☑ Need Land owner Affidavit from Bobbie Pizzaga

Columbia County New Building Permit Application

CK# 1286

For Office Use Only Application # 1907-68 Date Received 7/17 By MG Permit # 2852/38428

Zoning Official JMP Date 7-19-19 Flood Zone X Land Use Ag Zoning Ag-3

FEMA Map # _____ Elevation _____ MFE 82' River _____ Plans Examiner T.C. Date 7-29-19

Comments Per Plat Minimum floor elevation is 82', need elevation confirmation letter at slab

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

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

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

Septic Permit No. 19-0519 OR City Water ☐ Fax _____

Applicant (Who will sign/pickup the permit) Wayne Clemons Phone 386-406-1898

Address 300 SW Beyond Ct. Lake City, FL 32024

Owners Name Wayne or Wanda Clemons & Bobbie Pizzagalli (Owners) Phone 386-406-1898

911 Address 215 SW Colony Glen Lake City, FL 32024

Contractors Name Wayne Clemons Phone 386-406-1898

Address 300 SW Beyond Ct. Lake City, FL 32024

Contractor Email barlie22@aol.com ***Include to get updates on this job.

Fee Simple Owner Name & Address Wayne or Wanda Clemons 300 SW Beyond Ct. LAKE CITY

Bonding Co. Name & Address _____

Architect/Engineer Name & Address WM Design & Assoc. 426 SW Commerce Dr. Ste. 13 LAKE CITY, FL

Mortgage Lenders Name & Address N/A

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

Property ID Number ~~01-6S-16-03761-142~~ 01-6S-16-03761-143 Estimated Construction Cost $125,000

Subdivision Name Meadowlands ~~48~~ Lot 43 Block _____ Unit _____ Phase 3

Driving Directions from a Major Road Going South on Tustenuggee turn right off of Tustenuggee onto SW Meadowlands Dr., turn right onto SW High Field Terrace turn right onto Colony Dr. property is second lot on le

Construction of house ☐ Commercial OR ☑ Residential

Proposed Use/Occupancy family home Number of Existing Dwellings on Property Ø

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

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

Actual Distance of Structure from Property Lines - Front 300' Side 125' Side 135' Rear 300'

Number of Stories 1 Heated Floor Area 2,069 SF Total Floor Area 3,060 SF Acreage 10

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

Columbia County Building Permit Application

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

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

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

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

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

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

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

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

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

Wayne Clemons _____

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 License Number** _____

Contractor's Signature **Columbia County Competency Card Number** _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known ☐ **or Produced Identification** _____

_____ **SEAL:**

State of Florida Notary Signature (For the Contractor)

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

01-6S-16-03761-143

Clerk's Office Stamp

Inst: 201912016560 Date: 07/17/2019 Time: 3:38PM
Page 1 of 1 B: 1389 P: 444, P.DeWitt Cason, Clerk of Court Colum
County, By: BD
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713 13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT**.

1. Description of property *(legal description)*: Clemons
   a) Street *(job)* Address: 215 SW Colony Glen
2. General description of improvements: New house
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: Wayne & Wanda Clemons 215 SW Colony Glen
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property owner
4. Contractor Information
   a) Name and address: owner/builder
   b) Telephone No.: 386-406-7898
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address: _____
   b) Amount of Bond: _____
   c) Telephone No.: _____
6. Lender
   a) Name and address: _____
   b) Phone No. _____
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
   a) Name and address: _____
   b) Telephone No.: _____
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713 13(l)(b), Florida Statutes:
   a) Name: _____ OF _____
   b) Telephone No.: _____
9. Expiration date of Notice of Commencement **(the expiration date will be 1 year from the date of recording unless a different date is specified)**: _____

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

10 _____
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Wayne Clemons
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 17 day of July, 2019 by:

Wayne Allen Clemons (Name of Person) owner (Type of Authority) for self (name of party on behalf of whom instrument was executed).

Personally Known ____ OR Produced Identification ✓ Type Tem DL

Notary Signature _____ Notary Stamp or Seal:

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

Legend

2018Aerials

Parcels

Addresses

2018 Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

SRWMD Wetlands

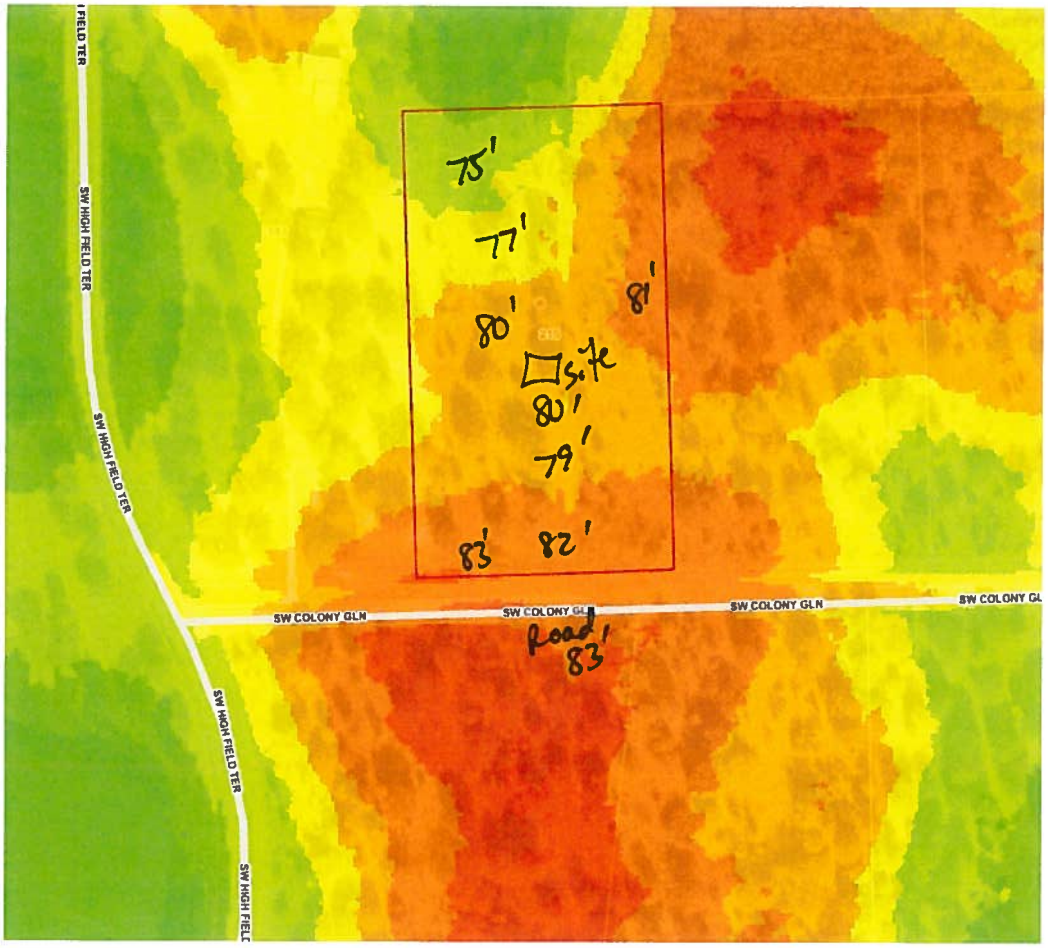
LidarElevations

Roads

- Roads
- others

Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Jul 19 2019 16:45:29 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 01-6S-16-03761-143

Owner: FLEMING CHARLES E & CATHY A

Subdivision: MEADOWLANDS PHASE 3

Lot:

Acres: 5.006482

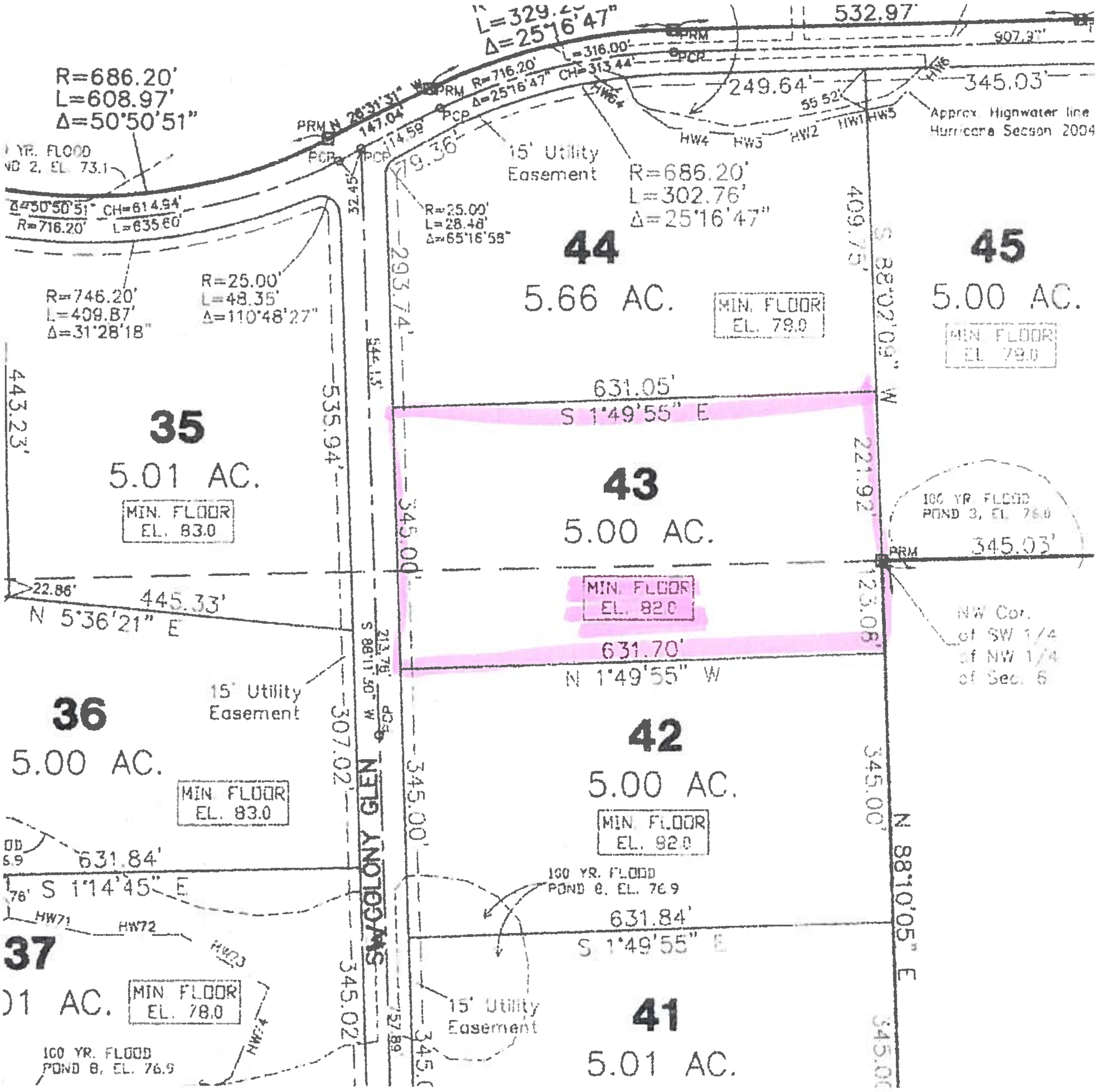
Deed Acres: 5 Ac

District: District 5 Tim Murphy

Future Land Uses: Agriculture - 3

Flood Zones:

Official Zoning Atlas: A-3



L=329.26'
Δ=25°16'47"
532.97'
907.97'
R=686.20'
L=608.97'
Δ=50°50'51"
R=716.20'
Δ=25°16'47"
CH=313.44'
L=316.00'
249.64'
345.03'
Approx. Highwater line Hurricane Season 2004
15' Utility Easement
R=686.20'
L=302.76'
Δ=25°16'47"
R=25.00'
L=28.48'
Δ=65°16'58"
R=746.20'
L=409.87'
Δ=31°28'18"
R=25.00'
L=48.35'
Δ=110°48'27"
44
5.66 AC.
MIN. FLOOR EL. 78.0
45
5.00 AC.
MIN. FLOOR EL. 79.0
35
5.01 AC.
MIN. FLOOR EL. 83.0
631.05'
S 1°49'55" E
43
5.00 AC.
MIN. FLOOR EL. 82.0
100 YR. FLOOD POND 3, EL. 76.0
345.03'
631.70'
N 1°49'55" W
NW Cor. of SW 1/4 of NW 1/4 of Sec. 6
445.33'
N 5°36'21" E
36
5.00 AC.
MIN. FLOOR EL. 83.0
15' Utility Easement
42
5.00 AC.
MIN. FLOOR EL. 82.0
SW COLONY GLEN
N 88°10'05" E
S 88°02'09" W
631.84'
S 1°14'45" E
100 YR. FLOOD POND 8, EL. 76.9
631.84'
S 1°49'55" E
37
MIN. FLOOR EL. 78.0
41
5.01 AC.


MEADOWLANDS PHASE 3
IN SECTION 1, TOWNSHIP 6 SOUTH, RANGE 16 EAST &
IN SECTION 36, TOWNSHIP 5 SOUTH, RANGE 16 EAST &
IN SECTION 6, TOWNSHIP 6 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA
TOWNSHIP 5 SOUTH
TOWNSHIP 6 SOUTH
RANGE 16 EAST
RANGE 17 EAST
34
5.00 AC.
35
5.01 AC.
36
5.00 AC.
37
5.01 AC.
38
5.24 AC.
39
44
5.66 AC.
45
5.00 AC.
46
5.00 AC.
47
5.00 AC.
48
5.00 AC.
43
5.00 AC.
42
5.00 AC.
41
40
82'
1
36
6
31

See also Env. Health for Sit

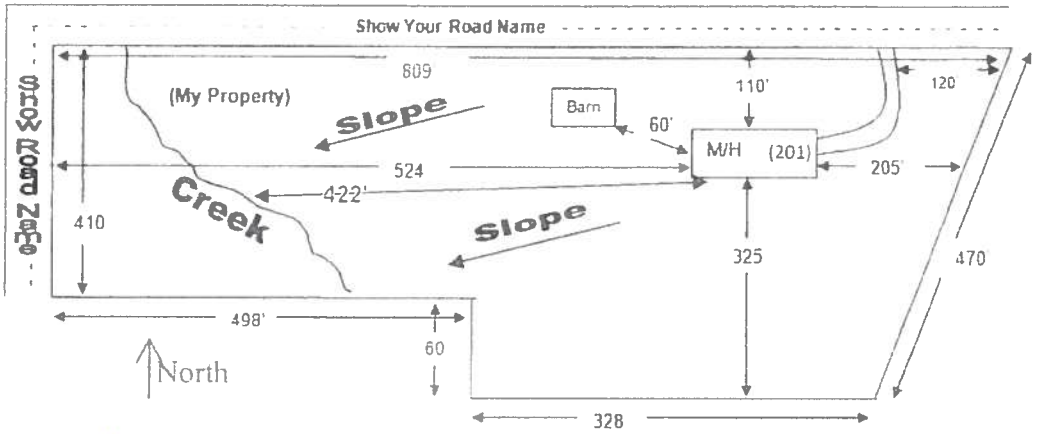
SITE PLAN CHECKLIST

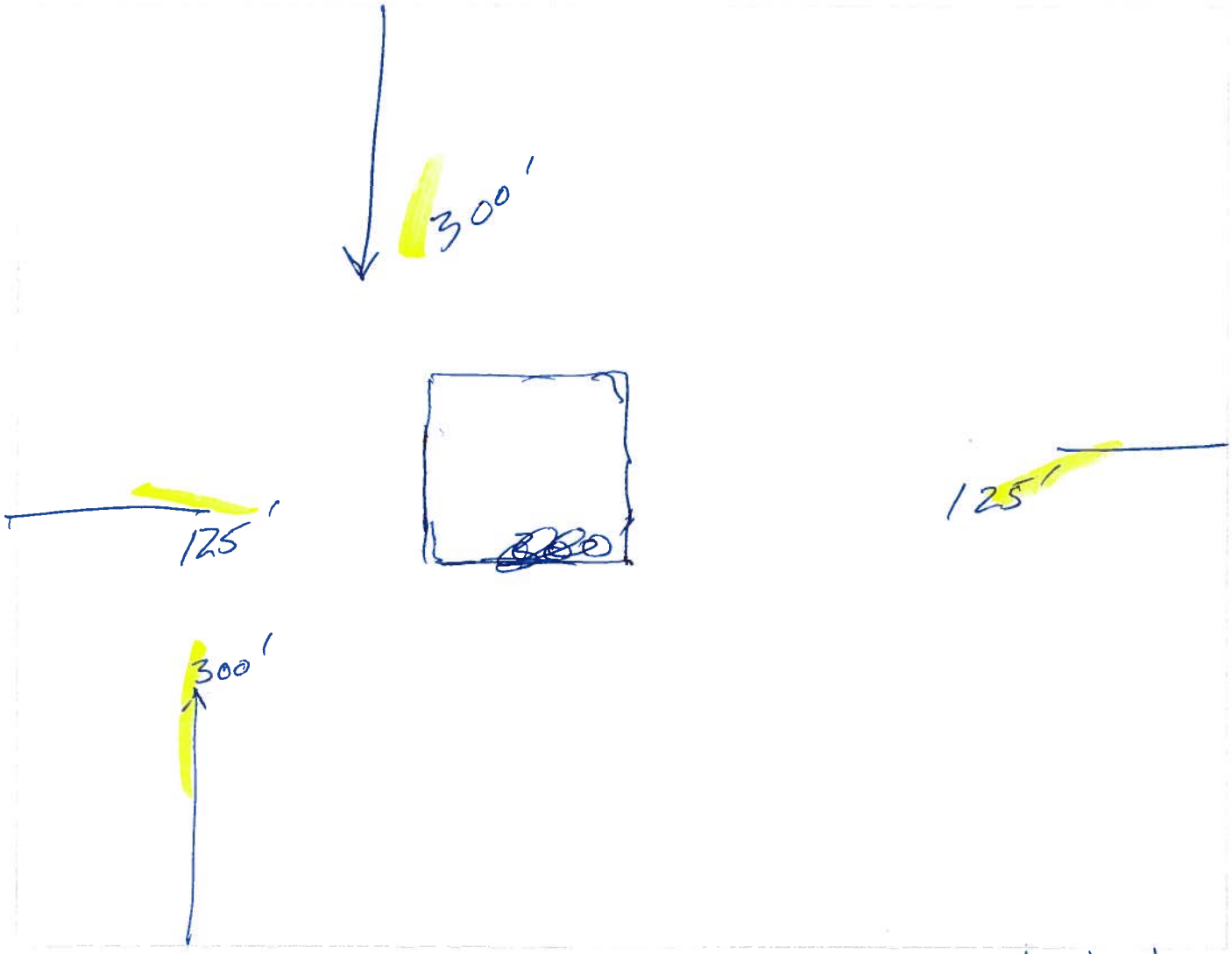
___1) Property Dimensions
___2) Footprint of proposed and existing structures (including decks), label these with existing addresses
___3) Distance from structures to all property lines
___4) Location and size of easements
___5) Driveway path and distance at the entrance to the nearest property line
___6) Location and distance from any waters; sink holes; wetlands; and etc.
___7) Show slopes and or drainage paths
___8) Arrow showing North direction

SITE PLAN EXAMPLE

Revised 7/1/15

NOTE:
This site plan can be copied and used with the 911 Addressing Dept. application forms.





Colony Glen

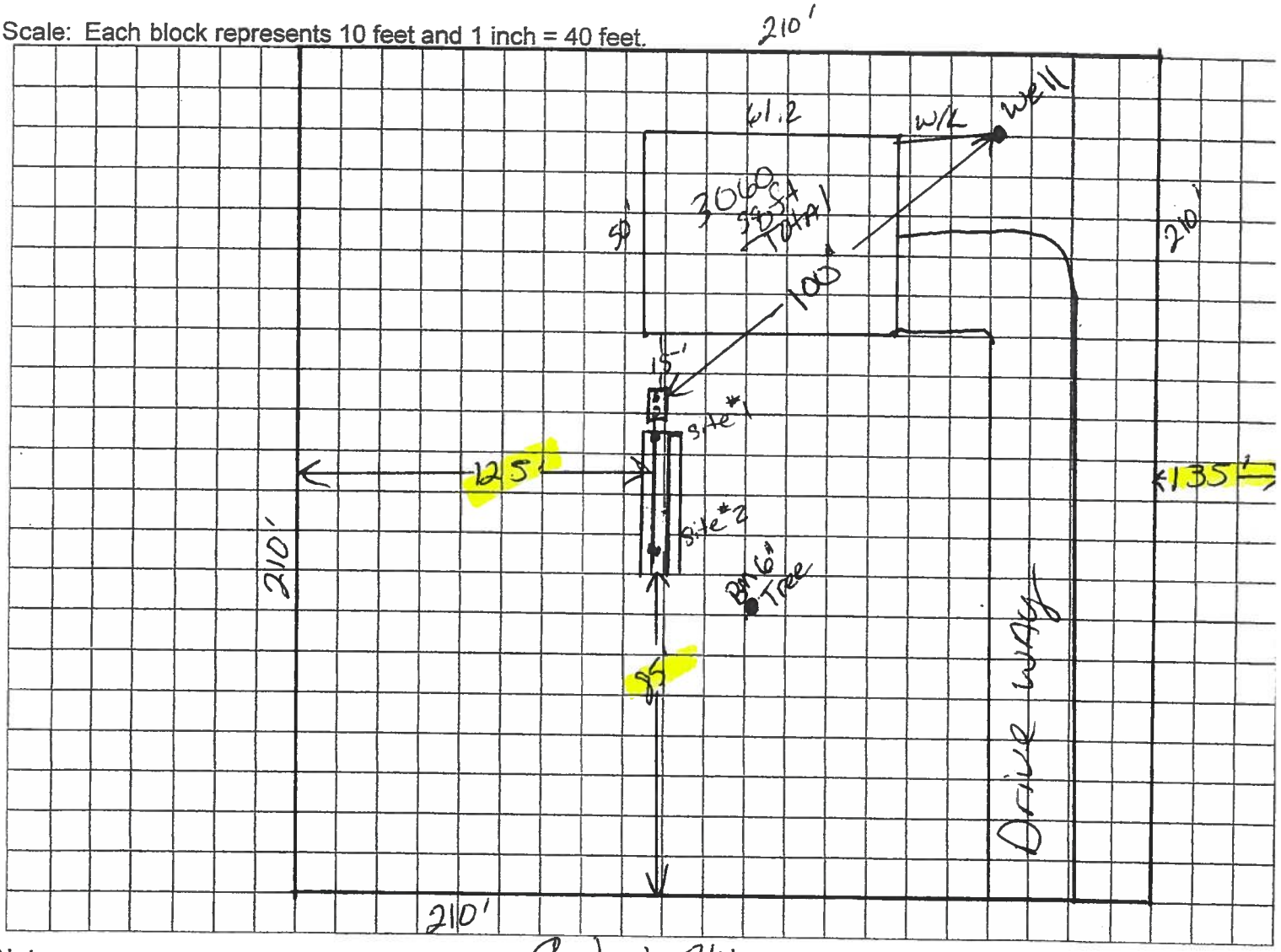
1 BW 1

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0519

PART II - SITEPLAN Clemons

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes: COBN B/N.
1 AC, of 5 AC,

Site Plan submitted by: Robert W Davis, Jr. DATE 7/3/19

Plan Approved ___ Not Approved ___ Date 7/10/19

By FSH Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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

PERMIT NO. 19-0519
DATE PAID: 7/8/19
FEE PAID: 310.00
RECEIPT #: 1425553

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

APPLICANT: Wayne Clemons

AGENT: Robert W Ford JR NFST INC. TELEPHONE: 386 755-6372

MAILING ADDRESS: 741 SE State Rd 100 LC FLA 32025

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: 43 BLOCK: 3 SUBDIVISION: Meadowlands PLATTED: _____

PROPERTY ID #: 01-6S-16-03761-143 ZONING: _____ I/M OR EQUIVALENT: [Y / (N)]

PROPERTY SIZE: 5 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: 0 FT

PROPERTY ADDRESS: TBD Meadow Land Dr.

DIRECTIONS TO PROPERTY: 131 South to Meadowlands Dr t/R to High Field Terr t/R to Colony Dr. t/R to Site on left.

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	New House	4	2069	
2				
3				
4				

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

SIGNATURE: Robert W Ford Jr DATE: 7/3/19

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

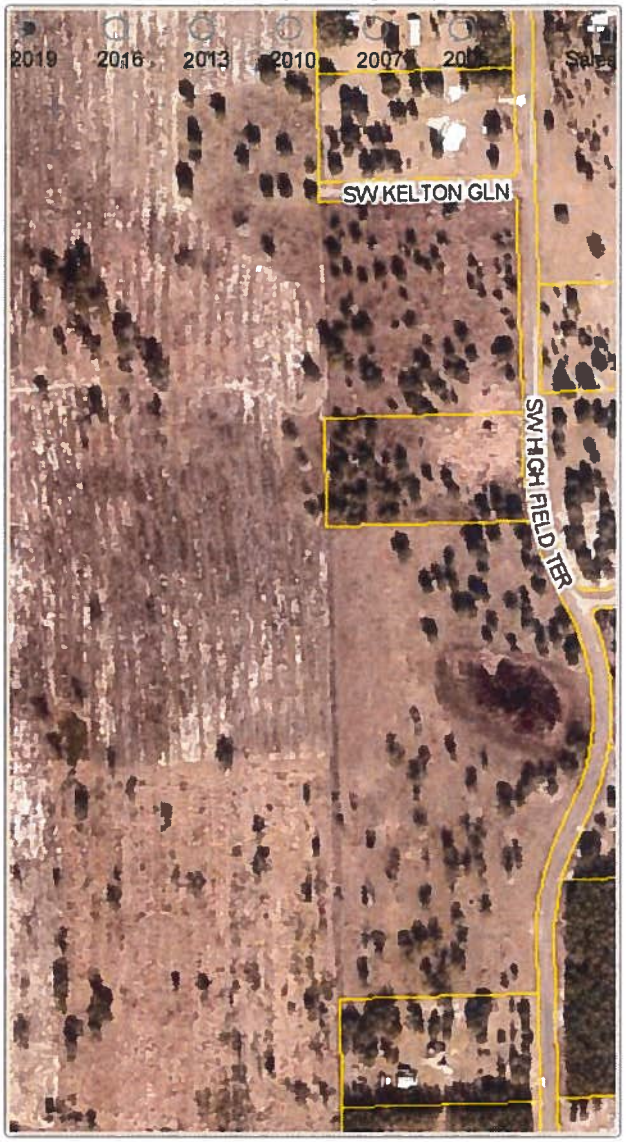
Columbia County Property Appraiser

Jeff Hampton

2018 Tax Roll Year
updated: 6/25/2019

Parcel: << **01-6S-16-03761-143** >>

Aerial Viewer Pictometery Google Maps



Owner & Property Info

Owner	**CLEMONS WAYNE A &** WANDA E CLEMONS & BOBBIE S PIZZAGALLI (JTWRS) 300 SW BEYOND CT LAKE CITY, FL 32024		
Site	,		
Description*	LOT 43 MEADOWLANDS S/D PHASE 3 WD 1038-854, WD 1084-777, DC 1386-243, WD 1386-245,		
Area	5 AC	S/T/R	01-6S-16E
Use Code**	VACANT (000000)	Tax District	3

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

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	$29,000	Mkt Land (1)	$29,000
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$29,000	Just	$29,000
Class	$0	Class	$0
Appraised	$29,000	Appraised	$29,000
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$29,000	Assessed	$29,000
Exempt	$0	Exempt	$0
Total Taxable	county:$29,000 city:$29,000 other:$29,000 school:$29,000	Total Taxable	county:$29,000 city:$29,000 other:$29,000 school:$29,000

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
6/6/2019	$65,000	1386/0245	WD	V	Q	05 (Multi-Parcel Sale) - show
5/10/2006	$42,500	1084/0777	WD	V	U	08
2/18/2005	$135,000	1038/0854	WD	V	Q	

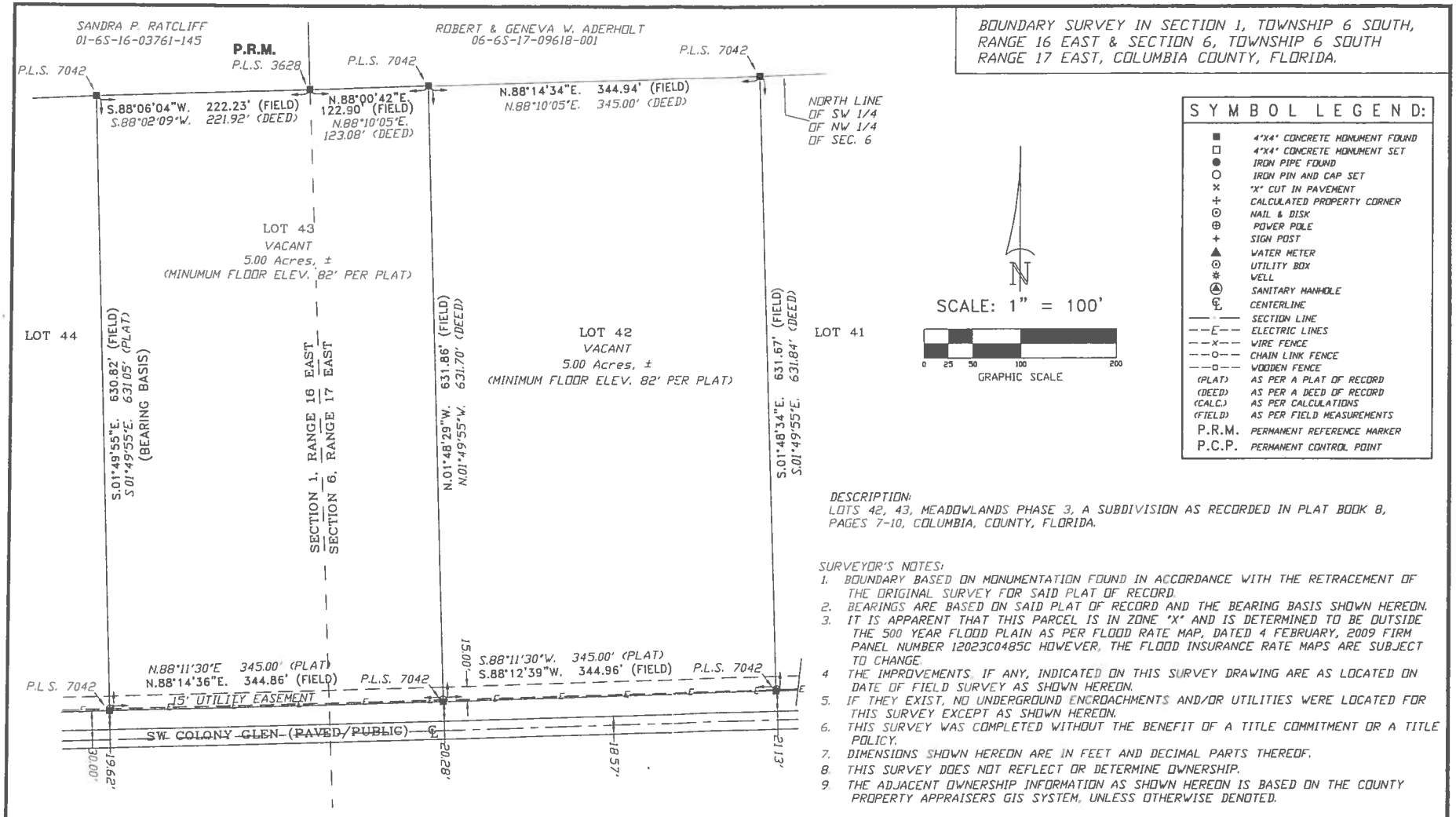
Building Characteristics

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

Extra Features & Out Buildings (Codes)

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

BOUNDARY SURVEY IN SECTION 1, TOWNSHIP 6 SOUTH, RANGE 16 EAST & SECTION 6, TOWNSHIP 6 SOUTH RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.



SYMBOL LEGEND:

■	4"X4" CONCRETE MONUMENT FOUND
□	4"X4" CONCRETE MONUMENT SET
●	IRON PIPE FOUND
○	IRON PIN AND CAP SET
×	"X" CUT IN PAVEMENT
+	CALCULATED PROPERTY CORNER
⊙	NAIL & DISK
⊕	POWER POLE
+	SIGN POST
▲	WATER METER
⊙	UTILITY BOX
✱	WELL
Ⓢ	SANITARY MANHOLE
℄	CENTERLINE
——	SECTION LINE
--E--	ELECTRIC LINES
--x--	WIRE FENCE
--o--	CHAIN LINK FENCE
--□--	WOODEN FENCE
(PLAT)	AS PER A PLAT OF RECORD
(DEED)	AS PER A DEED OF RECORD
(CALC.)	AS PER CALCULATIONS
(FIELD)	AS PER FIELD MEASUREMENTS
P.R.M.	PERMANENT REFERENCE MARKER
P.C.P.	PERMANENT CONTROL POINT

DESCRIPTION:
LOTS 42, 43, MEADOWLANDS PHASE 3, A SUBDIVISION AS RECORDED IN PLAT BOOK 8, PAGES 7-10, COLUMBIA, COUNTY, FLORIDA.

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD AND THE BEARING BASIS SHOWN HEREON.
3. IT IS APPARENT THAT THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 4 FEBRUARY, 2009 FIRM PANEL NUMBER 12023C0485C HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
7. DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF.
8. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
9. THE ADJACENT OWNERSHIP INFORMATION AS SHOWN HEREON IS BASED ON THE COUNTY PROPERTY APPRAISERS GIS SYSTEM, UNLESS OTHERWISE DENOTED.

CERTIFIED TO:
WAYNE A. & WANDA CLEMONS
SUMMIT TITLE & ESCROW,
A DIVISION OF FLORIDA HOMETOWN TITLE & ESCROW, LLC
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY

FIELD BOOK: 362 PAGE(S): 67

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

5/28/2019 FIELD SURVEY DATE
5/28/2019 DRAWING DATE
L. SCOTT BRITT, P.S.M. CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE ORIGINAL SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING & MAPPING, LLC
LAND SURVEYORS AND MAPPERS, L.B. # 8016
2086 SW MAIN BLVD. SUITE. 112, LAKE CITY, FLORIDA 32025
(386)752-7163 FAX (386)752-5573
www.brittsurvey.com

WORK ORDER # L-25860

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed $75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased with in 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address http://www.myfloridalicense.com/dbpr/for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

215 SW Colony Glen Lake City, FL 32024.

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual of firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of $300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of $100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

TYPE OF CONSTRUCTION

(✓) Single Family Dwelling ( ) Two-Family Residence ( ) Farm Outbuilding

( ) Addition, Alteration, Modification or other Improvement

( ) Commercial, Cost of Construction_____ for construction of_____

(✓) Other NEW

I Wayne Clemons, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

Wayne Clemons 7/17/19

Owner Builder Signature Date

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification _____

Notary Signature _____ Date 7/17/19

(Seal) LAURIE HODGES
MY COMMISSION # FF
EXPIRES July
Bonded Thru Notary Public

FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

Building Official/Representative_____

Revised: 7-1-15
DISCLOSURE STATEMENT 15
Documents: B&Z Forms

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1907-68 JOB NAME _____

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

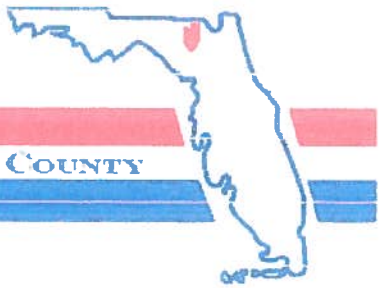
Violations will result in stop work orders and/or fines.

ELECTRICAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License#: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#_____	Print Name_____ Signature_____ Company Name:_____ License #: _____ Phone #:_____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

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

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:	**7/10/2019 7:53:35 PM**
Address:	**215 SW COLONY Gln**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32024**
Parcel ID	**03761-143**

REMARKS: Address for proposed structure on parcel.

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

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

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT
263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125
Email: gis@columbiacountyfla.com

ROUNDMAN'S PUMP REPAIR & WELL DRILLING
"SQUARE DEAL IN A ROUND HOLE"
14381 48th Street
Live Oak, FL 32060
(386)362-7365 Bus.
(386)362-8376 Mob.

July 18, 2019

RE: Intent to Drill
Wanda Cremons
215 Colony Glen
Lake City, FL

4" Well, 1HP Pump, 81 Gallon Tank with 1 ¼ Drop Pipe

Please feel free to contact our office if you should need any further information.

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAND OWNER AFFIDAVIT

This is to certify that I, (We), Bobbie Pizzagalli,

as the owner of the below described property:

Property tax Parcel ID number 01-6S-16-03761-143

Subdivision (Name, lot, Block, Phase) _____

Give my permission for _____ to place a

Circle one - Mobile Home / Travel Trailer / Utility Pole Only / Single Family Home / Barn – Shed – Garage / Culvert / Other _____

I (We) understand that the named person(s) above will be allowed to receive a building permit on the property number I (we) have listed above and this could result in an assessment for solid waste and fire protection services levied on this property.

Bobbie Pizzagalli 7-25-19
Owner Signature Date

_____ _____
Owner Signature Date

_____ _____
Owner Signature Date

Sworn to and subscribed before me this 25 day of July, 2019. This

(These) person(s) are personally known to me or produced ID Dr License
(Type)

Notary Public Signature Cena M McKnight
Notary Printed Name

Notary Stamp/

CELIA M. McKNIGHT
STATE OF TENNESSEE
NOTARY PUBLIC
SEVIER COUNTY

expires 3-1-2023

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.) 2,069 Total (Sq. Ft.) under roof 3,060	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: 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. **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	Jeld-WEN	ex. Door	FBC-HVA2
A. SWINGING			
B. SLIDING			FBC-AAMA
C. SECTIONAL/ROLL UP	Jeld-WEN	SG Door	
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Pella	double hung	FL11152 ✓
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			13192
A. SIDING	NICHI	HARDY Cement board	~~TAS 201-203~~
B. SOFFITS	NICHI	" " "	~~TAS 201-203~~
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER Metal	Capital Metal	26ga. metal	17992.1R2 ✓
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

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

NOTES: _____

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: Wayne_Clemmons - Wayne Clemmons

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

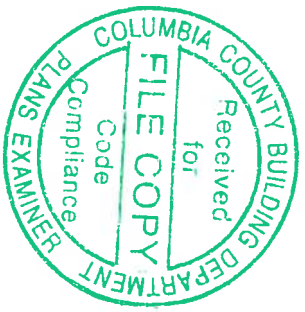
Site Information:
Customer Info: Wayne Clemons Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: Fl

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

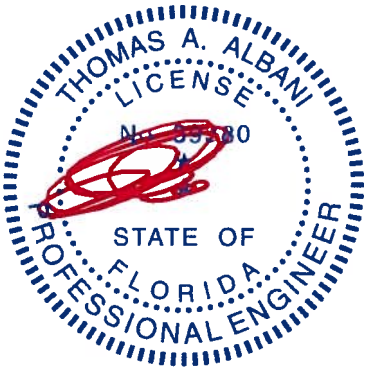
This package includes 38 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T17583458	A1GIR	7/12/19	23	T17583480	C3	7/12/19
2	T17583459	A2	7/12/19	24	T17583481	C4	7/12/19
3	T17583460	A3	7/12/19	25	T17583482	C5GIR	7/12/19
4	T17583461	A4	7/12/19	26	T17583483	CJ1	7/12/19
5	T17583462	A5	7/12/19	27	T17583484	CJ2	7/12/19
6	T17583463	A6	7/12/19	28	T17583485	E1FIR	7/12/19
7	T17583464	A7	7/12/19	29	T17583486	F1GIR	7/12/19
8	T17583465	A8	7/12/19	30	T17583487	J1	7/12/19
9	T17583466	A9	7/12/19	31	T17583488	J1A	7/12/19
10	T17583467	A10	7/12/19	32	T17583489	J1B	7/12/19
11	T17583468	A11	7/12/19	33	T17583490	J1C	7/12/19
12	T17583469	A12	7/12/19	34	T17583491	J2	7/12/19
13	T17583470	A13	7/12/19	35	T17583492	J2A	7/12/19
14	T17583471	B1GIR	7/12/19	36	T17583493	J3	7/12/19
15	T17583472	B2	7/12/19	37	T17583494	J4	7/12/19
16	T17583473	B3	7/12/19	38	T17583495	J4A	7/12/19
17	T17583474	B4	7/12/19				
18	T17583475	B5	7/12/19				
19	T17583476	B6	7/12/19				
20	T17583477	B7	7/12/19				
21	T17583478	C1GIR	7/12/19				
22	T17583479	C2	7/12/19				



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2021.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
July 12,2019

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

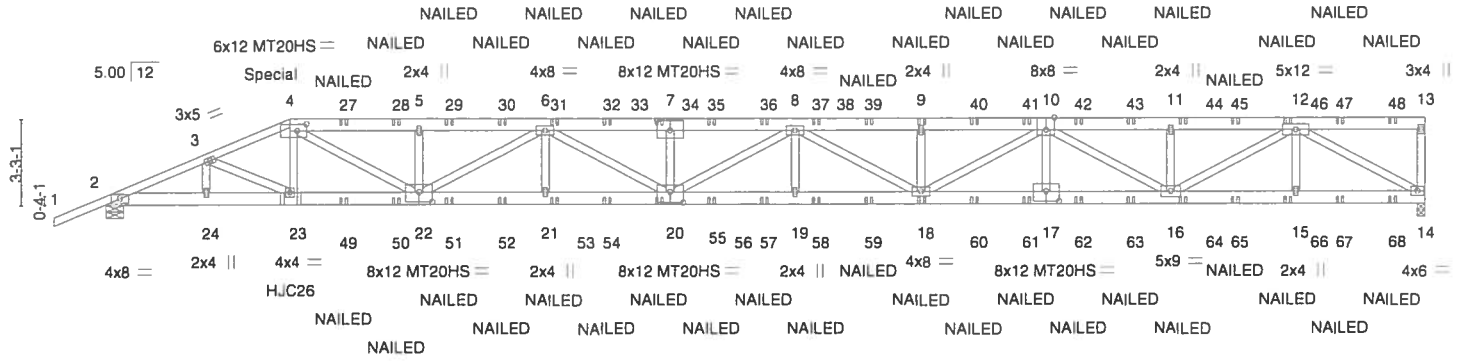
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A1GIR	Half Hip Girder	1	2	T17583458

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:01 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-jD7lln0inzt6VsrD182ZLKDES_LZxDQTwyp6Mryyt6a

-2-0-0	3-9-14	7-0-0	11-11-1	16-8-7	21-5-12	26-3-1	31-0-7	35-9-12	40-7-1	45-4-7	50-3-8
2-0-0	3-9-14	3-2-2	4-11-1	4-9-5	4-9-5	4-9-5	4-9-5	4-9-5	4-9-5	4-9-5	4-11-1

Scale = 1:88.1



BUILDING DESIGNER SHALL NOTE
MAGNITUDE OF CALCULATED DEFLECTIONS.

3-9-14	7-0-0	11-11-1	16-8-7	21-5-12	26-3-1	31-0-7	35-9-12	40-7-1	45-4-7	50-3-8
3-9-14	3-2-2	4-11-1	4-9-5	4-9-5	4-9-5	4-9-5	4-9-5	4-9-5	4-9-5	4-11-1

Plate Offsets (X,Y)-- [4:0-4-4,0-3-0], [7:0-6-0,0-4-8], [10:0-3-12,Edge], [17:0-6-0,0-4-8], [20:0-6-0,0-4-12], [22:0-6-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.95	19-20	>632	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-1.91	19-20	>315	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.28	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 685 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-4: 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-1 oc bracing.

REACTIONS. (lb/size) 14=4267/0-3-8, 2=4148/0-8-0
Max Horz 2=96(LC 22)
Max Uplift 14=-825(LC 8), 2=-793(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9838/1856, 3-4=-9972/1985, 4-5=-13916/2754, 5-6=-13911/2753, 6-7=-18713/3668, 7-8=-18713/3668, 8-9=-18000/3521, 9-10=-18000/3521, 10-11=-11794/2313, 11-12=-11794/2313, 13-14=-267/64
BOT CHORD 2-24=-1695/9053, 23-24=-1695/9053, 22-23=-1796/9235, 21-22=-3312/17116, 20-21=-3312/17116, 19-20=-3696/19154, 18-19=-3696/19154, 17-18=-3014/15673, 16-17=-3014/15673, 15-16=-1268/6677, 14-15=-1268/6677
WEBS 3-23=-259/310, 4-23=-141/757, 4-22=-1044/5441, 5-22=-747/175, 6-22=-3731/712, 6-21=-33/440, 6-20=-349/1874, 7-20=-512/126, 8-20=-532/106, 8-19=-30/431, 8-18=-1336/266, 9-18=-513/126, 10-18=-524/2696, 10-17=-27/420, 10-16=-4494/875, 11-16=-524/130, 12-16=-1147/5929, 12-15=-19/412, 12-14=-7643/1483

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=825, 2=793.
10) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent at 7-0-6 from the left end to connect truss(es) to back face of bottom chord.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: July 12,20

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

NOTES-

11) Fill all nail holes where hanger is in contact with lumber.
12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 139 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-13=-60, 2-14=-20
   Concentrated Loads (lb)
   Vert: 4=-175(B) 23=-324(B) 9=-121(B) 18=-59(B) 27=-121(B) 28=-121(B) 29=-121(B) 30=-121(B) 31=-121(B) 32=-121(B) 34=-121(B) 35=-121(B) 36=-121(B) 37=-121(B) 39=-121(B) 40=-121(B) 41=-121(B) 42=-121(B) 43=-121(B) 44=-121(B) 45=-121(B) 46=-121(B) 47=-121(B) 48=-121(B) 49=-59(B) 50=-59(B) 51=-59(B) 52=-59(B) 53=-59(B) 54=-59(B) 55=-59(B) 56=-59(B) 57=-59(B) 58=-59(B) 59=-59(B) 60=-59(B) 61=-59(B) 62=-59(B) 63=-59(B) 64=-59(B) 65=-59(B) 66=-59(B) 67=-59(B) 68=-59(B)

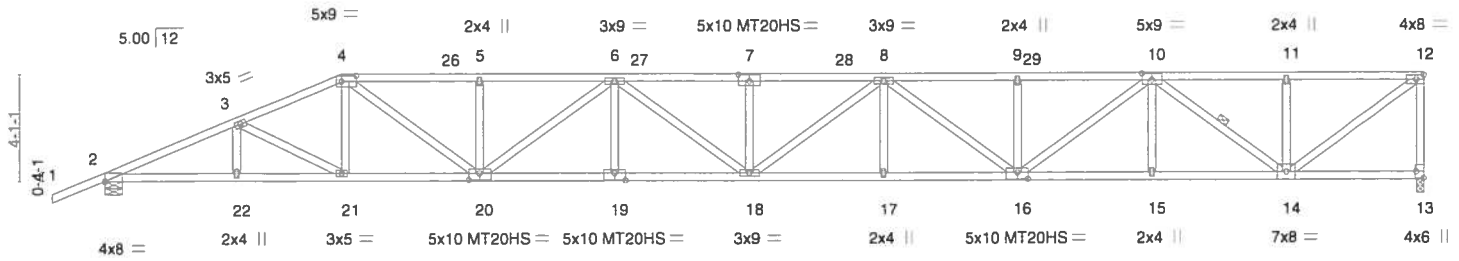
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons	T17583459
WAYNE_CLEMMONS	A2	Half Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:02 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-BPhgW70KYG?z60QPbsaotXmOHOeUgiYd9cZfulyyt6Z

-2-0-0	5-0-5	9-0-0	14-3-4	19-4-12	24-6-4	29-7-12	34-9-4	39-10-12	45-0-4	50-3-8
2-0-0	5-0-5	3-11-11	5-3-4	5-1-8	5-1-8	5-1-8	5-1-8	5-1-8	5-1-8	5-3-4

Scale = 1:88.1

BUILDING DESIGNER SHALL NOTE
MAGNITUDE OF CALCULATED DEFLECTIONS.



5-0-5	9-0-0	14-3-4	19-4-12	24-6-4	29-7-12	34-9-4	39-10-12	45-0-4	50-3-8
5-0-5	3-11-11	5-3-4	5-1-8	5-1-8	5-1-8	5-1-8	5-1-8	5-1-8	5-3-4

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [4:0-6-12,0-2-8], [7:0-5-0,0-3-0], [10:0-4-8,0-3-0], [13:Edge,0-3-8], [16:0-4-12,0-3-0], [19:0-5-0,0-3-4], [20:0-4-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.82	18	>731	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-1.65	17-18	>365	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.35	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 281 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
16-19,19-20: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 10-14

REACTIONS. (lb/size) 13=2003/0-3-8, 2=2128/0-8-0
Max Horz 2=125(LC 11)
Max Uplift 2=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4607/917, 3-4=-4265/882, 4-5=-5406/1129, 5-6=-5406/1129, 6-7=-6634/1362, 7-8=-6634/1362, 8-9=-5656/1166, 9-10=-5656/1166, 10-11=-2470/541, 11-12=-2470/541, 12-13=-1948/422
BOT CHORD 2-22=-1006/4200, 21-22=-1006/4200, 20-21=-901/3916, 19-20=-1339/6300, 18-19=-1339/6300, 17-18=-1336/6426, 16-17=-1336/6426, 15-16=-903/4339, 14-15=-903/4339
WEBS 3-21=-341/119, 4-21=-6/326, 4-20=-355/1837, 5-20=-317/148, 6-20=-1112/214, 6-18=-76/416, 7-18=-303/141, 8-18=-67/259, 8-16=-958/204, 9-16=-305/141, 10-16=-336/1639, 10-14=-2326/470, 11-14=-322/154, 12-14=-608/3033

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
July 12,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A3	Roof Special	1	1	T17583460
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:04 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-7opQxp2b4uFhMJaoiHcGzyribBKq8cqwdw2myAyyt6X

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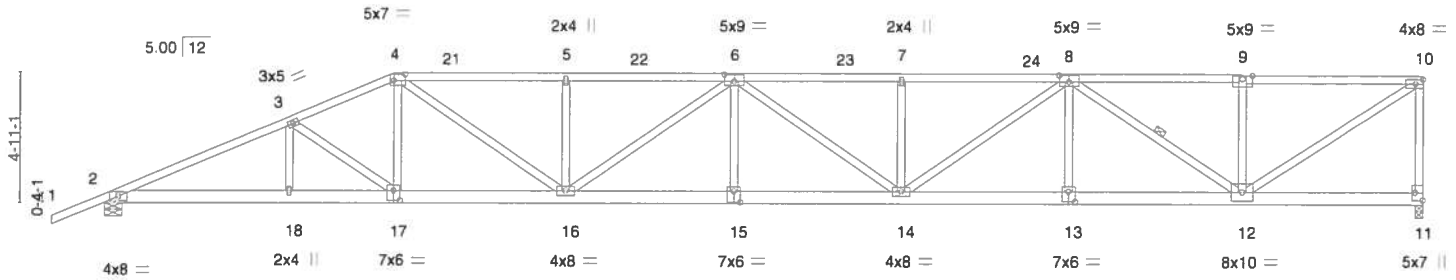


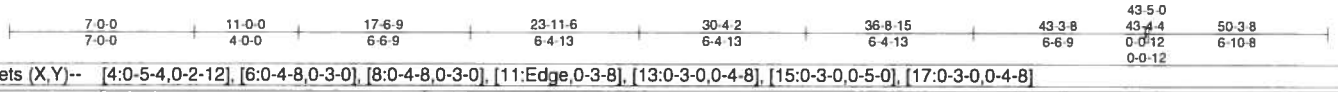


Plate Offsets (X,Y)-- [4:0-5-4,0-2-12], [6:0-4-8,0-3-0], [8:0-4-8,0-3-0], [11:Edge,0-3-8], [13:0-3-0,0-4-8], [15:0-3-0,0-5-0], [17:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.54	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-1.08	14-15	>559	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.21	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 318 lb	FT = 0%

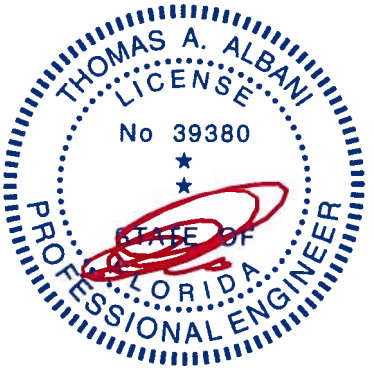
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-6: 2x4 SP No.1
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-12

REACTIONS. (lb/size) 11=2003/0-3-8, 2=2128/0-8-0
Max Horz 2=147(LC 11)
Max Uplift 2=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4637/937, 3-4=-4172/888, 4-5=-5061/1083, 5-6=-5061/1083, 6-7=-5310/1119, 7-8=-5310/1119, 8-9=-2645/585, 9-10=-2645/584, 10-11=-1926/430
BOT CHORD 2-18=-1047/4221, 17-18=-1047/4221, 16-17=-904/3803, 15-16=-1205/5556, 14-15=-1205/5556, 13-14=-935/4382, 12-13=-936/4382
WEBS 3-17=-514/176, 4-17=-44/449, 4-16=-292/1615, 5-16=-409/189, 6-16=-687/113, 6-15=0/263, 6-14=-302/86, 7-14=-375/174, 8-14=-245/1138, 8-13=0/263, 8-12=-2110/447, 10-12=-617/3113, 9-12=-402/189

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

July 12,20

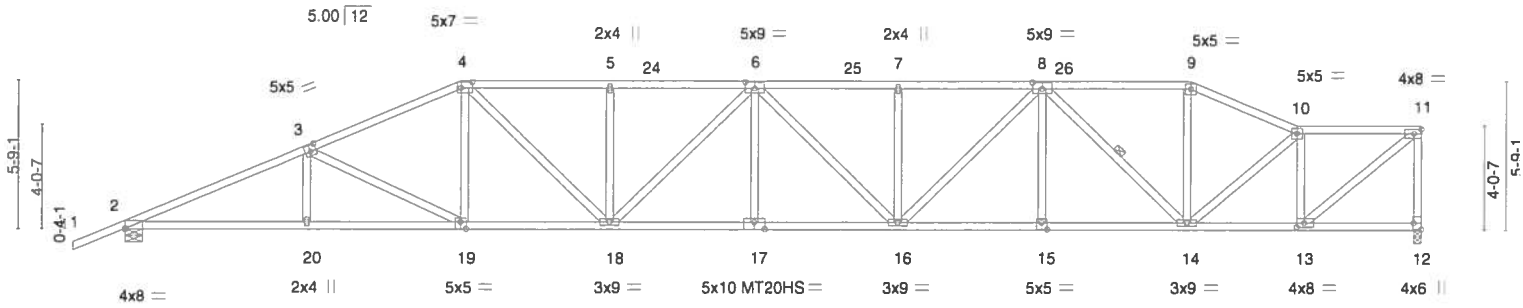
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A4	Roof Special	1	1	T17583461

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:06 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-3BxBLU4rcVVPbdkBqiek2Nw4O??rcXRD4EXt13yyt6V

-2-0-0	7-0-0	13-0-0	18-8-15	24-4-2	29-11-6	35-6-9	41-3-8	45-5-0	50-3-8
2-0-0	7-0-0	6-0-0	5-8-15	5-7-3	5-7-3	5-7-3	5-8-15	4-1-8	4-10-8

Scale = 1:89.6



7-0-0	13-0-0	18-8-15	24-4-2	29-11-6	35-6-9	41-3-8	45-5-0	50-3-8
7-0-0	6-0-0	5-8-15	5-7-3	5-7-3	5-7-3	5-8-15	4-1-8	4-10-8

Plate Offsets (X,Y)-- [2:0-0-0,0-0-4], [3:0-2-8,0-3-0], [4:0-5-4,0-2-12], [6:0-4-8,0-3-0], [8:0-4-8,0-3-0], [12:Edge,0-3-8], [13:0-3-8,0-2-0], [15:0-2-8,0-3-4], [17:0-5-0,0-3-4], [19:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.48	17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.96	17-18	>625	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.28	12	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 296 lb	FT = 0%

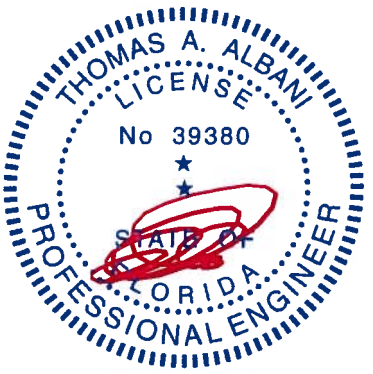
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-19: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-14

REACTIONS. (lb/size) 12=2003/0-3-8, 2=2128/0-8-0
Max Horz 2=154(LC 11)
Max Uplift 2=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4541/938, 3-4=-3924/859, 4-5=-4332/976, 5-6=-4332/976, 6-7=-4453/994, 7-8=-4453/994, 8-9=-2731/651, 9-10=-2977/671, 10-11=-2238/510, 11-12=-1948/432
BOT CHORD 2-20=-1003/4127, 19-20=-1005/4124, 18-19=-809/3553, 17-18=-995/4622, 16-17=-995/4622, 15-16=-819/3831, 14-15=-819/3831, 13-14=-510/2306
WEBS 3-20=0/259, 3-19=-640/220, 4-19=-30/455, 4-18=-203/1182, 5-18=-358/157, 6-18=-496/76, 6-16=-280/62, 7-16=-331/152, 8-16=-183/912, 8-14=-1588/318, 9-14=-113/830, 10-14=-106/622, 10-13=-1730/437, 11-13=-589/2845

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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July 12,20

MiTek
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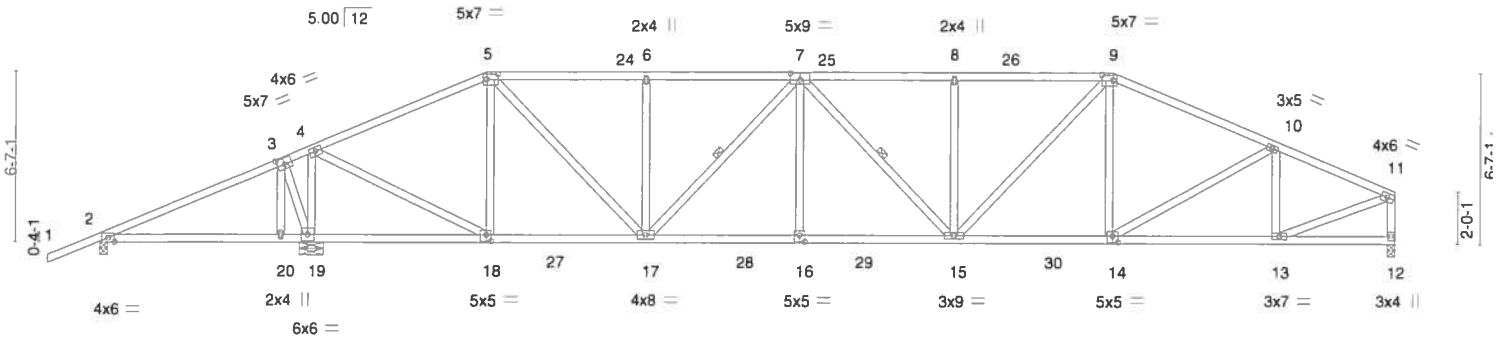
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A5	Hip	1	1	T17583462
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:07 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-XNUZZq4TMpdGDnJNOP9zaaTF4PPUL?rMJuGQZVyyt6U

-2-0-0	7-0-0	8-2-7	15-0-0	21-1-12	27-1-12	33-1-12	39-3-8	45-7-8	50-3-8
2-0-0	7-0-0	1-2-7	6-9-9	6-1-12	6-0-0	6-0-0	6-1-12	6-4-0	4-8-0

Scale = 1:89.7



7-0-0	8-2-7	15-0-0	21-1-12	27-1-12	33-1-12	39-3-8	45-7-8	50-3-8
7-0-0	1-2-7	6-9-9	6-1-12	6-0-0	6-0-0	6-1-12	6-4-0	4-8-0

Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [5:0-5-4,0-2-8], [7:0-4-8,0-3-0], [9:0-5-4,0-2-8], [14:0-2-8,0-3-0], [16:0-2-8,0-3-0], [18:0-2-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.17	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.35	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 299 lb	FT = 0%

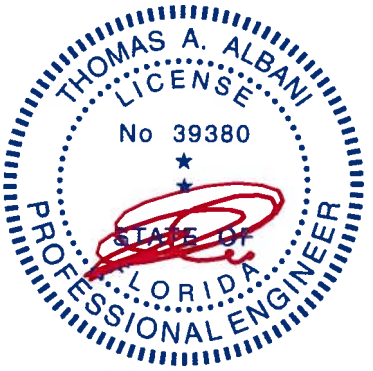
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-17, 7-15

REACTIONS. (lb/size) 2=12/0-3-8, 19=2530/0-11-5, 12=1590/0-3-8
Max Horz 2=144(LC 11)
Max Uplift 2=-212(LC 22), 19=-69(LC 12)
Max Grav 2=43(LC 21), 19=2530(LC 1), 12=1590(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-168/1041, 3-4=-226/1071, 4-5=-1233/314, 5-6=-2027/525, 6-7=-2027/525, 7-8=-2517/629, 8-9=-2517/629, 9-10=-2288/546, 10-11=-1995/457, 11-12=-1544/356
BOT CHORD 2-20=-924/145, 19-20=-925/151, 18-19=-1011/278, 17-18=-143/1108, 16-17=-436/2508, 15-16=-436/2508, 14-15=-363/2027, 13-14=-384/1802
WEBS 3-19=-419/403, 4-19=-2094/494, 4-18=-440/2295, 5-18=-911/279, 5-17=-277/1407, 6-17=-387/165, 7-17=-726/144, 7-16=0/277, 8-15=-387/167, 9-15=-121/771, 10-14=0/397, 10-13=-578/213, 11-13=-383/1875

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=212.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
July 12,20

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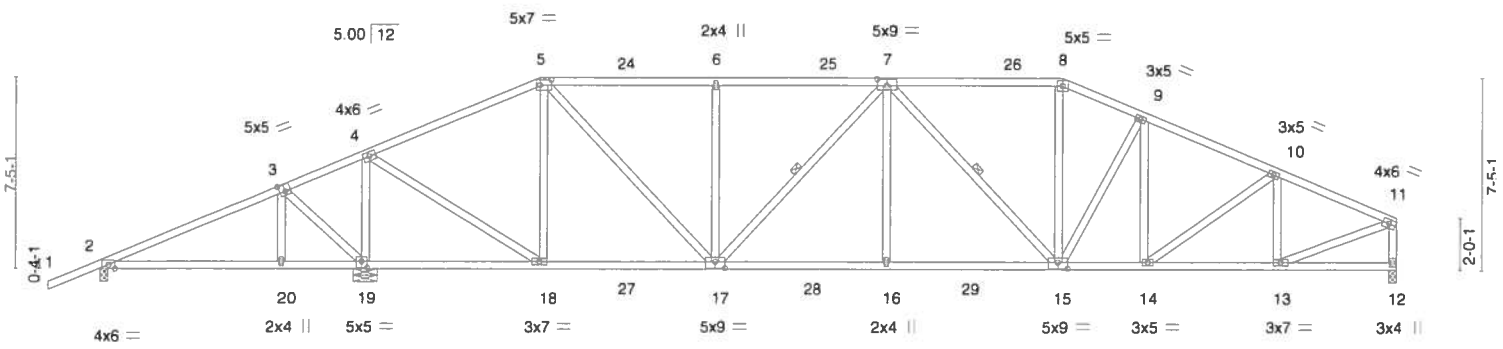
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons	
WAYNE_CLEMMONS	A6	Hip	1	1	Job Reference (optional)	T17583463

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:09 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-UlcJ_W6juQtzS5SmVqCRg?YeuC5epsrfmCIXeOyyt6S

-2-0-0	7-0-0	10-3-3	17-0-0	23-9-12	30-5-12	37-3-8	40-5-8	45-7-8	50-3-8
2-0-0	7-0-0	3-3-3	6-8-13	6-9-12	6-8-0	6-9-12	3-2-0	5-2-0	4-8-0

Scale = 1:89.7



7-0-0	10-3-3	17-0-0	23-9-12	30-5-12	37-3-8	40-5-8	45-7-8	50-3-8
7-0-0	3-3-3	6-8-13	6-9-12	6-8-0	6-9-12	3-2-0	5-2-0	4-8-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-5-4,0-2-8], [7:0-4-8,0-3-0], [15:0-4-8,0-3-0], [17:0-4-8,0-3-0], [19:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.14	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.29	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 307 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-17, 7-15

REACTIONS. (lb/size) 2=182/0-3-8, 19=2438/0-11-1, 12=1511/0-3-8
Max Horz 2=159(LC 11)
Max Uplift 2=-132(LC 12), 19=-93(LC 12)
Max Grav 2=218(LC 21), 19=2438(LC 1), 12=1511(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-32/661, 3-4=-229/890, 4-5=-1105/287, 5-6=-1783/479, 6-7=-1783/479, 7-8=-1875/517, 8-9=-2044/536, 9-10=-2132/522, 10-11=-1881/433, 11-12=-1463/343
BOT CHORD 2-20=-602/26, 19-20=-604/31, 18-19=-739/273, 17-18=-78/967, 16-17=-331/2094, 15-16=-331/2094, 14-15=-352/1895, 13-14=-358/1693
WEBS 3-19=-462/388, 4-19=-2029/528, 4-18=-384/1941, 5-18=-888/289, 5-17=-257/1240, 6-17=-423/183, 7-17=-511/111, 7-16=0/342, 7-15=-494/51, 8-15=-73/528, 10-14=0/307, 10-13=-540/197, 11-13=-351/1751

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=132.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

July 12,20

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A7	Roof Special	1	1	T17583464

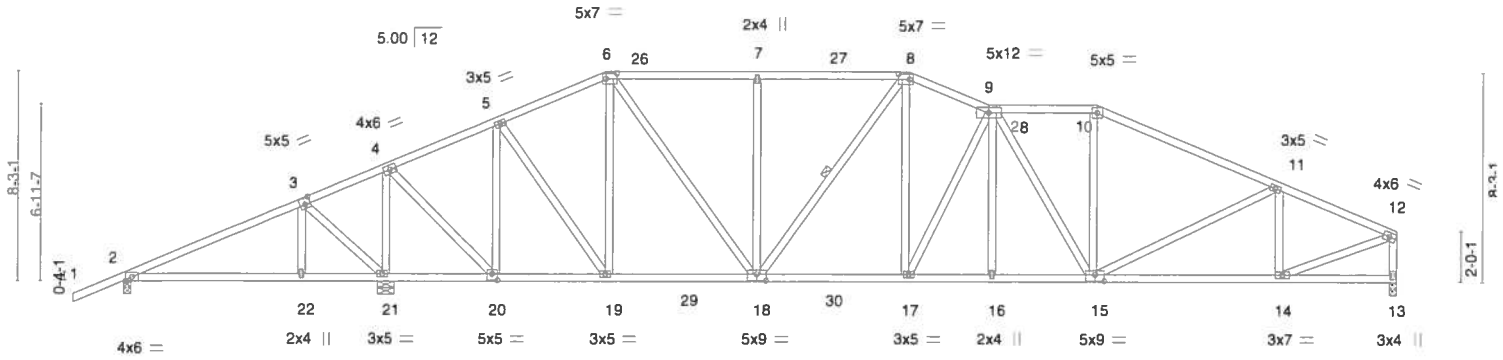
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:11 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-Q8k4PC7_Q17hhOc8dFEvlQdzQ0olHm0yEWEeiGyyt6Q

-2-0-0	7-0-0	10-4-0	14-8-0	19-0-0	25-0-0	31-0-0	34-1-8	38-5-0	45-7-8	50-3-8
2-0-0	7-0-0	3-4-0	4-4-0	4-4-0	6-0-0	6-0-0	3-1-8	4-3-8	7-2-8	4-8-0

Scale = 1:91.2



7-0-0	10-4-0	14-8-0	19-0-0	25-0-0	31-0-0	34-1-8	38-5-0	45-7-8	50-3-8
7-0-0	3-4-0	4-4-0	4-4-0	6-0-0	6-0-0	3-1-8	4-3-8	7-2-8	4-8-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [6:0-5-4,0-2-8], [8:0-5-4,0-2-8], [15:0-4-8,0-3-0], [18:0-4-8,0-3-0], [20:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.12	16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.25	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 330 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-18

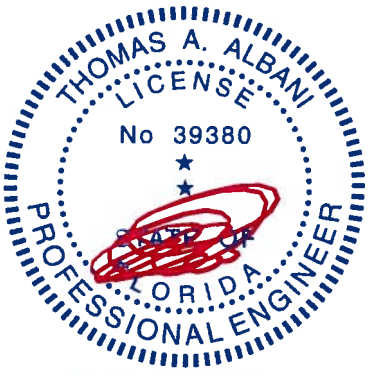
REACTIONS. (lb/size) 2=206/0-3-8, 21=2421/0-8-0, 13=1505/0-3-8
Max Horz 2=174(LC 11)
Max Uplift 2=-132(LC 12), 21=-98(LC 12)
Max Grav 2=272(LC 21), 21=2421(LC 1), 13=1505(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-22/570, 3-4=-237/871, 4-5=-587/173, 5-6=-1183/357, 6-7=-1609/480, 7-8=-1609/480, 8-9=-1956/540, 9-10=-1864/524, 10-11=-2102/517, 11-12=-1897/441, 12-13=-1465/339
BOT CHORD	2-22=-525/17, 21-22=-527/22, 20-21=-788/310, 19-20=-10/566, 18-19=-95/1067, 17-18=-272/1795, 16-17=-362/2078, 15-16=-362/2079, 14-15=-372/1716
WEBS	3-21=-527/414, 4-21=-2011/502, 4-20=-402/1831, 5-20=-1235/343, 5-19=-150/902, 6-19=-619/184, 6-18=-215/998, 7-18=-404/182, 8-18=-340/80, 8-17=-133/744, 9-17=-673/214, 9-15=-442/71, 10-15=-10/454, 11-14=-531/219, 12-14=-373/1797

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21 except (jt=lb) 2=132.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

July 12,20

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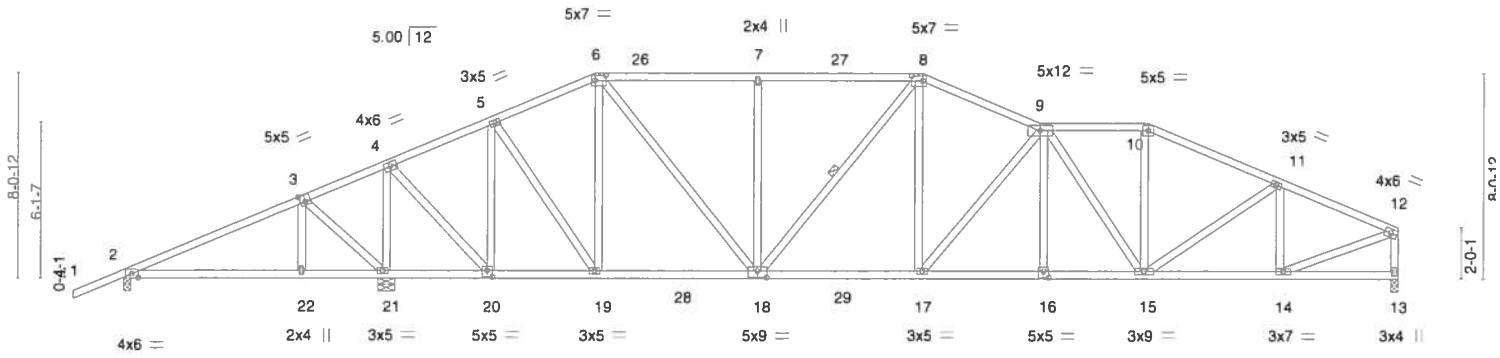
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A8	Roof Special	1	1	T17583465
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:12 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-uKIScY8cBLFYJYBKAyl8HeA9yQ8h0D75SA_BEjyyt6P

-2-0-0	7-0-0	10-4-0	14-5-4	18-6-8	25-0-0	31-5-8	36-1-8	40-5-0	45-7-8	50-3-8
2-0-0	7-0-0	3-4-0	4-1-4	4-1-4	6-5-8	6-5-8	4-8-0	4-3-8	5-2-8	4-8-0

Scale = 1:91.2



7-0-0	10-4-0	14-5-4	18-6-8	25-0-0	31-5-8	36-1-8	40-5-0	45-7-8	50-3-8
7-0-0	3-4-0	4-1-4	4-1-4	6-5-8	6-5-8	4-8-0	4-3-8	5-2-8	4-8-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [6:0-5-4,0-2-8], [8:0-5-4,0-2-8], [16:0-2-8,0-3-0], [18:0-4-8,0-3-0], [20:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.13	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.27	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 323 lb	FT = 0%

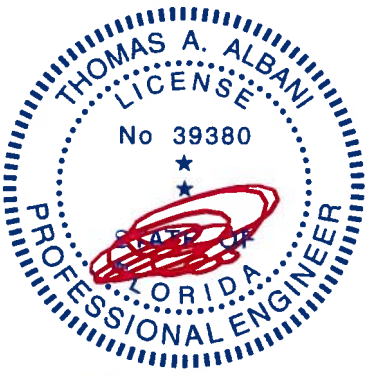
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 8-18

REACTIONS. (lb/size) 2=187/0-3-8, 21=2444/0-8-0, 13=1500/0-3-8
Max Horz 2=170(LC 11)
Max Uplift 2=-131(LC 12), 21=-98(LC 12)
Max Grav 2=257(LC 21), 21=2444(LC 1), 13=1500(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-32/614, 3-4=-247/920, 4-5=-510/153, 5-6=-1133/339, 6-7=-1643/480, 7-8=-1643/480, 8-9=-2021/535, 9-10=-1893/511, 10-11=-2101/517, 11-12=-1864/431, 12-13=-1451/341
BOT CHORD 2-22=-569/26, 21-22=-571/31, 20-21=-834/319, 19-20=0/495, 18-19=-85/1022, 17-18=-284/1833, 16-17=-420/2270, 15-16=-419/2272, 14-15=-357/1676
WEBS 3-21=-530/415, 4-21=-2034/504, 4-20=-404/1840, 5-20=-1286/347, 5-19=-165/968, 6-19=-676/200, 6-18=-230/1064, 7-18=-437/195, 8-18=-332/81, 8-17=-103/707, 9-17=-707/223, 9-15=-654/128, 10-15=-60/511, 11-15=0/276, 11-14=-536/196, 12-14=-350/1732

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21 except (jt=lb) 2=131.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

July 12,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A9	Roof Special	1	1	T17583466

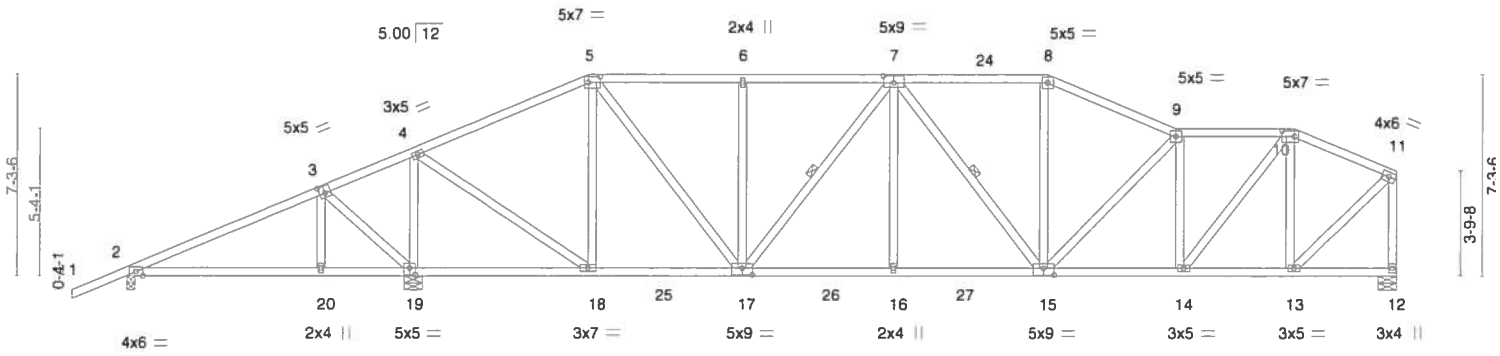
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:14 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-qjQC1DAsjyWGYsLjINncN3FVNDrfU8xOwTTIJbyyt6N

-2-0-0	7-0-0	10-4-0	16-8-0	22-3-4	27-8-12	33-4-0	38-0-0	42-3-8	46-0-0
2-0-0	7-0-0	3-4-0	6-4-0	5-7-4	5-5-8	5-7-4	4-8-0	4-3-8	3-8-8

Scale = 1:83.7



7-0-0	10-4-0	16-8-0	22-3-4	27-8-12	33-4-0	38-0-0	42-3-8	46-0-0
7-0-0	3-4-0	6-4-0	5-7-4	5-5-8	5-7-4	4-8-0	4-3-8	3-8-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-8], [7:0-4-8,0-3-0], [10:0-5-4,0-2-8], [15:0-4-8,0-3-0], [17:0-4-8,0-3-0], [19:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.10	20-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.19	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 293 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 7-17, 7-15

REACTIONS. (lb/size) 2=257/0-3-8, 19=2185/0-8-0, 12=1346/0-8-0
Max Horz 2=177(LC 11)
Max Uplift 2=-130(LC 12), 19=-97(LC 12)
Max Grav 2=290(LC 21), 19=2185(LC 1), 12=1346(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

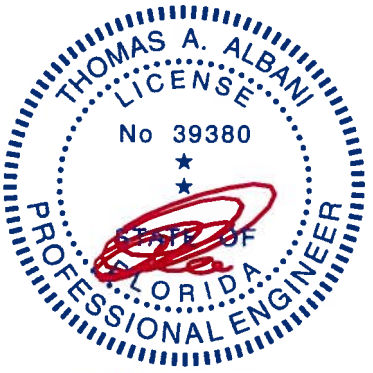
TOP CHORD 2-3=-50/464, 3-4=-253/709, 4-5=-962/249, 5-6=-1421/395, 6-7=-1421/395, 7-8=-1564/441, 8-9=-1721/442, 9-10=-1599/413, 10-11=-1005/270, 11-12=-1309/300

BOT CHORD 2-20=-423/0, 19-20=-425/0, 18-19=-575/235, 17-18=-124/830, 16-17=-315/1675, 15-16=-315/1675, 14-15=-350/1623, 13-14=-200/870

WEBS 3-19=-472/394, 4-19=-1775/495, 4-18=-351/1638, 5-18=-784/271, 5-17=-207/1006, 6-17=-346/146, 7-17=-446/99, 7-16=0/275, 7-15=-330/21, 8-15=-18/373, 9-14=-805/232, 10-14=-229/1150, 10-13=-759/218, 11-13=-239/1211

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=130.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A10	Roof Special	1	1	T17583467
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:57:49 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-3vPmngsAcHMp20xwKdrlsojA28GD7otiA4vTwYyyt6m

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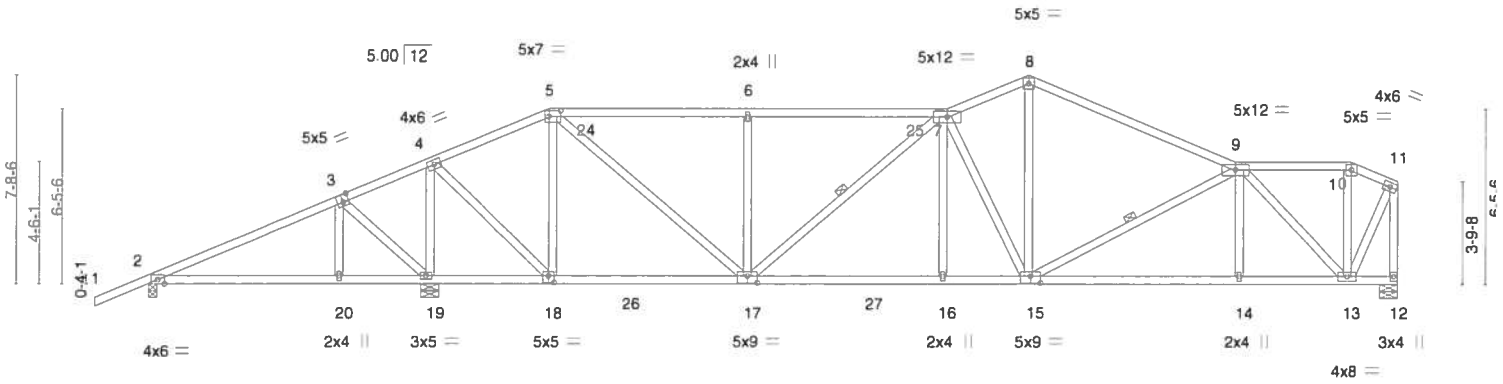
2-0-0	7-0-0	3-4-0	4-4-0	7-4-0	7-4-0	3-0-0	7-8-0	4-3-8	1-8-8

Scale = 1:85.2



7-0-0	10-4-0	14-8-0	22-0-0	29-4-0	32-4-0	40-0-0	44-3-8	46-0-0
7-0-0	3-4-0	4-4-0	7-4-0	7-4-0	3-0-0	7-8-0	4-3-8	1-8-8

Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [5:0-5-4,0-2-8], [15:0-4-8,0-3-0], [17:0-4-8,0-3-0], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.73	Vert(LL)	-0.12	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.28	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 285 lb	FT = 0%

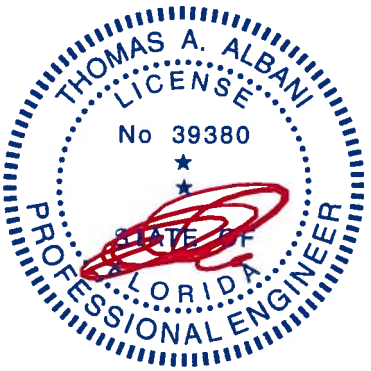
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-17, 9-15

REACTIONS. (lb/size) 2=191/0-3-8, 19=2279/0-8-0, 12=1318/0-8-0
Max Horz 2=185(LC 11)
Max Uplift 2=-131(LC 12), 19=-99(LC 12)
Max Grav 2=235(LC 21), 19=2279(LC 1), 12=1318(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-80/601, 3-4=-293/913, 4-5=-518/136, 5-6=-1480/396, 6-7=-1480/396, 7-8=-1590/452, 8-9=-1667/429, 9-10=-508/177, 10-11=-565/184, 11-12=-1282/296
BOT CHORD 2-20=-555/8, 19-20=-557/13, 18-19=-828/300, 17-18=-43/448, 16-17=-364/1786, 15-16=-366/1784, 14-15=-357/1565, 13-14=-355/1570
WEBS 3-20=-164/255, 3-19=-536/413, 4-19=-1878/478, 4-18=-379/1723, 5-18=-1095/343, 5-17=-314/1424, 6-17=-501/229, 7-17=-400/105, 7-15=-793/180, 8-15=-142/850, 9-14=0/279, 9-13=-1513/317, 11-13=-240/1141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=131.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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July 12,20

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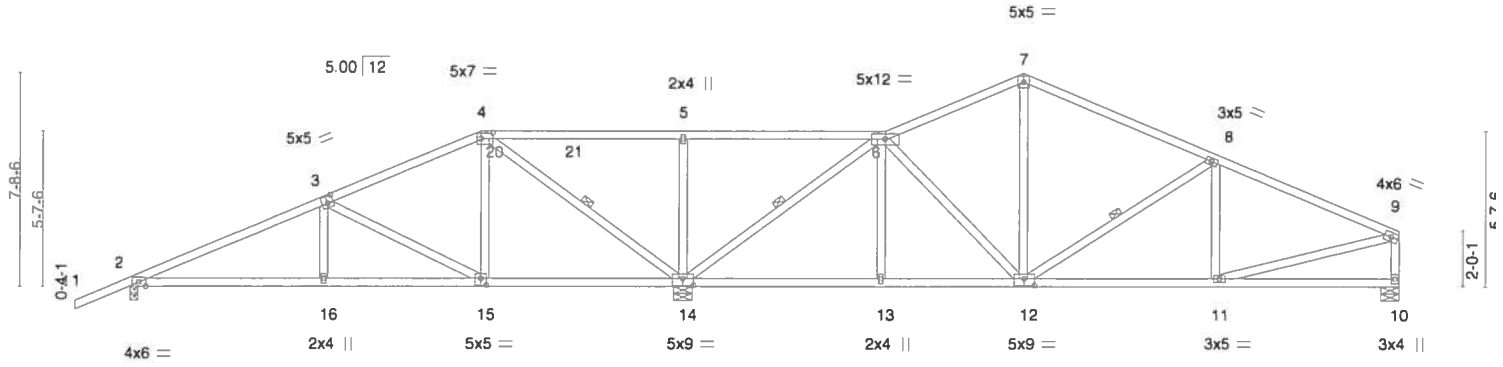
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A11	Roof Special	1	1	T17583468
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:57:50 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-X6z8?0toNaUggAV6uLM_O?GL9Yf3sKqsOkf1T_yyt6I

-2-0-0	7-0-0	12-8-0	20-0-0	27-4-0	32-4-0	39-4-0	46-0-0
2-0-0	7-0-0	5-8-0	7-4-0	7-4-0	5-0-0	7-0-0	6-8-0

Scale = 1:83.7



7-0-0	12-8-0	20-0-0	27-4-0	32-4-0	39-4-0	46-0-0
7-0-0	5-8-0	7-4-0	7-4-0	5-0-0	7-0-0	6-8-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-5-4,0-2-8], [12:0-4-8,0-3-0], [14:0-4-8,0-3-0], [15:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.12	16-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	16-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 256 lb	FT = 0%

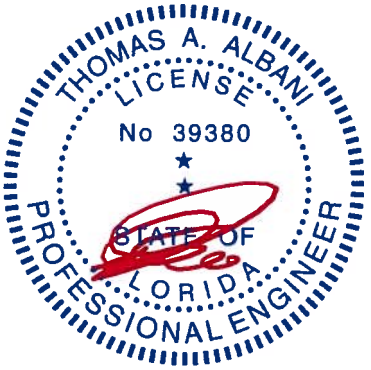
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 6-14, 8-12

REACTIONS. (lb/size) 2=679/0-3-8, 14=2265/0-8-0, 10=843/0-8-0
Max Horz 2=162(LC 11)
Max Uplift 2=-196(LC 12), 14=-218(LC 12)
Max Grav 2=710(LC 21), 14=2265(LC 1), 10=843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-923/643, 3-4=-298/310, 4-5=-316/838, 5-6=-316/838, 6-7=-686/192, 7-8=-719/183, 8-9=-1069/218, 9-10=-781/185
BOT CHORD 2-16=-612/793, 15-16=-607/788, 13-14=0/407, 12-13=0/404, 11-12=-138/925
WEBS 3-16=-149/262, 3-15=-659/496, 4-15=-387/480, 4-14=-1204/753, 5-14=-501/227, 6-14=-1520/392, 6-12=-142/280, 8-12=-435/195, 9-11=-98/855

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=196, 14=218.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

July 12,20

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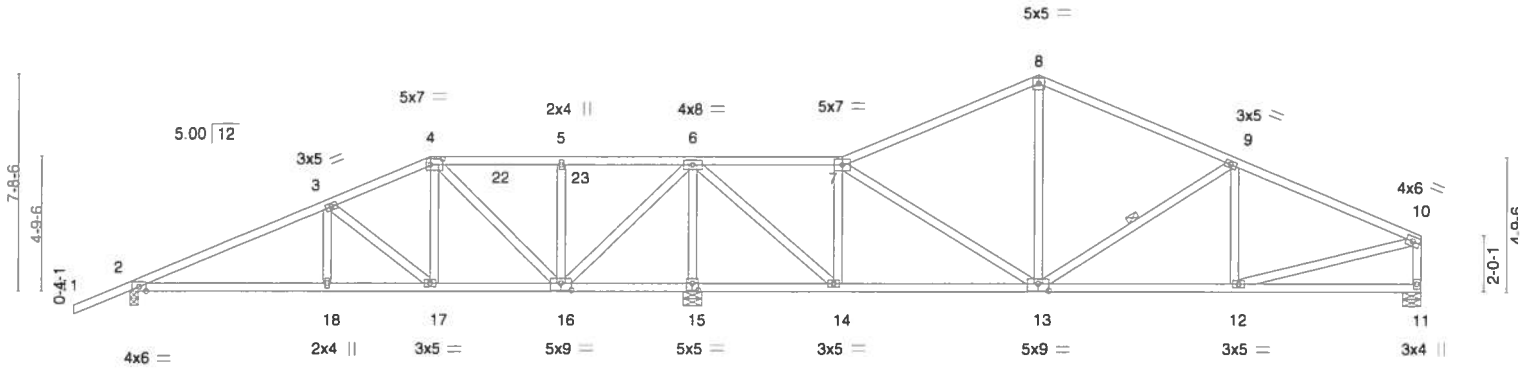
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons T17583469
WAYNE_CLEMMONS	A12	Roof Special	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:57:52 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-UU4uPiv3vCkOvTfU?IOSTQLIEMLSKBR9s287Xtyyt6j

-2-0-0	7-0-0	10-8-0	15-4-0	20-0-0	25-4-0	32-4-0	39-4-0	46-0-0
2-0-0	7-0-0	3-8-0	4-8-0	4-8-0	5-4-0	7-0-0	7-0-0	6-8-0

Scale = 1:82.3



7-0-0	10-8-0	15-4-0	20-0-0	25-4-0	32-4-0	39-4-0	46-0-0
7-0-0	3-8-0	4-8-0	4-8-0	5-4-0	7-0-0	7-0-0	6-8-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [13:0-4-8,0-3-0], [15:0-2-8,0-3-0], [16:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.12	18-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	18-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 260 lb	FT = 0%

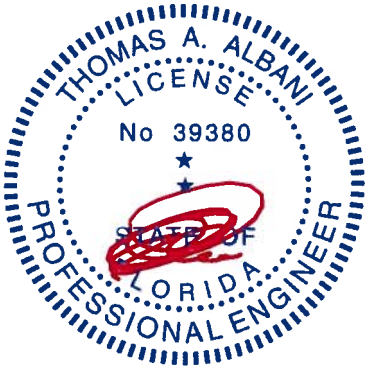
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 9-13

REACTIONS. (lb/size) 2=722/0-3-8, 15=2191/0-8-0, 11=876/0-8-0
Max Horz 2=162(LC 11)
Max Uplift 2=-204(LC 12), 15=-205(LC 12)
Max Grav 2=746(LC 21), 15=2191(LC 1), 11=876(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1012/693, 3-4=-543/460, 6-7=-352/1, 7-8=-784/217, 8-9=-790/220, 9-10=-1116/248, 10-11=-812/205
BOT CHORD 2-18=-659/874, 17-18=-659/874, 16-17=-338/460, 15-16=-865/451, 14-15=-865/451, 13-14=0/335, 12-13=-164/967
WEBS 3-17=-539/419, 4-17=-321/390, 4-16=-608/350, 5-16=-290/135, 6-16=-709/1150, 6-15=-2083/875, 6-14=-384/1499, 7-14=-865/340, 7-13=-164/422, 8-13=0/263, 9-13=-418/182, 10-12=-125/894

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=204, 15=205.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
July 12,20

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	A13	Roof Special	1	1	T17583470
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:57:53 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-ygeGd2vhfVsFXdEhZTvh0euwNlhk3gJI5ith3Jyyt6i

-2-0-0	7-0-0	8-8-0	14-4-0	20-0-0	23-4-0	25-4-0	32-4-0	39-4-0	46-0-0
2-0-0	7-0-0	1-8-0	5-8-0	5-8-0	3-4-0	2-0-0	7-0-0	7-0-0	6-8-0

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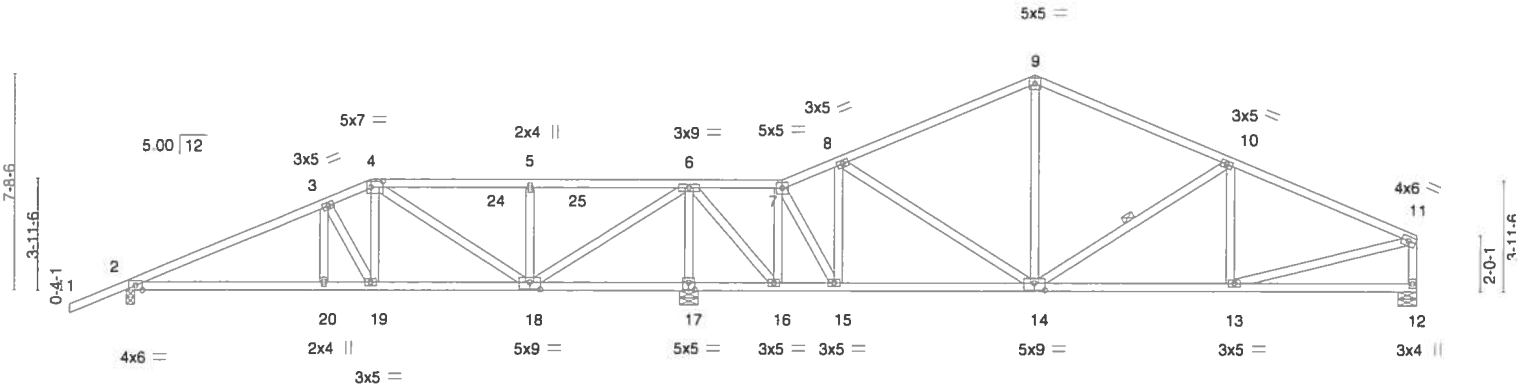

7-0-0	8-8-0	14-4-0	20-0-0	23-4-0	25-4-0	32-4-0	39-4-0	46-0-0
7-0-0	1-8-0	5-8-0	5-8-0	3-4-0	2-0-0	7-0-0	7-0-0	6-8-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [14:0-4-8,0-3-0], [17:0-2-8,0-3-0], [18:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	0.12	20-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	20-23	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 263 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 10-14

REACTIONS. (lb/size) 2=751/0-3-8, 17=2139/0-8-0, 12=899/0-8-0
Max Horz 2=162(LC 11)
Max Uplift 2=-206(LC 12), 17=-201(LC 12)
Max Grav 2=770(LC 21), 17=2139(LC 1), 12=899(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1078/717, 3-4=-806/622, 4-5=-330/366, 5-6=-330/366, 7-8=-475/33, 8-9=-831/238, 9-10=-834/240, 10-11=-1152/264, 11-12=-835/216
BOT CHORD 2-20=-688/935, 19-20=-688/935, 18-19=-511/714, 17-18=-896/444, 16-17=-896/444, 14-15=0/454, 13-14=-182/1001
WEBS 3-19=-455/364, 4-19=-347/419, 4-18=-493/276, 5-18=-365/168, 6-18=-830/1368, 6-17=-2015/821, 6-16=-298/1269, 7-16=-971/269, 7-15=-320/911, 8-15=-676/342, 8-14=-111/329, 9-14=0/292, 10-14=-412/180, 11-13=-143/929

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=206, 17=201.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
July 12,20

MiTek
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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B1GIR	Hip Girder	1	2	T17583471

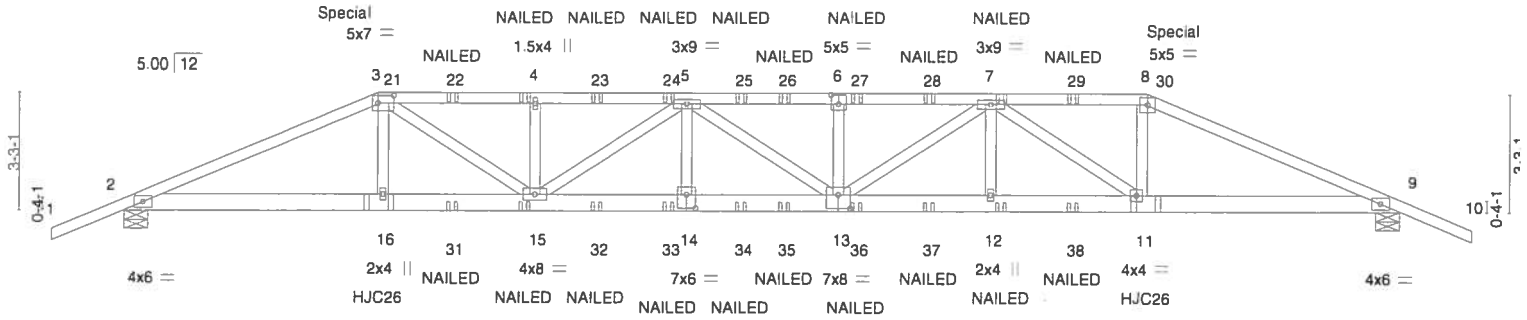
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:18 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-jUfjtbDNnB0i1TeUXDsYXvQ7Lq63Q2l_r5RVSMyyt6J

-2-0-0	7-0-0	11-4-4	15-6-12	19-9-4	23-11-12	28-4-0	35-4-0	37-4-0
2-0-0	7-0-0	4-4-4	4-2-8	4-2-8	4-2-8	4-4-4	7-0-0	2-0-0

Scale: 3/16"=1



7-0-0	11-4-4	15-6-12	19-9-4	23-11-12	28-4-0	35-4-0
7-0-0	4-4-4	4-2-8	4-2-8	4-2-8	4-4-4	7-0-0

Plate Offsets (X,Y)-- [3:0-5-4,0-2-8], [6:0-2-8,0-3-0], [13:0-4-0,0-4-8], [14:0-3-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	0.37	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.73	13-14	>577	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.30	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 401 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=2933/0-8-0, 9=2933/0-8-0
Max Horz 2=-61(LC 23)
Max Uplift 2=-568(LC 8), 9=-568(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-6761/1356, 3-4=-8357/1722, 4-5=-8357/1722, 5-6=-9467/1942, 6-7=-9467/1942, 7-8=-6258/1282, 8-9=-6739/1351

BOT CHORD 2-16=-1166/6174, 15-16=-1170/6205, 14-15=-1858/9537, 13-14=-1858/9537, 12-13=-1634/8414, 11-12=-1634/8414, 9-11=-1161/6155

WEBS 3-16=-96/695, 3-15=-540/2661, 4-15=-525/129, 5-15=-1445/287, 5-14=-37/419, 6-13=-515/126, 7-13=-251/1293, 7-12=-43/338, 7-11=-2690/549, 8-11=-395/2039

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=568, 9=568.
9) Use USP HJC26 (With 16d nails into Girder & 10d nails into Truss) or equivalent spaced at 21-3-4 oc max. starting at 7-0-6 from the left end to 28-3-10 to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 137 lb up at 7-0-0, and 222 lb down and 137 lb up at 28-4-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

THOMAS A. ALBANI LICENSE No 39380 STATE OF FLORIDA PROFESSIONAL ENGINEER

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: July 12,20

LOAD CASE(S) Standard

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

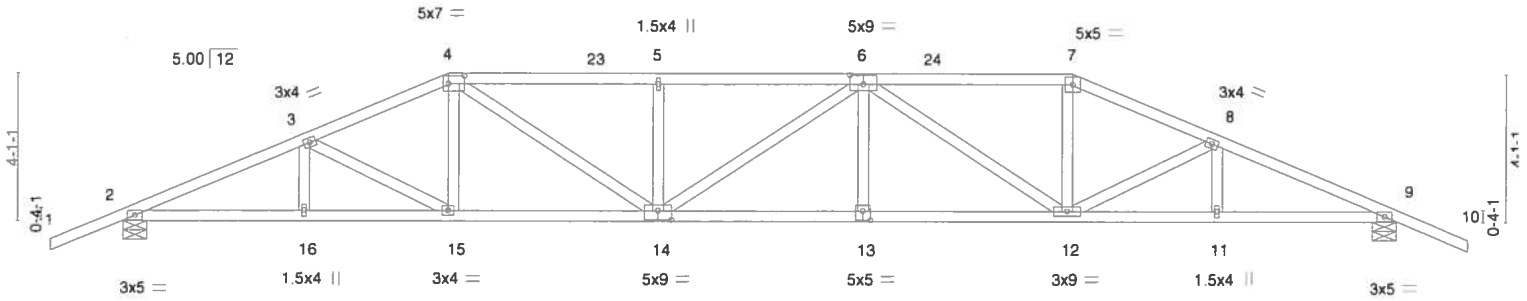
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 8-10=-60, 2-9=-20
   Concentrated Loads (lb)
   Vert: 3=-175(B) 8=-175(B) 16=-324(B) 15=-59(B) 4=-121(B) 12=-59(B) 11=-324(B) 7=-121(B) 22=-121(B) 23=-121(B) 24=-121(B) 25=-121(B) 26=-121(B) 27=-121(B) 28=-121(B) 29=-121(B) 31=-59(B) 32=-59(B) 33=-59(B) 34=-59(B) 35=-59(B) 36=-59(B) 37=-59(B) 38=-59(B)

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B2	Hip	1	1	T17583472
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:19 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-BhD54xE?YU8ZfdDh5wNn46zMpEVG9OD73lB3_pyyt6l

-2-0-0	5-0-0	9-0-0	14-9-15	20-6-1	26-4-0	30-4-0	35-4-0	37-4-0
2-0-0	5-0-0	4-0-0	5-9-15	5-8-3	5-9-15	4-0-0	5-0-0	2-0-0

Scale: 3/16"=1



5-0-0	9-0-0	14-9-15	20-6-1	26-4-0	30-4-0	35-4-0
5-0-0	4-0-0	5-9-15	5-8-3	5-9-15	4-0-0	5-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [6:0-4-8,0-3-0], [13:0-2-8,0-3-0], [14:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.27	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.54	13-14	>780	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.16	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 182 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=1533/0-8-0, 9=1533/0-8-0
Max Horz 2=-74(LC 10)
Max Uplift 2=-49(LC 12), 9=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3110/648, 3-4=-2747/604, 4-5=-3225/723, 5-6=-3225/723, 6-7=-2524/587, 7-8=-2747/603, 8-9=-3109/648
BOT CHORD 2-16=-482/2822, 15-16=-482/2822, 14-15=-385/2506, 13-14=-533/3225, 12-13=-533/3225, 11-12=-507/2822, 9-11=-507/2822
WEBS 3-15=-369/128, 4-15=-2/341, 4-14=-172/943, 5-14=-360/163, 6-12=-927/172, 7-12=-93/749, 8-12=-368/129

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:
July 12,20

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B3	Hip	1	1	T17583473

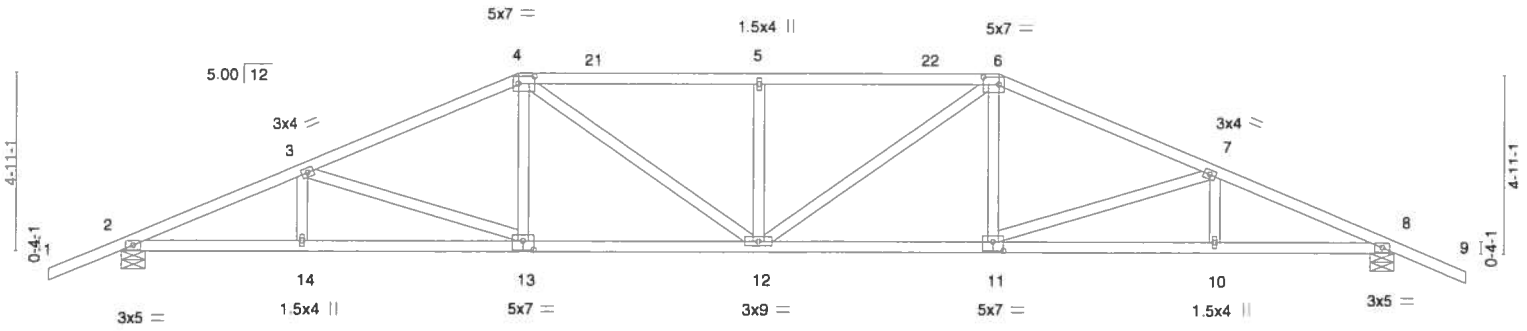
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:21 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-73LsVdFF36OGuxN3CLPG9X2if2B_dNsQX3gA3hyyt6G

-2-0-0	5-0-0	11-0-0	17-8-0	24-4-0	30-4-0	35-4-0	37-4-0
2-0-0	5-0-0	6-0-0	6-8-0	6-8-0	6-0-0	5-0-0	2-0-0

Scale: 3/16"=1'



5-0-0	11-0-0	17-8-0	24-4-0	30-4-0	35-4-0
5-0-0	6-0-0	6-8-0	6-8-0	6-0-0	5-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [6:0-5-4,0-2-8], [11:0-3-8,0-3-0], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.22	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.44	12-13	>959	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.15	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 180 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

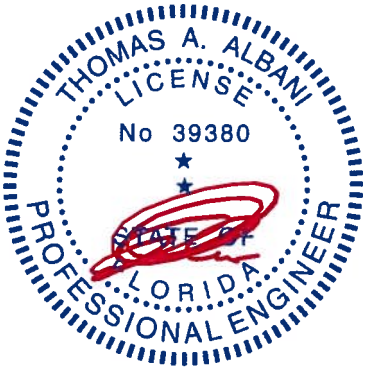
REACTIONS. (lb/size) 2=1533/0-8-0, 8=1533/0-8-0
Max Horz 2=-88(LC 10)
Max Uplift 2=-49(LC 12), 8=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-3144/673, 3-4=-2590/585, 4-5=-2734/656, 5-6=-2734/656, 6-7=-2590/585, 7-8=-3144/673
BOT CHORD 2-14=-509/2860, 13-14=-509/2860, 12-13=-347/2338, 11-12=-352/2338, 10-11=-534/2860, 8-10=-534/2860
WEBS 3-13=-566/193, 4-13=0/410, 4-12=-99/614, 5-12=-437/191, 6-12=-99/614, 6-11=0/410, 7-11=-566/192

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

July 12,20

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B4	Hip	1	1	T17583474

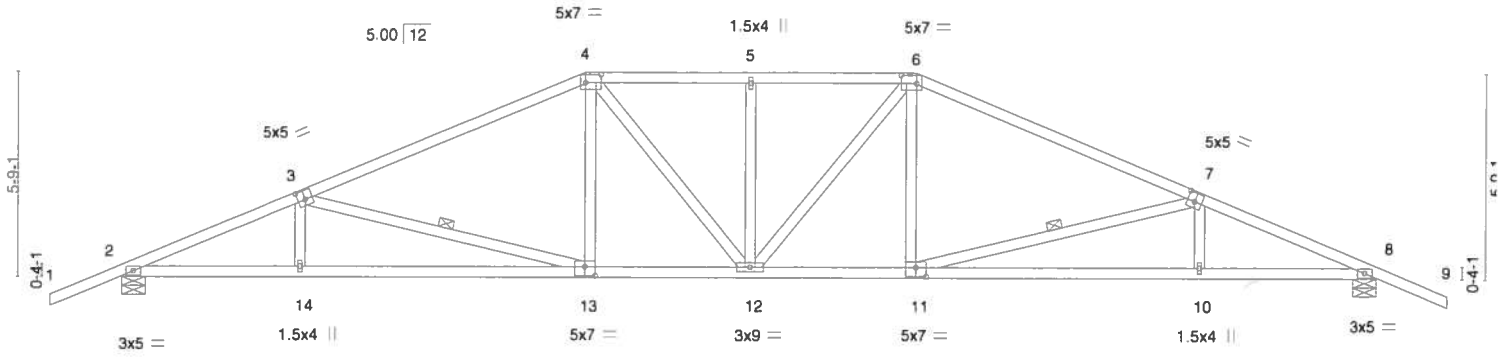
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:22 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-bGvEizGtqPW7W4yFm3xVhlbmCRUwMsNZIjPjb7yyt6F

-2-0-0	5-0-0	13-0-0	17-8-0	22-4-0	30-4-0	35-4-0	37-4-0
2-0-0	5-0-0	8-0-0	4-8-0	4-8-0	8-0-0	5-0-0	2-0-0

Scale = 1:65.1



5-0-0	13-0-0	17-8-0	22-4-0	30-4-0	35-4-0
5-0-0	8-0-0	4-8-0	4-8-0	8-0-0	5-0-0

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-5-4,0-2-12], [6:0-5-4,0-2-12], [7:0-2-8,0-3-0], [11:0-3-8,0-3-0], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.19	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.45	10-11	>935	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.15	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 188 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-13, 7-11

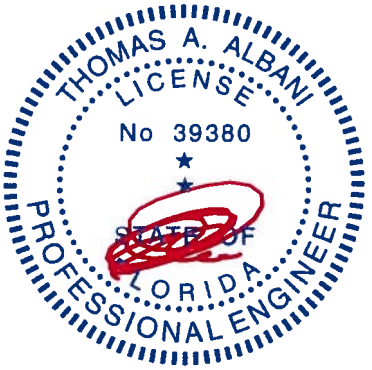
REACTIONS. (lb/size) 2=1533/0-8-0, 8=1533/0-8-0
Max Horz 2=-101(LC 10)
Max Uplift 2=-49(LC 12), 8=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-3196/699, 3-4=-2434/567, 4-5=-2272/592, 5-6=-2272/592, 6-7=-2434/567, 7-8=-3196/698
BOT CHORD	2-14=-539/2915, 13-14=-543/2911, 12-13=-309/2160, 11-12=-312/2160, 10-11=-568/2911, 8-10=-564/2915
WEBS	3-14=0/268, 3-13=-785/266, 4-13=0/454, 4-12=-30/335, 5-12=-251/82, 6-12=-30/335, 6-11=0/454, 7-11=-785/265, 7-10=0/268

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=35ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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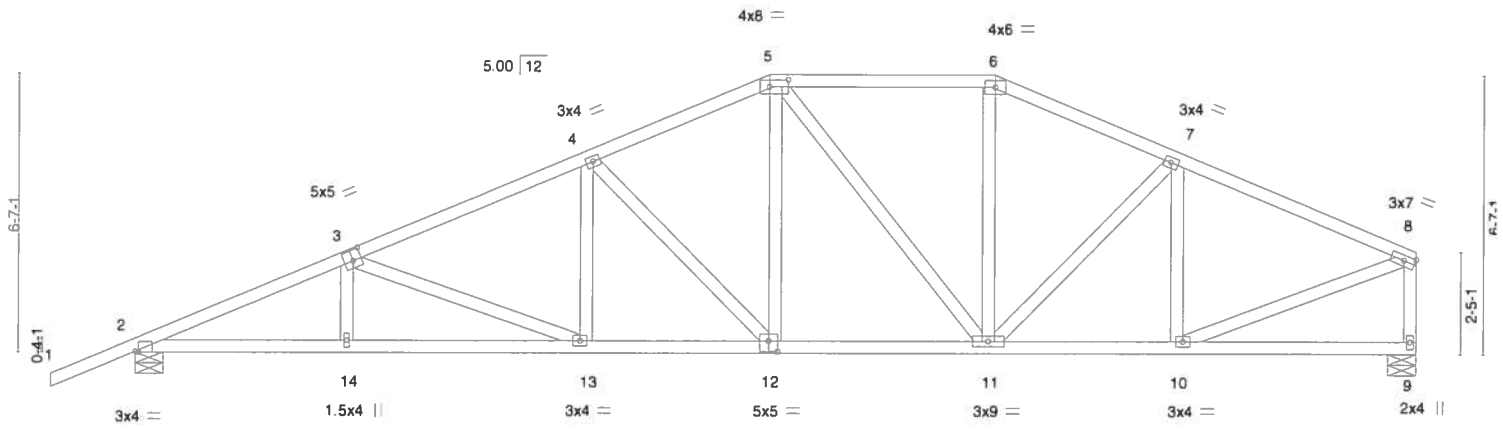
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B5	Hip	1	1	T17583475
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:24 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-Ye0_7eH7M1mrlO6etUzzmAgGiFFWqkPsD1uqg0yyt6D

-2-0-0	5-0-0	10-8-0	15-0-0	20-4-0	24-8-0	30-4-0
2-0-0	5-0-0	5-8-0	4-4-0	5-4-0	4-4-0	5-8-0

Scale = 1:54.7



5-0-0	10-8-0	15-0-0	20-4-0	24-8-0	30-4-0
5-0-0	5-8-0	4-4-0	5-4-0	4-4-0	5-8-0

Plate Offsets (X,Y)-- [2:0-0-14,Edge], [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [12:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.11	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.24	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 179 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=1331/0-8-0, 9=1204/0-8-0
Max Horz 2=139(LC 11)
Max Uplift 2=-50(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2627/577, 3-4=-2101/507, 4-5=-1634/456, 5-6=-1293/410, 6-7=-1450/416, 7-8=-1413/358, 8-9=-1145/303
BOT CHORD 2-14=-603/2381, 13-14=-606/2377, 12-13=-446/1882, 11-12=-305/1457, 10-11=-291/1248
WEBS 3-13=-536/172, 4-13=-4/355, 4-12=-611/203, 5-12=-89/529, 5-11=-345/65, 6-11=-26/310, 7-10=-371/167, 8-10=-271/1269

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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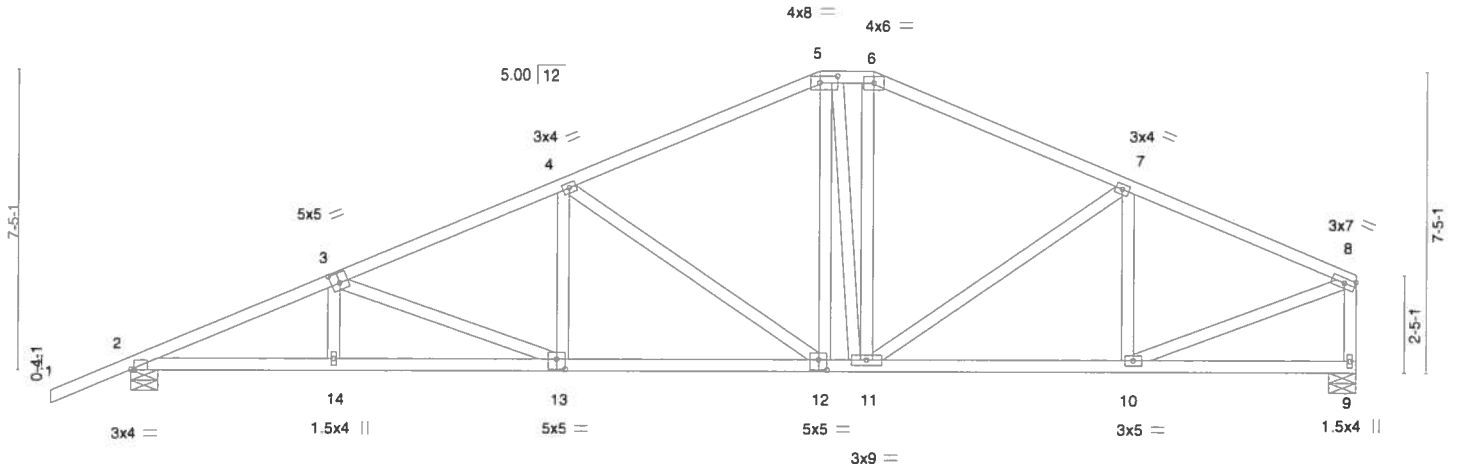
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B6	Hip	1	1	T17583476
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:25 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-0qaNL_Im7KuiNYhqRBUCJNCQZfaPZ5G0SheNCSyyt6C

-2-0-0	5-0-0	10-8-0	17-0-0	18-4-0	24-8-0	30-4-0
2-0-0	5-0-0	5-8-0	6-4-0	1-4-0	6-4-0	5-8-0

Scale = 1:57.2



5-0-0	10-8-0	17-0-0	18-4-0	24-8-0	30-4-0
5-0-0	5-8-0	6-4-0	1-4-0	6-4-0	5-8-0

Plate Offsets (X,Y)-- [2:0-0-14,Edge], [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [12:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.11	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.24	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 185 lb	FT = 0%

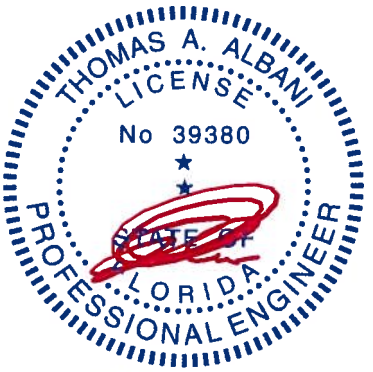
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=1331/0-8-0, 9=1204/0-8-0
Max Horz 2=152(LC 11)
Max Uplift 2=-50(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2615/588, 3-4=-2127/525, 4-5=-1458/430, 5-6=-1243/430, 6-7=-1420/422, 7-8=-1430/371, 8-9=-1150/307
BOT CHORD 2-14=-613/2368, 13-14=-615/2365, 12-13=-466/1902, 11-12=-258/1271, 10-11=-307/1269
WEBS 3-13=-493/160, 4-13=0/399, 4-12=-773/256, 5-12=-96/496, 5-11=-324/63, 6-11=-49/365, 7-10=-360/190, 8-10=-292/1306

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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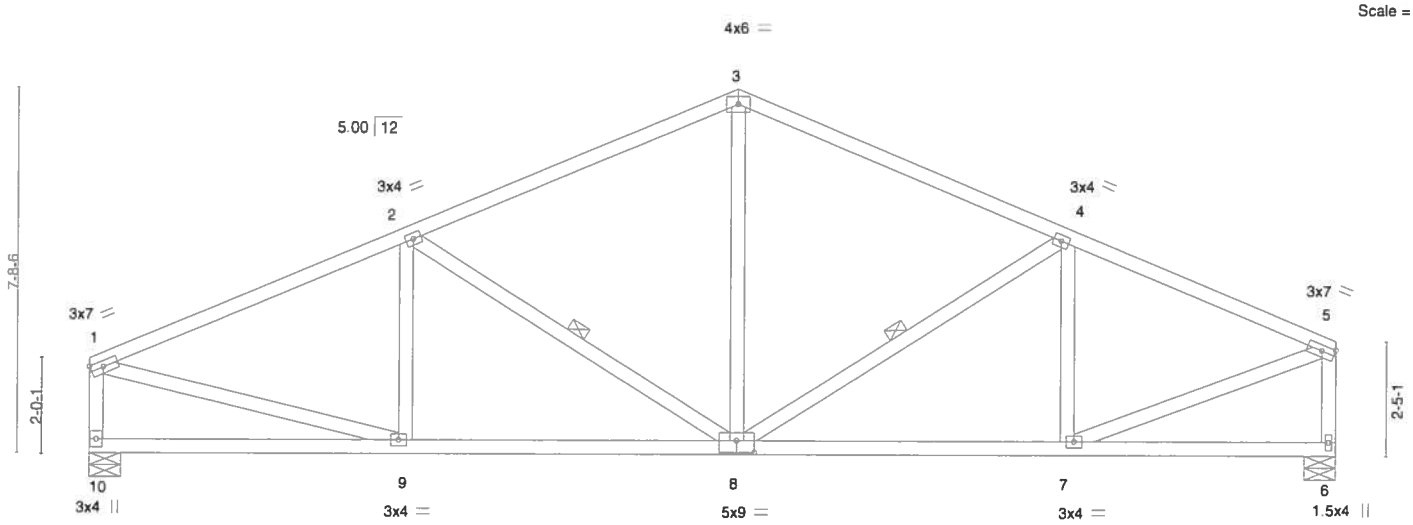
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	B7	Common	2	1	T17583477
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:26 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-U18lYKJOue0Z_iG1?u?RsblaE3x6lgP9gLNxkvyyt6B

6-8-0	13-8-0	20-8-0	26-4-0
6-8-0	7-0-0	7-0-0	5-8-0

Scale = 1:48.8



6-8-0	13-8-0	20-8-0	26-4-0
6-8-0	7-0-0	7-0-0	5-8-0

Plate Offsets (X,Y)-- [8:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.13	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 152 lb	FT = 0%

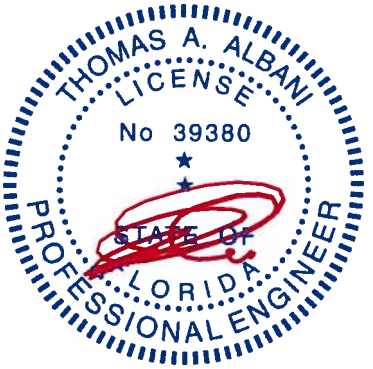
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8, 4-8

REACTIONS. (lb/size) 10=1042/0-8-0, 6=1042/0-8-0
Max Horz 10=138(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1377/353, 2-3=-1117/355, 3-4=-1115/354, 4-5=-1218/326, 1-10=-977/278, 5-6=-990/273
BOT CHORD 8-9=-316/1208, 7-8=-269/1076
WEBS 2-8=-372/155, 3-8=-56/460, 4-7=-279/176, 1-9=-245/1141, 5-7=-252/1100

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C1GIR	Hip Girder	1	2	T17583478

Job Reference (optional)

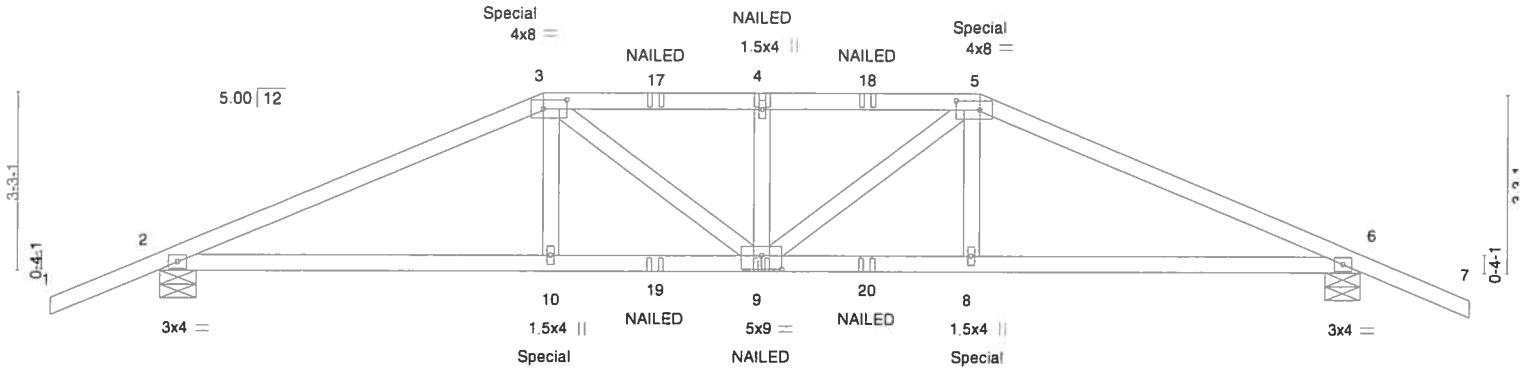
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:28 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-QPGVz0LeQFGHE?PP6J1vx0qvJscCmdnS8fs1pnyyt69

-2-0-0	7-0-0	11-0-0	15-0-0	22-0-0	24-0-0
2-0-0	7-0-0	4-0-0	4-0-0	7-0-0	2-0-0

Scale = 1:42.4



"Special" indicates special hanger(s) or other connection device(s) required at location(s) shown. The design/selection of such special connection device(s) is the responsibility of others. This applies to all applicable truss designs in this job.

7-0-0	11-0-0	15-0-0	22-0-0
7-0-0	4-0-0	4-0-0	7-0-0

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [5:0-5-4,0-2-0], [9:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.08	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.17	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 198 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

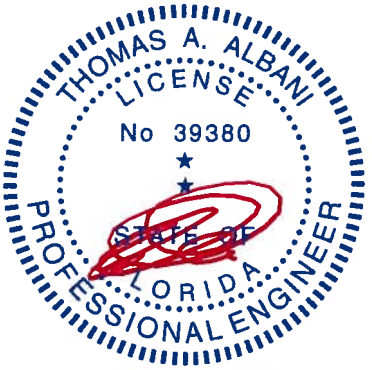
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1788/0-8-0, 6=1788/0-8-0
Max Horz 2=53(LC 24)
Max Uplift 2=-180(LC 8), 6=-180(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3649/326, 3-4=-3775/334, 4-5=-3775/334, 5-6=-3649/326
BOT CHORD 2-10=-215/3298, 9-10=-215/3322, 8-9=-215/3322, 6-8=-215/3298
WEBS 3-10=0/608, 3-9=-43/655, 4-9=-528/119, 5-9=-43/655, 5-8=0/608

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=180, 6=180.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 226 lb down and 129 lb up at 7-0-0, and 226 lb down and 129 lb up at 15-0-0 on top chord, and 328 lb down and 102 lb up at 7-0-0, and 328 lb down and 102 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-7=-60, 11-14=-20



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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C1GIR	Hip Girder	1	2	T17583478

Job Reference (optional)

LOAD CASE(S) Standard

Concentrated Loads (lb)

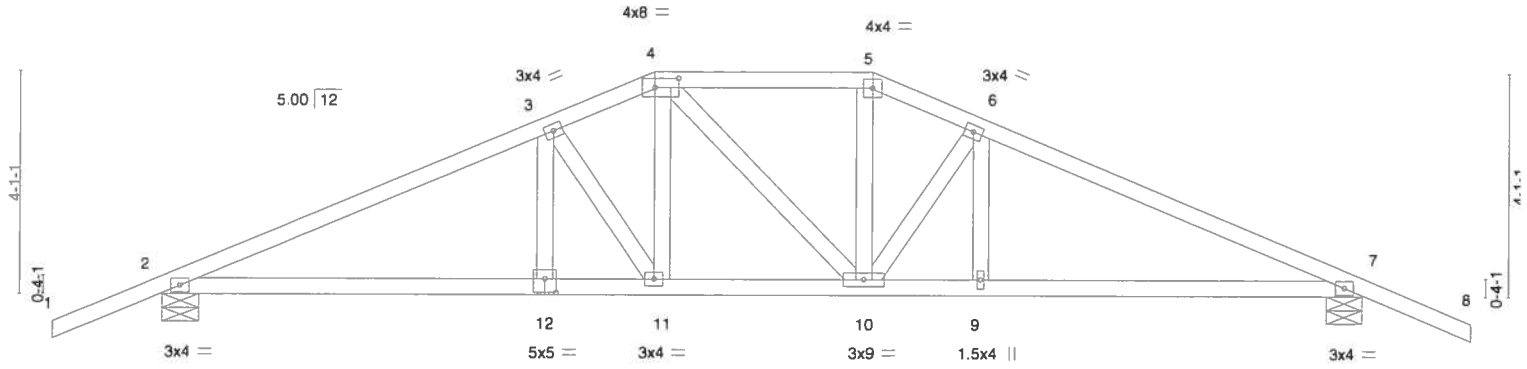
Vert: 3=-178(B) 5=-178(B) 10=-328(B) 9=-63(B) 4=-125(B) 8=-328(B) 17=-125(B) 18=-125(B) 19=-63(B) 20=-63(B)

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C2	Hip	1	1	T17583479
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:29 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-ucqtAMLGBZP8r9_cg1Z8TDN3BGyQV4SbMJcbLDyyt68

-2-0-0	7-0-0	9-0-0	13-0-0	15-0-0	22-0-0	24-0-0
2-0-0	7-0-0	2-0-0	4-0-0	2-0-0	7-0-0	2-0-0

Scale = 1:42.4



7-0-0	9-0-0	13-0-0	15-0-0	22-0-0
7-0-0	2-0-0	4-0-0	2-0-0	7-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [12:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.07	12-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.17	12-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 110 lb	FT = 0%

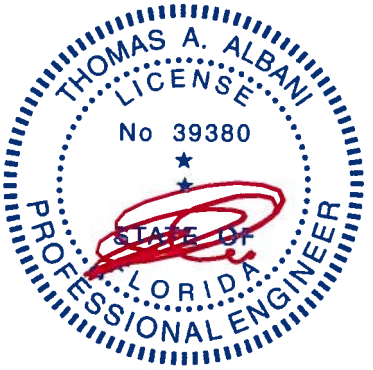
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=1000/0-8-0, 7=1000/0-8-0
Max Horz 2=65(LC 11)
Max Uplift 2=-49(LC 12), 7=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1661/366, 3-4=-1351/356, 4-5=-1214/330, 5-6=-1352/356, 6-7=-1661/366
BOT CHORD 2-12=-207/1472, 11-12=-207/1472, 10-11=-136/1212, 9-10=-225/1472, 7-9=-225/1472
WEBS 3-11=-474/154, 4-11=-91/399, 5-10=-89/398, 6-10=-472/154

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C3	Common	2	1	T17583480

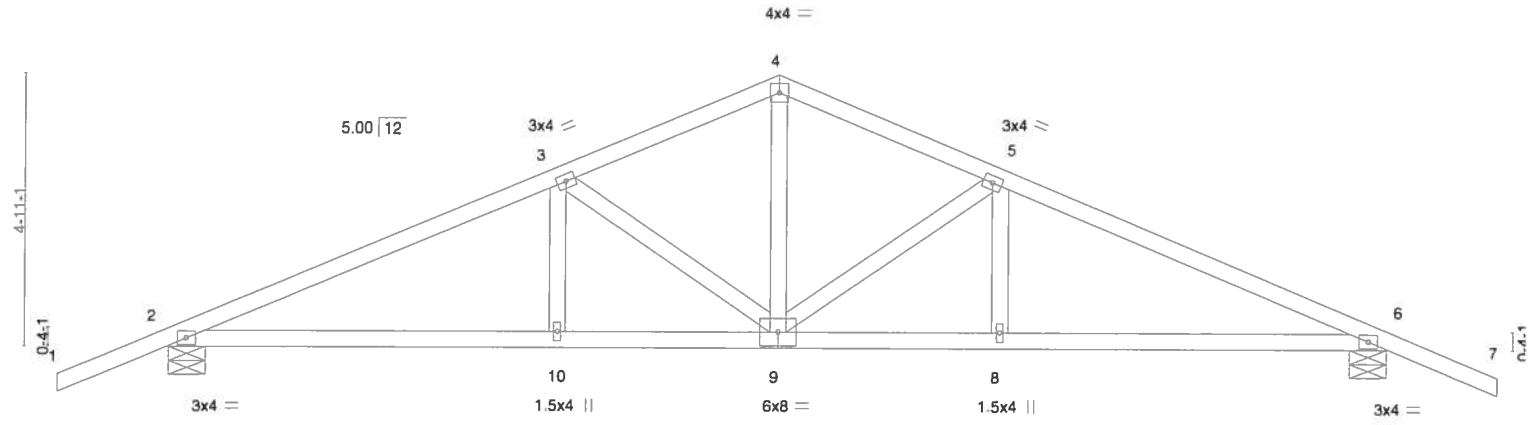
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:30 2019 Page 1

ID:U6RzVS57IFDuZirFf6?cbuz09bC-MoNGOiMuytX?TJZoEk4N0RwFDgIfEVvIbzL8tgyyt67

-2-0-0	7-0-0	11-0-0	15-0-0	22-0-0	24-0-0
2-0-0	7-0-0	4-0-0	4-0-0	7-0-0	2-0-0

Scale = 1:41.7



7-0-0	11-0-0	15-0-0	22-0-0
7-0-0	4-0-0	4-0-0	7-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.07	8-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.17	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 103 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.

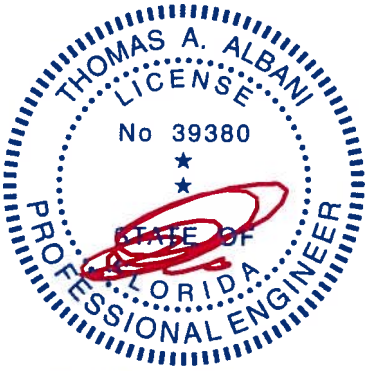
REACTIONS. (lb/size) 2=1000/0-8-0, 6=1000/0-8-0
Max Horz 2=77(LC 11)
Max Uplift 2=-49(LC 12), 6=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1662/381, 3-4=-1174/330, 4-5=-1174/330, 5-6=-1662/381
BOT CHORD	2-10=-224/1473, 9-10=-224/1473, 8-9=-240/1473, 6-8=-240/1473
WEBS	4-9=-159/697, 5-9=-561/177, 5-8=0/253, 3-9=-561/177, 3-10=0/253

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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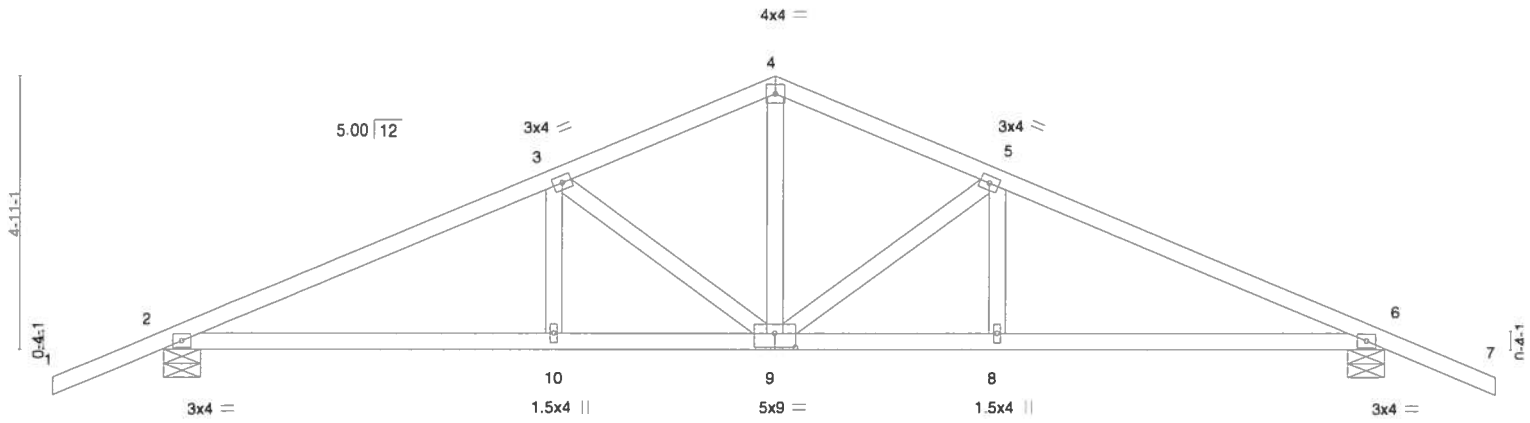
Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C4	Common	4	1	T17583481

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:31 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-r_xeb1NWjAfs5T8_nSbcZeSQy4euzy?uqd5hP6yyt66

-2-0-0 | 7-0-0 | 11-0-0 | 15-0-0 | 22-0-0 | 24-0-0
2-0-0 | 7-0-0 | 4-0-0 | 4-0-0 | 7-0-0 | 2-0-0

Scale = 1:41.7



7-0-0 | 11-0-0 | 15-0-0 | 22-0-0
7-0-0 | 4-0-0 | 4-0-0 | 7-0-0

Plate Offsets (X,Y)-- [9:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.07	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.17	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 103 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 2=1000/0-8-0, 6=1000/0-8-0
Max Horz 2=-77(LC 10)
Max Uplift 2=-49(LC 12), 6=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1662/381, 3-4=-1174/330, 4-5=-1174/330, 5-6=-1662/381
BOT CHORD 2-10=-224/1473, 9-10=-224/1473, 8-9=-240/1473, 6-8=-240/1473
WEBS 4-9=-159/697, 5-9=-561/177, 5-8=0/253, 3-9=-561/177, 3-10=0/253

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C5GIR	Hip Girder	1	2	T17583482

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:34 2019 Page 1
ID:U6RzVS57IFDuZirFf6?cbuz09bC-FZdmE3PP051QywtZTa8JAH4_wHfiAJnKWbJM0Ryyt63

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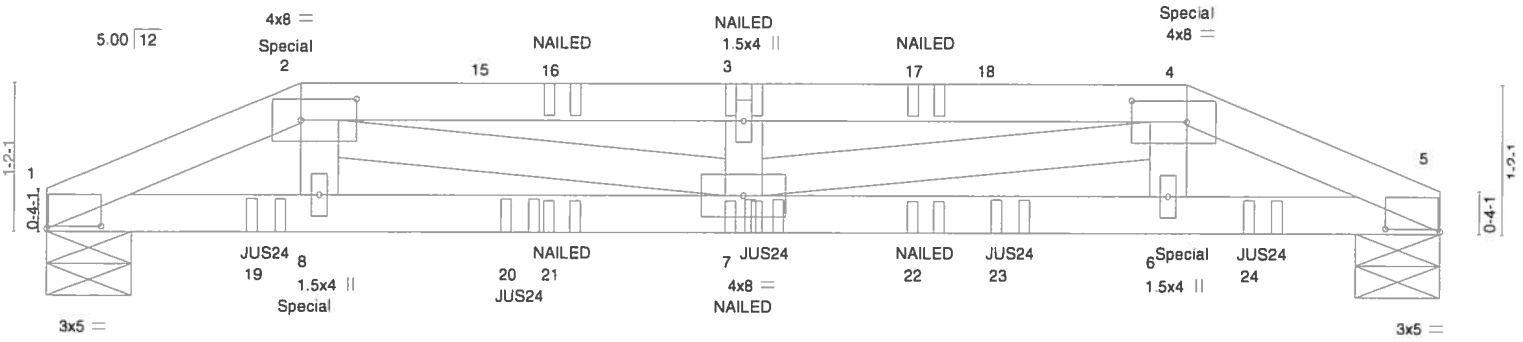
2-0-0	3-6-0	3-6-0	2-0-0

Scale = 1:18.2



2-0-0	5-6-0	9-0-0	11-0-0
2-0-0	3-6-0	3-6-0	2-0-0

Plate Offsets (X,Y)-- [1:0-5-2,0-0-4], [2:0-5-4,0-2-0], [4:0-5-4,0-2-0], [5:0-5-2,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.07	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.12	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.17	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 91 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

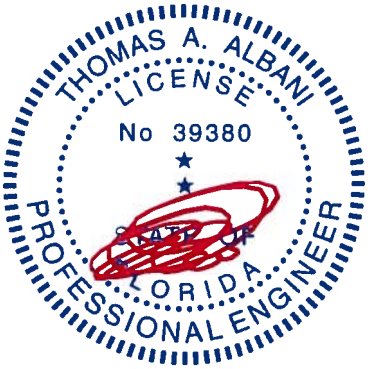
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=1057/0-8-0, 5=1090/0-8-0
Max Horz 1=12(LC 31)
Max Grav 1=1097(LC 36), 5=1121(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2568/0, 2-3=-3818/0, 3-4=-3818/0, 4-5=-2553/0
BOT CHORD 1-8=0/2359, 7-8=0/2427, 6-7=0/2416, 5-6=0/2351
WEBS 2-8=0/486, 2-7=0/1476, 3-7=-289/8, 4-7=0/1494, 4-6=0/454

NOTES-
1) Special connection required to distribute web loads equally between all plies.
2) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 2 rows staggered at 0-2-0 oc.
Bottom chords connected as follows: 2x4 - 2 rows staggered at 0-2-0 oc.
Webs connected as follows: 2x4 - 2 rows staggered at 0-2-0 oc, Except member 7-2 2x4 - 1 row at 0-9-0 oc, member 3-7 2x4 - 2 rows staggered at 0-2-0 oc, member 7-4 2x4 - 1 row at 0-9-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Use USP JUS24 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-8-12 from the left end to 9-7-4 to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 173 lb down and 209 lb up at 2-0-0, and 173 lb down and 209 lb up at 9-0-0 on top chord, and 39 lb down and 96 lb up at 2-0-0, and 39 lb down and 96 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	C5GIR	Hip Girder	1	2	T17583482

Job Reference (optional)

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-4=-60, 4-5=-60, 9-12=-20
   Concentrated Loads (lb)
   Vert: 2=37(F) 4=37(F) 8=-35(F) 7=-282(F=-35, B=-248) 6=-0(F) 19=-213(F=34, B=-248) 20=-248(B) 21=-35(F) 22=-35(F) 23=-248(B) 24=-248(B)

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	CJ1	Diagonal Hip Girder	7	1	T17583483
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:35 2019 Page 1
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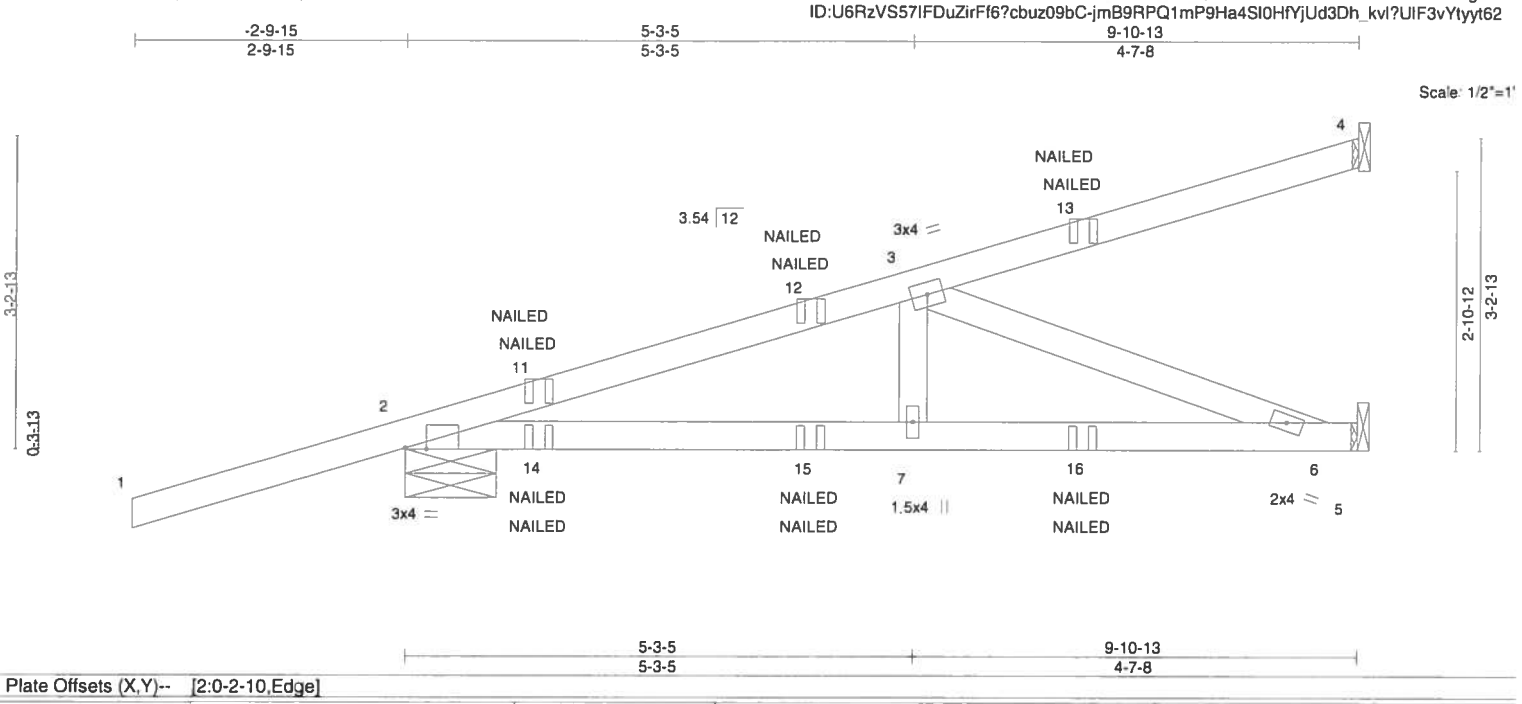


Plate Offsets (X,Y)-- [2:0-2-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.05	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 43 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

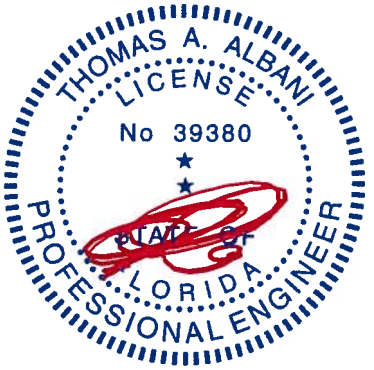
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=139/Mechanical, 2=488/0-11-5, 5=293/Mechanical
Max Horz 2=100(LC 24)
Max Uplift 4=-32(LC 8), 2=-247(LC 8), 5=-93(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-743/213
BOT CHORD 2-7=-237/683, 6-7=-237/683
WEBS 3-6=-727/253

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=247.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=71(F=35, B=35) 13=-70(F=-35, B=-35) 14=83(F=42, B=42) 15=3(F=2, B=2) 16=-50(F=-25, B=-25)



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	CJ2	Diagonal Hip Girder	2	1	T17583484
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:36 2019 Page 1
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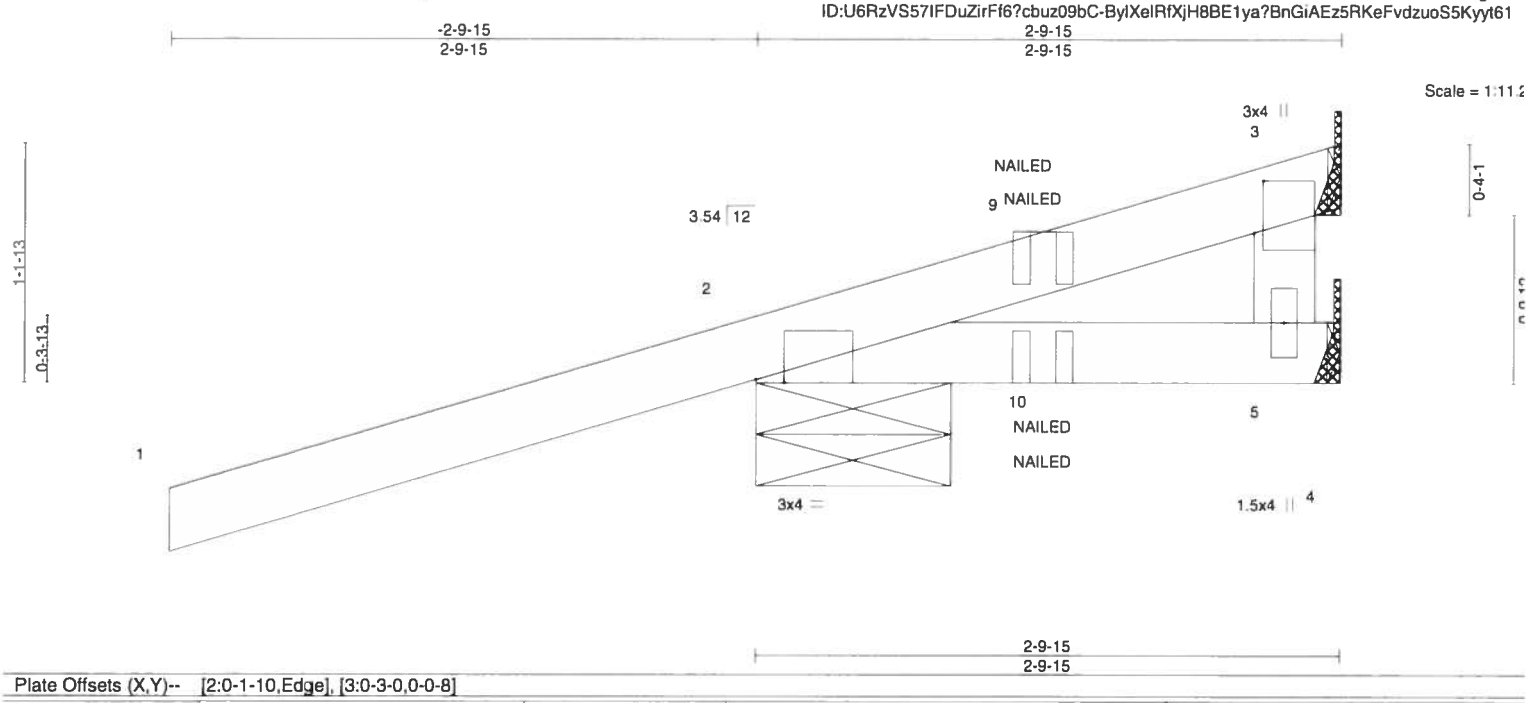


Plate Offsets (X,Y)-- [2:0-1-10,Edge], [3:0-3-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.01	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	0.01	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 14 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

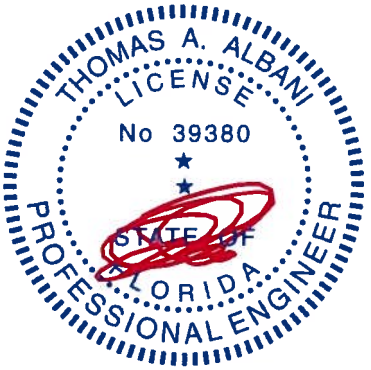
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=1/Mechanical, 5=-23/Mechanical, 2=335/0-11-5
Max Horz 2=33(LC 24)
Max Uplift 3=-33(LC 17), 5=-55(LC 17), 2=-134(LC 8)
Max Grav 3=43(LC 24), 5=57(LC 24), 2=335(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5 except (jt=lb) 2=134.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-6=-20
Concentrated Loads (lb)
Vert: 9=33(B) 10=34(F=-8, B=42)



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	E1FIR	Half Hip Girder	1	2	T17583485

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:38 2019 Page 1
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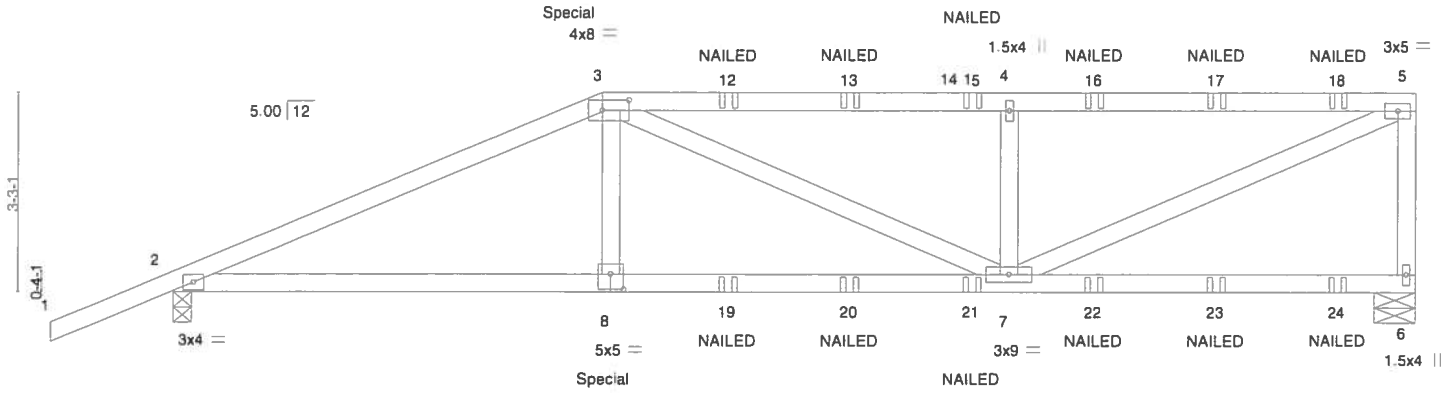


7-0-0 7-0-0 | 13-8-0 6-8-0 | 20-4-0 6-8-0

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [8:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	0.09	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.16	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 194 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

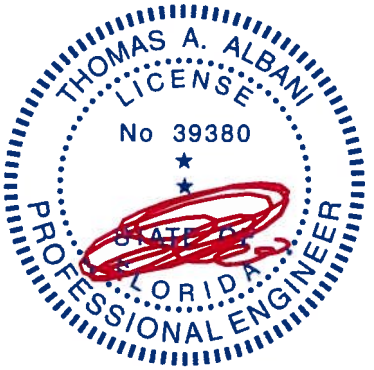
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=1774/0-8-0, 2=1593/0-3-8
Max Horz 2=100(LC 7)
Max Uplift 6=-449(LC 8), 2=-414(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3183/800, 3-4=-2900/759, 4-5=-2900/759, 5-6=-1616/408
BOT CHORD 2-8=-698/2871, 7-8=-705/2898
WEBS 3-8=-152/688, 4-7=-919/235, 5-7=-774/3079

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=449, 2=414.
8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 175 lb down and 134 lb up at 7-0-0 on top chord, and 324 lb down and 161 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 6-9=-20



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July 12,20

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	E1FIR	Half Hip Girder	1	2	T17583485

Job Reference (optional)

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-175(F) 8=-324(F) 12=-121(F) 13=-121(F) 15=-121(F) 16=-130(F) 17=-130(F) 18=-130(F) 19=-59(F) 20=-59(F) 21=-59(F) 22=-67(F) 23=-67(F) 24=-67(F)

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	F1GIR	Half Hip Girder	1	2	T17583486

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:39 2019 Page 1
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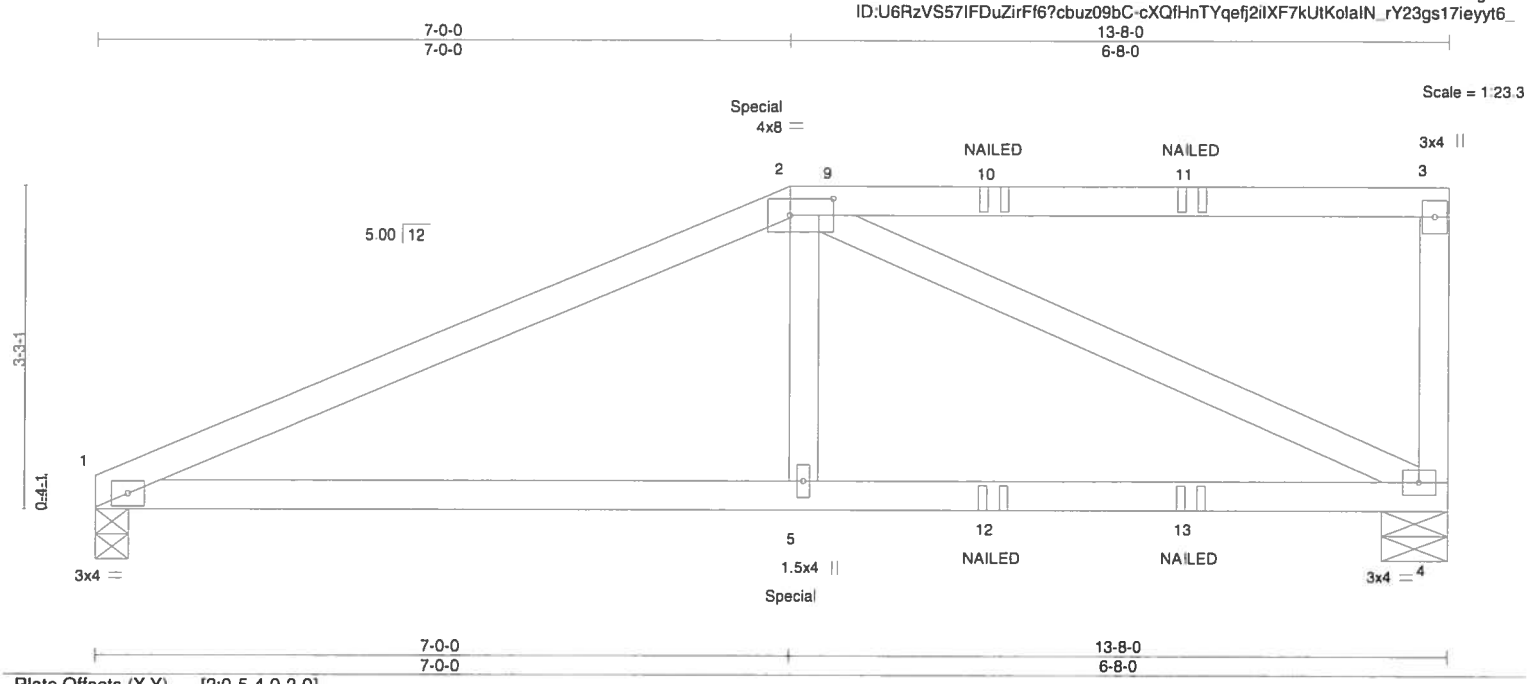


Plate Offsets (X,Y)-- [2:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.05	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.10	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 119 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

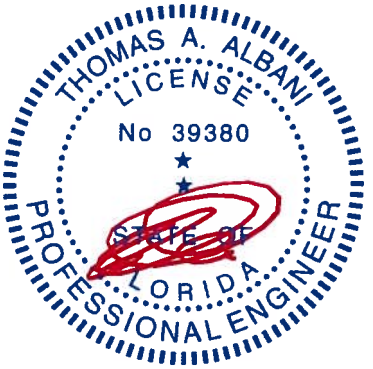
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=870/0-4-0, 4=1071/0-8-0
Max Horz 1=89(LC 24)
Max Uplift 1=-211(LC 8), 4=-275(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1692/435, 3-4=-317/77
BOT CHORD 1-5=-409/1516, 4-5=-417/1544
WEBS 2-5=-166/732, 2-4=-1592/416

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=211, 4=275.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 222 lb down and 134 lb up at 7-0-0 on top chord, and 324 lb down and 119 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-6=-20



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Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	F1GIR	Half Hip Girder	1	2	T17583486 Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 2=-175(F) 5=-324(F) 10=-121(F) 11=-121(F) 12=-59(F) 13=-59(F)

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J1	Jack-Open	41	1	T17583487
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:40 2019 Page 1
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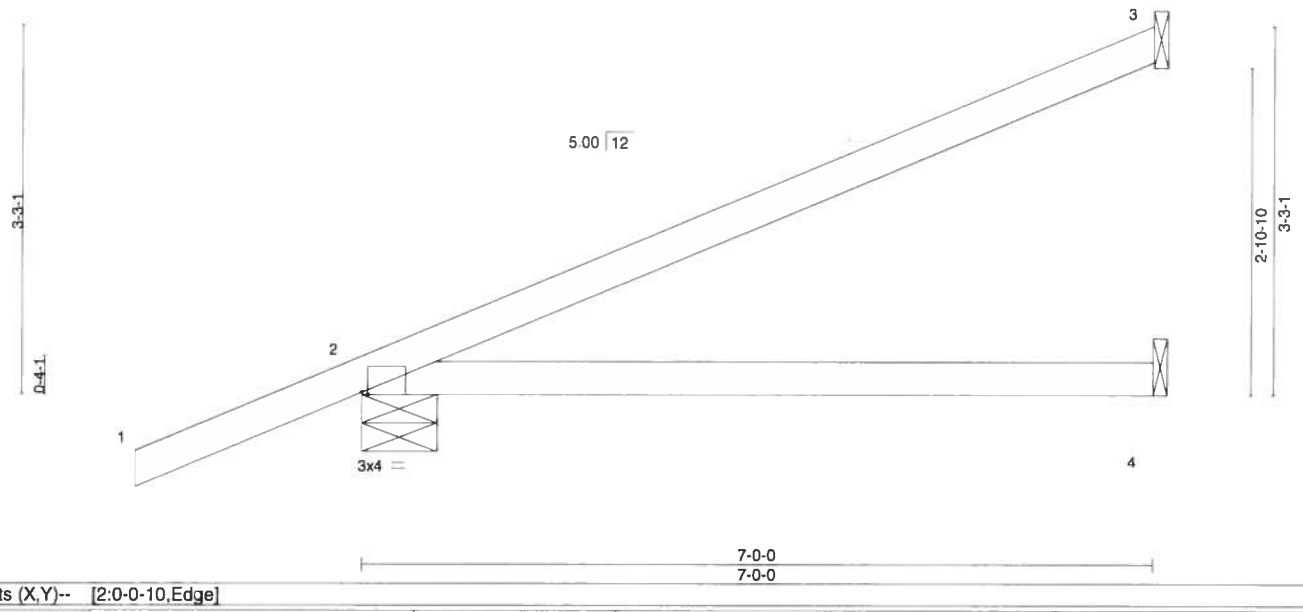


7-0-0 7-0-0

Plate Offsets (X,Y)-- [2:0-0-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.23	4-7	>359	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.20	4-7	>414	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 25 lb	FT = 0%

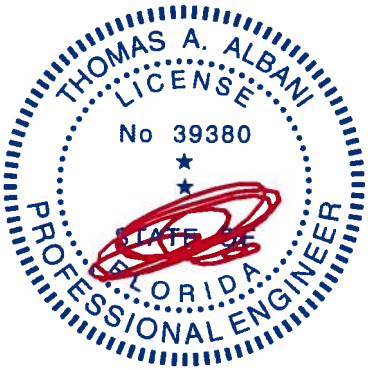
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 3=181/Mechanical, 2=415/0-8-0, 4=79/Mechanical
Max Horz 2=100(LC 12)
Max Uplift 3=-46(LC 12), 2=-103(LC 12), 4=-19(LC 12)
Max Grav 3=181(LC 1), 2=415(LC 1), 4=122(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=103.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J1A	Jack-Open	3	1	T17583488
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:40 2019 Page 1
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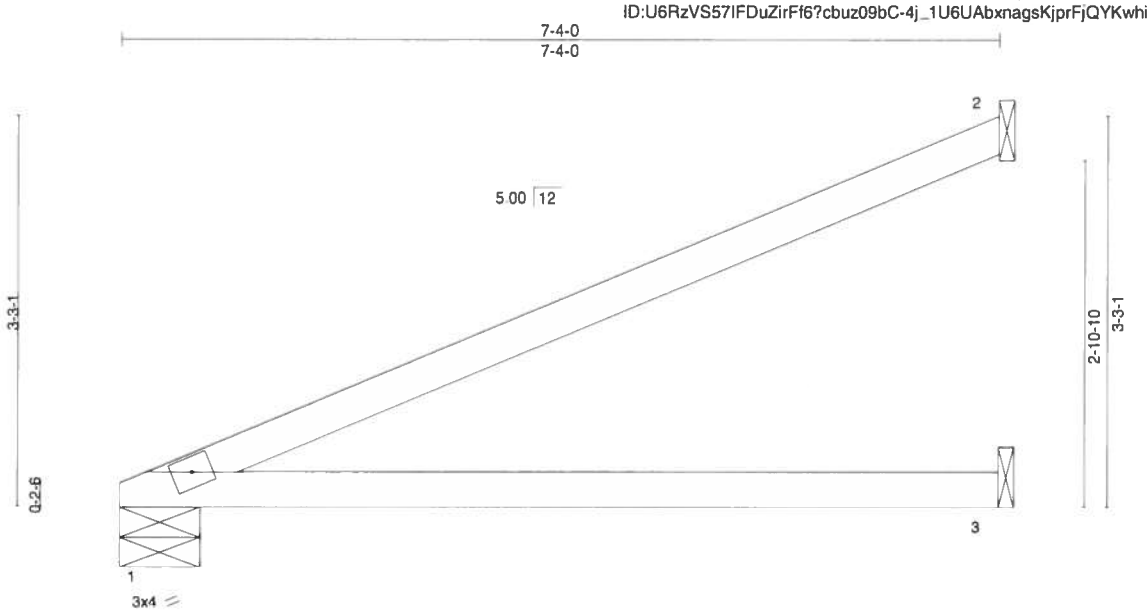


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	0.26	3-5	>331	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	3-5	>380	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 22 lb	FT = 0%

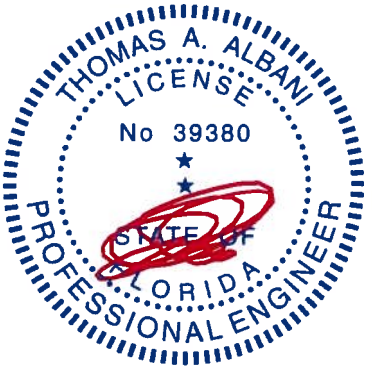
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 1=280/0-8-0, 2=190/Mechanical, 3=87/Mechanical
Max Horz 1=69(LC 12)
Max Uplift 1=-46(LC 12), 2=-51(LC 12), 3=-23(LC 12)
Max Grav 1=280(LC 1), 2=190(LC 1), 3=125(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 3.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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July 12,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J1B	Jack-Open	5	1	T17583489
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:41 2019 Page 1
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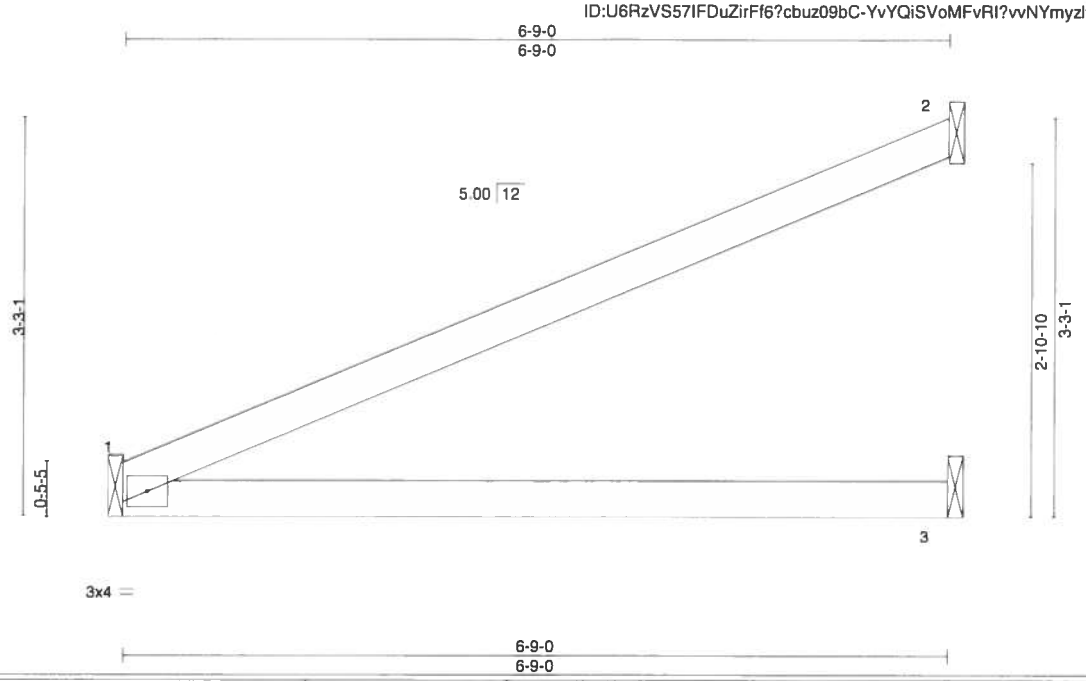


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.09	3-6	>876	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.19	3-6	>427	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 21 lb	FT = 0%

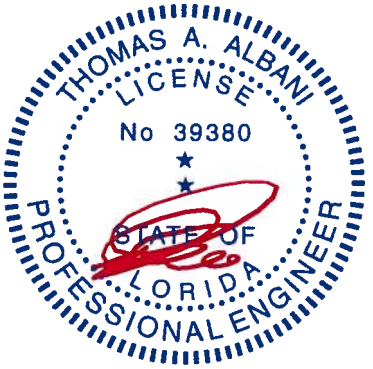
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 1=268/Mechanical, 2=185/Mechanical, 3=83/Mechanical
Max Horz 1=67(LC 12)
Max Uplift 2=-41(LC 12)
Max Grav 1=268(LC 1), 2=185(LC 1), 3=122(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:
July 12,20

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J1C	Jack-Open Structural Gable	5	1	T17583490
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:42 2019 Page 1
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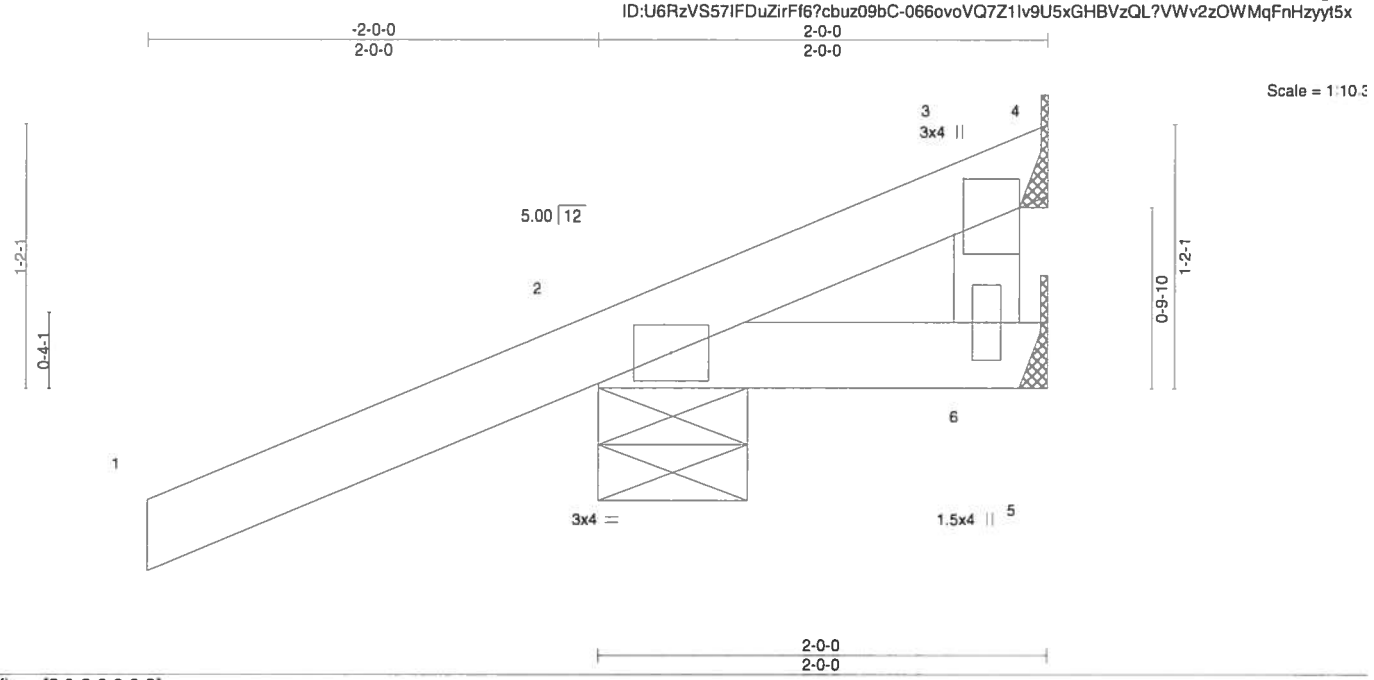

Plate Offsets (X,Y)-- [3:0-3-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 10 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=-39/Mechanical, 2=264/0-8-0, 5=43/Mechanical
Max Horz 2=35(LC 12)
Max Uplift 3=-39(LC 1), 2=-89(LC 12), 5=-39(LC 12)
Max Grav 3=80(LC 12), 2=264(LC 1), 5=43(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 5.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J2	Jack-Open	13	1	T17583491
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:43 2019 Page 1
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-2-0-0 2-0-0 | 5-0-0 5-0-0

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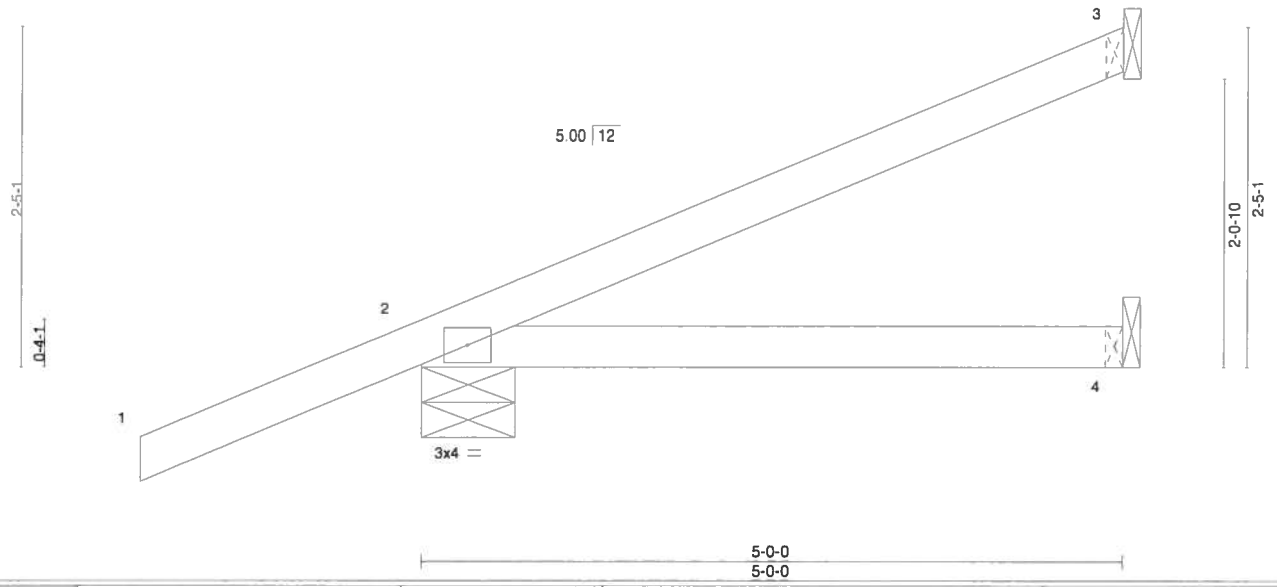


5-0-0 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.06	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 19 lb	FT = 0%

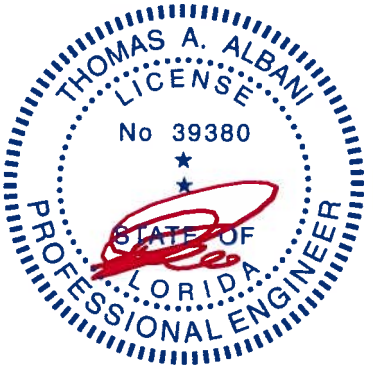
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 3=120/Mechanical, 2=342/0-8-0, 4=53/Mechanical
Max Horz 2=80(LC 12)
Max Uplift 3=-29(LC 12), 2=-94(LC 12), 4=-14(LC 9)
Max Grav 3=120(LC 1), 2=342(LC 1), 4=86(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J2A	Jack-Open	1	1	T17583492
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:44 2019 Page 1
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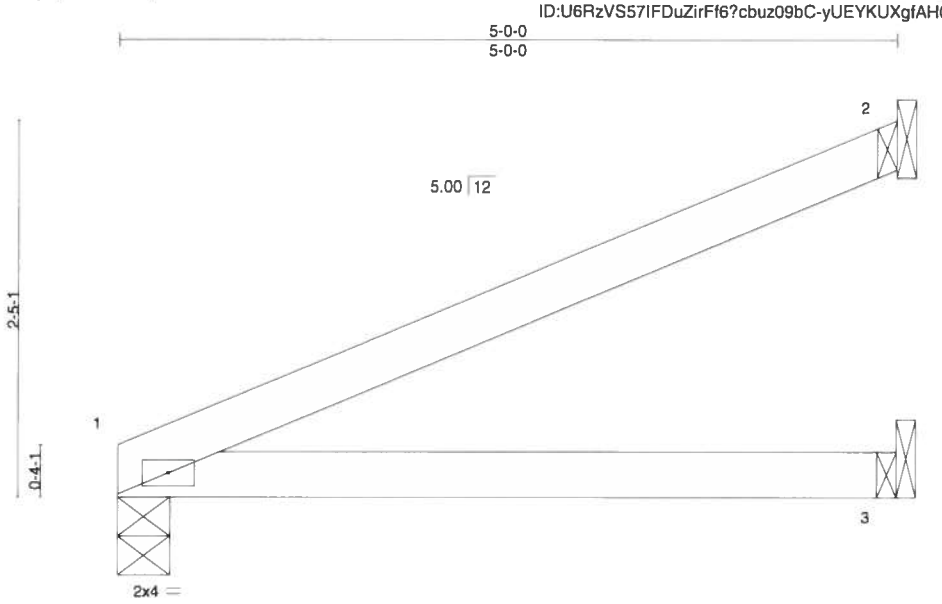


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.07	3-6	>832	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.06	3-6	>966	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 16 lb	FT = 0%

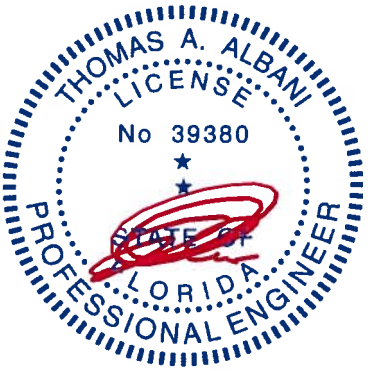
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 1=198/0-4-0, 2=132/Mechanical, 3=65/Mechanical
Max Horz 1=49(LC 12)
Max Uplift 1=-32(LC 12), 2=-36(LC 12), 3=-17(LC 12)
Max Grav 1=198(LC 1), 2=132(LC 1), 3=90(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 3.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J3	Jack-Open	14	1	T17583493
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:45 2019 Page 1
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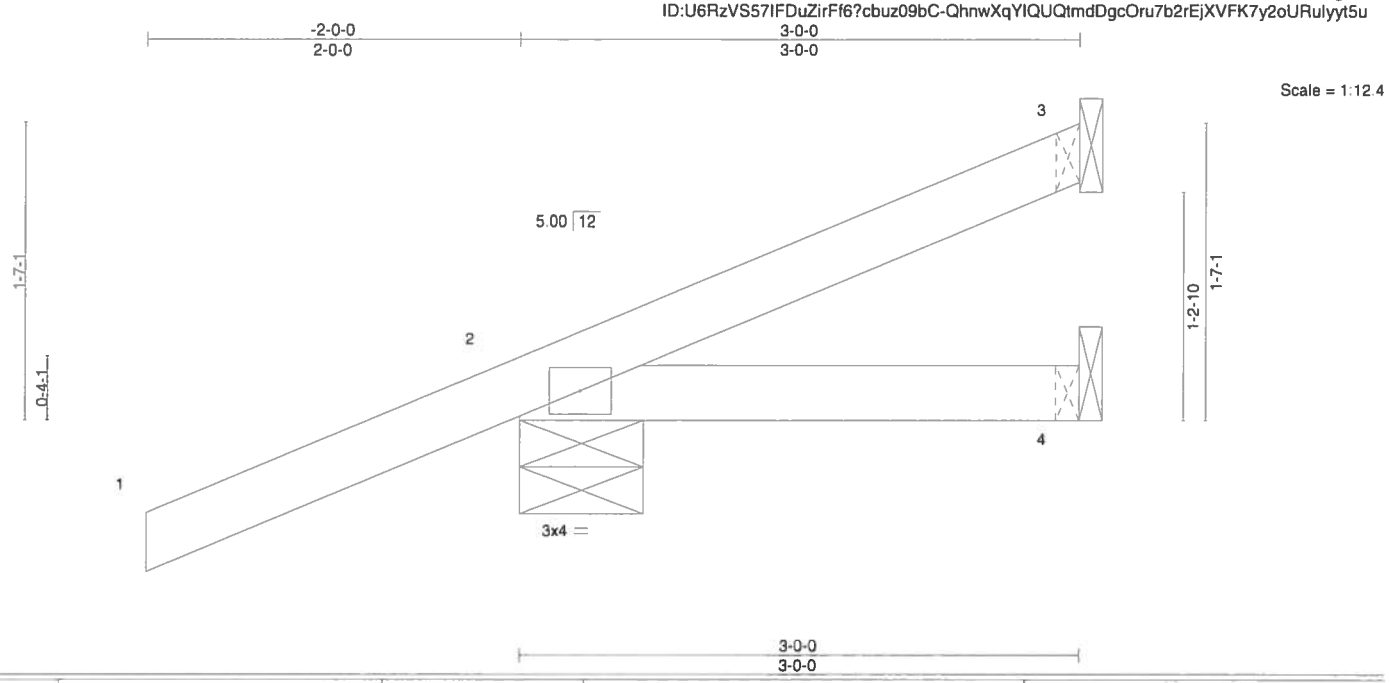


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

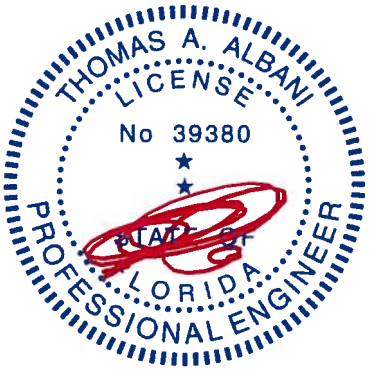
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=56/Mechanical, 2=278/0-8-0, 4=21/Mechanical
Max Horz 2=60(LC 12)
Max Uplift 3=-11(LC 12), 2=-89(LC 12), 4=-8(LC 9)
Max Grav 3=56(LC 1), 2=278(LC 1), 4=46(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J4	Jack-Open	16	1	T17583494
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:45 2019 Page 1
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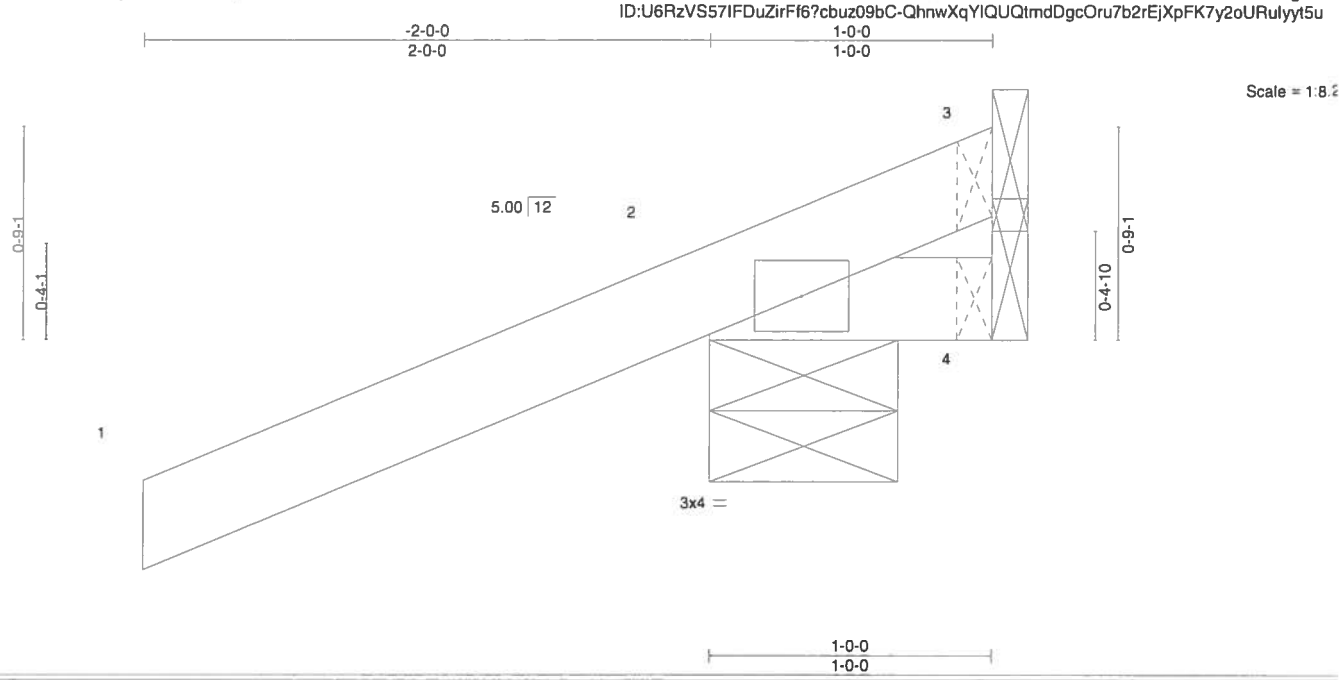


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 7 lb	FT = 0%

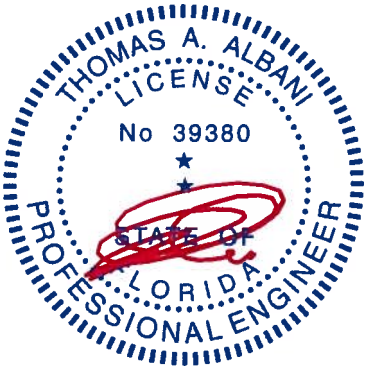
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=-28/Mechanical, 2=281/0-8-0, 4=-54/Mechanical
Max Horz 2=40(LC 12)
Max Uplift 3=-28(LC 1), 2=-109(LC 12), 4=-54(LC 1)
Max Grav 3=22(LC 12), 2=281(LC 1), 4=37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=109.



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Date:
July 12,20

Job	Truss	Truss Type	Qty	Ply	Wayne Clemmons
WAYNE_CLEMMONS	J4A	Jack-Open	2	1	T17583495
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Fri Jul 12 07:58:46 2019 Page 1
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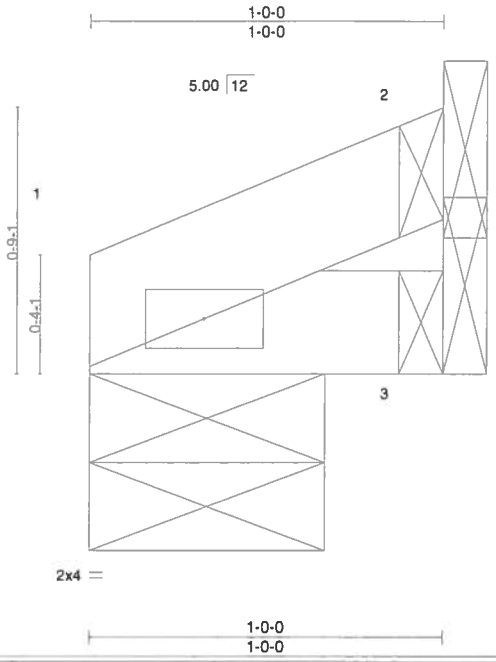


Scale = 1:6.5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.01	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 3 lb	FT = 0%

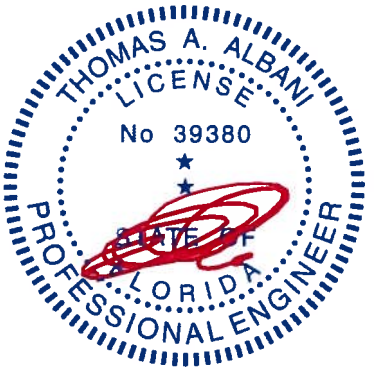
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=40/0-8-0, 2=21/Mechanical, 3=18/Mechanical
Max Horz 1=10(LC 12)
Max Uplift 2=-3(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

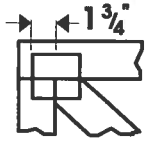


Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
July 12,20

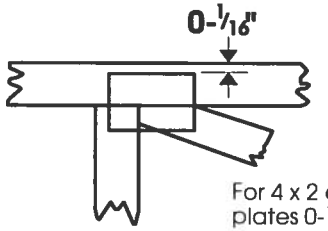
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

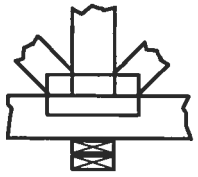
4 x 4

The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

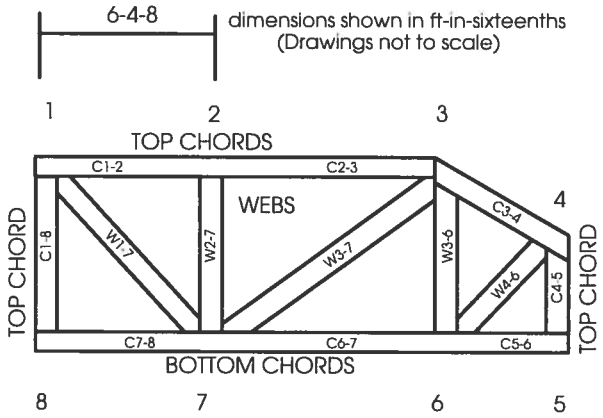


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsiblity of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

Residential System Sizing Calculation

Summary

Wayne & Wanda Clemons

Lake City, FL 32024

Project Title:
Clemons Residence

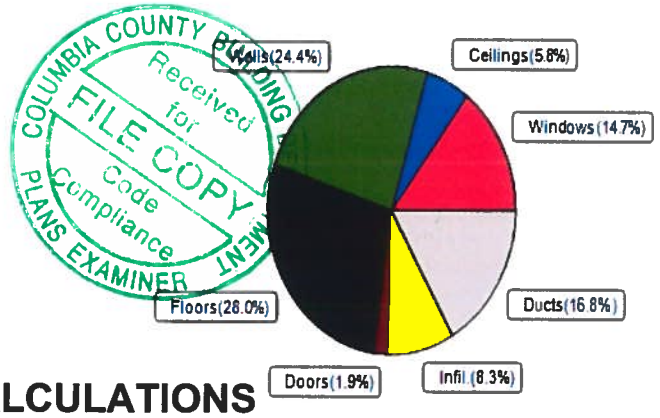
5/31/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	**37890**	**Btuh**	**Total cooling load calculation**	**26512**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	100.0	37890	Sensible (SHR = 0.70)	85.9	18543
Heat Pump + Auxiliary(0.0kW)	100.0	37890	Latent	161.5	7947
			Total (Electric Heat Pump)	99.9	26490

WINTER CALCULATIONS

Winter Heating Load (for 2069 sqft)

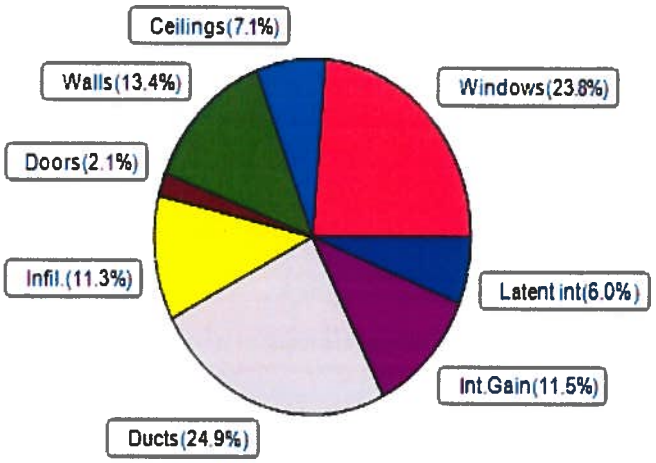
Load component			Load	
Window total	386	sqft	5558	Btuh
Wall total	1824	sqft	9262	Btuh
Door total	40	sqft	736	Btuh
Ceiling total	2172	sqft	2205	Btuh
Floor total	2069	sqft	10620	Btuh
Infiltration	72	cfm	3158	Btuh
Duct loss			6351	Btuh
Subtotal			**37890**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**37890**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2069 sqft)

Load component			Load	
Window total	386	sqft	6313	Btuh
Wall total	1824	sqft	3543	Btuh
Door total	40	sqft	552	Btuh
Ceiling total	2172	sqft	1874	Btuh
Floor total			0	Btuh
Infiltration	54	cfm	1125	Btuh
Internal gain			3040	Btuh
Duct gain			5145	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**21592**	**Btuh**
Latent gain(ducts)			1454	Btuh
Latent gain(infiltration)			1867	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**4920**	**Btuh**
TOTAL HEAT GAIN			**26512**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY:
DATE: 5/31/2019

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Wayne & Wanda Clemons

Lake City, FL 32024

Project Title:
Clemons Residence
Building Type: User

5/31/2019

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

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.25	Vinyl	0.36	S	4.0	14.4	58 Btuh
2	2, NFRC 0.25	Vinyl	0.36	S	15.0	14.4	216 Btuh
3	2, NFRC 0.25	Vinyl	0.36	S	16.0	14.4	230 Btuh
4	2, NFRC 0.25	Vinyl	0.36	S	15.0	14.4	216 Btuh
5	2, NFRC 0.25	Vinyl	0.36	E	36.0	14.4	518 Btuh
6	2, NFRC 0.25	Vinyl	0.36	E	4.0	14.4	58 Btuh
7	2, NFRC 0.25	Vinyl	0.36	E	8.0	14.4	115 Btuh
8	2, NFRC 0.25	Vinyl	0.36	N	36.0	14.4	518 Btuh
9	2, NFRC 0.25	Vinyl	0.36	NW	12.0	14.4	173 Btuh
10	2, NFRC 0.25	Vinyl	0.36	N	36.0	14.4	518 Btuh
11	2, NFRC 0.25	Vinyl	0.36	W	36.0	14.4	518 Btuh
12	2, NFRC 0.25	Vinyl	0.36	N	72.0	14.4	1037 Btuh
13	2, NFRC 0.25	Vinyl	0.36	E	24.0	14.4	346 Btuh
14	2, NFRC 0.25	Vinyl	0.36	N	36.0	14.4	518 Btuh
15	2, NFRC 0.25	Vinyl	0.36	W	24.0	14.4	346 Btuh
16	2, NFRC 0.25	Vinyl	0.36	W	8.0	14.4	115 Btuh
17	2, NFRC 0.25	Vinyl	0.36	W	4.0	14.4	58 Btuh
	Window Total				386.0(sqft)		5558 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	174	5.26	917 Btuh
2	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	40	5.26	211 Btuh
3	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	79	5.26	416 Btuh
4	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	47	5.26	246 Btuh
5	Frame - Wood	- Adj	(0.089)	13.0/0.0	197	3.55	698 Btuh
6	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	455	5.26	2396 Btuh
7	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	111	5.26	582 Btuh
8	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	73	5.26	386 Btuh
9	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	21	5.26	112 Btuh
10	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	51	5.26	267 Btuh
11	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	61	5.26	319 Btuh
12	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	61	5.26	323 Btuh
13	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	26	5.26	137 Btuh
14	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	111	5.26	582 Btuh
15	Conc Blk,Hollow	- Ext	(0.132)	5.0/0.0	317	5.26	1670 Btuh
	Wall Total				1824(sqft)		9262 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.460)	20	18.4	368 Btuh
2	Insulated - Garage,	n	(0.460)	20	18.4	368 Btuh
	Door Total			40(sqft)		736Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Metal	(0.025)	38.0/0.0	2172	1.0	2205 Btuh
	Ceiling Total			2172(sqft)		2205Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Wayne & Wanda Clemons

Lake City, FL 32024

Project Title:
Clemons Residence
Building Type: User

5/31/2019

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	225.0 ft(perim.)	47.2	10620 Btuh
	Floor Total			2069 sqft		10620 Btuh
				Envelope Subtotal:		28382 Btuh
Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.21	20690	1.00	72.1	3158 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)				(DLM of 0.201)	6351 Btuh
All Zones			**Sensible Subtotal All Zones**			**37890 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	37890 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	37890 Btuh

EQUIPMENT

1. Electric Heat Pump	#	37890 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Wayne & Wanda Clemons

Project Title:
Clemons Residence

Lake City, FL 32024

5/31/2019

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

Component Loads for Whole House

Window	Type*					Overhang		Window Area(sqft)			HTM		Load
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.25,	0.36	No	No	S	1.5ft.	1.0ft.	4.0	4.0	0.0	12	14	48 Btuh
2	2 NFRC	0.25,	0.36	No	No	S	1.5ft.	1.0ft.	15.0	15.0	0.0	12	14	181 Btuh
3	2 NFRC	0.25,	0.36	No	No	S	9.5ft.	1.0ft.	16.0	16.0	0.0	12	14	194 Btuh
4	2 NFRC	0.25,	0.36	No	No	S	9.5ft.	1.0ft.	15.0	15.0	0.0	12	14	181 Btuh
5	2 NFRC	0.25,	0.36	No	No	E	1.5ft.	1.0ft.	36.0	1.5	34.5	12	31	1086 Btuh
6	2 NFRC	0.25,	0.36	No	No	E	1.5ft.	1.0ft.	4.0	1.0	3.0	12	31	105 Btuh
7	2 NFRC	0.25,	0.36	No	No	E	1.5ft.	1.0ft.	8.0	0.5	7.5	12	31	238 Btuh
8	2 NFRC	0.25,	0.36	No	No	N	1.5ft.	1.0ft.	36.0	0.0	36.0	12	12	436 Btuh
9	2 NFRC	0.25,	0.36	No	No	NW	9.0ft.	1.0ft.	12.0	0.0	12.0	12	24	284 Btuh
10	2 NFRC	0.25,	0.36	No	No	N	11.5f	1.0ft.	36.0	0.0	36.0	12	12	436 Btuh
11	2 NFRC	0.25,	0.36	No	No	W	12.0f	1.0ft.	36.0	36.0	0.0	12	31	436 Btuh
12	2 NFRC	0.25,	0.36	No	No	N	20.0f	1.0ft.	72.0	0.0	72.0	12	12	871 Btuh
13	2 NFRC	0.25,	0.36	No	No	E	12.0f	1.0ft.	24.0	24.0	0.0	12	31	290 Btuh
14	2 NFRC	0.25,	0.36	No	No	N	1.5ft.	1.0ft.	36.0	0.0	36.0	12	12	436 Btuh
15	2 NFRC	0.25,	0.36	No	No	W	1.5ft.	1.0ft.	24.0	1.0	23.0	12	31	724 Btuh
16	2 NFRC	0.25,	0.36	No	No	W	1.5ft.	1.0ft.	8.0	0.5	7.5	12	31	238 Btuh
17	2 NFRC	0.25,	0.36	No	No	W	1.5ft.	1.0ft.	4.0	1.0	3.0	12	31	105 Btuh
	Excursion													23 Btuh
	Window Total								386 (sqft)					6313 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	174.3	2.0	344 Btuh
2	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	40.0	2.0	79 Btuh
3	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	79.0	2.0	156 Btuh
4	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	46.7	2.0	92 Btuh
5	Frame - Wood - Adj	0.09	13.0/0.0	196.7	1.7	332 Btuh
6	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	455.3	2.0	899 Btuh
7	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	110.7	2.0	218 Btuh
8	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	73.3	2.0	145 Btuh
9	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	21.3	2.0	42 Btuh
10	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	50.7	2.0	100 Btuh
11	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	60.7	2.0	120 Btuh
12	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	61.3	2.0	121 Btuh
13	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	26.0	2.0	51 Btuh
14	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	110.7	2.0	218 Btuh
15	Concrete Blk,Hollow- Ext	0.13	5.0/0.0	317.3	2.0	626 Btuh
	Wall Total			1824 (sqft)		3543 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	13.8	276 Btuh
2	Insulated - Garage	20.0	13.8	276 Btuh
	Door Total	40 (sqft)		552 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Metal/RB	0.025	38.0/0.0	2172.0	0.86	1874 Btuh
	Ceiling Total			2172 (sqft)		1874 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	2069 (ft-perimeter)	0.0	0 Btuh
	Floor Total		2069.0 (sqft)		0 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Wayne & Wanda Clemons

Project Title: Clemons Residence

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024

5/31/2019

			Envelope Subtotal:			12282 Btuh
Infiltration	Type Natural	Average ACH 0.16	Volume(cuft) 20690	Wall Ratio 1	CFM= 54.1	Load 1125 Btuh
Internal gain		Occupants 8	Btuh/occupant X 230	+	Appliance 1200	Load 3040 Btuh
			Sensible Envelope Load:			16447 Btuh
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)		(DGM of 0.313)			5145 Btuh
			Sensible Load All Zones			**21592 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Wayne & Wanda Clemons

Lake City, FL 32024

Project Title: Clemons Residence

Climate:FL_GAINESVILLE_REGIONAL_A

5/31/2019

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**16447 Btuh**
	Sensible Duct Load	5145 Btuh
	Total Sensible Zone Loads	**21592 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**21592 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	1867 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1454 Btuh
	Latent occupant gain (8.0 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4920 Btuh**
	TOTAL GAIN	**26512 Btuh**

EQUIPMENT

1. Central Unit	#	26490 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Clemons Residence	Builder Name:	N/A
Street:		Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32024	Permit Number:	
Owner:	Wayne & Wanda Clemons	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	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	2069
Conditioned floor area below grade (ft²)	0

7. Windows (386.0 sqft.)	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.36 SHGC=0.25	386.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
Area Weighted Average Overhang Depth:		8.391 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (2069.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2069.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (2250.0 sqft.)	Insulation	Area
a. Concrete Block - Int Insul, Exterior	R=5.0	2033.30 ft²
b. Frame - Wood, Adjacent	R=13.0	216.67 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (2172.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	2172.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	517.25

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	26.5	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	37.9	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 50 gallons EF: 0.920
b. Conservation features None	

15. Credits: CV, Pstat

COLUMBIA COUNTY BUILDING DEPARTMENT — FILE COPY — Received for Code Compliance — PLANS EXAMINER

Glass/Floor Area: 0.187

Total Proposed Modified Loads: 64.42

Total Baseline Loads: 65.23

PASS

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

PREPARED BY: _____

DATE: 5/31/2019

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.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

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:	Clemons Residence	Bedrooms:	4	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	2069	Lot #	43
Owner Name:	Wayne & Wanda Clemons	Total Stories:	1	Block/Subdivision:	Meadowlands S/D
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	N/A	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:	Yes	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	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	2069	20690

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2069	20690	Yes	8	4	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	Main	225 ft	0	2069 ft²	----	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Metal	2241 ft²	0 ft²	Light	Y	0.96	No	0.9	No	0	22.6

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2069 ft²	Y	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Double Batt	2172 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	S	Exterior	Concrete Block - Int Insul	Main	5	19	4	10		193.3 ft²	0	0	0.75	0
____	2	E	Exterior	Concrete Block - Int Insul	Main	5	4		10		40.0 ft²		0	0.75	0
____	3	S	Exterior	Concrete Block - Int Insul	Main	5	13		10		130.0 ft²		0	0.75	0
____	4	W	Exterior	Concrete Block - Int Insul	Main	5	4	8	10		46.7 ft²		0	0.75	0
____	5	S	Garage	Frame - Wood	Main	13	21	8	10		216.7 ft²		0.23	0.75	0
____	6	E	Exterior	Concrete Block - Int Insul	Main	5	50	4	10		503.3 ft²		0	0.75	0
____	7	N	Exterior	Concrete Block - Int Insul	Main	5	14	8	10		146.7 ft²		0	0.75	0
____	8	W	Exterior	Concrete Block - Int Insul	Main	5	7	4	10		73.3 ft²		0	0.75	0
____	9	NW	Exterior	Concrete Block - Int Insul	Main	5	3	4	10		33.3 ft²		0	0.75	0
____	10	N	Exterior	Concrete Block - Int Insul	Main	5	8	8	10		86.7 ft²		0	0.75	0
____	11	W	Exterior	Concrete Block - Int Insul	Main	5	9	8	10		96.7 ft²		0	0.75	0
____	12	N	Exterior	Concrete Block - Int Insul	Main	5	13	4	10		133.3 ft²		0	0.75	0
____	13	E	Exterior	Concrete Block - Int Insul	Main	5	5		10		50.0 ft²		0	0.75	0
____	14	N	Exterior	Concrete Block - Int Insul	Main	5	14	8	10		146.7 ft²		0	0.75	0
____	15	W	Exterior	Concrete Block - Int Insul	Main	5	35	4	10		353.3 ft²		0	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	S	Insulated	Main	None	.46	3		6	8	20 ft²
_____	2	S	Insulated	Main	None	.46	3		6	8	20 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	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	2	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	3	S	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	16.0 ft²	9 ft 6 in	1 ft 0 in	None	None
_____	4	S	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	9 ft 6 in	1 ft 0 in	None	None
_____	5	E	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	6	E	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	7	E	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	8.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	8	N	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	9	NW	9	Vinyl	Low-E Double	Yes	0.36	0.25	N	12.0 ft²	9 ft 0 in	1 ft 0 in	None	None
_____	10	N	10	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	11 ft 6 in	1 ft 0 in	None	None
_____	11	W	11	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	12 ft 0 in	1 ft 0 in	None	None
_____	12	N	12	Vinyl	Low-E Double	Yes	0.36	0.25	N	72.0 ft²	20 ft 0 in	1 ft 0 in	None	None
_____	13	E	13	Vinyl	Low-E Double	Yes	0.36	0.25	N	24.0 ft²	12 ft 0 in	1 ft 0 in	None	None
_____	14	N	14	Vinyl	Low-E Double	Yes	0.36	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	15	W	15	Vinyl	Low-E Double	Yes	0.36	0.25	N	24.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	16	W	15	Vinyl	Low-E Double	Yes	0.36	0.25	N	8.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	17	W	15	Vinyl	Low-E Double	Yes	0.36	0.25	N	4.0 ft²	1 ft 6 in	1 ft 0 in	None	None

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	476.674 ft²	476.674 ft²	65.667 ft	10 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000318	1724.2	94.65	178.01	.1307	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.2	37.89 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 14	26.49 kBtu/hr	780 cfm	0.7	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.92	50 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	517.25 f	Attic	103.45 f	Default Leakage	Garage	(Default) c	(Default) c			1	1

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

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* = 99

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. 4
5. Is this a worst case? (yes/no)	5. No
6. Conditioned floor area (sq. ft.)	6. 2069
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.360
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.250
c) Area	7c. 386.0
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. 0.0
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.
2. Masonry (Insulation R-value)	10A2. 5.0
B. Adjacent:	
1. Wood frame (Insulation R-value)	10B1. 13.0
2. Masonry (Insulation R-value)	10B2.
11. Ceiling type and insulation level	
a) Under attic	11a. 38.0
b) Single assembly	11b.
c) Knee walls/skylight walls	11c.
d) Radiant barrier installed	11d. Yes

12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Garage
13. Cooling system:	Capacity 26.5
a) Split system	SEER
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	14.0
14. Heating system:	Capacity 37.9
a) Split system heat pump	HSPF
b) Single package heat pump	HSPF
c) Electric resistance	COP
d) Gas furnace, natural gas	AFUE
e) Gas furnace, LPG	AFUE
f) Other	8.20
15. Water heating system	
a) Electric resistance	EF 0.92
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%
g) Other	
16. HVAC credits claimed (Performance Method)	
a) Ceiling fans	
b) Cross ventilation	Yes
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 32024

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: N/A Community: Lot: 43

Address:

City: Lake City State: FL Zip: 32024

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

_____ x 60 ÷ 20690 = _____
CFM(50) 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 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*.

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: _____