Columbia County New Building Permit Application $1492.19

For Office Use Only Application # 44403 Date Received 1/24 By MG Permit # 39348 | 39349

Zoning Official LW Date 1-28-20 Flood Zone X Land Use Ag Zoning A-3

FEMA Map # _____ Elevation _____ MFE _____ River _____ Plans Examiner T.C. Date 2-5-20

Comments _____

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

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

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

Septic Permit No. 20-0123 OR City Water ☐ Fax _____

Applicant (Who will sign/pickup the permit) MATT HENTZELMAN Phone 386-755-5254

Address 163 SW MIDTOWN PLACE STE 101 LAKE CITY FL 32025

Owners Name BRANTLEY + TAMI STEVENS Phone 386 623 4458

911 Address ~~1186 SHENANDOAH GLEN~~ 4425 SW BIRLEY AVE LAKE CITY FL ~~32025~~ 32024

Contractors Name MATT HENTZELMAN Phone 386-755-5254

Address SAME AS ABOVE

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

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address _____

Mortgage Lenders Name & Address _____

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

Property ID Number 20-4S-16-03076-000 Estimated Construction Cost 300,000

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions from a Major Road SOUTH 247 RIGHT ON STEVENS RD, RIGHT (NORTH) ON BIRLEY AVE, APPROX 3/4 OF A MILE ON RIGHT

Construction of NEW RSF ____ Commercial OR X Residential

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

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

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

Actual Distance of Structure from Property Lines - Front 276' Side 221' Side 220' Rear 268'

Number of Stories 2 Heated Floor Area 2648 Total Floor Area 3687 Acreage 6.5

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

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.

Brantley Stevens — **Print Owners Name**

Brantley Stev — **Owners Signature**

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

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

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

Contractor's Signature

Contractor's License Number CGC1514780
Columbia County Competency Card Number 855 DLC

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24 **day of** JAN **20** 20.

Personally known ☑ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL

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

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 44403 JOB NAME Stevens

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

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

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

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

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

Columbia County Property Appraiser

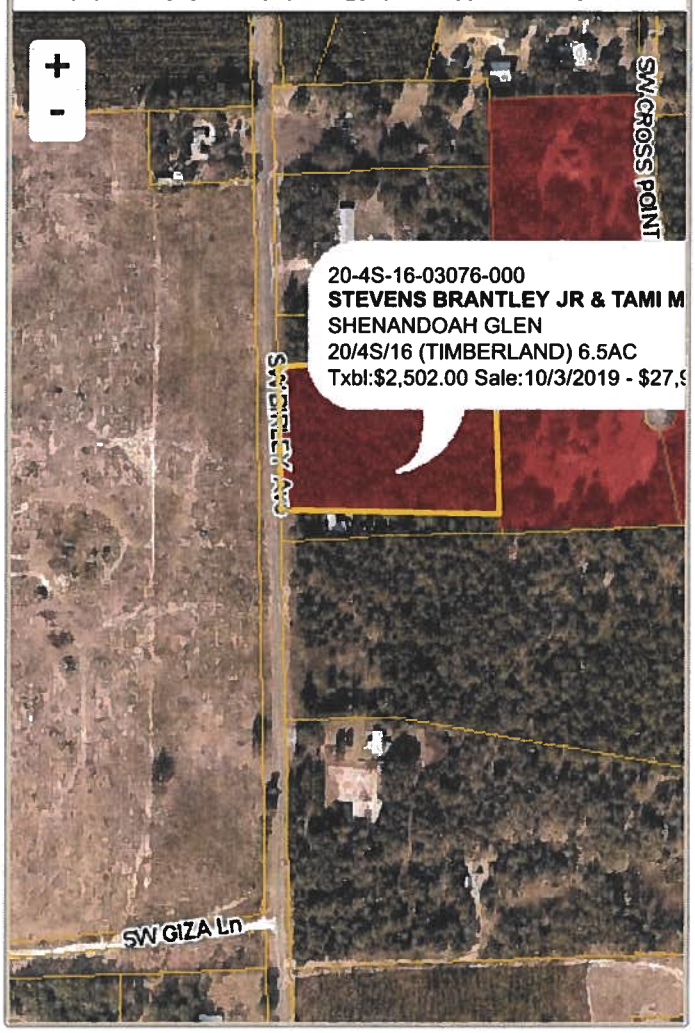
Jeff Hampton

2020 Working Values
updated: 1/6/2020

Parcel: << **20-4S-16-03076-000** >>

Aerial Viewer Pictometery Google Maps

2019 2016 2013 2010 2007 2005 Sales



Owner & Property Info

Owner	**STEVENS BRANTLEY JR & TAMI M** 1186 SHENANDOAH GLEN LAKE CITY, FL 32025		
Site	,		
Description*	W1/2 OF NW1/4 OF NE1/4, EX N 12.41 AC & EX 1.10 AC ON S SIDE. UNDIV 1/5 INT EA ORB 815 124, WD 1338-590, WD 1396-367, WD 1397-774,		
Area	6.5 AC	S/T/R	20-4S-16
Use Code**	TIMBERLAND (005500)	Tax District	3

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

Property & Assessment Values

2019 Certified Values		2020 Working Values	
Mkt Land (0)	$0	Mkt Land (0)	$0
Ag Land (1)	$2,502	Ag Land (1)	$2,502
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$25,335	Just	$25,335
Class	$2,502	Class	$2,502
Appraised	$2,502	Appraised	$2,502
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$2,502	Assessed	$2,502
Exempt	$0	Exempt	$0
Total Taxable	county:$2,502 city:$2,502 other:$2,502 school:$2,502	Total Taxable	county:$2,502 city:$2,502 other:$2,502 school:$2,502

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
10/23/2019	$100	1397/0774	WD	V	U	30
10/3/2019	$27,900	1369/0367	WD	V	U	30
5/17/2017	$0	1338/0590	WD	V	U	11
12/15/1995	$0	815/0124	WD	V	U	02 (Multi-Parcel Sale) - show

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
005500	TIMBER 2 (AG)	6.500 AC	1.00/1.00 1.00/1.00	$385	$2,502
009910	MKT.VAL.AG (MKT)	6.500 AC	1.00/1.00 1.00/1.00	$0	$25,335

BSG:lss
8560.01-19-093
10/22/2019

REC. 27.00
DOC. .70
INT.
INDEX
CONSIDERATION

This instrument prepared by
Bonnie S. Green
Darby Peele & Green, PLLC
Attorney at Law
1241 South Marion Avenue
Lake City, Florida 32025

Inst: 201912024872 Date: 10/25/2019 Time: 1:11PM
Page 1 of 3 B: 1397 P: 774, P.DeWitt Cason, Clerk of Court Colum
County, By: BD
Deputy ClerkDoc Stamp-Deed: 0.70

CORRECTIVE WARRANTY DEED

THIS CORRECTIVE WARRANTY DEED made this 23rd day of October, 2019, by the ALEX AND BLONDINA STEVENS FAMILY, LLC., a Florida limited liability, company, whose mailing address is 5159 Southwest State Road 247, Lake City, Florida 32024, hereinafter called the Grantor, to BRANTLEY STEVENS, JR. and TAMI M. STEVENS, his wife, whose mailing address is 1186 Shenandoah Glen, Lake City, Florida 32025, hereinafter called the Grantee:

W I T N E S S E T H:

That the Grantors, for and in consideration of the sum of TEN AND NO/100 ($10.00) DOLLARS and other valuable considerations, receipt whereof is hereby acknowledged, hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee, all that certain land situate in Columbia County, Florida, viz:

TOWNSHIP 4 SOUTH, RANGE 16 EAST

Section 20: The W 1/2 of the NW 1/4 of the NE 1/4, LESS AND EXCEPT the North 12.41 acres presently identified on the tax rolls as Parcel Numbers 20-4S-16-03076-006, 20-4S-16-03076-007, 20-4S-16-03076-008, and LESS AND EXCEPT 1.10 acres on the South side.

The above described lands being the same lands more particularly described as follows:

The West 1/2 of the Northwest 1/4 of the Northeast 1/4 of Section 20, Township 4 South, Range 16 East, Columbia County, Florida.

LESS AND EXCEPT those lands described in Book 304, Page 377; Book 431, Page 96; Book 506, Page 155; Book 451, Page 441; Book 613, Page 791; and Book 646, Page 71 of the public records of Columbia County, Florida.

ALSO, LESS AND EXCEPT right of way of SW Birley Avennue.

Parcel Number: 20-4S-16-03076-000

This deed is given to and accepted by Grantee subject to all easements, restrictions, reservations, and limitations of record, if any, outstanding mineral interests of record, if any, and all land use and zoning rules, regulations and ordinances.

Grantor hereby warrants that neither the subject property nor any contiguous property was ever utilized by it or any member of its family as their homestead.

The sole purpose of this Corrective Warranty Deed is to correct the legal description in the Warranty Deed between the same parties dated October 3, 2019, recorded in Official Records Book 1396, Page 367, public records of Columbia County, Florida.

TOGETHER WITH all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantors hereby covenant with said Grantee that the Grantors are lawfully seized of said land in fee simple; that the Grantors have good right and lawful authority to sell and convey said land; that the Grantors hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2018.

IN WITNESS WHEREOF, the said Grantors have signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in the presence of:

Witness
Loretta S. Steinmann
(Print/type name)

Witness
BONNIE S. GREEN
(Print/type name)

ALEX AND BLONDINA STEVENS FAMILY, LLC.

By: _____
ALEX H. STEVENS, JR.
Manager

By: _____
LISA S. BRINKLEY
Manager

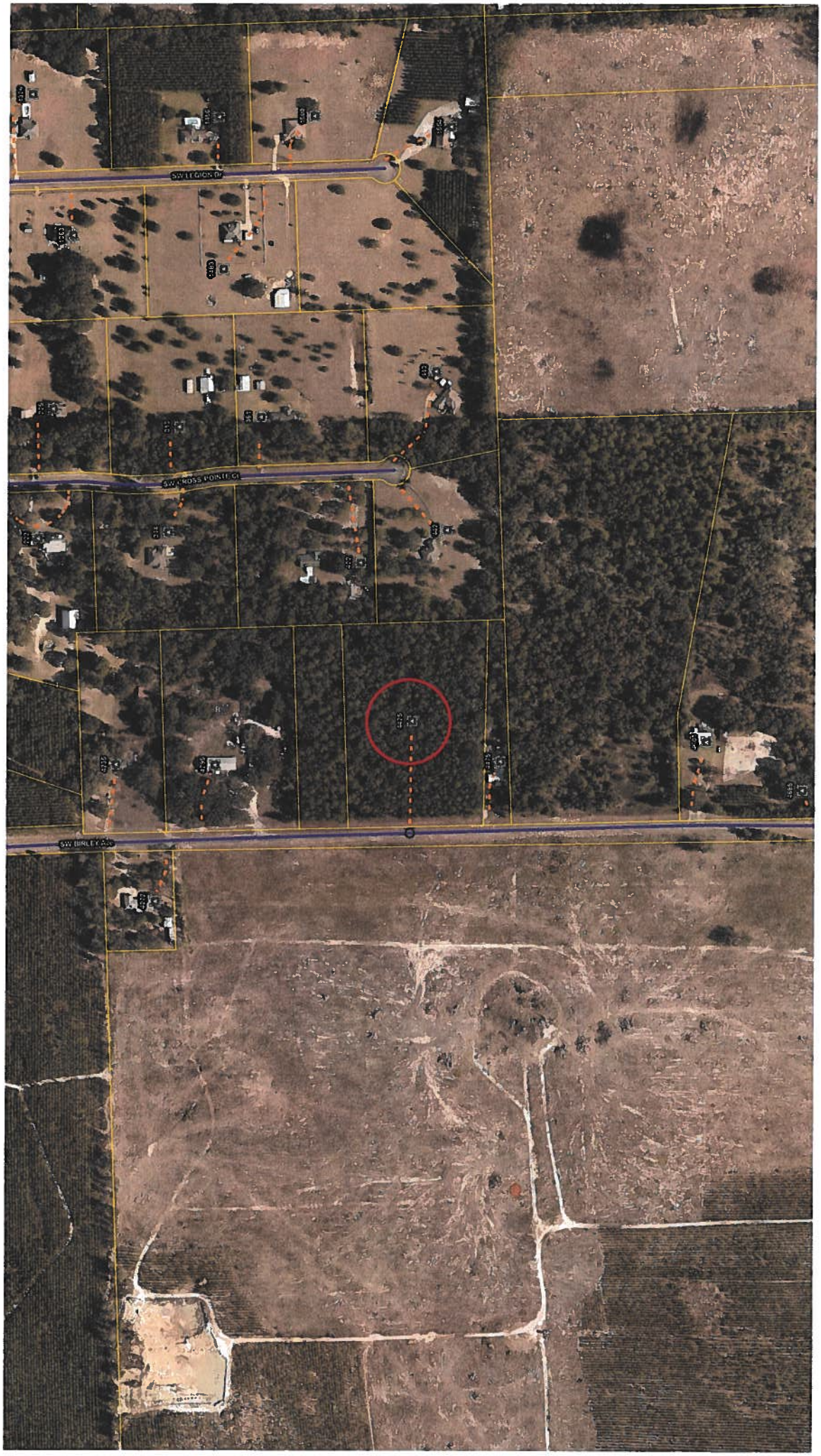
STATE OF FLORIDA

COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 23 day of October, 2019, by ALEX H. STEVENS, JR., and LISA S. BRINKLEY, as Managers of the ALEX AND BLONDINA STEVENS FAMILY, LLC., a Florida limited liability company, for and on behalf of said Company, who are personally known to me.

LORETTA S. STEINMANN
Commission # GG 141530
Expires October 8, 2021
Bonded Thru Troy Fain Insurance 800-385-7019
(NOTARIAL SEAL)

Notary Public, State of Florida
Loretta S. Steinmann
My commission expires:


SW LEGION Dr
SW CROSS POINTE Ct
SW BIRLEY Ave

44403

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:	**1/29/2020 3:11:22 PM**
Address:	**4425 SW BIRLEY Ave**
City:	**LAKE CITY**
State:	**FL**
Zip Code	**32024**
Parcel ID	**03076-000**

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

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

DATE 2-20-20

CUSTOMER Brantley + Tami Stevens
4425 SW Birley Ave
Lake City, FL 32024

LOCATION Par # 03076-000

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

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

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

THANK YOU

NOT RESPONSIBLE FOR THE QUALITY OF WATER

App#44403

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

PERMIT NO. 20-0123
DATE PAID: 2/12/20
FEE PAID: 310.00
RECEIPT #: 1468118

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

APPLICANT: Brantley Stevens

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

MAILING ADDRESS: 546 SW Dortch Street, FT. WHITE, FL, 32038

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

PROPERTY INFORMATION

LOT: NA BLOCK: NA SUB: NA PLATTED: _____

PROPERTY ID #: 20-4S-16-03076-000 ZONING: _____ I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 6.5 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: 4425 SW Birley Ave Lake City

DIRECTIONS TO PROPERTY: 90 West Left on 247 South Right on CR 242 Right on Birley Rd to address on Right

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	4	2648	
2				
3				

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

SIGNATURE: William D. Bishop II DATE: 2/5/2020

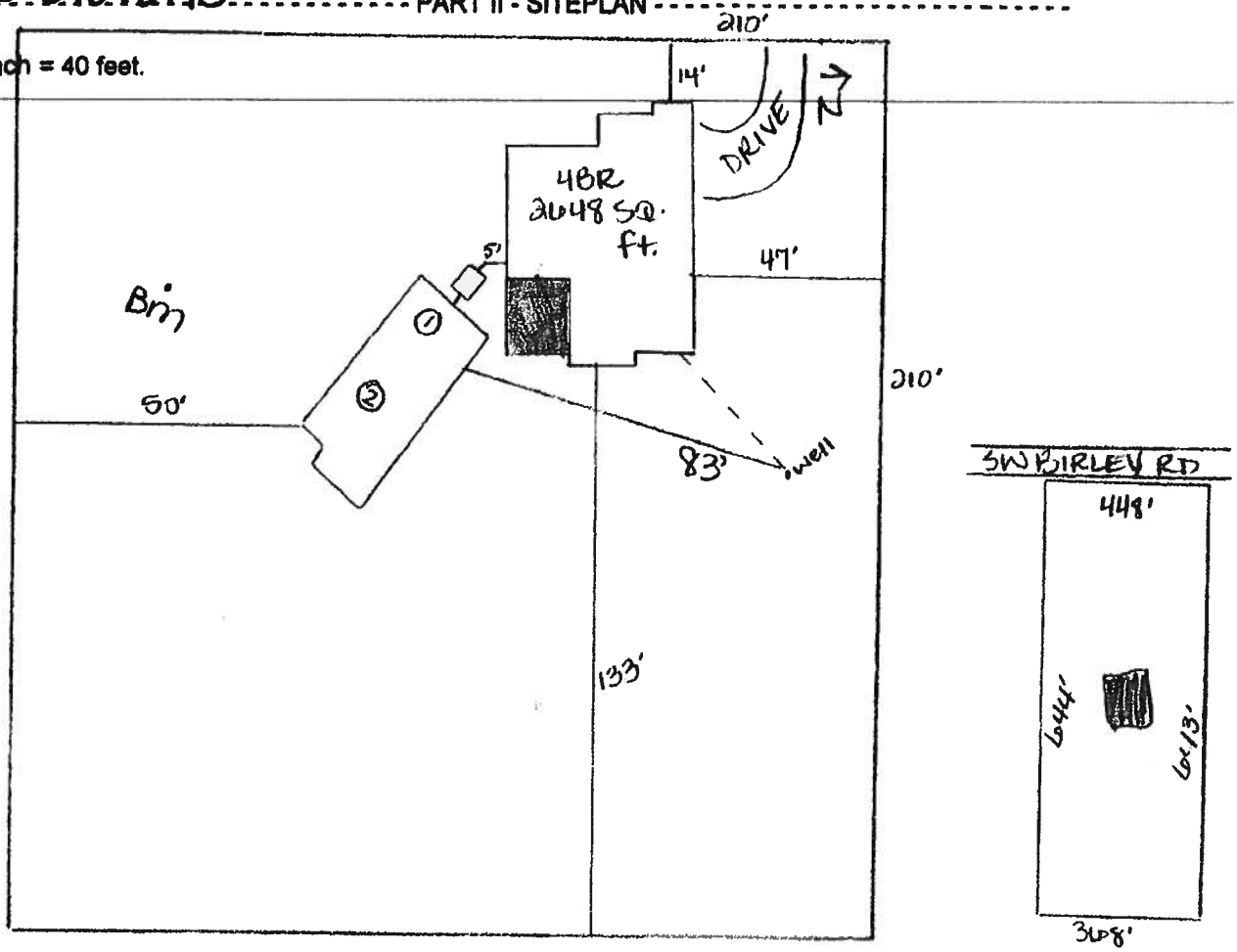
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

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

Permit Application Number 20-0123

B. Stevens ---------- PART II - SITEPLAN ----------

Scale: 1 inch = 40 feet.



Notes: 1 ACRE OF L.S

Site Plan submitted by: William O. Bishop IV — MASTER CONTRACTOR

Plan Approved X — Not Approved ____ Date 2/5/2020

By _____ County Health Department 2/20/20

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

Revised 7/1/18

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

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

Items to Include- Each Box shall be Circled as Applicable

Select From Drop down

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

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

Site Plan information including:

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	**Plans or specifications must show compliance with FBCR Chapter 3**	Yes	No	NA

Select From Drop down

9	Basic wind speed (3-second gust), miles per hour	-		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	-		
11	Wind importance factor and nature of occupancy	-		
12	The applicable internal pressure coefficient, Components and Cladding	-		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	-		

Elevations Drawing including:

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

Floor Plan Including:

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

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

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

FBCR 403: Foundation Plans

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		Select from Drop down		
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	-		
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	-		
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	-		
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	-		
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	-		
58	Indicate where pressure treated wood will be placed	-		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	-		
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	-		

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for Residential Building

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable			
		Select from Drop Down			
74	Show the insulation R value for the following areas of the structure	-			
75	Attic space	-			
76	Exterior wall cavity	-			
77	Crawl space	-			

HVAC information

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

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundationplan	-			
82	Show the location of water heater	-			

Private Potable Water

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

Electrical layout shown including

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

Notice Of Commencement:

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

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

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

Select from Drop down

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

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

Disclosure Statement for Owner Builders:

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

****This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - http://www.columbiacountyfla.com/BuildingandZoning.asp**

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

Notification:

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

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

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

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

Contractor OR Agent Signature _____ Date _____

NOTES: _____

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Brantley Stevens 2 Story	Builder Name:	
Street:		Permit Office:	Columbia
City, State, Zip:	Lake City , FL , 32025	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	4			
5. Is this a worst case?	No			
6. Conditioned floor area above grade (ft²)	2650			
Conditioned floor area below grade (ft²)	0			
7. Windows(298.8 sqft.)	Description		Area	
a. U-Factor:	Dbl, U=0.55		208.25 ft²	
SHGC:	SHGC=0.60			
b. U-Factor:	Dbl, U=0.35		90.50 ft²	
SHGC:	SHGC=0.25			
c. U-Factor:	N/A		ft²	
SHGC:				
d. U-Factor:	N/A		ft²	
SHGC:				
Area Weighted Average Overhang Depth:			1.333 ft.	
Area Weighted Average SHGC:			0.494	
8. Floor Types (2648.0 sqft.)		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=0.0	1623.00 ft²	
b. Raised Floor		R=0.0	1025.00 ft²	
c. N/A		R=	ft²	

9. Wall Types (3249.5 sqft.)	Insulation	Area	
a. Frame - Wood, Exterior	R=13.0	3105.50 ft²	
b. Frame - Wood, Adjacent	R=13.0	144.00 ft²	
c. N/A	R=	ft²	
d. N/A	R=	ft²	
10. Ceiling Types (2650.0 sqft.)	Insulation	Area	
a. Under Attic (Vented)	R=30.0	1625.00 ft²	
b. Knee Wall (Vented)	R=38.0	1025.00 ft²	
c. N/A	R=	ft²	
11. Ducts		R	ft²
a. Sup: Main, Ret: Main, AH: Main		6	480
12. Cooling systems	kBtu/hr	Efficiency	
a. Central Unit	33.1	SEER:15.00	
13. Heating systems	kBtu/hr	Efficiency	
a. Electric Heat Pump	46.9	HSPF:8.20	
14. Hot water systems			
a. Electric		Cap: 50 gallons	
		EF: 0.920	
b. Conservation features			
None			
15. Credits		None	

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

Glass/Floor Area: 0.113

Total Proposed Modified Loads: 83.50

Total Baseline Loads: 85.38

PASS

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

PREPARED BY: _____

DATE: 12/18/2019

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

OWNER/AGENT: _____

DATE: _____

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

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

BUILDING OFFICIAL: _____

DATE: _____

- **Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.**
- **Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires ar envelope leakage test report with envelope leakage no greater than 3.00 ACH50 (R402.4.1.2).**
- **Compliance requires a roof absorptance test in accordance with R405.7.2**
- **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 0.040 Qn for whole house.**

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Brantley Stevens 2 Story	Bedrooms:	4	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2650	Lot #	
Owner Name:		Total Stories:	2	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:	Columbia	Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32025
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	2650	22825

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1625	14625	Yes	6	1	1	Yes	Yes	Yes
2	2nd Floor	1025	8200	No	0	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	196 ft	0	1623 ft²	___	0.2	0	0.8
_____	2	Raised Floor	Main	___	___	1025 ft²	0	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	3183 ft²	882 ft²	Medium	N	0.75	Yes	0.9	No	0	33.7

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2648 ft²	N	N

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	Main	30	Blown	1625 ft²	0.11	Wood
____	2	Knee Wall (Vented)	2nd Floor	38	Blown	1025 ft²	0.11	Wood

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	37		18	4	678.3 ft²		0.23	0.75	0
____ 2	E	Exterior	Frame - Wood	Main	13	14		9		126.0 ft²		0.23	0.75	0
____ 3	S	Exterior	Frame - Wood	Main	13	2		9		18.0 ft²		0.23	0.75	0
____ 4	E	Exterior	Frame - Wood	Main	13	16		9		144.0 ft²		0.23	0.75	0
____ 5	S	Garage	Frame - Wood	Main	13	16		9	0	144.0 ft²		0.23	0.01	0
____ 6	E	Exterior	Frame - Wood	Main	13	15		9		135.0 ft²		0.23	0.75	0
____ 7	S	Exterior	Frame - Wood	Main	13	30		9		270.0 ft²		0.23	0.75	0
____ 8	W	Exterior	Frame - Wood	Main	13	22		9	0	198.0 ft²		0.23	0.75	0
____ 9	N	Exterior	Frame - Wood	Main	13	10	6	9		94.5 ft²		0.23	0.75	0
____ 10	W	Exterior	Frame - Wood	Main	13	23		9	0	207.0 ft²		0.23	0.75	0
____ 11	N	Exterior	Frame - Wood	2nd Floor	13	12	10	8		102.7 ft²		0.23	0.75	0
____ 12	E	Exterior	Frame - Wood	2nd Floor	13	45		8		360.0 ft²		0.23	0.75	0
____ 13	N	Exterior	Frame - Wood	2nd Floor	13	32	2	8		257.3 ft²		0.23	0.75	0
____ 14	S	Exterior	Frame - Wood	2nd Floor	13	22		8		176.0 ft²		0.23	0.75	0
____ 15	W	Exterior	Frame - Wood	2nd Floor	13	19	4	8		154.7 ft²		0.23	0.75	0
____ 16	S	Exterior	Frame - Wood	2nd Floor	13	23		8		184.0 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
____	1	N	Insulated	Main	None	.35	6		6	8	40 ft²
____	2	N	Insulated	Main	None	.46	3		6	8	20 ft²
____	3	N	Insulated	Main	None	.46	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	1	Vinyl	Low-E Double	Yes	0.35	0.25	N	8.0 ft²	1 ft 4 in	8 ft 0 in	Drapes/blinds	None
____	2	N	1	Vinyl	Low-E Double	Yes	0.35	0.25	N	30.0 ft²	1 ft 4 in	8 ft 0 in	Drapes/blinds	None
____	3	E	2	Vinyl	Low-E Double	Yes	0.35	0.25	N	30.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	4	E	4	Vinyl	Low-E Double	Yes	0.35	0.25	N	22.5 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	5	S	7	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	30.0 ft²	1 ft 4 in	8 ft 0 in	Drapes/blinds	None
____	6	W	8	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	60.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	7	N	11	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	32.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	8	N	13	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	32.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	9	N	13	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	16.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	10	S	14	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	32.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
____	11	S	14	Vinyl	Double (Tinted)	Yes	0.55	0.6	N	6.3 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	440 ft²	440 ft²	64 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000164	1141.3	62.65	117.83	.084	3

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.2	48.9 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 15	33.09 kBtu/hr	990 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Main	0.92	50 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	Main	6	480 ft²	Main	120 ft²	Proposed Qn	Main	— cfm	106.0 cfm	0.04	0.60	1	1

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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	78	78	78	78
	PM	78	78	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	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

MECHANICAL VENTILATION

Type	Supply CFM	Exhaust CFM	Fan Watts	HRV	Heating System	Run Time	Cooling System
Fans/ERV	0	120	17.8	0	1 - Electric Heat Pump	100%	1 - Central Unit

MASS

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

2017 EPL DISPLAY CARD

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 98

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

1. New home or, addition	1. New (From Plans)
2. Single-family or multiple-family	2. Single-family
3. No. of units (if multiple-family)	3. 1
4. Number of bedrooms	4. 4
5. Is this a worst case? (yes/no)	5. No
6. Conditioned floor area (sq. ft.)	6. 2650
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.489
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.494
c) Area	7c. 298.8
8. Skylights	
a) U-factor:(weighted average)	8a. NA
b) Solar Heat Gain Coefficient (SHGC)	8b. NA
9. Floor type, insulation level:	
a) Slab-on-grade (R-value)	9a. 0.0
b) Wood, raised (R-value)	9b. 0.0
c) Concrete, raised (R-value)	9c.
10. Wall type and insulation:	
A. Exterior:	
1. Wood frame (Insulation R-value)	10A1. 13.0
2. Masonry (Insulation R-value)	10A2.
B. Adjacent:	
1. Wood frame (Insulation R-value)	10B1. 13.0
2. Masonry (Insulation R-value)	10B2.
11. Ceiling type and insulation level	
a) Under attic	11a. 30.0
b) Single assembly	11b.
c) Knee walls/skylight walls	11c. 38.0
d) Radiant barrier installed	11d. No

12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Main
13. Cooling system:	Capacity 33.1
a) Split system	SEER
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	15.0
14. Heating system:	Capacity 48.9
a) Split system heat pump	HSPF
b) Single package heat pump	HSPF
c) Electric resistance	COP
d) Gas furnace, natural gas	AFUE
e) Gas furnace, LPG	AFUE
f) Other	8.20
15. Water heating system	
a) Electric resistance	EF 0.92
b) Gas fired, natural gas	EF
c) Gas fired, LPG	EF
d) Solar system with tank	EF
e) Dedicated heat pump with tank	EF
f) Heat recovery unit	HeatRec%
g) Other	
16. HVAC credits claimed (Performance Method)	
a) Ceiling fans	
b) Cross ventilation	No
c) Whole house fan	No
d) Multizone cooling credit	
e) Multizone heating credit	
f) Programmable thermostat	No

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

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

Builder Signature:_____ Date:_____

Address of New Home: _____ City/FL Zip: Lake City, FL 32025

FORM R405-2014

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 98

The lower the EnergyPerformance Index, the more efficient the home.

, Lake City, FL, 32025

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		4
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		2650
7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.55	208.25 ft²
SHGC:	SHGC=0.60	
b. U-Factor:	Dbl, U=0.35	90.50 ft²
SHGC:	SHGC=0.25	
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		1.333 ft.
Area Weighted Average SHGC:		0.494

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1623.00 ft²
b. Raised Floor	R=0.0	1025.00 ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	3105.50 ft²
b. Frame - Wood, Adjacent	R=13.0	144.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1625.00 ft²
b. Knee Wall (Vented)	R=38.0	1025.00 ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Main, Ret: Main, AH: Main	6	480

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	33.1	SEER:15.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	48.9	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 50 gallons
	EF: 0.92
b. Conservation features	
None	
15. Credits	None

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

Builder Signature: _____ Date: _____

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

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Email EnergyGauge tech support at techsupport@energygauge.com or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

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

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Brantley Stevens 2 Story			Address type:	S
Building Type:	User	Bedrooms:	4	Lot #:	
Owner:		Conditioned Area:	2650	Block/SubDivision:	
		Total Stories:	2	PlatBook:	
Builder Name:		Worst Case:	No	Street:	
Permit Office:	Columbia	Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:		City, State, Zip:	Lake City, FL, 32025
Family Type:	Single-family	Whole House Fan:			
New/Existing:	New (From Plans)	Terrain:	Suburban		
Year Construct:	2019	Shielding:	Suburban		
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_REGIONA	32	92	70	75	1305.5	51	Medium

UTILITY

√	Fuel	Unit	Utility Name	Monthly Fixed Cost	$/Unit
___	Electricity	kWh	EnergyGauge Default	0.00	0.12
___	Natural Gas	Therm	EnergyGauge Default	0.00	1.01
___	Fuel Oil	Gallon	EnergyGauge Default	0.00	1.10
___	Propane	Gallon	EnergyGauge Default	0.00	1.40

SURROUNDINGS

Ornt	Type	Shade Trees Height	Shade Trees Width	Shade Trees Distance	Exist	Adjacent Buildings Height	Adjacent Buildings Width	Adjacent Buildings Distance
N	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
NE	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
E	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
SE	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
S	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
SW	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
W	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
NW	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft

BLOCKS

√	Number	Name	Area	Volume
___	1	Block1	2650	22825

SPACES

√	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___	1	Main	1625	14625	Yes	6	1	Yes	Yes	Yes
___	2	2nd Floor	1025	8200	No	0	3	Yes	Yes	Yes

INPUT SUMMARY CHECKLIST REPORT

FLOORS (Total Exposed Area = 2648 sq.ft.)

√	#	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet
___	1	Slab-On-Grade Edge Ins	Main	196	0	1623 ft	0.518	---	0.2	0	0.8
___	2	Raised Floor	Main	---	---	1025 ft	0.215	0	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___	1	Gable or shed	Composition shingles	3183 ft²	882 ft²	Medium	N	0.75	Yes	0.9	No	0	33.7

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___	1	Full attic	Vented	300	2648 ft²	N	N

CEILING (Total Exposed Area = 2650 sq.ft.)

√	#	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___	1	Under Attic(Vented)	Main	30.0	Blown	1625.0ft²	0.032	0.11	Wood
___	2	Knee Wall(Vented)	2nd Floor	38.0	Blown	1025.0ft²	0.025	0.11	Wood

WALLS (Total Exposed Area = 3250 sq.ft.)

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
___	1	N	Exterior	Frame - Wood	Main	13.0	37.0	0	18.0	4	678.3	0.084		0.23	0.75	0 %
___	2	E	Exterior	Frame - Wood	Main	13.0	14.0	0	9.0	0	126.0	0.084		0.23	0.75	0 %
___	3	S	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.084		0.23	0.75	0 %
___	4	E	Exterior	Frame - Wood	Main	13.0	16.0	0	9.0	0	144.0	0.084		0.23	0.75	0 %
___	5	S	Garage	Frame - Wood	Main	13.0	16.0	0	9.0	0	144.0	0.084		0.23	0.01	0 %
___	6	E	Exterior	Frame - Wood	Main	13.0	15.0	0	9.0	0	135.0	0.084		0.23	0.75	0 %
___	7	S	Exterior	Frame - Wood	Main	13.0	30.0	0	9.0	0	270.0	0.084		0.23	0.75	0 %
___	8	W	Exterior	Frame - Wood	Main	13.0	22.0	0	9.0	0	198.0	0.084		0.23	0.75	0 %
___	9	N	Exterior	Frame - Wood	Main	13.0	10.0	6	9.0	0	94.5	0.084		0.23	0.75	0 %
___	10	W	Exterior	Frame - Wood	Main	13.0	23.0	0	9.0	0	207.0	0.084		0.23	0.75	0 %
___	11	N	Exterior	Frame - Wood	2nd Floor	13.0	12.0	10	8.0	0	102.7	0.084		0.23	0.75	0 %
___	12	E	Exterior	Frame - Wood	2nd Floor	13.0	45.0	0	8.0	0	360.0	0.084		0.23	0.75	0 %
___	13	N	Exterior	Frame - Wood	2nd Floor	13.0	32.0	2	8.0	0	257.3	0.084		0.23	0.75	0 %
___	14	S	Exterior	Frame - Wood	2nd Floor	13.0	22.0	0	8.0	0	176.0	0.084		0.23	0.75	0 %
___	15	W	Exterior	Frame - Wood	2nd Floor	13.0	19.0	4	8.0	0	154.7	0.084		0.23	0.75	0 %
___	16	S	Exterior	Frame - Wood	2nd Floor	13.0	23.0	0	8.0	0	184.0	0.084		0.23	0.75	0 %

DOORS (Total Exposed Area = 80 sq.ft.)

√	#	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
___	1	N	Exterior	Insulated	Main	None	0.35	6.00	0	6.00	8	40.0ft²
___	2	N	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²
___	3	N	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²

INPUT SUMMARY CHECKLIST REPORT

WINDOWS (Total Exposed Area = 299 sq.ft.)

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Area	Overhang Depth	Overhang Separation	Interior Shade	Screening
___ 1	N	1	Vinyl	Low-E Double	Yes	0.35	0.25	N	N	8.0ft²	1.0 ft 4 in	8.0 ft 0 in	Drapes/blinds	None
___ 2	N	1	Vinyl	Low-E Double	Yes	0.35	0.25	N	N	30.0ft²	1.0 ft 4 in	8.0 ft 0 in	Drapes/blinds	None
___ 3	E	2	Vinyl	Low-E Double	Yes	0.35	0.25	N	N	30.0ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 4	E	4	Vinyl	Low-E Double	Yes	0.35	0.25	N	N	22.5ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 5	S	7	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	30.0ft²	1.0 ft 4 in	8.0 ft 0 in	Drapes/blinds	None
___ 6	W	8	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	60.0ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 7	N	11	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	32.0ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 8	N	13	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	32.0ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 9	N	13	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	16.0ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 10	S	14	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	32.0ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None
___ 11	S	14	Vinyl	Double (Tinted)	Yes	0.55	0.60	N	N	6.3ft²	1.0 ft 4 in	2.0 ft 0 in	Drapes/blinds	None

INFILTRATION

✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)
___ 1	Wholehouse	Proposed ACH(50)	0.00016	1141	62.65	117.83	0.0840	3.0	All

GARAGE

✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	440 ft²	440 ft²	64 ft	8 ft	1

MASS

✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	2nd Floor

HEATING SYSTEM

✓ #	System Type	Subtype	AHRI #	Efficiency	Capacity kBtu/hr	Geothermal HeatPump Entry	Power	Volt	Current	Ducts	Block
___ 1	Electric Heat Pump	None		HSPF: 8.20	48.9		0.00	0.00	0.00	sys#1	1

COOLING SYSTEM

✓ #	System Type	Subtype	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None		SEER:15	33.1	990	0.75	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

√	#	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___	1	Electric	None	Main	0.92 (0.92)	50.00 gal	60 gal	120 deg	Standard	None	89

		Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits
___	1	No	Demand control (manual)	NA	NA	NA	Yes	All	Yes	0.540	None

DUCTS

√	Duct #	Supply Location	Supply R-Value	Supply Area	Return Location	Return R-Value	Return Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
___	1	Main	6.0	480 ft²	Main	6.0	120 ft²	Proposed Qn	Main	---	---	0.04	0.60	1	1

MECHANICAL VENTILATION

√	Type	Supply CFM	Exhaust CFM	HRV	Fan	Run Time	Heating System	Cooling System
___	Fans/ERV	0.0	120.0	0.0	17.8 W	100 %	1 - Electric Heat Pump	1 - Central Unit

TEMPERATURES

Programable Thermostat: N Ceiling Fans: N

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

Thermostat Schedule: HERS 2006 Reference

√	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	78	78	78	78
		PM	78	78	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	68	68	68	68	68	68	68	68	68	68	68	68
		PM	68	68	68	68	68	68	68	68	68	68	68	68
___	Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
		PM	68	68	68	68	68	68	68	68	68	68	68	68

REFRIGERATORS

√	ID	Type	Screen	Location	Quantity	Vol	Frz. Vol	Make	Model	Schedule	kWhPerYr
___	1	Default Refrigerator	Default New	RoomsInBlock1		0	0	EStarRef	EStarRef	HERS2011	

CLOTHES WASHERS

√	ID	Type	Screen	Location	Capacity	Make	Model	Schedule	LoadsPerYr
___	1	Cl washer	Default Existing	RoomsInBlock1	2.87400007247925			HERS2011	328

INPUT SUMMARY CHECKLIST REPORT

CLOTHES DRYERS

√ID	Type	Screen	Location	Quantity	Fuel Type	Make	Model	Schedule	kWhPerYr
__ 1		Default Existing	RoomsInBlock1	4.5	Electricity			HERS2011	0

DISHWASHERS

√ID	Type	Screen	Location	Capacity	Vintage	Make	Model	Schedule	kWhPerYr
__ 1	Dishwasher 1 Mai	Default New	RoomsInBlock1	12	2004 or Newer	EStarRef	EStarRef	HERS2011	372

RANGE OVENS

√ID	Type	Screen	Location	Type	Fuel Type	Make	Model	Cooktop	Oven
__ 1	RangeOven	Default New	RoomsInBlock1	Combo	Elec			Electric flat	Not Convec

HARD WIRED LIGHTING

√ID	Type	Screen	Location	Total#	Quantity#	Comp Fl	All Other Fl	Bulb Type	Schedule	Watts per bulb
__ 1	Hard-Wired	By Count - Qualifying	Main	20	2				HERS2011	60
__ 2	Hard-Wired	By Count - Qualifying	Exterior	2	2				HERS2011	60

MISC ELECTRICAL LOADS

√ID	Type	Screen	Location	Item	Quantity	Catagory	Operating	Schedule	Off Standby
___ 1	Misc Elec Load	Simple Default	Main		1		1	HERS2011	1

Name(Print): _____ Signature: _____

Organization: _____ Date: _____

Residential System Sizing Calculation

Summary

Project Title:
Brantley Stevens 2 Story

Lake City, FL 32025

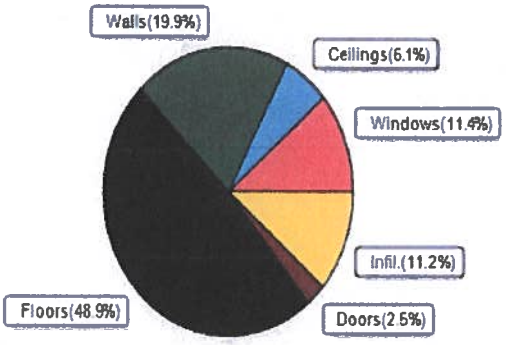
12/18/2019

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	**51182**	**Btuh**	**Total cooling load calculation**	**36149**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	95.5	48898	Sensible (SHR = 0.75)	82.4	24815
Heat Pump + Auxiliary(0.0kW)	95.5	48898	Latent	136.8	8272
			Total (Electric Heat Pump)	91.5	33087

WINTER CALCULATIONS

Winter Heating Load (for 2650 sqft)

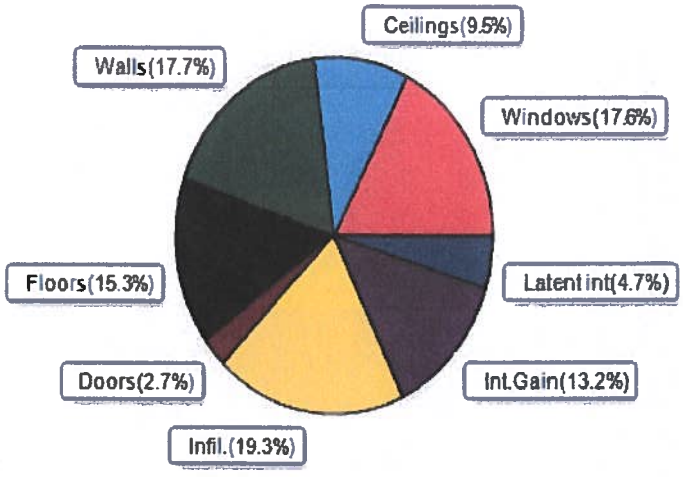
Load component			Load	
Window total	299	sqft	5849	Btuh
Wall total	2871	sqft	10192	Btuh
Door total	80	sqft	1296	Btuh
Ceiling total	2650	sqft	3111	Btuh
Floor total	See detail report		25021	Btuh
Infiltration	130	cfm	5713	Btuh
Duct loss			0	Btuh
Subtotal			**51182**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**51182**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2650 sqft)

Load component			Load	
Window total	299	sqft	6372	Btuh
Wall total	2871	sqft	6414	Btuh
Door total	80	sqft	972	Btuh
Ceiling total	2650	sqft	3422	Btuh
Floor total			5520	Btuh
Infiltration	126	cfm	2621	Btuh
Internal gain			4780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**30100**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4349	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1700	Btuh
Total latent gain			**6049**	**Btuh**
TOTAL HEAT GAIN			**36149**	**Btuh**



8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Brantley Stevens 2 Story
Building Type: User

Lake City, FL 32025

12/18/2019

	Envelope Subtotal:	45469 Btuh
Infiltration	Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural(Adjusted for ventilation) 0.13 22825 1.00 130.5	5713 Btuh
Duct load	Extremely sealed, R6.0, Supply(Con), Return(Con) (DLM of 0.000)	0 Btuh
All Zones	**Sensible Subtotal All Zones**	**51182 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	51182 Btuh 0 Btuh 51182 Btuh

EQUIPMENT

1. Electric Heat Pump	#	48898 Btuh

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

Version 8

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Brantley Stevens 2 Story
Building Type: User

Lake City, FL 32025

12/18/2019

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

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.25	Vinyl	0.35	N	8.0	14.0	112 Btuh
2	2, NFRC 0.25	Vinyl	0.35	N	30.0	14.0	420 Btuh
3	2, NFRC 0.25	Vinyl	0.35	E	30.0	14.0	420 Btuh
4	2, NFRC 0.25	Vinyl	0.35	E	22.5	14.0	315 Btuh
5	2, NFRC 0.60	Vinyl	0.55	S	30.0	22.0	660 Btuh
6	2, NFRC 0.60	Vinyl	0.55	W	60.0	22.0	1320 Btuh
7	2, NFRC 0.60	Vinyl	0.55	N	32.0	22.0	704 Btuh
8	2, NFRC 0.60	Vinyl	0.55	N	32.0	22.0	704 Btuh
9	2, NFRC 0.60	Vinyl	0.55	N	16.0	22.0	352 Btuh
10	2, NFRC 0.60	Vinyl	0.55	S	32.0	22.0	704 Btuh
11	2, NFRC 0.60	Vinyl	0.55	S	6.3	22.0	138 Btuh
	Window Total				298.8(sqft)		5849 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	640	3.55	2273 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	96	3.55	341 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	18	3.55	64 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	122	3.55	431 Btuh
5	Frame - Wood	- Adj	(0.089)	13.0/0.0	144	3.55	511 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	95	3.55	337 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	240	3.55	852 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	118	3.55	419 Btuh
9	Frame - Wood	- Ext	(0.089)	13.0/0.0	95	3.55	336 Btuh
10	Frame - Wood	- Ext	(0.089)	13.0/0.0	187	3.55	664 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	71	3.55	251 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	360	3.55	1278 Btuh
13	Frame - Wood	- Ext	(0.089)	13.0/0.0	209	3.55	743 Btuh
14	Frame - Wood	- Ext	(0.089)	13.0/0.0	138	3.55	489 Btuh
15	Frame - Wood	- Ext	(0.089)	13.0/0.0	155	3.55	549 Btuh
16	Frame - Wood	- Ext	(0.089)	13.0/0.0	184	3.55	653 Btuh
	Wall Total				2871(sqft)		10192 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.350)	40	14.0	560 Btuh
2	Insulated - Exterior,	n	(0.460)	20	18.4	368 Btuh
3	Insulated - Exterior,	n	(0.460)	20	18.4	368 Btuh
	Door Total			80(sqft)		1296Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing	(0.032)	30.0/0.0	1625	1.3	2070 Btuh
2	Knee Wall/L/Shing	(0.025)	38.0/0.0	1025	1.0	1041 Btuh
	Ceiling Total			2650(sqft)		3111Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	196.0 ft(perim.)	47.2	9251 Btuh
2	Raised - Open	(0.385)	0.0	1025.0 sqft	15.4	15770 Btuh
	Floor Total			2648 sqft		25021 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Brantley Stevens 2 Story

Lake City, FL 32025

12/18/2019

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**30100 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**30100 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**30100 Btuh**
Totals for Cooling	Latent infiltration gain (for 51 gr. humidity difference)	4349 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	500 Btuh
	Latent total gain	**6049 Btuh**
	TOTAL GAIN	**36149 Btuh**

EQUIPMENT

1. Central Unit	#	33087 Btuh

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

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Brantley Stevens 2 Story

Lake City, FL 32025

12/18/2019

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

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.25, 0.35	B-L	No	N		1.3ft	8.0ft	8.0	0.0	8.0	9	9	73 Btuh
2	2 NFRC	0.25, 0.35	B-L	No	N		1.3ft	8.0ft	30.0	0.0	30.0	9	9	273 Btuh
3	2 NFRC	0.25, 0.35	B-L	No	E		1.3ft	2.0ft	30.0	0.0	30.0	9	22	672 Btuh
4	2 NFRC	0.25, 0.35	B-L	No	E		1.3ft	2.0ft	22.5	0.0	22.5	9	22	504 Btuh
5	2 NFRC	0.60, 0.55	B-L	No	S		1.3ft	8.0ft	30.0	0.0	30.0	15	19	561 Btuh
6	2 NFRC	0.60, 0.55	B-L	No	W		1.3ft	2.0ft	60.0	0.0	60.0	15	41	2481 Btuh
7	2 NFRC	0.60, 0.55	B-L	No	N		1.3ft	2.0ft	32.0	0.0	32.0	15	15	489 Btuh
8	2 NFRC	0.60, 0.55	B-L	No	N		1.3ft	2.0ft	32.0	0.0	32.0	15	15	489 Btuh
9	2 NFRC	0.60, 0.55	B-L	No	N		1.3ft	2.0ft	16.0	0.0	16.0	15	15	245 Btuh
10	2 NFRC	0.60, 0.55	B-L	No	S		1.3ft	2.0ft	32.0	32.0	0.0	15	19	489 Btuh
11	2 NFRC	0.60, 0.55	B-L	No	S		1.3ft	2.0ft	6.3	6.3	0.0	15	19	96 Btuh
	Window Total								299 (sqft)					6372 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	640.3	2.3	1449 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	96.0	2.3	217 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.0	18.0	2.3	41 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	121.5	2.3	275 Btuh
5	Frame - Wood - Adj	0.09	13.0/0.0	144.0	1.7	243 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.0	95.0	2.3	215 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.0	240.0	2.3	543 Btuh
8	Frame - Wood - Ext	0.09	13.0/0.0	118.0	2.3	267 Btuh
9	Frame - Wood - Ext	0.09	13.0/0.0	94.5	2.3	214 Btuh
10	Frame - Wood - Ext	0.09	13.0/0.0	187.0	2.3	423 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.0	70.7	2.3	160 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.0	360.0	2.3	815 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.0	209.3	2.3	474 Btuh
14	Frame - Wood - Ext	0.09	13.0/0.0	137.8	2.3	312 Btuh
15	Frame - Wood - Ext	0.09	13.0/0.0	154.7	2.3	350 Btuh
16	Frame - Wood - Ext	0.09	13.0/0.0	184.0	2.3	416 Btuh
	Wall Total			2871 (sqft)		6414 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	40.0	10.5	420 Btuh
2	Insulated - Exterior	20.0	13.8	276 Btuh
3	Insulated - Exterior	20.0	13.8	276 Btuh
	Door Total	80 (sqft)		972 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	0.032	30.0/0.0	1625.0	1.40	2277 Btuh
2	Knee Wall/Light/Shingle	0.025	38.0/0.0	1025.0	1.12	1145 Btuh
	Ceiling Total			2650 (sqft)		3422 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1623 (ft-perimeter)	0.0	0 Btuh
2	Raised - Open	0.0	1025 (sqft)	5.4	5520 Btuh
	Floor Total		2648.0 (sqft)		5520 Btuh
			Envelope Subtotal:		22699 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Brantley Stevens 2 Story

Lake City, FL 32025

12/18/2019

Infiltration	Type		Average ACH		Volume(cuft)		Wall Ratio		CFM=	Load
	Natural(Adjusted for ventilation)		0.33		22825		1		126.0	2621 Btuh
Internal gain		Occupants		Btuh/occupant				Appliance		Load
		6	X	230	+			3400		4780 Btuh
							Sensible Envelope Load:			30100 Btuh
Duct load	Extremely sealed, Supply(R6.0-Condi), Return(R6.0-Condi)						(DGM of 0.000)			0 Btuh
							Sensible Load All Zones			**30100 Btuh**

FORM R405-2014

Florida Department of Business and Professional Regulations
Residential Whole Building Performance and Prescriptive Methods

ADDRESS: Lake City , FL , 32025

Permit Number:

MANDATORY REQUIREMENTS See individual code sections for full details.

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

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.1 through R402.4.4.

- ○ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.
  - ▪ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table 402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.
  - ▪ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour in Climate Zones 1 and 2, and 3 air changes per hour in Climate Zones 3 through 8. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.
    During testing:
    1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures;
    2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures;
    3. Interior doors, if installed at the time of the test, shall be open;
    4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed;
    5. Heating and cooling systems, if installed at the time of the test, shall be turned off; and
    6. Supply and return registers, if installed at the time of the test, shall be fully open.
- ○ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers and outdoor combustion air.
- ○ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

  Exception: Site-built windows, skylights and doors.
- ○ **R402.4.4 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E 283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

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

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

☐ **R403.2.2 Sealing (Mandatory)** All ducts, air handlers, and filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts and plenum chambers, shall be constructed and sealed in accordance with Section C403.2.7.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria by post-construction or rough-in testing below.
Duct tightness shall be verified by testing to Section 803 of the RESNET Standards by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i), Florida Statutes, to be "substantially leak free" by either of the following:

1. Post-construction test: Total leakage shall be less than or equal to 4 cfm (113 L/min) per 100 square feet (9.29 m2) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.
2. Rough-in test: Total leakage shall be less than or equal to 4 cfm (113 L/min) per 100 square feet (9.29 m2) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 3 cfm (85 L/min) per 100 square feet (9.29 m2) of conditioned floor area.

Exceptions:

1. The total leakage test is not required for ducts and air handlers located entirely within the building envelope.
2. Duct testing is not mandatory for buildings complying by Section R405 of this code.

FORM R405-2014

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.2.3 Building Cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

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

R403.3.1 Protection of piping insulation.

☐ **R403.4.1 Circulating hot water systems (Mandatory).** Circulating hot water systems shall be provided with an automatic or readily accessible manual switch that can turn off the hot-water circulating pump when the system is not in use.

☐ **R403.4.3 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

☐ **R403.4.4 Water heater efficiencies (Mandatory).**

- ○ **R403.4.4.1 Storage water heater temperature controls**
  - **R403.4.4.1.1 Automatic controls.** Service water heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).
  - **R403.4.4.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water heating systems to be turned off.
- ○ **R403.4.4.2 Water heating equipment.** Water heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water heating category. Solar water heaters shall met the criteria Section R403.4.4.2.1.
  - **R403.4.4.2.1 Solar water heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol, Collectors in installed solar water heating systems should meet the following criteria:
    1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
    2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.5 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6 Heating and cooling equipment (Mandatory).** The following sections are mandatory for cooling and heating equipment.

- ○ **R403.6.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This code does not allow designer safety factors, provisions for future expansion or other factors which affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems.
  - **R403.6.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load, but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.6, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

FORM R405-2014

MANDATORY REQUIREMENTS - (Continued)

O **R403.6.1.1 Cooling equipment capacity. (continued)** The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacture's expanded performance data shall be used to select cooling-only equipment. This selection shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower cfm provided by the expanded performance data, the design value for entering wet bulb temperature and the design value for entering dry bulb temperature.

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

Exceptions:

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

O **R403.6.1.2 Heating equipment capacity**

- **R403.6.1.2.1 Heat pumps.** Heat pumps sizing shall be based on the cooling requirements as calculated according to Section R403.6.1.1 and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load.
- **R403.6.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.6.1.
- **R403.6.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.6.1.

O **R403.6.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

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

☐ **R403.7 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the Commercial Provisions in lieu of Section R403.

☐ **R403.8 Snow melt system controls (Mandatory).** Snow and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 55°F, and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F.

☐ **R403.9 Swimming pools, inground spas and portable spas (Mandatory).** The energy requirements for residential pools and inground spas shall be as specified in Sections R403.9.1 through R403.9.3 and in accordance with ANSI/APSP-15. The energy requirements for portable spas shall be in accordance with ANSI/APSP-14.

O **R403.9.1 Pool and spa heaters.** All pool heaters shall be equipped with a readily accessible on-off switch that is mounted outside the heater to allow shutting off the heater without adjusting the thermostat setting.

- **R403.9.1.1 Gas and oil-fired pool and spa heaters.** All gas- and oil-fired pool and space heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013 when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural gas or LP gas shall not have continuously burning pilot lights.
- **R403.9.1.2 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

O **R403.9.2 Time switches.** Time switches or other control method that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on all heaters and pumps. Heaters, pumps and motors that have built in timers shall be deemed in compliance with this equipment.

Exceptions:

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

O **R403.9.3 Covers.** Heated swimming pools and inground permanently installed spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

- **Exception:** Outdoor pools deriving over 70 percent of the energy for heating from site-recovered energy, such as a heat pump or solar energy source computed over an operating season.

☐ **RR404.1 Lighting equipment (Mandatory).** A minimum of 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of 75 percent of permanently installed lighting fixtures shall contain only high efficacy lamps.

Exception: Low-voltage lighting shall not be required to utilize high-efficacy lamps.

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

☐ **R405.2 Performance ONLY.** All ducts not entirely inside the building thermal envelope shall be insulated to a minimum of R-6.

O **R405.2.1 Performance ONLY.** Ceilings shall have minimum insulation of R-19. Where single assemby of the exposed deck and beam type concrete deck roofs do not have sufficent space, R-10 is allowed

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

2014 Envelope Leakage Test Report
Prescriptive and Performance Method

Project Name:	Brantley Stevens 2 Story	Builder Name:	
Street:		Permit Office:	Columbia
City, State, Zip:	Lake City , FL , 32025	Permit Number:	
Design Location:	FL, Gainesville	Jurisdiction:	
Cond. Floor Area::	2650 sq.ft.	Cond. Volume:	22825 cu ft.

Envelope Leakage Test Results

Regression Data:

C: _____ n: _____ R: _____

Single or Multi Point Test Data

	HOUSE PRESSURE	FLOW:
1	Pa	cfm
2	Pa	cfm
3	Pa	cfm
4	Pa	cfm
5	Pa	cfm
6	Pa	cfm

Leakage Characteristics

CFM(50): _____

ELA: _____

EqLA: _____

ACH: _____

SLA: _____

ACH(50) * : _____

* For prescriptive projects, tested leakage must be <= 7 ACH(50). For performance projects, tested leakage must be <= the ACH(50) shown on Form R405-2014 for this project.

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

During testing:

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

I hereby certify that the above envelope leakage performance results demonstrate compliance with Florida Energy Code requirements in accordance with Section R402.4.1.2.

SIGNATURE: _____

PRINTED NAME: _____

DATE: _____

Where required by the code official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the third party conducting the test and provided to the code official.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM R405-2017

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

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

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

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

Required prior to CO for the Performance Method:

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

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

RE: Brantely_Stevens - Stevens Brantley

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

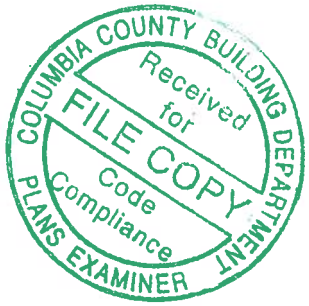
Site Information:
Customer Info: Brantely Stevens Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

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: 55.0 psf

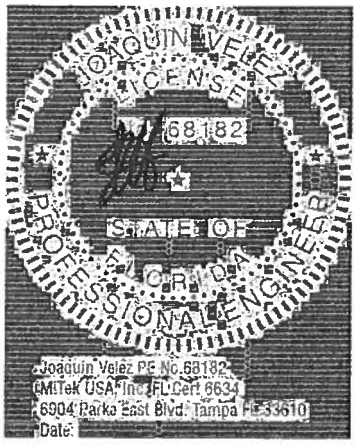
This package includes 57 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T18919907	CJ01	12/17/19	23	T18919929	J04	12/17/19
2	T18919908	F01	12/17/19	24	T18919930	M01	12/17/19
3	T18919909	F02	12/17/19	25	T18919931	M02	12/17/19
4	T18919910	F03	12/17/19	26	T18919932	MG01	12/17/19
5	T18919911	F04	12/17/19	27	T18919933	MG02	12/17/19
6	T18919912	F05	12/17/19	28	T18919934	PB01GE	12/17/19
7	T18919913	F06	12/17/19	29	T18919935	PB02	12/17/19
8	T18919914	F07	12/17/19	30	T18919936	PB03	12/17/19
9	T18919915	F08	12/17/19	31	T18919937	PB04	12/17/19
10	T18919916	F09	12/17/19	32	T18919938	PB05	12/17/19
11	T18919917	F10	12/17/19	33	T18919939	PB06	12/17/19
12	T18919918	F11	12/17/19	34	T18919940	T01	12/17/19
13	T18919919	F12	12/17/19	35	T18919941	T01GE	12/17/19
14	T18919920	F13	12/17/19	36	T18919942	T01SGE	12/17/19
15	T18919921	F14	12/17/19	37	T18919943	T02	12/17/19
16	T18919922	F15	12/17/19	38	T18919944	T02GE	12/17/19
17	T18919923	G01	12/17/19	39	T18919945	T02SGE	12/17/19
18	T18919924	G02	12/17/19	40	T18919946	T03	12/17/19
19	T18919925	H01	12/17/19	41	T18919947	T03GE	12/17/19
20	T18919926	J01	12/17/19	42	T18919948	T04	12/17/19
21	T18919927	J02	12/17/19	43	T18919949	T04GE	12/17/19
22	T18919928	J03	12/17/19	44	T18919950	T05	12/17/19



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: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2021.



December 17,2019

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.

RE: Brantely_Stevens - Stevens Brantley

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

Site Information:

Customer Info: Brantely Stevens Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: Fl

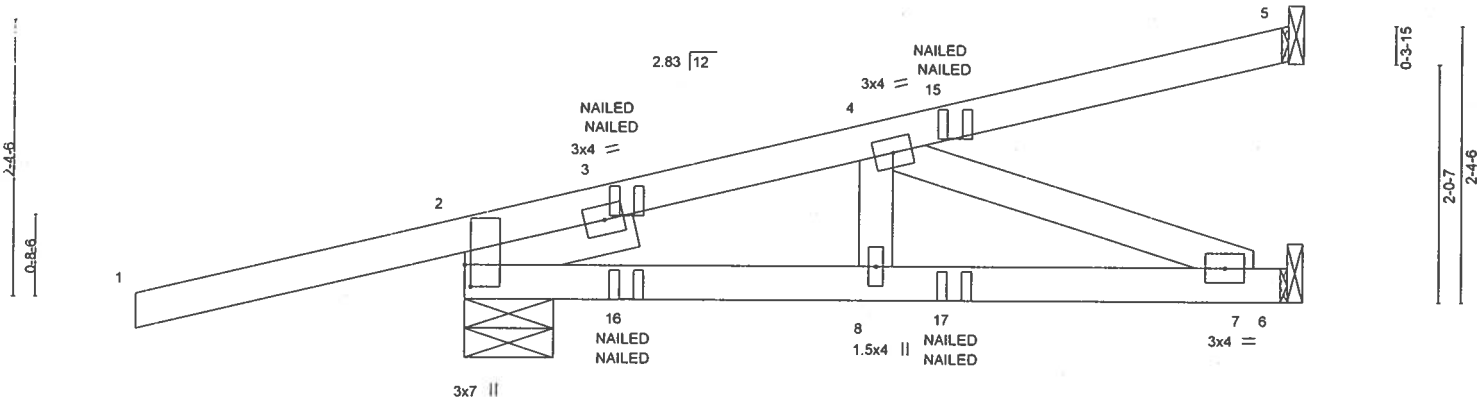
No.	Seal#	Truss Name	Date
45	T18919951	T05GE	12/17/19
46	T18919952	T06	12/17/19
47	T18919953	T07	12/17/19
48	T18919954	T08	12/17/19
49	T18919955	T09	12/17/19
50	T18919956	T10	12/17/19
51	T18919957	T11	12/17/19
52	T18919958	T12	12/17/19
53	T18919959	T13	12/17/19
54	T18919960	T14	12/17/19
55	T18919961	T15	12/17/19
56	T18919962	T16	12/17/19
57	T18919963	T17	12/17/19

	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantley_Stevens	CJ01	DIAGONAL HIP GIRDER	1	1	Job Reference (optional)	T18919907

Mayo Truss Company, Inc., Mayo, FL - 32068, 8.240 s Dec 6.2019 MiTek Industries, Inc. Mon Dec 16 15:17:34 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-LGfqKaeG_Ala?ICOXqA5_fwYPILu0kYmT7Dk0wy8LuF

-2-9-15 / 2-9-15 | 3-6-7 / 3-6-7 | 7-0-14 / 3-6-7

Scale = 1:19.0



3-6-7 / 3-6-7 | 7-0-14 / 3-6-7

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

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	0.72	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.03	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 34 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

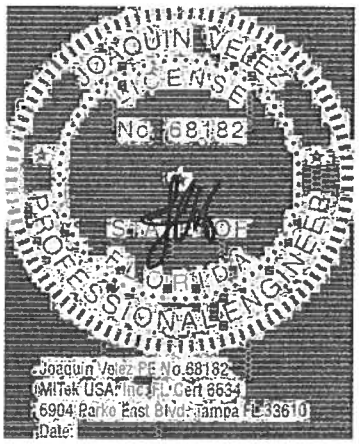
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 5=108/Mechanical, 2=350/0-9-2, 6=84/Mechanical
Max Horz 2=64(LC 24)
Max Uplift 5=-23(LC 8), 2=-219(LC 8), 6=-50(LC 5)
Max Grav 5=115(LC 17), 2=371(LC 28), 6=118(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-205/516

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6 except (jt=lb) 2=219.
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: 1-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 3=117(F=59, B=59) 16=71(F=36, B=36) 17=1(F=1, B=1)



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919908
Brantely_Stevens	F01	GABLE	1	1	Job Reference (optional)	

Mayo Truss Company; Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:35 2019 Page 1
ID:3N3S21Ew5qmPmq!MRVbRxSyC0ec-pTsCJweulTQRd3nb4XhKWsTt6imqlB2vinzHYNy8LuE

0-1-8

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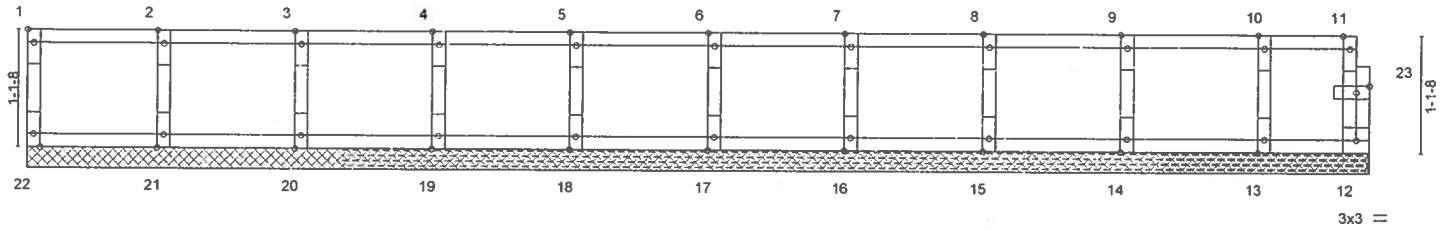


1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-0-0
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-0-0

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [23:0-1-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 54 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)

BRACING-

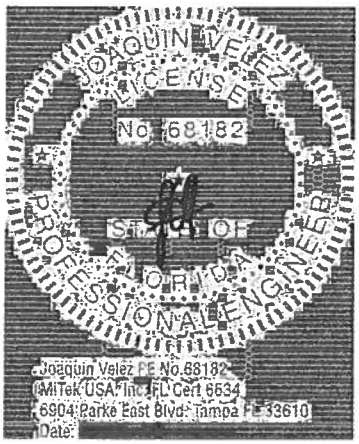
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-

1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919909
Brantley_Stevens	F02	Floor	11	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:36 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-HfQaIGfXWnZIEcMneFCZ34?_u6?eUdk2xRir5py8LuD

1-3-0 | 1-8-12 | 0-6-4

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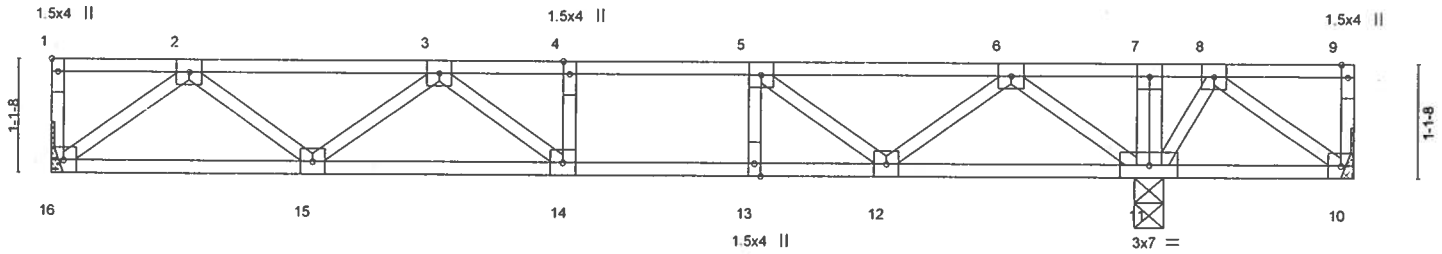


	2-7-8	8-4-4	10-11-12	11-1-4	13-0-0
	2-7-8	5-8-12	2-7-8	0-1-8	1-10-12

Plate Offsets (X,Y)-- [1:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.06	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.09	14-15	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 66 lb	FT = 0%F, 0%E

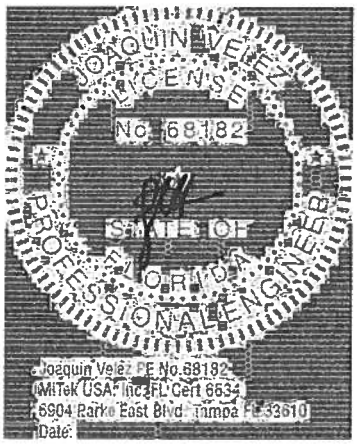
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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

REACTIONS. (lb/size) 16=362/Mechanical, 10=-134/Mechanical, 11=716/0-3-8
Max Uplift 10=-185(LC 3)
Max Grav 16=362(LC 3), 10=17(LC 4), 11=716(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-674/0, 3-4=-836/0, 4-5=-836/0, 5-6=-463/0, 6-7=0/467, 7-8=0/466
BOT CHORD 15-16=0/438, 14-15=0/867, 13-14=0/836, 12-13=0/836, 10-11=-274/0
WEBS 2-16=-550/0, 6-11=-649/0, 2-15=0/303, 6-12=0/421, 5-12=-470/0, 8-10=0/344, 8-11=-347/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 10.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



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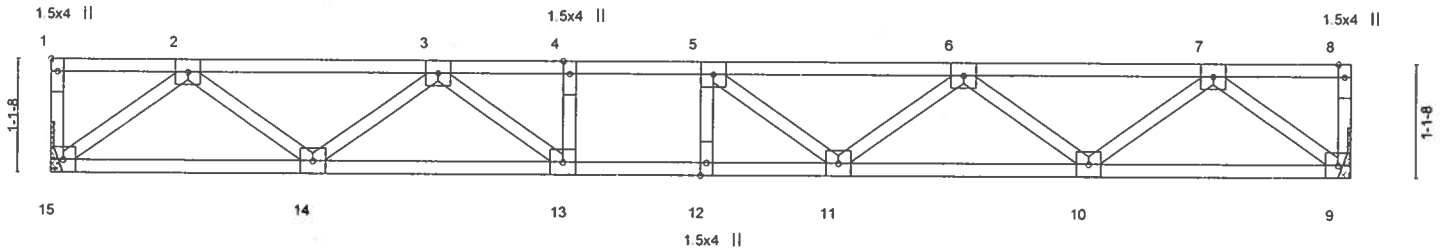
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T16913910
Brantely_Stevens	F03	Floor	3	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:37 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-lr_zycg9H5h9smxzCyjocHYARWJKD3jCA5SOdFy8LuC

1-3-0 1-3-0

Scale = 1:22.0



2-7-8 7-10-8 10-4-8 13-0-0
2-7-8 5-3-0 2-6-0 2-7-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.08	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.11	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 64 lb	FT = 0%F, 0%E

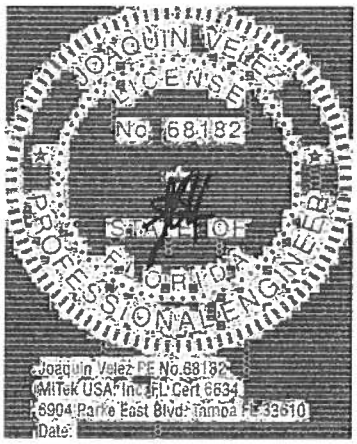
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 9=472/Mechanical, 15=472/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-939/0, 3-4=-1495/0, 4-5=-1495/0, 5-6=-1422/0, 6-7=-949/0
BOT CHORD 14-15=0/578, 13-14=0/1289, 12-13=0/1495, 11-12=0/1495, 10-11=0/1305, 9-10=0/574
WEBS 7-9=-721/0, 2-15=-727/0, 7-10=0/481, 2-14=0/462, 6-10=-455/0, 3-14=-449/0, 3-13=0/364

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x3 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	F04	Floor	3	1	Job Reference (optional)	T18919911

Mayo Truss Company, Inc., Mayo, FL - 32066 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:37 2019 Page 1
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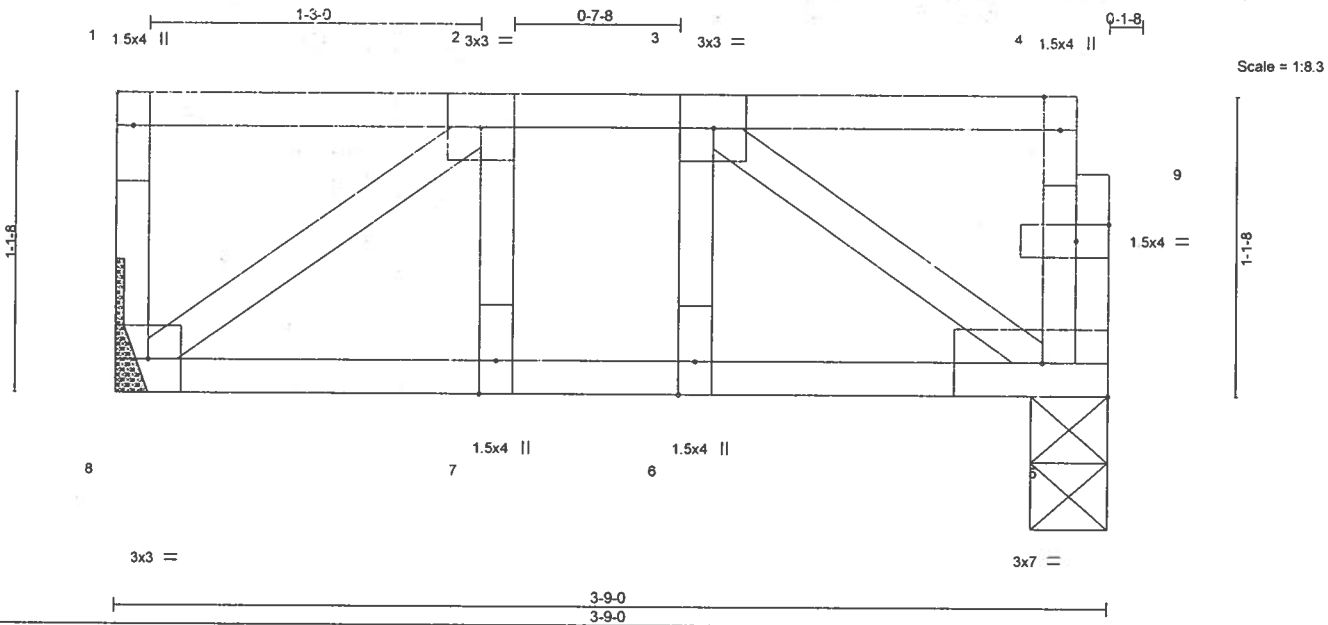


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [9:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 22 lb	FT = 0%F, 0%E

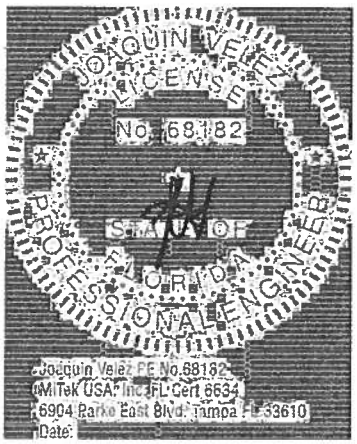
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=126/0-3-8, 8=131/Mechanical

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

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919912
Brantely_Stevens	F05	Floor	7	1	Job Reference (optional)	

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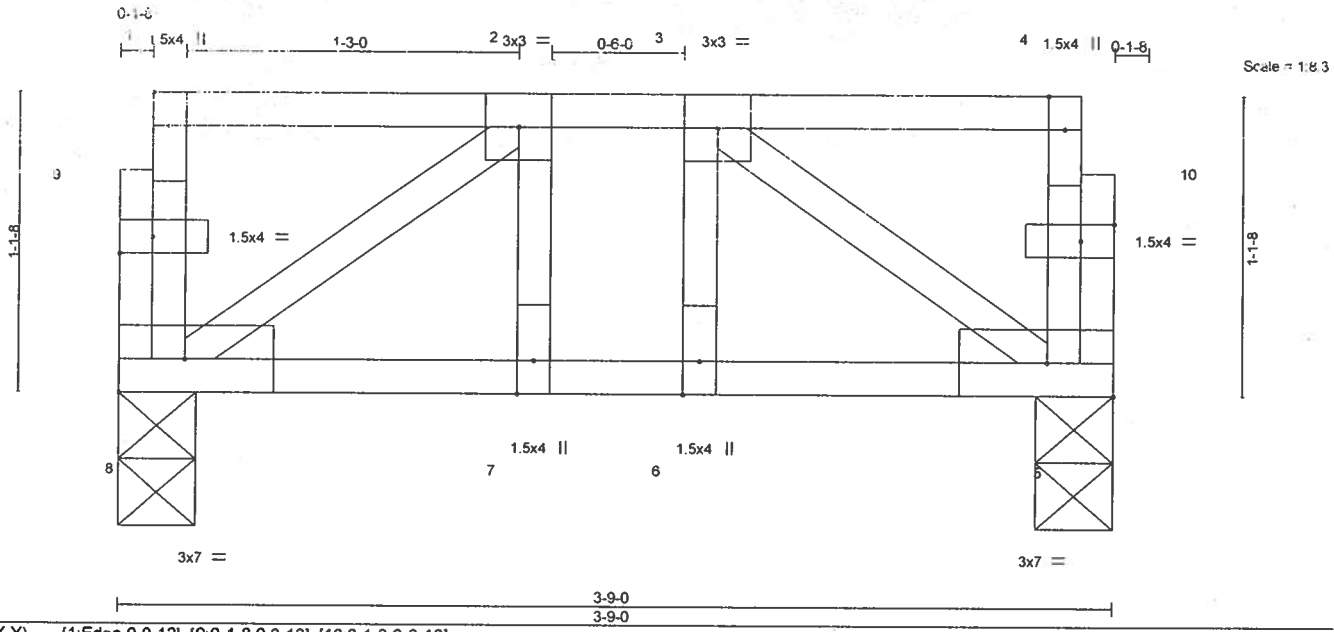


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [9:0-1-8,0-0-12], [10:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.00	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 23 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

BRACING-

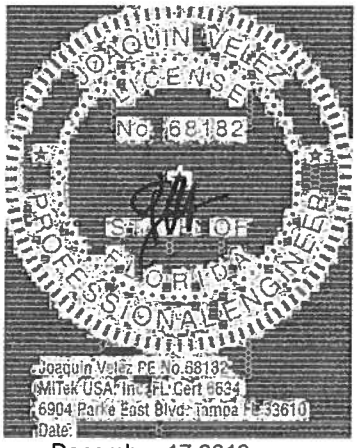
TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=124/0-3-8, 5=124/0-3-8

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

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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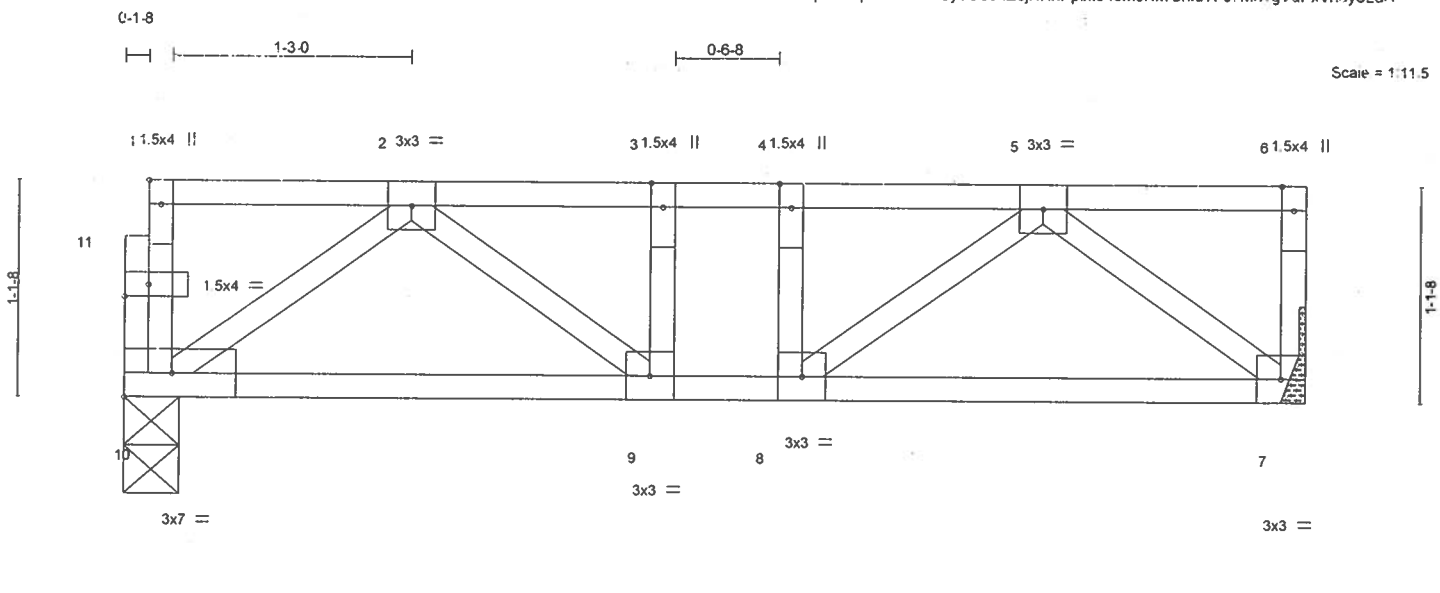
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919913
Brantley_Stevens	F06	Floor	3	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:39 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-iE6jNHhPpixt545MJNmGhidYFJ7Mh?gVdPxVh8y8LuA



6-2-0
6-2-0

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [11:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.07	Vert(LL)	-0.01	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.01	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 33 lb	FT = 0%F, 0%E

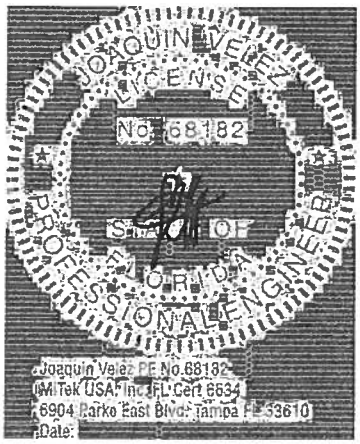
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 10=215/0-3-8, 7=219/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-331/0, 3-4=-331/0, 4-5=-331/0
BOT CHORD 8-9=0/331
WEBS 5-7=-292/0, 2-10=-293/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.



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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantley_Stevens	F07	Floor Girder	1	2	T18919914

Job Reference (optional)

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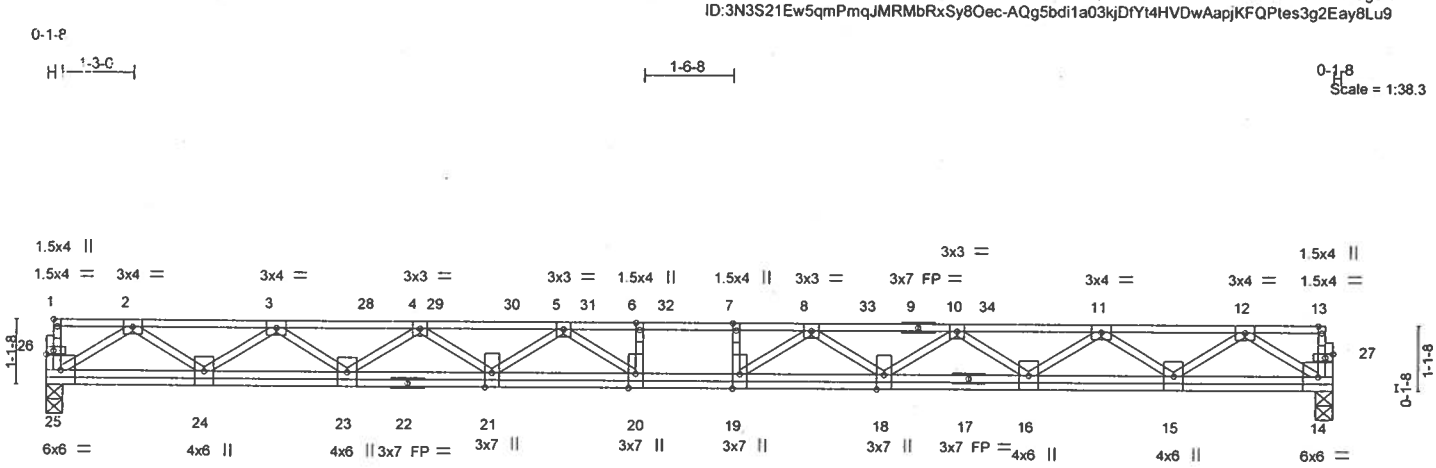


2-9-0	5-3-0	7-9-0	14-6-8	17-0-8	19-6-8	22-3-8
2-9-0	2-6-0	2-6-0	6-9-8	2-6-0	2-6-0	2-9-0

Plate Offsets (X,Y)— [1:Edge,0-0-12], [26:0-1-8,0-0-12], [27:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.45	19-20	>584	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.56	19-20	>467	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.24	Horz(CT)	0.03	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 280 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 25=1272/0-3-8, 14=1277/0-3-8

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

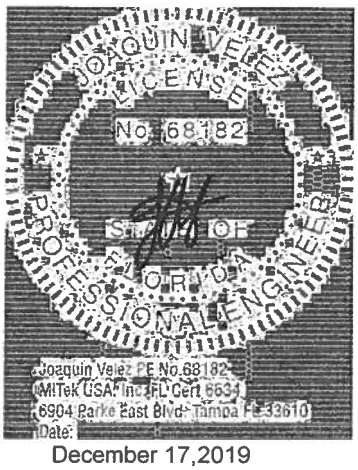
TOP CHORD 2-3=-3167/0, 3-4=-5729/0, 4-5=-7408/0, 5-6=-8245/0, 6-7=-8245/0, 7-8=-8245/0, 8-10=-7502/0, 10-11=-5778/0, 11-12=-3178/0
BOT CHORD 24-25=0/1829, 23-24=0/4604, 21-23=0/6837, 20-21=0/7967, 19-20=0/8245, 18-19=0/8048, 16-18=0/6929, 15-16=0/4614, 14-15=0/1841
WEBS 12-14=-2162/0, 2-25=-2147/0, 12-15=0/1675, 2-24=0/1676, 11-15=-1795/0, 3-24=-1796/0, 11-16=-30/1455, 3-23=-5/1406, 10-16=-1439/41, 4-23=-1386/26, 10-18=-174/736, 4-21=-137/714, 8-18=-746/251, 5-21=-746/227, 8-19=-144/400, 5-20=-215/517

NOTES-

1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 220 lb down at 5-7-8, 106 lb down and 95 lb up at 6-9-12, 106 lb down and 95 lb up at 8-1-12, 106 lb down and 95 lb up at 9-5-12, 75 lb down and 95 lb up at 10-9-12, 93 lb down and 95 lb up at 12-1-12, 106 lb down and 95 lb up at 13-5-12, 106 lb down and 95 lb up at 14-3-12, and 106 lb down and 95 lb up at 15-2-4, and 231 lb down at 16-4-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 14-25=-7, 1-13=-67
   Concentrated Loads (lb)
   Vert: 9=-70(B) 8=-70(B) 7=-70(B) 28=-184(B) 29=-70(B) 30=-70(B) 31=-70(B) 32=-70(B) 33=-70(B) 34=-195(B)



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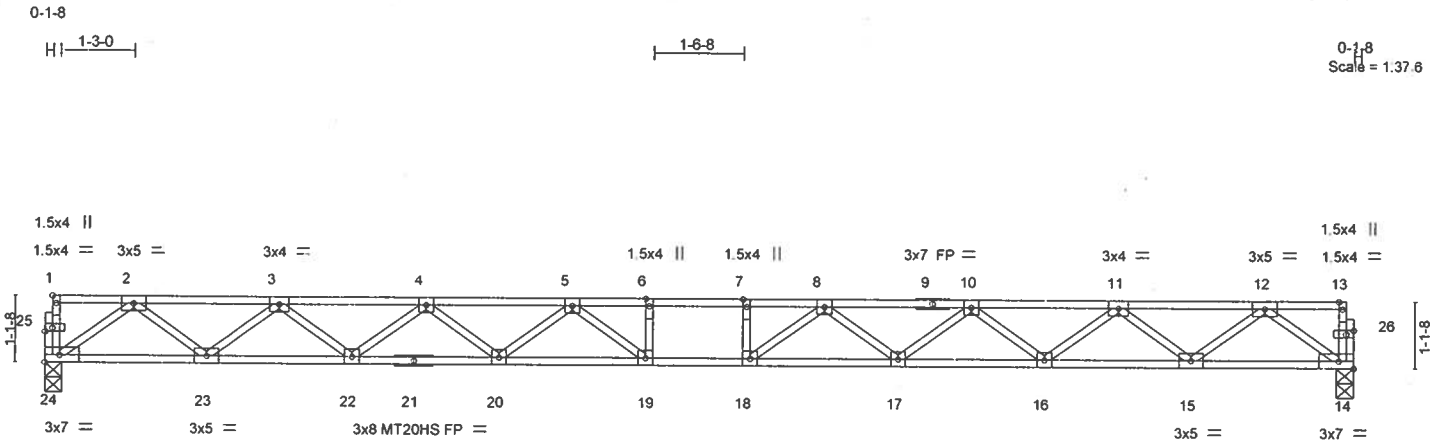
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	F06	Floor	11	1	T18919919
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:40 2019 Page 1

ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-AQg5bdi1aC3kjDfYt4HVDwAbejHCQO9es3g2Eay8Lu9



2-9-0	5-3-0	7-9-0	14-6-8	17-0-8	19-6-8	22-3-8
2-9-0	2-6-0	2-6-0	6-9-8	2-6-0	2-6-0	2-9-0

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [25:0-1-8,0-0-12], [26:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.52	18-19	>509	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.71	18-19	>370	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.09	14	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 110 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.2(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

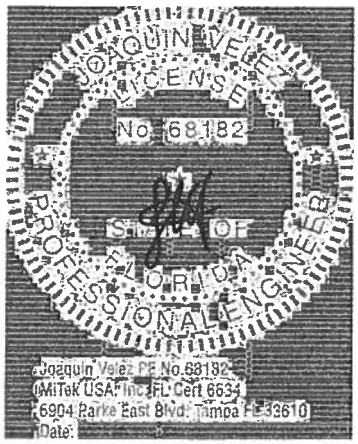
REACTIONS. (lb/size) 24=804/0-3-8, 14=804/0-3-8

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

TOP CHORD 2-3=-1842/0, 3-4=-3149/0, 4-5=-3992/0, 5-6=-4417/0, 6-7=-4417/0, 7-8=-4417/0, 8-10=-3992/0, 10-11=-3149/0, 11-12=-1842/0
BOT CHORD 23-24=0/1059, 22-23=0/2602, 20-22=0/3677, 19-20=0/4285, 18-19=0/4417, 17-18=0/4285, 16-17=0/3677, 15-16=0/2602, 14-15=0/1059
WEBS 12-14=-1308/0, 2-24=-1308/0, 12-15=0/1003, 2-23=0/1003, 11-15=-973/0, 3-23=-973/0, 11-16=0/701, 3-22=0/701, 10-16=-676/0, 4-22=-676/0, 10-17=0/403, 4-20=0/403, 8-17=-389/0, 5-20=-389/0, 8-18=-165/465, 5-19=-165/465

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x3 MT20 unless otherwise indicated.
4) Required 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



December 17,2019

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	F09	Floor Girder	1	2	T18319916
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:41 2019 Page 1
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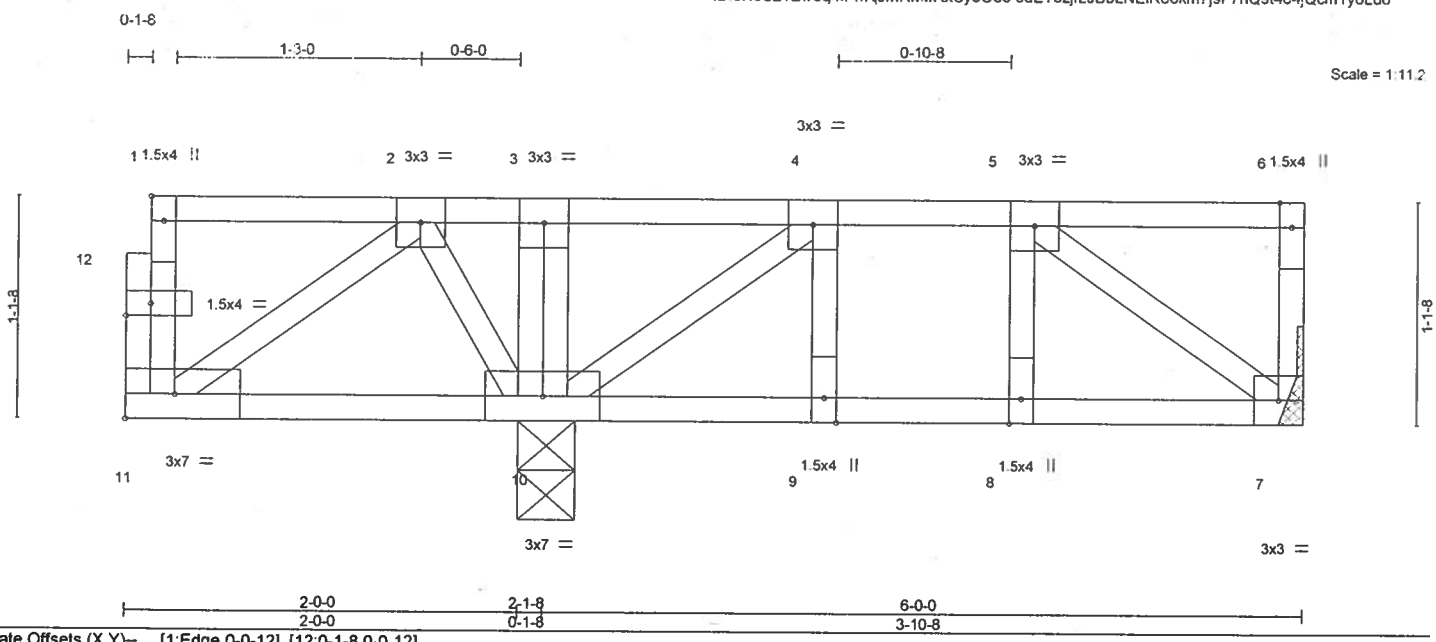


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [12:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.01	8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 70 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

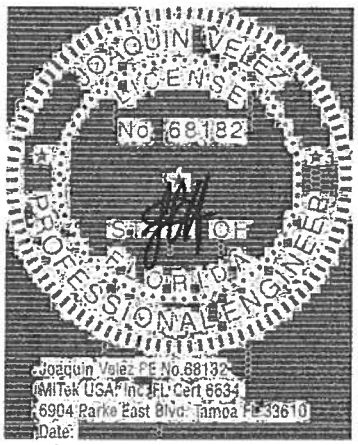
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

REACTIONS. (lb/size) 10=6109/0-3-8, 7=159/Mechanical
Max Grav 10=6109(LC 1), 7=239(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/444, 3-4=0/541, 4-5=-264/0
BOT CHORD 9-10=0/264, 8-9=0/264, 7-8=0/264
WEBS 3-10=-5302/0, 2-10=-493/0, 5-7=-327/0, 4-10=-765/0

NOTES-
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 190 lb down at 3-5-12, and 190 lb down at 4-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-7, 1-3=-163, 3-6=-67
Concentrated Loads (lb)
Vert: 1=-50 3=-5300 5=-155(B) 4=-155(B)



December 17,2019

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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 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	F10	Floor Girder	1	2	T18919917
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:42 2019 Page 1
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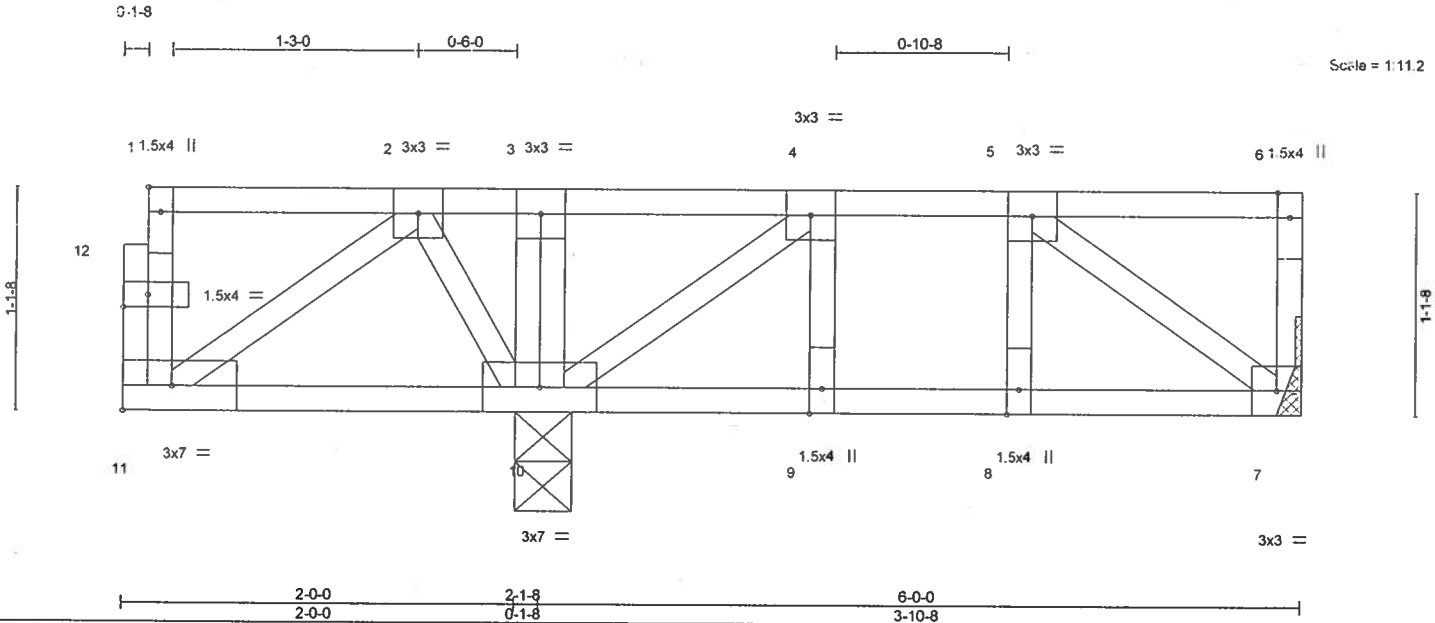


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [12:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	-0.01	8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 70 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

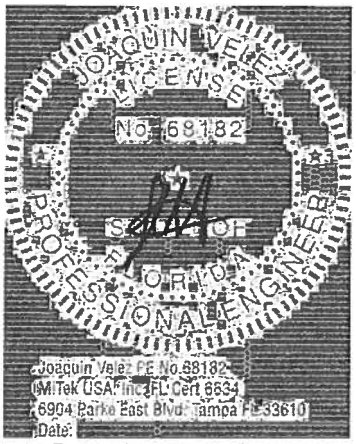
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.

REACTIONS. (lb/size) 10=6099/0-3-8, 7=148/Mechanical
Max Grav 10=6099(LC 1), 7=229(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/445, 3-4=0/541
WEBS 3-10=-5301/0, 2-10=-494/0, 5-7=-308/0, 4-10=-747/0

NOTES-
1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
2) Unbalanced floor live loads have been considered for this design.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 180 lb down at 3-5-12, and 180 lb down at 4-9-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-7, 1-3=-163(F=-96), 3-6=-67
Concentrated Loads (lb)
Vert: 1=-50 3=-5300 5=-144(F) 4=-144(F)



December 17,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919918
Brantley_Stevens	F11	Floor	8	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:43 2019 Page 1
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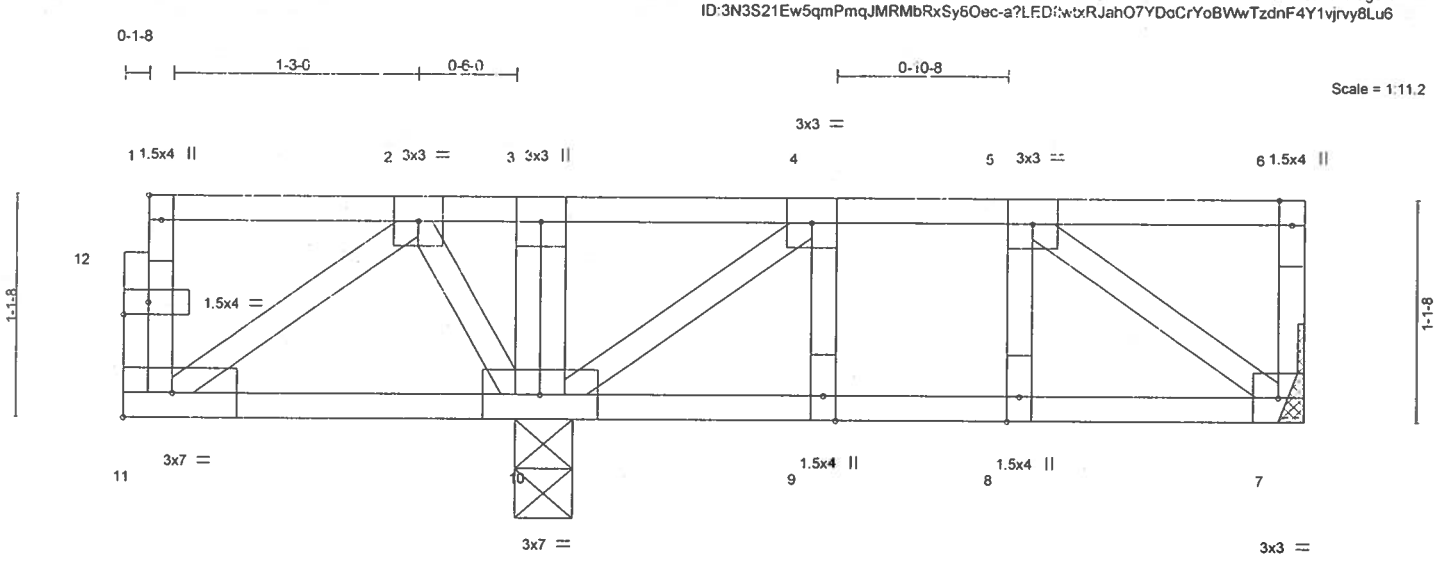


	2-0-0	2-1-8	6-0-0
	2-0-0	0-1-8	3-10-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [12:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.01	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.01	7-8	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.07	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 35 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

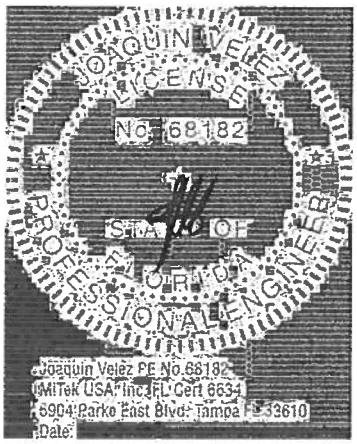
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 10=472/0-3-8, 7=50/Mechanical
Max Uplift 7=-51(LC 3)
Max Grav 10=472(LC 1), 7=115(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/343, 3-4=0/342
WEBS 2-10=-290/0, 4-10=-366/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 7.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 7-11=-7, 1-6=-67
Concentrated Loads (lb)
Vert: 1=-100



December 17,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	J-12	GABLE	1	1	Job Reference (optional)	T18919919

Mayo Truss Company, Inc., Mayo, FL - 32066 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:43 2019 Page 1
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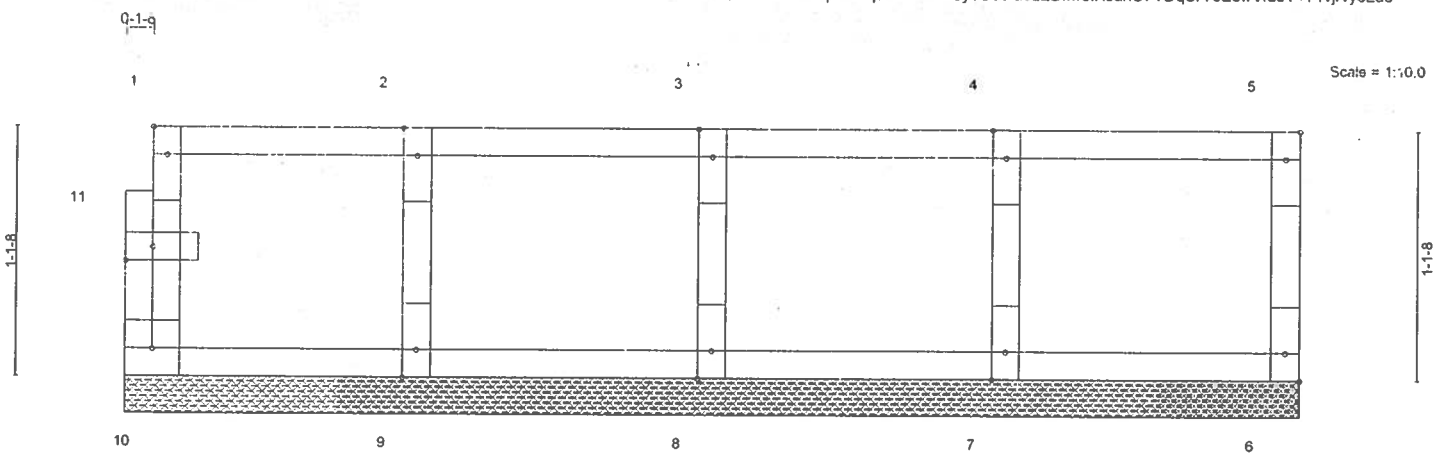


1-4-0	2-8-0	4-0-0	5-4-0
1-4-0	1-4-0	1-4-0	1-4-0

Plate Offsets (X,Y)— [1:Edge,0-0-12], [6:Edge,0-0-12], [11:0-1-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 23 lb	FT = 0%F, 0%E

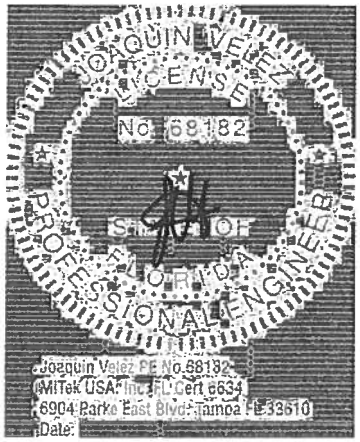
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)
OTHERS 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



December 17,2019

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantley, Stevens	F13	Floor	2	1	Job Reference (optional)	T18919920

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:44 2019 Page 1
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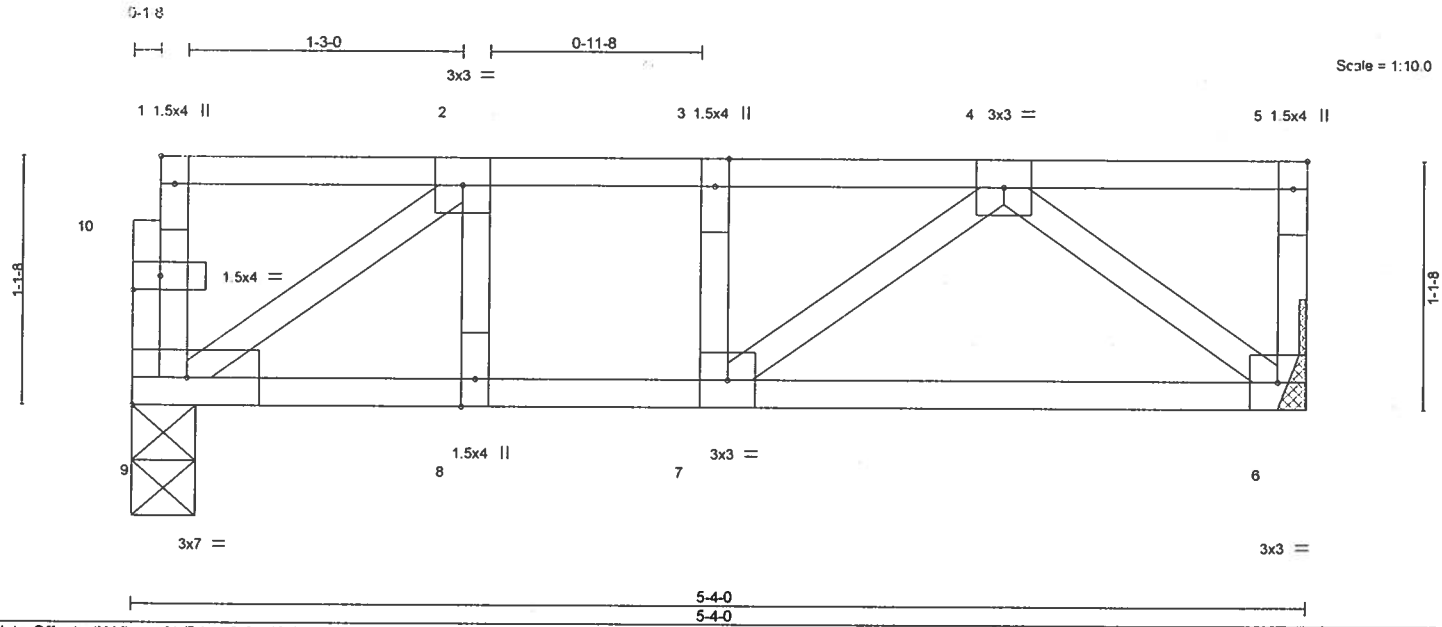


Plate Offsets (X,Y)— [1:Edge,0-0-12], [10:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 29 lb	FT = 0%F, 0%E

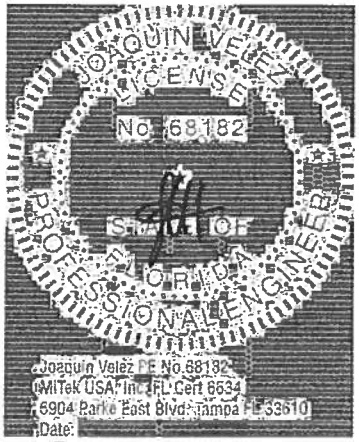
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=185/0-3-8, 6=189/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-277/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.



December 17,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	F14	GABLE	1	1	Job Reference (optional)	T18919921

Mayo Truss, Mayo, Fl

Run: 8.220 s Aug 13 2018 Print. 8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Dec 17 07:53:28 2019 Page 1

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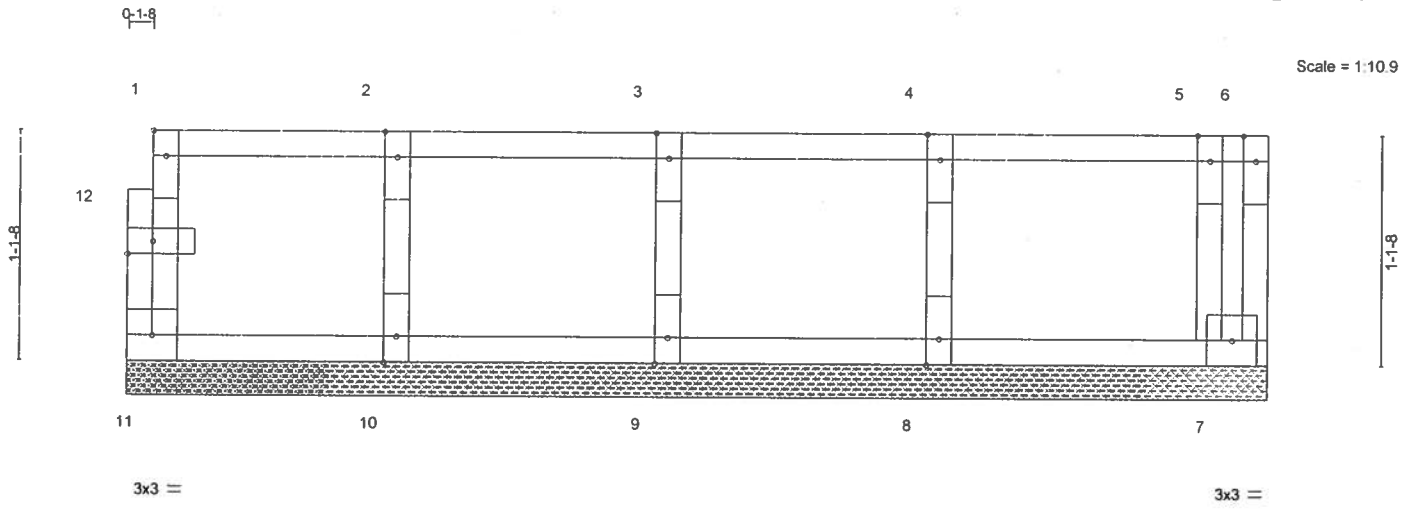


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [12:0-1-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-R							Weight: 25 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)
OTHERS 2x4 SP No.2(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

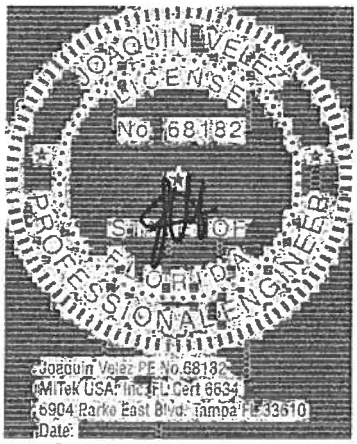
REACTIONS. All bearings 5-7-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 11, 7, 10, 9, 8

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

NOTES-

1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



December 17,2019

MiTek

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	F15	Floor	2	1	T18919922

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:45 2019 Page 1
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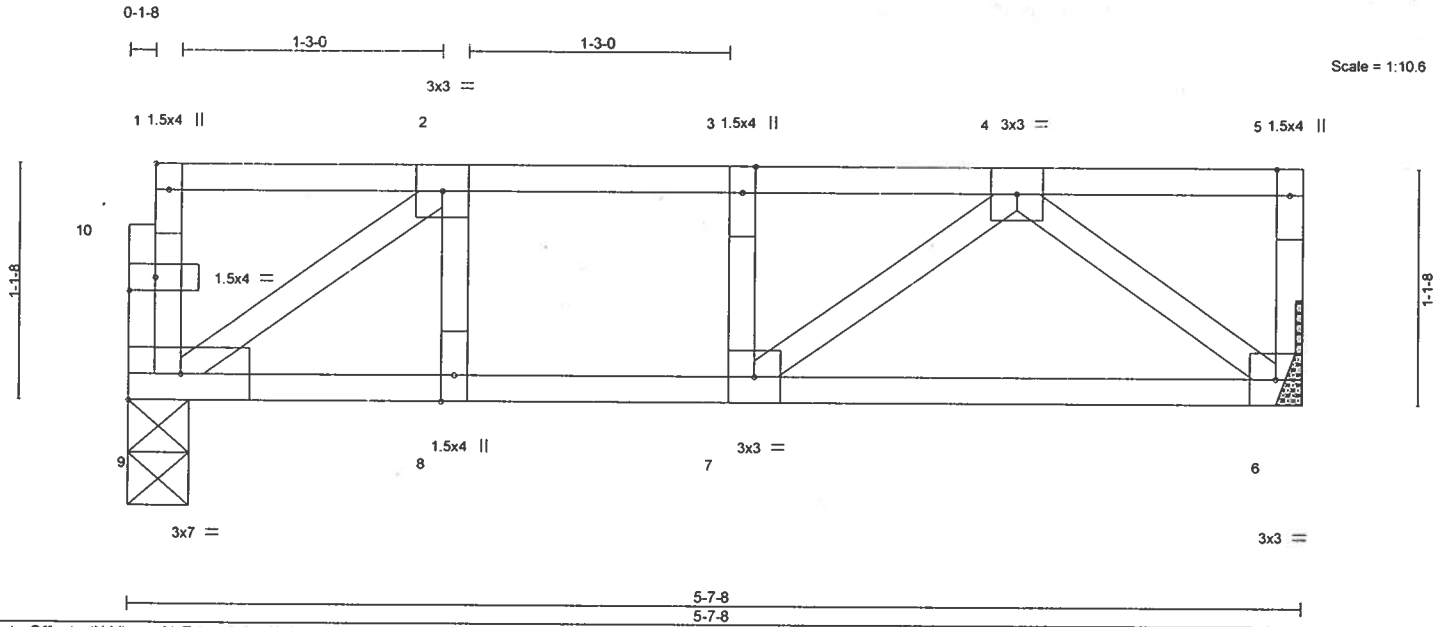


Plate Offsets (X,Y)-- [1:Edge,0-0-12], [10:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	-0.02	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.02	6-7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2017/TPI2014		Matrix-S							Weight: 30 lb	FT = 0%F, 0%E

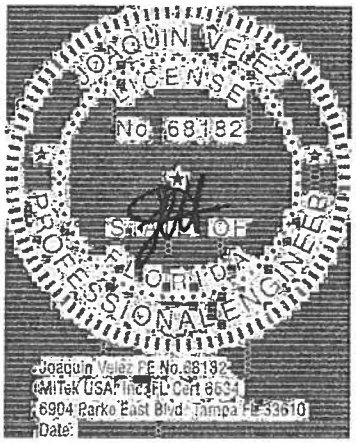
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=195/0-3-8, 6=199/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-253/0, 3-4=-253/0
BOT CHORD 8-9=0/253, 7-8=0/253
WEBS 4-6=-257/0, 2-9=-306/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	G01	COMMON GIRDER	1	2	Job Reference (optional)	T16919923

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:45 2019 Page 1
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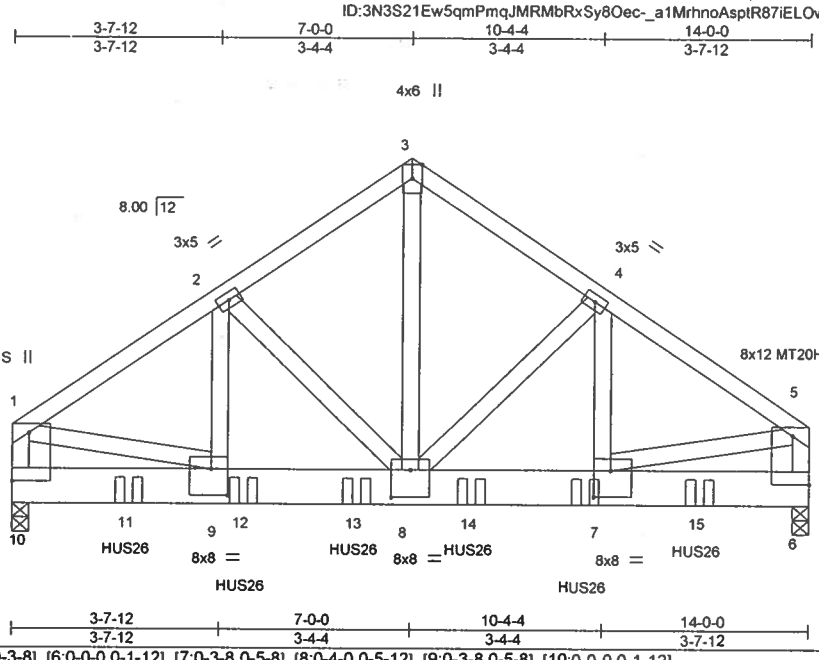


Plate Offsets (X,Y)-- [1:Edge,0-3-8], [5:Edge,0-3-8], [6:0-0-0,0-1-12], [7:0-3-8,0-5-8], [8:0-4-0,0-5-12], [9:0-3-8,0-5-8], [10:0-0-0,0-1-12]

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	0.51	Vert(LL)	-0.05	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.10	8-9	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 219 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2

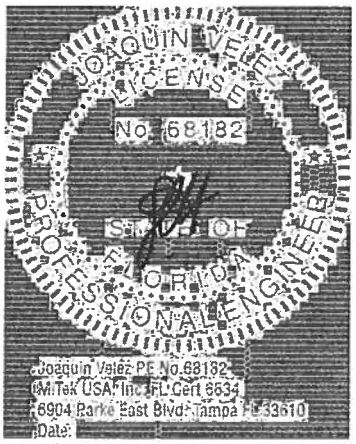
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 10=5621/0-3-8, 6=5789/0-3-8
Max Horz 10=112(LC 7)
Max Grav 10=5972(LC 2), 6=6154(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6413/0, 2-3=-5180/0, 3-4=-5180/0, 4-5=-6451/0, 1-10=-5025/0, 5-6=-5048/0
BOT CHORD 9-10=0/501, 8-9=0/5278, 7-8=0/5310, 6-7=0/471
WEBS 3-8=0/5492, 4-8=-1450/0, 4-7=0/1626, 2-8=-1405/0, 2-9=0/1573, 1-9=0/5025, 5-7=0/5032

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: 2x8 - 2 rows staggered at 0-5-0 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) All plates are MT20 plates unless otherwise indicated.
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) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 12-0-12 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: 1-3=-60, 3-5=-60, 6-10=-20
Concentrated Loads (lb)
Vert: 7=-1719(F) 11=-1719(F) 12=-1719(F) 13=-1719(F) 14=-1719(F) 15=-1719(F)



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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantley_Stevens	G02	Common Girder	1	2	T18919924

Job Reference (optional)

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:48 2019 Page 1

ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-xz97GMo2hT3bhSH5LmQOYcV1ex?vlx4qhJcTW7y8Lu1

-2-0-0	3-0-7	5-8-0	8-3-9	11-4-0	13-4-0
2-0-0	3-0-7	2-7-9	2-7-9	3-0-7	2-0-0

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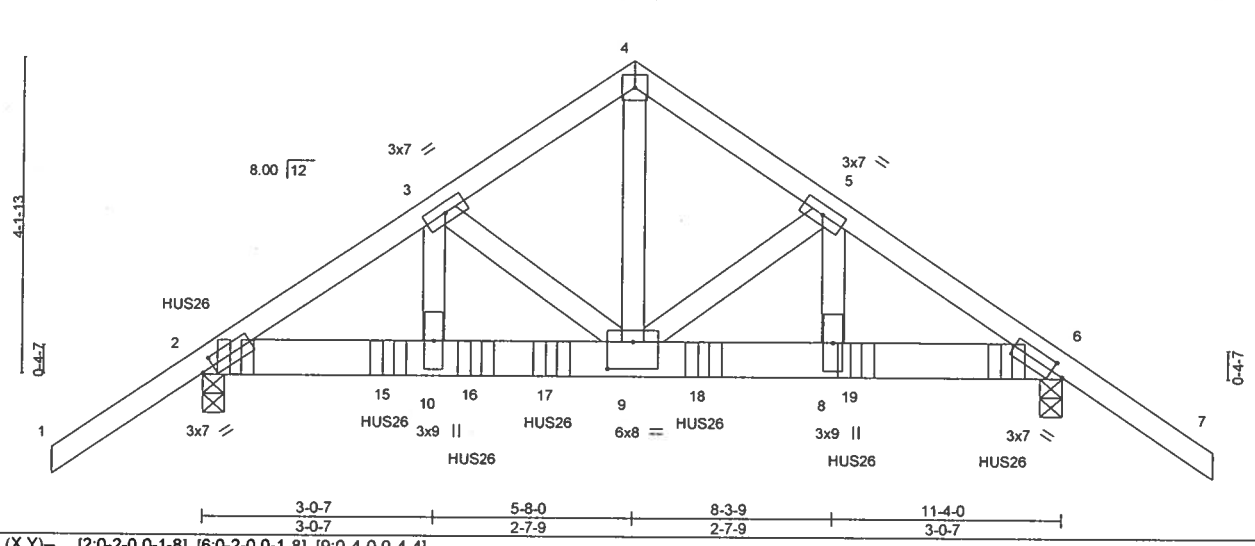


3-0-7	5-8-0	8-3-9	11-4-0
3-0-7	2-7-9	2-7-9	3-0-7

Plate Offsets (X,Y)– [2:0-2-0,0-1-8], [6:0-2-0,0-1-8], [9:0-4-0,0-4-4]

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	0.35	Vert(LL)	-0.05	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.11	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 146 lb	FT = 0%

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

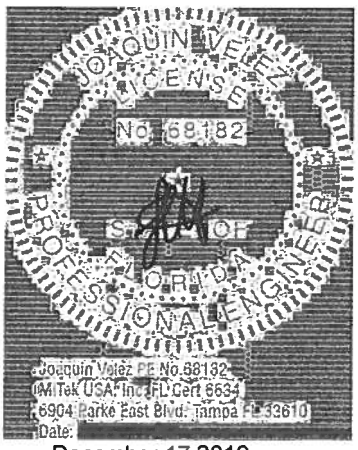
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=5290/0-3-8, 6=4733/0-3-8
Max Horz 2=94(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7085/0, 3-4=-4548/0, 4-5=-4551/0, 5-6=-6137/0
BOT CHORD 2-10=0/5888, 9-10=0/5888, 8-9=0/5099, 6-8=0/5099
WEBS 4-9=0/4803, 5-9=-1671/0, 5-8=0/1750, 3-9=-2661/0, 3-10=0/2879

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 0-6-0 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) 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 HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-5-4 from the left end to 10-7-4 to connect truss(es) to back face of bottom chord.
8) 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, 4-7=-60, 2-6=-20
Concentrated Loads (lb)
Vert: 12=-1272(B) 14=-1269(B) 15=-1267(B) 16=-1267(B) 17=-1267(B) 18=-1267(B) 19=-1267(B)



December 17,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919925
Brantley_Stevens	H01	Half Hip Girder	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:49 2019 Page 1
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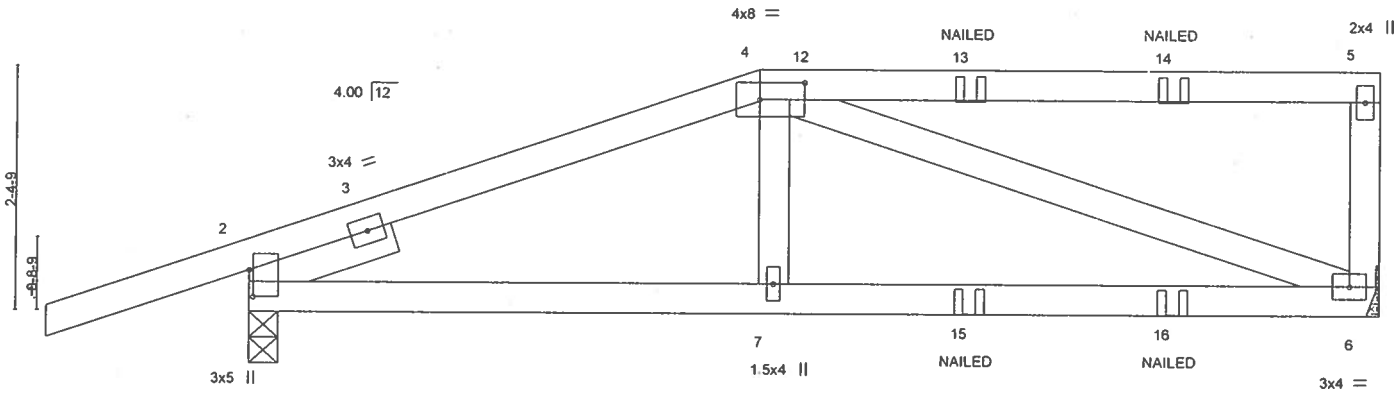


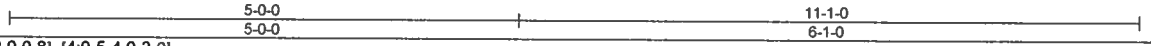


Plate Offsets (X,Y)-- [2:0-3-2,0-0-8], [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 106 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

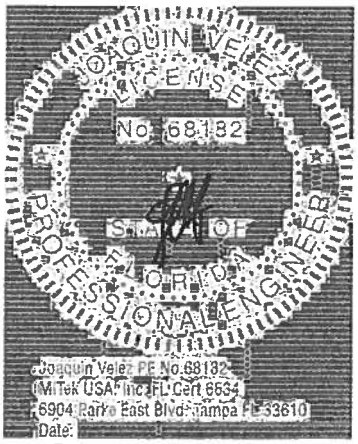
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=713/0-3-8, 6=647/Mechanical
Max Horz 2=67(LC 24)
Max Uplift 2=-205(LC 8), 6=-178(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1028/290, 5-6=-255/61
BOT CHORD 2-7=-291/936, 6-7=-297/950
WEBS 4-7=-83/360, 4-6=-893/272

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 2 and 178 lb uplift at joint 6.
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) 137 lb down and 105 lb up at 5-0-0 on top chord, and 107 lb down and 71 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard



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Continued on page 2

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	H01	Half Hip Girder	1	2	T18919925
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:49 2019 Page 2
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-P9iVTipgSnBSIcrHvTxd5p2BpLUa1UnzwzM12Zy8Lu0

LOAD CASE(S) Standard

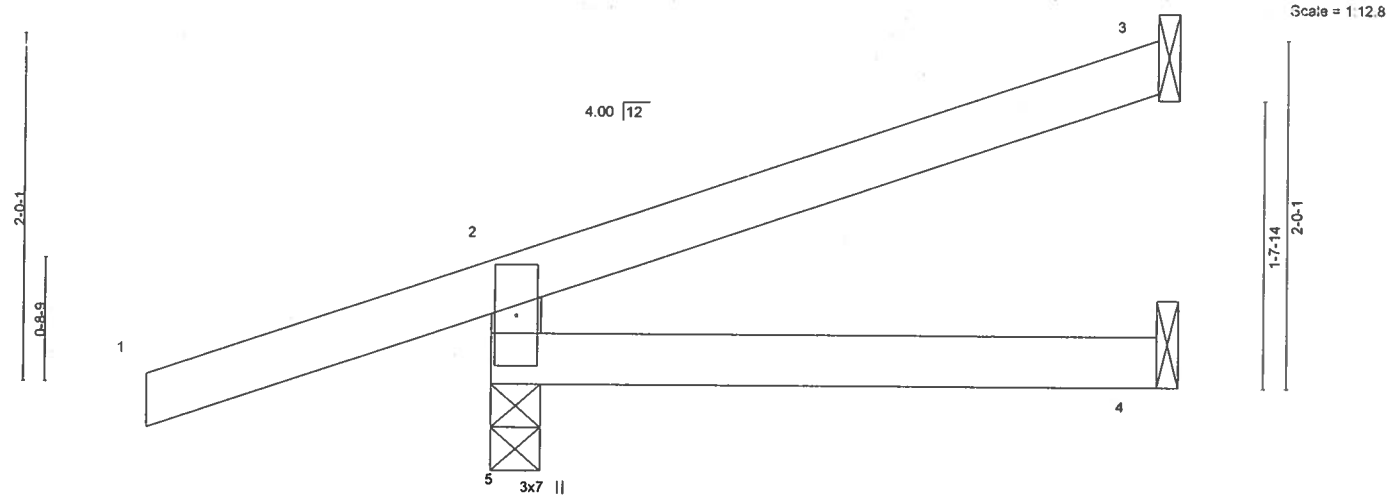
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-5=-60, 6-8=-20
   Concentrated Loads (lb)
   Vert: 4=-90(B) 7=-88(B) 13=-60(B) 14=-60(B) 15=-33(B) 16=-33(B)

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919926
Brantely_Stevens	J01	Jack-Open	5	1	Job Reference (optional)	

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:49 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-P9iVTipgSnBSIcrHvTxd5p2DCLXP1WozwzM12Zy8Lu0

-2-0-0 / 2-0-0 — 3-10-8 / 3-10-8

Scale = 1:12.8



3-10-8 / 3-10-8

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	0.30	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.02	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 15 lb	FT = 0%

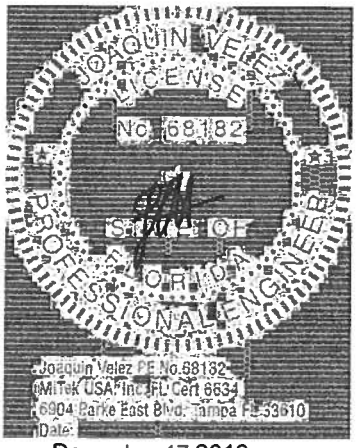
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 5=313/0-3-8, 3=81/Mechanical, 4=28/Mechanical
Max Horz 5=65(LC 12)
Max Uplift 5=-90(LC 12), 3=-18(LC 12), 4=-12(LC 9)
Max Grav 5=313(LC 1), 3=81(LC 1), 4=64(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-268/211

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 5, 18 lb uplift at joint 3 and 12 lb uplift at joint 4.



December 17,2019

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	J02	Jack-Open	2	1	Job Reference (optional)	T18919927

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:50 2019 Page 1
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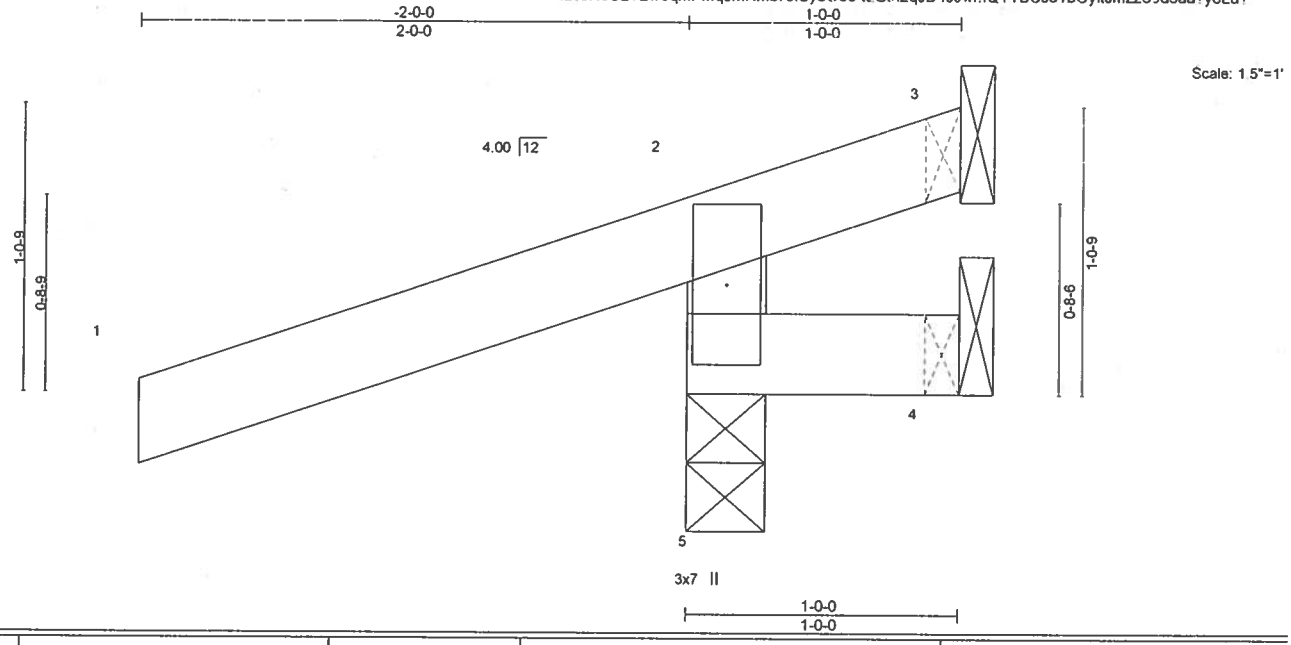


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MR							Weight: 7 lb	FT = 0%

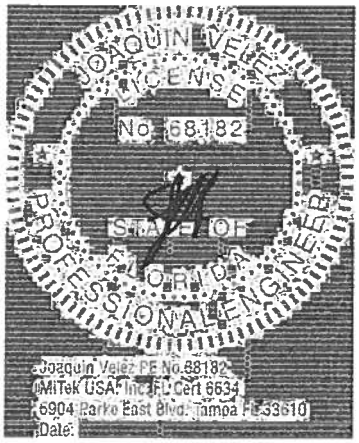
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 5=327/0-3-8, 3=-92/Mechanical, 4=-38/Mechanical
Max Horz 5=42(LC 12)
Max Uplift 5=-117(LC 12), 3=-92(LC 1), 4=-38(LC 1)
Max Grav 5=327(LC 1), 3=40(LC 12), 4=10(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-271/244

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 5, 92 lb uplift at joint 3 and 38 lb uplift at joint 4.



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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	J03	Jack-Open	2	1	T18919928
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:51 2019 Page 1
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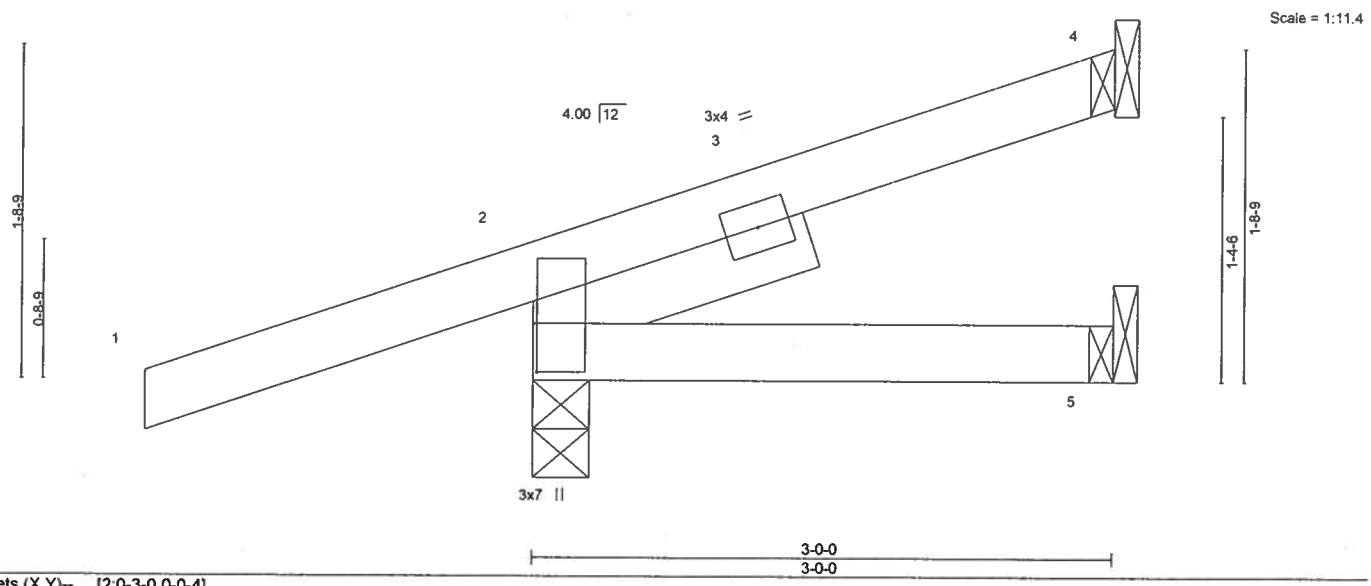


Plate Offsets (X,Y)-- [2:0-3-0,0-0-4]

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	0.26	Vert(LL)	0.01	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	5-8	>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: 15 lb	FT = 0%

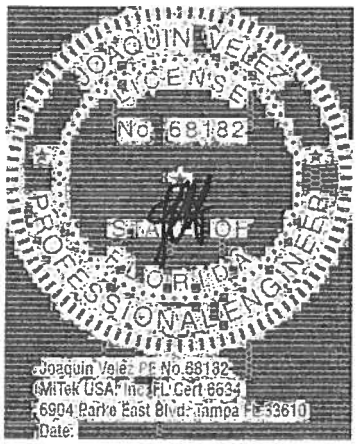
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

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) 4=55/Mechanical, 2=278/0-3-8, 5=22/Mechanical
Max Horz 2=48(LC 12)
Max Uplift 4=-12(LC 12), 2=-83(LC 12), 5=-9(LC 9)
Max Grav 4=55(LC 1), 2=278(LC 1), 5=46(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 4, 83 lb uplift at joint 2 and 9 lb uplift at joint 5.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	J04	Jack-Open	3	1	T18919929
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066 — 8.240 s Dec 6 2019 MiTek Industries, Inc Mon Dec 16 15:17:51 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-LYqFuOrx_ORAYw?g0uz5AE7aL9BDVQHGOHr87Ry8!u_

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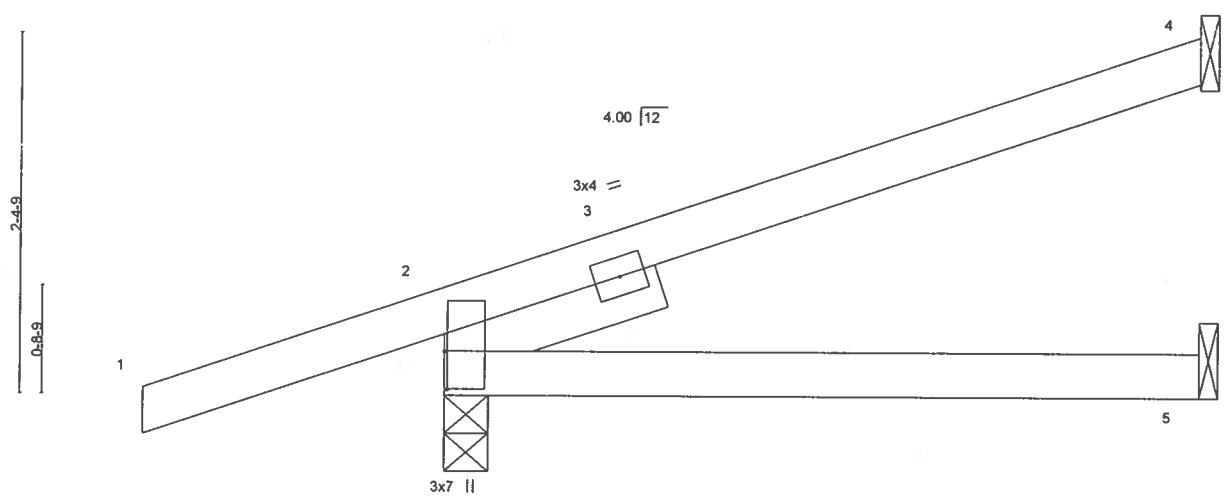
Scale = 1:14.7



5-0-0 / 5-0-0

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

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	0.26	Vert(LL)	0.06	5-8	>989	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 21 lb	FT = 0%

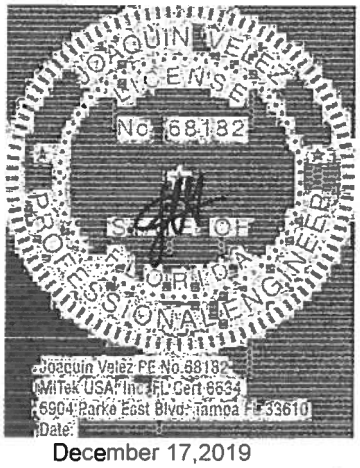
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

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

REACTIONS. (lb/size) 4=120/Mechanical, 2=342/0-3-8, 5=53/Mechanical
Max Horz 2=64(LC 12)
Max Uplift 4=-29(LC 12), 2=-91(LC 12), 5=-14(LC 9)
Max Grav 4=120(LC 1), 2=342(LC 1), 5=85(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 4, 91 lb uplift at joint 2 and 14 lb uplift at joint 5.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919930
Brantley_Stevens	M01	Monopitch	4	1	Job Reference (optional)	

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:52 2019 Page 1
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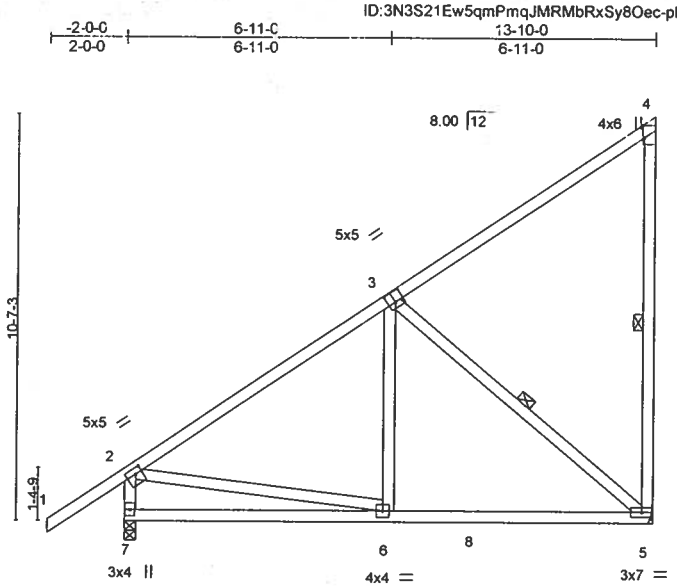


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [3:0-2-4,0-3-4], [4:0-3-14,Edge]

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	0.64	Vert(LL)	0.06	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.11	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 96 lb	FT = 0%

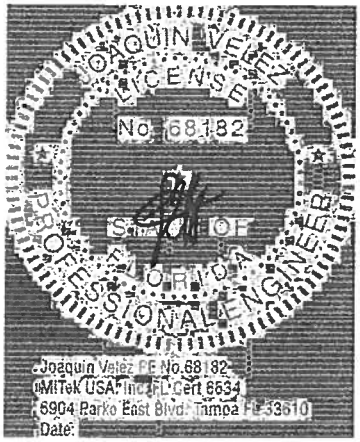
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-5, 3-5

REACTIONS. (lb/size) 7=681/0-3-8, 5=531/Mechanical
Max Horz 7=323(LC 9)
Max Uplift 7=-39(LC 12), 5=-72(LC 9)
Max Grav 7=681(LC 1), 5=602(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-614/119, 2-7=-618/231
BOT CHORD 6-7=-618/667, 5-6=-300/565
WEBS 3-6=0/276, 3-5=-567/249, 2-6=-103/372

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, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 7 and 72 lb uplift at joint 5.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantley_Stevens	M02	Monopitch	8	1	T18919931
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:53 2019 Page 1
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-2-0-0 / 2-0-0 | 5-10-8 / 5-10-8

Scale = 1:17.0

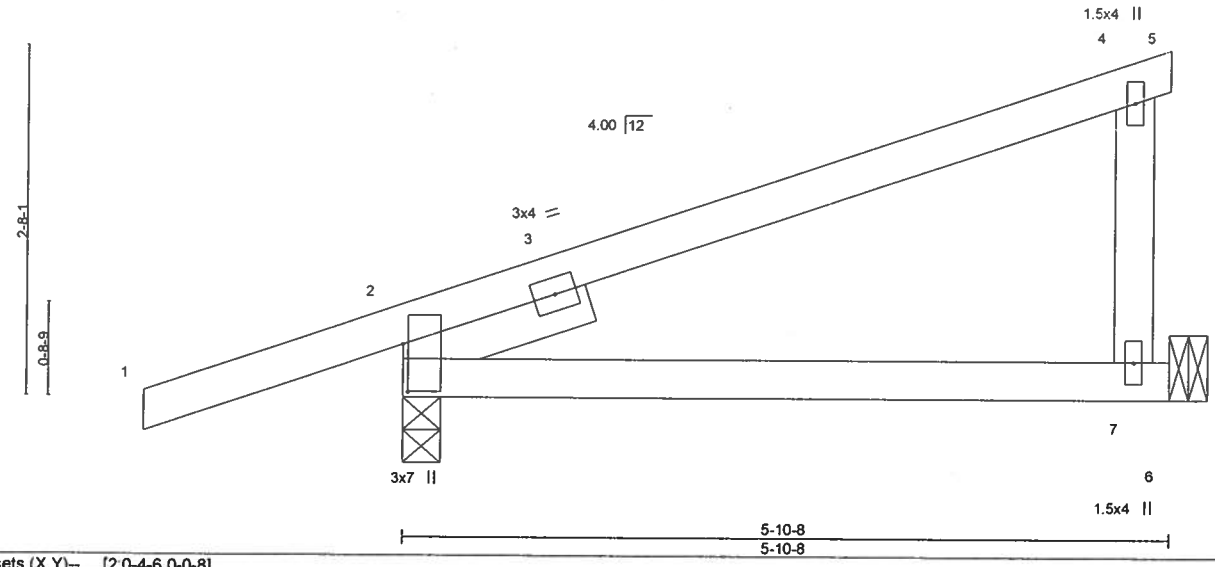


Plate Offsets (X,Y)-- [2:0-4-6,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.10	7-10	>657	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.08	7-10	>826	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 26 lb	FT = 0%

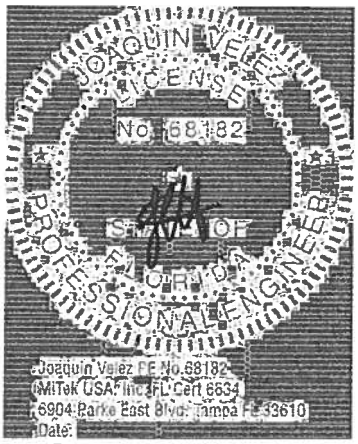
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

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

REACTIONS. (lb/size) 7=214/Mechanical, 2=365/0-3-8
Max Horz 2=74(LC 11)
Max Uplift 7=-41(LC 12), 2=-104(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 7 and 104 lb uplift at joint 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.



December 17,2019

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Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	MG01	Monopitch Girder	1	2	Job Reference (optional)	T18919932

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:53 2019 Page 1
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-2-0-0 / 2-0-0 | 5-10-8 / 5-10-8

Scale = 1:17.0

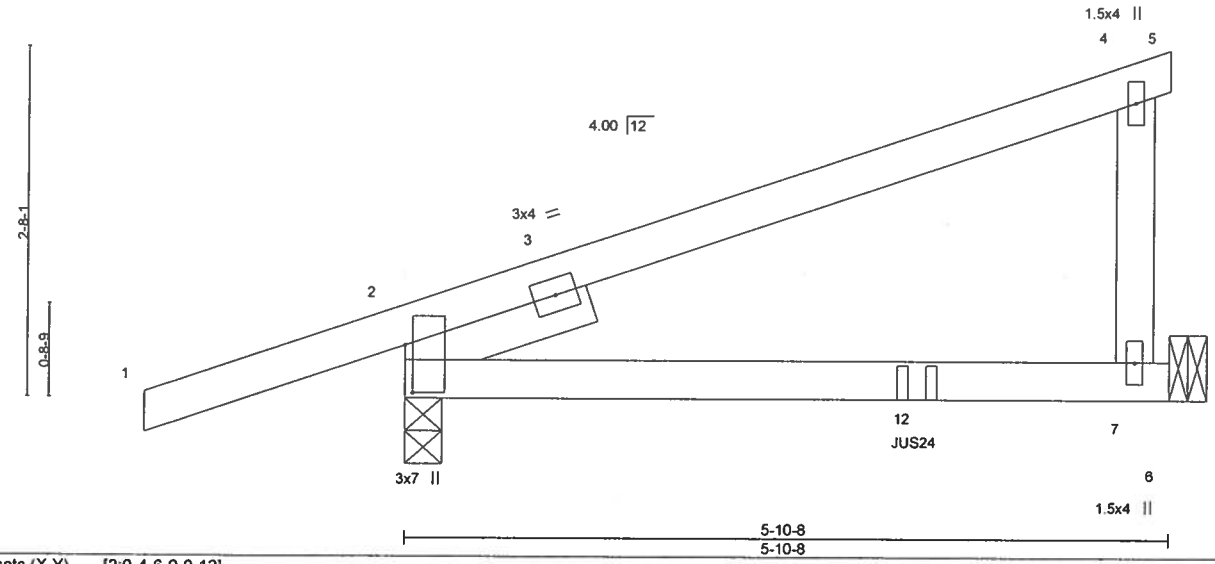


Plate Offsets (X,Y)-- [2:0-4-6,0-0-12]

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	0.38	Vert(LL)	-0.07	7-10	>964	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.15	7-10	>439	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 53 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x4 SP No.2 1-6-0

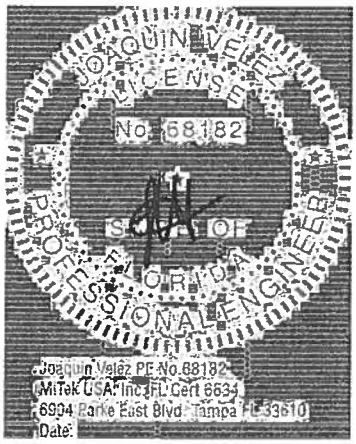
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=561/Mechanical, 2=513/0-3-8
Max Horz 2=74(LC 7)
Max Uplift 7=-59(LC 8), 2=-84(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-549/117

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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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 59 lb uplift at joint 7 and 84 lb uplift at joint 2.
8) Use USP JUS24 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 3-11-3 from the left end 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, 4-5=-20, 6-8=-20
Concentrated Loads (lb)
Vert: 12=-494(F)



December 17,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	MG02	Monopitch Girder	1	2	Job Reference (optional)	T18919933

Mayo Truss, Mayo, FL 8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Dec 17 07:55:18 2019 Page 1
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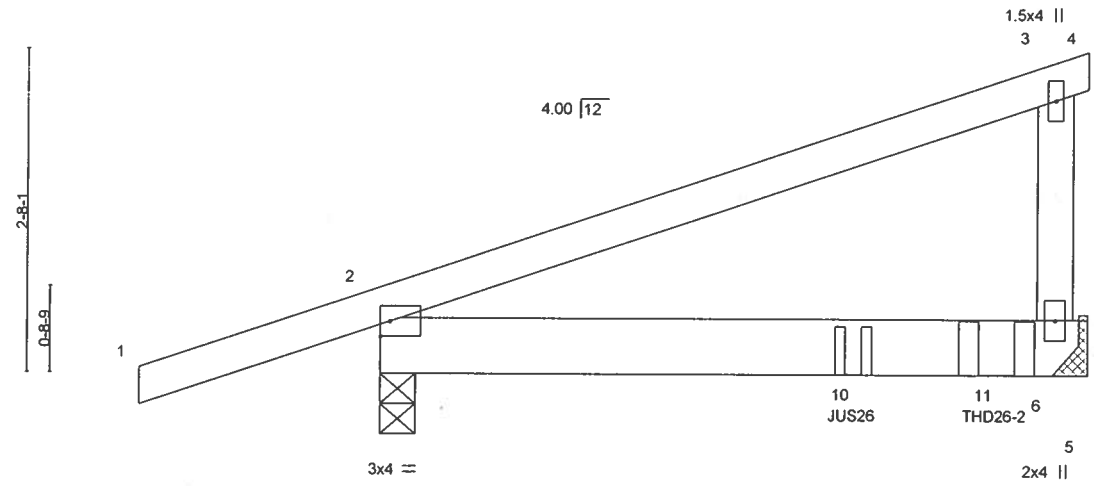
-2-0-0 / 2-0-0 — 5-10-8 / 5-10-8

Scale = 1:18.4



5-10-8 / 5-10-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.03	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.07	6-9	>998	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 58 lb	FT = 0%

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

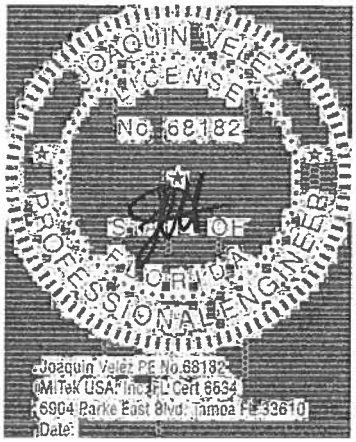
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=1138/Mechanical, 2=568/0-3-8
Max Horz 2=72(LC 7)
Max Uplift6=-233(LC 8), 2=-101(LC 8)

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

NOTES-
1) 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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 233 lb uplift at joint 6 and 101 lb uplift at joint 2.
8) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 5-1-8 from the left end to connect truss(es) to front face of bottom chord.
9) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent at 3-11-3 from the left end to connect truss(es) to back face of bottom chord.
10) 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: 1-3=-60, 3-4=-20, 5-7=-20
Concentrated Loads (lb)
Vert: 10=-498(B) 11=-629(F)



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	PB01GE	GABLE	1	1	Job Reference (optional)	T18919934

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:55 2019 Page 1
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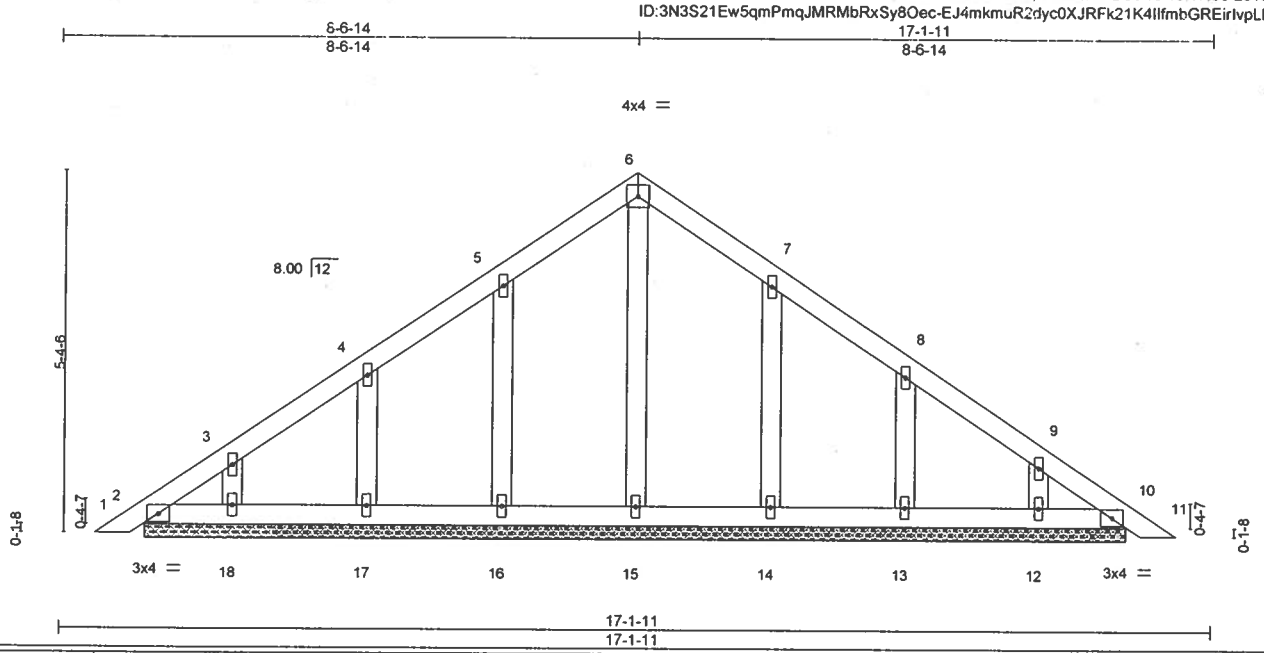


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 75 lb	FT = 0%

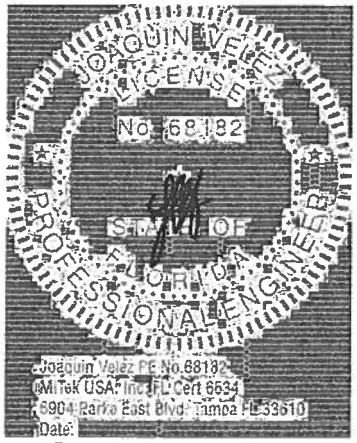
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 14-7-3.
(lb) - Max Horz 2=-96(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 18, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 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, 16, 17, 18, 14, 13, 12.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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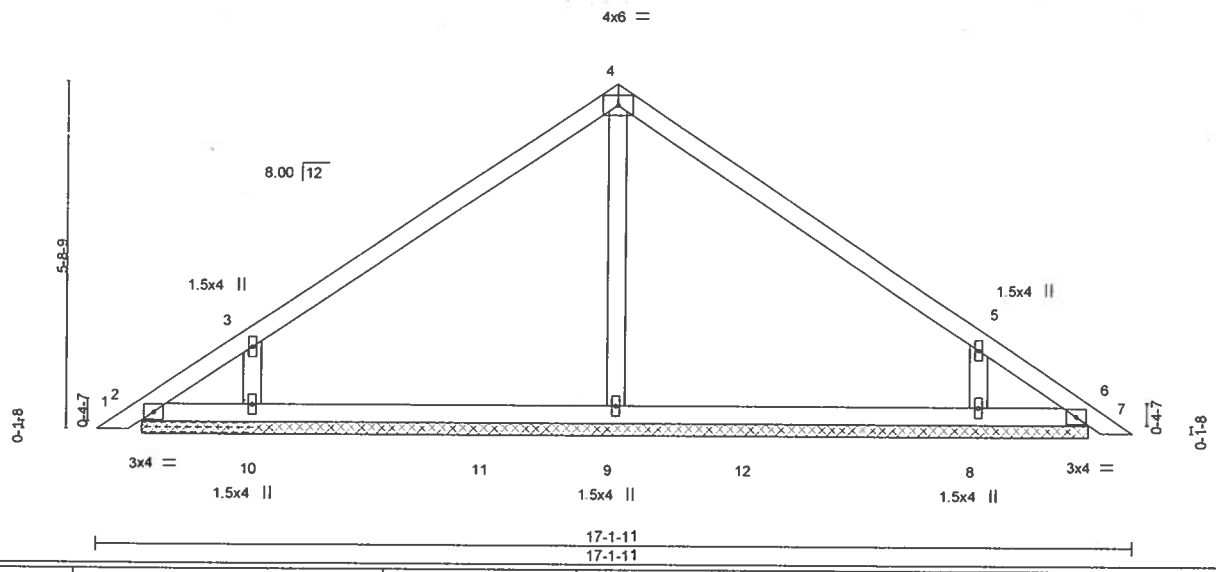
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	PB02	Piggyback	6	1	Job Reference (optional)	T18919935

Mayo Truss Company, Inc., - Mayo, FL - 32066 8.240 s Dec 6 2018 MiTek Industries, Inc. Mon Dec 16 15:17:56 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-iVe8x5v3pw4TehudpSZGtlqNoAthAfV?XYYvnfy8Ltv

8-6-14 / 8-6-14 — 17-1-11 / 8-6-14

Scale = 1:36.6



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)	-0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-S							Weight: 64 lb	FT = 0%

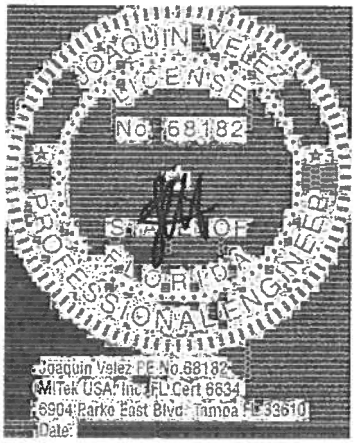
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 15-7-13.
(lb) - Max Horz 2=-102(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=490(LC 17), 10=459(LC 17), 8=458(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-271/38, 3-10=-378/248, 5-8=-378/248

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) Gable requires continuous bottom chord bearing.
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, 6, 10, 8.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18913936
Brantley_Stevens	PB03	Piggyback	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:57 2019 Page 1
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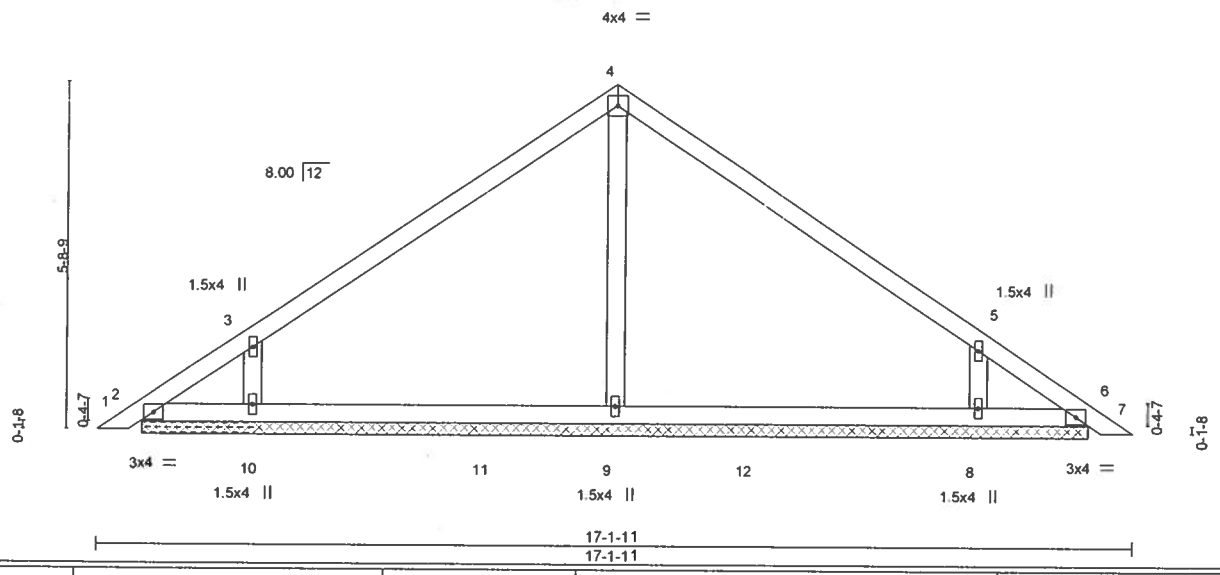
8-6-14 / 8-6-14 | 17-1-11 / 8-6-14

Scale = 1:36.6



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.20	Vert(LL) -0.00 7 n/r 120	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.14	Vert(CT) -0.00 7 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 6 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S		Weight: 129 lb FT = 0%

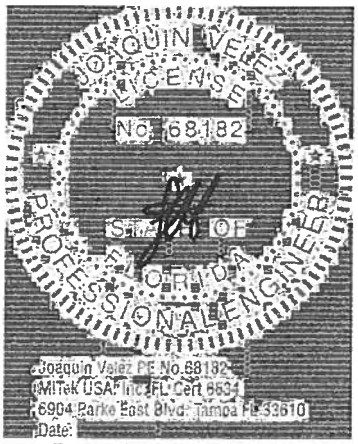
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 15-7-13.
(lb) - Max Horz 2=-102(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=490(LC 17), 10=459(LC 17), 8=458(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-271/38, 3-10=-378/248, 5-8=-378/248

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.
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) 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
5) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



December 17,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Stantely Stevens	PB04	Piggyback	2	1	Job Reference (optional)	T18919937

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:58 2019 Page 1
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5-10-5

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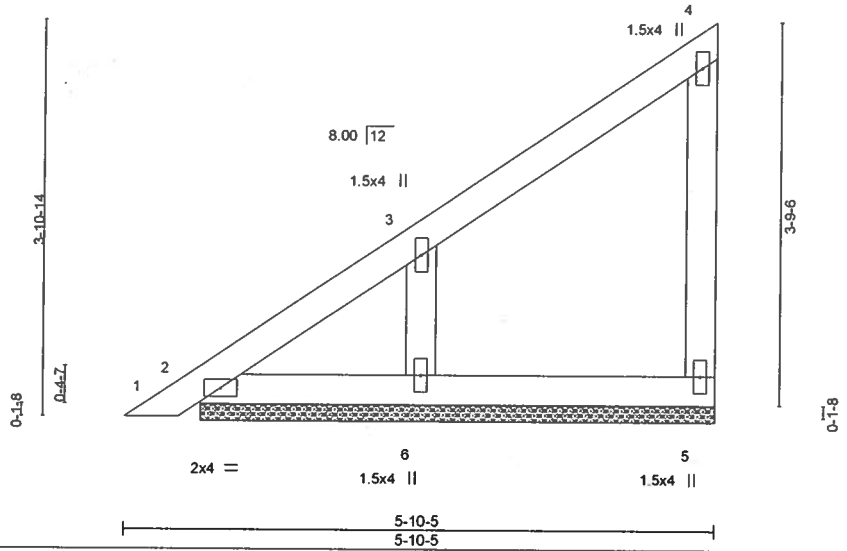


5-10-5
5-10-5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 25 lb	FT = 0%

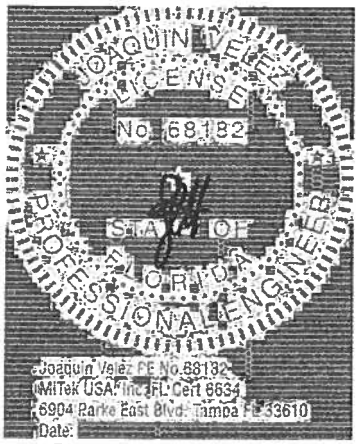
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=89/5-1-6, 2=91/5-1-6, 6=246/5-1-6
Max Horz 2=105(LC 9)
Max Uplift 5=-16(LC 9), 6=-32(LC 12)
Max Grav 5=95(LC 17), 2=100(LC 18), 6=250(LC 17)

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) Gable requires continuous bottom chord bearing.
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) 5, 6.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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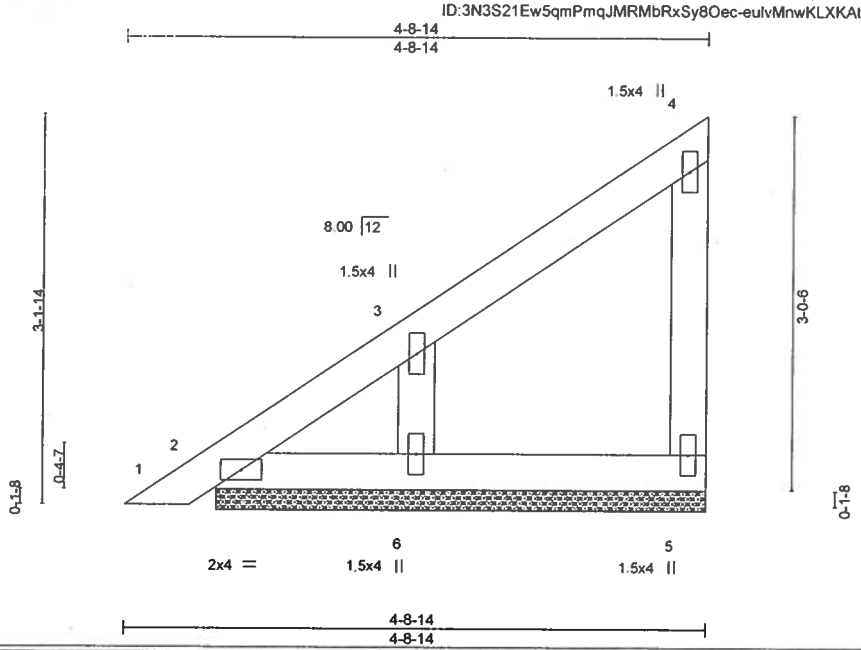
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	PB05	Piggyback	4	1	T18919938
					Job Reference (optional)

Mayo Truss Company, Inc Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:58 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-eulvMnwKLXKAt_20xsbkyjwoSzdoebhI?s1?rXy8Ltt



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	0.07	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 19 lb	FT = 0%

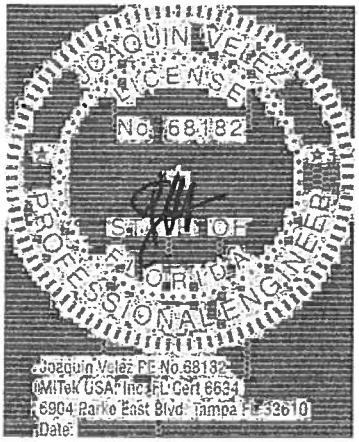
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=72/3-11-15, 2=75/3-11-15, 6=190/3-11-15
Max Horz 2=82(LC 9)
Max Uplift 5=-12(LC 9), 2=-1(LC 13), 6=-23(LC 12)
Max Grav 5=77(LC 17), 2=80(LC 18), 6=193(LC 17)

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) Gable requires continuous bottom chord bearing.
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) 5, 2, 6.
6) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



December 17,2019

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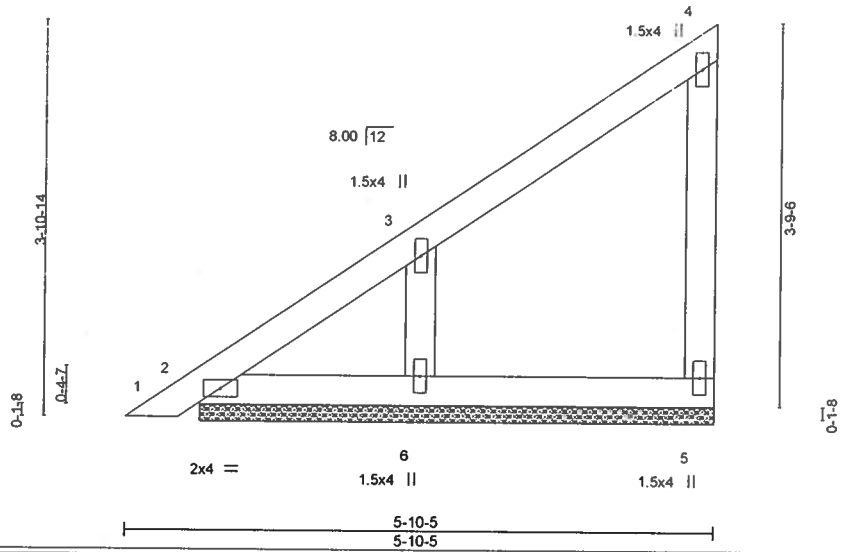
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	PB06	Piggyback	1	2	Job Reference (optional)	T18919939

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:17:59 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-64JHa7xy6rS1V8cCUa7zVwS_QNz8N23RDWnZO_y8Lts

5-10-5
5-10-5

Scale = 1:21.9



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	0.06	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 49 lb	FT = 0%

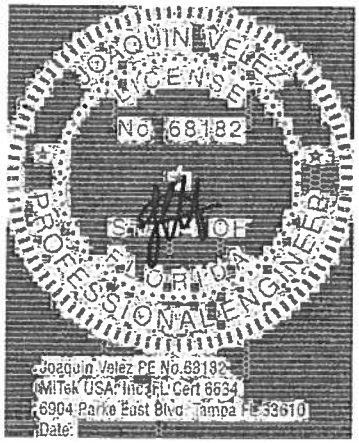
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=89/5-1-6, 2=91/5-1-6, 6=246/5-1-6
Max Horz 2=105(LC 9)
Max Uplift 5=-16(LC 9), 6=-32(LC 12)
Max Grav 5=95(LC 17), 2=100(LC 18), 6=250(LC 17)

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

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.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) 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
4) Gable requires continuous bottom chord bearing.
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) 5, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

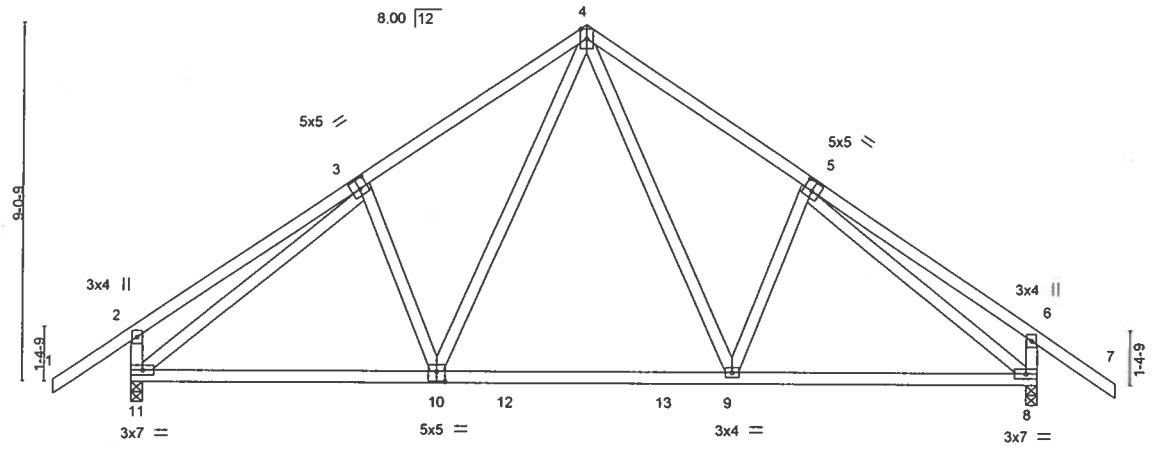
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T01	Common	3	1	T18919940
					Job Reference (optional)

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon.Dec 16 15:18:00 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-aGtfnTyat9au7IBO2HeC17?5QnAY6IdbSAW6wQy6I.tr

-2-0-0	5-10-12	11-6-0	17-1-4	23-0-0	25-0-0
2-0-0	5-10-12	5-7-4	5-7-4	5-10-12	2-0-0

4x6 ||

Scale = 1:56.1



7-9-3	15-2-13	23-0-0
7-9-3	7-5-11	7-9-3

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-3-0], [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	0.30	Vert(LL)	-0.15	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.21	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 149 lb	FT = 0%

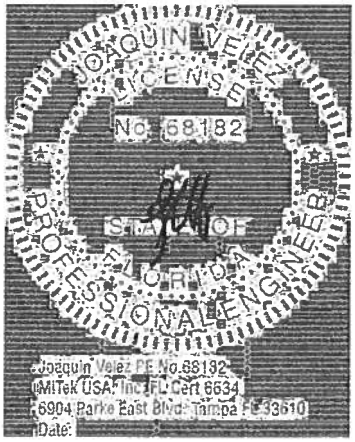
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 11=1037/0-3-8, 8=1037/0-3-8
Max Horz 11=-198(LC 10)
Max Uplift 11=-53(LC 12), 8=-53(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-288/146, 3-4=-967/290, 4-5=-967/290, 5-6=-288/146, 2-11=-374/202, 6-8=-373/202
BOT CHORD 10-11=-36/886, 9-10=0/647, 8-9=-27/794
WEBS 4-9=-94/427, 4-10=-94/426, 3-11=-931/120, 5-8=-930/120

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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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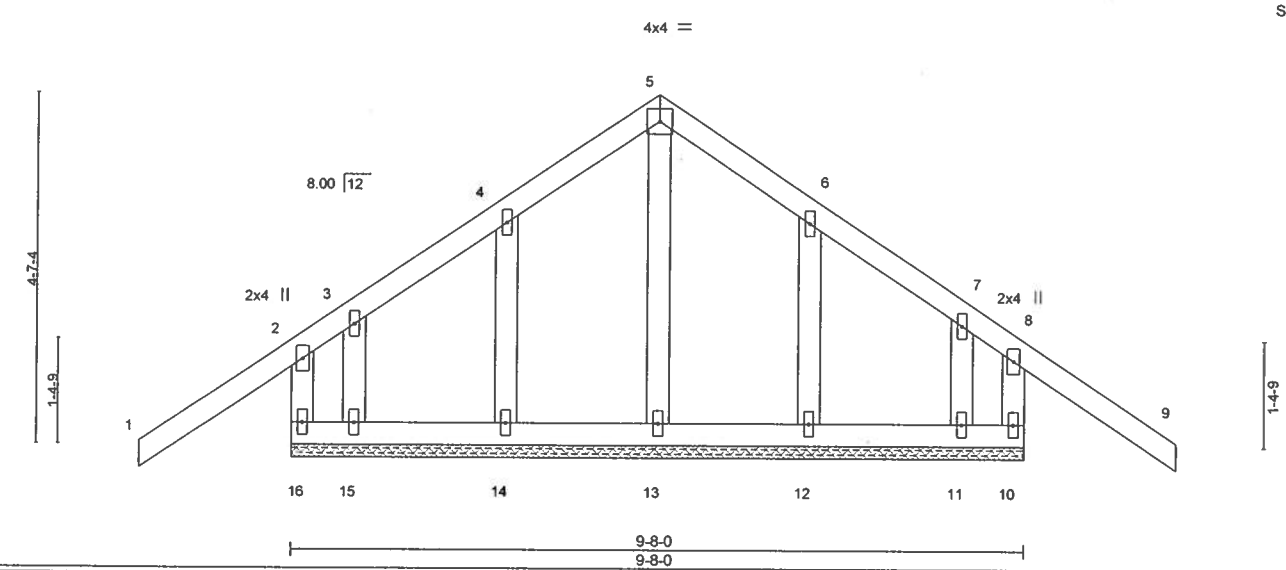
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantley_Stevens	T01GE	Common Supported Gable	1	1	Job Reference (optional)	T18919941

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:01 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-2TR1?pzCeSilkSmnc?9RaLYGzBeKrx?khqGfSsy8Ltq

-2-0-0 2-0-0 | 4-10-0 4-10-0 | 9-8-0 4-10-0 | 11-8-0 2-0-0

Scale = 1:29.1



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	0.31	Vert(LL)	-0.03	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.05	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 60 lb	FT = 0%

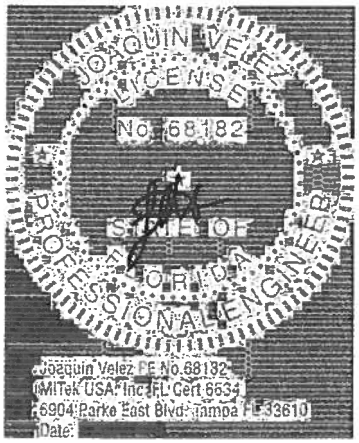
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 9-8-0.
(lb) - Max Horz 16=-116(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 12, 11 except 16=-140(LC 12), 10=-140(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 15, 12, 11 except 16=280(LC 21), 10=280(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-275/285, 8-10=-275/283

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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15, 12, 11 except (jt=lb) 16=140, 10=140.



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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	T01SGE	Common Structural Gable	1	1		T18919942
					Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:04 2019 Page 1
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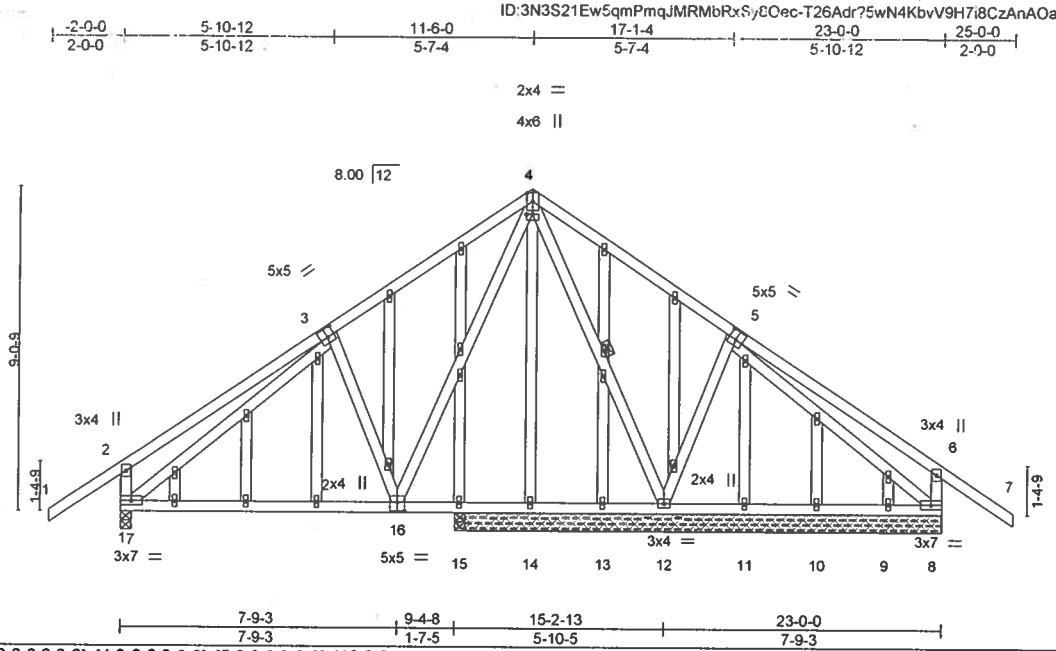


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [4:0-2-0,0-0-0], [5:0-2-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.08	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.16	16-17	>715	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 220 lb	FT = 0%

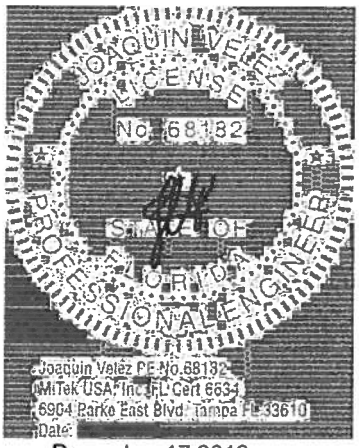
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 13-7-8 except (jt=length) 17=0-3-8.
(lb) - Max Horz 17=-198(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12, 17, 8, 15
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 15, 13, 11, 10, 9 except 12=791(LC 1), 17=705(LC 1), 8=372(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-273/142, 3-4=-514/221, 2-17=-362/199, 6-8=-301/212
BOT CHORD 16-17=0/466
WEBS 4-12=-529/33, 5-12=-343/216, 4-16=-94/418, 3-16=-293/205, 3-17=-417/59

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) 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 studs spaced at 2-0-0 oc.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 17, 8, 15.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

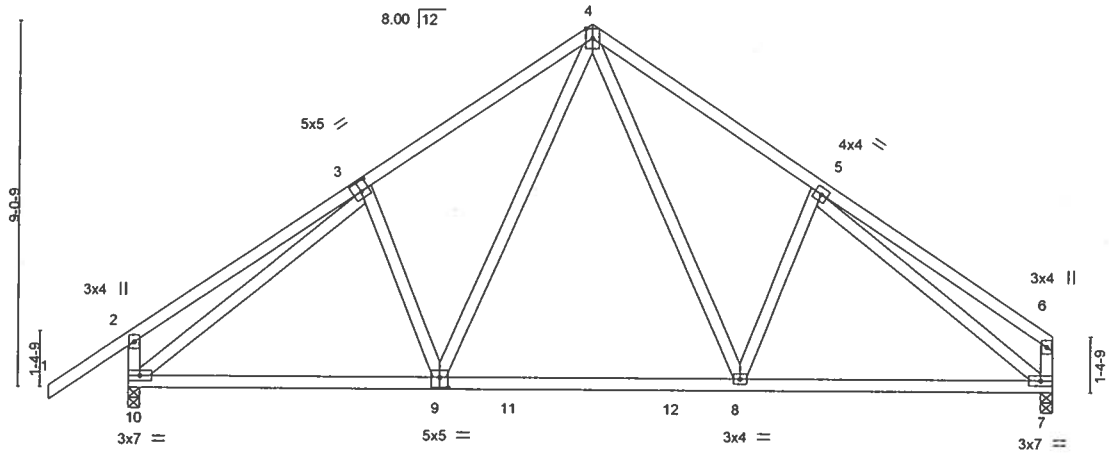
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T02	Common	3	1	T18919943
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:06 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-PQEw2W0LS?K2rDfYPYlcHOF7rCDxW__Tq6zQ84y8Ltl

-2-0-0	5-10-12	11-6-0	17-1-4	23-0-0
2-0-0	5-10-12	5-7-4	5-7-4	5-10-12

4x6 ||

Scale = 1:55.0



7-9-3	15-2-13	23-0-0
7-9-3	7-5-11	7-9-3

Plate Offsets (X,Y)— [3:0-2-8,0-3-0], [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	0.30	Vert(LL)	-0.15	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.21	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 146 lb	FT = 0%

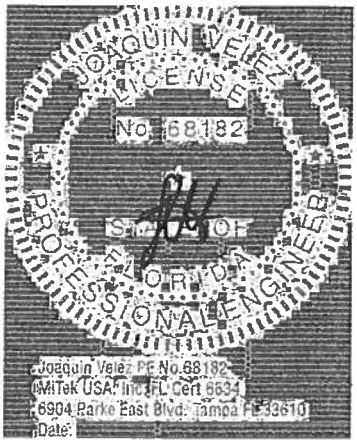
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 10=1043/0-3-8, 7=902/0-3-8
Max Horz 10=190(LC 11)
Max Uplift 10=-54(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-288/146, 3-4=-974/295, 4-5=-987/297, 5-6=-306/140, 2-10=-373/202, 6-7=-284/128
BOT CHORD 9-10=-119/878, 8-9=-5/639, 7-8=-118/808
WEBS 4-8=-101/449, 4-9=-94/426, 3-10=-939/123, 5-7=-890/113

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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
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.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

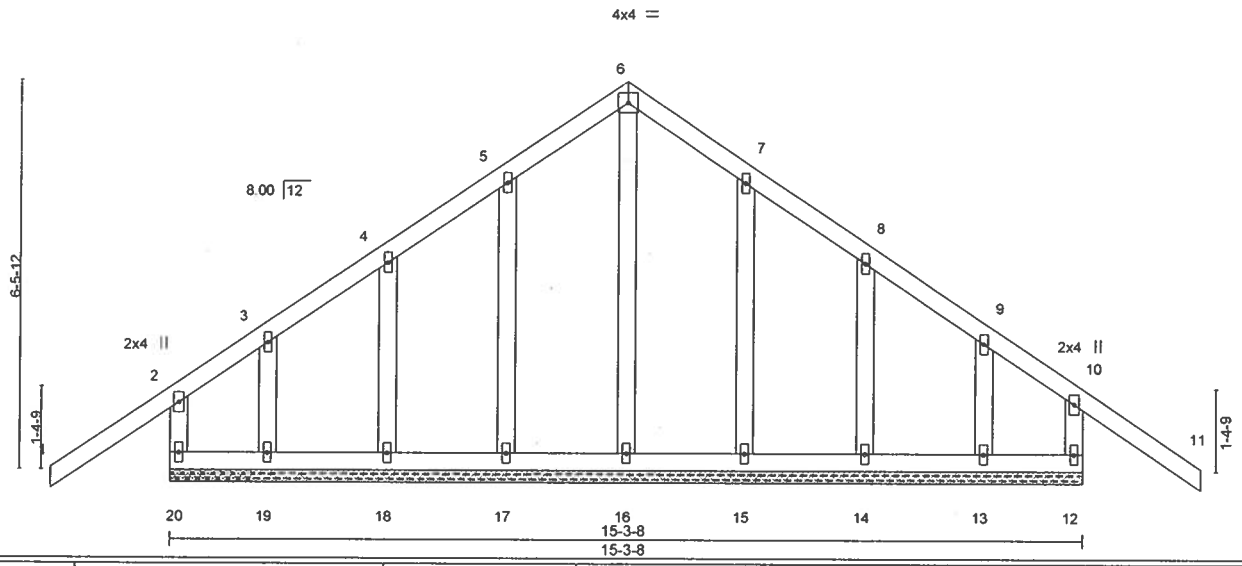
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantley_Stevens	T02GE	Common Supported Gable	1	1	Job Reference (optional)	T18919944

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:07 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-tdolFs1zDITvSNEkyFGrpcolSchZFeYc3mj_gWy8Ltk

-2-0-0 | 7-7-12 | 15-3-8 | 17-3-8
2-0-0 | 7-7-12 | 7-7-12 | 2-0-0

Scale = 1:37.0



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.03	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.06	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 98 lb	FT = 0%

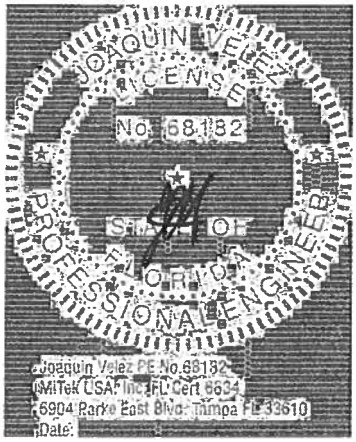
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 15-3-8.
(lb) - Max Horz 20=-151(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 20, 12, 17, 18, 19, 15, 14, 13
Max Grav All reactions 250 lb or less at joint(s) 20, 12, 16, 17, 18, 19, 15, 14, 13

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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 12, 17, 18, 19, 15, 14, 13.



December 17,2019

6904 Parke East Blvd.
Tampa, FL 36610

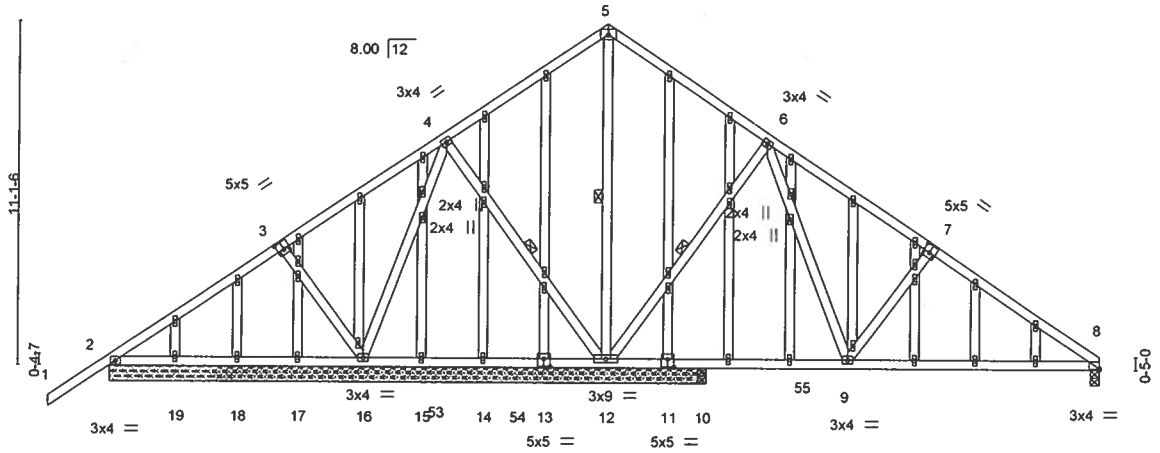
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T02SGE	Common Structural Gable	1	1	T18919945
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:10 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-HCURuu3rWDrTJqyJeOpYREQphpcRSyz3lkxeHry8Lth

-2-0-0	5-7-12	10-10-9	16-1-6	21-4-4	26-7-1	32-2-0
2-0-0	5-7-12	5-2-13	5-2-13	5-2-13	5-2-13	5-6-15

4x6 =

Scale = 1:71.8



8-3-2	16-1-6	19-4-8	23-11-10	32-2-0
8-3-2	7-10-4	3-3-2	4-7-2	8-2-6

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [8:0-0-0,0-0-6], [11:0-2-8,0-3-0], [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	0.31	Vert(LL)	-0.09	9-52	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	9-52	>757	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 293 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 5-12, 6-12, 4-12

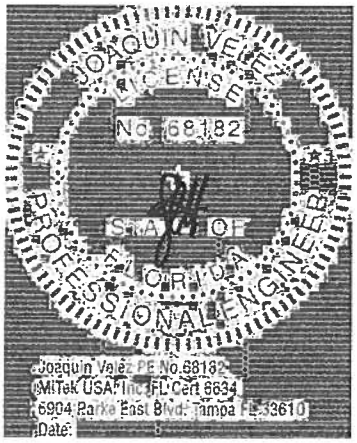
REACTIONS. All bearings 19-4-8 except (jt=length) 8=0-3-8, 10=0-3-8.
(lb) - Max Horz 2=222(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 16
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 17, 18, 19, 10 except 2=350(LC 21), 12=1128(LC 1), 16=458(LC 21), 8=534(LC 22), 2=329(LC 1)

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

TOP CHORD	6-7=-469/142, 7-8=-634/113
BOT CHORD	8-9=-12/489
WEBS	5-12=-480/18, 6-12=-555/228, 6-9=-74/467, 7-9=-321/182, 3-16=-290/180

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=32ft; 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) 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 studs spaced at 2-0-0 oc.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 16, 2.
9) 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.



December 17,2019

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T03	Common	6	1	T18919946
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:12 2019 Page 1
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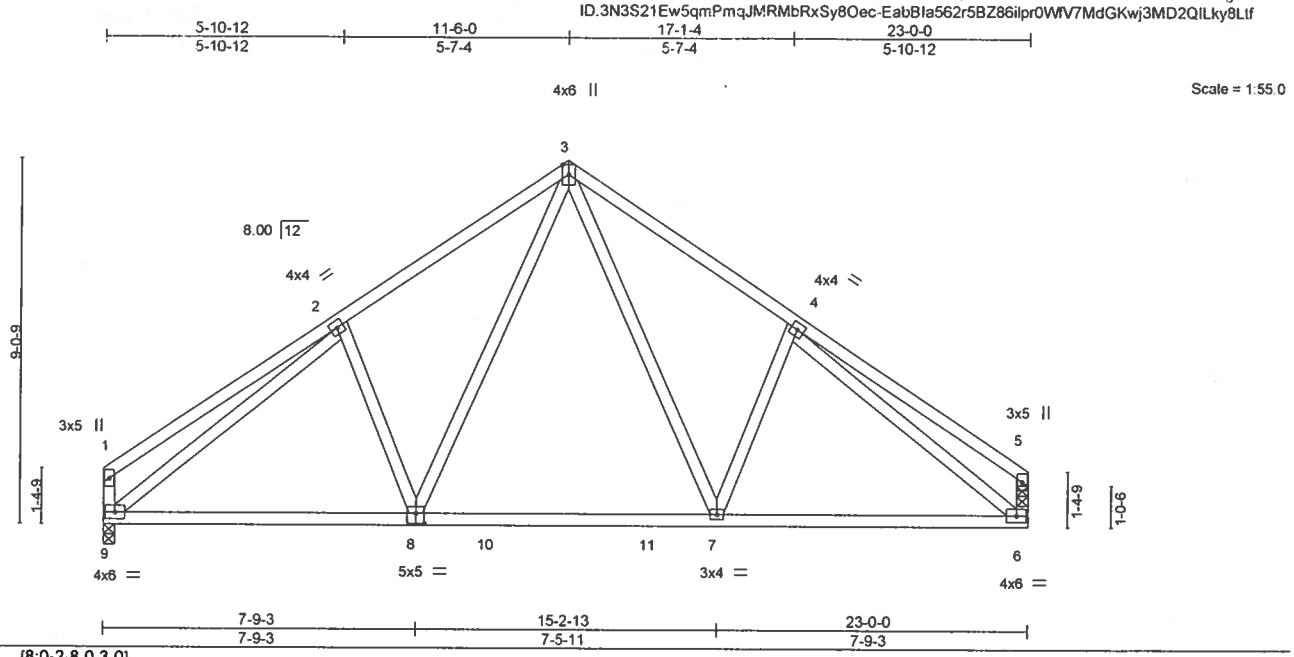


Plate Offsets (X,Y)-- [8:0-2-8,0-3-0]

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	0.36	Vert(LL)	-0.15	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.21	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 142 lb	FT = 0%

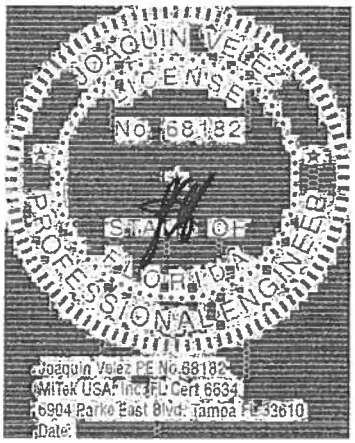
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 9=908/0-3-8, 5=908/0-3-8
Max Horz 9=-172(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-306/140, 2-3=-994/301, 3-4=-994/301, 4-5=-309/141, 1-9=-284/127, 5-6=-34/652
BOT CHORD 8-9=-123/899, 7-8=-6/645, 6-7=-119/815
WEBS 3-7=-101/449, 3-8=-101/449, 2-9=-899/115, 4-6=-895/115

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, with BCDL = 10.0psf.
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.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



December 17,2019

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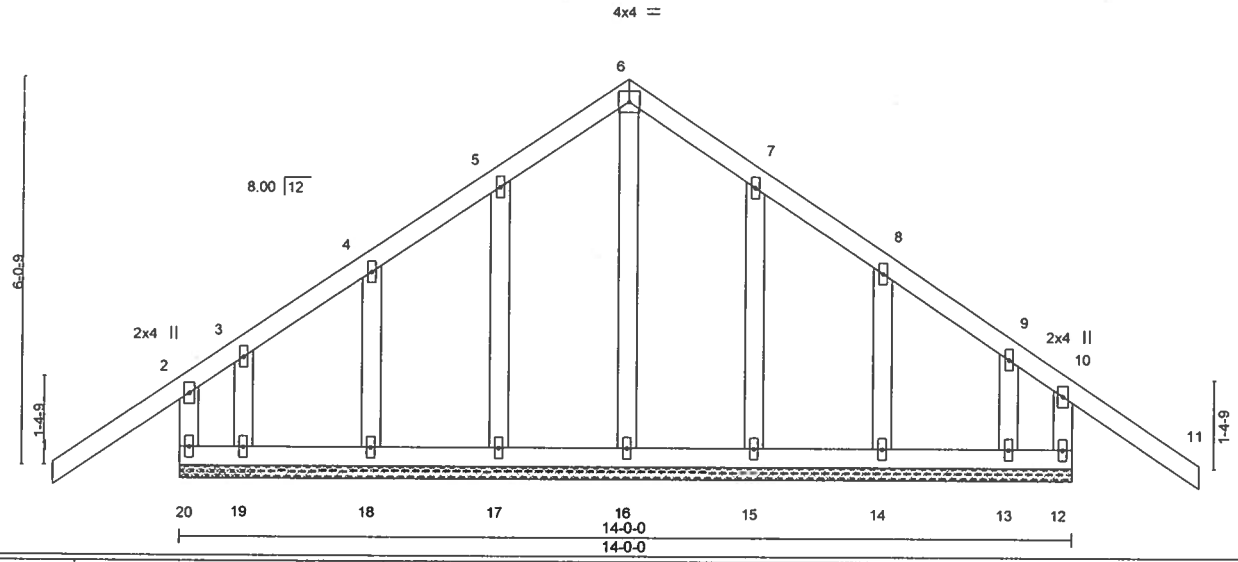
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantley_Stevens	T03GE	Common Supported Gable	1	1	T18919947
					Job Reference (optional)

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:13 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-in9aWw6kp8D2BIhuJWNF3t2Jx0kyfMLVRiAltAy8Lte

-2-0-0 2-0-0 | 7-0-0 7-0-0 | 14-0-0 7-0-0 | 16-0-0 2-0-0

Scale = 1:34.7



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL) -0.03 11 n/r 120	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.06	Vert(CT) -0.05 11 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) -0.00 12 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-R		Weight: 90 lb FT = 0%

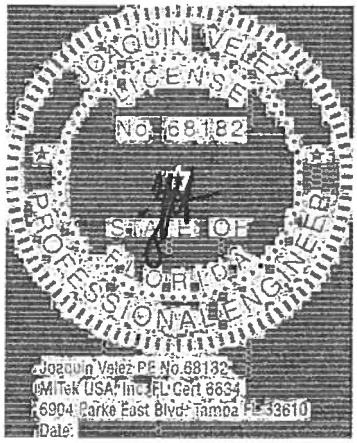
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz 20=-143(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 19, 15, 14, 13 except 20=-117(LC 12), 12=-117(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 16, 17, 18, 19, 15, 14, 13 except 20=265(LC 21), 12=265(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-255/239, 10-12=-255/236

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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 19, 15, 14, 13 except (jt=lb) 20=117, 12=117.



December 17,2019

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919948
Brantley_Stevens	T04	Piggyback Base Supported Gable	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:15 2019 Page 1
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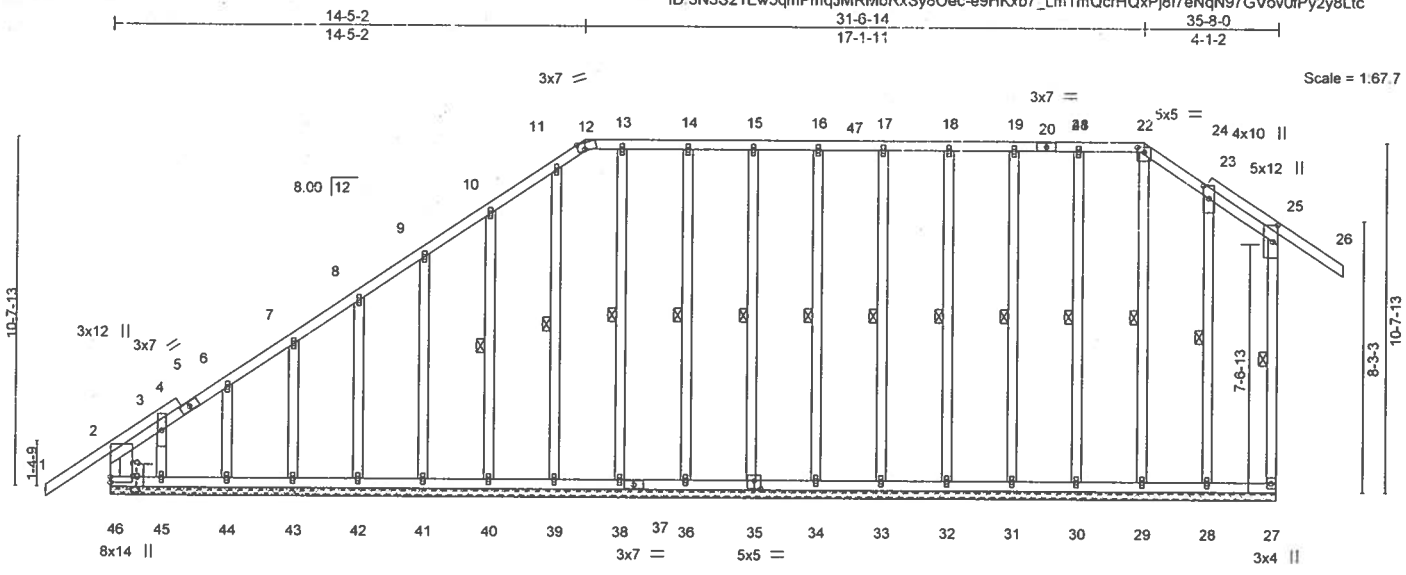

Plate Offsets (X,Y)-- [2:0-1-3,0-1-12], [12:0-2-8,Edge], [22:0-2-8,0-1-13], [24:0-4-11,0-2-0], [25:0-6-0,0-1-12], [35:0-2-8,0-3-0], [46:0-0-0,0-1-12]

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	0.38	Vert(LL)	-0.03	25-26	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	25-26	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	-0.00	27	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 344 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 25-27, 22-29, 21-30, 19-31, 18-32, 17-33, 16-34, 15-35, 14-36, 13-38, 11-39, 10-40, 24-28

REACTIONS. All bearings 35-8-0.
(lb) - Max Horz 46=308(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 31, 34, 36, 39, 40, 41, 42, 43, 44, 28 except 46=-111(LC 10), 27=-175(LC 12), 45=-157(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 29, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 28 except 46=400(LC 18), 27=281(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-46=-331/145, 2-3=-331/413, 3-6=-230/326, 6-7=-226/292, 10-11=-234/264, 11-12=-224/251, 12-13=-216/252, 13-14=-216/252, 14-15=-216/252, 15-16=-215/252, 16-17=-215/252, 17-18=-215/252, 18-19=-215/252, 19-21=-215/252, 21-22=-215/252, 22-24=-241/275, 24-25=-251/265, 25-27=-338/257

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=36ft; 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) Provide adequate drainage to prevent water ponding.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31, 34, 36, 39, 40, 41, 42, 43, 44, 28 except (jt=lb) 46=111, 27=175, 45=157.

December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantley_Stevens	T04GE	Common Supported Gable	1	1	T18919949
					Job Reference (optional)

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:17 2019 Page 1
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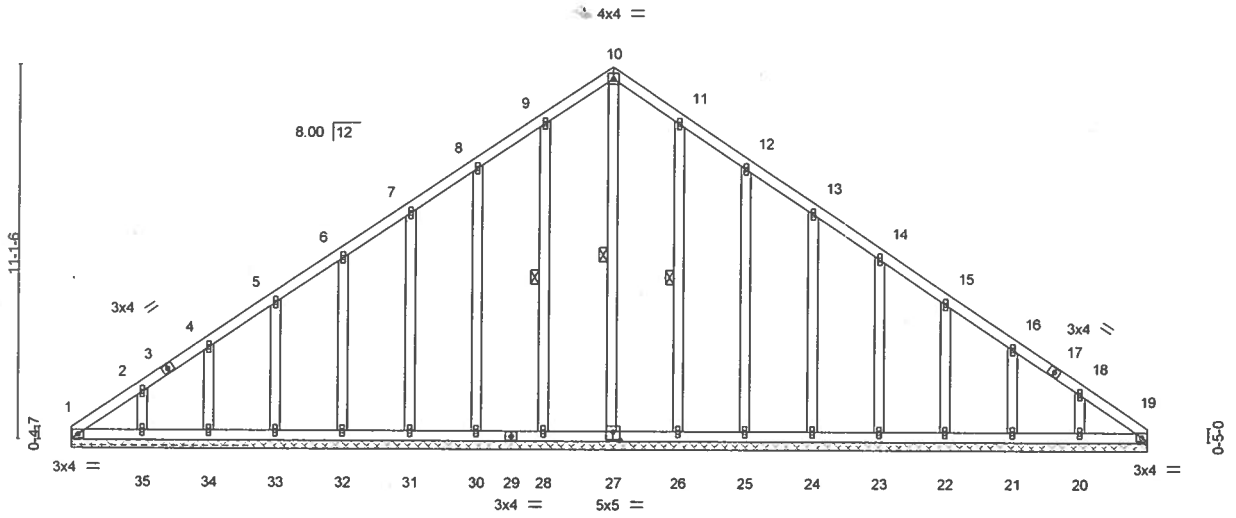
16-1-6 | 32-2-0
16-1-6 | 16-0-10

Scale = 1:66.0



32-2-0
32-2-0

Plate Offsets (X,Y)-- [27:0-2-8,0-3-0]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	19	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 230 lb	FT = 0%

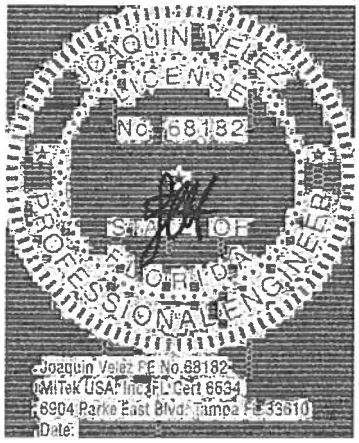
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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.
WEBS 1 Row at midpt 10-27, 9-28, 11-26

REACTIONS. All bearings 32-2-0.
(lb) - Max Horz 1=206(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 28, 30, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 19
Max Grav All reactions 250 lb or less at joint(s) 1, 27, 28, 30, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 19

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-227/254, 10-11=-228/255

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=32ft; 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 studs spaced at 2-0-0 oc.
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) 1, 28, 30, 31, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 19.
9) na



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919950
Brantely_Stevens	T05	ATTIC	6	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:19 2019 Page 1

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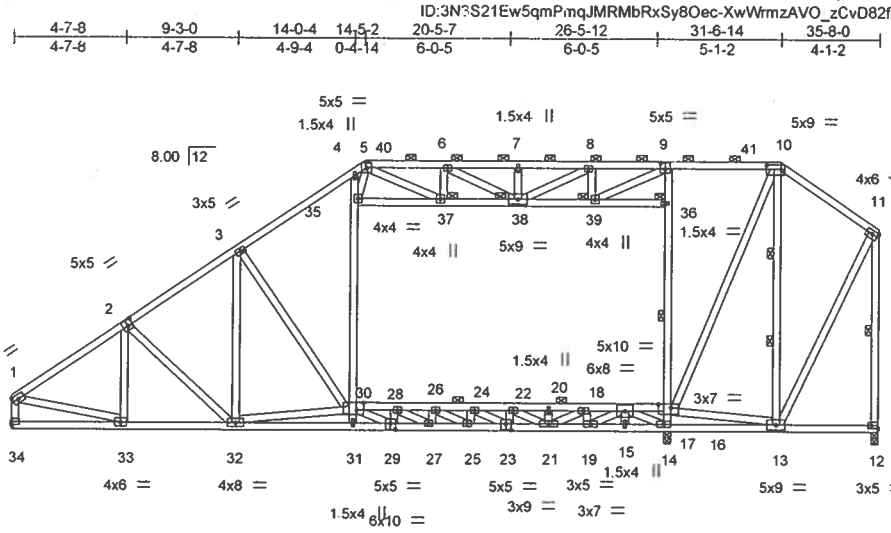


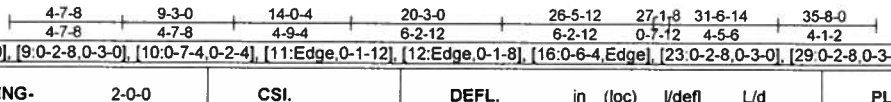


Plate Offsets (X,Y)-- [2:0-2-8,0-3-0], [9:0-2-8,0-3-0], [10:0-7-4,0-2-4], [11:Edge,0-1-12], [12:Edge,0-1-8], [16:0-6-4,Edge], [23:0-2-8,0-3-0], [29:0-2-8,0-3-0], [30:0-3-8,Edge]

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	0.62	Vert(LL)	-0.22	28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.47	28	>691	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.11	16-30	1336	360	Weight: 342 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, and 2-0-0 oc purlins (3-7-6 max.): 5-10.
BOT CHORD	Rigid ceiling directly applied. Except: 2-2-0 oc bracing: 16-30
WEBS	1 Row at midpt 16-36, 11-12 2 Rows at 1/3 pts 10-13
JOINTS	1 Brace at Jt(s): 36, 37, 38, 39

REACTIONS. (lb/size) 34=1738/Mechanical, 14=-147/0-3-8, 12=1916/0-3-8
Max Horz 34=292(LC 11)
Max Uplift 14=-257(LC 18)
Max Grav 34=1985(LC 18), 14=140(LC 23), 12=2289(LC 18)

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

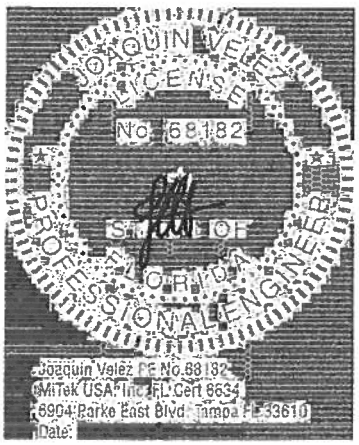
TOP CHORD 1-2=-2446/55, 2-3=-2576/85, 3-4=-2403/61, 4-5=-2313/184, 5-6=-2342/295, 6-7=-2476/357, 7-8=-2476/357, 8-9=-2262/285, 9-10=-1900/107, 10-11=-1006/175, 1-34=-1929/63, 11-12=-2236/128

BOT CHORD 33-34=-420/491, 32-33=-354/2109, 31-32=-433/2201, 29-31=-462/2287, 27-29=-146/2876, 25-27=0/3152, 23-25=0/3123, 21-23=0/2773, 19-21=0/1250, 15-19=-353/133, 14-15=-353/133, 13-14=-1527/0, 28-30=-839/138, 26-28=-1251/0, 24-26=-1426/0, 22-24=-1228/0, 20-22=-671/341, 18-20=-671/341, 17-18=-352/1009, 16-17=0/3940

WEBS 30-35=0/830, 14-16=0/1320, 16-36=-703/201, 9-36=-598/209, 26-27=-255/54, 10-13=-2002/141, 37-38=-203/626, 38-39=-182/515, 11-13=-95/1813, 28-29=-473/2, 18-19=-679/0, 29-30=0/959, 27-28=-59/611, 23-24=-396/85, 21-22=-692/0, 17-19=0/1596, 18-21=0/1171, 14-17=-1938/0, 13-16=0/2372, 10-16=-23/2612, 6-37=-257/119, 8-38=-86/291, 9-39=-189/623, 3-30=-416/218, 2-33=-405/49, 1-33=0/1892, 30-32=-319/286, 5-37=-223/698, 5-35=-37/791

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=36ft; 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 3x4 MT20 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) Ceiling dead load (5.0 psf) on member(s). 35-37, 37-38, 38-39, 36-39; Wall dead load (5.0psf) on member(s).30-35, 16-36
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-30, 26-28, 24-26, 22-24, 20-22, 18-20, 17-18, 16-17
9) Refer to girder(s) for truss to truss connections.



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Continued on page 2

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T05	ATTIC	6	1	T18919950
					Job Reference (optional)

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=257.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	T05GE	Common Supported Gable	1	1	Job Reference (optional)	T18919951

Mayo Truss Company, Inc., Mayo, FL - 32066 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:20 2019 Page 1
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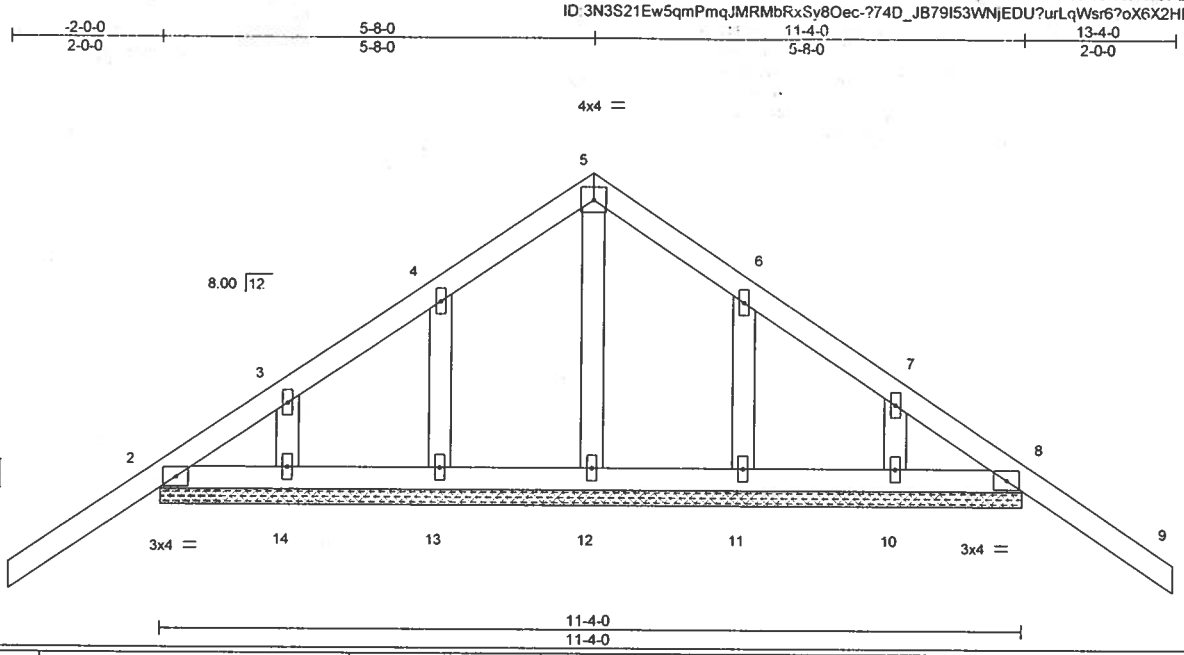


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.03	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.04	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 60 lb	FT = 0%

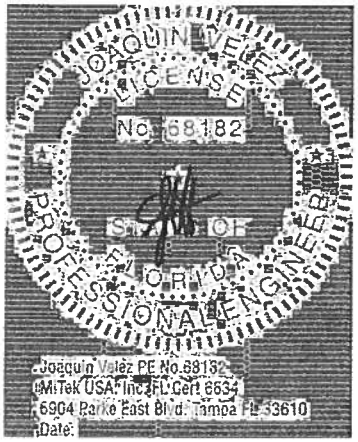
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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 11-4-0.
(lb) - Max Horz 2=-94(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 11
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 14, 11, 10 except 2=268(LC 1), 8=268(LC 1)

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, 8, 13, 11.



December 17,2019

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	T06	Attic	1	2	Job Reference (optional)	T18919952

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:22 2019 Page 1
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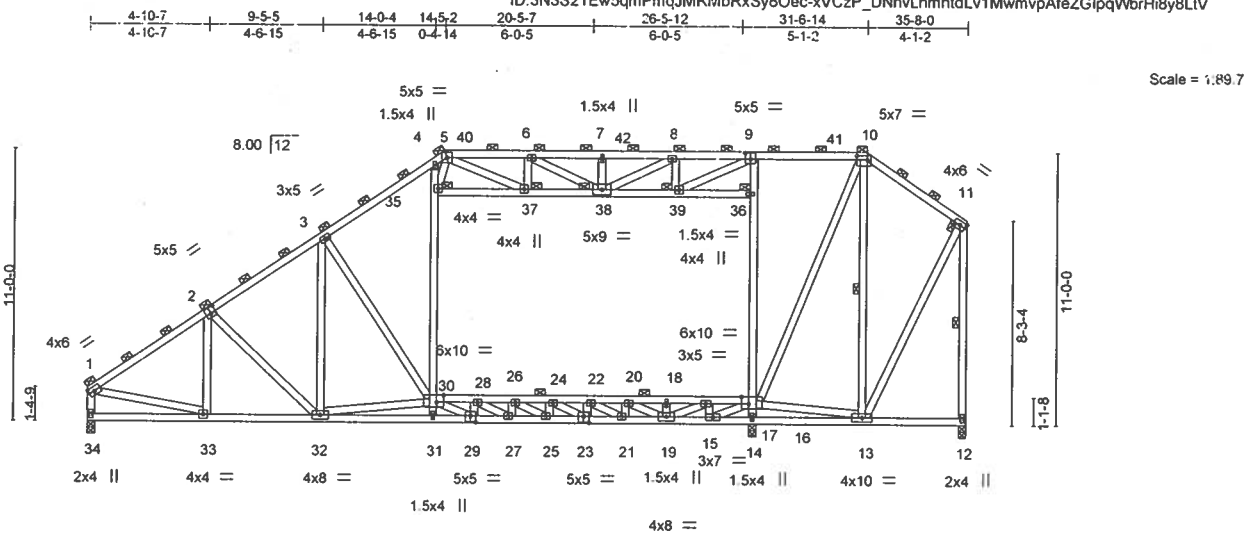


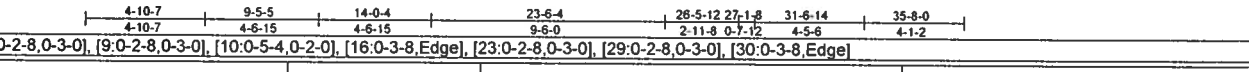


Plate Offsets (X,Y)– [2:0-2-8,0-3-0], [9:0-2-8,0-3-0], [10:0-5-4,0-2-0], [16:0-3-8,Edge], [23:0-2-8,0-3-0], [29:0-2-8,0-3-0], [30:0-3-8,Edge]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.17	28	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.35	28	>927	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.08	16-30	1799	360	Weight: 686 lb	FT = 0%

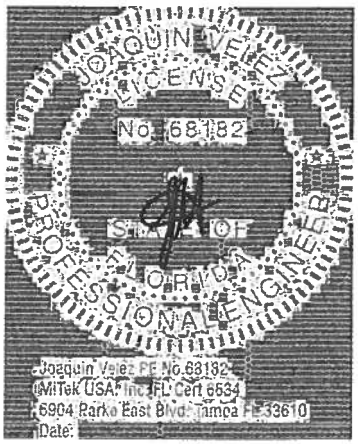
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-19,14-15,13-14.
6-0-0 oc bracing: 16-30
WEBS 1 Row at midpt 10-13, 11-12
JOINTS 1 Brace at Jt(s): 5, 10, 35, 36, 1, 11, 37, 38, 39

REACTIONS. (lb/size) 34=2606/0-3-8, 14=-218/0-3-8, 12=2871/0-3-8
Max Horz 34=438(LC 11)
Max Uplift 14=-393(LC 18)
Max Grav 34=2979(LC 18), 14=210(LC 23), 12=3438(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3711/80, 2-3=-3863/130, 3-4=-3602/91, 4-5=-3523/272, 5-6=-3520/448, 6-7=-3707/533, 7-8=-3707/533, 8-9=-3387/422, 9-10=-2855/158, 10-11=-1512/254, 1-34=-2898/95, 11-12=-3368/193
BOT CHORD 33-34=-628/704, 32-33=-523/3199, 31-32=-659/3310, 29-31=-702/3437, 27-29=-238/4302, 25-27=0/4726, 23-25=0/4715, 21-23=0/4241, 19-21=0/3464, 15-19=-461/223, 14-15=-2740/0, 13-14=-2305/0, 28-30=-1242/225, 26-28=-1833/0, 24-26=-2131/0, 22-24=-1913/0, 20-22=-1103/453, 18-20=-539/1352, 17-18=-539/1352, 16-17=-250/3315
WEBS 2-33=-576/78, 3-32=-126/281, 3-30=-627/331, 30-35=0/1246, 4-35=-203/324, 37-38=-311/948, 38-39=-270/761, 14-16=-108/749, 16-36=-1058/305, 9-36=-900/316, 10-16=-35/3923, 10-13=-3001/199, 1-33=0/2907, 11-13=-135/2732, 18-19=-291/0, 28-29=-716/3, 26-27=-398/76, 22-23=-44/324, 20-21=0/506, 15-17=-1409/0, 29-30=0/1416, 27-28=-78/926, 25-26=-307/339, 23-24=-517/138, 21-22=-1059/7, 19-20=-1576/0, 17-19=0/2463, 15-16=0/2858, 6-37=-391/180, 7-38=-285/126, 8-39=-367/160, 8-38=-134/441, 9-39=-278/922, 13-16=0/3591, 30-32=-509/439, 5-35=-53/1284, 5-37=-342/1080

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=36ft; 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
5) Provide adequate drainage to prevent water ponding.



December 17,2019

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantley_Stevens	T06	Attic	1	2	T18919952
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:22 2019 Page 2
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-xVCzP_DNhvLnmhtdLv1MwmvpAfeZGlpqWbrHi8y8LIV

NOTES-

6) All plates are 3x4 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 35-37, 37-38, 38-39, 36-39; Wall dead load (5.0psf) on member(s).30-35, 16-36
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-30, 26-28, 24-26, 22-24, 20-22, 18-20, 17-18, 16-17
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=393.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919953
Brantely_Stevens	T07	ATTIC	1	2	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:23 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-PimLcKE?SDUdNqSpucYbT_Szs2x6?h8zIFbqEby8LtU

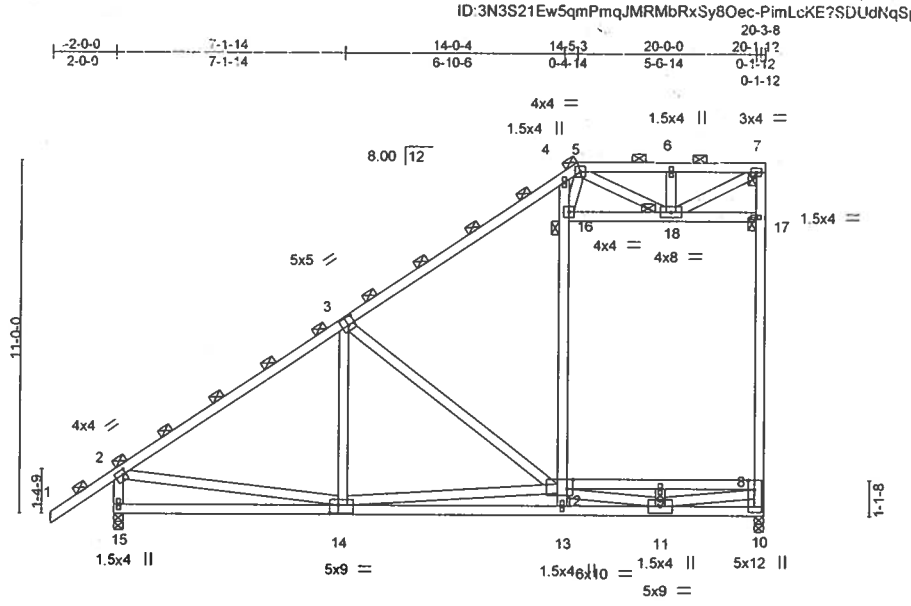


Plate Offsets (X,Y)-- [2:0-1-0,0-1-12], [3:0-2-8,0-3-0], [10:0-0-0,0-1-12], [10:0-3-8,Edge], [12:0-2-4,Edge], [14:0-3-4,0-3-0]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.20	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.46	13-14	>527	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.09	8-12	762	360	Weight: 360 lb	FT = 0%

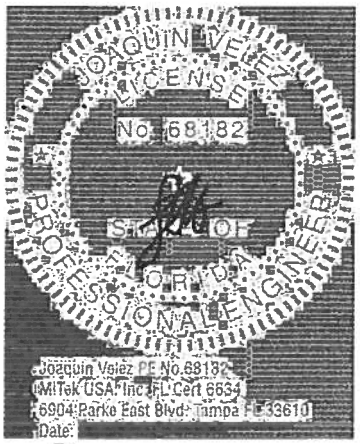
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.
JOINTS 1 Brace at Jt(s): 5, 16, 17, 2, 18, 7

REACTIONS. (lb/size) 15=1495/0-3-8, 10=1710/0-3-8
Max Horz 15=456(LC 12)
Max Grav 15=1495(LC 1), 10=2114(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1538/0, 3-4=-479/0, 4-5=-746/262, 5-6=-426/71, 6-7=-426/71, 2-15=-1415/169
BOT CHORD 14-15=-664/682, 13-14=-681/5517, 11-13=-767/6087, 10-11=-863/88, 9-12=-3604/121, 8-9=-3615/123
WEBS 3-14=0/714, 3-12=-1203/372, 12-16=-338/283, 4-16=-516/564, 8-10=-2052/0, 8-17=-647/98, 7-17=-501/106, 16-18=0/471, 17-18=-504/53, 2-14=0/1009, 6-18=-294/136, 7-18=-125/857, 5-18=-279/0, 5-16=-281/425, 9-11=-407/13, 11-12=-2524/657, 8-11=-229/4721, 12-14=-4318/351

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) 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
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) Ceiling dead load (5.0 psf) on member(s). 16-18, 17-18; Wall dead load (5.0psf) on member(s).12-16, 8-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-12, 8-9
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T08	ATTIC	2	2	T19919954
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066. 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:25 2019 Page 1
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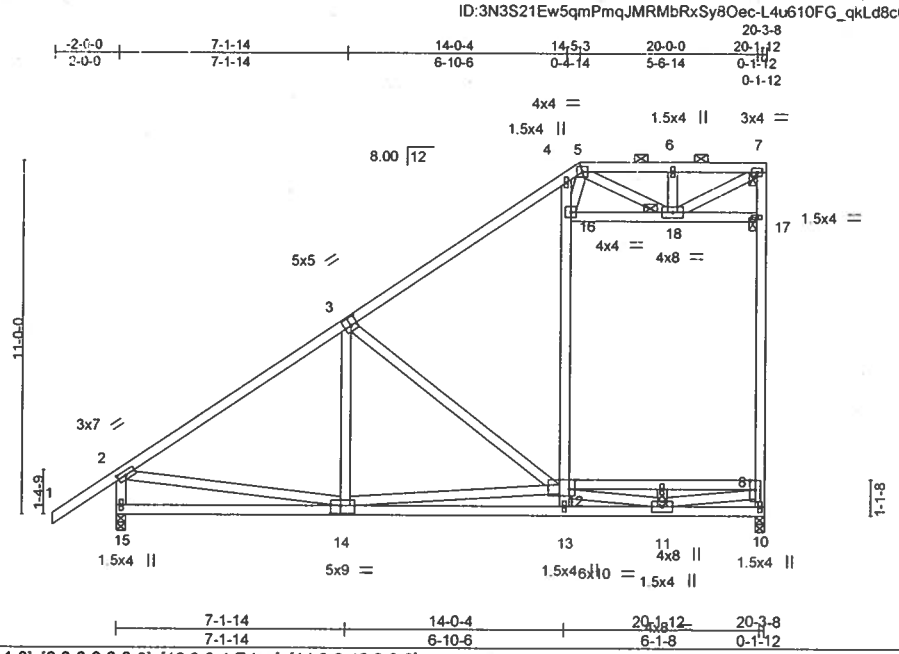


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [3:0-2-8,0-3-0], [12:0-2-4,Edge], [14:0-3-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.13	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.30	13-14	>790	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	0.06	8-12	1143	360	Weight: 360 lb	FT = 0%

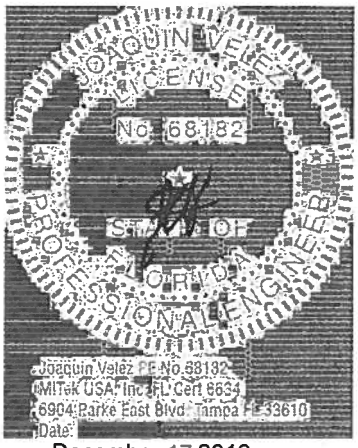
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.
JOINTS 1 Brace at Jt(s): 17, 18, 7

REACTIONS. (lb/size) 15=997/0-3-8, 10=1140/0-3-8
Max Horz 15=304(LC 12)
Max Grav 15=997(LC 1), 10=1409(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1026/0, 3-4=-319/0, 4-5=-497/175, 5-6=-284/47, 6-7=-284/47, 2-15=-943/112
BOT CHORD 14-15=-443/455, 13-14=-454/3678, 11-13=-511/4058, 10-11=-575/58, 9-12=-2402/81, 8-9=-2410/82
WEBS 3-14=0/476, 3-12=-802/248, 4-16=-344/376, 8-10=-1368/0, 8-17=-431/65, 7-17=-334/71, 16-18=0/314, 17-18=-336/35, 2-14=0/672, 7-18=-83/571, 5-16=-188/283, 9-11=-271/8, 11-12=-1682/438, 8-11=-152/3147, 12-14=-2879/234

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) 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
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) Ceiling dead load (5.0 psf) on member(s). 16-18, 17-18; Wall dead load (5.0psf) on member(s).12-16, 8-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 9-12, 8-9
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.



December 17,2019

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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 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T09	PIGGYBACK BASE	4	1	T18919955
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:25 2019 Page 1
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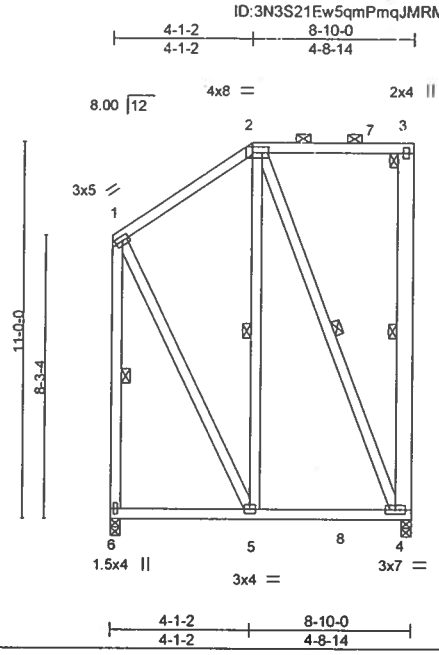


Plate Offsets (X,Y)-- [2:0-5-12,0-2-0]

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	0.38	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.03	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 109 lb	FT = 0%

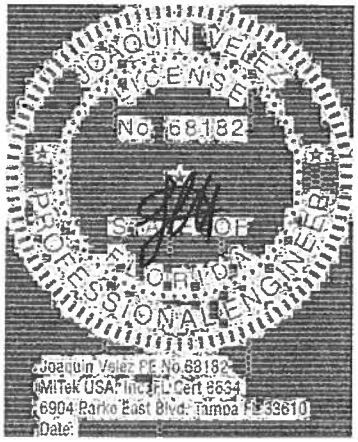
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
3-4: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-4, 2-5, 2-4, 1-6

REACTIONS. (lb/size) 6=338/0-3-8, 4=338/0-3-8
Max Horz 6=64(LC 12)
Max Uplift 4=-71(LC 12)
Max Grav 6=338(LC 1), 4=378(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-307/0

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 ;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) 4.
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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 17,2019

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919956
Brantely_Stevens	T10	Common	4	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:26 2019 Page 1
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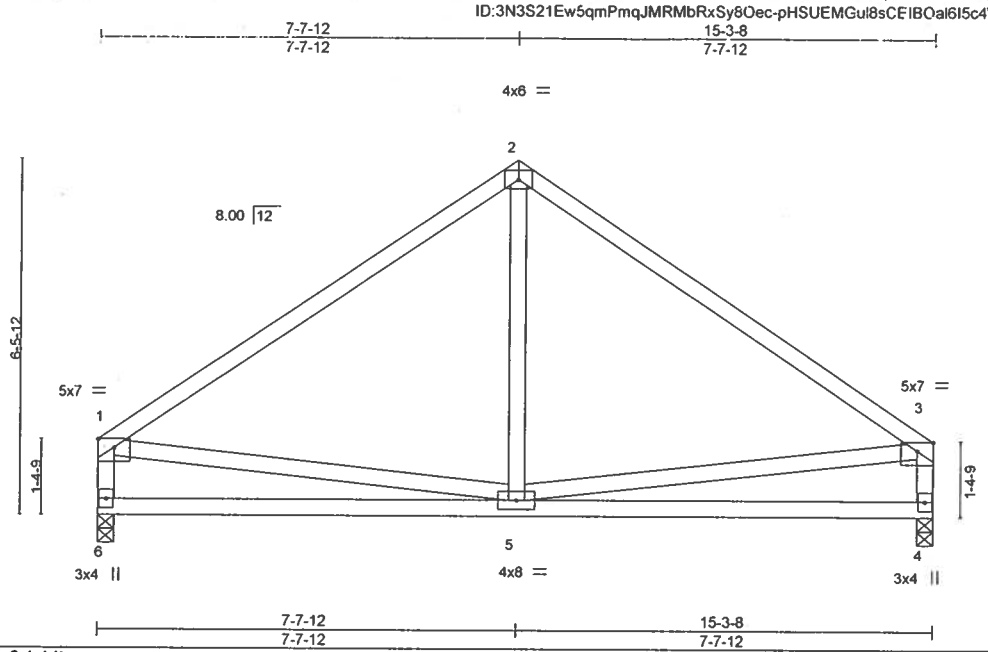


Plate Offsets (X,Y)-- [1:Edge,0-1-14]

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	0.50	Vert(LL)	0.10	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.11	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 84 lb	FT = 0%

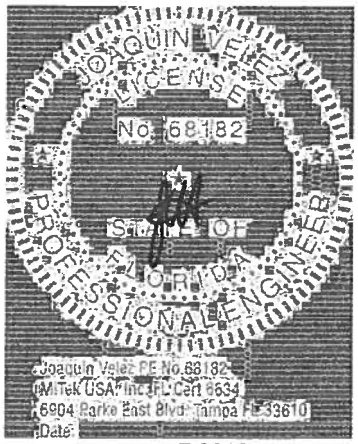
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 6=600/0-3-8, 4=600/0-3-8
Max Horz 6=125(LC 11)
Max Uplift 6=-129(LC 12), 4=-129(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-625/463, 2-3=-625/463, 1-6=-530/345, 3-4=-530/346
BOT CHORD 5-6=-259/290
WEBS 2-5=-293/278

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; porch 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) except (jt=lb) 6=129, 4=129.
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.

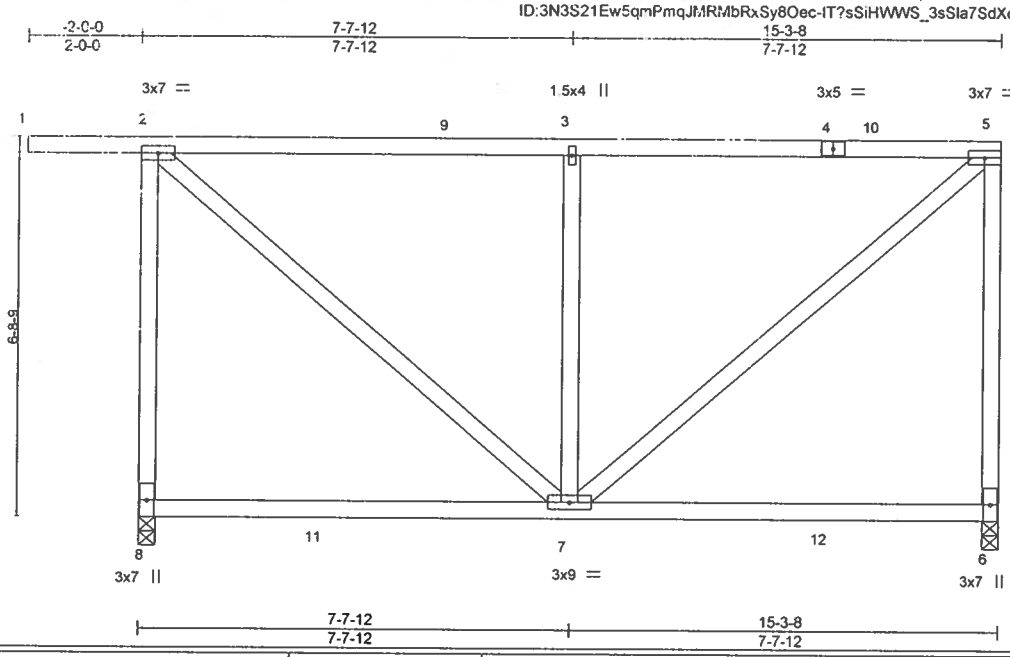


December 17,2019

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	T11	Flat	1	1	Job Reference (optional)	T18919957

Mayo Truss Company, Inc., : Mayo, FL - 32066 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:27 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-IT?sSiHWWS_3sSla7SdXdqdeogPfxUYZftZ2NMy8LtQ



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)	0.15	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 104 lb	FT = 0%

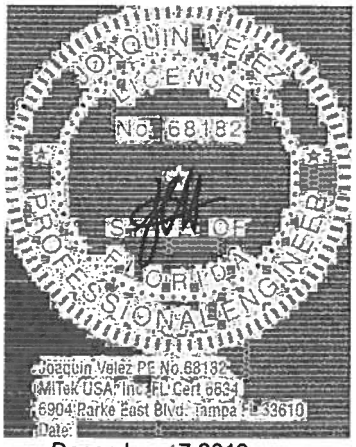
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 8=738/0-3-8, 6=591/0-3-8
Max Horz 8=-180(LC 8)
Max Uplift 8=-234(LC 8), 6=-178(LC 9)
Max Grav 8=738(LC 1), 6=608(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-671/546, 2-3=-410/375, 3-5=-410/375, 5-6=-523/455
BOT CHORD 7-8=-268/274
WEBS 2-7=-558/518, 3-7=-502/239, 5-7=-553/509

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=234, 6=178.
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.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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6904 Parke East Blvd.
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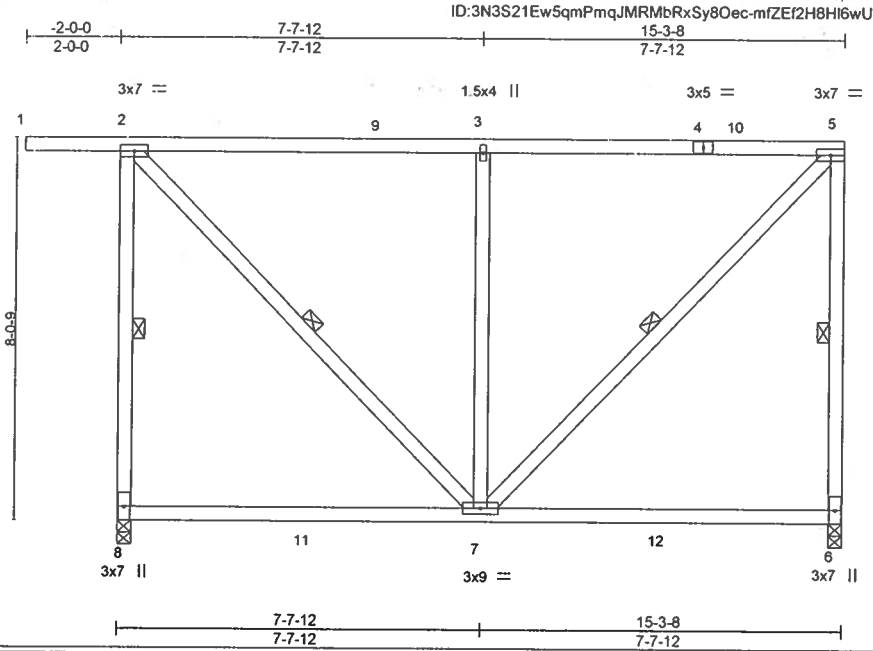
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley
Brantely_Stevens	T12	Flat	1	1	T18919958
					Job Reference (optional)

Mayo Truss Company, Inc. Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:28 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-mfZEf2H8Hl6wUcKnhA8mA19pR3log15iuXIbvcy8LtP



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)	0.16	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.15	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 113 lb	FT = 0%

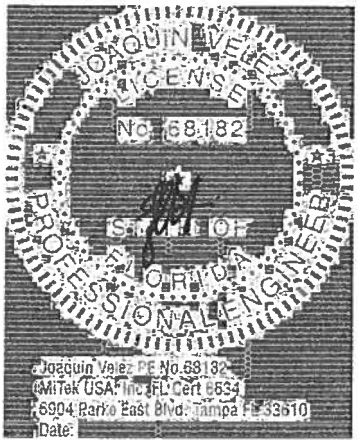
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8, 5-6, 2-7, 5-7

REACTIONS. (lb/size) 8=738/0-3-8, 6=591/0-3-8
Max Horz 8=-217(LC 8)
Max Uplift 8=-252(LC 8), 6=-195(LC 9)
Max Grav 8=753(LC 2), 6=630(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-672/581, 2-3=-340/320, 3-5=-340/320, 5-6=-524/489
BOT CHORD 7-8=-329/338
WEBS 2-7=-557/472, 3-7=-505/238, 5-7=-552/464

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=252, 6=195.
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.

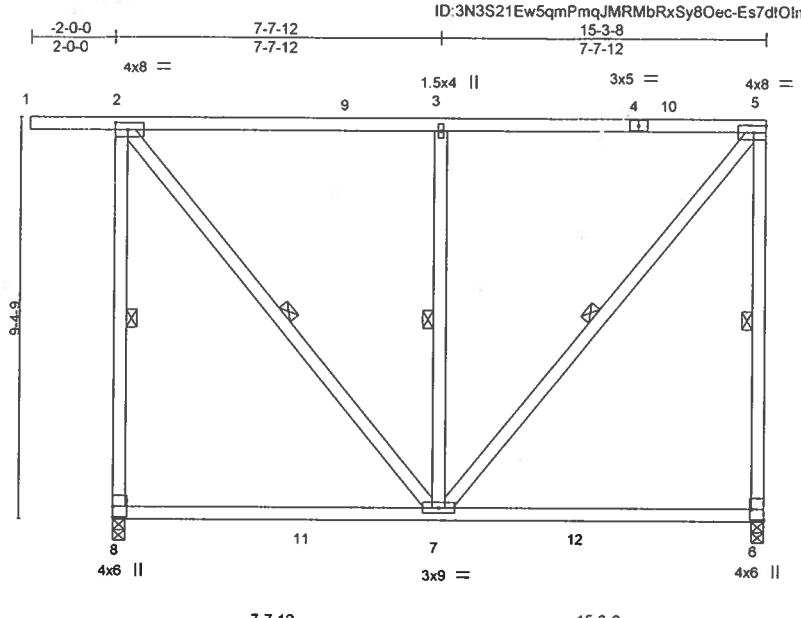


December 17,2019

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	T13	Flat	1	1	Job Reference (optional)	T18919959

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:29 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-Es7dtOlm23En5lvzFtf?jFizIT4LPX7s7B28SEy8LtO



Scale = 1:51.9

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

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	0.60	Vert(LL)	0.19	7-8	>968	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.17	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 122 lb	FT = 0%

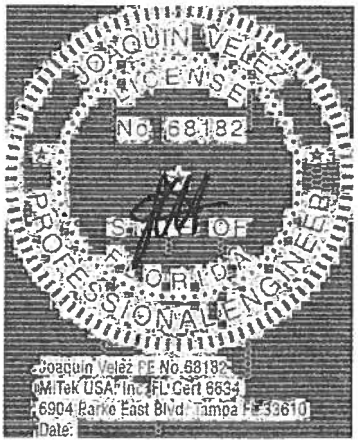
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8, 5-6, 2-7, 3-7, 5-7

REACTIONS. (lb/size) 8=738/0-3-8, 6=591/0-3-8
Max Horz 8=255(LC 9)
Max Uplift 8=-273(LC 8), 6=-216(LC 9)
Max Grav 8=769(LC 2), 6=646(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-673/621, 2-3=-296/282, 3-5=-296/282, 5-6=-525/529
BOT CHORD 7-8=-390/401
WEBS 2-7=-576/456, 3-7=-507/236, 5-7=-571/447

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=273, 6=216.
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.



December 17,2019

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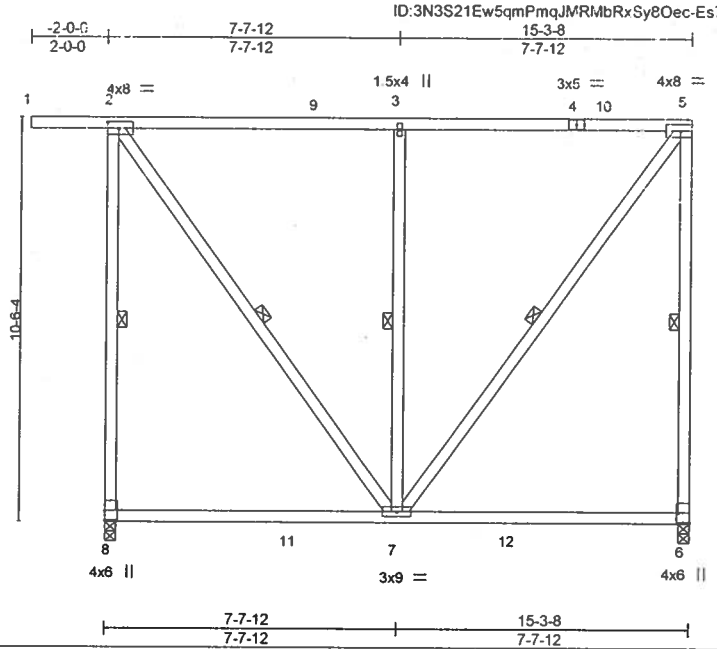
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919960
Brantely_Stevens	T14	Flat	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., - Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc Mon Dec 16 15:18:29 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-Es7dtOIm23En5lvzFtf?jFixFT4IPWws7B28SEy8LtO



Scale = 1:57.8

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

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	0.74	Vert(LL)	0.21	7-8	>867	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.18	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 129 lb	FT = 0%

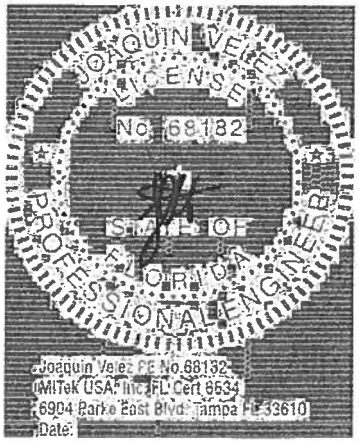
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-8, 5-6, 2-7, 3-7, 5-7

REACTIONS. (lb/size) 8=738/0-3-8, 6=591/0-3-8
Max Horz 8=-287(LC 8)
Max Uplift 8=-294(LC 8), 6=-237(LC 9)
Max Grav 8=779(LC 2), 6=656(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-673/660, 2-3=-269/258, 3-5=-269/258, 5-6=-525/568
BOT CHORD 7-8=-441/454
WEBS 2-7=-603/488, 3-7=-509/234, 5-7=-598/479

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=294, 6=237.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Tampa, FL 36610

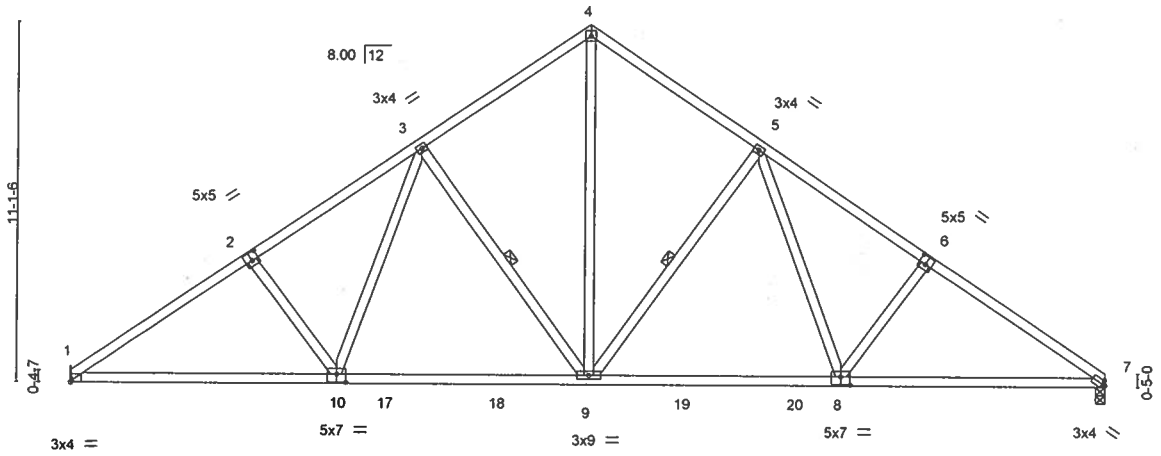
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919961
Brantely_Stevens	T15	Common	9	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:30 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-i2h?4kJOoNMejvU9pbAEFSFDbtO98xa?Mrni_hy8LtN

5-7-12	10-10-9	16-1-6	21-4-4	26-7-1	32-2-0
5-7-12	5-2-13	5-2-13	5-2-13	5-2-13	5-6-15

4x4 =

Scale = 1:68.6



8-3-2	16-1-6	23-11-10	32-2-0
8-3-2	7-10-4	7-10-4	8-2-6

Plate Offsets (X,Y)-- [1:0-0-3,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-1-3,0-1-8], [8:0-3-8,0-3-0], [10:0-3-8,0-3-0]

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	0.31	Vert(LL)	-0.15	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.27	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 182 lb	FT = 0%

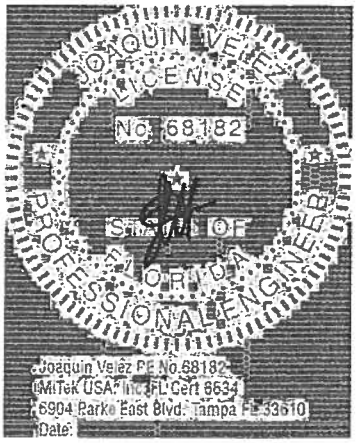
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-9, 3-9

REACTIONS. (lb/size) 1=1287/Mechanical, 7=1287/0-3-8
Max Horz 1=-205(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1976/353, 2-3=-1829/382, 3-4=-1279/361, 4-5=-1279/361, 5-6=-1816/380, 6-7=-1979/350
BOT CHORD 1-10=-211/1742, 9-10=-84/1398, 8-9=-84/1304, 7-8=-208/1586
WEBS 4-9=-260/1063, 5-9=-571/218, 5-8=-57/491, 6-8=-304/181, 3-9=-578/219, 3-10=-60/507, 2-10=-315/183

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=32ft; 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, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
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.



December 17,2019

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Tampa, FL 36610

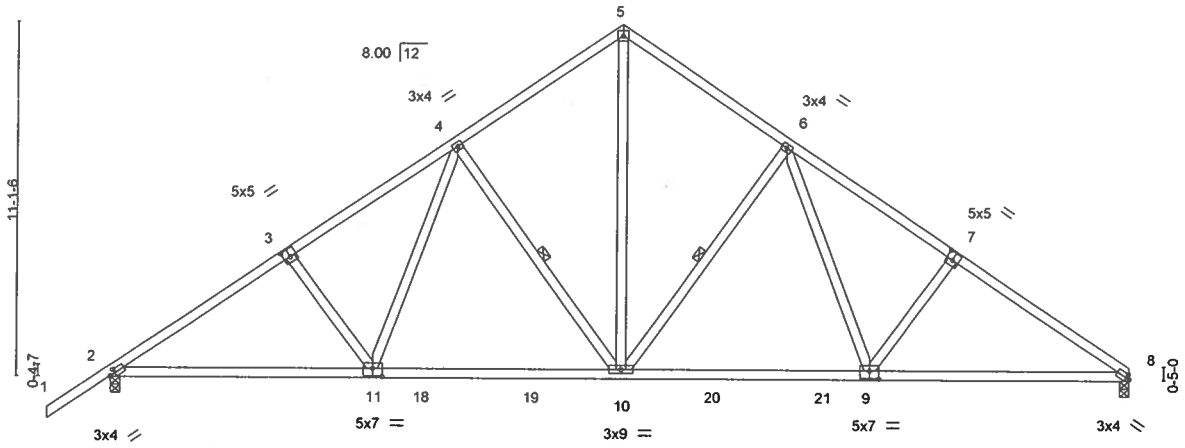
Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	T18919962
Brantley_Stevens	T16	Common	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:31 2019 Page 1
ID:3N3S21Ew5qmPmqJMRMbRxSy8Oec-AEFNI3K0ZgUVL33MMIhTognOuHkatOw9aVXFW7y8LtM

2-0-0	5-7-12	10-10-9	16-1-6	21-4-4	26-7-1	32-2-0
2-0-0	5-7-12	5-2-13	5-2-13	5-2-13	5-2-13	5-6-15

4x4 =

Scale = 1:69.8



8-3-2	16-1-6	23-11-10	32-2-0
8-3-2	7-10-4	7-10-4	8-2-6

Plate Offsets (X,Y)-- [2:0-2-0,0-1-8], [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [8:0-1-3,0-1-8], [9:0-3-8,0-3-0], [11:0-3-8,0-3-0]

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	0.28	Vert(LL)	-0.15	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.27	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 186 lb	FT = 0%

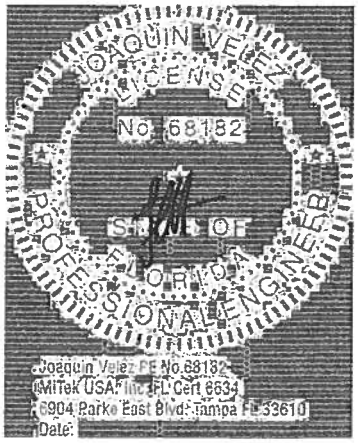
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-10, 4-10

REACTIONS. (lb/size) 2=1410/0-3-8, 8=1283/0-3-8
Max Horz 2=222(LC 11)
Max Uplift 2=-51(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1966/339, 3-4=-1805/368, 4-5=-1275/358, 5-6=-1273/358, 6-7=-1812/376, 7-8=-1972/347
BOT CHORD 2-11=-195/1714, 10-11=-79/1387, 9-10=-81/1299, 8-9=-206/1580
WEBS 5-10=-257/1059, 6-10=-571/218, 6-9=-57/491, 7-9=-304/181, 4-10=-568/214, 4-11=-47/484, 3-11=-320/173

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=32ft; 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, 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.
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.



December 17,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE 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.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Stevens Brantley	
Brantely_Stevens	T17	Flat Girder	1	1	Job Reference (optional)	T18919963

Mayo Truss Company, Inc. Mayo, FL - 32066. 8.240 s Dec 6 2019 MiTek Industries, Inc. Mon Dec 16 15:18:32 2019 Page 1
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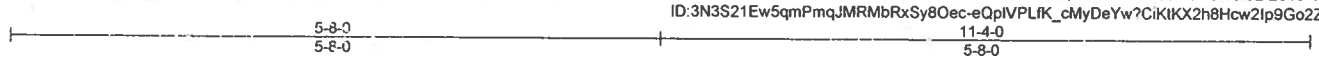

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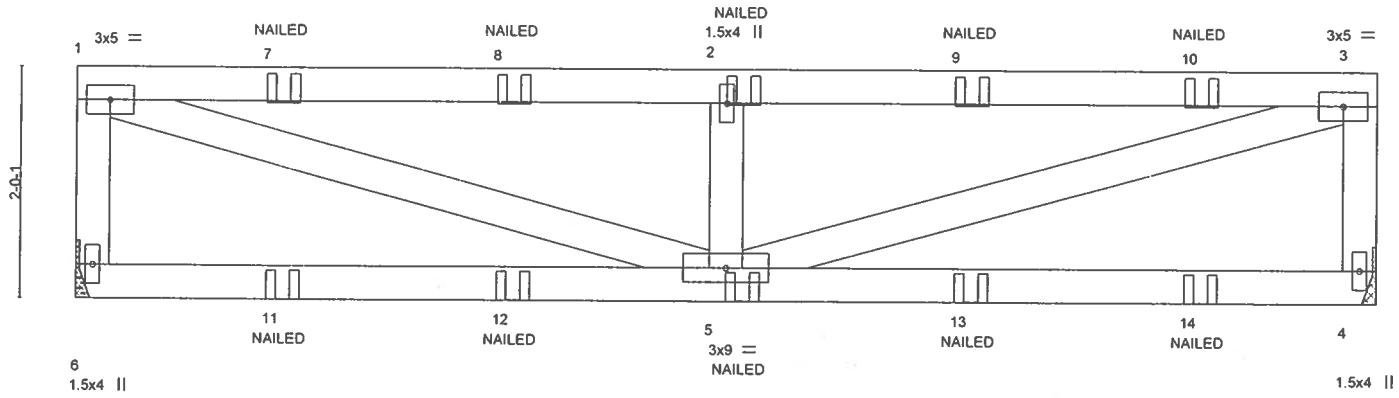
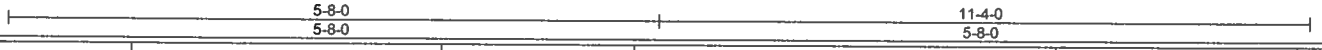




LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.08	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 56 lb	FT = 0%

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

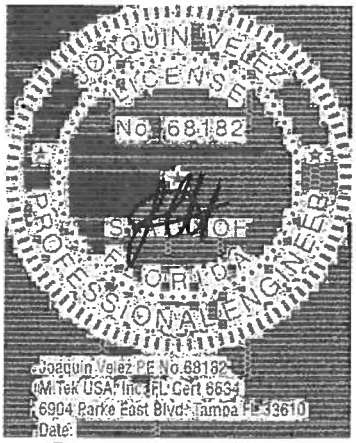
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=514/Mechanical, 4=518/Mechanical
Max Horz 6=-48(LC 19)
Max Uplift 6=-83(LC 4), 4=-86(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-450/89, 1-2=-990/173, 2-3=-990/173, 3-4=-453/89
WEBS 1-5=-172/961, 2-5=-432/99, 3-5=-171/961

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) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.
7) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-9(F) 2=-21(F) 7=-21(F) 8=-21(F) 9=-21(F) 10=-21(F) 11=-9(F) 12=-9(F) 13=-9(F) 14=-9(F)



December 17,2019

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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.

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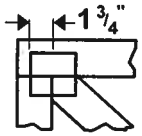
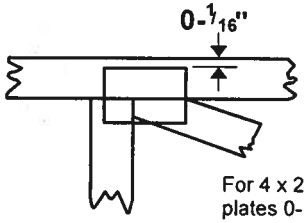
Symbols

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

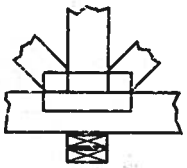
4 x 4

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

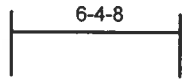


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

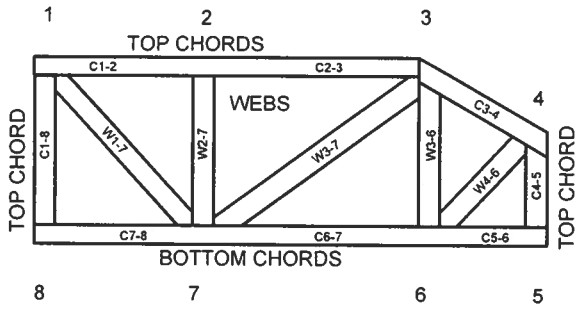
Industry Standards:

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



dimensions shown in ft-in-sixteenths
(Drawings not to scale)



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

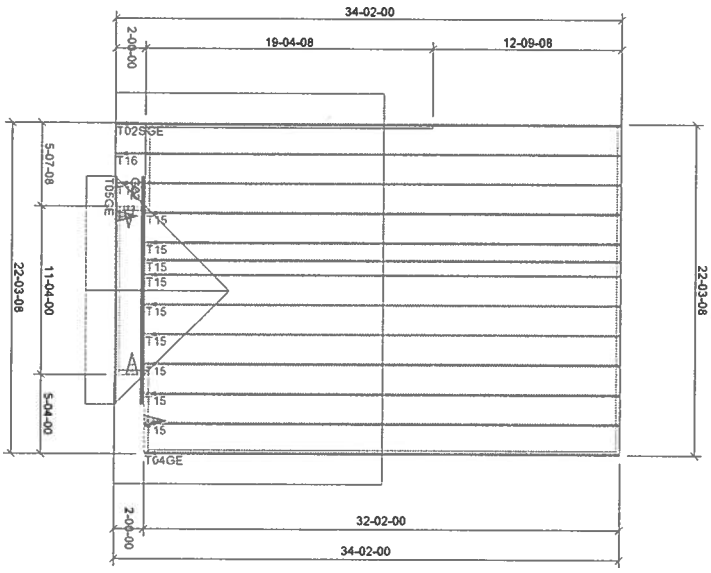
Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

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

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.



Stevens Brantley	Roof Loading TC Live: 20.00 psf TC Dead: 10.00 psf BC Live: 0.00 psf BC Dead: 10.00 psf Spacing: 2.00 O.C.	Client: IND-RES Date: 12/17/2019 Quote Date: / / Seal Date: / / Designer: Jason DeGroff Job Number: 1119-013	Mayo Truss Company Inc. Ph. (386) 294-3988 Fax (386) 294-3981 mayotruss@windstream.net