | 5796 | -635 |
| AA- Z | 7449 | -828 | V - U | 2846 | -311 |
| Z - Y | 8040 | -899 | U - T | 2846 | -311 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AE | 618 | -5246 | I - Y | 76 | -687 |
| B -AD | 4842 | -534 | Y - J | 1422 | -171 |
| AD- C | 278 | -2111 | J - X | 578 | -74 |
| C -AC | 1634 | -177 | J - W | 349 | -2909 |
| AC- D | 151 | -909 | K - W | 3315 | -359 |
| D -AB | 678 | -70 | W - L | 902 | -86 |
| AB- E | 3512 | -373 | L - V | 565 | -4825 |
| AB- F | 333 | -2788 | V - M | 5509 | -601 |
| F -AA | 558 | -73 | M - T | 650 | -5885 |
| F - Z | 1305 | -157 | T - S | 228 | -917 |
| Z - G | 74 | -668 | S - O | 109 | -586 |

**Lumber**

Top chord: 2x4 SP #1; T2,T3 2x6 SP #1;
Bot chord: 2x4 SP SS Dense; B4 2x4 SP #1;
Webs: 2x4 SP #3; W2,W7,W17,W19,W20 2x4 SP #1;
W22 2x4 SP M-30;

**Bracing**

(b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(a) Continuous lateral restraint equally spaced on member. Or 2x8 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 57 plf at | -1.66 to | 57 plf at | 50.33 | |
| BC: From | 5 plf at | -1.66 to | 5 plf at | 0.00 | |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 48.83 | |
| BC: From | 5 plf at | 48.83 to | 5 plf at | 50.33 | |

TC: 241 lb Conc. Load at 10.44,12.44,14.44,16.44 18.44,20.42,22.40,24.40,26.40,28.40,30.40
TC: 87 lb Conc. Load at 40.83,42.83
TC: 129 lb Conc. Load at 43.82
BC: 1365 lb Conc. Load at 10.41
BC: 216 lb Conc. Load at 12.44,14.44,16.44,18.44 20.42,22.40,24.40,26.40,28.40
BC: 1358 lb Conc. Load at 30.43
BC: 69 lb Conc. Load at 40.83,42.83
BC: 108 lb Conc. Load at 43.82

**Plating Notes**

All plates are 6X8 except as noted.

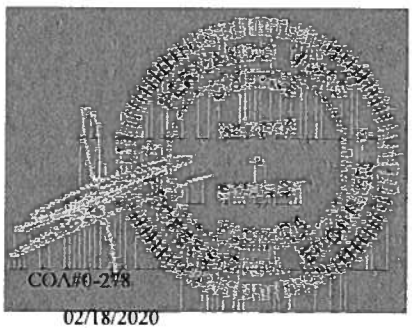
(l) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Plates sized for a minimum of 3.50 sq.in./piece.

**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

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

| SEQN: 57501 SPEC | Ply: 1 | Job Number: B50621a | Cust: R 857 JRef: 1WSV8570002 T61 |
|---|---|---|---|
| FROM: | Qty: 1 | -Pinchouk Res Trademark Const Group | DrwNo: 049.20.1156.37743 |
| Page 2 of 2 | | Truss Label: SG1 | AK / FV 02/18/2020 |

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 19 | -1.58 | 10.38 |
| TC | 24 | 10.38 | 30.46 |
| TC | 19 | 30.46 | 32.82 |
| TC | 24 | 32.82 | 43.82 |
| TC | 75 | 43.82 | 50.33 |
| BC | 85 | 0.00 | 40.54 |
| BC | 97 | 40.61 | 48.68 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Bearing Block(s)**

Brg blocks:0.128"x3", min. nails

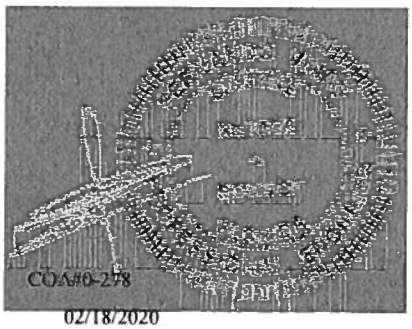
| brg | x-loc | #blocks | length/blk | #nails/blk | wall plate |
|---|---|---|---|---|---|
| 1 | 0.000' | 1 | 13" | 8 | SPF Standard |
| 2 | 40.375' | 1 | 20" | 14 | SPF Standard |

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

**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.

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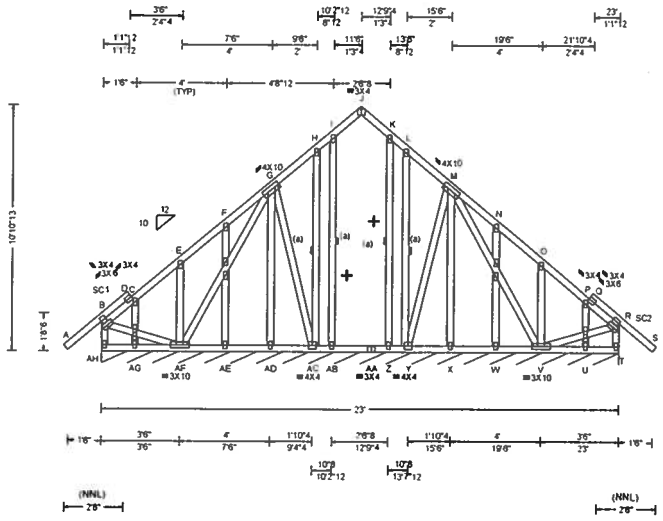
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57472 GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** STRGBL1 | Cust: R 857 JRef: 1WSV8570002 T1<br>DrwNo: 049.20.1157.37517<br>AK / FV 02/18/2020 | |



| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | **▲Maximum Reactions (lbs), or *=PLF** |
|---|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 140 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: B Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 3.5 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>**Code / Misc Criteria**<br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.001 J 999 360<br>VERT(CL): 0.003 J 999 240<br>HORZ(LL): -0.001 C - -<br>HORZ(TL): 0.001 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.166<br>Max BC CSI: 0.021<br>Max Web CSI: 0.077<br><br>VIEW Ver: 18.02.01A.0205.20 | Gravity / Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>T* 87 /- /- /42 /- /3<br>Wind reactions based on MWFRS<br>T Brg Width = 275 Min Req = -<br>Bearing AH Fcperp = 425psi.<br>Members not listed have forces less than 375# |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

**Plating Notes**

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 44 | -1.59 | 1.41 |
| TC | 75 | 0.00 | 11.50 |
| TC | 75 | 11.50 | 23.00 |
| TC | 44 | 21.59 | 24.59 |
| BC | 120 | 0.00 | 23.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

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

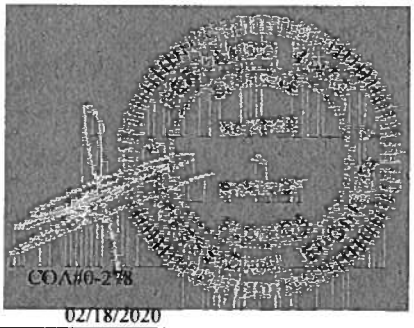
Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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

+ Member to be laterally braced for horizontal wind load. Bracing system to be designed and furnished by others.




02/18/2020

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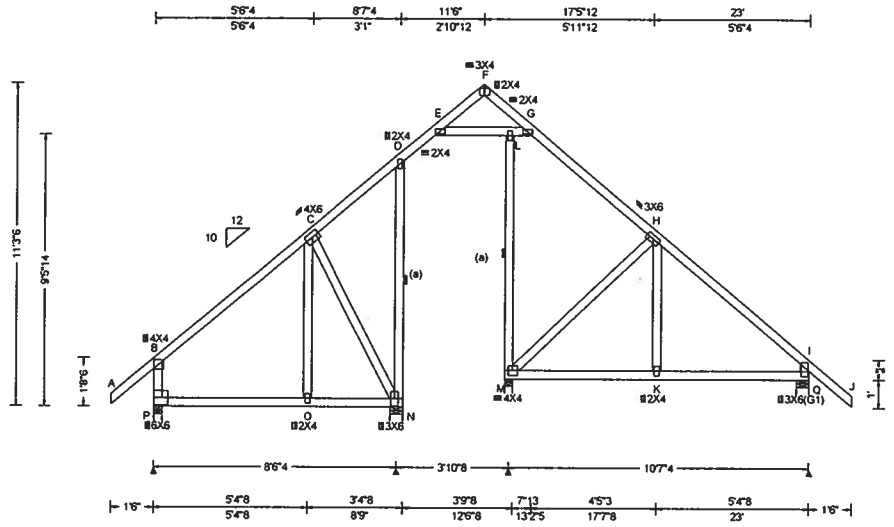
| | | | | |
|---|---|---|---|---|
| SEQN: 57473 COMN<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** T-1 | Cust: R 857 JRef: 1WSV8570002 T5<br>DrwNo: 049.20.1157.40340<br>AK / FV 02/18/2020 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.076 | O | 999 | 360 |
| VERT(CL): 0.174 | O | 602 | 240 |
| HORZ(LL): -0.221 | M | - | - |
| HORZ(TL): 0.336 | M | - | - |

Creep Factor: 2.0
Max TC CSI: 0.444
Max BC CSI: 0.578
Max Web CSI: 0.806

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| P | 438 | /- | /- | /352 | /128 | /281 |
| N | 493 | /- | /- | /431 | /149 | /- |
| M | 580 | /- | /- | /340 | /- | /- |
| Q | 512 | /- | /- | /428 | /97 | /- |

Wind reactions based on MWFRS
P Brg Width = 3.5 Min Req = 1.5
N Brg Width = 5.5 Min Req = 1.5
M Brg Width = 3.5 Min Req = 1.5
Q Brg Width = 5.5 Min Req = 1.5
Bearings P, N, M, & Q Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 548 | - 315 | G - H | 720 | - 198 |
| C - D | 674 | - 237 | H - I | 626 | - 436 |
| D - E | 613 | - 224 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| E - L | 704 | - 220 | L - G | 621 | - 205 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - P | 487 | - 365 | M - L | 217 | - 620 |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Stub Wedge: 2x4 SP #3;

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

**Bracing**
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

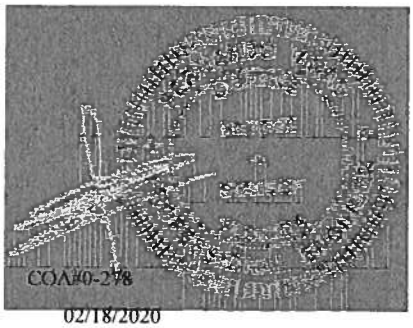
**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.50 | 11.50 |
| TC | 75 | 11.50 | 24.50 |
| BC | 105 | 0.00 | 8.75 |
| BC | 39 | 9.89 | 13.11 |
| BC | 120 | 12.25 | 23.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

**Additional Notes**
Refer to General Notes for additional information

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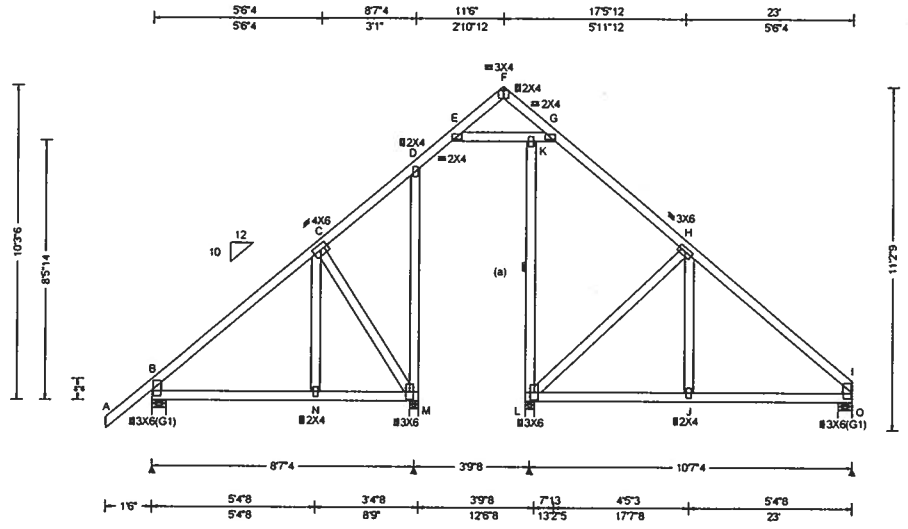
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 57474 COMN<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** T-2 | Cust: R 857 JRef: 1WSV8570002 T6<br>DrwNo: 049.20.1157.42690<br>AK / FV 02/18/2020 | |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | | | |
|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# |
| TCDL: | 7.00 | Speed: 140 mph | Pf: NA Ce: NA | VERT(LL): 0.016 | M | 999 | 360 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.029 | F | 999 | 240 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.024 | J | - | - |
| Des Ld: | 37.00 | EXP: B Kzt: NA | **Code / Misc Criteria** | HORZ(TL): 0.047 | J | - | - |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | Bldg Code: FBC 2017 RES | Creep Factor: 2.0 | | | |
| Soffit: | 2.00 | TCDL: 3.5 psf | TPI Std: 2014 | Max TC CSI: 0.316 | | | |
| Load Duration: | 1.25 | BCDL: 5.0 psf | Rep Fac: Yes | Max BC CSI: 0.510 | | | |
| Spacing: | 24.0 " | MWFRS Parallel Dist: > 2h | FT/RT:20(0)/0(0) | Max Web CSI: 0.474 | | | |
| | | C&C Dist a: 3.00 ft | Plate Type(s): | | | | |
| | | Loc. from endwall: not in 9.00 ft | WAVE | VIEW Ver: 18.02.01A.0205.20 | | | |
| | | GCpi: 0.18 | | | | | |
| | | Wind Duration: 1.60 | | | | | |

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 444 | /- | /- | /297 | /102 | /262 |
| M | 475 | /- | /- | /409 | /130 | /- |
| L | 591 | /- | /- | /300 | /- | /- |
| O | 410 | /- | /- | /321 | /70 | /- |

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
M Brg Width = 3.5 Min Req = 1.5
L Brg Width = 3.5 Min Req = 1.5
O Brg Width = 5.5 Min Req = 1.5
Bearings B, M, L, & O Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 712 | - 461 | G - H | 674 | - 233 |
| C - D | 677 | - 249 | H - I | 584 | - 446 |
| D - E | 555 | - 167 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| E - K | 636 | - 155 | K - G | 563 | - 149 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| L - K | 257 | - 544 |

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 75 | -1.50 | 11.50 |
| TC | 75 | 11.50 | 23.00 |
| BC | 105 | 0.00 | 8.75 |
| BC | 39 | 9.89 | 13.11 |
| BC | 120 | 12.25 | 23.00 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

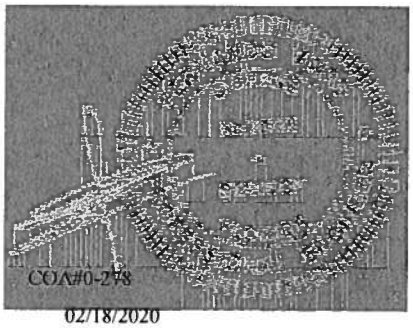
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

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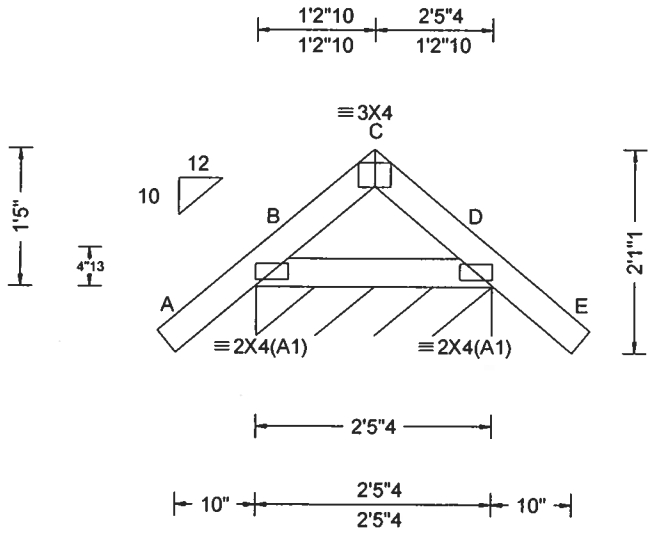
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57475 COMN<br>FROM: | Ply: 1<br>Qty: 6 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** T-3 | Cust: R 857 JRef: 1WSV8570002 T58<br>DrwNo: 049.20.1158.03700<br>AK / FV 02/18/2020 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.90 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.000 | C | 999 | 360 |
| VERT(CL): 0.000 | | 999 | 240 |
| HORZ(LL): 0.000 | | - | - |
| HORZ(TL): 0.000 | | - | - |

Creep Factor: 2.0
Max TC CSI: 0.103
Max BC CSI: 0.024
Max Web CSI: 0.000

VIEW Ver: 18.02.01A.0205.20

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| D* | 126 | /- | /- | /60 | /22 | /25 |

Wind reactions based on MWFRS
D Brg Width = 29.3 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

**Plating Notes**

Plates sized for a minimum of 3.50 sq.in./piece.

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 34 | -0.93 | 1.22 |
| TC | 34 | 1.22 | 3.36 |
| BC | 26 | 0.15 | 2.29 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Wind**

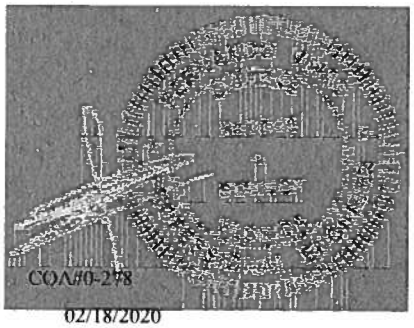
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to General Notes for additional information

See Detail PB160101014 for piggyback details.




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

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

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

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

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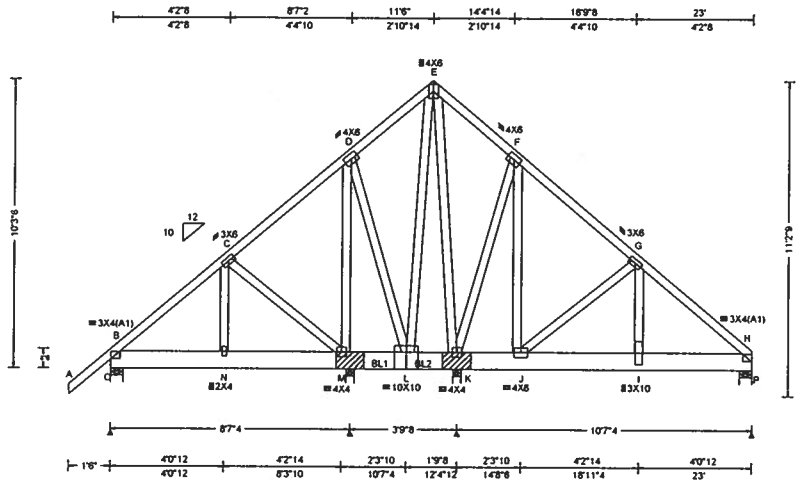
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 57508 COMN<br>FROM:<br>Page 1 of 2 | Ply: 2<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** TG-1 | Cust: R 857 JRef: 1WSV8570002 T20<br>DrwNo: 049.20.1158.46437<br>AK / FV 02/18/2020 |

**2 Complete Trusses Required**




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 3.5 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

**Code / Misc Criteria**
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.023 | I | 999 | 360 |
| VERT(CL): 0.043 | I | 999 | 240 |
| HORZ(LL): -0.008 | G | - | - |
| HORZ(TL): 0.015 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.980
Max BC CSI: 0.266
Max Web CSI: 0.722

VIEW Ver: 18.02.01A.0205.20

**▲ Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | |
|---|---|---|---|---|---|
| Loc | R+ / R- | / Rh | | / Rw | / U / RL |
| O | 342 / - | / - | | / - | /162 / - |
| M | 5802 / - | / - | | / - | /978 / - |
| K | 6554 / - | / - | | /427 | / - / - |
| P | 2680 / - | / - | | /240 | / - / - |

Wind reactions based on MWFRS
O Brg Width = 5.5 Min Req = 1.5
M Brg Width = 3.5 Min Req = -
K Brg Width = 3.5 Min Req = -
P Brg Width = 5.5 Min Req = 1.9
Bearings O, M, K, & P Fcperp = 425psi.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| G - H | 0 | - 1234 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| J - I | 899 | 0 | I - H | 916 | 0 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| E - K | 0 | - 463 | J - G | 0 | - 956 |
| K - F | 0 | - 1339 | G - I | 1141 | 0 |
| F - J | 1502 | 0 | | | |

**Lumber**
Top chord: 2x4 SP #1;
Bot chord: 2x8 SP SS Dense;
Webs: 2x4 SP #3;

**Nailnote**
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts may be used for
(2) 0.128"x3", min. nails on
The Bottom Chord Only.

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 58 plf at | -1.50 to | 58 plf at | 8.06 |
| TC: From | 29 plf at | 8.06 to | 29 plf at | 11.50 |
| TC: From | 58 plf at | 11.50 to | 58 plf at | 23.00 |
| BC: From | 5 plf at | -1.50 to | 5 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 8.06 |
| BC: From | 10 plf at | 8.06 to | 10 plf at | 23.00 |

BC: 4793 lb Conc. Load at 8.06
BC: 1516 lb Conc. Load at 10.06,12.06,14.06,16.06
BC: 944 lb Conc. Load at 18.06,20.06,22.06

**Plating Notes**
Plates sized for a minimum of 3.50 sq.in./piece.

**Wind**
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

**Purlins**
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

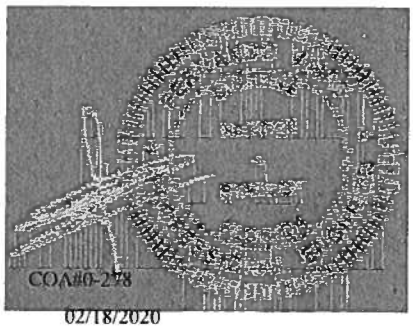
| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|---|---|---|---|
| TC | 120 | -1.50 | 11.50 |
| TC | 96 | 11.50 | 23.00 |
| BC | 120 | 0.34 | 22.66 |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Bearing Block(s)**
Brg blocks:0.128"x3", min. nails

| brg | x-loc | #blocks | length/blk | #nails/blk | wall plate |
|---|---|---|---|---|---|
| 2 | 8.458' | 1 | 12" | 7 | SPF Standard |
| 3 | 12.250' | 1 | 12" | 13 | SPF Standard |

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

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

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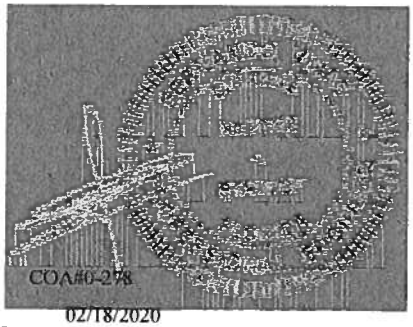
| | | | |
|---|---|---|---|
| SEQN: 57508 COMN<br>FROM:<br>Page 2 of 2 | Ply: 2<br>Qty: 1 | **Job Number:** B50621a<br>-Pinchouk Res Trademark Const Group<br>**Truss Label:** TG-1 | Cust: R 857 JRef: 1WSV8570002 T20<br>DrwNo: 049.20.1158.46437<br>AK / FV 02/18/2020 |

**Blocking**

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 3 located at 12.3'

**Additional Notes**

Refer to General Notes for additional information

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# Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

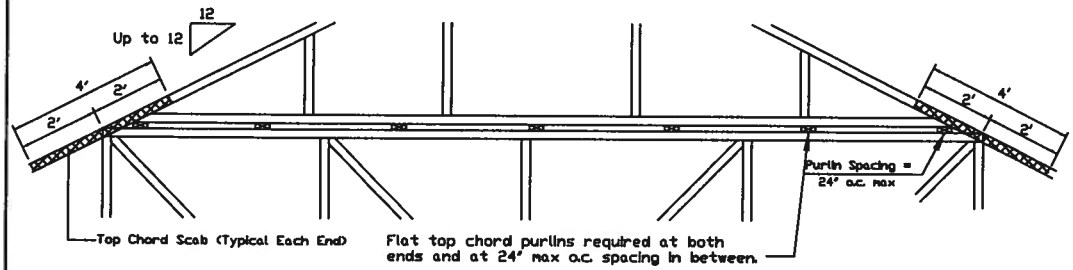
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

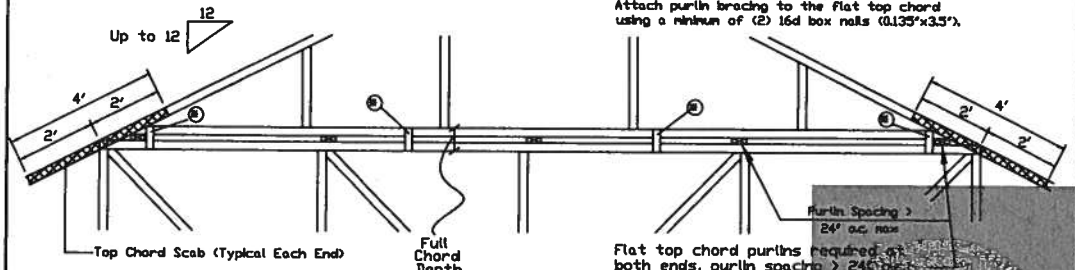



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. 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 nails (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 nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (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**<br>Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8" o.c. with (4) 0.120"x1.375" nails 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**<br>8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8" o.c. with (8) 6d common (0.113"x2") nails per 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**<br>2x4 SPF #2, full chord depth scabs (each face). Attach @ 8" o.c. with (6) 10d box nails (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. |
| **28PB Wave Piggyback Plate**<br>Use 28PB wave piggyback plate to each face @ 8" o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4" o.c. front to back faces. |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COA #: 278

SPACING 24.0"

| | |
|---|---|
| REF | PIGGYBACK |
| DATE | 01/02/2018 |
| DRWG | PB160160118 |

# Piggyback Detail - ASCE 7-16: 180 mph, 30' Mean Hgt, Partially Enclosed, Exp. C, Kzt=1.00

180 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 160 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

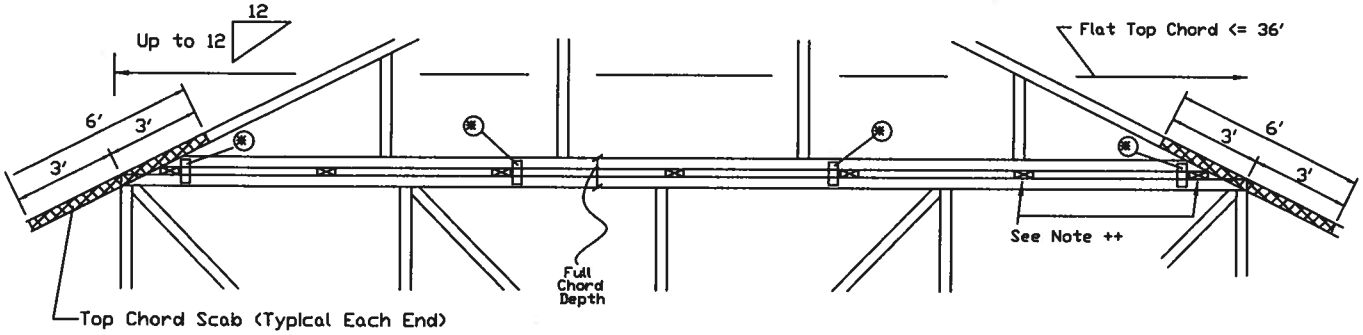
Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

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.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (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 nails (0.128"x3") at 4" o.c.

++ Flat top chord purlins required at both ends and at a maximum of 24" intervals unless otherwise noted on base truss design drawing. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").




| * In addition, provide connection with one of the following methods: | |
|---|---|
| **Trulox**<br>Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces. | **28PB Wave Piggyback Plate**<br>One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces. |
| **APA Rated Gusset**<br>8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per 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**<br>2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (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. |



02.18.2020
COA#0-278

| | |
|---|---|
| REF | PIGGYBACK |
| DATE | 01/02/2018 |
| DRWG | PB180160118 |
| SPACING | 24.0" |

# Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section
(L) = Minimum nailing distance on each side of damaged area (B)
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered.
Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

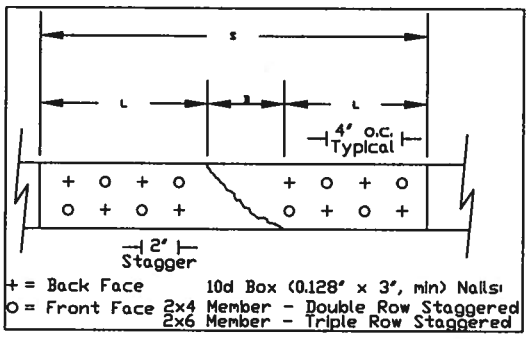
This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

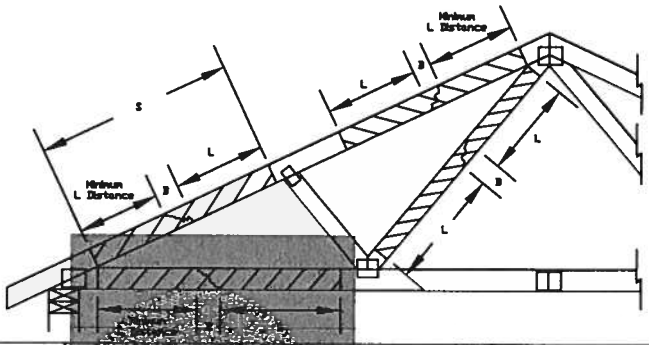
Broken chord may not support any tie-in loads.

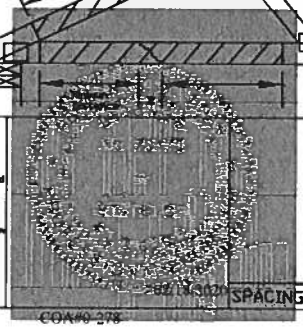
Load Duration = 0%
Member forces may be increased for Duration of Load

| Member | Size | L | Maximum Member Axial Force SPF-C | HF | DF-L | SYP |
|---|---|---|---|---|---|---|
| Web Only | 2x4 | 12" | 620# | 635# | 730# | 800# |
| Web Only | 2x4 | 18" | 975# | 1055# | 1295# | 1415# |
| Web or Chord | 2x4 | 24" | 975# | 1055# | 1495# | 1745# |
| Web or Chord | 2x6 | | 1465# | 1585# | 2245# | 2620# |
| Web or Chord | 2x4 | 30" | 1910# | 1960# | 2315# | 2555# |
| Web or Chord | 2x6 | | 2230# | 2365# | 3125# | 3575# |
| Web or Chord | 2x4 | 36" | 2470# | 2530# | 2930# | 3210# |
| Web or Chord | 2x6 | | 3535# | 3635# | 4295# | 4745# |
| Web or Chord | 2x4 | 42" | 2975# | 3045# | 3505# | 3835# |
| Web or Chord | 2x6 | | 4395# | 4500# | 5225# | 5725# |
| Web or Chord | 2x4 | 48" | 3460# | 3540# | 4070# | 4445# |
| Web or Chord | 2x6 | | 5165# | 5280# | 6095# | 6660# |




Nail Spacing Detail



SPACING 24.0" MAX

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For more information see this job's general notes page and these web sites:
ALPINE www.alpinetruss.com TPI www.tpinst.org SBCA www.sbcindustry.org BCD www.bcdcares.org

| | |
|---|---|
| REF | MEMBER REPAIR |
| DATE | 10/01/14 |
| DRWG | REPCHRD1014 |

COA#0-278

# 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.

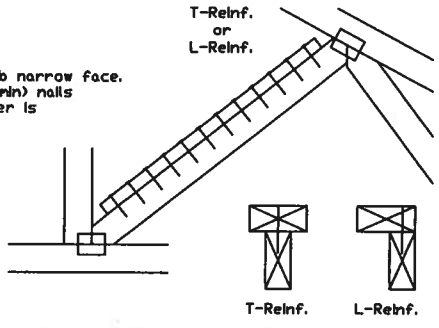
| Web Member Size | Specified CLR Restraint | Alternative Reinforcement T- or L- Reinf. | Alternative Reinforcement Scab Reinf. |
|---|---|---|---|
| 2x3 or 2x4 | 1 row | 2x4 | 1-2x4 |
| 2x3 or 2x4 | 2 rows | 2x6 | 2-2x4 |
| 2x6 | 1 row | 2x4 | 1-2x6 |
| 2x6 | 2 rows | 2x6 | 2-2x4@10 |
| 2x8 | 1 row | 2x6 | 1-2x8 |
| 2x8 | 2 rows | 2x6 | 2-2x6@10 |

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.

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

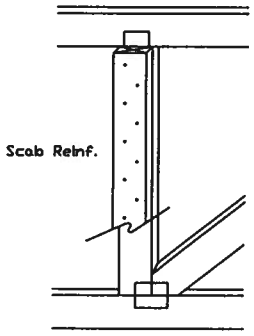
### T-Reinforcement or L-Reinforcement:

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




### Scab Reinforcement:

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

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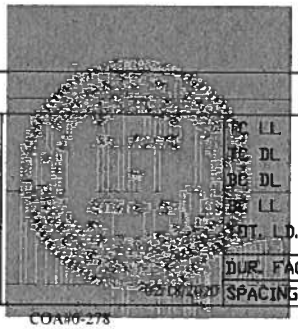
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043





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

COA#6-278

# NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH,GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

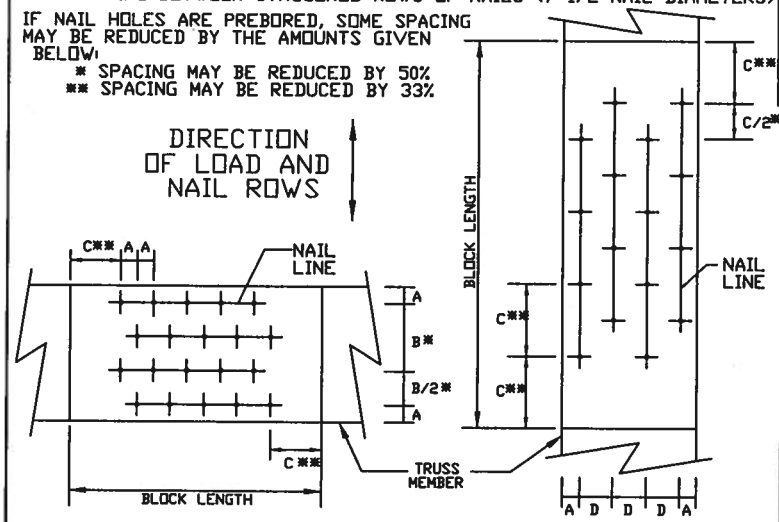
LOAD PERPENDICULAR TO GRAIN
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
A - EDGE DISTANCE (6 NAIL DIAMETERS)
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

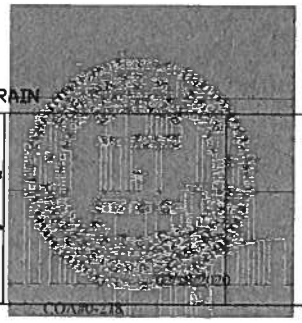
IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
* SPACING MAY BE REDUCED BY 50%
** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

| NAIL TYPE | DISTANCES A | B* | C** | D |
|---|---|---|---|---|
| 8d BOX (0.113"X 2.5",MIN) | 3/4" | 1 3/8" | 1 3/4" | 7/8" |
| 10d BOX (0.128"X 3.",MIN) | 7/8" | 1 5/8" | 2" | 1" |
| 12d BOX (0.128"X 3.25",MIN) | 7/8" | 1 5/8" | 2" | 1" |
| 16d BOX (0.135"X 3.5",MIN) | 7/8" | 1 5/8" | 2 1/8" | 1 1/8" |
| 20d BOX (0.148"X 4.",MIN) | 1" | 1 7/8" | 2 1/4" | 1 1/8" |
| 8d COMMON (0.131"X 2.5",MIN) | 7/8" | 1 5/8" | 2" | 1" |
| 10d COMMON (0.148"X 3.",MIN) | 1" | 1 7/8" | 2 1/4" | 1 1/8" |
| 12d COMMON (0.148"X 3.25",MIN) | 1" | 1 7/8" | 2 1/4" | 1 1/8" |
| 16d COMMON (0.162"X 3.5",MIN) | 1" | 2" | 2 1/2" | 1 1/4" |
| GUN (0.120"X 2.5",MIN) | 3/4" | 1 1/2" | 1 7/8" | 1" |
| GUN (0.131"X 2.5",MIN) | 7/8" | 1 5/8" | 2" | 1" |
| GUN (0.120"X 3.",MIN) | 3/4" | 1 1/2" | 1 7/8" | 1" |
| GUN (0.131"X 3.",MIN) | 7/8" | 1 5/8" | 2" | 1" |




LOAD APPLIED PERPENDICULAR TO GRAIN  LOAD APPLIED PARALLEL TO GRAIN



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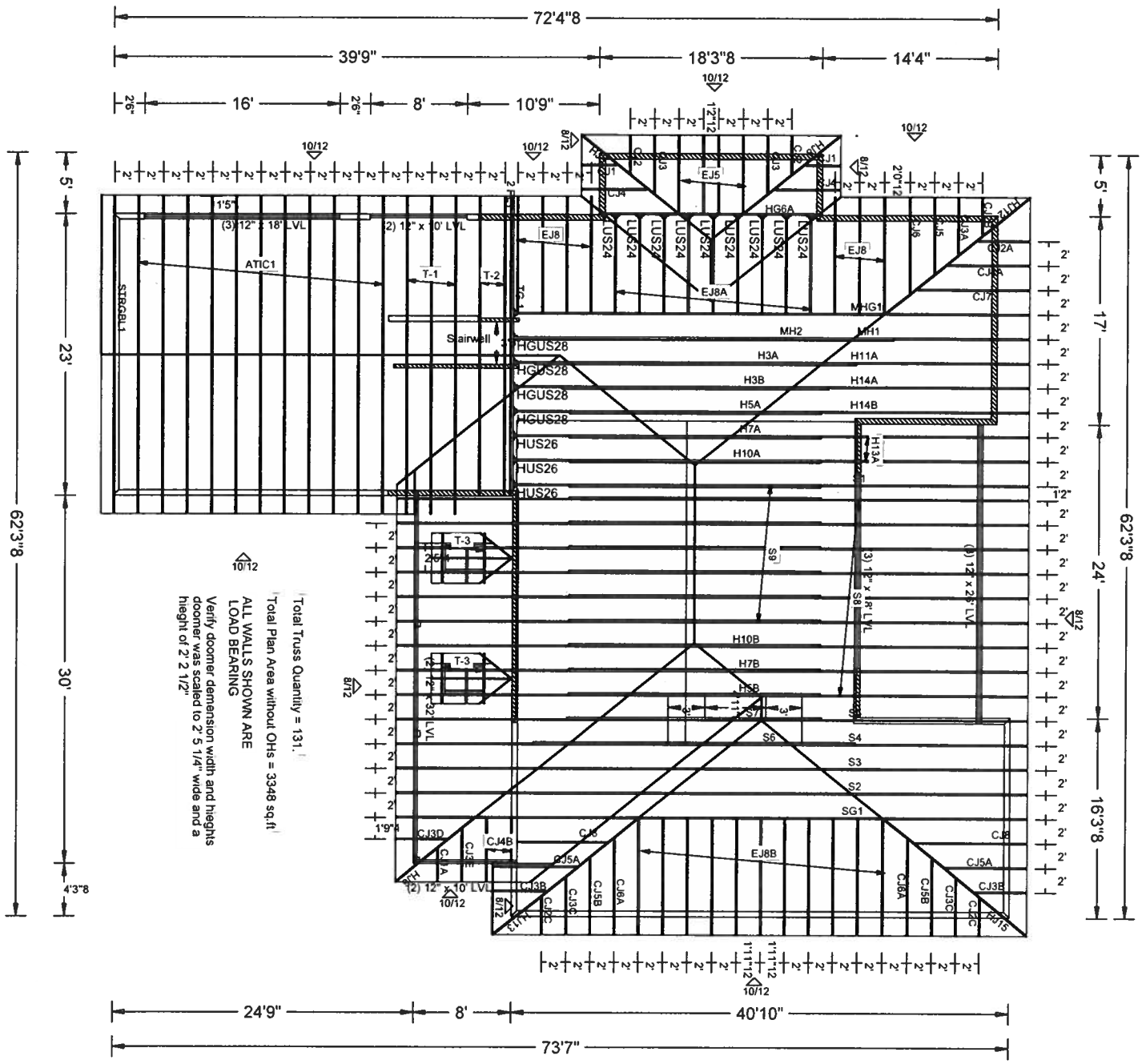
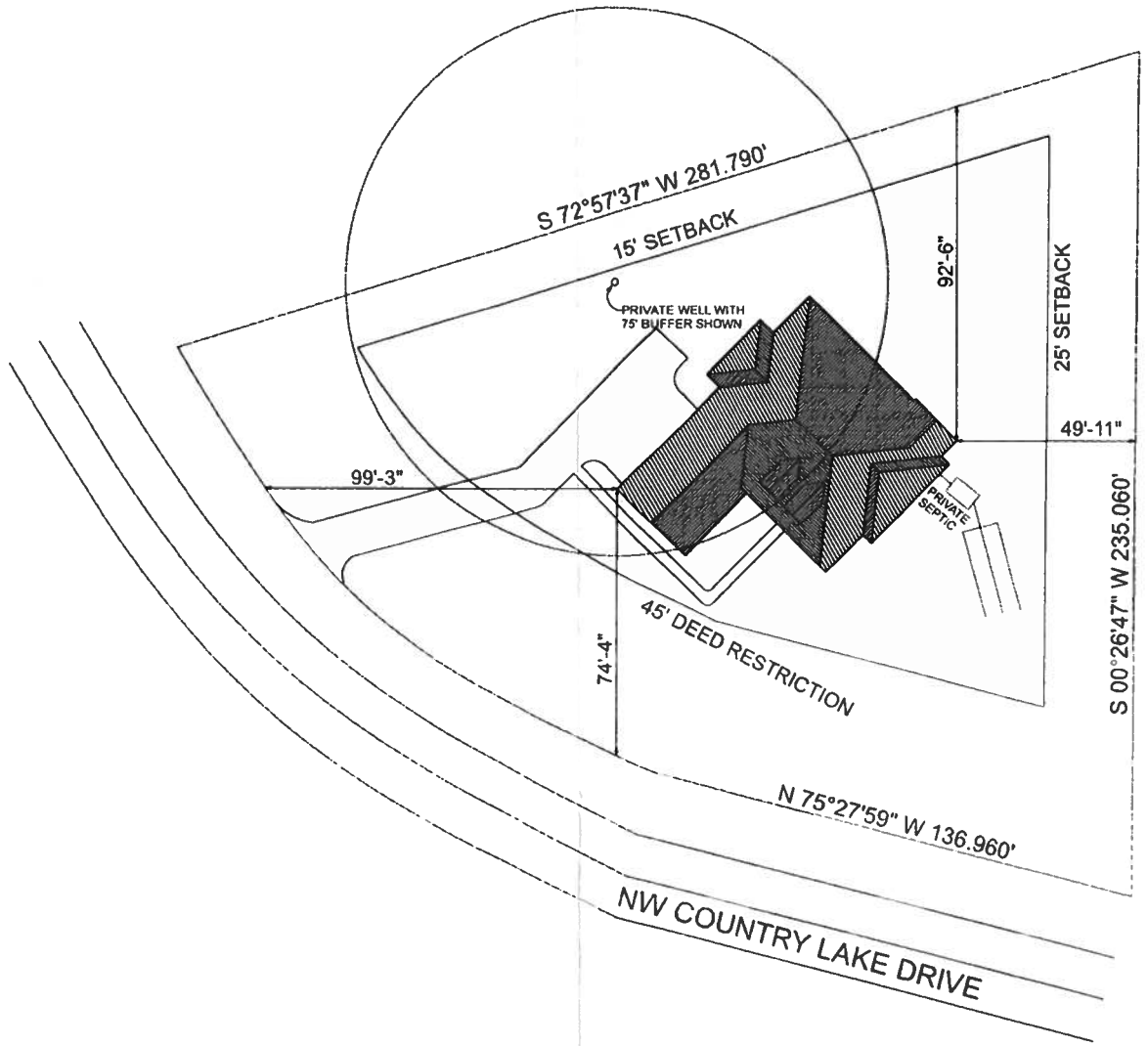
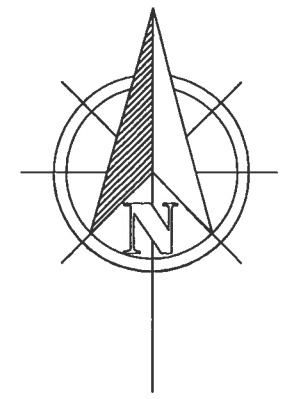
ALPSMD www.alpinetruss.com TPI www.tpinst.org/ SBCA www.sbcindustry.org/ IBC www.iccsafe.org

| | |
|---|---|
| REF | NAIL SPACE |
| DATE | 10/01/14 |
| DRWG | CNNAILSP1014 |




| | | | | |
|---|---|---|---|---|
| PAGE NO: 1 OF 1 | JOB NO: B50621a | Job Name: Pinchouk Res<br>Customer: Trademark Const Group<br>Designer: Rodney Barone<br>PlanName:<br>Created : 01-15-2020<br>SemRef# : B50621a | | SEMINOLE TRUSSES INC. |




SCALE: 1" = 20'

PARCEL: 22-3S-16E-02267-140 (0.91 ACRES)
LOT 40, "COUNTRY LAKE IN WOODBOROUGH PHASE 2" ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 9, PAGES 57 THROUGH 58, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

| REVISIONS DATE | BY | DESCRIPTION |
|---|---|---|
| | | |

DESIGN BY:
TRADEMARK Construction Group, Inc.
CERTIFIED GENERAL CONTRACTOR
CGC1514780
750 SW MAIN BLVD.
LAKE CITY, FL 32025
(386)755-5254

CES
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P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085

Brett A. Crews, P.E. 65592

DRAWN BY: TM
APPROVED BY: BC

***PINCHOUCK RESIDENCE***

PROJECT NO: R18.012

SITE PLAN

SHEET: SIT-1