MG 7/16/19

$733.24

Columbia County New Building Permit Application

For Office Use Only Application # 190717 Date Received 7/3/19 By MG Permit # 38481

Zoning Official J.C. / CH Date 7-12-19 Flood Zone X Land Use R&D Zoning PRD

FEMA Map # N/A Elevation N/A MFE 116' River N/A Plans Examiner J.C. Date 7-12-19

Comments Elevation letter at slab Front 25' sides 10' Rear 15'

☐ 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. X-City OR City Water ☐ Fax

Applicant (Who will sign/pickup the permit) Stacy Mansfield Phone 386-623-2383

Address Po Box 1921 Lake City FL 32056

Owners Name Amelia Landing Inc. Phone 754-6699

911 Address 192 SW Beacon Way Lake City FL 32025

Contractors Name ADAM PAPKA Phone 386-623-2383

Address Po Box 1921 Lake City FL 32056

Contractor Email adam@builtbyadam.com ***Include to get updates on this job.

Fee Simple Owner Name & Address Bullard MGMT.

Bonding Co. Name & Address

Architect/Engineer Name & Address Nicholas Gerster, AR 1758 NW Brown Rd

Mortgage Lenders Name & Address NA. LC FL 32055

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

Property ID Number 13-4S-16-02951-104 Estimated Construction Cost 125,000

Subdivision Name AMELIA LANDING Lot 4 Block Unit Phase 1

Driving Directions from a Major Road FROM HWY 90 TAKE SISTERS WELCOME SOUTH TO ~~[illegible] & Continue 1/2 mile, see~~ Business Point Drive, Go & Go 1/2 mile, see Beacon Way on (L) House 6th on (R)

Construction of New Home Commercial OR X Residential

Proposed Use/Occupancy Single Family Number of Existing Dwellings on Property

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

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

Actual Distance of Structure from Property Lines - Front 50 Side 33 Side 33 Rear 92

Number of Stories 1 Heated Floor Area 1409 Total Floor Area 2023 Acreage 1/2 ACRE

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

7/16 - MG Spoke w/ Adam - Need EH 7/18 MG left message for city letter JW spoke w/ Adam 8.6.19

Spoke to Adam 8/13/19

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.

Chris A. Bullard — **Print Owners Name**

Chris A Bullard — **Owners Signature**

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

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

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

Contractor's Signature

Contractor's License Number CBC1253409
Columbia County Competency Card Number 514

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 3 **day of** July **20** 19

Personally known ☑ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

Legend

2018Aerials

Parcels

Addresses

2018 Flood Zones

- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

LidarElevations

Roads

- Roads
- others
- Dirt
- Interstate

Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Jul 19 2019 09:09:50 GMT-0400 (Eastern Daylight Time)

Parcel Information

Parcel No: 13-4S-16-02951-104

Owner: AMELIA LANDING INC

Subdivision: AMELIA LANDING PHASE 1

Lot:

Acres: 0.495943636

Deed Acres:

District: District 5 Tim Murphy

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD

"AMELIA LANDING PHASE 1"

A PLANNED RESIDENTIAL DEVELOPMENT

SECTION 13, TOWNSHIP 4 SOUTH, RANGE 16 EAST.
COLUMBIA COUNTY, FLORIDA

PLAT BOOK 1 PAGE 39 PRRD
SHEET 2 OF 2

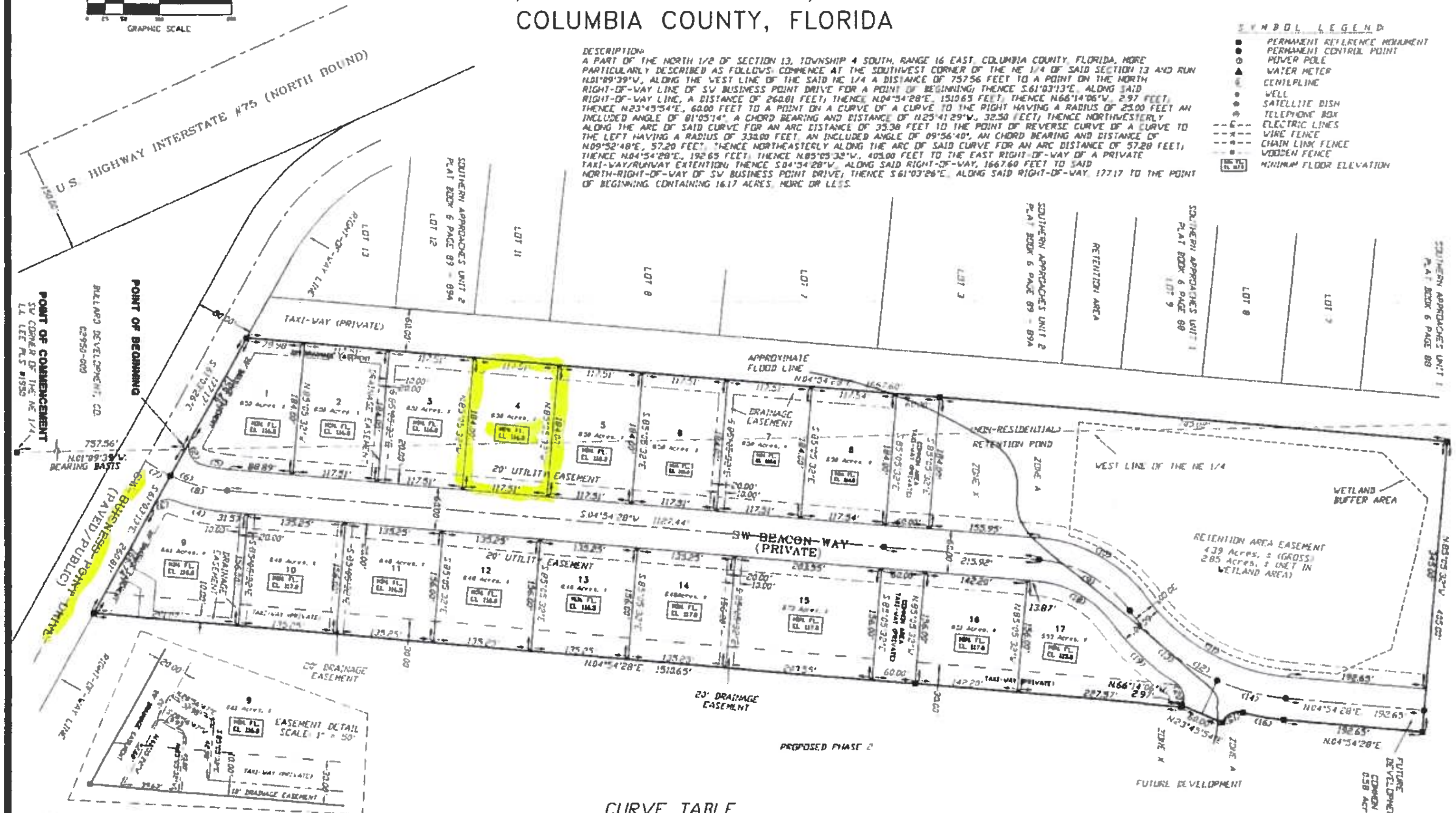
SCALE: 1" = 100'

GRAPHIC SCALE

DESCRIPTION:
A PART OF THE NORTH 1/2 OF SECTION 13, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF THE NE 1/4 OF SAID SECTION 13 AND RUN N.01°09'39"W., ALONG THE WEST LINE OF THE SAID NE 1/4 A DISTANCE OF 757.56 FEET TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF SW BUSINESS POINT DRIVE FOR A POINT OF BEGINNING; THENCE S.61°03'13"E., ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 260.01 FEET; THENCE N.04°54'28"E., 1510.65 FEET; THENCE N.66°14'06"W., 2.97 FEET; THENCE N.23°45'54"E., 60.00 FEET TO A POINT ON A CURVE OF A CURVE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET AN INCLUDED ANGLE OF 81°05'14", A CHORD BEARING AND DISTANCE OF N.25°41'29"W., 32.50 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 35.38 FEET TO THE POINT OF REVERSE CURVE OF A CURVE TO THE LEFT HAVING A RADIUS OF 330.00 FEET, AN INCLUDED ANGLE OF 09°56'40", AN CHORD BEARING AND DISTANCE OF N.09°52'48"E., 57.20 FEET; THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE FOR AN ARC DISTANCE OF 57.28 FEET; THENCE N.04°54'28"E., 192.65 FEET; THENCE N.85°05'32"W., 405.00 FEET TO THE EAST RIGHT-OF-WAY OF A PRIVATE TAXI-WAY/RUNWAY EXTENTION; THENCE S.04°54'28"W., ALONG SAID RIGHT-OF-WAY, 1667.60 FEET TO SAID NORTH-RIGHT-OF-WAY OF SW BUSINESS POINT DRIVE; THENCE S.61°03'26"E., ALONG SAID RIGHT-OF-WAY, 177.17 TO THE POINT OF BEGINNING. CONTAINING 16.17 ACRES, MORE OR LESS.

SYMBOL LEGEND

- PERMANENT REFERENCE MONUMENT
- PERMANENT CONTROL POINT
- POWER POLE
- WATER METER
- CENTERLINE
- WELL
- SATELLITE DISH
- TELEPHONE BOX
- ELECTRIC LINES
- WIRE FENCE
- CHAIN LINK FENCE
- WOODEN FENCE
- MINIMUM FLOOR ELEVATION



CURVE TABLE

NO.	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	756.20'	34°31'55"	455.76'	235.04'	448.89'	N.43°53'20"W.
2	25.00'	103°05'56"	44.99'	31.48'	39.16'	S.67°23'49"W.
3	25.00'	82°00'03"	35.78'	21.73'	32.80'	N.20°03'12"W.
4	260.00'	16°02'22"	72.78'	36.63'	72.55'	S.12°53'39"W.
5	200.00'	10°56'23"	38.19'	19.15'	38.13'	S.10°22'40"W.
6	230.00'	30°21'50"	121.89'	62.41'	120.47'	S.20°05'23"W.
7	230.00'	09°58'47"	40.06'	20.08'	40.01'	N.30°16'54"E.
8	230.00'	20°23'03"	81.83'	41.35'	81.40'	N.15°05'59"E.
9	175.00'	48°37'11"	148.50'	79.05'	144.09'	N.29°13'04"E.
10	205.00'	48°37'11"	173.96'	92.60'	168.79'	N.29°13'04"E.
11	270.00'	48°37'11"	229.12'	121.97'	222.30'	S.29°13'04"W.
12	300.00'	48°37'11"	254.57'	135.52'	247.00'	S.29°13'04"W.
13	300.00'	29°45'45"	155.84'	79.72'	154.09'	N.38°38'47"E.
14	300.00'	18°51'26"	98.74'	49.82'	98.29'	N.14°20'11"E.
15	25.00'	81°05'14"	35.38'	21.38'	32.50'	N.25°41'29"W.
16	330.00'	09°56'40"	57.28'	28.71'	57.20'	N.09°52'48"E.
17	20.00'	71°08'34"	24.83'	14.30'	23.27'	S.30°39'49"E.
18	145.00'	48°37'11"	123.04'	65.50'	119.38'	N.29°13'04"E.
19	330.00'	20°50'59"	120.09'	60.71'	119.42'	S.43°06'70"W.
20	25.00'	81°05'14"	35.38'	21.38'	32.50'	N.73°13'17"E.

NOTICE:
THIS PLAT AS RECORDED IN ITS GRAPHICAL FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY OTHER GRAPHICAL OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE:
ALL PLATTED UTILITY EASEMENTS SHALL PROVIDE THAT SUCH EASEMENTS SHALL ALSO BE FOR THE CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES, PROVIDED, HOWEVER, NO SUCH CONSTRUCTION, INSTALLATION, MAINTENANCE, AND OPERATION OF CABLE TELEVISION SERVICES SHALL INTERFERE WITH THE FACILITIES AND SERVICES OF ELECTRIC, TELEPHONE, GAS OR OTHER PUBLIC UTILITY. IN THE EVENT THAT A CABLE TELEVISION COMPANY DAMAGES THE FACILITIES OF A PUBLIC UTILITY, IT SHALL BE SOLELY RESPONSIBLE FOR THE DAMAGES.

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L- 16538

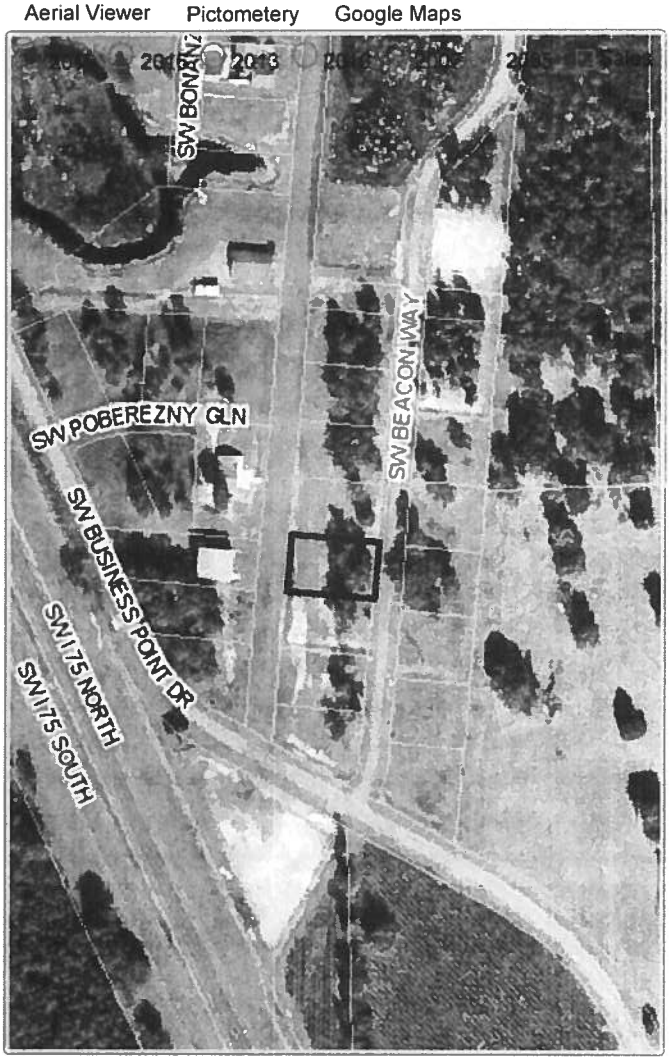
Columbia County Property Appraiser

Jeff Hampton

2018 Tax Roll Year
updated: 6/25/2019

Parcel: << **13-4S-16-02951-104** >>

Aerial Viewer | Pictometery | Google Maps



Owner & Property Info

Result: 1 of 1

Owner	AMELIA LANDING INC P O BOX 1733 LAKE CITY, FL 320561733		
Site	,		
Description*	LOT 4 AMELIA LANDING PHASE 1.		
Area	0.5 AC	S/T/R	13-4S-16
Use Code**	VACANT (000000)	Tax District	2

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

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	$21,000	Mkt Land (1)	$17,000
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$21,000	Just	$17,000
Class	$0	Class	$0
Appraised	$21,000	Appraised	$17,000
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$21,000	Assessed	$17,000
Exempt	$0	Exempt	$0
Total Taxable	county:$21,000 city:$21,000 other:$21,000 school:$21,000	Total Taxable	county:$17,000 city:$17,000 other:$17,000 school:$17,000

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
NONE						

Building Characteristics

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

Extra Features & Out Buildings (Codes)

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

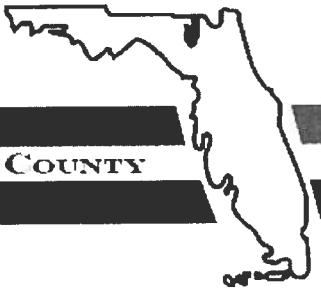
Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (0.500 AC)	1.00/1.00 1.00/1.00	$17,000	$17,000

Search Result: 1 of 1

by: GrizzlyLogic.com

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:	**7/8/2019 3:19:07 PM**
Address:	**192 SW BEACON Way**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32025**
Parcel ID	**02951-104**

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

This Instrument Prepared by & return to:
Chris A. Bullard
Bullard Development Co.
Address: P.O. Box 766
Lake City, FL 32056-0766

Property Appraisers Parcel ID Numbers(s)
13-4S-16-02949-000

Space above this line for processing data

WARRANTY DEED
FROM CORPORATION

AMELIA

Inst:2006008697 Date:04/10/2006 Time:11:33
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1080 P:237

Space above this line for recording data

This Warranty Deed Made and executed the 3rd Day of April , 2006, by Bullard Development Co., a corporation existing under the laws of the State of Florida, and having its principal place of business at: P.O. Box 766, Lake City, FL 32056-0766, hereinafter called the grantor, to: Amelia Landing Inc, a corporation existing under the laws of the State of Florida, and having its principal place of business at : P.O. Box 1733, Lake City, FL 32056-1733, hereinafter called the Grantee.

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

Witnesseth. That the Grantor, for and in consideration of the sum of $10.00 (Ten Dollars) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee, all that certain land, situate in Columbia County, State of Florida, viz:

See Schedule A attached

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

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

And the Grantor hereby covenants with said grantee that it is lawfully seized of said land in fee simple; that it has the good right and lawful authority to sell and convey said land; that it hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

(Corporate Seal)

In Witness Whereof, the said Grantor has caused these presents to be executed in its name, and its corporate seal to be hereunto affixed, by its proper officers thereunto duly authorized, the day and year first above written.

ATTEST: _____
Secretary

Signed, sealed and delivered in the presence of:

_____
Witness Signature

Julie Bielling
Printed Name

_____
Witness Signature

Ethel M. Rasor
Printed Name

Bullard Development Co.
Name of Grantor

_____
Vice President(Signature)

Chris A. Bullard, Vice President
Vice President's Printed Name

P.O. Box 1432, Lake City, FL 32056-0766
Grantor's Post Office Address

STATE OF FLORIDA
COUNTY OF COLUMBIA

I hereby Certify that on this day, before me, an officer duly authorized to administer oaths and take acknowledgments, personally appeared Chris A. Bullard, known to me to be the Vice President of Bullard Development Co., the corporation in whose name the foregoing instrument was executed, and that he severally acknowledged executing the same for such corporation, freely and voluntarily, under authority duly vested in him by said corporation and that the seal affixed thereto is the true corporate seal of the corporation, and that an oath was not taken. Said person is personally known to me X.
Said person produced the following type of identification:_____.

Witness my hand and official seal in the County and State last aforesaid this 3rd of April, 2006.

Ethel M. Rasor
Commission # DD367533
Expires April 8, 2009

_____
Notary Signature

SCHEDULE A

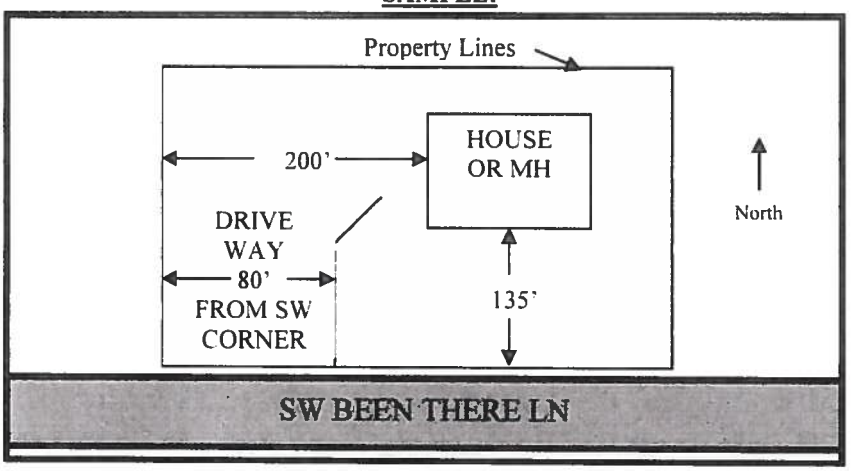
DESCRIPTION: {NORTH 5.18 ACRES OF TOTAL TRACT}
A PART OF THE NORTH 1/2 OF SECTION 13, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF THE NE 1/4 OF SAID SECTION 13 AND RUN N 01°09'39"W., ALONG THE WEST LINE OF THE SAID NE 1/4 A DISTANCE OF 745.94 FEET TO THE NEW NORTH RIGHT-OF-WAY LINE OF SW BUSINESS POINT DRIVE, THENCE S.61°09'10"E., ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 259.23 FEET; THENCE N.04°54'28"E., A DISTANCE OF 1069.33 FEET FOR A POINT OF BEGINNING. THENCE CONTINUE N.04°54'28"E., A DISTANCE OF 564.10 FEET; THENCE N.85°05'32"W., A DISTANCE OF 400.00 FEET; THENCE S 01°13'06"E., A DISTANCE OF 567.34 FEET; THENCE S 85°05'32"E., A DISTANCE OF 339.46 FEET TO THE POINT OF BEGINNING.
CONTAINING 4.87 ACRES MORE OR LESS.

Inst:2006008687 Date:04/10/2006 Time:11:33
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1080 P:230

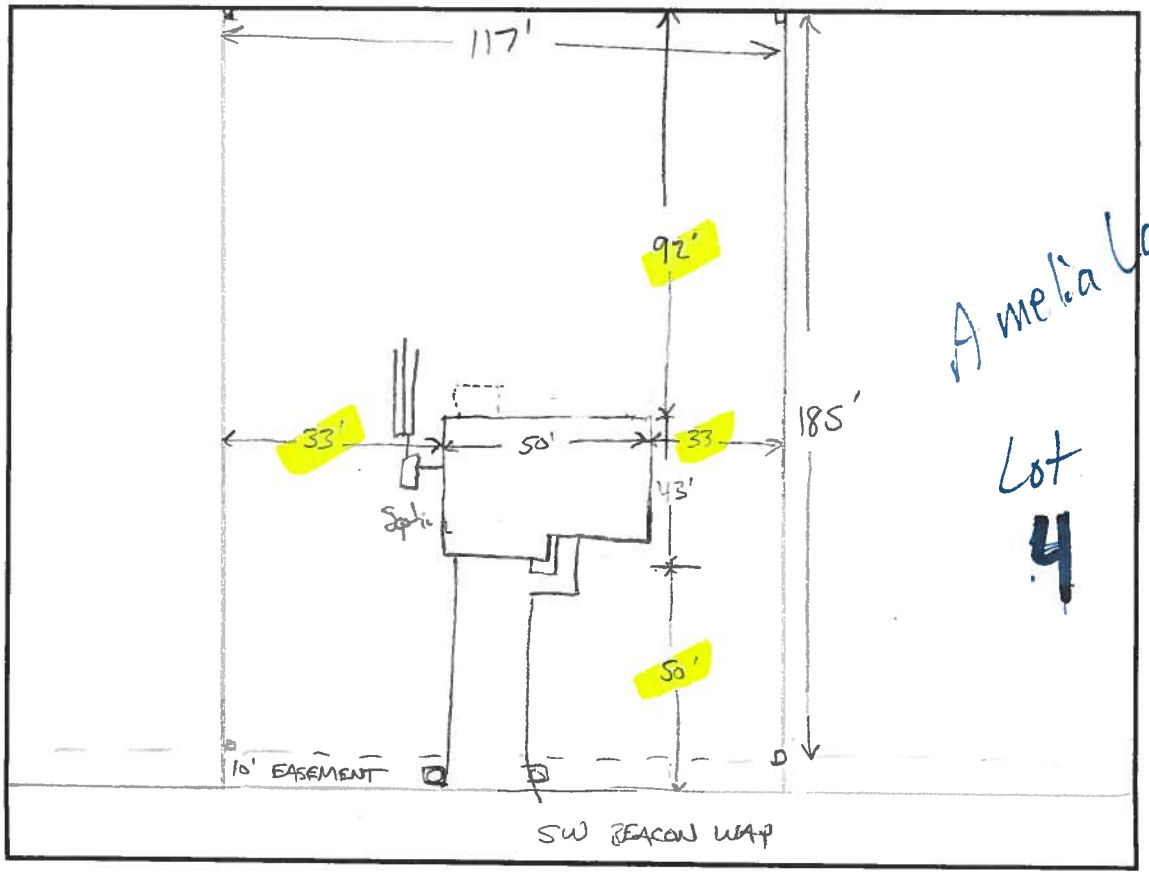
Page 2, Site Plan for 9-1-1 Address Application From

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:



Amelia Landing
Lot
4

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1907-17 JOB NAME _____

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

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

			Need
ELECTRICAL ☑	Print Name DONALD DAVIS	Signature Ronald Davis	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# 380	Company Name: HIGH SPRINGS ELECTRIC		
	License # EC13002306	Phone #: 386-623-0499	
MECHANICAL/ ☐	Print Name CLINT WILSON	Signature Clint Wilson	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
A/C B	Company Name: WILSON HEATING & AIR CONDITIONING		
CC# 802	License #: CAC057886	Phone #: 386-623-0618	
PLUMBING/	Print Name MARC B BARRS	Signature Marc Barrs	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
GAS ☑	Company Name: BARRS PLUMBING		
CC# 714	License #: CFC057219	Phone #: 752-8656	
ROOFING ☑	Print Name CALEB LAUGHLIN	Signature Caleb Laughlin	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name: Precision Exteriors LLC		
CC# 494	License #: CCC1327718	Phone #: 752-4022	
SHEET METAL N/A	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
CC#	License #:	Phone #:	
FIRE SYSTEM/ **SPRINKLER** N/A	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
CC#	License#:	Phone #:	
SOLAR N/A	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
CC#	License #:	Phone #:	
STATE SPECIALTY N/A	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
CC#	License #:	Phone #:	

CITY OF LAKE CITY
Florida's Gateway Est. 1869

July 29, 2019

Bullard Management Services, Inc.
PO BOX 1432
Lake City, FL 32056

RE: Service Availability Letter

To Whom It May Concern,

Thank you for your inquiry regarding the availability of city utilities. The City of Lake City has potable water and sanitary sewer available to tap into at 192 SW Beacon Way, Parcel 13-4S-16-02951-104.

This availability response does not represent the City of Lake City's commitment for or reservation of capacity. In accordance with the City of Lake City's policies and procedures, commitment to serve is made only upon the City of Lake City's approval of your application for service and receipt of your payment for all applicable fees.

If you have any questions, please feel free to contact me at (386) 719-5786 during our normal business hours of 8:00 am to 4:30 pm, Monday through Friday. I will be happy to assist you.

Sincerely,

Shasta Pelham
Utility Service Coordinator

Brian Scott
Director of Distribution and Collections

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES
Revised 12/2016

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
1	Two (2) complete sets of plans containing the following:	- Yes
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	- Yes
3	Condition space (Sq. Ft.) 2457 Total (Sq. Ft.) under roof 3048	YES NO N/A

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

Site Plan information including:

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
8	**Plans or specifications must show compliance with FBCR Chapter 3**	YES NO N/A
		Select From the Dropbox
9	Basic wind speed (3-second gust), miles per hour	- Yes
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	- Yes
11	Wind importance factor and nature of occupancy	- Yes
12	The applicable internal pressure coefficient, Components and Cladding	- Yes
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	- Yes

Elevations Drawing including:

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

Floor Plan including:

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

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

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

YES / NO / N/A

FBCR 403: Foundation Plans

Select From the Dropbox

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	Yes

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	Yes

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

YES / NO / N/A

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted.** *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

YES / NO / N/A

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
73	Show the insulation R value for the following areas of the structure	- Yes
74	Attic space	- Yes
75	Exterior wall cavity	- Yes
76	Crawl space	- Yes
	HVAC information	
77	Submit two copies of a Manual J sizing equipment or equivalent computation study	- Yes
78	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	- Yes
79	Show clothes dryer route and total run of exhaust duct	- Yes
	Plumbing Fixture layout shown	
80	All fixtures waste water lines shall be shown on the foundation plan	- Yes
81	Show the location of water heater	- Yes
	Private Potable Water	
82	Pump motor horse power	- Yes
83	Reservoir pressure tank gallon capacity	- Yes
84	Rating of cycle stop valve if used	- Yes
	Electrical layout shown including	
85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	- Yes
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**	- Yes
87	Show the location of smoke detectors & Carbon monoxide detectors	- Yes
88	Show service panel, sub-panel, location(s) and total ampere ratings	- Yes
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	- Yes
90	Appliances and HVAC equipment and disconnects	- Yes
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.	- Yes

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

Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement
A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

Section R101.2.1 of the Florida Building Code Residential:

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

FLORIDA PRODUCT APPROVALS
10-16-15

Rogue Valley Wood FL-13137

Item:	Manufacturer	Product Description:	Approval Number:
Exterior Doors:	Masonite	Inswing & Outswing Fiberglass	FL-8228-R7
	Masonite	Inswing & Outswing Steel	FL-4904-R7
	Plastpro	8'0" Inswing & Outswing Fiberglass	FL-15220-R1
	Plastpro	Inswing & Outswing Steel	FL-15962-R2
	Plastpro	6'8" Inswing & Outswing Fiberglass	FL-15215-R3 flush glazed
		6'8" Fib- glazed door	FL-17347
Windows:	MI	Aluminum 185 Single Hung	FL-17499
		Aluminum 185 Picture Window	FL-15349
	* 53"x50"	3580 Hor. slider	FL-13349.2
1-7-16 Finless covers Hardie & finless per Jason		Vinyl 3540 Single Hung	FL-17676-R1
		Vinyl 3500 Picture Window	FL-18644
	Atrium	150/160	FL-11834
	Magnolia	Vinyl 400 Single Hung	FL-16475-R3
		Vinyl 400 Picture Window	FL-16474-R2
5-16	63" x 44"	400 Hor. slider	FL-16476.1
Soffit:	Kaycan	Vinyl/PVC & Aluminum Soffit	FL-16503
		Vinyl Siding	FL-15867-R1
	LCIHW (House Wrap)	International Bldg Code	ESR3774
Underlayment:	Woodland	30# Felt	FL-17206-R3
	Interwrap	Rhino	FL-15216
Roofing:	Certainteed	Asphalt Shingles	FL-5444
	GAF	Asphalt Shingles	FL-10124-R16
	Tamko	Asphalt Shingles	FL-18355
Polyglass S.A.P FL-1654 R20	Certainteed	Flintlastic SBS & APP	FL-16709.1
Siding:	Allura of Plycem	Cement board lap siding	FL-17482-R2
	James Hardie	Cement board lap siding	FL-13192-R4
Simpson		LSTA – MSTA, SPH4	FL-13872-R2
	GAF	Tiger Paw Underlayment	FL-15487-R5
Metal Roofing		5V Roofing Master Rib Roofing	FL-9555-R3 FL-9557-R3

Hardie Union CemPlank 13192.1

5-17-16 per Owner SF 6 Pan 15187. Plastpro

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

RE: Amelia_1409 - Amelia 1409

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

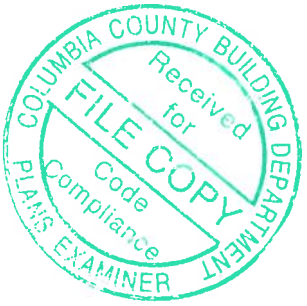
Site Information:
Customer Info: Adam's Construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: FL

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

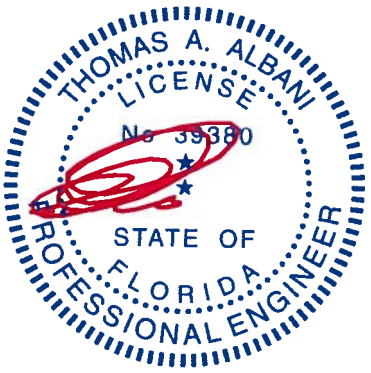
This package includes 33 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T17426005	A1GIR	6/24/19	23	T17426027	C5	6/24/19
2	T17426006	A2	6/24/19	24	T17426028	C6	6/24/19
3	T17426007	A3	6/24/19	25	T17426029	C7	6/24/19
4	T17426008	A4	6/24/19	26	T17426030	CJ01	6/24/19
5	T17426009	A5	6/24/19	27	T17426031	D1GE	6/24/19
6	T17426010	A6	6/24/19	28	T17426032	D2	6/24/19
7	T17426011	A7	6/24/19	29	T17426033	D3GIR	6/24/19
8	T17426012	A8	6/24/19	30	T17426034	J1	6/24/19
9	T17426013	A9	6/24/19	31	T17426035	J2	6/24/19
10	T17426014	A10	6/24/19	32	T17426036	J3	6/24/19
11	T17426015	B1GE	6/24/19	33	T17426037	J4	6/24/19
12	T17426016	B2	6/24/19				
13	T17426017	B3	6/24/19				
14	T17426018	B4	6/24/19				
15	T17426019	B5	6/24/19				
16	T17426020	B6	6/24/19				
17	T17426021	B7	6/24/19				
18	T17426022	B8	6/24/19				
19	T17426023	C1GIR	6/24/19				
20	T17426024	C2	6/24/19				
21	T17426025	C3	6/24/19				
22	T17426026	C4	6/24/19				



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: June 24,2019

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	Amelia 1409
AMELIA_1409	A1GIR	Half Hip Girder	1	2	T1742600

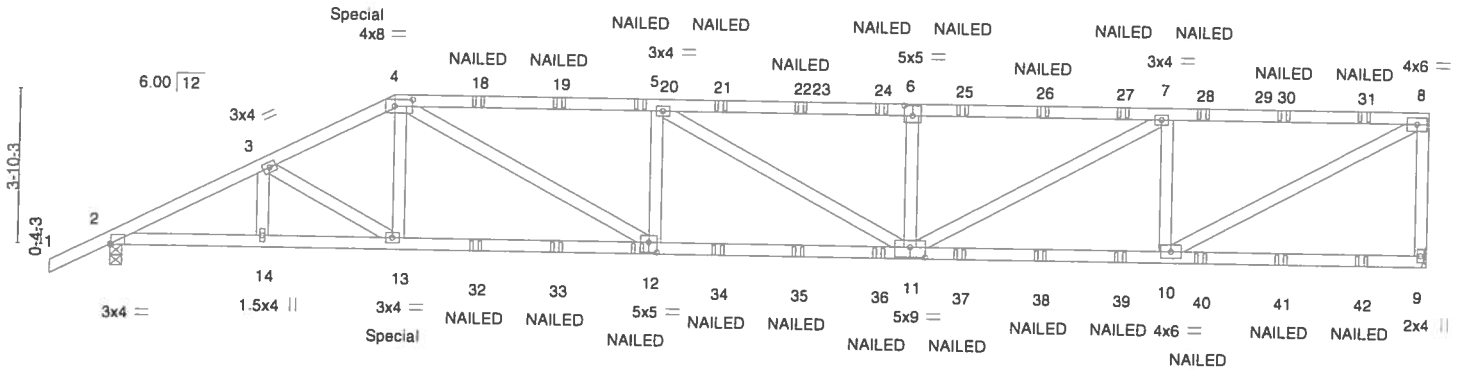
Mayo Truss Company, Inc., Mayo, FL - 32066, Job Reference (optional)

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:14 2019 Page 1

ID:k1_mbx8QqT5igcwMeWHkLNz33N1-b2jgFfyAolysTPNxKTzQ6w925qBX4KGqNrKhG8z321N

-1-6-0	3-9-4	7-0-0	13-5-14	19-10-0	26-2-2	32-8-0
1-6-0	3-9-4	3-2-12	6-5-14	6-4-2	6-4-2	6-5-14

Scale = 1:57



3-9-4	7-0-0	13-5-14	19-10-0	26-2-2	32-8-0
3-9-4	3-2-12	6-5-14	6-4-2	6-4-2	6-5-14

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [4:0-5-4,0-2-0], [6:0-2-8,0-3-0], [11:0-4-8,0-3-0], [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	1.00	Vert(LL)	-0.23	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.49	11-12	>802	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 348 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 or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=2808/Mechanical, 2=2679/0-3-8
Max Horz 2=117(LC 7)
Max Uplift 9=-18(LC 8), 2=-6(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5273/0, 3-4=-5156/0, 4-5=-6533/23, 5-6=-6374/51, 6-7=-6374/51, 7-8=-4278/59, 8-9=-2670/83
BOT CHORD 2-14=0/4662, 13-14=0/4662, 12-13=0/4624, 11-12=0/6563, 10-11=-24/4278
WEBS 4-13=0/695, 4-12=-71/2230, 5-12=-760/207, 6-11=-743/170, 7-11=0/2403, 7-10=-2016/190, 8-10=-27/4818

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=33ft; 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 138 lb up at 7-0-0 on top chord, and 358 lb down at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: June 24,201

Continued on page 2

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: 1-4=-60, 4-8=-60, 9-15=-20
   Concentrated Loads (lb)
      Vert: 4=-184(B) 12=-62(B) 13=-358(B) 18=-125(B) 19=-125(B) 20=-125(B) 21=-125(B) 22=-125(B) 24=-125(B) 25=-125(B) 26=-125(B) 27=-125(B) 28=-125(B) 30=-125(B) 31=-125(B) 32=-62(B) 33=-62(B) 34=-62(B) 35=-62(B) 36=-62(B) 37=-62(B) 38=-62(B) 39=-62(B) 40=-62(B) 41=-62(B) 42=-62(B)

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A2	Hip	1	1	T17426006

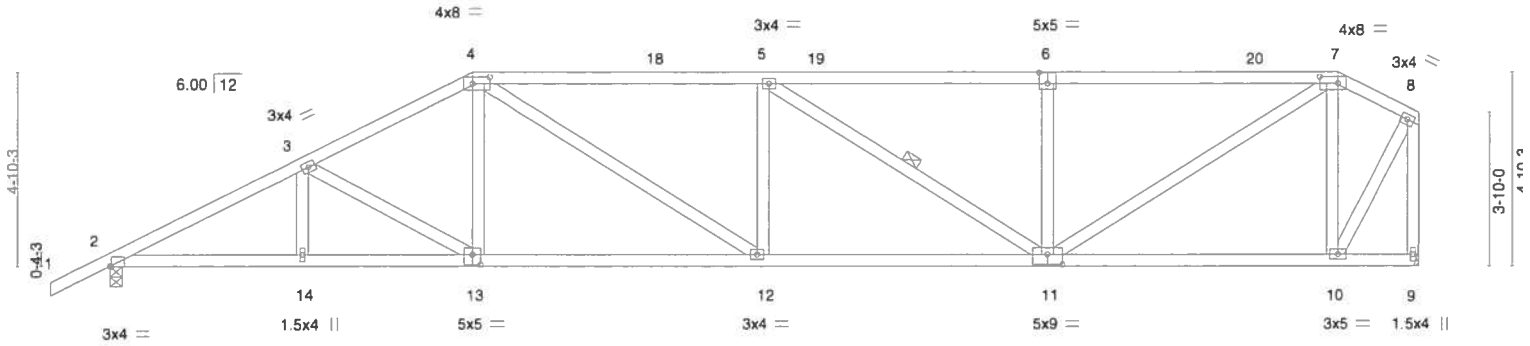
Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:15 2019 Page 1

ID:k1_mbx8QqT5igcwMeWHkLNz33N1-4EH2T?zoZc4j4Zy7tBUff8iKkEaoppCzbU4Eobz321M

-1-6-0	4-9-4	9-0-0	16-3-2	23-4-9	30-7-11	32-8-0
1-6-0	4-9-4	4-2-12	7-3-2	7-1-6	7-3-2	2-0-5

Scale = 1:57.9



4-9-4	9-0-0	16-3-2	23-4-9	30-7-11	32-8-0
4-9-4	4-2-12	7-3-2	7-1-6	7-3-2	2-0-5

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [4:0-5-4,0-2-0], [6:0-2-8,0-3-4], [7:0-5-8,0-2-0], [11:0-4-8,0-3-0], [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	0.56	Vert(LL)	-0.14	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.32	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 184 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 5-11

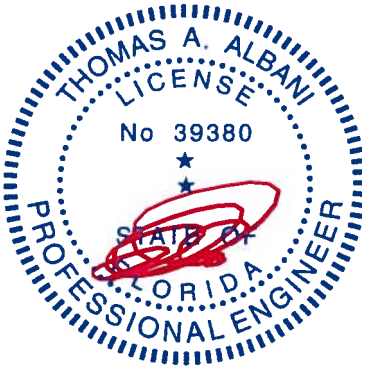
REACTIONS. (lb/size) 2=1393/0-3-8, 9=1299/Mechanical
Max Horz 2=135(LC 11)
Max Uplift 2=-37(LC 12)

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

TOP CHORD	2-3=-2496/510, 3-4=-2169/483, 4-5=-2390/561, 5-6=-1948/470, 6-7=-1948/470, 7-8=-641/189, 8-9=-1308/263
BOT CHORD	2-14=-600/2182, 13-14=-600/2182, 12-13=-476/1894, 11-12=-552/2390, 10-11=-142/553
WEBS	3-13=-338/143, 4-13=0/374, 4-12=-109/683, 5-11=-529/129, 6-11=-450/207, 7-11=-356/1652, 7-10=-908/293, 8-10=-242/1178

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=33ft; 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) 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) 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.



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

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

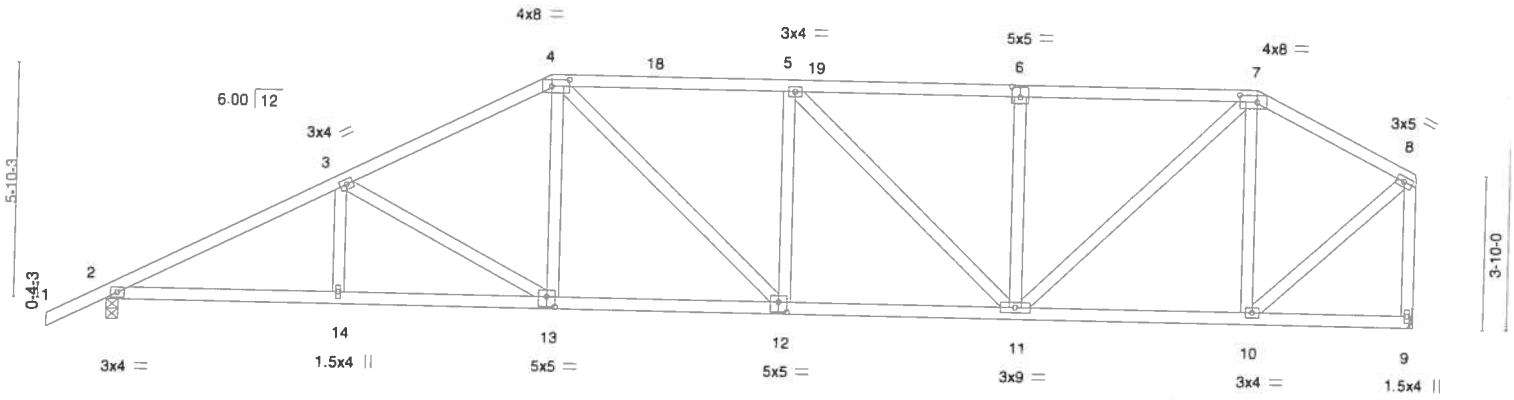
Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A3	Hip	1	1	T174260(

Mayo Truss Company, Inc., Mayo, FL - 32066, Job Reference (optional)

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:16 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-YRrQgL_QKwCaijXKRu?uBLEY4eyyYF57q8poK1z321L

-1-6-0	5-9-4	11-0-0	16-11-2	22-8-9	28-7-11	32-8-0
1-6-0	5-9-4	5-2-12	5-11-2	5-9-6	5-11-2	4-0-5

Scale = 1:57



	5-9-4	11-0-0	16-11-2	22-8-9	28-7-11	32-8-0
	5-9-4	5-2-12	5-11-2	5-9-6	5-11-2	4-0-5

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-2-8,0-3-0], [7:0-5-4,0-2-0], [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	0.33	Vert(LL)	-0.11	12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.23	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 193 lb	FT = 0%

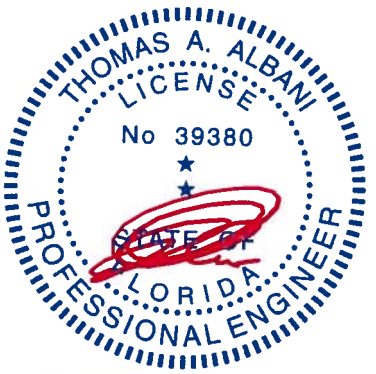
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 2=1393/0-3-8, 9=1299/Mechanical
Max Horz 2=152(LC 11)
Max Uplift 2=-37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2469/519, 3-4=-2004/476, 4-5=-1932/499, 5-6=-1641/438, 6-7=-1641/438, 7-8=-989/272, 8-9=-1264/295
BOT CHORD 2-14=-595/2151, 13-14=-595/2151, 12-13=-429/1725, 11-12=-453/1934, 10-11=-201/826
WEBS 3-13=-489/190, 4-13=-27/400, 4-12=-46/401, 5-11=-417/104, 6-11=-369/166, 7-11=-243/1135, 7-10=-637/220, 8-10=-228/1111

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=33ft; 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) 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) 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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: June 24,2019

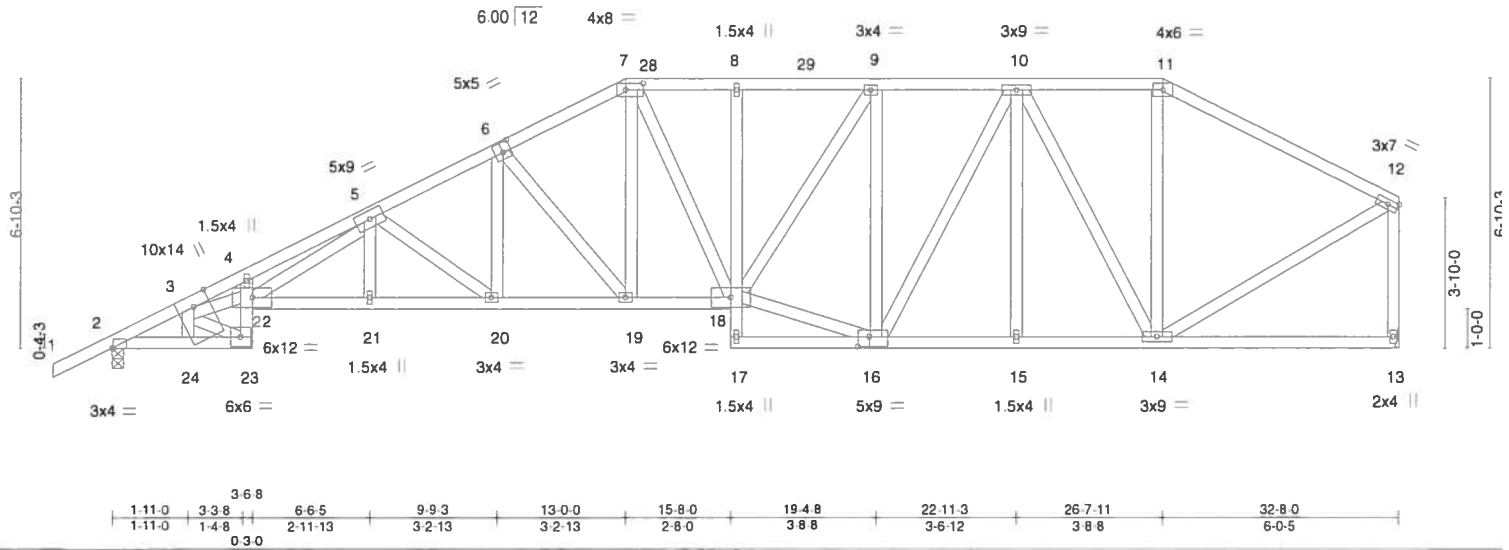
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A4	Hip	1	1	T17426008
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:18 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-UpyB51?grXSIx0hiYJ2MGmKo_RXk04IPHSIuPwz321J

1-6-0 1-11-0 3-3-8 6-6-5 9-9-3 13-0-0 15-8-0 19-4-8 22-11-3 26-7-11 32-8-0
1-6-0 1-11-0 1-4-8 3-2-13 3-2-13 3-2-13 2-8-0 3-8-8 3-6-12 3-8-8 6-0-5

Scale = 1:58.8



1-11-0 3-3-8 6-6-5 9-9-3 13-0-0 15-8-0 19-4-8 22-11-3 26-7-11 32-8-0
1-11-0 1-4-8 2-11-13 3-2-13 3-2-13 2-8-0 3-8-8 3-6-12 3-8-8 6-0-5
3-6-8
0-3-0

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [6:0-2-8,0-3-0], [7:0-5-4,0-2-0], [16:0-3-8,0-3-0], [24:0-0-13,0-1-9]

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)	-0.22	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.45	21-22	>869	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.22	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 241 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-23,18-22: 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.

REACTIONS. (lb/size) 2=1393/0-3-8, 13=1299/Mechanical
Max Horz 2=170(LC 11)
Max Uplift 2=-37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2391/474, 3-4=-4737/1183, 4-5=-5113/1336, 5-6=-2577/629, 6-7=-2078/541, 7-8=-1895/516, 8-9=-1889/515, 9-10=-1572/457, 10-11=-994/337, 11-12=-1186/323, 12-13=-1238/318
BOT CHORD 2-24=-607/2124, 23-24=-602/2110, 22-23=-304/1106, 21-22=-827/3008, 20-21=-827/3007, 19-20=-588/2243, 18-19=-446/1835, 15-16=-312/1348, 14-15=-312/1348
WEBS 3-24=-333/120, 3-23=-1611/464, 3-22=-986/3406, 5-22=-596/1947, 5-20=-925/291, 6-20=-116/557, 6-19=-663/227, 7-19=-146/614, 7-18=-23/258, 16-18=-352/1505, 9-18=-166/629, 9-16=-751/246, 10-16=-110/472, 10-14=-788/164, 11-14=0/281, 12-14=-219/1104

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=33ft; 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) 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) 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.

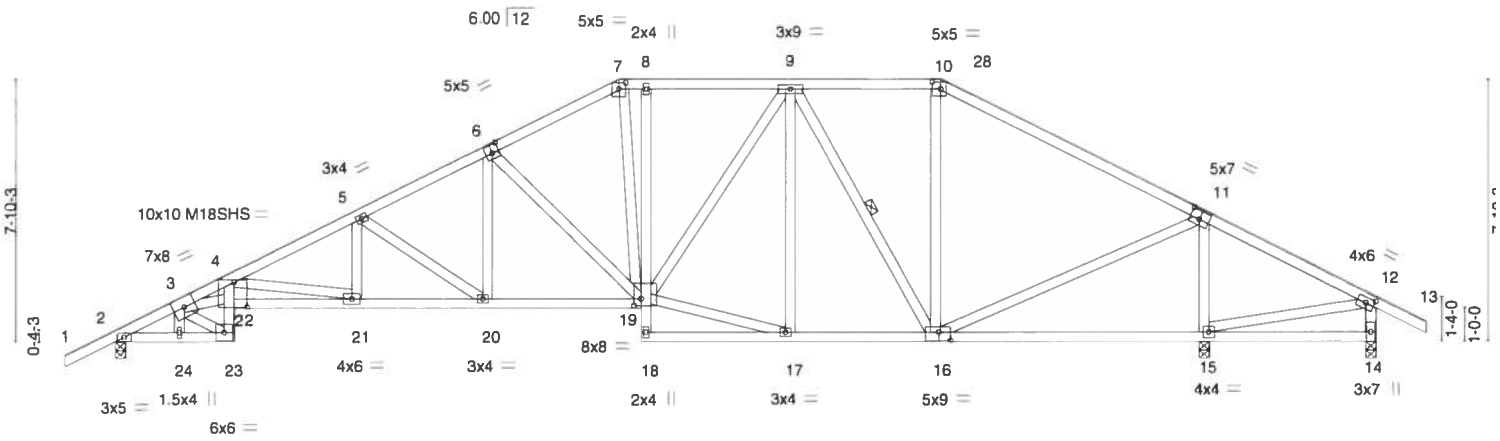
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A5	Hip	1	1	T17426009
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:20 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-QC4xWi1wN8i0BKq5gk4qMBP65FDDU_Bilmn?Toz321H

Scale = 1:69.3



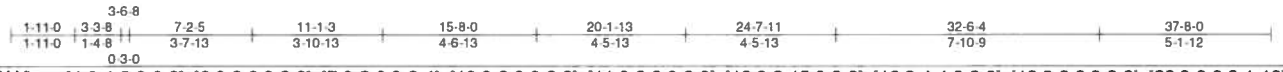


Plate Offsets (X,Y)-- [4:0-4-8,0-9-0], [6:0-2-8,0-3-0], [7:0-2-8,0-2-4], [10:0-3-0,0-2-8], [11:0-3-8,0-3-0], [12:0-2-15,0-2-0], [16:0-4-4,0-3-0], [19:0-2-8,0-2-8], [22:0-0-0,0-1-12]

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	0.78	Vert(LL)	-0.21	21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.98	Vert(CT)	-0.43	21-22	>902	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.20	15	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 257 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-23,19-22: 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 9-16

REACTIONS. (lb/size) 2=1245/0-3-8, 15=2593/0-3-8, 14=-648/0-3-8
Max Horz 2=164(LC 11)
Max Uplift 2=-41(LC 12), 14=-772(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2089/451, 3-4=-4610/991, 4-5=-2704/610, 5-6=-1984/490, 6-7=-1399/407, 7-8=-1257/406, 8-9=-1256/408, 9-10=-579/291, 10-11=-761/259, 11-12=-296/1459, 12-14=-77/794
BOT CHORD 2-24=-377/1851, 23-24=-389/1890, 22-23=-237/1222, 4-22=-230/1333, 21-22=-958/4642, 20-21=-437/2413, 19-20=-237/1710, 16-17=-41/936, 15-16=-1174/320
WEBS 3-24=-281/102, 3-23=-1620/324, 3-22=-686/3417, 4-21=-2270/529, 5-21=-52/488, 5-20=-836/240, 6-20=-75/544, 6-19=-715/225, 7-19=-98/427, 17-19=-43/916, 9-19=-92/585, 9-16=-771/147, 11-16=-316/1933, 11-15=-2173/590, 12-15=-1194/289

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=38ft; 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) 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 except (jt=lb) 14=772.
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.

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

June 24,20

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A6	Hip	1	1	T17426010

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:22 2019 Page 1

ID:k1_mbx8QqT5igcwMeWHkLNz33N1-MaCixO2BvlzjQe_Un96IRcUVM3uxyvv?C4G6Yhz321F

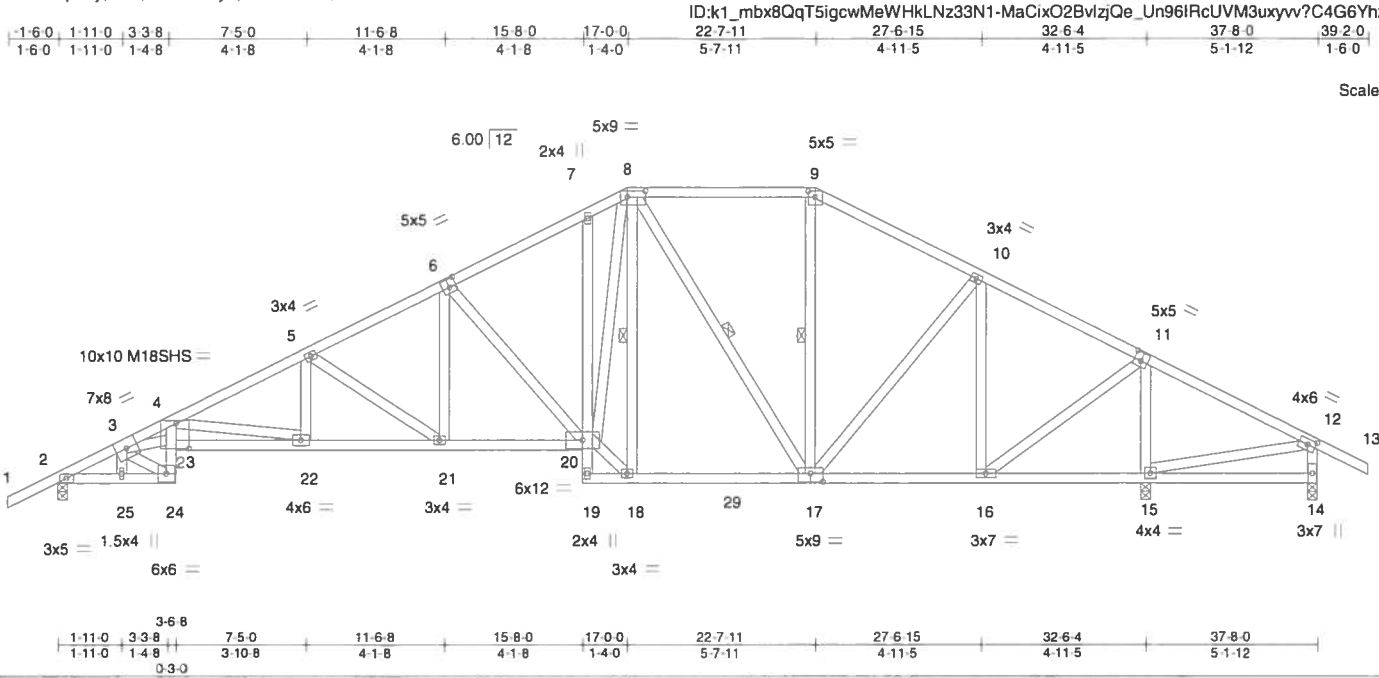


Plate Offsets (X,Y)-- [4:0-4-8,0-9-0], [6:0-2-8,0-3-0], [8:0-6-8,0-2-4], [9:0-2-8,0-2-4], [11:0-2-8,0-3-0], [12:0-2-15,0-2-0], [17:0-4-8,0-3-0], [23:0-0-0,0-1-12]

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)	-0.22	22-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.44	22-23	>879	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.21	14	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 268 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-24,20-23: 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 8-18, 8-17, 9-17

REACTIONS. (lb/size) 2=1227/0-3-8, 15=2728/0-3-8, 14=-765/0-3-8
Max Horz 2=182(LC 11)
Max Uplift 2=-42(LC 12), 15=-7(LC 12), 14=-867(LC 21)

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

TOP CHORD 2-3=-2054/453, 3-4=-4530/997, 4-5=-2601/602, 5-6=-1879/484, 6-7=-1338/416, 7-8=-1231/455, 8-9=-640/329, 9-10=-771/325, 10-11=-381/164, 11-12=-330/1680, 12-14=-94/900

BOT CHORD 2-25=-379/1844, 24-25=-391/1882, 23-24=-237/1219, 4-23=-229/1329, 22-23=-968/4616, 21-22=-428/2344, 20-21=-225/1644, 17-18=-27/955, 16-17=0/279, 15-16=-1385/362

WEBS 3-25=-276/102, 3-24=-1621/324, 3-23=-690/3405, 4-22=-2309/549, 5-22=-46/480, 5-21=-831/242, 6-21=-78/540, 6-20=-727/236, 18-20=0/1111, 8-20=-247/1249, 8-18=-521/55, 8-17=-607/119, 10-17=-71/774, 10-16=-1072/284, 11-16=-350/1935, 11-15=-2284/563, 12-15=-1471/411

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=38ft; 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; porch 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15 except (jt=lb) 14=867.
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.

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

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A7	Hip	1	1	T17426011
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:24 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-JzKSL44RRNDRfy8sva9mW1arpsaEQpIlgOlDcZz321D

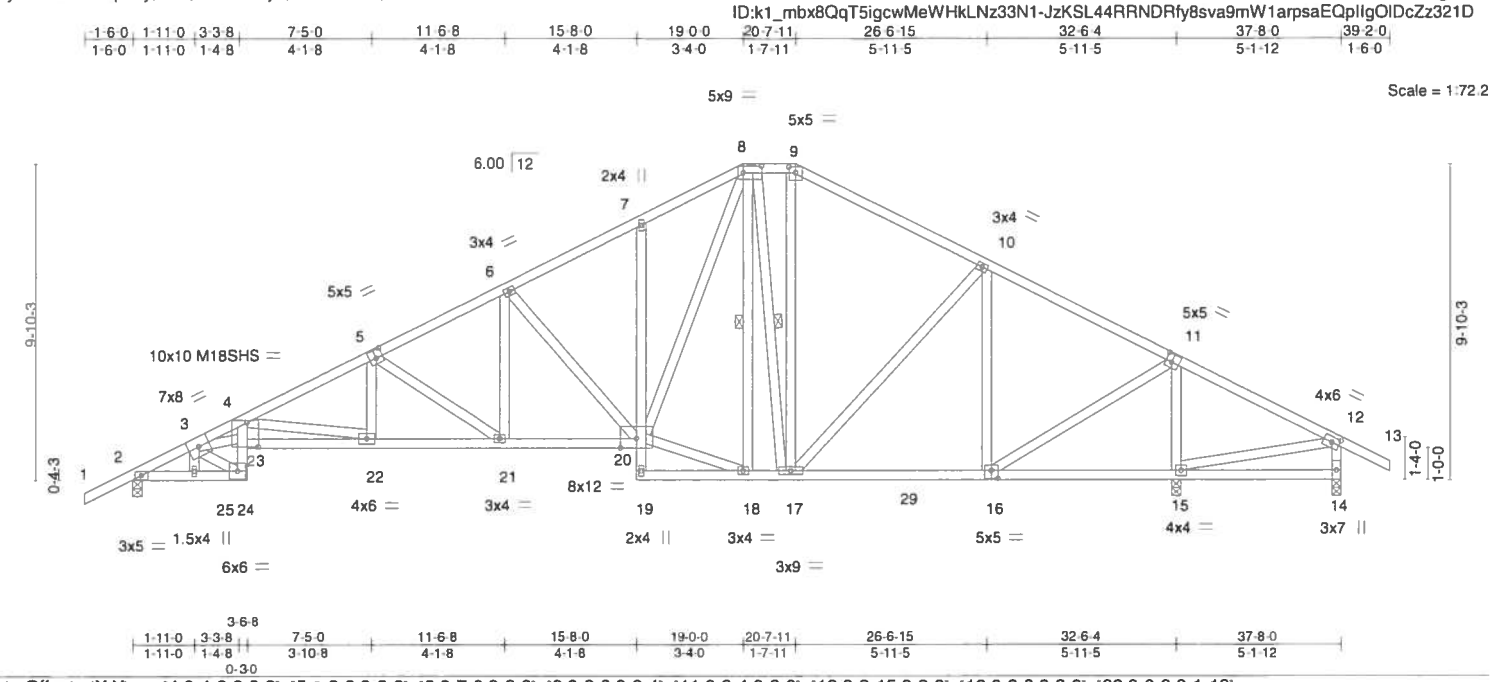


Plate Offsets (X,Y)-- [4:0-4-8,0-9-0], [5:0-2-8,0-3-0], [8:0-7-0,0-2-8], [9:0-2-8,0-2-4], [11:0-2-4,0-3-0], [12:0-2-15,0-2-0], [16:0-2-8,0-3-0], [23:0-0-0,0-1-12]

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)	-0.22	22-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.44	22-23	>877	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.20	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 279 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-24,20-23: 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 8-18, 8-17

REACTIONS. (lb/size) 2=1235/0-3-8, 15=2667/0-3-8, 14=-712/0-3-8
Max Horz 2=200(LC 11)
Max Uplift 2=-41(LC 12), 14=-791(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2070/463, 3-4=-4568/1021, 4-5=-2623/616, 5-6=-1898/498, 6-7=-1364/429, 7-8=-1348/518, 8-9=-706/370, 9-10=-875/364, 10-11=-511/208, 11-12=-338/1592, 12-14=-92/823
BOT CHORD 2-25=-387/1835, 24-25=-400/1873, 23-24=-242/1212, 4-23=-235/1322, 22-23=-997/4616, 21-22=-437/2320, 20-21=-239/1643, 17-18=0/764, 16-17=0/396, 15-16=-1306/367
WEBS 3-25=-278/104, 3-24=-1613/331, 3-23=-708/3390, 4-22=-2319/567, 5-22=-49/484, 5-21=-822/241, 6-21=-80/539, 6-20=-713/230, 18-20=0/741, 8-20=-303/1131, 8-17=-469/87, 10-17=-14/576, 10-16=-931/279, 11-16=-374/1945, 11-15=-2238/593, 12-15=-1383/359

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=38ft; 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) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 14=791.
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.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A8	Roof Special	1	1	T17426012

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:26 2019 Page 1

ID:k1_mbx8QqT5igcwMeWHkLNz33N1-FMRCmm6hz_T9vFIF0?BEbSfBJgGjujob7iEJhSz321B

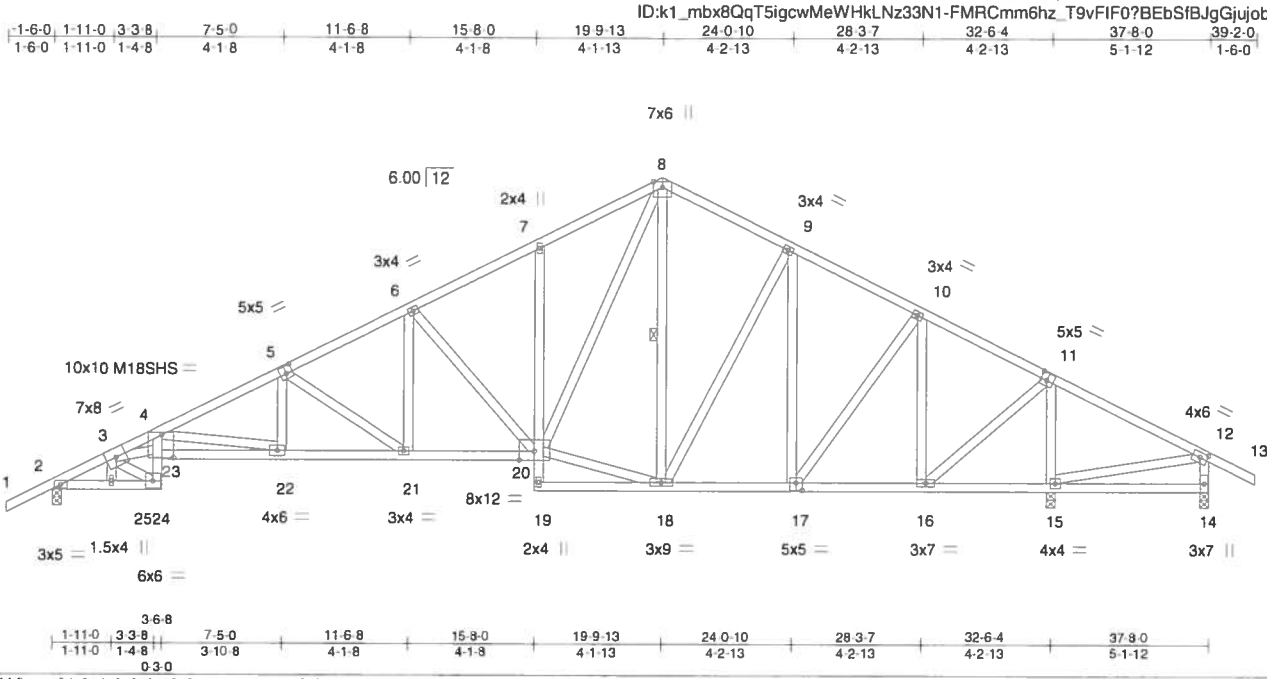


Plate Offsets (X,Y)-- [4:0-4-8,0-9-0], [5:0-2-8,0-3-0], [11:0-2-8,0-3-0], [12:0-2-15,0-2-0], [17:0-2-8,0-3-0], [23:0-0-0,0-1-12]

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)	-0.22	22-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.44	22-23	>878	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.20	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 272 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-24,20-23: 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 8-18

REACTIONS. (lb/size) 2=1234/0-3-8, 15=2671/0-3-8, 14=-716/0-3-8
Max Horz 2=207(LC 11)
Max Uplift 2=-40(LC 12), 15=-17(LC 12), 14=-778(LC 21)

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

TOP CHORD	2-3=-2068/464, 3-4=-4565/1023, 4-5=-2621/618, 5-6=-1896/499, 6-7=-1362/429, 7-8=-1352/527, 8-9=-847/387, 9-10=-675/301, 10-11=-273/131, 11-12=-342/1607, 12-14=-102/812
BOT CHORD	2-25=-388/1831, 24-25=-401/1870, 23-24=-243/1208, 4-23=-235/1318, 22-23=-998/4613, 21-22=-439/2319, 20-21=-239/1641, 7-20=-258/173, 17-18=0/567, 15-16=-1322/374
WEBS	3-25=-278/104, 3-24=-1601/332, 3-23=-709/3384, 4-22=-2318/567, 5-22=-49/483, 5-21=-823/242, 6-21=-80/540, 6-20=-710/228, 18-20=0/668, 8-20=-314/1116, 8-18=-380/15, 9-18=0/392, 9-17=-596/150, 10-17=-127/840, 10-16=-1153/304, 11-16=-357/1847, 11-15=-2243/573, 12-15=-1414/425

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=38ft; 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; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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, 15 except (jt=lb) 14=778.
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:

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A9	Roof Special	2	1	T17426013

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:28 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-BkZzBS7yVbjt8ZSd8QDigtkYIT_KMgfub0jQlKz3219

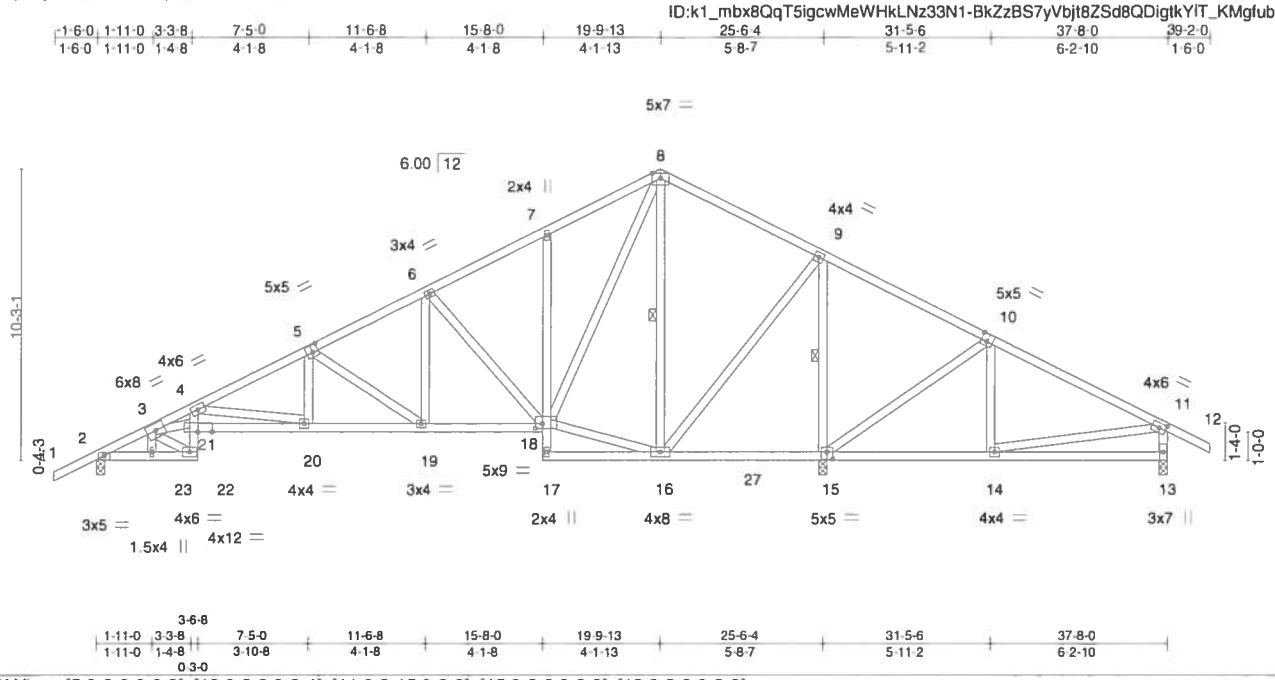


Plate Offsets (X,Y)-- [5:0-2-8,0-3-0], [10:0-2-8,0-3-4], [11:0-2-15,0-2-0], [15:0-2-8,0-3-0], [18:0-3-0,0-2-0]

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	0.54	Vert(LL)	-0.13	20-21	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.27	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.12	15	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 258 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 8-16, 9-15

REACTIONS. (lb/size) 2=816/0-3-8, 15=2451/0-3-8, 13=-76/0-3-8
Max Horz 2=207(LC 11)
Max Uplift 2=-41(LC 12), 15=-90(LC 12), 13=-350(LC 21)
Max Grav 2=816(LC 1), 15=2451(LC 1), 13=212(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1239/252, 3-4=-2687/542, 4-5=-1357/297, 5-6=-775/224, 6-7=-313/170, 7-8=-289/265, 9-10=-228/1278, 10-11=0/849, 11-13=-155/404
BOT CHORD 2-23=-199/1132, 22-23=-207/1152, 21-22=-123/775, 4-21=-108/857, 20-21=-509/2780, 19-20=-148/1234, 18-19=0/688, 7-18=-260/167, 15-16=-1033/411, 14-15=-719/78
WEBS 3-22=-1036/173, 3-21=-357/2097, 4-20=-1561/366, 5-20=-15/366, 5-19=-662/199, 6-19=-57/453, 6-18=-635/210, 16-18=-187/281, 8-18=-242/835, 8-16=-991/206, 9-16=-247/1448, 9-15=-1967/526, 10-15=-611/430, 10-14=-179/343, 11-14=-762/150

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=38ft; 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; porch 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15 except (jt=lb) 13=350.
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.

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

June 24,20

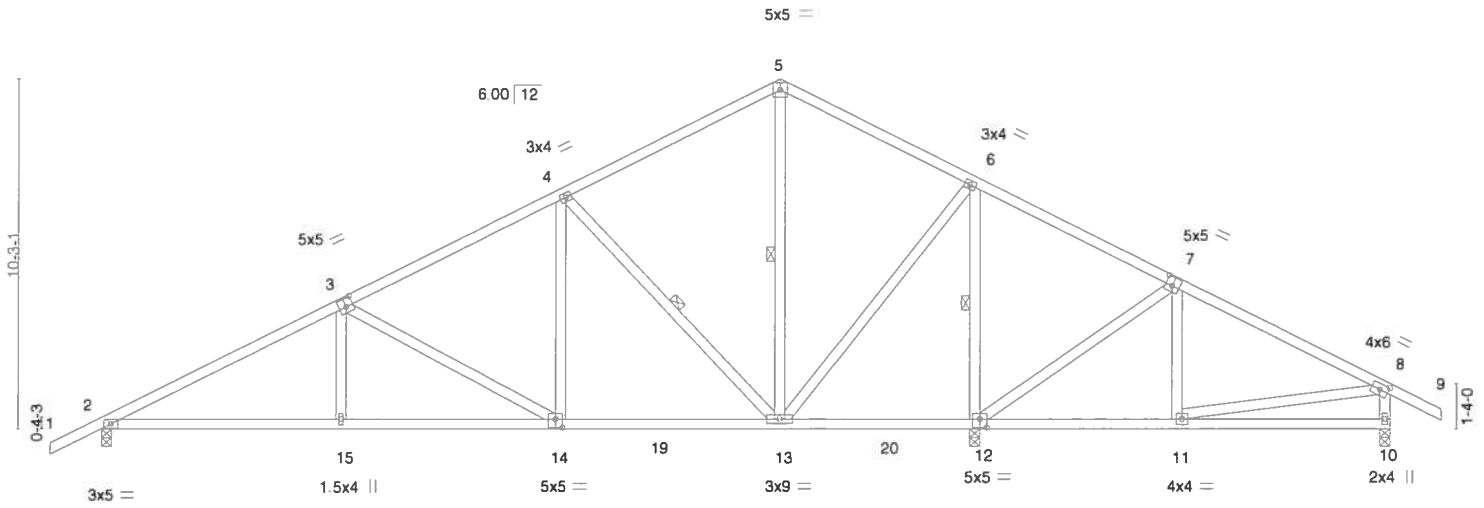
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	A10	Common	2	1	T17426014
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:10 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-jHT9Plvfk4SQ_o4A5evUy4?VNDwE8XxESDMT7Nz321R

-1-6-0	6-11-10	13-4-12	19-9-13	25-6-4	31-5-6	37-8-0	39-2-0
1-6-0	6-11-10	6-5-2	6-5-2	5-8-7	5-11-2	6-2-10	1-6-0

Scale = 1:67.8



6-11-10	13-4-12	19-9-13	25-6-4	31-5-6	37-8-0
6-11-10	6-5-2	6-5-2	5-8-7	5-11-2	6-2-10

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [8:0-2-15,0-2-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]

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	0.41	Vert(LL)	-0.07	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.15	15-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 226 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 4-13, 5-13, 6-12

REACTIONS. (lb/size) 2=988/0-3-8, 12=1907/0-3-8, 10=295/0-3-8
Max Horz 2=207(LC 11)
Max Uplift 2=-33(LC 12), 12=-115(LC 12), 10=-133(LC 12)
Max Grav 2=988(LC 1), 12=1907(LC 1), 10=405(LC 22)

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

TOP CHORD	2-3=-1520/327, 3-4=-934/270, 4-5=-359/206, 5-6=-331/211, 6-7=-93/580, 8-10=-347/247
BOT CHORD	2-15=-207/1395, 14-15=-208/1392, 13-14=-10/862, 12-13=-419/306
WEBS	3-15=0/278, 3-14=-612/228, 4-14=-36/493, 4-13=-821/287, 6-13=-167/1071, 6-12=-1486/429, 7-12=-515/415, 7-11=-162/272

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=38ft; 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; porch 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 12=115, 10=133.
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.

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

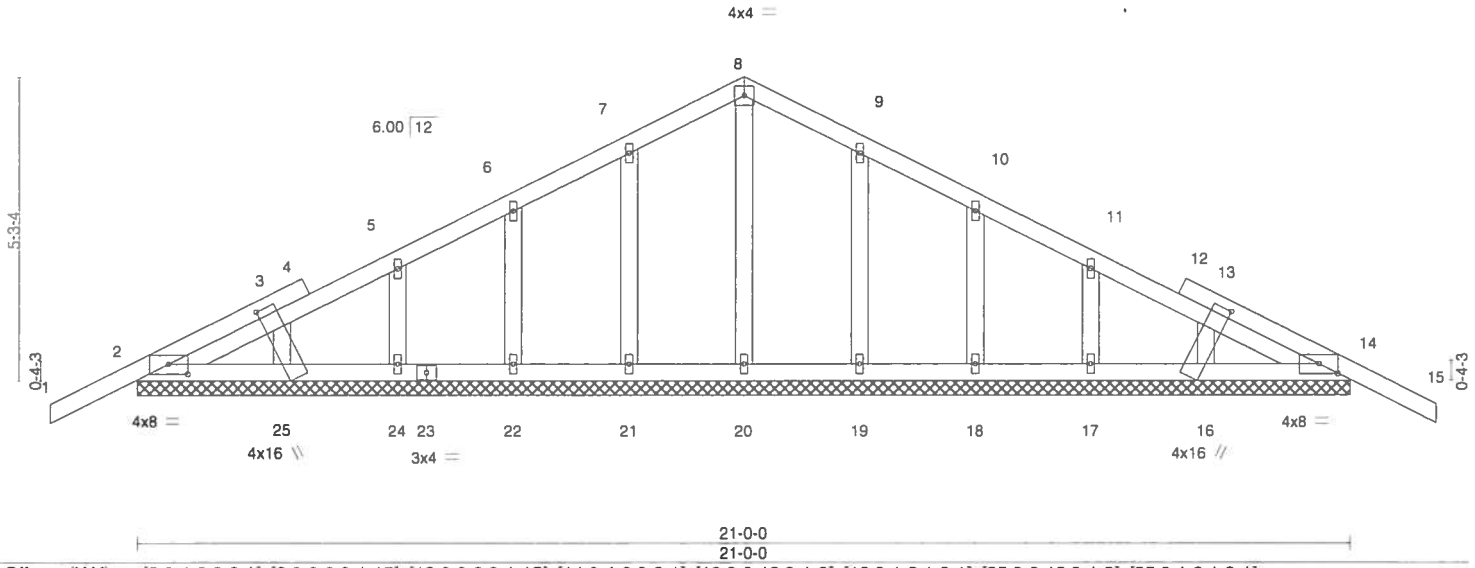
June 24,20

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B1GE	Common Supported Gable	1	1	T17426015
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:29 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-fx7LPn8aGvrkmj1qi7kxD4HpltW_5Fo1pgT_Inz3218

-1-6-0 1-6-0 | 10-6-0 10-6-0 | 21-0-0 10-6-0 | 22-6-0 1-6-0

Scale = 1:40.2



21-0-0
21-0-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [3:0-0-0,0-1-15], [13:0-0-0,0-1-15], [14:0-4-0,0-2-1], [16:0-0-13,0-1-9], [16:0-1-9,1-9-1], [25:0-0-13,0-1-9], [25:0-1-9,1-9-1]

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	0.14	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 113 lb	FT = 0%

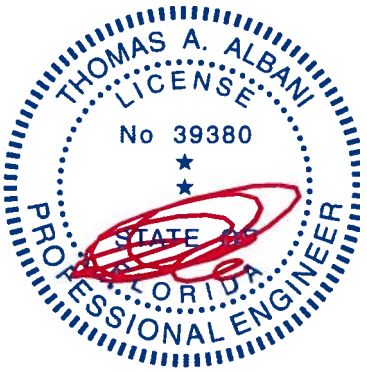
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. All bearings 21-0-0.
(lb) - Max Horz 2=-94(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 24, 19, 18, 17
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 24, 25, 19, 18, 17, 16

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

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=2ft; 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) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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) 2, 14, 21, 22, 24, 19, 18, 17.



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

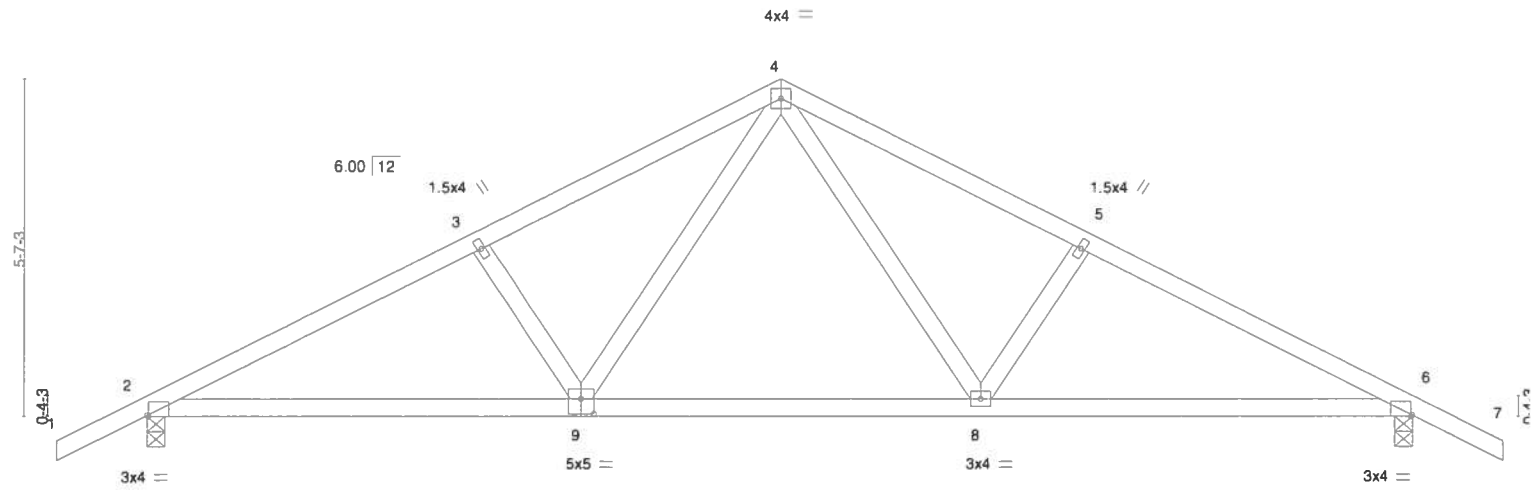
June 24,20

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B2	Common	2	1	T17426016
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:31 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-cJF5qT9qoW5S?0ACpYnPlVM7Ch5HZ7GKH_y4Mfz3216

-1-6-0	5-6-4	10-6-0	15-5-12	21-0-0	22-6-0
1-6-0	5-6-4	4-11-12	4-11-12	5-6-4	1-6-0

Scale = 1:38.5



7-2-3	13-9-13	21-0-0
7-2-3	6-7-11	7-2-3

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [6:0-0-4,Edge], [9:0-2-8,0-3-0]

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	0.27	Vert(LL)	-0.06	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.14	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 98 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=930/0-3-8, 6=930/0-3-8
Max Horz 2=99(LC 11)
Max Uplift 2=-37(LC 12), 6=-37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1434/358, 3-4=-1286/366, 4-5=-1286/366, 5-6=-1434/358
BOT CHORD 2-9=-209/1247, 8-9=-61/832, 6-8=-219/1247
WEBS 4-8=-102/486, 5-8=-315/194, 4-9=-102/486, 3-9=-315/194

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.

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

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

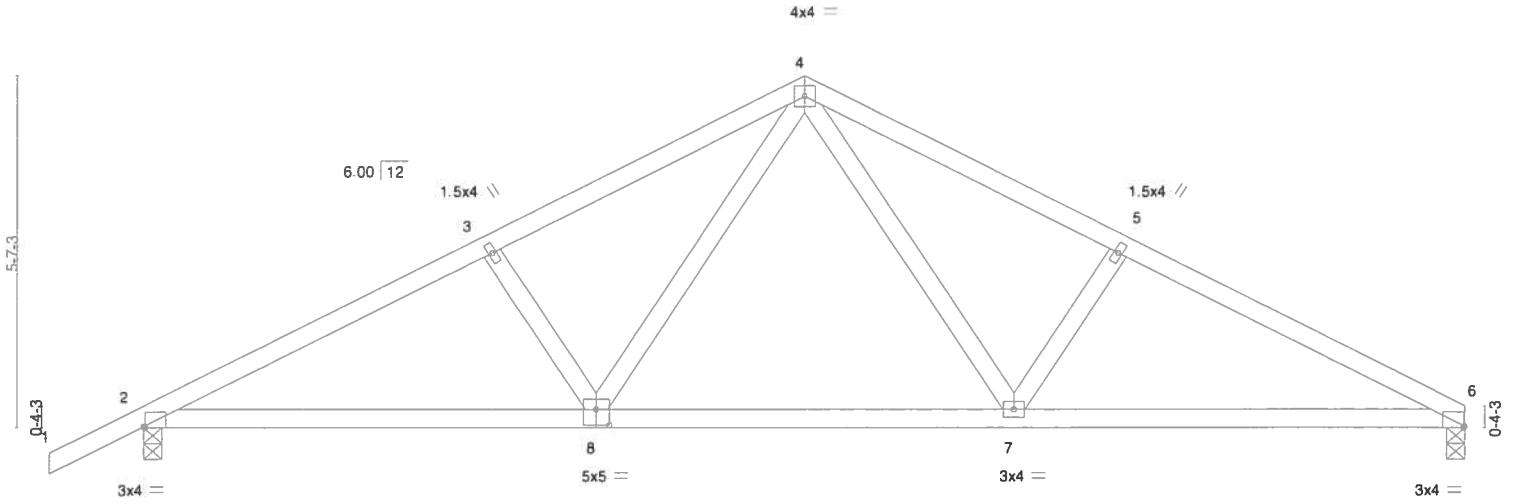
Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B3	Common	4	1	T17426017

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:32 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-4WpU1pASYqDJdAIPNFlerjvla5ROlaSTVeheu6z3215

-1-6-0	5-6-4	10-6-0	15-5-12	21-0-0
1-6-0	5-6-4	4-11-12	4-11-12	5-6-4

Scale = 1:36.8



7-2-3	13-9-13	21-0-0
7-2-3	6-7-11	7-2-3

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [6:0-0-4,Edge], [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	0.30	Vert(LL)	-0.06	7-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.15	7-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 96 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) 6=837/0-3-8, 2=933/0-3-8
Max Horz 2=96(LC 11)
Max Uplift 2=-38(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1441/366, 3-4=-1292/373, 4-5=-1305/380, 5-6=-1454/373
BOT CHORD 2-8=-254/1253, 7-8=-96/838, 6-7=-262/1269
WEBS 4-7=-112/504, 5-7=-325/200, 4-8=-100/486, 3-8=-315/195

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) 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:
June 24,20

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B4	Half Hip	1	1	T17426018

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:33 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-YiMsE9B4J8LAFKKbxzptNwSTeUpe1_qdkIRBRYz3214

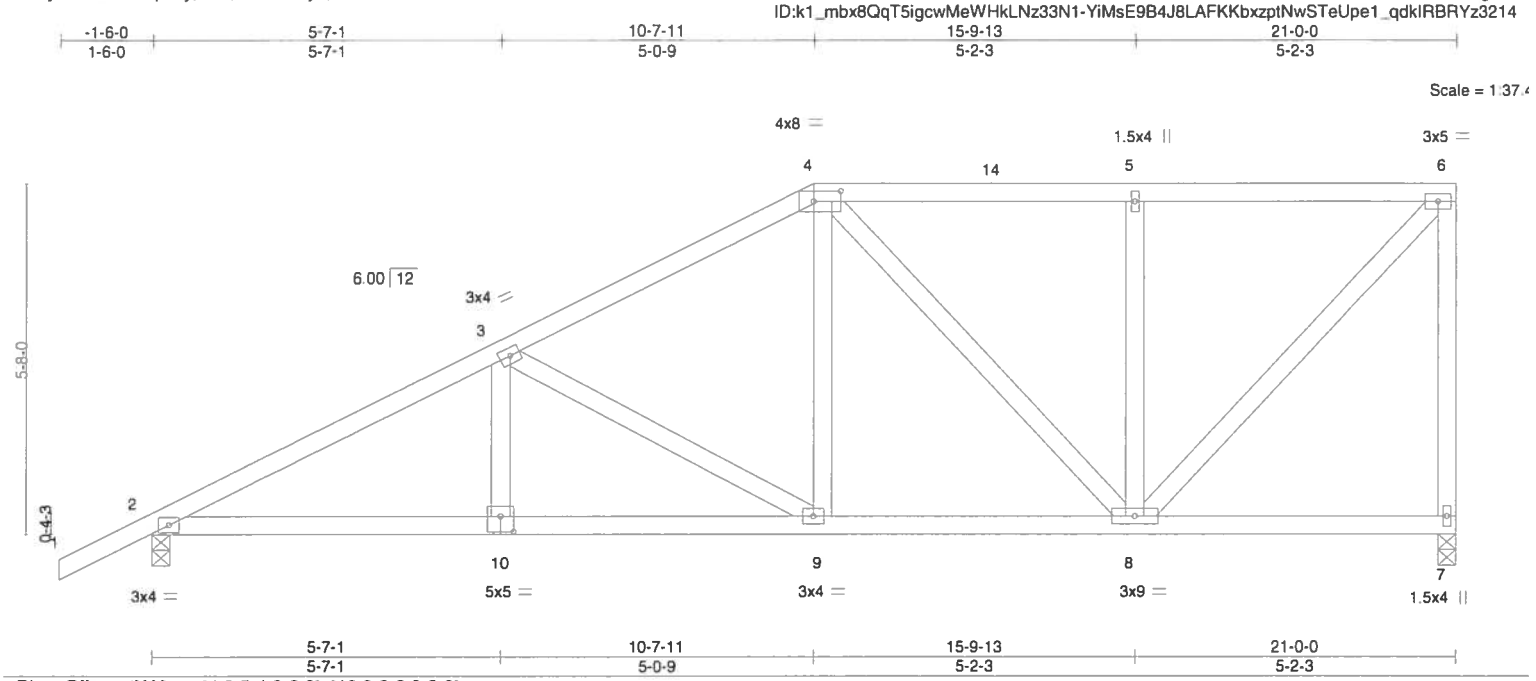


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [10:0-2-8,0-3-0]

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	0.28	Vert(LL)	-0.04	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.08	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 122 lb	FT = 0%

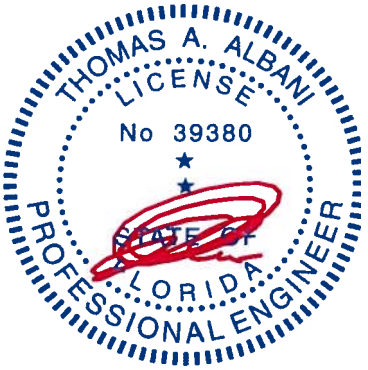
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 7=831/0-3-8, 2=927/0-3-8
Max Horz 2=172(LC 11)
Max Uplift 7=-14(LC 9), 2=-35(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1461/305, 3-4=-989/260, 4-5=-626/222, 5-6=-626/222, 6-7=-783/230
BOT CHORD 2-10=-469/1254, 9-10=-469/1254, 8-9=-306/827
WEBS 3-9=-497/187, 4-9=-31/380, 4-8=-290/125, 5-8=-341/162, 6-8=-243/895

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) Provide adequate drainage to prevent water ponding.
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) 7, 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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B5	Half Hip	1	1	T17426019

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:34 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-0uwESVCi4RT1sUvnUgK6w8_cdu6RmNSmzyAkz_z3213

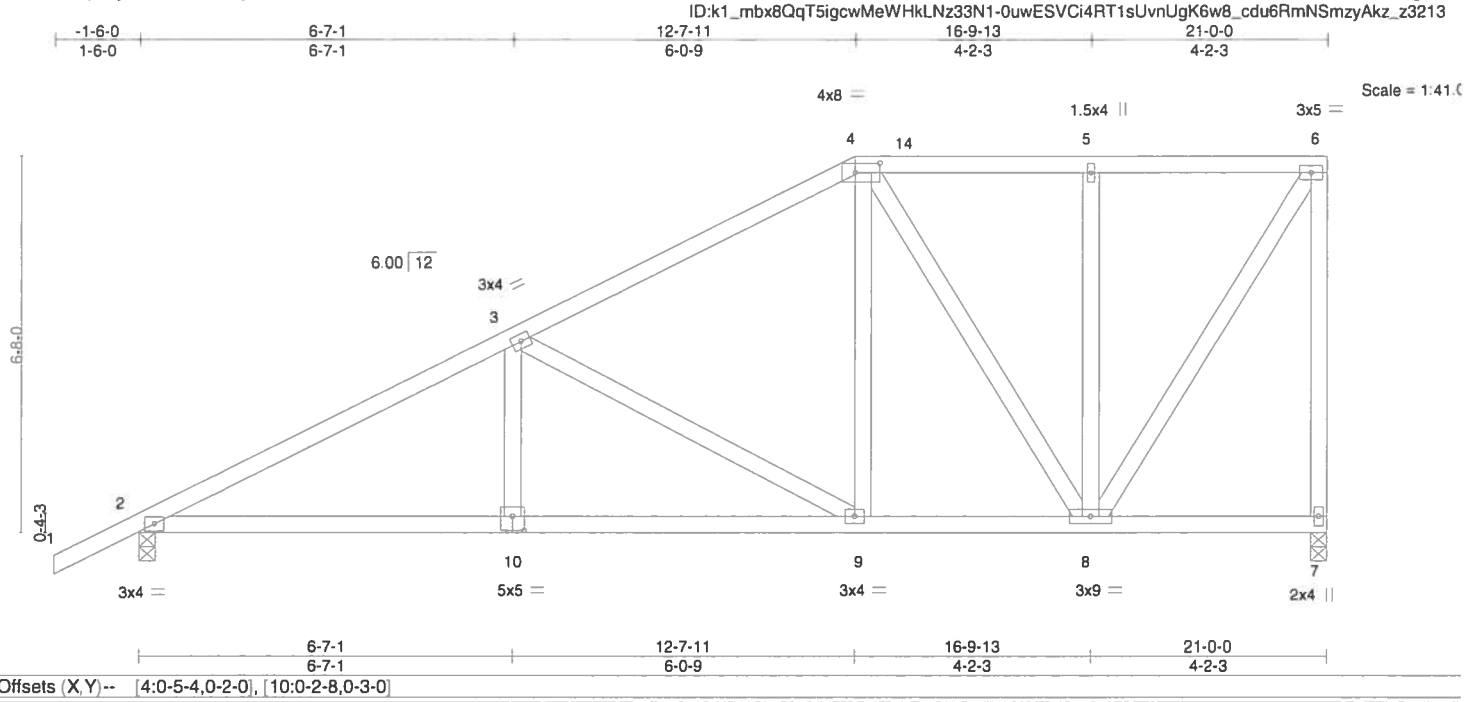


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [10:0-2-8,0-3-0]

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	0.39	Vert(LL)	-0.05	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.12	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 130 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) 7=831/0-3-8, 2=927/0-3-8
Max Horz 2=202(LC 11)
Max Uplift 7=-17(LC 9), 2=-34(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1417/300, 3-4=-831/239, 4-5=-441/202, 5-6=-441/202, 6-7=-791/241
BOT CHORD 2-10=-484/1207, 9-10=-484/1207, 8-9=-282/670
WEBS 3-10=0/276, 3-9=-621/231, 4-9=-48/427, 4-8=-418/166, 5-8=-277/128, 6-8=-241/810

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) 7, 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: June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409	T17426020
AMELIA_1409	B6	Half Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:35 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-U4UcfrDLrlbtUeUz2OrLTLXmYIR2Vm8wCcwIVQz3212

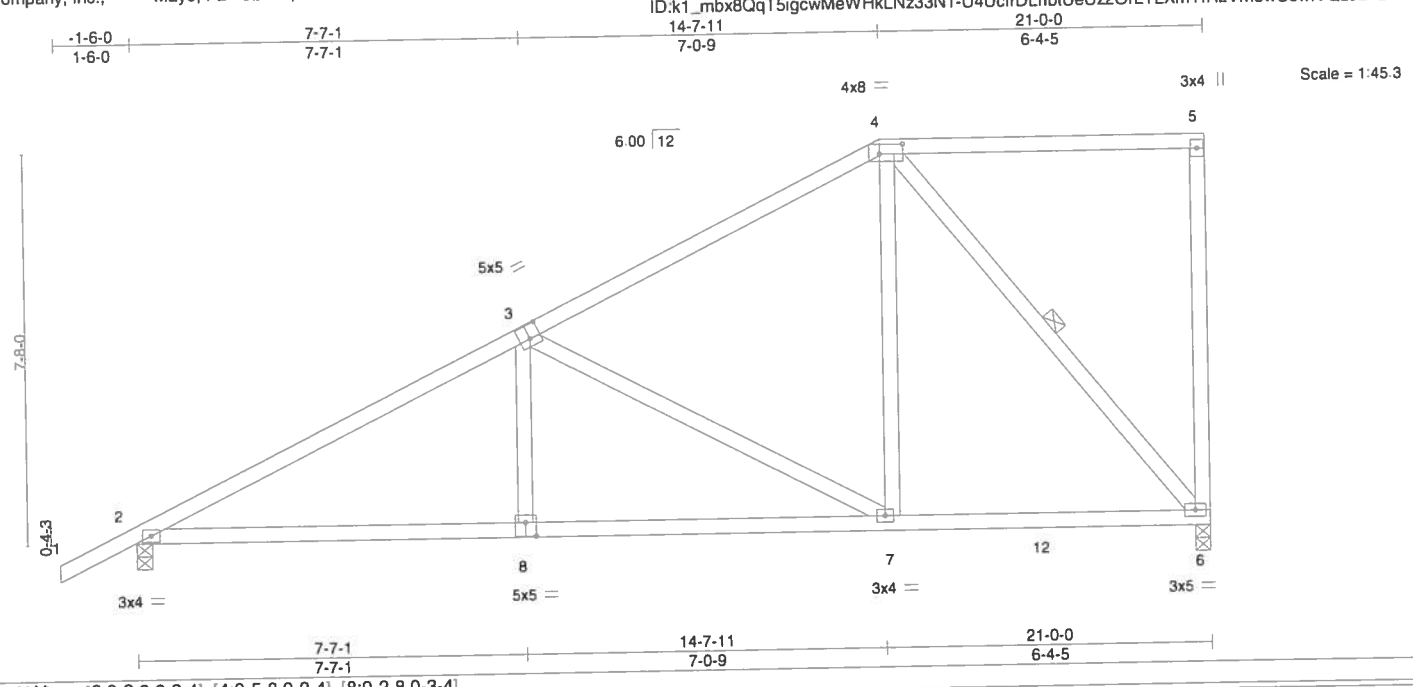


Plate Offsets (X,Y)-- [3:0-2-8,0-3-4], [4:0-5-8,0-2-4], [8:0-2-8,0-3-4]

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	0.51	Vert(LL)	-0.07	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.18	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 119 lb	FT = 0%

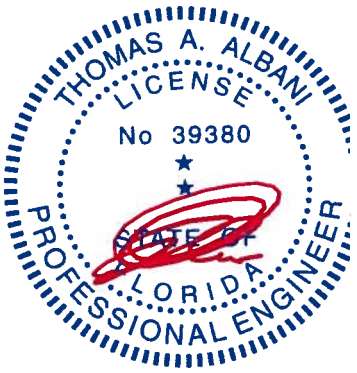
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 6=831/0-3-8, 2=927/0-3-8
Max Horz 2=232(LC 11)
Max Uplift 6=-17(LC 9), 2=-33(LC 12)
Max Grav 6=842(LC 17), 2=927(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1341/289, 3-4=-679/216
BOT CHORD 2-8=-487/1159, 7-8=-489/1156, 6-7=-250/561
WEBS 3-8=0/315, 3-7=-714/272, 4-7=-55/534, 4-6=-819/275

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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 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: June 24,2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B7	Half Hip	1	1	T17426021
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:36 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-yH2_tBDzc3kk6o3Ac5Ma?Z3xyipuEFM3QGfr1tz3211

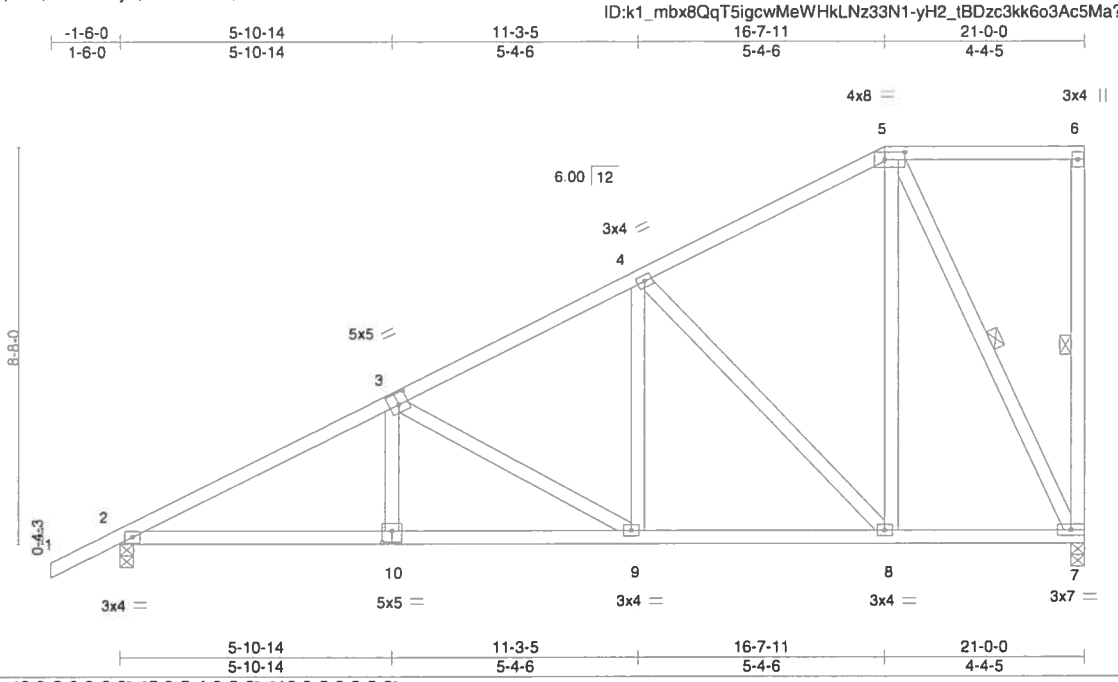


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [10:0-2-8,0-3-0]

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	0.40	Vert(LL)	-0.04	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 137 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 6-7, 5-7

REACTIONS. (lb/size) 7=831/0-3-8, 2=927/0-3-8
Max Horz 2=262(LC 11)
Max Uplift 7=-15(LC 9), 2=-31(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1440/293, 3-4=-954/252, 4-5=-458/205
BOT CHORD 2-10=-535/1231, 9-10=-537/1227, 8-9=-374/789, 7-8=-208/362
WEBS 3-9=-505/188, 4-9=-30/409, 4-8=-643/240, 5-8=-146/562, 5-7=-769/285

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) 7, 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:
June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	B8	Monopitch	2	1	T17426022
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:37 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-QTcN4XEbNMsbjxeMApupYmc4366SzpYCfwPPaJz3210

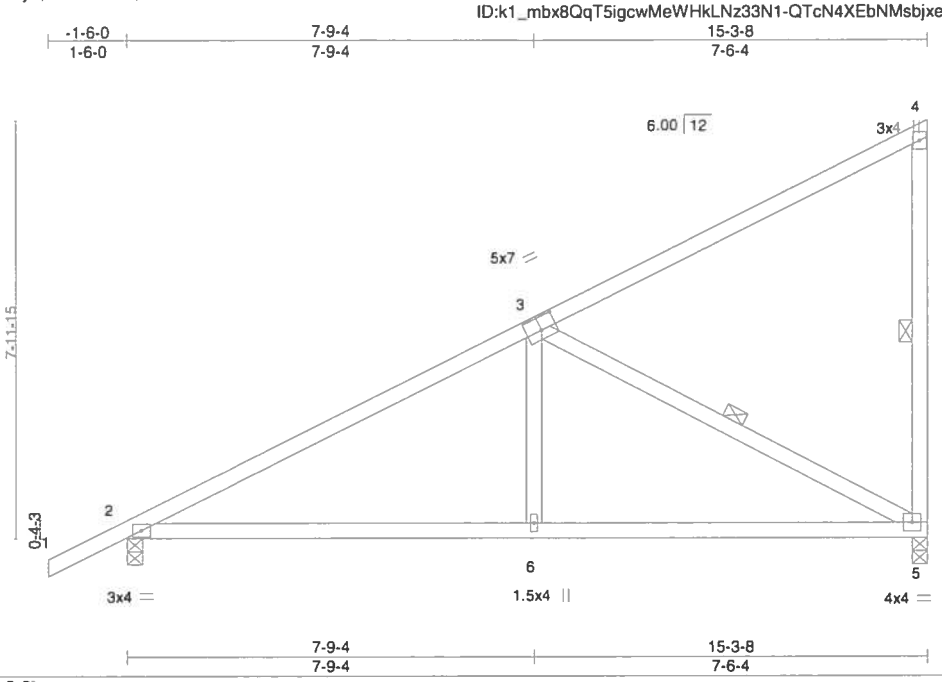


Plate Offsets (X,Y)-- [3:0-3-8,0-3-0]

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	0.57	Vert(LL)	-0.07	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.16	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 79 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 4-5, 3-5

REACTIONS. (lb/size) 2=700/0-3-8, 5=601/0-3-8
Max Horz 2=239(LC 11)
Max Uplift 2=-31(LC 12), 5=-8(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-840/186
BOT CHORD 2-6=-352/699, 5-6=-354/695
WEBS 3-6=0/346, 3-5=-772/308

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
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.

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

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409	T17426023
AMELIA_1409	C1GIR	Half Hip Girder	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:39 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-Nsk7VCGrv_6JzFnlHDwHdBhSivrQRj9V6DuVeCz321_

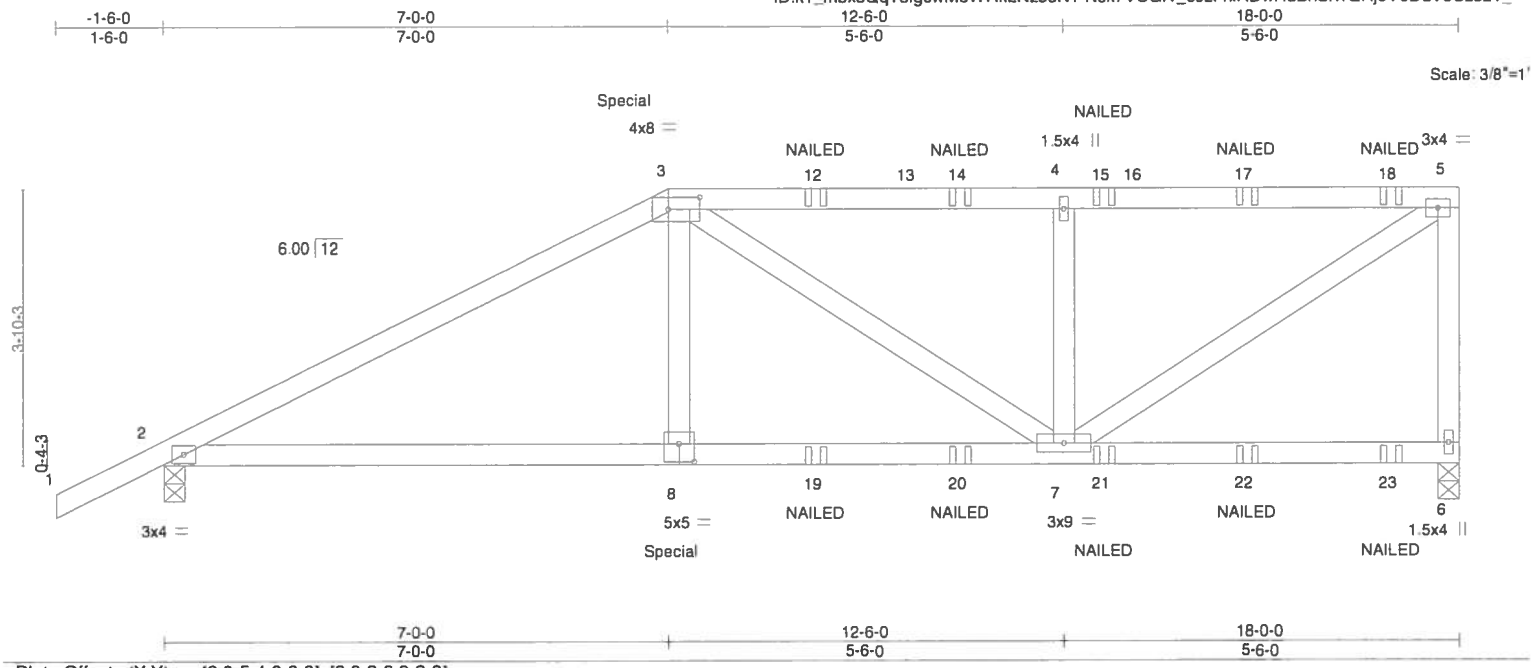


Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [8:0-2-8,0-3-0]

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	0.43	Vert(LL)	-0.04	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.09	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							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 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=1621/0-3-8, 2=1387/0-3-8
Max Horz 2=117(LC 7)
Max Uplift 2=-4(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2382/0, 3-4=-1839/12, 4-5=-1839/12, 5-6=-1486/60
BOT CHORD 2-8=0/2053, 7-8=0/2076
WEBS 3-8=0/666, 3-7=-282/0, 4-7=-769/184, 5-7=0/2149

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) 2.
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) 231 lb down and 136 lb up at 7-0-0 on top chord, and 358 lb down 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

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: June 24,20

Continued on page 2

LOAD CASE(S) Standard

Concentrated Loads (lb)

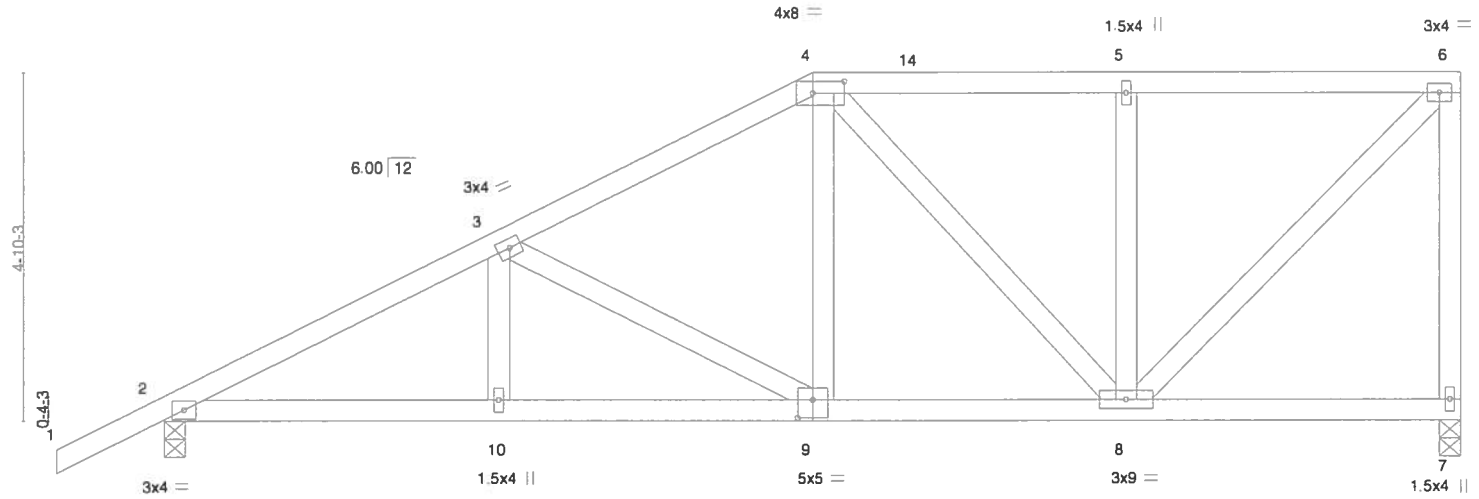
Vert: 3=-184(F) 8=-358(F) 12=-125(F) 14=-125(F) 15=-125(F) 17=-125(F) 18=-132(F) 19=-62(F) 20=-62(F) 21=-62(F) 22=-62(F) 23=-64(F)

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	C2	Half Hip	1	1	T17426024
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:40 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-r2HViYGTgHEAaPMxrxRW9PEgxJCjABPfLtd39ez320z

-1-6-0	4-7-8	9-0-0	13-4-4	18-0-0
1-6-0	4-7-8	4-4-8	4-4-4	4-7-12

Scale: 3/8"=1



4-7-8	9-0-0	13-4-4	18-0-0
4-7-8	4-4-8	4-4-4	4-7-12

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

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	0.21	Vert(LL)	-0.03	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.06	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 105 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) 7=710/0-3-8, 2=808/0-3-8
Max Horz 2=147(LC 11)
Max Uplift 7=-14(LC 9), 2=-36(LC 12)
Max Grav 7=710(LC 21), 2=808(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1244/253, 3-4=-861/223, 4-5=-555/193, 5-6=-555/193, 6-7=-666/197
BOT CHORD 2-10=-401/1069, 9-10=-401/1069, 8-9=-266/714
WEBS 3-9=-404/153, 4-9=-24/318, 5-8=-301/139, 6-8=-208/769

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) 7, 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:
June 24,2(

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	C3	Half Hip	1	1	T17426025
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:41 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-JErtwuH5RbM1CZx7PeylicnnOjWfvcYoaXNci4z320y

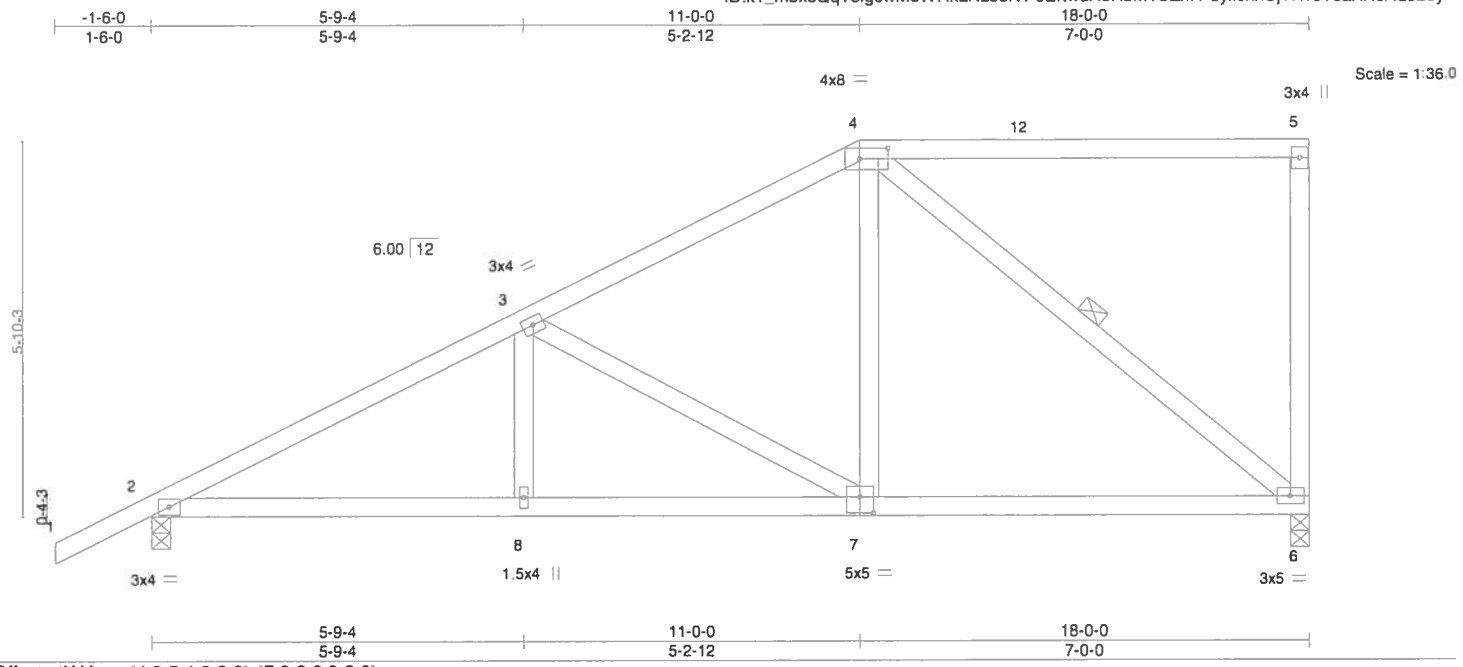


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-2-8,0-3-0]

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	0.48	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.13	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 99 lb	FT = 0%

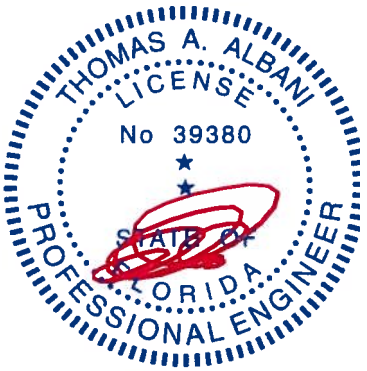
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 2=808/0-3-8, 6=710/0-3-8
Max Horz 2=177(LC 11)
Max Uplift 2=-35(LC 12), 6=-16(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1185/250, 3-4=-716/203
BOT CHORD 2-8=-413/1005, 7-8=-413/1005, 6-7=-243/578
WEBS 3-7=-490/195, 4-7=-15/442, 4-6=-705/235

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, 6.
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:

June 24,2(

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409	T17426026
AMELIA_1409	C4	Half Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:42 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-nRPG7ElkCvUuqjWKyMT_FqJzQ7rbey3xpB6AEWz320x

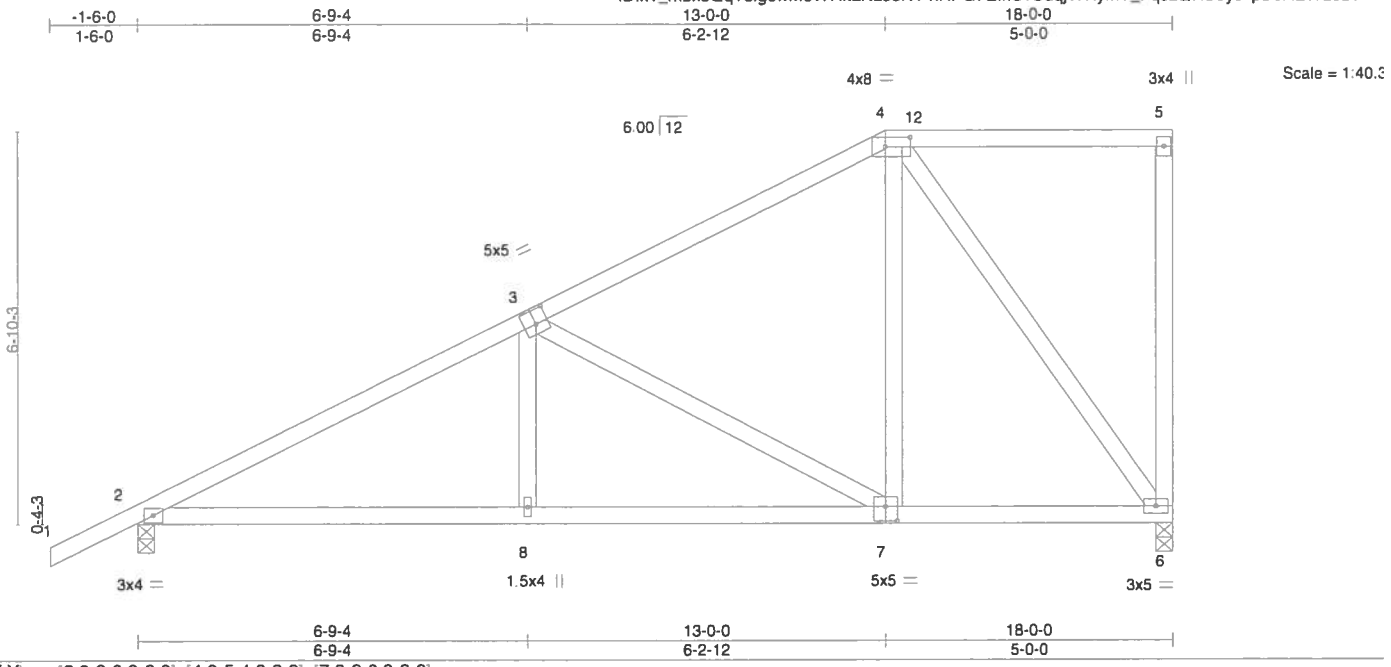


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-5-4,0-2-0], [7:0-2-8,0-3-0]

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	0.40	Vert(LL)	-0.05	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.12	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.02	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, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 6=710/0-3-8, 2=808/0-3-8
Max Horz 2=207(LC 11)
Max Uplift 6=-14(LC 9), 2=-34(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1141/241, 3-4=-548/182
BOT CHORD 2-8=-416/957, 7-8=-418/954, 6-7=-209/407
WEBS 3-8=0/279, 3-7=-628/240, 4-7=-57/461, 4-6=-667/240

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) 6, 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:
June 24,2(

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	C5	Half Hip	1	1	T17426027
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:43 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-FdzeLaJMzCclRs5WW3_Dn1s6vW9tNOq51rsjmzz320w

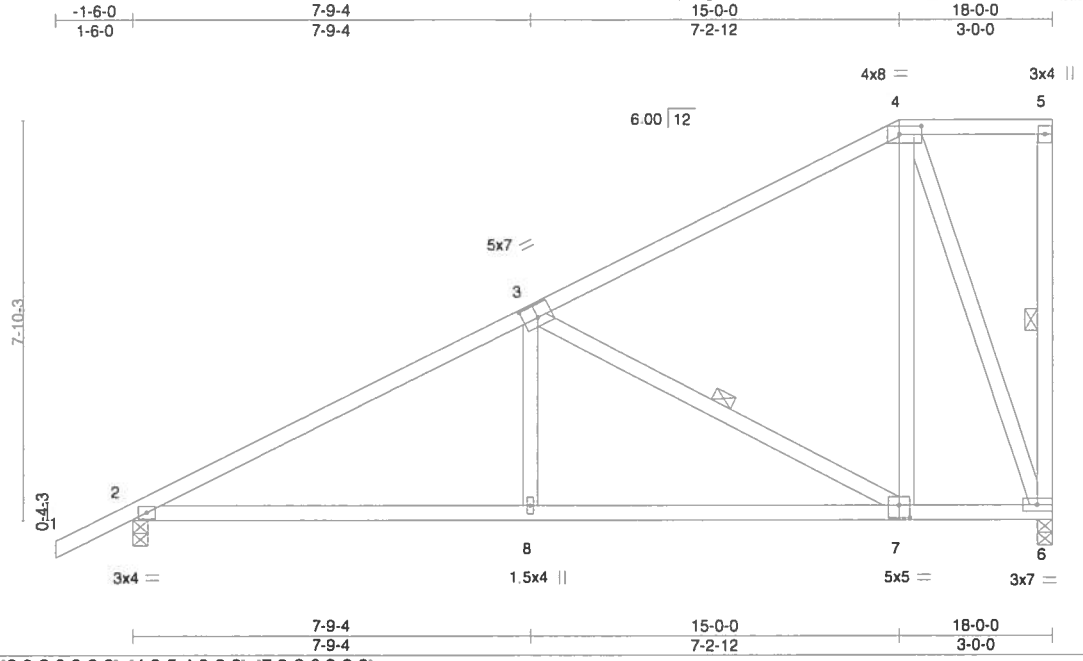


Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [4:0-5-4,0-2-0], [7:0-2-8,0-3-0]

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)	-0.07	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.18	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 109 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 5-6, 3-7

REACTIONS. (lb/size) 6=710/0-3-8, 2=808/0-3-8
Max Horz 2=237(LC 11)
Max Uplift 6=-13(LC 9), 2=-32(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1072/229, 3-4=-387/155
BOT CHORD 2-8=-413/905, 7-8=-414/901, 6-7=-168/278
WEBS 3-8=0/330, 3-7=-748/282, 4-7=-100/497, 4-6=-697/263

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) 6, 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:

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	C6	Half Hip	1	1	T17426028
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:44 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-jpX0YwK_kWkc30gi4nWSKFPJgwYZ6sbEGVbGIPz320v

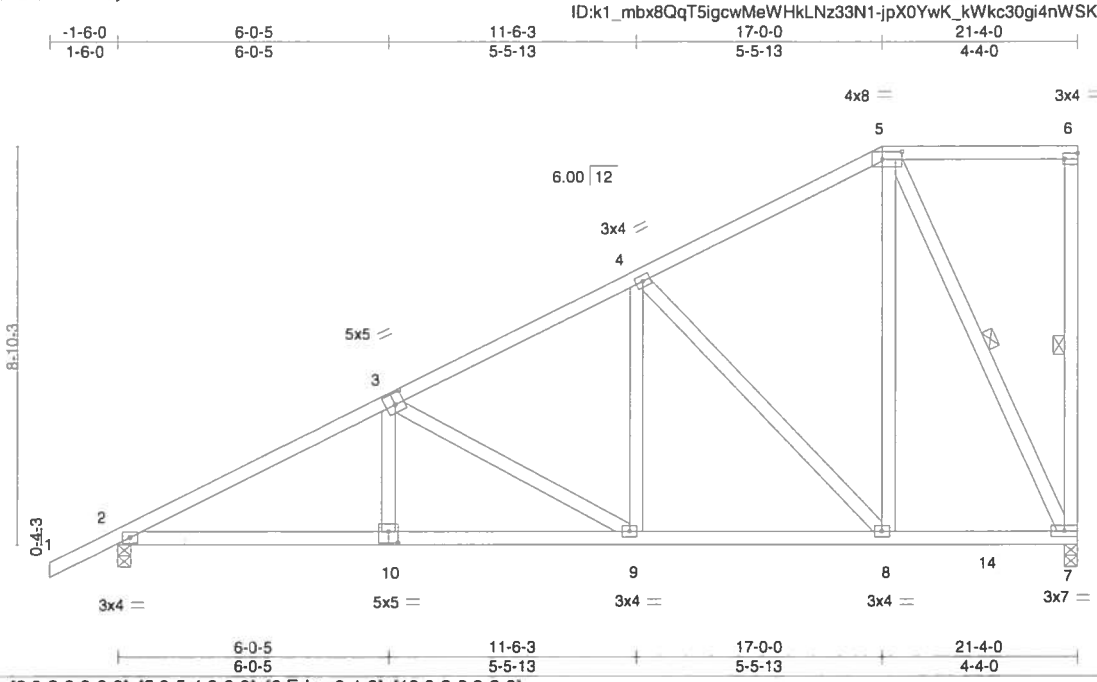


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [6:Edge,0-1-8], [10:0-2-8,0-3-0]

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	0.42	Vert(LL)	-0.04	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.10	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 140 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 6-7, 5-7

REACTIONS. (lb/size) 7=844/0-3-8, 2=941/0-3-8
Max Horz 2=268(LC 11)
Max Uplift 7=-16(LC 9), 2=-31(LC 12)
Max Grav 7=856(LC 17), 2=941(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1463/298, 3-4=-965/256, 4-5=-463/207
BOT CHORD 2-10=-544/1252, 9-10=-546/1248, 8-9=-379/810, 7-8=-209/376
WEBS 3-9=-518/192, 4-9=-31/418, 4-8=-658/245, 5-8=-152/605, 5-7=-800/290

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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 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:

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409	T17426029
AMELIA_1409	C7	Hip	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:46 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-fCfmzbLEF7_KIKq5BCYwPgUe_kDFaq_Xkp4NNlz320t

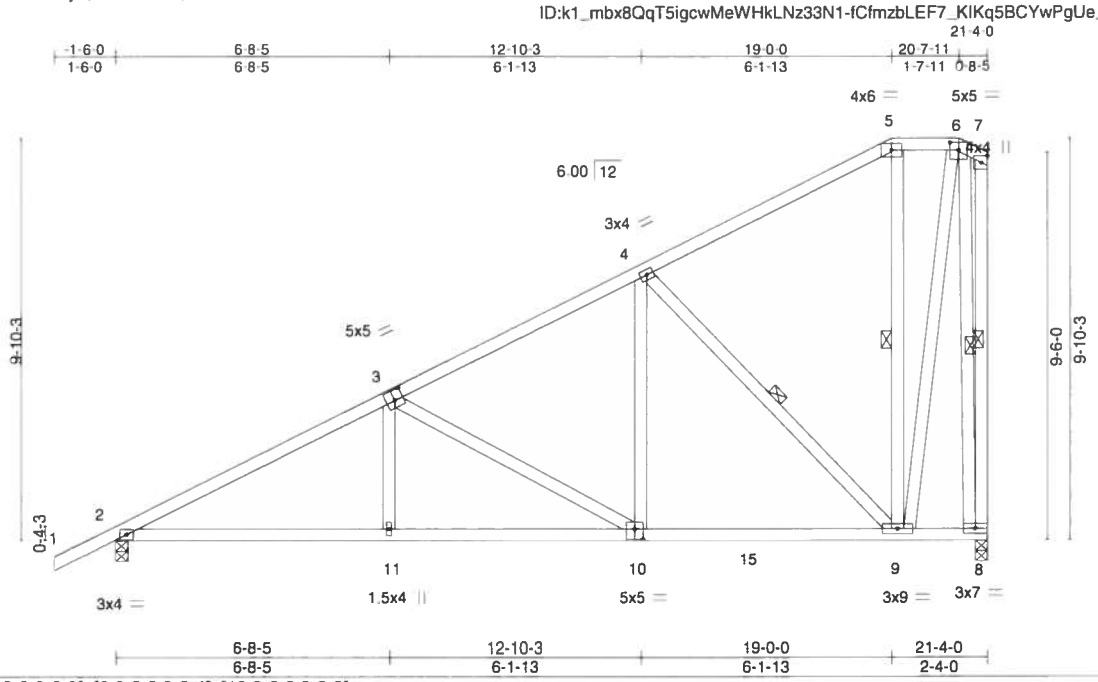


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [6:0-2-8,0-2-4], [10:0-2-8,0-3-0]

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)	-0.06	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.13	11-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 161 lb	FT = 0%

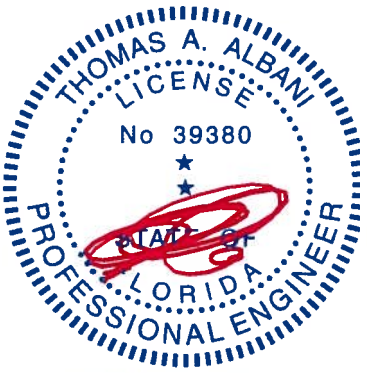
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-9, 5-9, 7-8, 6-8

REACTIONS. (lb/size) 2=941/0-3-8, 8=844/0-3-8
Max Horz 2=294(LC 11)
Max Uplift 2=-30(LC 12), 8=-7(LC 12)
Max Grav 2=941(LC 1), 8=866(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1429/291, 3-4=-873/239, 4-5=-336/181, 5-6=-257/207, 6-7=-303/309, 7-8=-377/359
BOT CHORD 2-11=-541/1255, 10-11=-542/1251, 9-10=-353/759
WEBS 3-11=0/263, 3-10=-581/218, 4-10=-34/476, 4-9=-785/279, 6-9=-287/895, 6-8=-759/369

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, with BCDL = 10.0psf.
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.

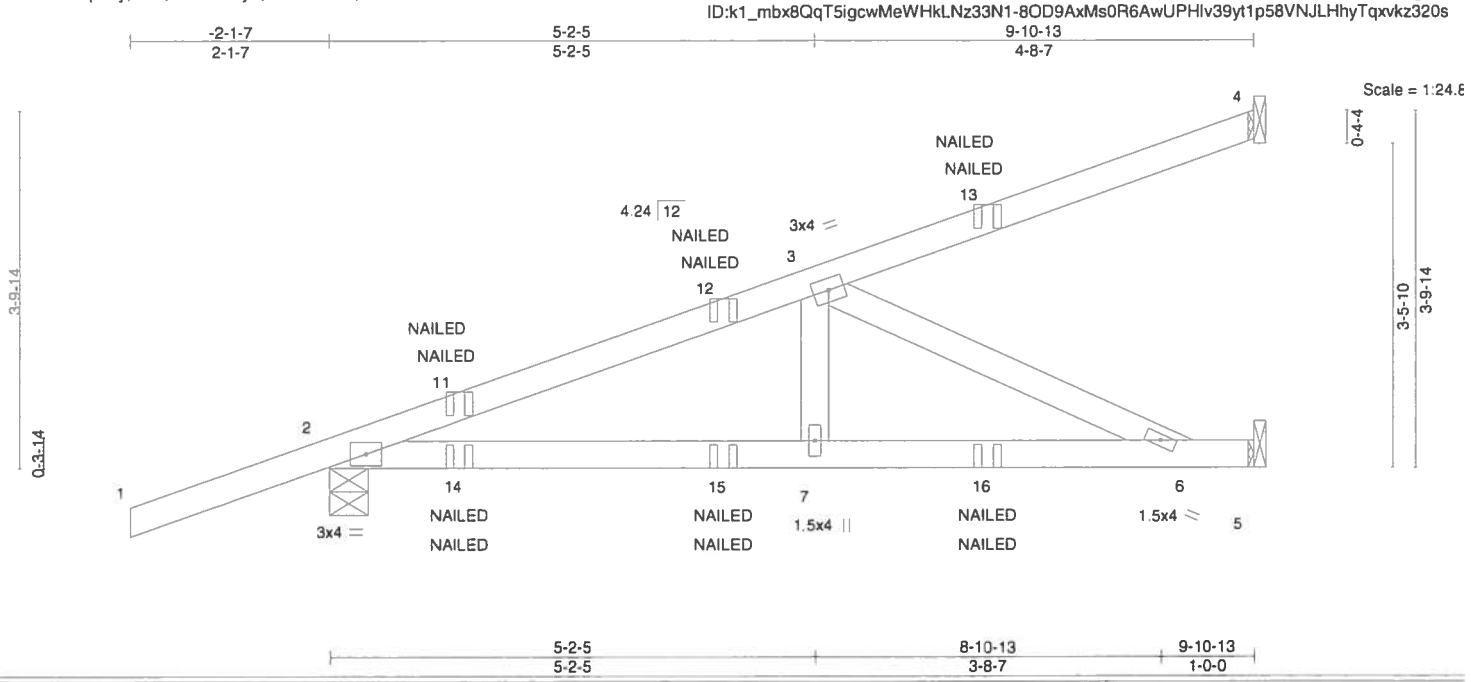


Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

June 24,20

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	CJ01	Diagonal Hip Girder	2	1	T17426030
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:47 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-8OD9AxMs0R6AwUPHlv39yt1p58VNJLHhyTqxvkz320s



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)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.12	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

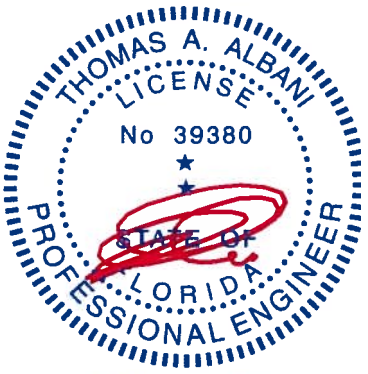
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=144/Mechanical, 2=477/0-4-15, 5=324/Mechanical
Max Horz 2=111(LC 8)
Max Uplift 4=-33(LC 8), 2=-97(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-749/0
BOT CHORD 2-7=-37/677, 6-7=-37/677
WEBS 3-7=0/295, 3-6=-746/41

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) 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, 2.
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=57(F=29, B=29) 13=-82(F=-41, B=-41) 14=61(F=31, B=31) 15=-7(F=-3, B=-3) 16=-59(F=-30, B=-30)



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

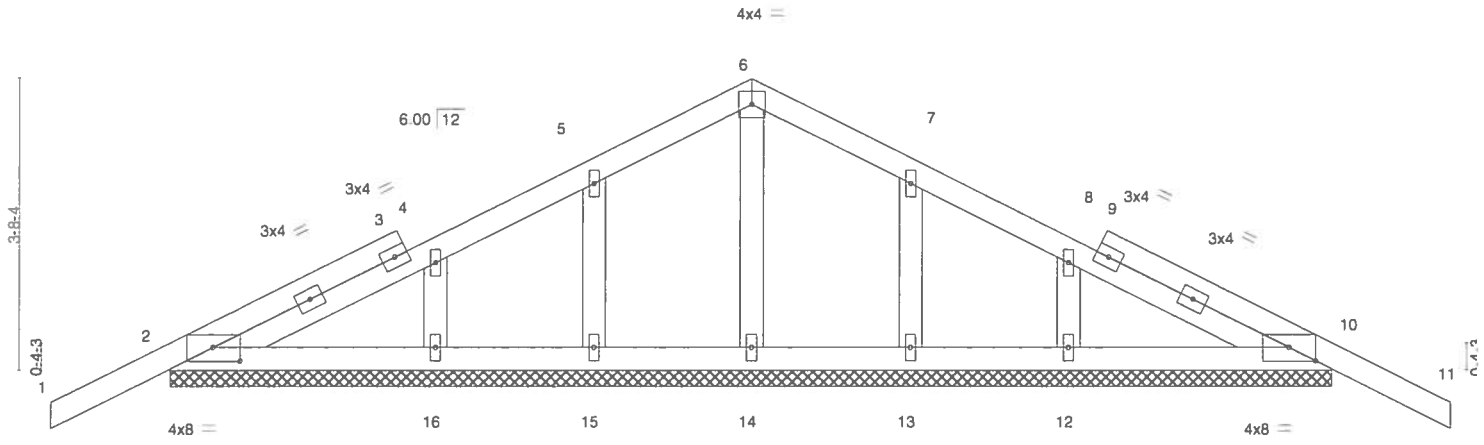
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	D1GE	Common Supported Gable	1	1	T17426031
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:49 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-4nKvbdN7Y2Mu9nYgtK5d1I6EixKDnH5zQnJ1_dz320q

-1-6-0 1-6-0 | 7-4-0 7-4-0 | 14-8-0 7-4-0

Scale = 1:29.2



14-8-0
14-8-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [10:0-4-0,0-2-1]

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	0.14	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 74 lb	FT = 0%

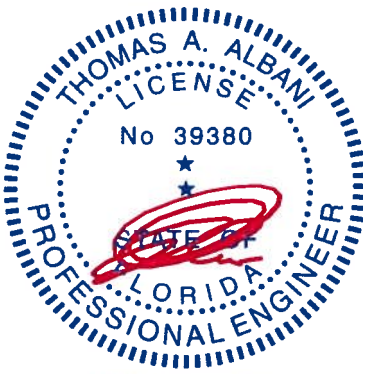
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. All bearings 14-8-0.
(lb) - Max Horz 2=-68(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 13
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

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=2ft; 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) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
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) 2, 10, 15, 13.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	D2	Common	3	1	T17426032
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:50 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-YzuHpzOlJMUlnx7sQ1ctZWfJ4LZ_WjV7eR2bW3z320p

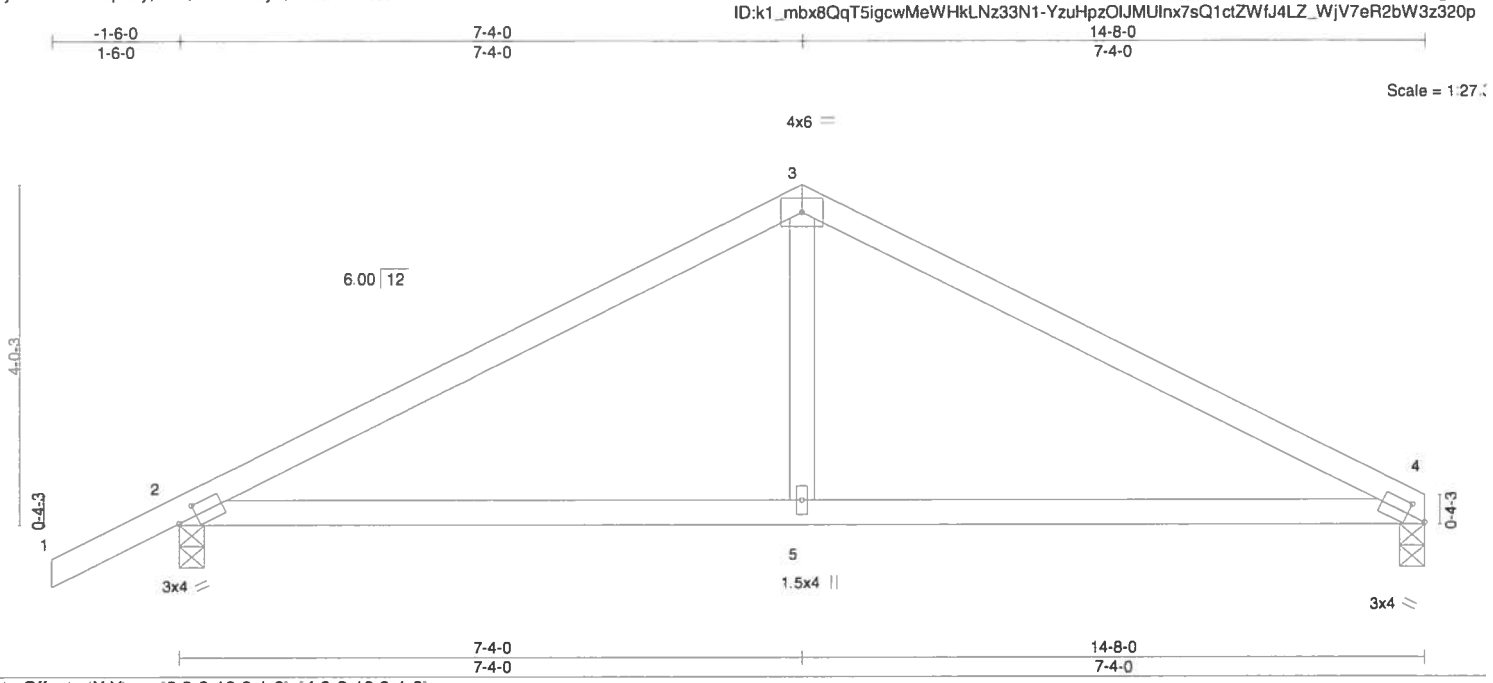


Plate Offsets (X,Y)-- [2:0-2-10,0-1-8], [4:0-2-10,0-1-8]

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	0.55	Vert(LL)	-0.09	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.17	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 54 lb	FT = 0%

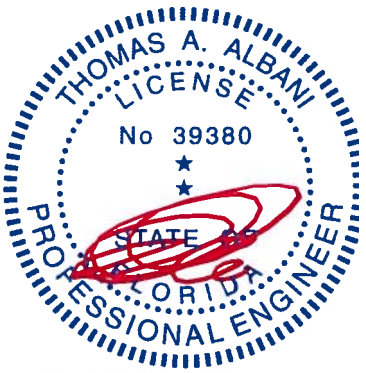
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 4=582/0-3-8, 2=681/0-3-8
Max Horz 2=70(LC 11)
Max Uplift 2=-39(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-841/232, 3-4=-821/231
BOT CHORD 2-5=-105/680, 4-5=-105/680
WEBS 3-5=0/335

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) 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:
June 24,2(

6904 Parke East Blvd.
Tampa, FL 33610

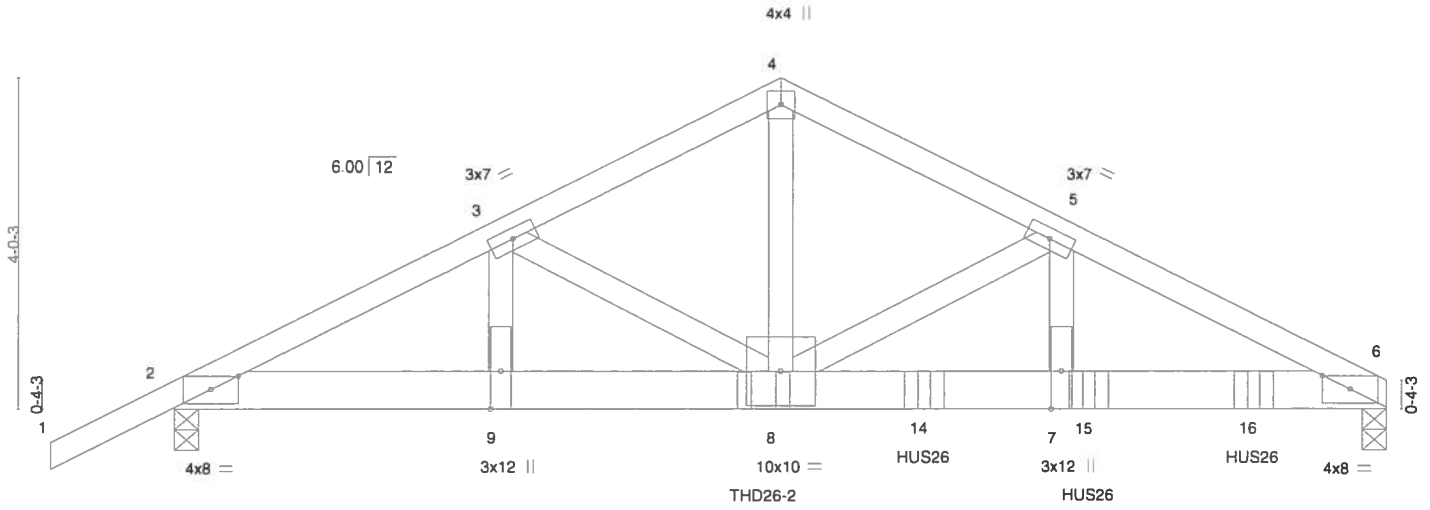
Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	D3GIR	Common Girder	1	2	T17426033

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:52 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-UM02EfQ?rzlT0FHFYSfLfxkeI9EK_V5Q6IXhbxz320n

-1-6-0	3-11-4	7-4-0	10-8-12	14-8-0
1-6-0	3-11-4	3-4-12	3-4-12	3-11-4

Scale = 1:28.1



3-11-4	7-4-0	10-8-12	14-8-0
3-11-4	3-4-12	3-4-12	3-11-4

Plate Offsets (X,Y)-- [2:0-4-0,0-1-15], [6:0-4-0,0-1-15]

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)	-0.09	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.18	7-8	>994	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 163 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP SS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=4870/0-3-8, 2=3018/0-3-8
Max Horz 2=70(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-6136/0, 3-4=-6051/0, 4-5=-6052/0, 5-6=-9020/0
BOT CHORD 2-9=0/5458, 8-9=0/5458, 7-8=0/8063, 6-7=0/8063
WEBS 4-8=0/5146, 5-8=-3084/0, 5-7=0/2618, 3-8=-250/138

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 0-8-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-5-0 oc, Except member 8-5 2x4 - 1 row at 0-9-0 oc, member 5-7 2x4 - 1 row at 0-9-0 oc, member 8-3 2x4 - 1 row at 0-9-0 oc, member 3-9 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) 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) Use USP THD26-2 (With 16d nails into Girder & 10d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) to front face of bottom chord.
8) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 13-0-12 to connect truss(es) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 2-6=-20
Concentrated Loads (lb)
Vert: 8=-2788(F) 14=-1279(F) 15=-1279(F) 16=-1279(F)

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

June 24,20

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	J1	Jack-Open	19	1	T17426034

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:53 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-yYaQR?QdcHtKePsR6AAaB8HocYbQj5PZLPHF7Oz320m

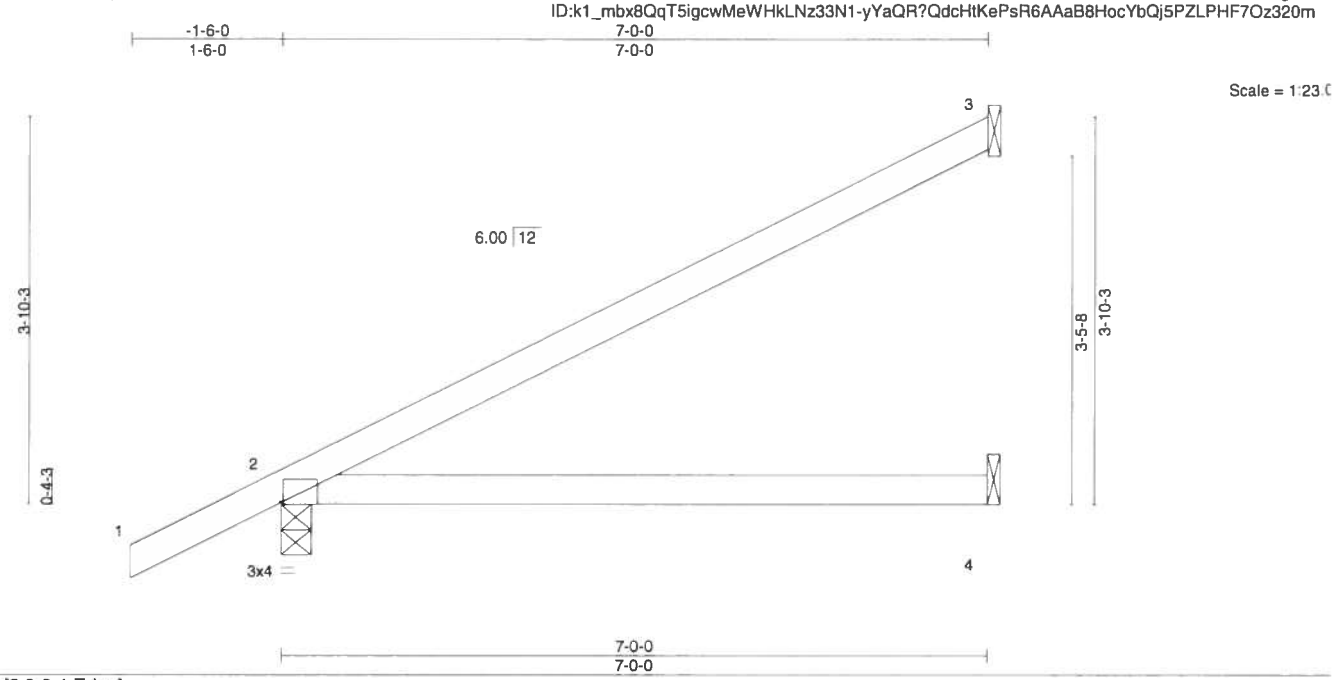


Plate Offsets (X,Y)-- [2:0-0-4,Edge]

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	0.60	Vert(LL)	0.10	4-7	>852	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>398	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: 25 lb	FT = 0%

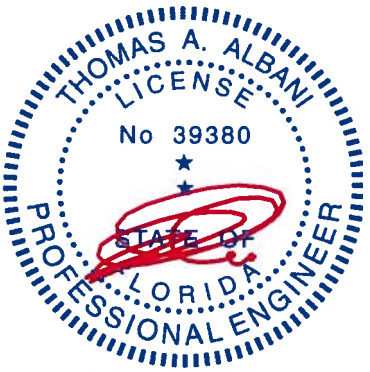
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (lb/size) 3=185/Mechanical, 2=377/0-3-8, 4=82/Mechanical
Max Horz 2=111(LC 12)
Max Uplift 3=-44(LC 12), 2=-21(LC 12)
Max Grav 3=185(LC 1), 2=377(LC 1), 4=124(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) 3, 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.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

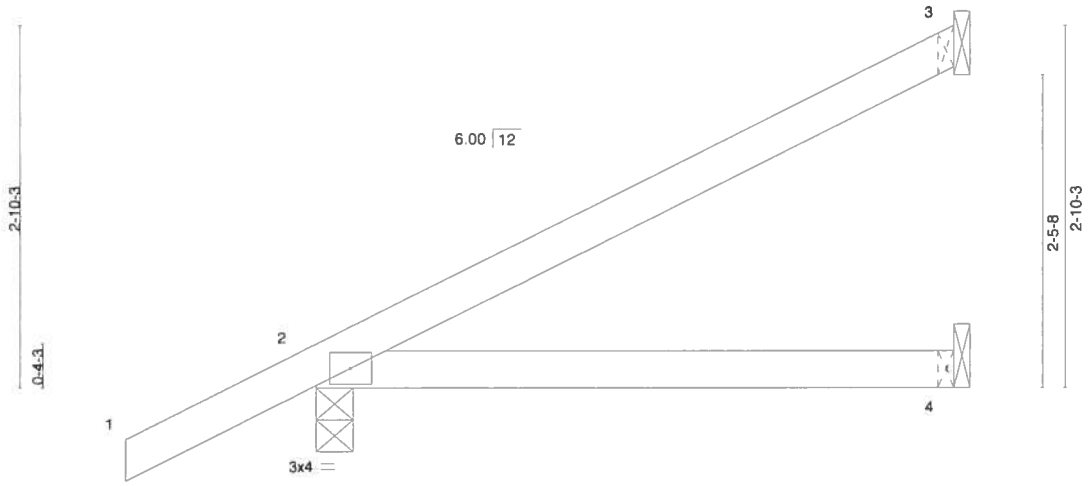
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	J2	Jack-Open	4	1	T17426035
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:54 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-Rk8oeLRFNb?BGZRdfthpkMp2Hy?nSYfjZ30ofqz320I

-1-6-0 5-0-0
1-6-0 5-0-0

Scale = 1:18.2



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	0.28	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	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: 18 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=126/Mechanical, 2=301/0-3-8, 4=58/Mechanical
Max Horz 2=87(LC 12)
Max Uplift 3=-29(LC 12), 2=-29(LC 12)
Max Grav 3=126(LC 1), 2=301(LC 1), 4=88(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) 3, 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.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

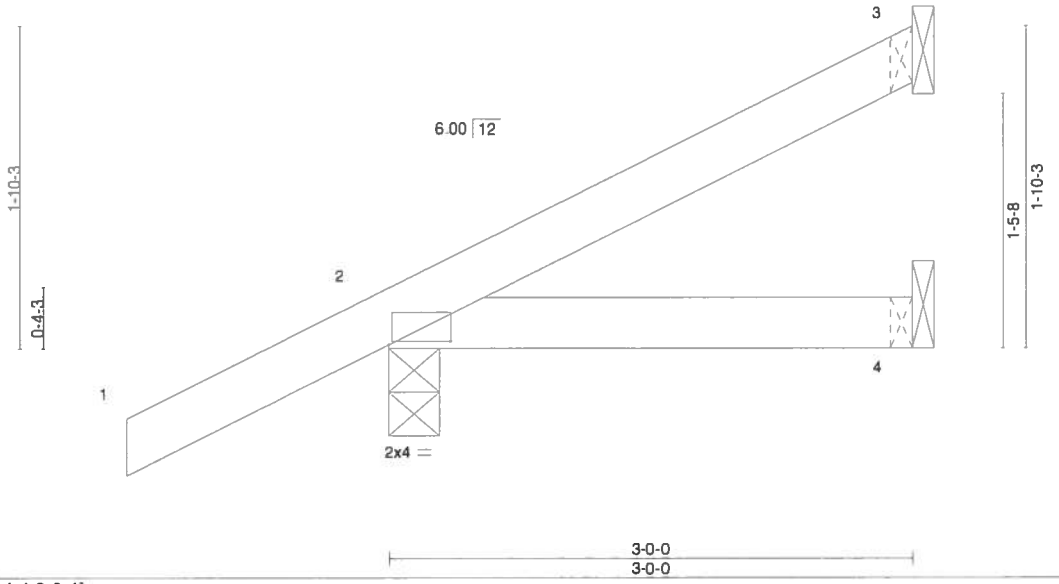
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Amelia 1409
AMELIA_1409	J3	Jack-Open	4	1	T17426036
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:55 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-vxiAsgSt8u72ti0pDbC2GZMFAMNdB?vsojmMBGz320k

-1-6-0 3-0-0
1-6-0 3-0-0

Scale = 1:13.3



3-0-0
3-0-0

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

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	0.14	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	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: 12 lb	FT = 0%

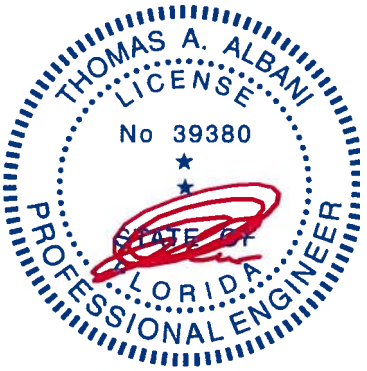
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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=65/Mechanical, 2=230/0-3-8, 4=29/Mechanical
Max Horz 2=63(LC 12)
Max Uplift 3=-12(LC 12), 2=-40(LC 12)
Max Grav 3=65(LC 1), 2=230(LC 1), 4=50(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) 3, 2.



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

June 24,20

Job	Truss	Truss Type	Qty	Ply	Amelia 1409	T17426037
AMELIA_1409	J4	Jack-Open	4	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Jun 24 14:38:55 2019 Page 1
ID:k1_mbx8QqT5igcwMeWHkLNz33N1-vxiAsgSt8u72ti0pDbC2GZMFAMOJB?vsojmMBGz320k

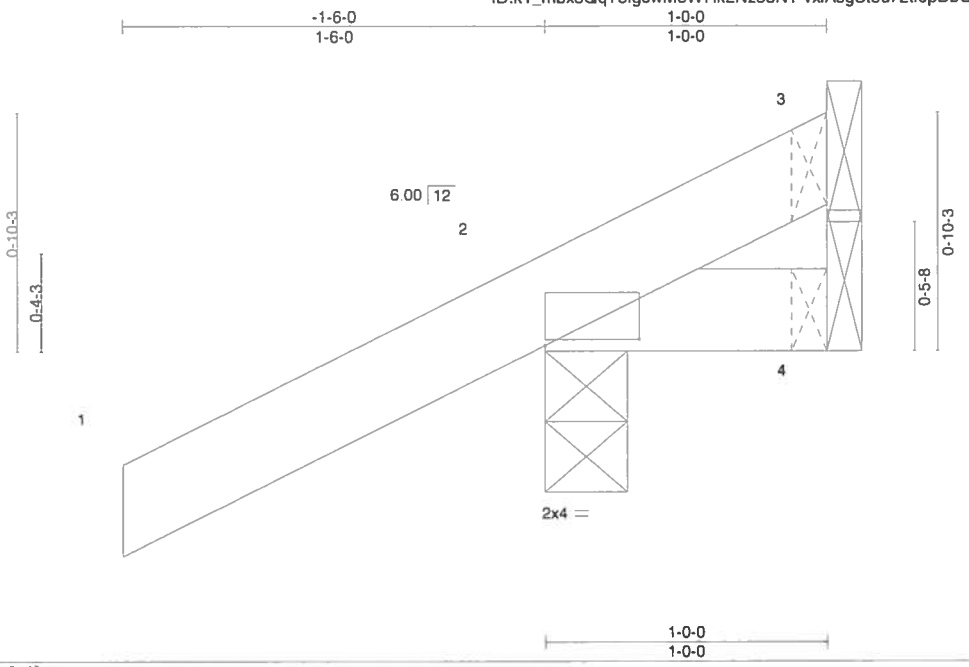


Plate Offsets (X,Y)-- [2:0-4-0,0-0-4]

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	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>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: 6 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=-7/Mechanical, 2=198/0-3-8, 4=-22/Mechanical
Max Horz 2=39(LC 12)
Max Uplift 3=-7(LC 1), 2=-71(LC 12), 4=-22(LC 1)
Max Grav 3=12(LC 12), 2=198(LC 1), 4=22(LC 12)

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

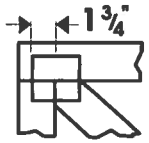
NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & 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) 3, 2, 4.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 24,20

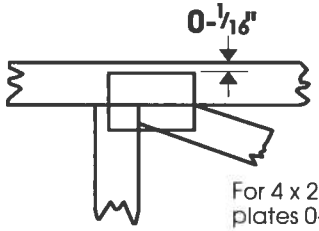
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

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

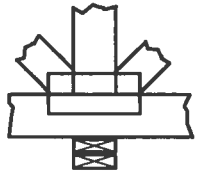
4 x 4

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

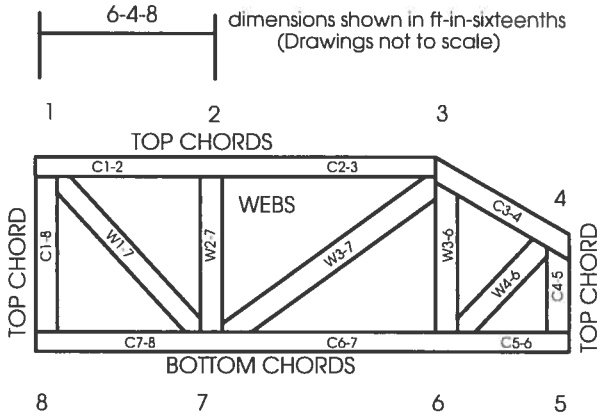


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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 responsibility 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

Project Title:
Amelia 1409 Model

Lake City, FL

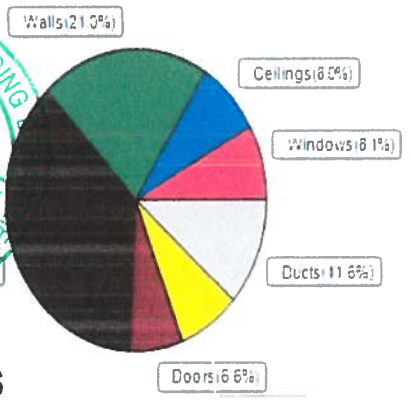
6/23/2019

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	**22406**	**Btuh**		**Total cooling load calculation**	**16320**	**Btuh**
Submitted heating capacity	% of calc	Btuh		Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	133.9	30000		Sensible (SHR = 0.85)	184.9	25500
Heat Pump + Auxiliary(0.0kW)	133.9	30000		Latent	178.2	4500
				Total (Electric Heat Pump)	183.8	30000

WINTER CALCULATIONS

Winter Heating Load (for 1409 sqft)

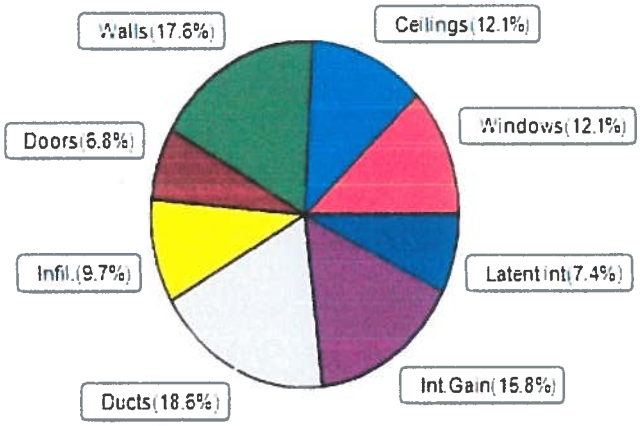
Load component			Load	
Window total	137	sqft	1808	Btuh
Wall total	1367	sqft	4714	Btuh
Door total	92	sqft	1472	Btuh
Ceiling total	1409	sqft	1795	Btuh
Floor total	1409	sqft	8354	Btuh
Infiltration	38	cfm	1670	Btuh
Duct loss			2593	Btuh
Subtotal			**22406**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**22406**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1409 sqft)

Load component			Load	
Window total	137	sqft	1974	Btuh
Wall total	1367	sqft	2874	Btuh
Door total	92	sqft	1104	Btuh
Ceiling total	1409	sqft	1974	Btuh
Floor total			0	Btuh
Infiltration	29	cfm	595	Btuh
Internal gain			2580	Btuh
Duct gain			2694	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**13795**	**Btuh**
Latent gain(ducts)			338	Btuh
Latent gain(infiltration)			987	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**2525**	**Btuh**
TOTAL HEAT GAIN			**16320**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 6-23-19

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Amelia 1409 Model	Builder Name:	Adam's Construction
Street:		Permit Office:	
City, State, Zip:	Lake City , FL ,	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Gainesville	County:	columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	1409
Conditioned floor area below grade (ft²)	0

7. Windows(137.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.33	137.00 ft²
SHGC:	SHGC=0.22	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		2.157 ft.
Area Weighted Average SHGC:		0.220

8. Floor Types (1409.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1409.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1596.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1341.00 ft²
b. Frame - Wood, Adjacent	R=13.0	255.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1409.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=30.0	1409.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	281.8

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	30.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	30.0	HSPF:8.50

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.920

b. Conservation features
None

15. Credits — CF, Pstat

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

Glass/Floor Area: 0.097

Total Proposed Modified Loads: 43.50
Total Baseline Loads: 45.92

PASS

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

PREPARED BY: _____
DATE: 6-23-19

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

OWNER/AGENT: _____
DATE: _____

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

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).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Amelia 1409 Model	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1522	Lot #	4
Owner Name:		Total Stories:	1	Block/Subdivision:	Amelia Landing
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Adam's Construction	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	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	1409	12681

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1409	12681	Yes	6	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	177 ft	0	1409 ft²	----	0.33	0.33	0.34

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	1576 ft²	0 ft²	Medium	N	0.85	No	0.9	No	0	26.6

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1409 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	1409 ft²	0.11	Wood

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
___	1	N	Exterior	Frame - Wood	Main	13	50		9		450.0 ft²	0.625	0.23	0.75	0
___	2	E	Exterior	Frame - Wood	Main	13	39		9		351.0 ft²	0.625	0.23	0.75	0
___	3	S	Exterior	Frame - Wood	Main	13	14	8	9		132.0 ft²	0.625	0.23	0.75	0
___	4	W	Exterior	Frame - Wood	Main	13	6		9		54.0 ft²	0.625	0.23	0.75	0
___	5	S	Exterior	Frame - Wood	Main	13	8		9		72.0 ft²	0.625	0.23	0.75	0
___	6	W	Exterior	Frame - Wood	Main	13	7		9		63.0 ft²	0.625	0.23	0.75	0
___	7	S	Exterior	Frame - Wood	Main	13	6	4	9		57.0 ft²	0.625	0.23	0.75	0
___	8	W	Exterior	Frame - Wood	Main	13	18		9		162.0 ft²	0.625	0.23	0.75	0
___	9	S	Garage	Frame - Wood	Main	13	28	4	9		255.0 ft²	0.625	0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	N	Insulated	Main	None	.4	6		8		48 ft²
_____	2	S	Insulated	Main	None	.4	3		8		24 ft²
_____	3	S	Insulated	Main	None	.4	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	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	72.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	2	E	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	3	E	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	3.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	4	S	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	5	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	6 ft 6 in	1 ft 4 in	None	None
_____	6	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	8.0 ft²	1 ft 6 in	1 ft 4 in	None	None

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	504 ft²	504 ft²	64 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1056.8	58.01	109.1	.1128	5

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.5	30 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 14	30 kBtu/hr	900 cfm	0.85	1	sys#1

HOT WATER SYSTEM

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

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	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	HVAC # Cool
_____	1	Attic	6	281.8 ft	Attic	70.45 ft	Prop. Leak Free	Garage	--- cfm	42.3 cfm	0.03	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

MASS

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