need mvo plans

Columbia County New Building Permit Application

187

For Office Use Only Application # 44265 Date Received 1/7 By MG Permit # 39283/39284

Zoning Official LW/LH Date 1-8-20 Flood Zone X Land Use RLD Zoning RSF-2

FEMA Map # ______ Elevation ______ MFE ______ River ______ Plans Examiner T.C. Date 1-30-20

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

was never Recvn.

Septic Permit No. 19-0562 OR City Water ☒ Fax ______

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

Address Po Box 1921 Lake City FL 32056

Owners Name Deloris Holloway Phone 904-838-6695

911 Address 192 SW Newlywed Ct Lake City FL 32025

Contractors Name Adam Papka Phone 386-623-2383

Address Po Box 1921 Lake City FL 32056

Contractor Email adam@adamsconstructiongroup.com ***include to get updates on this job.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address

Architect/Engineer Name & Address Nicholas Geisler

Mortgage Lenders Name & Address NA

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

Property ID Number 14-4S-16-02973-104 Estimated Construction Cost 130,000

Subdivision Name Hunnington Place Lot 4 Block ____ Unit ____ Phase 1

Driving Directions from a Major Road Sisters Welcome South to Hope Henry, go (R) Go 1/2 Mile turn into Subdivision, 4th lot on (L)

Construction of New home ______ Commercial OR ☒ Residential

Proposed Use/Occupancy Single Family Number of Existing Dwellings on Property 0

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

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

Actual Distance of Structure from Property Lines - Front 34 Side 32 Side 32 Rear 93

Number of Stories 1 Heated Floor Area 1669 Total Floor Area 2311 Acreage 0.51 AC

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

JW spoke Adam 2.5.20, sent email 3.6.20

Columbia County Building Permit Application

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

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

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

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

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

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

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

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

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

Delores Holloway — **Print Owners Name**

Delores G Holloway — **Owners Signature**

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

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

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

Contractor's Signature

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

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7th **day of** January **20**20.

Personally known ☐ **or Produced Identification** FLDL

State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC STATE OF FLORIDA
LAURIE HODSON
MY COMMISSION # FF 976102
EXPIRES: July 14, 2020
Bonded Thru Notary Public Underwriters

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1907-44 JOB NAME Holloway

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.

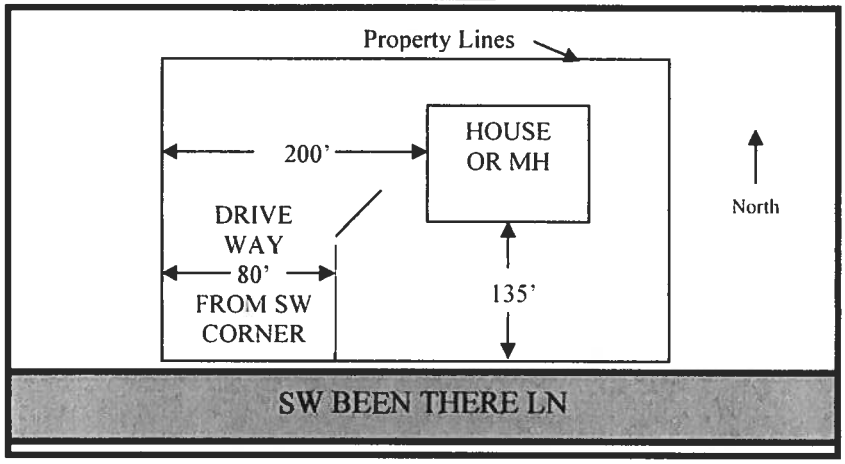
Violations will result in stop work orders and/or fines.

			Need
ELECTRICAL 380 ☑ CC# 380	Print Name DONALD DAVIS	Signature Ronald Davis	Lic Liab W/C EX DE
	Company Name: HIGH SPRINGS ELECTRIC		
	License # EC13002306	Phone #: 386-623-0499	
MECHANICAL/ A/C B ☑ CC# 802	Print Name CLINT WILSON	Signature Clint Wilson	Lic Liab W/C EX DE
	Company Name: WILSON HEATING & AIR CONDITIONING		
	License #: BAC057886	Phone #: 386-623-0618	
PLUMBING/ GAS ☑ CC# 714	Print Name MARC B BARRS	Signature Marc Barrs	Lic Liab W/C EX DE
	Company Name: BARRS PLUMBING		
	License #: CFC057219	Phone #: 752-8656	
ROOFING ☑ CC# 494	Print Name CALEB LAUGHLIN	Signature Caleb Laughlin	Lic Liab W/C EX DE
	Company Name: Precision Exteriors LLC		
	License #: CCC1327718	Phone #: 752-4032	
~~ROOFING SHEET METAL~~ NA CC#	Print Name ADAM'S CONSTRUCTION	Signature	Lic Liab W/C EX DE
	Company Name: ADAM PAPKA		
	License #: CBC1253409	Phone #:	
FIRE SYSTEM/ SPRINKLER NA CC#	Print Name	Signature	Lic Liab W/C EX DE
	Company Name:		
	License#:	Phone #:	
SOLAR NA CC#	Print Name	Signature	Lic Liab W/C EX DE
	Company Name:		
	License #:	Phone #:	
STATE SPECIALTY NA CC#	Print Name	Signature	Lic Liab W/C EX DE
	Company Name:		
	License #:	Phone #:	

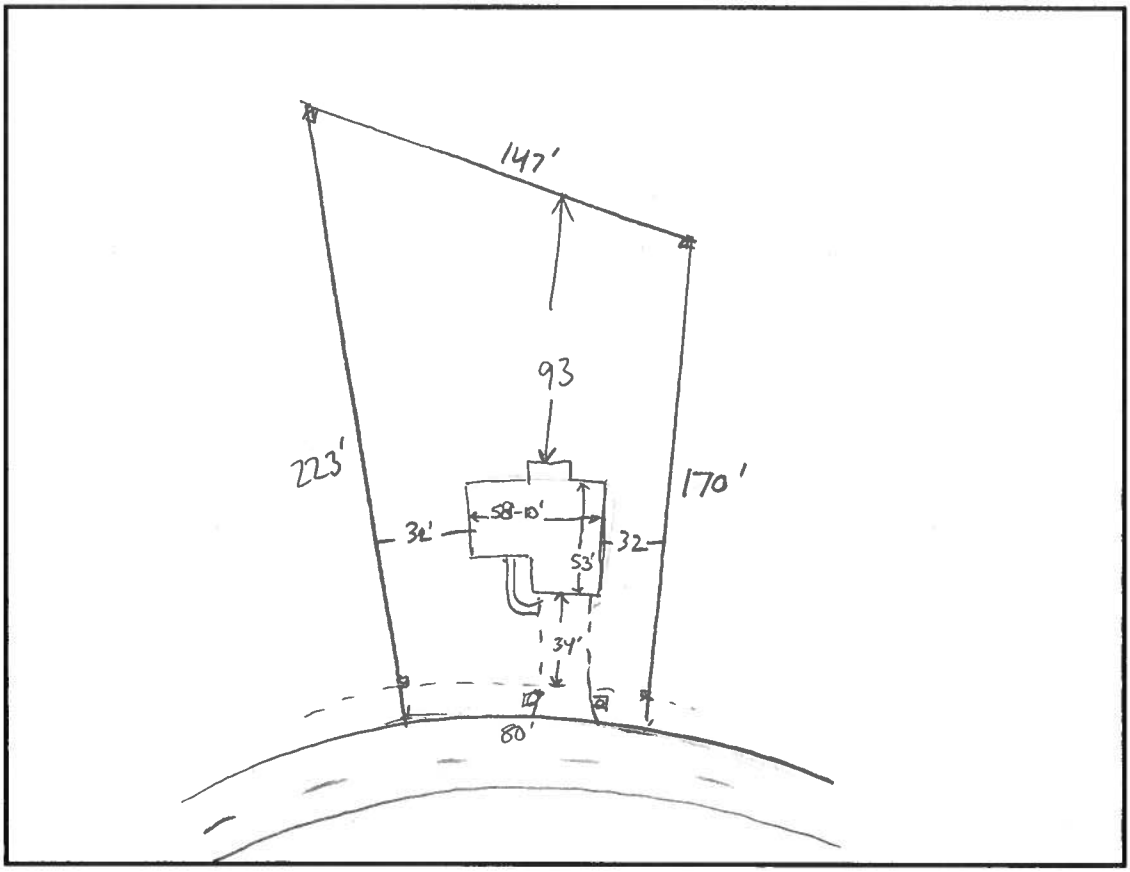
Page 2, Site Plan for 9-1-1 Address Application From

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

SAMPLE:



SITE PLAN BOX:



COLUMBIA COUNTY 9-1-1 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787
Telephone: (386) 758-1125 * FAX (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Address Assignment Data for Hunnington Place Phase 1 Subdivision
Section 14, Township 4 South, Range 16 East

LOT #:	ADDRESS:
1	152 SW NEWLYWED CT
2	166 SW NEWLYWED CT
3	178 SW NEWLYWED CT
4	192 SW NEWLYWED CT
5	208 SW NEWLYWED CT
6	230 SW NEWLYWED CT
7	254 SW NEWLYWED CT
8	278 SW NEWLYWED CT
9	302 SW NEWLYWED CT
10	324 SW NEWLYWED CT
11	331 SW NEWLYWED CT
12	325 SW NEWLYWED CT
13	315 SW NEWLYWED CT
14	299 SW NEWLYWED CT
15	281 SW NEWLYWED CT
16	259 SW NEWLYWED CT
17	239 SW NEWLYWED CT
18	217 SW NEWLYWED CT

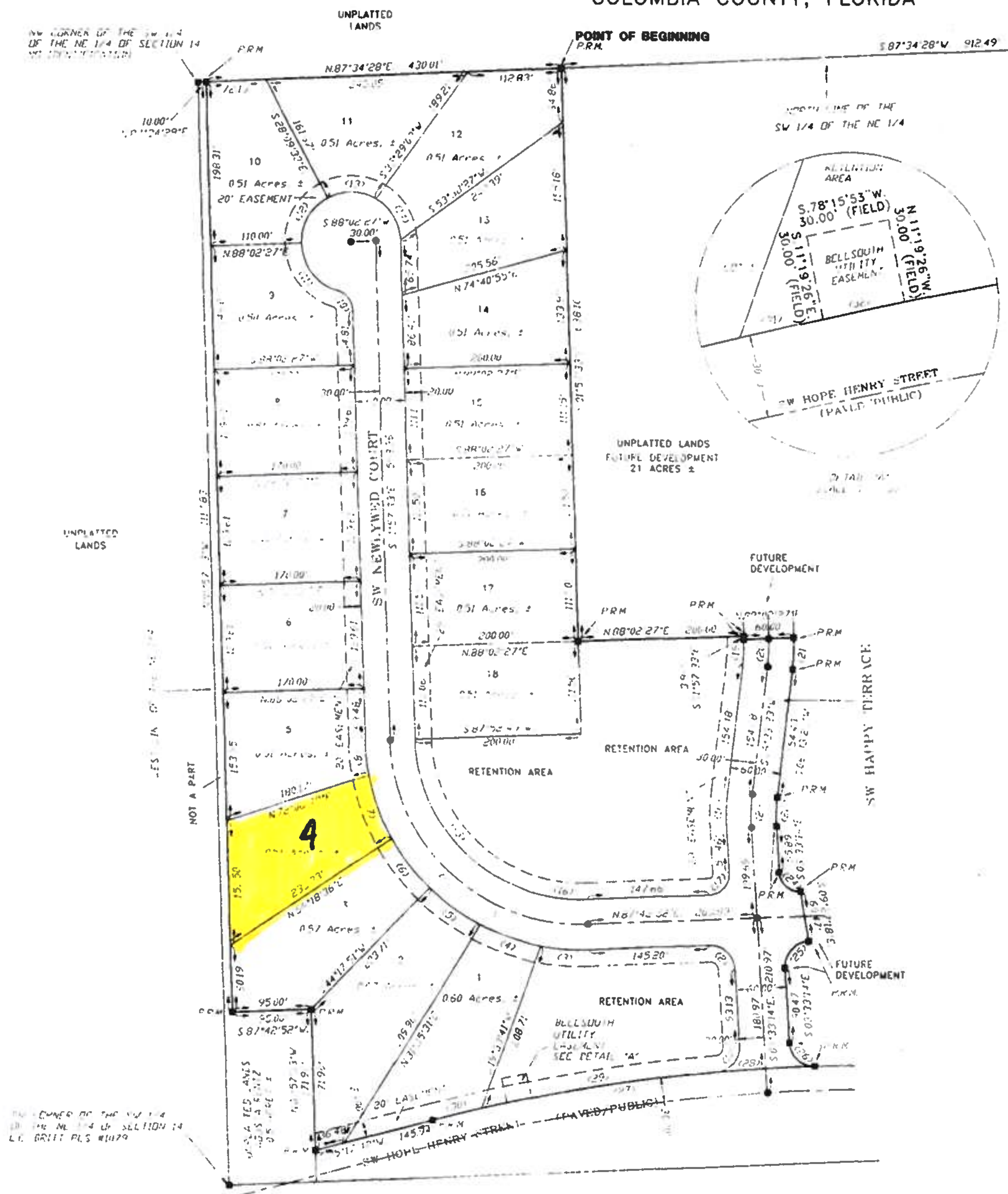
Please contact us at Telephone Number 758-1125 if there are any questions concerning the addressing of this subdivision.

OFFICIAL RECORDS
BOOK___PAGE___
1098/2018

"HUNNINGTON PLACE PHASE 1"

SECTION 14, TOWNSHIP 4 SOUTH, RANGE 16 EAST,
COLUMBIA COUNTY, FLORIDA

PLAT BOOK 8
PAGES 123
SHEET 2 OF 2



S Y M B O L   L E G E N D

PRM	PERMANENT REFERENCE MONUMENT
PLS	PROFESSIONAL LAND SURVEYOR
℄	CENTERLINE
■	4"X4" CONCRETE MONUMENT
MFE	MINIMUM FLOOR ELEVATION
TYP	TYPICAL
●	PERMANENT CONTROL POINT

UNLESS OTHERWISE SHOWN HEREON ALL CORNERS [illegible]

SCALE: 1" = 100'

GRAPHIC SCALE

CURVE TABLE

NO	RADIUS	DELTA	ARC	TANGENT	CHORD	CHORD BEARING
1	30.00	88°22'42"	[illegible]	29.16	41.82	S.40°38'07"W
2	30.00'	88°43'54"	46.46	29.34'	41.95'	S.4[illegible]°55'11"E
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	260.00'	16°54'54"	76.76	38.66'	76.48	N.70°53'41"W
5	260.00'	[illegible]	[illegible]	39.24'	[illegible]	[illegible]
6	260.00	16°41'22"	75.73'	38.14'	75.47'	N 37°21'28"W
7	260.00'	17°58'31"	81.57'	41.12'	81.23	N 20°01'32"W
8	260.00	[illegible]	41.20	20.64	41.16	N 0[illegible]°29'55"W
9	230.00	90°19'35"	362.59	231.31'	326.19	N 47°07'20"W
10	[illegible]	[illegible]	31.81	16.46	[illegible]	[illegible]
11	60.00'	72°53'43"	76.34'	44.31'	71.29	N 38°24'25"W
12	[illegible]	[illegible]	[illegible]	37.35	[illegible]	[illegible]
13	60.00'	58°35'16"	61.35	33.66	58.71	S.88°51'55"E
14	60.00'	57°26'44"	60.22'	32.99'	57.82'	S 30°15'55"E
15	200.00'	72°48'38"	254.16'	147.42	237.40	S.38°21'52"E
16	200.00'	17°30'57"	61.14	30.81	60.90'	S.83°31'39"E
17	25.00	91°16'06"	39.82	25.56	35.74	S 4[illegible]°04'49"W
18	260.00'	10°06'36"	45.88'	23.00'	45.82	N.01°30'04"E
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	230.00'	08°30'56"	34.18'	17.12'	34.15	S.02°17'55"W
21	260.00'	[illegible]	39.54'	19.36	39.61'	[illegible]
22	200.00	10°06'36"	35.29'	17.69	35.24	S 01°30'04"W
23	230.00	10°06'36"	40.58'	20.34	40.53'	N 01°30'04"E
24	25.00	88°43'54"	38.72'	24.45	34.96	S 47°55'11"E
25	30.00	91°16'06"	47.79	30.67	42.89'	S 42°04'49"W
26	30.00	[illegible]	[illegible]	[illegible]	41.82	[illegible]
27	2090.00	12°46'17"	465.86'	233.90'	464.90'	S.61°40'56"W
28	[illegible]	[illegible]	[illegible]	57.17	[illegible]	[illegible]
29	2090.00	07°51'54"	286.89'	143.67	286.67'	S 80°53'31"W
30	2090.00'	[illegible]	60.65'	[illegible]	60.65	S 76°07'41"W
31	2090.00	00°50'37"	30.78'	15.39	30.78'	N.77°23'01"E
32	2090.00	00°49'21"	30.00	15.00	30.00	N.78°12'43"E.

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

DEVELOPER:
BULLARD AND DEMUNE DEVELOPMENT
P.O. BOX 1733
LAKE CITY, FLORIDA 32056
386-755-4050

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
1426 WEST DUVAL STREET
LAKE CITY, FLORIDA 32055
TELEPHONE (386) 752-7163 FAX (386) 752-5573 WORK ORDER # L-15416

Legend

2018Aerials

2018 Flood Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

LidarElevations

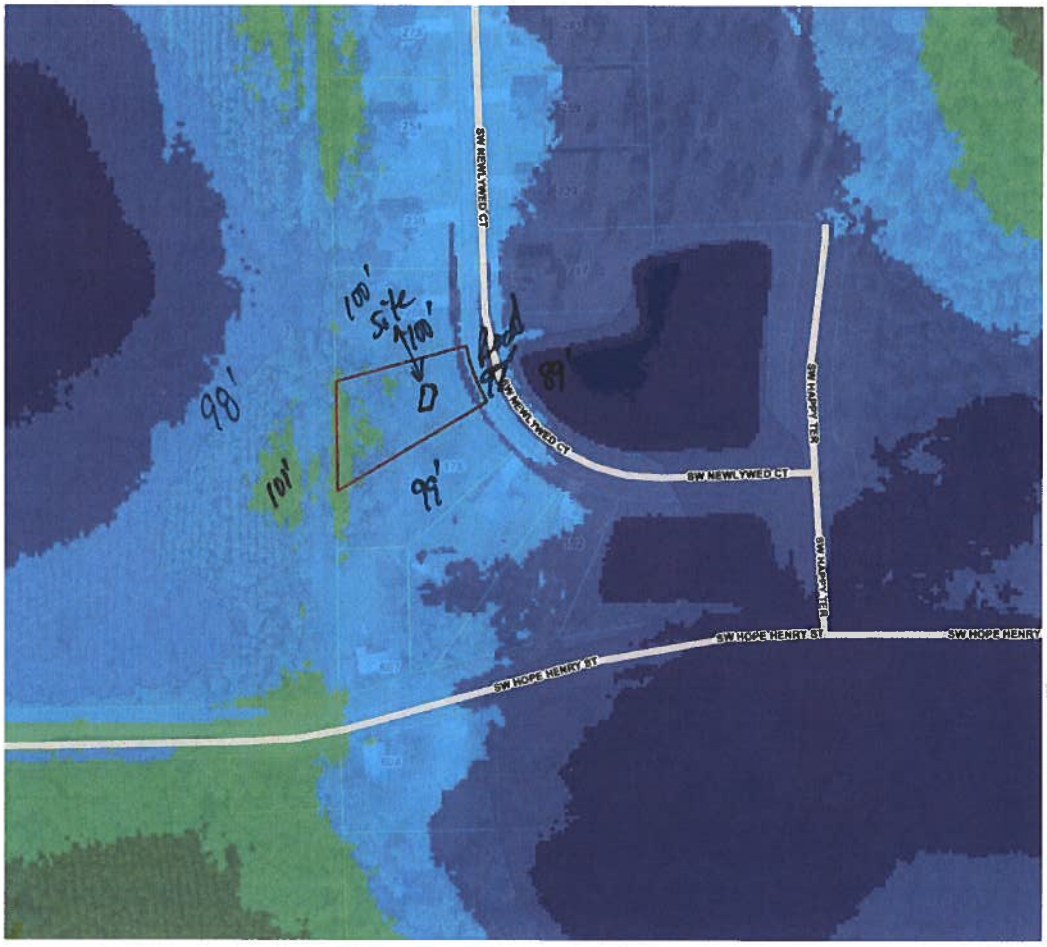
Parcels

Addresses

Roads
- Roads
- others
- Dirt
- Interstate

Columbia County, FLA - Building & Zoning Property Map

Printed: Fri Jul 19 2019 08:27:45 GMT-0400 (Eastern Daylight Time)



Parcel Information

Parcel No: 14-4S-16-02973-104

Owner: BULLARD MANAGEMENT

Subdivision: HUNNINGTON PLACE PHASE 1

Lot: 4

Acres: 0.510381

Deed Acres:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: RSF-2

Sales Price
$ 27,000.00
Doc Stamps
$ 189.00

This Instrument Prepared by & return to:
Name: ***TRISH LANG, an employee of Integrity Title Services, LLC***
Address: ***757 WEST DUVAL STREET Lake City, FL 32055 File No. 19-12028TL***

Inst: 201912030211 Date: 12/26/2019 Time: 4:20PM
Page 1 of 2 B: 1402 P: 161, P.DeWitt Cason, Clerk of Court Colu
County, By: BD
Deputy ClerkDoc Stamp-Deed: 189.00

Parcel I.D. #: ***R02973-104***

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the* ***26th*** *day of* ***December***, *A.D.* ***2019***, *by* ***BULLARD MANAGEMENT SERVICES, INC, A FLORIDA CORPORATION,*** *having its principal place of business at* ***P.O. BOX 1432, LAKE CITY, FL 32056***, *hereinafter called the grantor, to* ***DELORIS A. HOLLOWAY,*** *whose post office address is* ***156 SE PEYTON LOOP, APT. 101, LAKE CITY, FL 32025,*** *hereinafter called the grantee:*

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

Witnesseth: *That the grantor, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in* ***Columbia County, State of Florida***, *viz:*

See Exhibit "A"

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

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

And *the grantor hereby covenants with said grantee that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2019.*

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

Signed, sealed and delivered in the presence of:

Witness Signature
BRANDI BROWN
Printed Name

Witness Signature
Maria M. Landin
Printed Name

BULLARD MANAGEMENT SERVICES, INC

By: _____ *L.S.*
Name: ***CHRIS A. BULLARD***
Title: ***PRESIDENT***

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this ***26th*** *day of* ***December, 2019***, *by* ***CHRIS A. BULLARD*** *as* ***PRESIDENT*** *of* ***BULLARD MANAGEMENT SERVICES, INC***, *a Florida corporation. He (she) is personally known to me or has produced* ~~**Driver's License**~~ *as identification.*

Notary Public
My commission expires 9/16/22

Notary Public State of Florida
Maria M Landin
My Commission GG 238853
Expires 09/16/2022

Exhibit "A"

Lot 4, HUNNINGTON PLACE PHASE I, a Subdivision according to the Plat recorded at Plat Book 8, Pages 122-123, Public Records of Columbia County, Florida.

CITY OF LAKE CITY
Florida's Gateway Est. 1859

August 20, 2019

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

RE: Service Availability Letter

To Whom It May Concern,

Thank you for your inquiry regarding the availability of city utilities. The City of Lake City has potable water available to tap into at 192 SW Newlywed Ct. Parcel 14-4S-16-02973-104.

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

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

Sincerely,

Shasta Pelham
Utility Service Coordinator

Brian Scott
Director of Distribution and Collections

Columbia County Property Appraiser

Jeff Hampton

2018 Tax Roll Year
updated: 6/25/2019

Parcel: << **14-4S-16-02973-104** >>

See deed

Aerial Viewer Pictometery Google Maps

Owner & Property Info

Result: 1 of 1

Owner	~~BUILDER MANAGEMENT~~ Delores Holloway SERVICES INC P O BOX 1432 LAKE CITY, FL 320561733		
Site	192 NEWLYWED CT,		
Description*	LOT 4 HUNNINGTON PLACE PHS 1. WD 1282-2505		
Area	0.51 AC	S/T/R	14-4S-16
Use Code**	VACANT (000000)	Tax District	2

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

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (1)	$14,500	Mkt Land (1)	$16,000
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$14,500	Just	$16,000
Class	$0	Class	$0
Appraised	$14,500	Appraised	$16,000
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$14,500	Assessed	$16,000
Exempt	$0	Exempt	$0
Total Taxable	county:$14,500 city:$14,500 other:$14,500 school:$14,500	Total Taxable	county:$15,950 city:$15,950 other:$15,950 school:$16,000

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
10/14/2014	$130,000	1282/2505	WD	V	U	30

Building Characteristics

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

Extra Features & Out Buildings (Codes)

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

Land Breakdown

Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (0.510 AC)	1.00/1.00 1.00/1.00	$16,000	$16,000

Search Result: 1 of 1

by: GrizzlyLogic.com

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

PERMIT NO. 19-1569
DATE PAID: 2/27/19
FEE PAID: 512.00
RECEIPT #: 1426318
2/5/20 Amended 55.00

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

APPLICANT: Bullard Management (Adam Papka)
AGENT: Robert W Ford Jr NEST INC.
MAILING ADDRESS: 741 SE State Rd 100 Lc FLA 32025 TELEPHONE: 386 755-6372

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: 4 BLOCK: 1 SUBDIVISION: Hunnington Place
PROPERTY ID #: 14-4S-16-02973-104 ZONING: _____ PLATTED: _____
PROPERTY SIZE: .51 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD
I/M OR EQUIVALENT: [Y / N]
IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / N]
PROPERTY ADDRESS: 192 Newlywed St DISTANCE TO SEWER: 90 FT
DIRECTIONS TO PROPERTY: Hwy 90 west to Sisters Welcome Rd t/L to Hope Henry t/R to Hunnington Place t/R to Newlywed St t/L to Site on left

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	NEW Home	3	Total 2311 Revised.	H/C 1669" RW 2/5/20
2				
3				
4				

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

SIGNATURE: Robert W Ford Jr DATE: 7/15/19

RECEIVED
JUL 23 2019
By EH

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

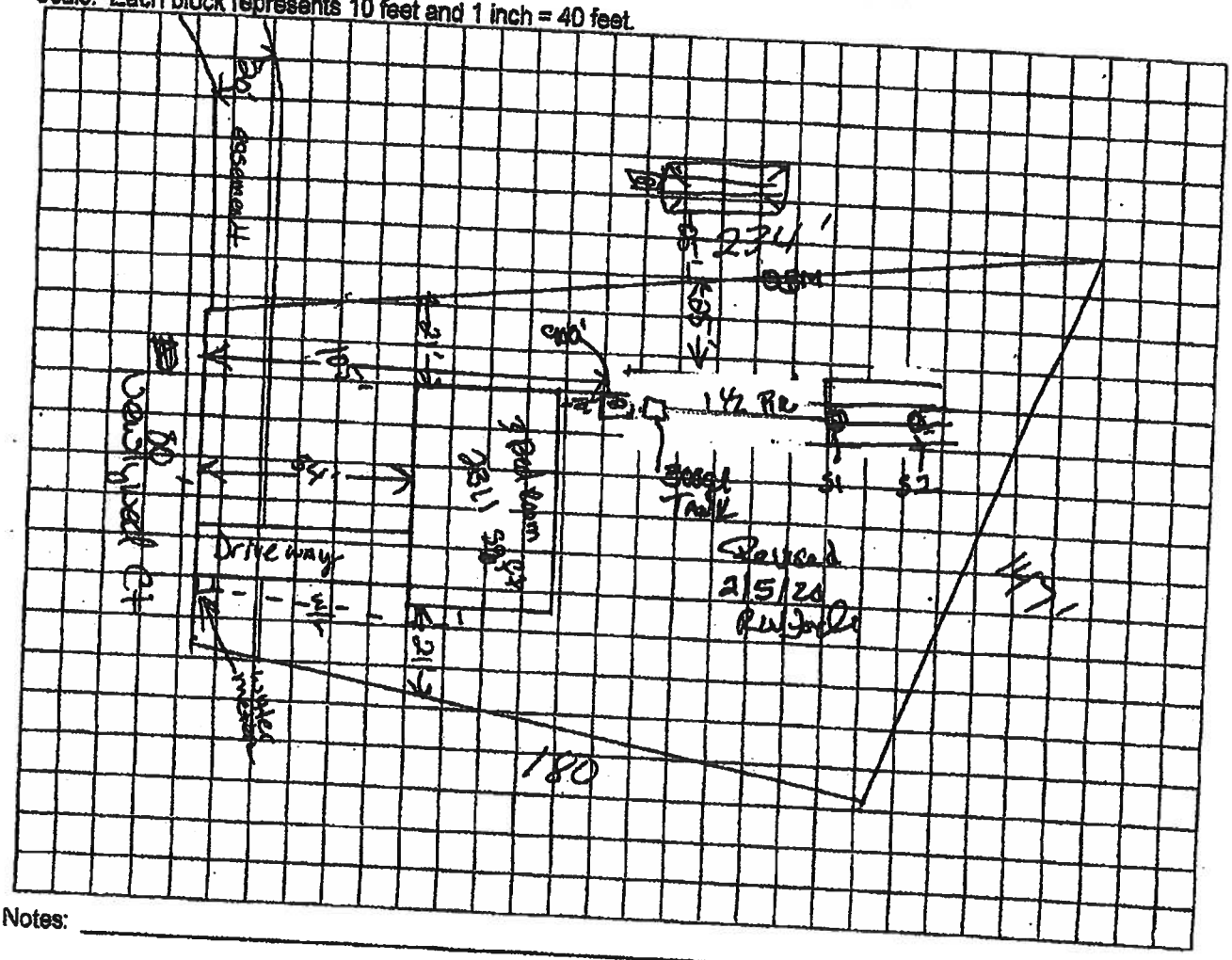
REVISED
2/5/20 SM

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0562

PART II - SITEPLAN Lot A

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



Notes:

Site Plan submitted by: Robert W Ford Jr. Date 1/15/19

Plan Approved ✓ Not Approved

By [signature] Date 2/5/20

Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08/09 (Obsolete previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 5744-002-4015-6)

REVISED 2/5/20

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
1	Two (2) complete sets of plans containing the following:	- Yes
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	- Yes
3	Condition space (Sq. Ft.) 2157 Total (Sq. Ft.) under roof 3048	YES / NO / N/A

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

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

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

YES / NO / N/A

FBCR 403: Foundation Plans

Select From the Dropbox

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

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

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

YES / NO / N/A

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

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

YES / NO / N/A

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

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed.	[redacted]		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	[redacted]		
94	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NA [redacted]		
***	**BELOW ITEMS ONLY NEEDED AFTER ZONING APPROVAL HAS GIVEN.**	****	***	***
95	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	[redacted]		
96	**City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031	[redacted] NA		
97	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	[redacted]	NA	
98	**CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	[redacted]		
99	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			
100	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required	[redacted]		
101	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	[redacted]		

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

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

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

Section R101.2.1 of the Florida Building Code Residential:

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

FLORIDA PRODUCT APPROVALS

10-16-15

Rogue Valley Wood FL-13137

Item:	Manufacturer	Product Description:	Approval Number:
Exterior Doors:	Masonite	Inswing & Outswing Fiberglass	FL-8228-R7
	Masonite	Inswing & Outswing Steel	FL-4904-R7
	Plastpro	8'0" Inswing & Outswing Fiberglass	FL-15220-R1
	Plastpro	Inswing & Outswing Steel	FL-15962-R2
	Plastpro	6'8" Inswing & Outswing Fiberglass	FL-15215-R3 flush glazed
		6'8" Fib- Glazed Door	FL-17347
Windows:	MI	Aluminum 185 Single Hung	FL-17499
		Aluminum 185 Picture Window	FL-15349
	* 53"x50"	3580 Hz. Slider	FL-13349.2
Finless covers Hardie		Vinyl 3540 Single Hung	FL-17676-R1
& finless per Jason		Vinyl 3500 Picture Window	FL-18644
	Atrium	150/160	FL-11834
	Magnolia	Vinyl 400 Single Hung	FL-16475-R3
		Vinyl 400 Picture Window	FL-16474-R2
5-16	63"x44"	400 Hz. Slider	FL-16476.1
Soffit:	Kaycan	Vinyl/PVC & Aluminum Soffit	FL-16503
		Vinyl Siding	FL-15867-R1
	LCIHW (House Wrap)	International Bldg Code	ESR3774
Underlayment:	Woodland	30# Felt	FL-17206-R3
	Interwrap	Rhino	FL-15216
Roofing:	Certainteed	Asphalt Shingles	FL-5444
	GAF	Asphalt Shingles	FL-10124-R16
	Tamko	Asphalt Shingles	FL-18355
Polyglass A.P. FL-1654 R20	Certainteed	Flintlastic SBS & APP	FL-16709.1
Siding:	Allura of Plycem	Cement board lap siding	FL-17482-R2
	James Hardie	Cement board lap siding	FL-13192-R4
Simpson		LSTA – MSTA, SPH4	FL-13872-R2
	GAF	Tiger Paw Underlayment	FL-15487-R5
Metal Roofing		5V Roofing Master Rib Roofing	FL-9555-R3 FL-9557-R3

Hardie Union CemPlank 13192.1

1-7-16

5-17-16 Per Owen SF. 6 Panel 15187.1 Plastpro

Residential System Sizing Calculation

Summary

Custom Home

Lake City, FL 32024

Project Title:
Holloway Residence - Amelia Model

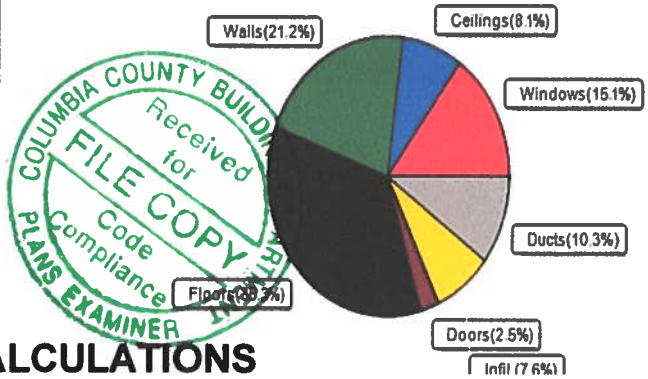
1/6/2020

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	**25916**	**Btuh**	**Total cooling load calculation**	**17802**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	162.1	42000	Sensible (SHR = 0.80)	223.7	33600
Heat Pump + Auxiliary(0.0kW)	162.1	42000	Latent	301.6	8400
			Total (Electric Heat Pump)	235.9	42000

WINTER CALCULATIONS

Winter Heating Load (for 1669 sqft)

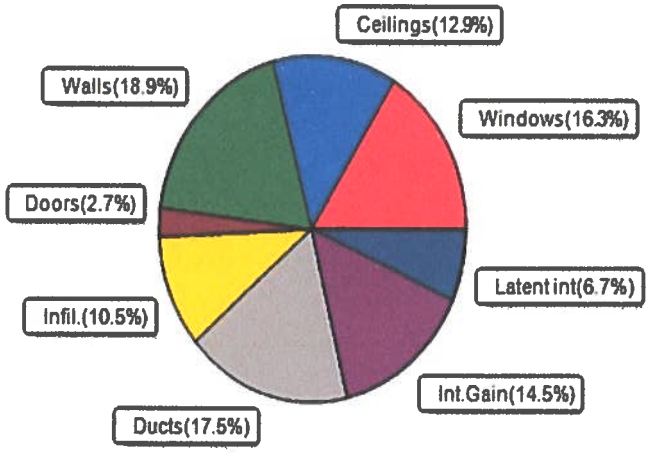
Load component			Load	
Window total	296	sqft	3907	Btuh
Wall total	1592	sqft	5488	Btuh
Door total	40	sqft	640	Btuh
Ceiling total	1669	sqft	2089	Btuh
Floor total	1669	sqft	9157	Btuh
Infiltration	45	cfm	1978	Btuh
Duct loss			2657	Btuh
Subtotal			**25916**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**25916**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1669 sqft)

Load component			Load	
Window total	296	sqft	2902	Btuh
Wall total	1592	sqft	3357	Btuh
Door total	40	sqft	480	Btuh
Ceiling total	1669	sqft	2298	Btuh
Floor total			0	Btuh
Infiltration	34	cfm	705	Btuh
Internal gain			2580	Btuh
Duct gain			2695	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**15017**	**Btuh**
Latent gain(ducts)			416	Btuh
Latent gain(infiltration)			1169	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**2785**	**Btuh**
TOTAL HEAT GAIN			**17802**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 1-7-20

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Custom Home

Project Title:
Holloway Residence - Amelia Model

Lake City, FL 32024

1/6/2020

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

Component Loads for Whole House

Window	Type*					Overhang		Window Area(sqft)			HTM		Load
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.22, 0.33		I-A	No	N	1.5ft	1.3ft	36.0	0.0	36.0	8	8	276 Btuh
2	2 NFRC	0.22, 0.33		I-A	No	N	1.5ft	1.3ft	36.0	0.0	36.0	8	8	276 Btuh
3	2 NFRC	0.22, 0.33		I-A	No	W	11.5f	1.3ft	20.0	20.0	0.0	8	15	153 Btuh
4	2 NFRC	0.22, 0.33		I-A	No	N	1.5ft	1.3ft	54.0	0.0	54.0	8	8	414 Btuh
5	2 NFRC	0.22, 0.33		I-A	No	E	1.5ft	1.3ft	30.0	0.0	30.0	8	15	456 Btuh
6	2 NFRC	0.22, 0.33		I-A	No	N	1.5ft	1.3ft	18.0	0.0	18.0	8	8	138 Btuh
7	2 NFRC	0.22, 0.33		I-A	No	E	1.5ft	1.3ft	18.0	0.0	18.0	8	15	274 Btuh
8	2 NFRC	0.22, 0.33		I-A	No	E	1.5ft	1.3ft	8.0	0.0	8.0	8	15	122 Btuh
9	2 NFRC	0.22, 0.33		I-A	No	S	1.5ft	1.3ft	18.0	18.0	0.0	8	9	138 Btuh
10	2 NFRC	0.22, 0.33		I-A	No	S	1.5ft	1.3ft	30.0	30.0	0.0	8	9	230 Btuh
11	2 NFRC	0.22, 0.33		I-A	No	W	1.5ft	1.3ft	20.0	0.0	20.0	8	15	304 Btuh
12	2 NFRC	0.22, 0.33		I-A	No	W	1.5ft	1.3ft	8.0	0.0	8.0	8	15	122 Btuh
	Window Total								296 (sqft)					2902 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.6	228.0	2.2	501 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.6	70.0	2.2	154 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.6	78.0	2.2	171 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.6	60.0	2.2	132 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.6	79.5	2.2	175 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.6	248.5	2.2	546 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.6	51.0	2.2	112 Btuh
8	Frame - Wood - Ext	0.09	13.0/0.6	24.0	2.2	53 Btuh
9	Frame - Wood - Ext	0.09	13.0/0.6	84.0	2.2	185 Btuh
10	Frame - Wood - Ext	0.09	13.0/0.6	69.0	2.2	152 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.6	56.5	2.2	124 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.6	45.0	2.2	99 Btuh
13	Frame - Wood - Ext	0.09	13.0/0.6	75.0	2.2	165 Btuh
14	Frame - Wood - Adj	0.09	13.0/0.6	78.0	1.6	128 Btuh
15	Frame - Wood - Adj	0.09	13.0/0.6	175.0	1.6	287 Btuh
16	Frame - Wood - Ext	0.09	13.0/0.6	170.0	2.2	374 Btuh
	Wall Total			1592 (sqft)		3357 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	12.0	240 Btuh
2	Insulated - Garage	20.0	12.0	240 Btuh
	Door Total	40 (sqft)		480 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	0.031	30.0/0.6	1669.0	1.38	2298 Btuh
	Ceiling Total			1669 (sqft)		2298 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1669 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1669.0 (sqft)		0 Btuh

	Envelope Subtotal:	9037 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Custom Home
Lake City, FL 32024

Project Title: Holloway Residence - Amelia Model
Climate:FL_GAINESVILLE_REGIONAL_A

1/6/2020

Infiltration	Type Natural	Average ACH 0.14	Volume(cuft) 15021	Wall Ratio 1		CFM= 33.9	Load 705	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230		+	Appliance 1200	Load 2580	Btuh
					Sensible Envelope Load:		12322	Btuh
Duct load	Extremely sealed, Supply(R8.0-Attic), Return(R8.0-Attic)				(DGM of 0.219)		2695	Btuh
					Sensible Load All Zones		**15017**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Custom Home
Lake City, FL 32024

Project Title: Holloway Residence - Amelia Model
Climate:FL_GAINESVILLE_REGIONAL_A

1/6/2020

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**12322 Btuh**
	Sensible Duct Load	2695 Btuh
	Total Sensible Zone Loads	**15017 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**15017 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	1169 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	416 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**2785 Btuh**
	TOTAL GAIN	**17802 Btuh**

EQUIPMENT

1. Central Unit	#	42000 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 - Winter

Residential Load - Whole House Component Details

Custom Home

Project Title:
Holloway Residence - Amelia Model

Lake City, FL 32024

Building Type: User

1/6/2020

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 0.22	Vinyl	0.33	N	36.0	13.2	475 Btuh
2	2, NFRC 0.22	Vinyl	0.33	N	36.0	13.2	475 Btuh
3	2, NFRC 0.22	Vinyl	0.33	W	20.0	13.2	264 Btuh
4	2, NFRC 0.22	Vinyl	0.33	N	54.0	13.2	713 Btuh
5	2, NFRC 0.22	Vinyl	0.33	E	30.0	13.2	396 Btuh
6	2, NFRC 0.22	Vinyl	0.33	N	18.0	13.2	238 Btuh
7	2, NFRC 0.22	Vinyl	0.33	E	18.0	13.2	238 Btuh
8	2, NFRC 0.22	Vinyl	0.33	E	8.0	13.2	106 Btuh
9	2, NFRC 0.22	Vinyl	0.33	S	18.0	13.2	238 Btuh
10	2, NFRC 0.22	Vinyl	0.33	S	30.0	13.2	396 Btuh
11	2, NFRC 0.22	Vinyl	0.33	W	20.0	13.2	264 Btuh
12	2, NFRC 0.22	Vinyl	0.33	W	8.0	13.2	106 Btuh
	Window Total				296.0(sqft)		3907 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.086)	13.0/0.6	228	3.45	786 Btuh
2	Frame - Wood	- Ext	(0.086)	13.0/0.6	70	3.45	241 Btuh
3	Frame - Wood	- Ext	(0.086)	13.0/0.6	78	3.45	269 Btuh
4	Frame - Wood	- Ext	(0.086)	13.0/0.6	60	3.45	207 Btuh
5	Frame - Wood	- Ext	(0.086)	13.0/0.6	80	3.45	274 Btuh
6	Frame - Wood	- Ext	(0.086)	13.0/0.6	249	3.45	857 Btuh
7	Frame - Wood	- Ext	(0.086)	13.0/0.6	51	3.45	176 Btuh
8	Frame - Wood	- Ext	(0.086)	13.0/0.6	24	3.45	83 Btuh
9	Frame - Wood	- Ext	(0.086)	13.0/0.6	84	3.45	290 Btuh
10	Frame - Wood	- Ext	(0.086)	13.0/0.6	69	3.45	238 Btuh
11	Frame - Wood	- Ext	(0.086)	13.0/0.6	57	3.45	195 Btuh
12	Frame - Wood	- Ext	(0.086)	13.0/0.6	45	3.45	155 Btuh
13	Frame - Wood	- Ext	(0.086)	13.0/0.6	75	3.45	259 Btuh
14	Frame - Wood	- Adj	(0.086)	13.0/0.6	78	3.45	269 Btuh
15	Frame - Wood	- Adj	(0.086)	13.0/0.6	175	3.45	603 Btuh
16	Frame - Wood	- Ext	(0.086)	13.0/0.6	170	3.45	586 Btuh
	Wall Total				1592(sqft)		5488 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)	20	16.0	320 Btuh
2	Insulated - Garage,	n	(0.400)	20	16.0	320 Btuh
	Door Total			40(sqft)		640Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing	(0.031)	30.0/0.6	1669	1.3	2089 Btuh
	Ceiling Total			1669(sqft)		2089Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	194.0 ft(perim.)	47.2	9157 Btuh
	Floor Total			1669 sqft		9157 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Custom Home
Lake City, FL 32024

Project Title:
Holloway Residence - Amelia Model
Building Type: User

1/6/2020

	Envelope Subtotal:	21281 Btuh
Infiltration	Type Wholehouse ACH Volume(cuft) Wall Ratio CFM= Natural 0.18 15021 1.00 45.2	1978 Btuh
Duct load	Extremely sealed, R8.0, Supply(Att), Return(Att) (DLM of 0.114)	2657 Btuh
All Zones	**Sensible Subtotal All Zones**	**25916 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	25916 Btuh 0 Btuh 25916 Btuh

EQUIPMENT

1. Electric Heat Pump	#	42000 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

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Holloway Residence - Amelia Model	Builder Name:	Adam's Construction
Street:		Permit Office:	Columbia
City, State, Zip:	Lake City , FL , 32024	Permit Number:	
Owner:	Custom Home	Jurisdiction:	
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	1669
Conditioned floor area below grade (ft²)	0

7. Windows(296.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.33	296.00 ft²
SHGC:	SHGC=0.22	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		2.176 ft.
Area Weighted Average SHGC:		0.220

8. Floor Types (1669.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1669.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1927.5 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1654.50 ft²
b. Frame - Wood, Adjacent	R=13.0	273.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1669.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=30.0	1669.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	8	347.8

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	42.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	42.0	HSPF:8.20

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.920
b. Conservation features: None

15. Credits: CF, Pstat

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

Glass/Floor Area: 0.177

Total Proposed Modified Loads: 47.17

Total Baseline Loads: 52.19

PASS

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

PREPARED BY: _____

DATE: 1-7-20

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

OWNER/AGENT: _____

DATE: _____

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

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

BUILDING OFFICIAL: _____

DATE: _____

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

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

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

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Holloway Residence - Amelia	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1669	Lot #	
Owner Name:	Custom Home	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Adam's Construction	Rotate Angle:	0	Street:	
Permit Office:	Columbia	Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

BLOCKS

Number	Name	Area	Volume
1	Block1	1669	15021

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1669	15021	Yes	6	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	194 ft	0	1669 ft²	----	0.33	0.33	0.34

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	1933 ft²	0 ft²	Medium	N	0.85	No	0.9	No	0.625	30.3

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1669 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	1669 ft²	0.11	Wood

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
____	1	N	Exterior	Frame - Wood	Main	13	33	4	9		300.0 ft²	0.625	0.23	0.75	0
____	2	W	Exterior	Frame - Wood	Main	13	10		9		90.0 ft²	0.625	0.23	0.75	0
____	3	N	Exterior	Frame - Wood	Main	13	14	8	9		132.0 ft²	0.625	0.23	0.75	0
____	4	E	Exterior	Frame - Wood	Main	13	10		9		90.0 ft²	0.625	0.23	0.75	0
____	5	N	Exterior	Frame - Wood	Main	13	10	10	9		97.5 ft²	0.625	0.23	0.75	0
____	6	E	Exterior	Frame - Wood	Main	13	30	6	9		274.5 ft²	0.625	0.23	0.75	0
____	7	S	Exterior	Frame - Wood	Main	13	5	8	9		51.0 ft²	0.625	0.23	0.75	0
____	8	E	Exterior	Frame - Wood	Main	13	2	8	9		24.0 ft²	0.625	0.23	0.75	0
____	9	S	Exterior	Frame - Wood	Main	13	11	4	9		102.0 ft²	0.625	0.23	0.75	0
____	10	W	Exterior	Frame - Wood	Main	13	7	8	9		69.0 ft²	0.625	0.23	0.75	0
____	11	S	Exterior	Frame - Wood	Main	13	8	6	9		76.5 ft²	0.625	0.23	0.75	0
____	12	E	Exterior	Frame - Wood	Main	13	5		9		45.0 ft²	0.625	0.23	0.75	0
____	13	S	Exterior	Frame - Wood	Main	13	11	8	9		105.0 ft²	0.625	0.23	0.75	0
____	14	W	Garage	Frame - Wood	Main	13	8	8	9		78.0 ft²	0.625	0.23	0.75	0
____	15	S	Garage	Frame - Wood	Main	13	21	8	9		195.0 ft²	0.625	0.23	0.75	0
____	16	W	Exterior	Frame - Wood	Main	13	22		9		198.0 ft²	0.625	0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	S	Insulated	Main	None	.4	3		6	8	20 ft²
_____	2	S	Insulated	Main	None	.4	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	2	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	3	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft²	11 ft 6 in	1 ft 4 in	IECC 2012	None
_____	4	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	54.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	5	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	6	N	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	7	E	6	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	8	E	6	Vinyl	Low-E Double	Yes	0.33	0.22	N	8.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	9	S	9	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	10	S	13	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	11	W	16	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None
_____	12	W	16	Vinyl	Low-E Double	Yes	0.33	0.22	N	8.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None

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

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	447.791889 ft²	447.791889 ft²	64 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1251.8	68.72	129.24	.1128	5

HEATING SYSTEM

√	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	Singl	HSPF:8.2	42 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	Singl	SEER: 14	42 kBtu/hr	1260 cfm	0.8	1	sys#1

HOT WATER SYSTEM

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

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	8	347.8 ft	Attic	86.95 ft	Prop. Leak Free	Garage	--- cfm	50.1 cfm	0.03	0.60	1	1

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

TEMPERATURES

Programable Thermostat: Y Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

MASS

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

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

RE: Holloway - Holloway

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

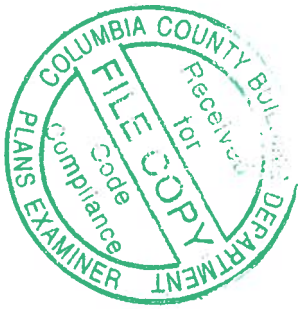
Site Information:
Customer Info: Adams Construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Lake City State: Fl

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

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

This package includes 30 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	T19216986	A1GIR	1/23/20	23	T19217008	D1GE	1/23/20
2	T19216987	A2	1/23/20	24	T19217009	D2	1/23/20
3	T19216988	A3	1/23/20	25	T19217010	D3GIR	1/23/20
4	T19216989	A4	1/23/20	26	T19217011	E1GIR	1/23/20
5	T19216990	A5	1/23/20	27	T19217012	J1	1/23/20
6	T19216991	A6	1/23/20	28	T19217013	J2	1/23/20
7	T19216992	A7	1/23/20	29	T19217014	J3	1/23/20
8	T19216993	A8	1/23/20	30	T19217015	J4	1/23/20
9	T19216994	A9	1/23/20				
10	T19216995	A10	1/23/20				
11	T19216996	B1GIR	1/23/20				
12	T19216997	B2	1/23/20				
13	T19216998	B3	1/23/20				
14	T19216999	B4	1/23/20				
15	T19217000	B5	1/23/20				
16	T19217001	B6	1/23/20				
17	T19217002	B7	1/23/20				
18	T19217003	C1GIR	1/23/20				
19	T19217004	C2	1/23/20				
20	T19217005	C3	1/23/20				
21	T19217006	C4	1/23/20				
22	T19217007	CJ01	1/23/20				



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

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 23,2020

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

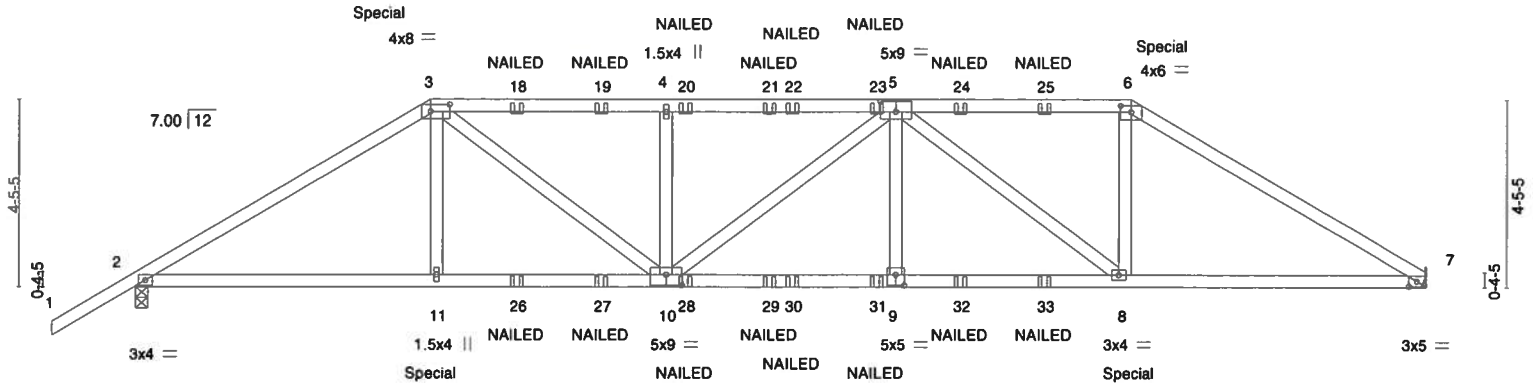
Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	A1GIR	Hip Girder	1	2	T19216986

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:29 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-jX?GlhBLfchYRcAibcbp7KXqhHtDRSoqGJ?7U8zsVNW

-2-0-0	7-0-0	12-7-4	18-0-12	23-8-0	30-8-0
2-0-0	7-0-0	5-7-4	5-5-8	5-7-4	7-0-0

Scale = 1:54.9



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

7-0-0	12-7-4	18-0-12	23-8-0	30-8-0
7-0-0	5-7-4	5-5-8	5-7-4	7-0-0

Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [5:0-4-8,0-3-0], [6:0-3-0,0-1-12], [7:0-2-3,0-1-8], [9:0-2-8,0-3-0], [10:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.14	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.31	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.31	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 300 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 4-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 7=2442/Mechanical, 2=2570/0-3-8
Max Horz 2=87(LC 24)
Max Uplift 2=-42(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4371/0, 3-4=-5110/64, 4-5=-5110/64, 5-6=-3759/26, 6-7=-4393/4
BOT CHORD 2-11=0/3682, 10-11=0/3700, 9-10=0/5113, 8-9=0/5113, 7-8=0/3705
WEBS 3-11=0/643, 3-10=-67/1818, 4-10=-762/192, 5-9=0/480, 5-8=-1774/69, 6-8=0/1560

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 229 lb down and 145 lb up at 7-0-0, and 229 lb down and 145 lb up at 23-8-0 on top chord, and 322 lb down at 7-0-0, and 322 lb down at 23-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-6=-60, 6-7=-60, 12-15=-20

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January 23,2020

Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

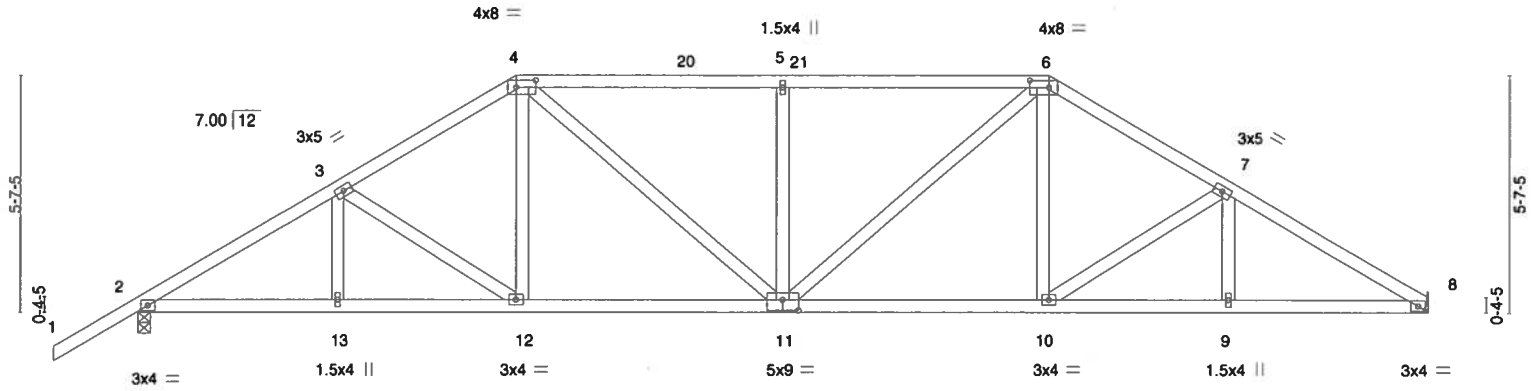
Vert: 3=-182(B) 6=-182(B) 11=-316(B) 8=-316(B) 18=-122(B) 19=-122(B) 20=-122(B) 21=-122(B) 22=-122(B) 23=-122(B) 24=-122(B) 25=-122(B) 26=-59(B) 27=-59(B) 28=-59(B) 29=-59(B) 30=-59(B) 31=-59(B) 32=-59(B) 33=-59(B)

Job	Truss	Truss Type	Qty	Ply	Holloway T19216987
HOLLOWAY	A2	Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:30 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-BjZez1C_QwpP3mkv9K62fX42ihHpAwbzUzkg1azsVNV

-2-0-0	4-8-13	9-0-0	15-4-0	21-8-0	25-11-3	30-8-0
2-0-0	4-8-13	4-3-3	6-4-0	6-4-0	4-3-3	4-8-13

Scale = 1:54.8



4-8-13	9-0-0	15-4-0	21-8-0	25-11-3	30-8-0
4-8-13	4-3-3	6-4-0	6-4-0	4-3-3	4-8-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.10	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.20	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 167 lb	FT = 0%

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

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

REACTIONS. (lb/size) 8=1223/Mechanical, 2=1351/0-3-8
Max Horz 2=107(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=-2079/367, 3-4=-1771/372, 4-5=-1813/424, 5-6=-1813/424, 6-7=-1783/377, 7-8=-2118/386
BOT CHORD 2-13=-250/1739, 12-13=-250/1739, 11-12=-163/1482, 10-11=-167/1490, 9-10=-270/1779, 8-9=-270/1779
WEBS 3-12=-383/104, 4-12=0/352, 4-11=-92/516, 5-11=-425/192, 6-11=-85/507, 6-10=-1/357, 7-10=-375/122

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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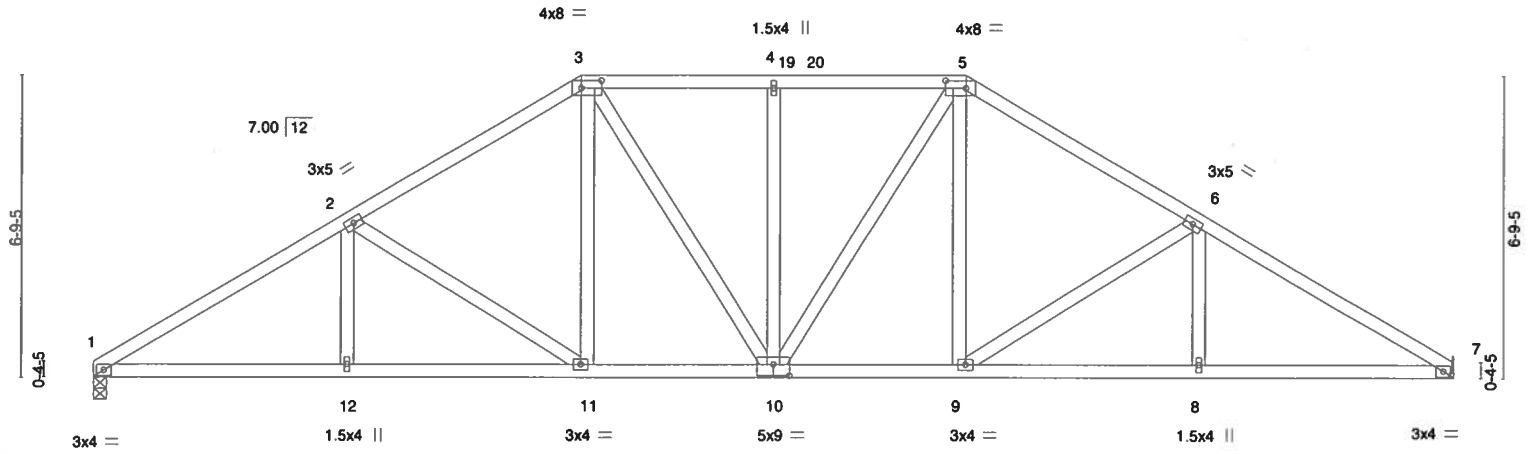
Job	Truss	Truss Type	Qty	Ply	Holloway T19216988
HOLLOWAY	A3	Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:31 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-gv70ANDcBExGgwJ5i1dHClcF95dfvLq7jdUEZ1zsVNU

5-8-13	11-0-0	15-4-0	19-8-0	24-11-3	30-8-0
5-8-13	5-3-3	4-4-0	4-4-0	5-3-3	5-8-13

Scale = 1:51.9



5-8-13	11-0-0	15-4-0	19-8-0	24-11-3	30-8-0
5-8-13	5-3-3	4-4-0	4-4-0	5-3-3	5-8-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.08	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.17	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 174 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=1227/0-3-8, 7=1227/Mechanical
Max Horz 1=-112(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2094/375, 2-3=-1649/363, 3-4=-1468/375, 4-5=-1468/375, 5-6=-1649/363, 6-7=-2094/375
BOT CHORD 1-12=-249/1751, 11-12=-249/1751, 10-11=-117/1354, 9-10=-117/1354, 8-9=-249/1751, 7-8=-249/1751
WEBS 2-11=-491/156, 3-11=-22/383, 3-10=-42/309, 4-10=-274/114, 5-10=-42/309, 5-9=-22/383, 6-9=-491/156

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) 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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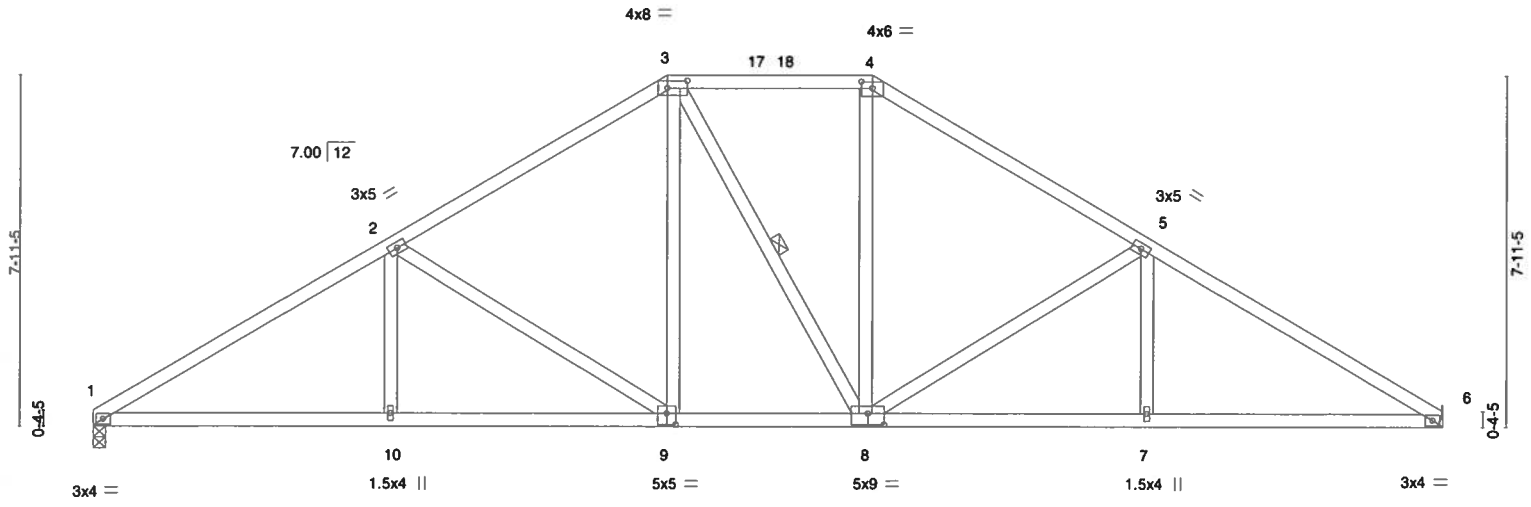
Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	A4	Hip	1	1	T19216989

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:32 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-86hOOjDEyX37I4uHGI9Wky9O0VysekMGyHDn5TzsVNT

6-8-13	13-0-0	17-8-0	23-11-3	30-8-0
6-8-13	6-3-3	4-8-0	6-3-3	6-8-13

Scale = 1:52.3



6-8-13	13-0-0	17-8-0	23-11-3	30-8-0
6-8-13	6-3-3	4-8-0	6-3-3	6-8-13

Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [4:0-3-0,0-1-12], [8:0-4-8,0-3-0], [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	0.42	Vert(LL)	-0.08	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.17	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 165 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-8

REACTIONS. (lb/size) 1=1227/0-3-8, 6=1227/Mechanical
Max Horz 1=-133(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2035/360, 2-3=-1521/346, 3-4=-1222/343, 4-5=-1517/345, 5-6=-2035/360
BOT CHORD 1-10=-224/1707, 9-10=-224/1707, 8-9=-66/1220, 7-8=-224/1706, 6-7=-224/1706
WEBS 2-10=0/281, 2-9=-590/188, 3-9=-36/434, 4-8=-35/435, 5-8=-592/188, 5-7=0/282

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) 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	Holloway T19216990
HOLLOWAY	A5	Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:34 2020 Page 1
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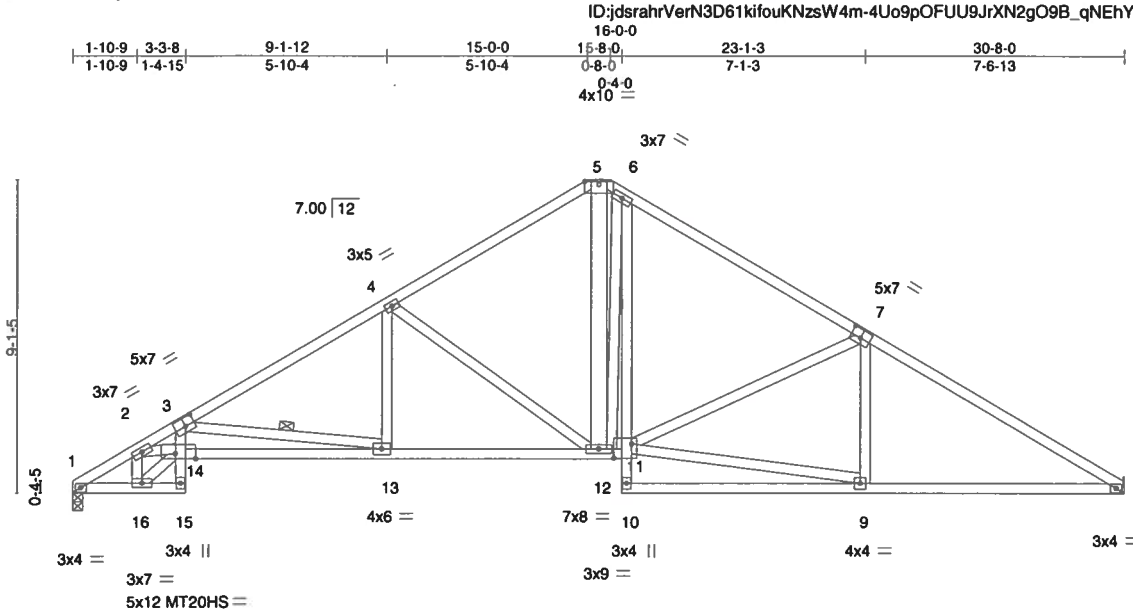

Plate Offsets (X,Y)-- [3:0-3-4,0-3-0], [7:0-3-8,0-3-0], [11:0-6-4,0-5-0], [14:0-7-0,Edge]

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	0.54	Vert(LL)	-0.22	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.46	13-14	>796	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.25	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 199 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-14: 2x4 SP No.1
WEBS 2x4 SP No.2 *Except*
5-12: 2x6 SP No.2

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

REACTIONS. (lb/size) 1=1227/0-3-8, 8=1227/Mechanical
Max Horz 1=-156(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2127/339, 2-3=-4846/734, 3-4=-2217/376, 4-5=-1497/334, 5-6=-1333/382, 6-7=-1582/337, 7-8=-1993/340
BOT CHORD 1-16=-262/1811, 15-16=-73/383, 3-14=-164/1594, 13-14=-648/4359, 12-13=-183/1875, 11-12=-20/1189, 6-11=-64/392, 8-9=-196/1664
WEBS 2-16=-1460/214, 14-16=-256/1935, 2-14=-319/2324, 3-13=-2512/469, 4-13=0/486, 4-12=-820/214, 9-11=-208/1463, 7-11=-498/188, 5-12=-272/1082, 6-12=-511/181

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=31ft; 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	A6	Roof Special	3	1	T19216991
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:35 2020 Page 1
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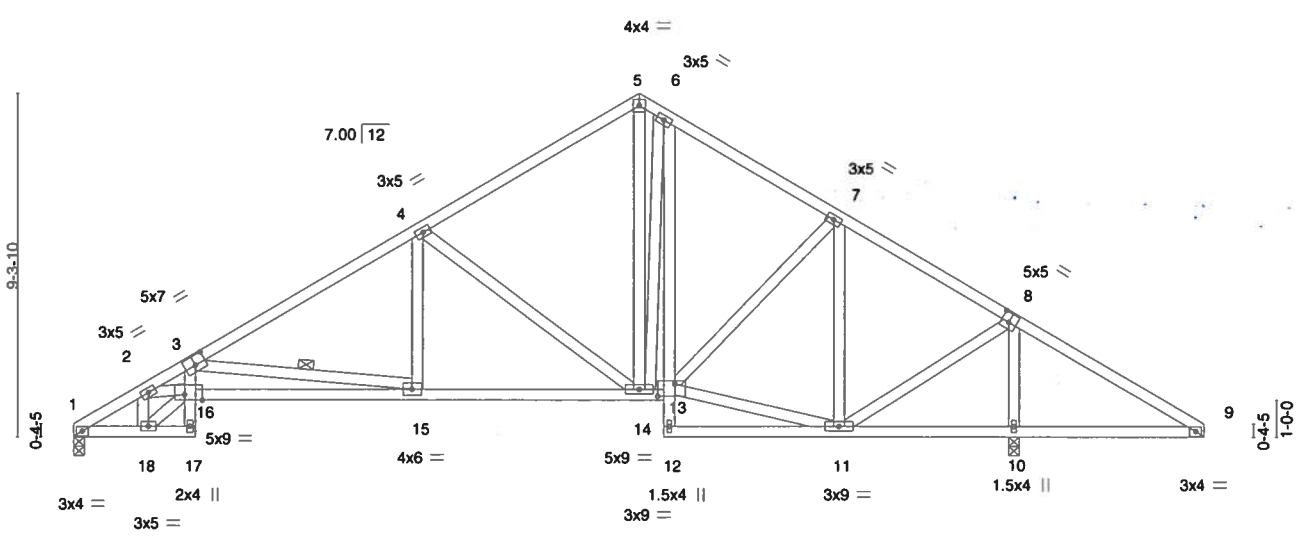

Plate Offsets (X,Y)-- [3:0-3-8,0-3-0], [8:0-2-8,0-3-0], [13:0-5-8,0-4-0], [16:0-5-12,Edge]

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	0.43	Vert(LL)	-0.17	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.37	15-16	>827	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.18	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 203 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-15

REACTIONS. (lb/size) 1=979/0-3-8, 10=1474/0-3-8
Max Horz 1=-156(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1677/232, 2-3=-3772/479, 3-4=-1602/233, 4-5=-938/204, 5-6=-795/224, 6-7=-925/202, 7-8=-716/101, 8-9=-221/405
BOT CHORD 1-18=-170/1425, 17-18=-55/296, 3-16=-82/1267, 15-16=-430/3424, 14-15=-56/1339, 13-14=0/717, 9-10=-274/229
WEBS 2-18=-1141/136, 16-18=-156/1530, 2-16=-195/1794, 3-15=-2107/376, 4-15=0/452, 4-14=-768/203, 5-14=-95/540, 11-13=0/495, 7-13=0/271, 7-11=-570/150, 8-11=-157/953, 8-10=-1331/378

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date:

January 23,2020

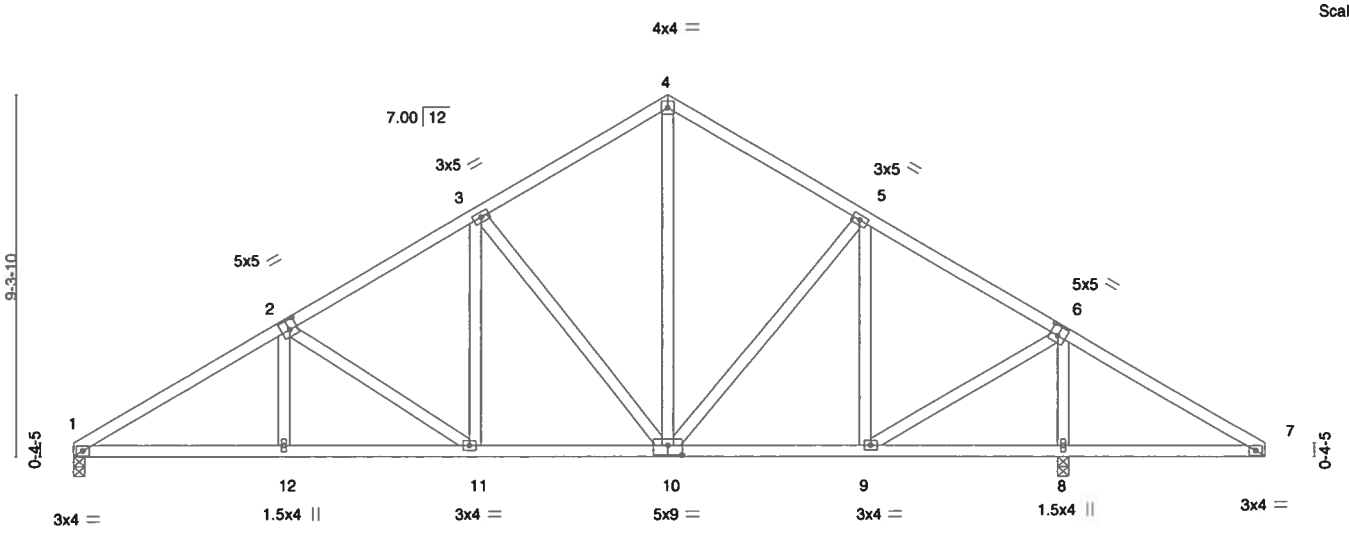
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Holloway	
HOLLOWAY	A7	Common	2	1	Job Reference (optional)	T19216992

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:36 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-0twvD4Gk0mZYnhC2VaDSvoJ4B6L1ZX8stvB_EEzsVNP

5-5-1	10-4-8	15-4-0	20-5-2	25-6-4	30-8-0
5-5-1	4-11-8	4-11-8	5-1-2	5-1-2	5-1-12

Scale = 1:59.5



5-5-1	10-4-8	15-4-0	20-5-2	25-6-4	25-8-0	30-8-0
5-5-1	4-11-8	4-11-8	5-1-2	5-1-2	0-1-12	5-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.04	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.09	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 177 lb	FT = 0%

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

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

REACTIONS. (lb/size) 1=979/0-3-8, 8=1474/0-3-8
Max Horz 1=-156(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1606/234, 2-3=-1215/227, 3-4=-818/224, 4-5=-821/222, 5-6=-746/110, 6-7=-222/403
BOT CHORD 1-12=-129/1344, 11-12=-130/1341, 10-11=-14/984, 9-10=0/575, 7-8=-272/229
WEBS 2-11=-436/140, 3-11=-14/369, 3-10=-553/172, 4-10=-91/527, 5-9=-415/166, 6-9=-159/956, 6-8=-1330/384

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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January 23,2020

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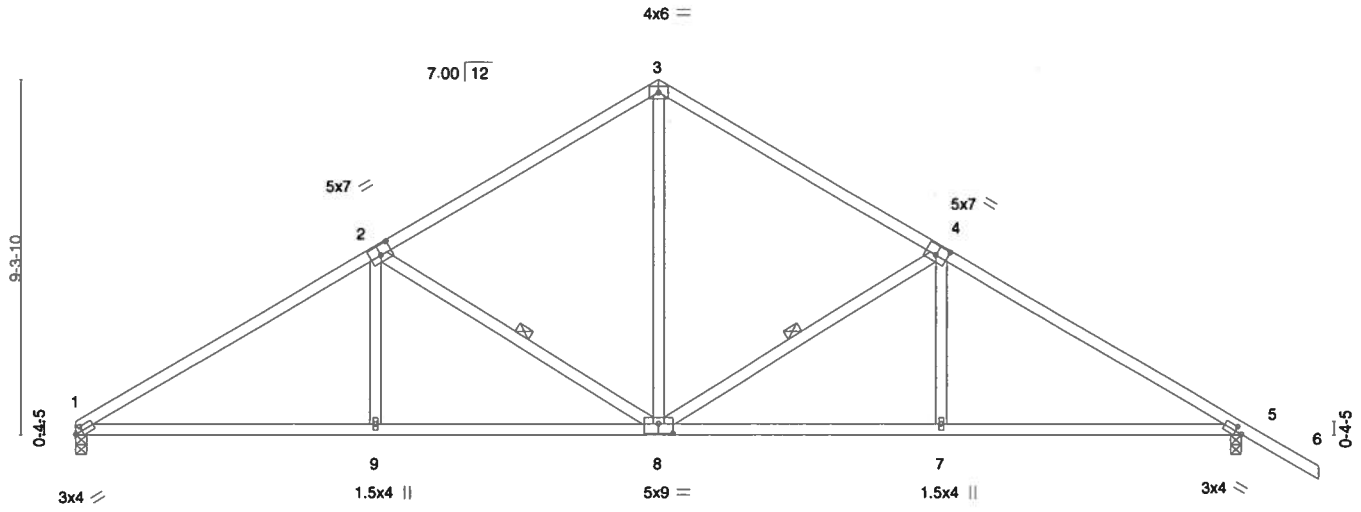
Job	Truss	Truss Type	Qty	Ply	Holloway T19216993
HOLLOWAY	A8	Common	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:37 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-U3UHRQHNn4hPPmF3IkhR0sB3WdGl4o?5ZxYngzsVNO

7-10-13	15-4-0	22-9-3	30-8-0	32-8-0
7-10-13	7-5-3	7-5-3	7-10-13	2-0-0

Scale = 1:60.6



7-10-13	15-4-0	22-9-3	30-8-0
7-10-13	7-5-3	7-5-3	7-10-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.10	9-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.25	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.08	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 153 lb	FT = 0%

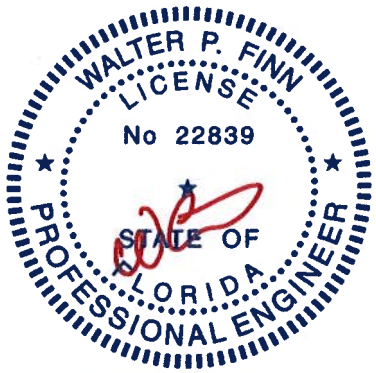
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 1=1223/0-3-8, 5=1351/0-3-8
Max Horz 1=-171(LC 10)
Max Uplift 5=-51(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1967/336, 2-3=-1359/319, 3-4=-1358/319, 4-5=-1973/328
BOT CHORD 1-9=-152/1638, 8-9=-153/1635, 7-8=-144/1617, 5-7=-143/1619
WEBS 3-8=-136/866, 4-8=-688/209, 4-7=0/323, 2-8=-688/220, 2-9=0/327

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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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January 23,2020

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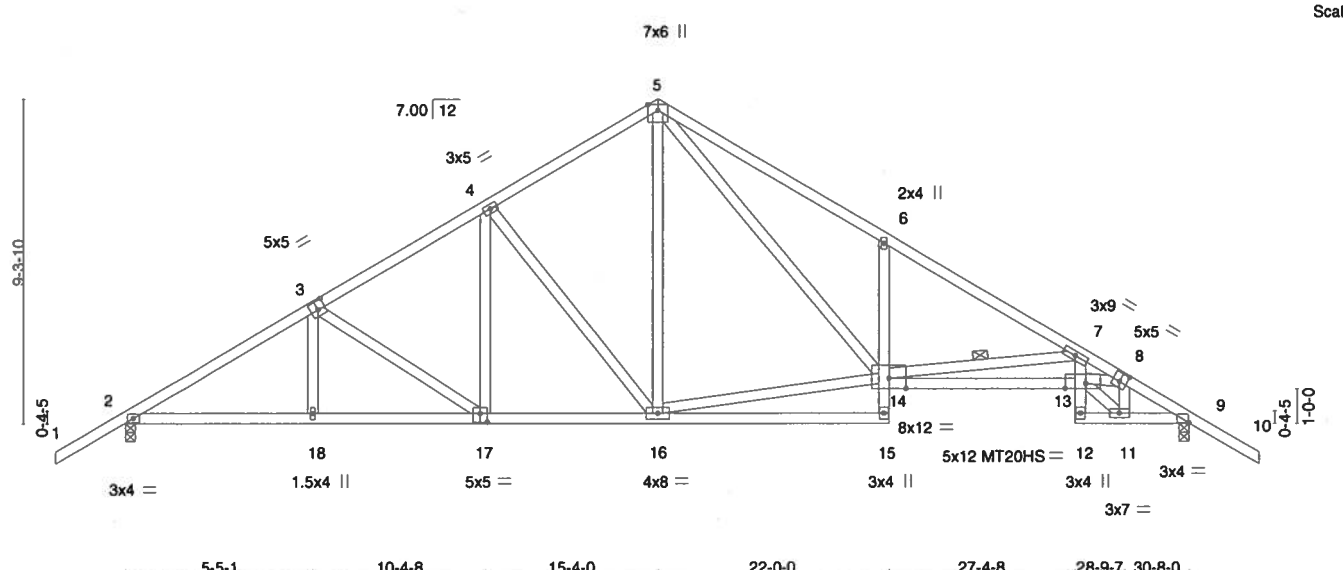
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Holloway T19216994
HOLLOWAY	A9	Roof Special	3	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:38 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-yG2femI?YNpG0?MRd?Fw_DPONww41Sz9KDg5J7zsVNN

-2-0-0	5-5-1	10-4-8	15-4-0	22-0-0	27-4-8	28-9-7	30-8-0	32-8-0
2-0-0	5-5-1	4-11-8	4-11-8	6-8-0	5-4-8	1-4-15	1-10-9	2-0-0

Scale = 1:66.3



5-5-1	10-4-8	15-4-0	22-0-0	27-4-8	28-9-7	30-8-0
5-5-1	4-11-8	4-11-8	6-8-0	5-4-8	1-4-15	1-10-9

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [8:0-2-8,0-3-0], [9:0-0-5,0-0-0], [13:0-7-0,Edge], [17:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.22	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.46	13-14	>791	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.23	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 198 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
13-14: 2x4 SP No.1
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-14

REACTIONS. (lb/size) 2=1347/0-3-8, 9=1347/0-3-8
Max Horz 2=-176(LC 10)
Max Uplift 2=-49(LC 12), 9=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2054/321, 3-4=-1684/329, 4-5=-1300/327, 5-6=-2254/520, 6-7=-2231/357, 7-8=-4672/591, 8-9=-2000/275
BOT CHORD 2-18=-147/1711, 17-18=-149/1709, 16-17=-63/1383, 6-14=-428/248, 13-14=-483/4296, 7-13=-92/1549, 11-12=-58/360, 9-11=-164/1684
WEBS 3-17=-436/123, 4-17=-15/348, 4-16=-533/168, 5-16=-65/444, 14-16=0/968, 5-14=-279/1262, 7-14=-2424/348, 11-13=-157/1919, 8-13=-250/2205, 8-11=-1506/168

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=31ft; 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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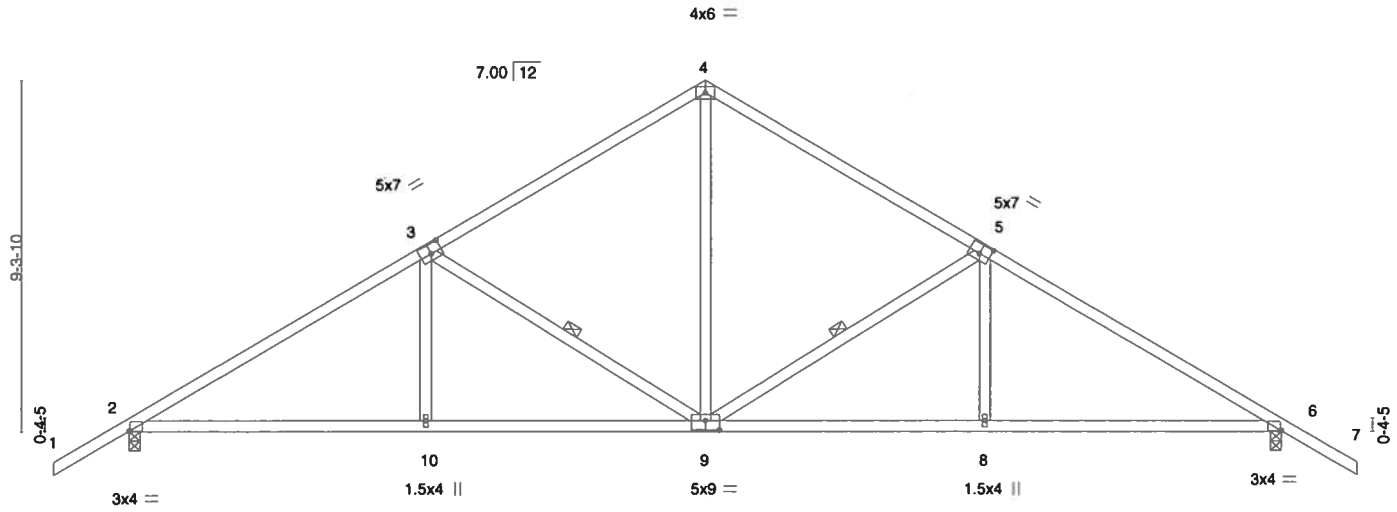
January 23,2020

Job	Truss	Truss Type	Qty	Ply	Holloway T19216995
HOLLOWAY	A10	Common	2	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:26 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-JyJ77f9TMhJza9R7wU26VhvKQ4twE69OaLmTupzsVNZ

-2-0-0	7-10-13	15-4-0	22-9-3	30-8-0	32-8-0
2-0-0	7-10-13	7-5-3	7-5-3	7-10-13	2-0-0

Scale = 1:61.3



7-10-13	15-4-0	22-9-3	30-8-0
7-10-13	7-5-3	7-5-3	7-10-13

Plate Offsets (X,Y)-- [2:0-0-5,0-0-0], [3:0-3-8,0-3-0], [5:0-3-8,0-3-0], [6:0-0-5,0-0-0], [9:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.09	8-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.22	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 157 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) 2=1347/0-3-8, 6=1347/0-3-8
Max Horz 2=-176(LC 10)
Max Uplift 2=-49(LC 12), 6=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1965/320, 3-4=-1351/312, 4-5=-1351/312, 5-6=-1965/320
BOT CHORD 2-10=-125/1612, 9-10=-127/1610, 8-9=-137/1610, 6-8=-136/1612
WEBS 4-9=-126/857, 5-9=-687/208, 5-8=0/323, 3-9=-687/208, 3-10=0/323

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=31ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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January 23,2020

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Tampa, FL 33610

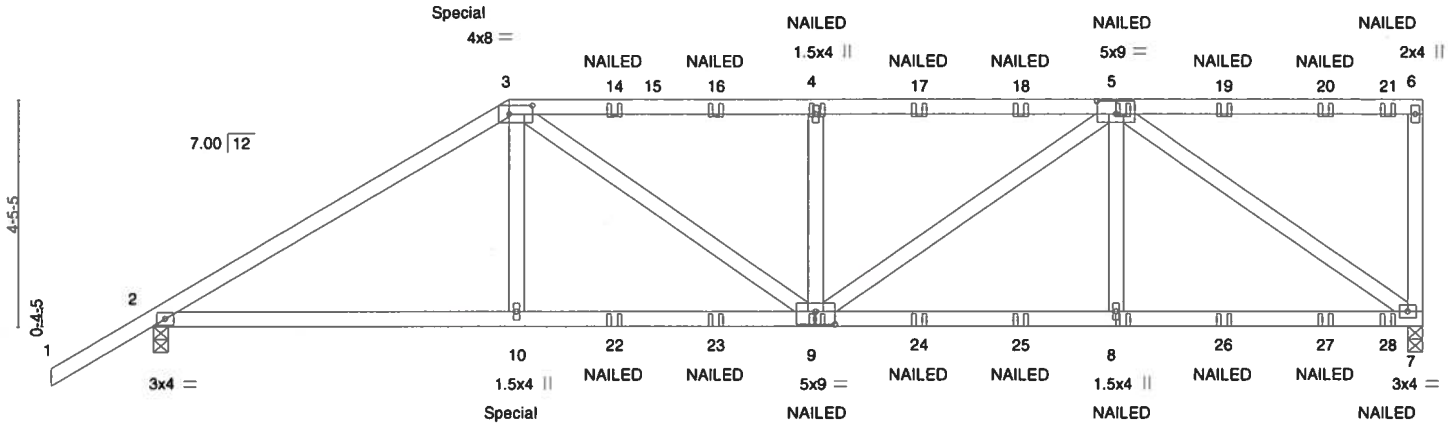
Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	B1GIR	Half Hip Girder	1	2	T19216996

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:40 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-veAQ3SJF3?3_GIVqkQIO3eUk_jhhVMVSoW9CN?zsVNL

-2-0-0 | 7-0-0 | 13-0-7 | 18-11-1 | 24-11-8
2-0-0 | 7-0-0 | 6-0-7 | 5-10-11 | 6-0-7

Scale = 1:45.3



7-0-0 | 13-0-7 | 18-11-1 | 24-11-8
7-0-0 | 6-0-7 | 5-10-11 | 6-0-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.07	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.15	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 266 lb	FT = 0%

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

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

REACTIONS. (lb/size) 7=2256/0-3-8, 2=1987/0-3-8
Max Horz 2=140(LC 7)
Max Uplift 7=-51(LC 5), 2=-44(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3242/0, 3-4=-3338/72, 4-5=-3338/72, 6-7=-390/100
BOT CHORD 2-10=-30/2711, 9-10=-22/2729, 8-9=-73/2462, 7-8=-73/2462
WEBS 3-10=0/674, 3-9=-85/739, 4-9=-749/187, 5-9=0/1071, 5-8=0/527, 5-7=-2947/55

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; 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) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2.
8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 204 lb down and 145 lb up at 7-0-0 on top chord, and 322 lb down at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-6=-60, 7-11=-20

Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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January 23,2020

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

LOAD CASE(S) Standard

Concentrated Loads (lb)

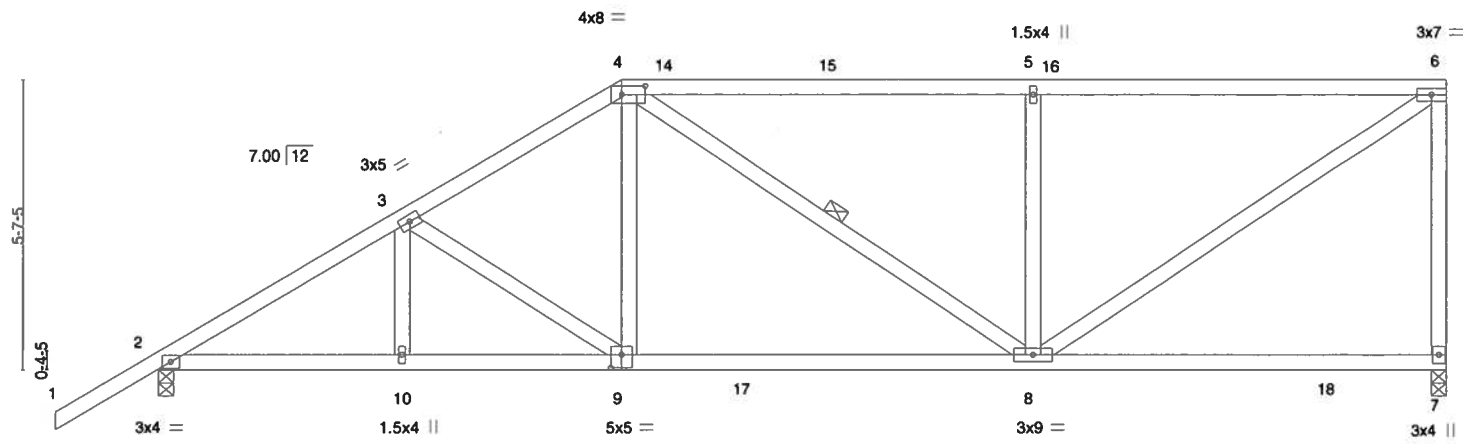
Vert: 3=-182(F) 10=-316(F) 9=-59(F) 4=-122(F) 5=-122(F) 8=-59(F) 14=-122(F) 16=-122(F) 17=-122(F) 18=-122(F) 19=-122(F) 20=-122(F) 21=-135(F) 22=-59(F) 23=-59(F) 24=-59(F) 25=-59(F) 26=-59(F) 27=-59(F) 28=-63(F)

Job	Truss	Truss Type	Qty	Ply	Holloway T19216997
HOLLOWAY	B2	Half Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:42 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-r1HAU7LVbcKiVcfCsrKs83Z2NXK1zHIlFqeJSuzsVNJ

-2-0-0 | 4-8-13 | 9-0-0 | 16-11-12 | 24-11-8
2-0-0 | 4-8-13 | 4-3-3 | 7-11-12 | 7-11-12

Scale = 1:44.7



4-8-13 | 9-0-0 | 16-11-12 | 24-11-8
4-8-13 | 4-3-3 | 7-11-12 | 7-11-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.20	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 140 lb	FT = 0%

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

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

REACTIONS. (lb/size) 7=988/0-3-8, 2=1117/0-3-8
Max Horz 2=175(LC 11)
Max Uplift 7=-11(LC 9), 2=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1622/262, 3-4=-1330/278, 4-5=-1088/288, 5-6=-1088/288, 6-7=-915/253
BOT CHORD 2-10=-419/1353, 9-10=-419/1353, 8-9=-332/1111
WEBS 3-9=-371/104, 4-9=0/384, 5-8=-542/254, 6-8=-295/1271

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

January 23,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Holloway T19216998
HOLLOWAY	B3	Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:44 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-nQPwvpNm7DaQkwpbzGMKEUfQVKy7RAK1i87QWmzsVNH

-2-0-0 | 1-10-9 | 3-3-8 | 7-1-12 | 11-0-0 | 12-4-0 | 19-8-0 | 24-11-8
2-0-0 | 1-10-9 | 1-4-15 | 3-10-4 | 3-10-4 | 1-4-0 | 7-4-0 | 5-3-8

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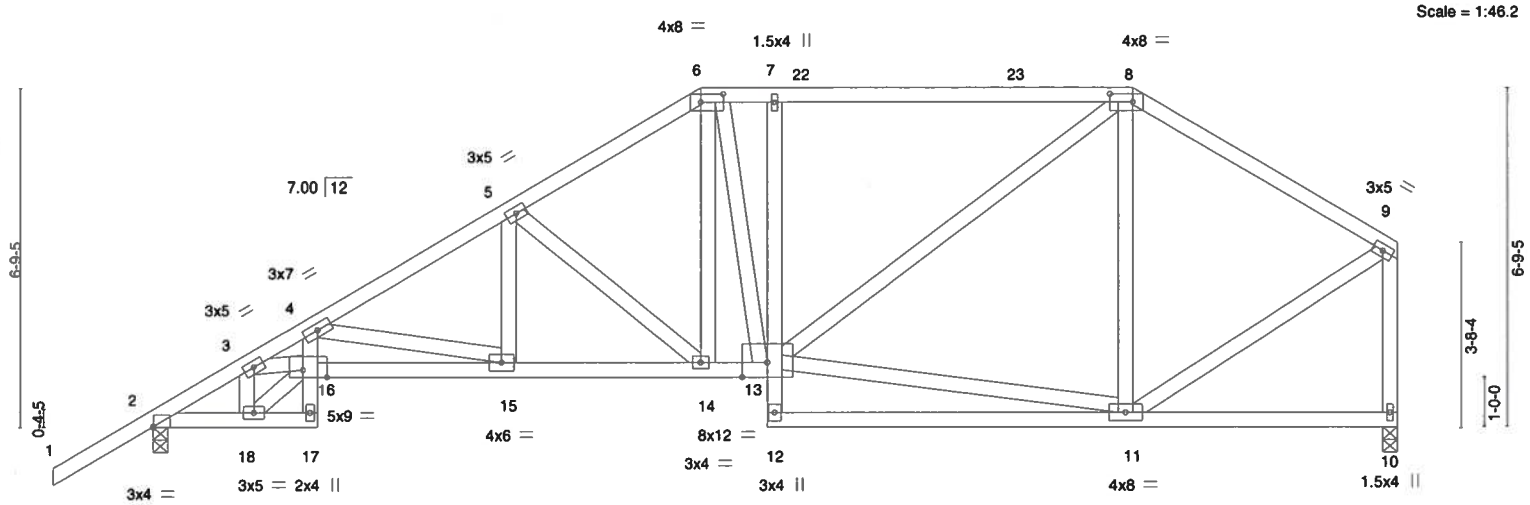


1-10-9 | 3-3-8 | 7-1-12 | 11-0-0 | 12-4-0 | 19-8-0 | 24-11-8
1-10-9 | 1-4-15 | 3-10-4 | 3-10-4 | 1-4-0 | 7-4-0 | 5-3-8

Plate Offsets (X,Y)-- [2:Edge,0-0-4], [6:0-5-8,0-2-0], [8:0-5-8,0-2-0], [16:0-5-12,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	0.45	Vert(LL)	-0.13	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.26	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 177 lb	FT = 0%

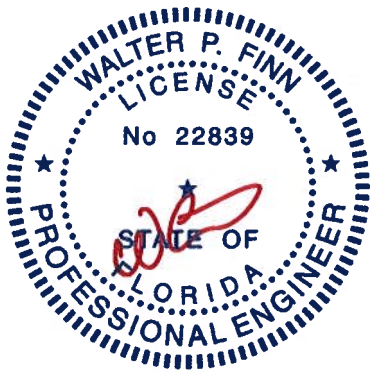
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 2=1117/0-3-8, 10=988/0-3-8
Max Horz 2=172(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=-1589/208, 3-4=-3650/772, 4-5=-1875/365, 5-6=-1337/307, 6-7=-1138/307, 7-8=-1146/312, 8-9=-830/212, 9-10=-946/201
BOT CHORD 2-18=-331/1334, 17-18=-75/289, 4-16=-264/1234, 15-16=-848/3335, 14-15=-390/1602, 13-14=-245/1102, 7-13=-406/169
WEBS 3-18=-1119/303, 16-18=-347/1415, 3-16=-464/1771, 4-15=-1771/468, 5-15=-28/405, 5-14=-658/189, 6-14=-84/497, 11-13=-169/542, 8-13=-152/648, 8-11=-365/181, 9-11=-123/761

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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January 23,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	B4	Hip	1	1	T19216999
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:45 2020 Page 1
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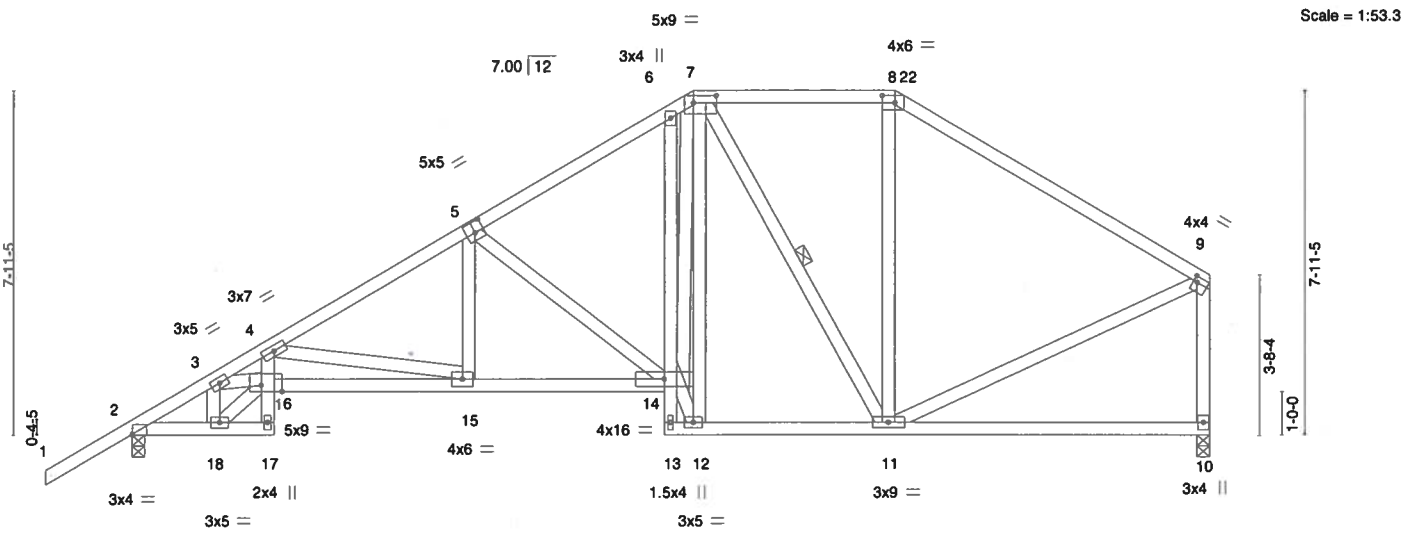

1-10-9 3-3-8 7-9-12 12-4-0 13-0-0 17-8-0 24-11-8
1-10-9 1-4-15 4-6-4 4-6-4 0-8-0 4-8-0 7-3-8

Plate Offsets (X,Y)-- [2:Edge,0-0-4], [5:0-2-8,0-3-0], [7:0-6-8,0-2-0], [8:0-3-8,0-2-0], [9:0-1-0,0-1-8], [16:0-5-12,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	0.52	Vert(LL)	-0.15	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.30	15-16	>984	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.19	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 183 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-11

REACTIONS. (lb/size) 2=1117/0-3-8, 10=988/0-3-8
Max Horz 2=192(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=-1589/199, 3-4=-3654/753, 4-5=-1792/337, 5-6=-1195/281, 6-7=-974/321, 7-8=-690/250, 8-9=-906/224, 9-10=-911/211
BOT CHORD 2-18=-323/1333, 17-18=-77/291, 4-16=-246/1220, 15-16=-843/3356, 14-15=-355/1513, 11-12=-164/820
WEBS 3-18=-1116/292, 16-18=-333/1411, 3-16=-458/1778, 4-15=-1865/495, 5-15=-18/434, 5-14=-710/202, 12-14=-184/1137, 7-14=-291/1223, 7-12=-808/155, 7-11=-329/59, 9-11=-92/688

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

January 23,2020

Job	Truss	Truss Type	Qty	Ply	Holloway T19217000
HOLLOWAY	B5	Hip	1	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:47 2020 Page 1
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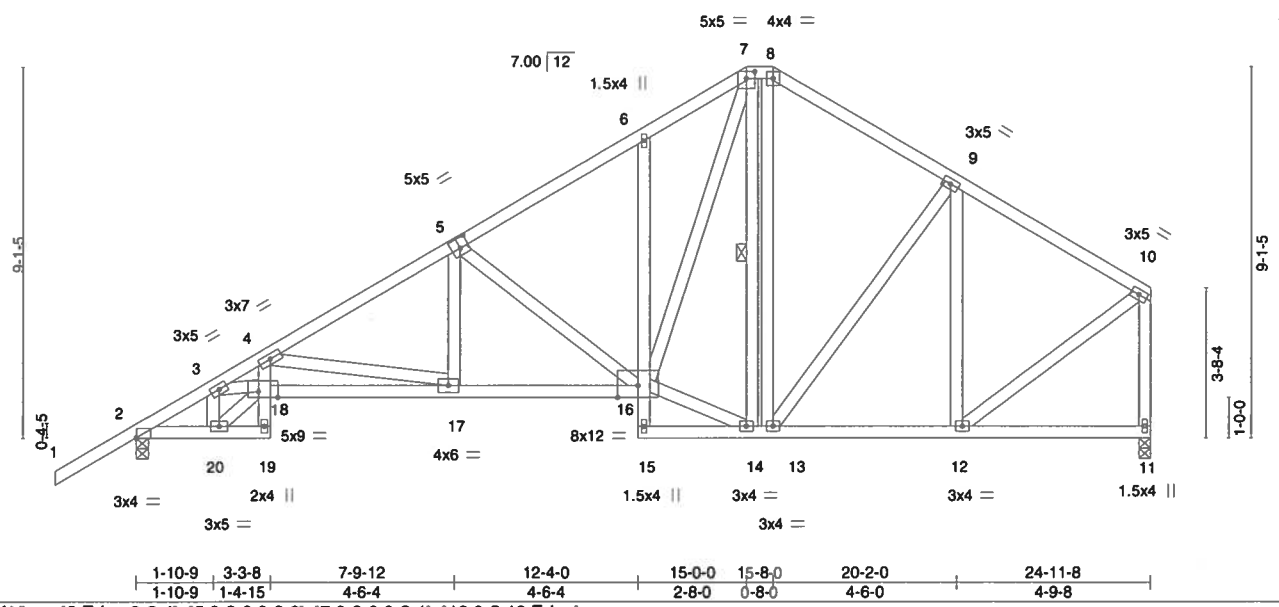

1-10-9 3-3-8 7-9-12 12-4-0 15-0-0 15-8-0 20-2-0 24-11-8
1-10-9 1-4-15 4-6-4 4-6-4 2-8-0 0-8-0 4-6-0 4-9-8

Plate Offsets (X,Y)-- [2:Edge,0-0-4], [5:0-2-8,0-3-0], [7:0-2-8,0-2-1], [18:0-5-12,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	0.34	Vert(LL)	-0.14	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.30	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 195 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-14

REACTIONS. (lb/size) 2=1117/0-3-8, 11=988/0-3-8
Max Horz 2=212(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=-1588/190, 3-4=-3656/733, 4-5=-1785/323, 5-6=-1206/273, 6-7=-1165/353, 7-8=-713/259, 8-9=-837/262, 9-10=-790/196, 10-11=-942/187
BOT CHORD 2-20=-315/1333, 19-20=-75/291, 4-18=-240/1224, 17-18=-827/3368, 16-17=-343/1507, 13-14=-108/661, 12-13=-135/628
WEBS 3-20=-1116/286, 18-20=-325/1412, 3-18=-449/1781, 4-17=-1884/492, 5-17=-14/424, 5-16=-681/193, 14-16=-88/647, 7-16=-256/964, 7-14=-359/50, 9-12=-359/140, 10-12=-121/753

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

January 23,2020

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6904 Parke East Blvd.
Tampa, FL 33610

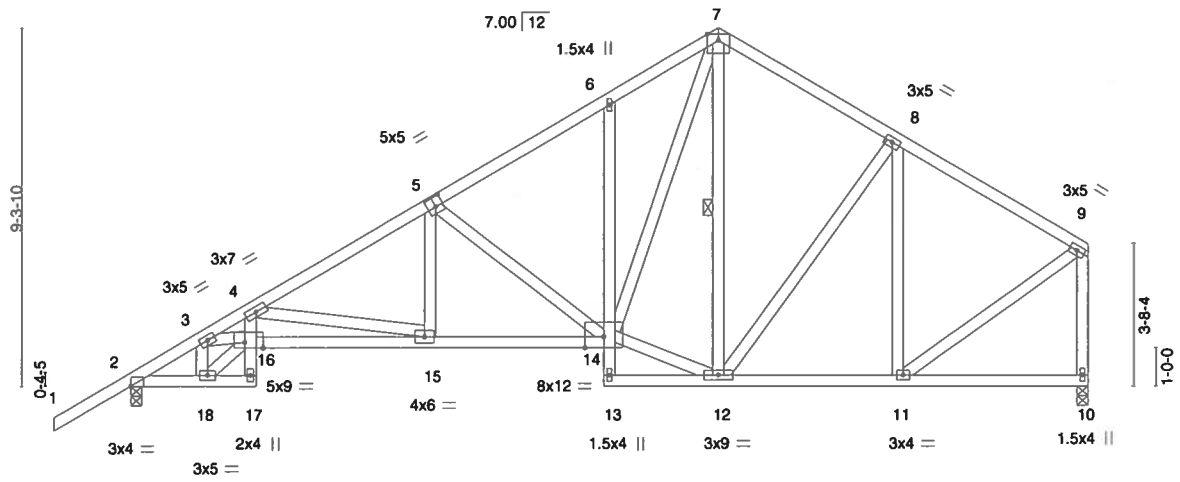
Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	B6	Roof Special	1	1	T19217001

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:48 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-gBfRIBQGBS4sDX7MC6RGOKp8EyJyNxxddm5dfYzsVND

-2-0-0	1-10-9	3-3-8	7-9-12	12-4-0	15-4-0	20-0-0	24-11-8
2-0-0	1-10-9	1-4-15	4-6-4	4-6-4	3-0-0	4-8-0	4-11-8

Scale = 1:60.1



1-10-9	3-3-8	7-9-12	12-4-0	15-4-0	20-0-0	24-11-8
1-10-9	1-4-15	4-6-4	4-6-4	3-0-0	4-8-0	4-11-8

Plate Offsets (X,Y)-- [2:Edge,0-0-4], [5:0-2-8,0-3-0], [16:0-5-12,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	0.34	Vert(LL)	-0.14	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.93	Vert(CT)	-0.29	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.16	10	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 183 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-12

REACTIONS. (lb/size) 2=1117/0-3-8, 10=988/0-3-8
Max Horz 2=215(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=-1588/188, 3-4=-3656/730, 4-5=-1785/321, 5-6=-1206/271, 6-7=-1151/348, 7-8=-834/263, 8-9=-803/197, 9-10=-941/187
BOT CHORD 2-18=-314/1333, 17-18=-75/291, 4-16=-239/1224, 15-16=-824/3368, 14-15=-341/1507, 11-12=-136/638
WEBS 3-18=-1116/285, 16-18=-324/1412, 3-16=-448/1781, 4-15=-1884/490, 5-15=-14/423, 5-14=-682/194, 12-14=-83/638, 7-14=-244/919, 8-11=-344/138, 9-11=-120/755

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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January 23,2020

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	B7	Common	2	1	T19217002

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:49 2020 Page 1

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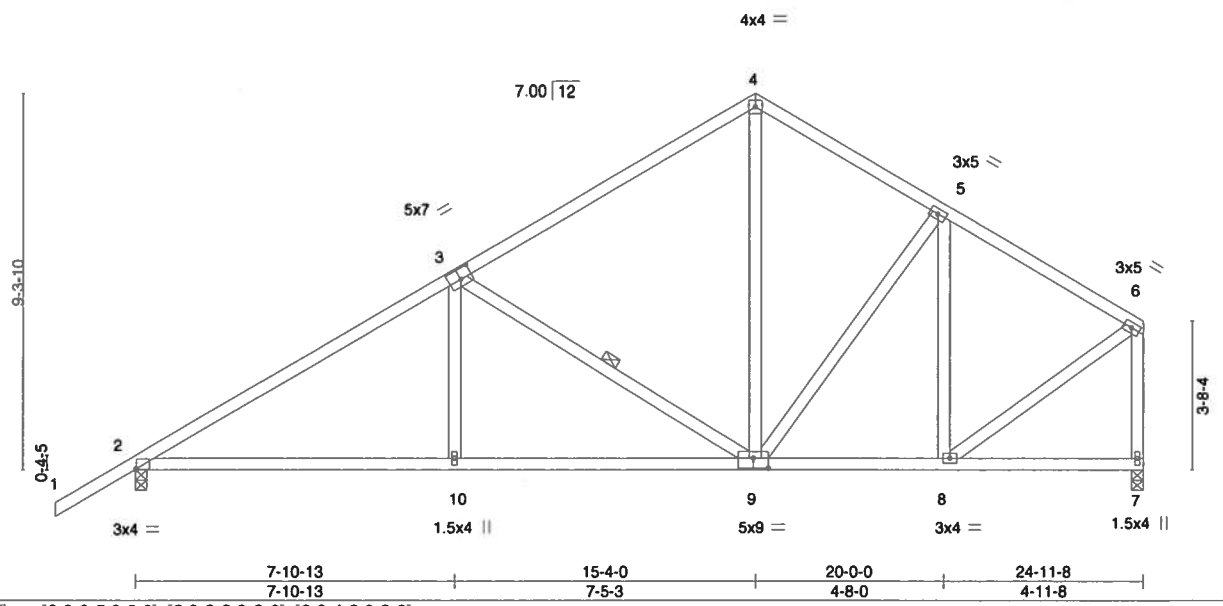

Plate Offsets (X,Y)-- [2:0-0-5,0-0-0], [3:0-3-8,0-3-0], [9:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.08	10-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.20	10-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.04	7	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.
WEBS	1 Row at midpt 3-9

REACTIONS. (lb/size) 2=1117/0-3-8, 7=988/0-3-8
Max Horz 2=215(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=-1519/243, 3-4=-896/244, 4-5=-836/259, 5-6=-800/197, 6-7=-939/189
BOT CHORD	2-10=-283/1229, 9-10=-284/1226, 8-9=-135/633
WEBS	3-10=0/332, 3-9=-702/212, 4-9=-95/510, 5-8=-347/128, 6-8=-118/747

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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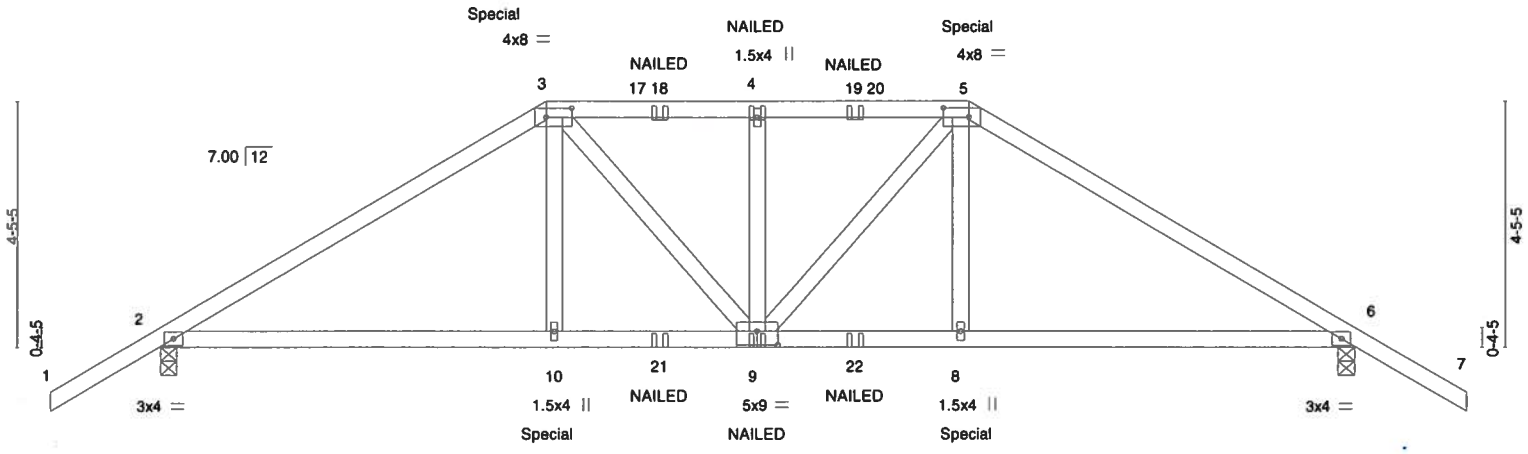
Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	C1GIR	Hip Girder	1	2	T19217003

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:51 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-4mKaNCS9UNSQ4_rxtE_z0zRd79TpaS03JkKHGszsVNA

-2-0-0	7-0-0	10-10-0	14-8-0	21-8-0	23-8-0
2-0-0	7-0-0	3-10-0	3-10-0	7-0-0	2-0-0

Scale = 1:41.8



7-0-0	10-10-0	14-8-0	21-8-0
7-0-0	3-10-0	3-10-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.04	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 215 lb	FT = 0%

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

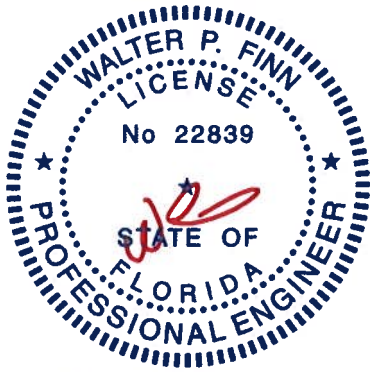
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1755/0-3-8, 6=1755/0-3-8
Max Horz 2=-91(LC 23)
Max Uplift 2=-16(LC 8), 6=-16(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2773/0, 3-4=-2614/0, 4-5=-2614/0, 5-6=-2773/0
BOT CHORD 2-10=0/2304, 9-10=0/2321, 8-9=0/2321, 6-8=0/2304
WEBS 3-10=0/610, 3-9=-63/510, 4-9=-512/135, 5-9=-64/510, 5-8=0/610

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 229 lb down and 145 lb up at 7-0-0, and 229 lb down and 145 lb up at 14-8-0 on top chord, and 322 lb down at 7-0-0, and 322 lb down at 14-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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



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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-182(F) 5=-182(F) 10=-316(F) 9=-59(F) 4=-122(F) 8=-316(F) 18=-122(F) 19=-122(F) 21=-59(F) 22=-59(F)

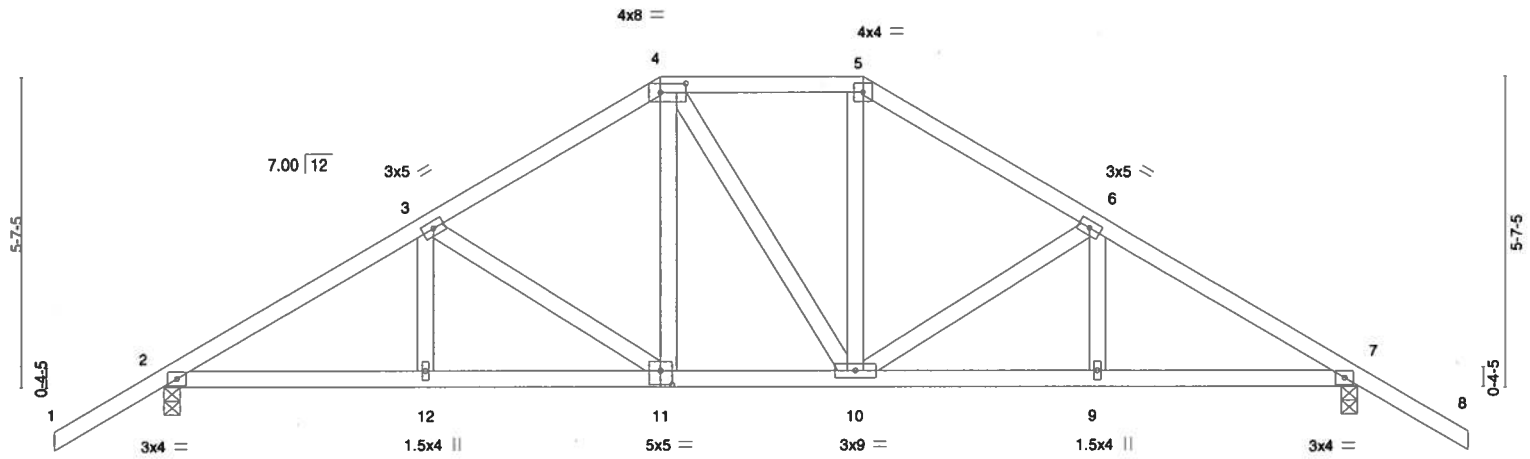
Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	C2	Hip	1	1	T19217004

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:53 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-08SKouUP?_i8JI?J?f1R5OX0HzAA2KgMn2pOLIzsVN8

-2-0-0	4-8-13	9-0-0	12-8-0	16-11-3	21-8-0	23-8-0
2-0-0	4-8-13	4-3-3	3-8-0	4-3-3	4-8-13	2-0-0

Scale = 1:41.8



4-8-13	9-0-0	12-8-0	16-11-3	21-8-0
4-8-13	4-3-3	3-8-0	4-3-3	4-8-13

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

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	0.25	Vert(LL)	-0.04	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.08	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 122 lb	FT = 0%

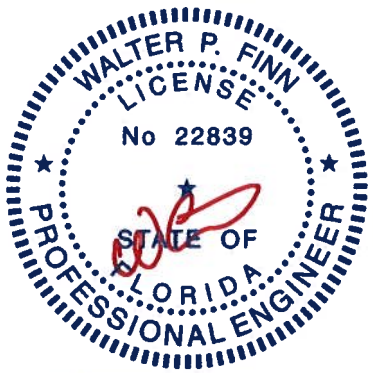
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 2=987/0-3-8, 7=987/0-3-8
Max Horz 2=112(LC 11)
Max Uplift 2=-49(LC 12), 7=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1380/223, 3-4=-1055/228, 4-5=-853/227, 5-6=-1049/226, 6-7=-1380/222
BOT CHORD 2-12=-71/1139, 11-12=-71/1139, 10-11=0/850, 9-10=-90/1138, 7-9=-90/1138
WEBS 3-11=-405/109, 4-11=-14/300, 5-10=-11/301, 6-10=-407/109

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



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Job	Truss	Truss Type	Qty	Ply	Holloway T19217005
HOLLOWAY	C3	Common	2	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:54 2020 Page 1
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-2-0-0	5-7-13	10-10-0	16-0-3	21-8-0	23-8-0
2-0-0	5-7-13	5-2-3	5-2-3	5-7-13	2-0-0

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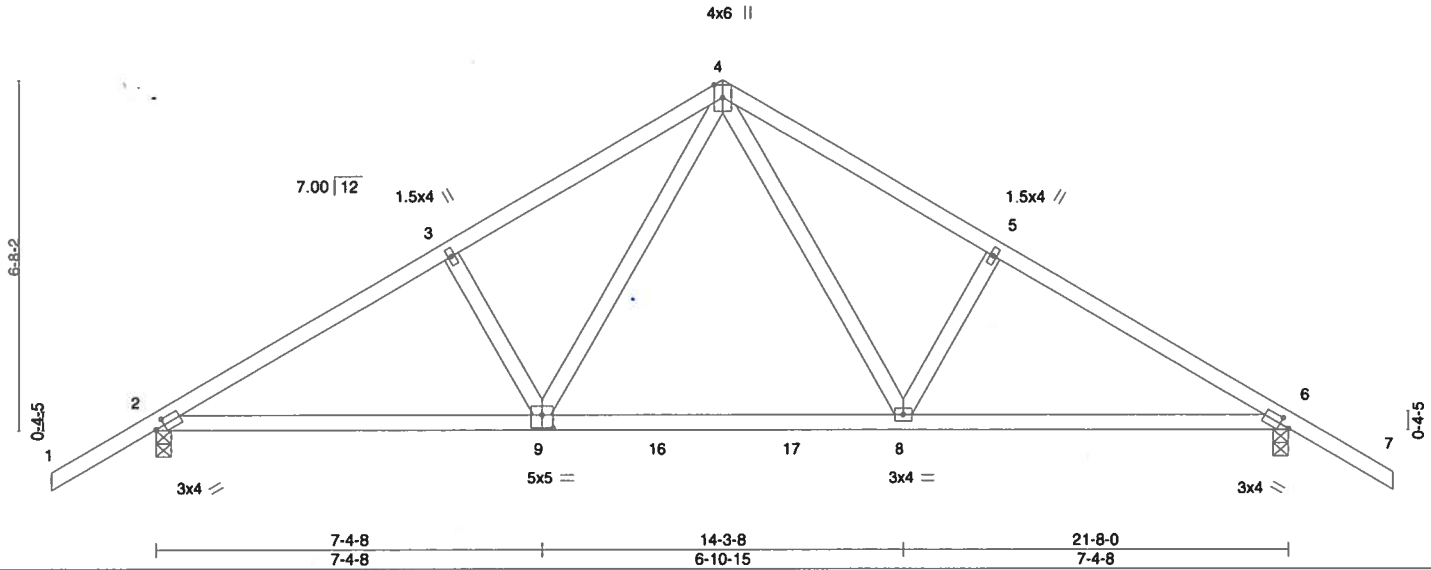

7-4-8	14-3-8	21-8-0
7-4-8	6-10-15	7-4-8

Plate Offsets (X,Y)-- [2:0-2-4,0-1-8], [6:0-2-4,0-1-8], [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	0.28	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.15	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 108 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=987/0-3-8, 6=987/0-3-8
Max Horz 2=130(LC 11)
Max Uplift 2=-49(LC 12), 6=-49(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1331/225, 3-4=-1184/261, 4-5=-1184/261, 5-6=-1331/225
BOT CHORD 2-9=-68/1128, 8-9=0/744, 6-8=-81/1092
WEBS 4-8=-75/512, 5-8=-322/169, 4-9=-75/512, 3-9=-322/169

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) 2, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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January 23,2020

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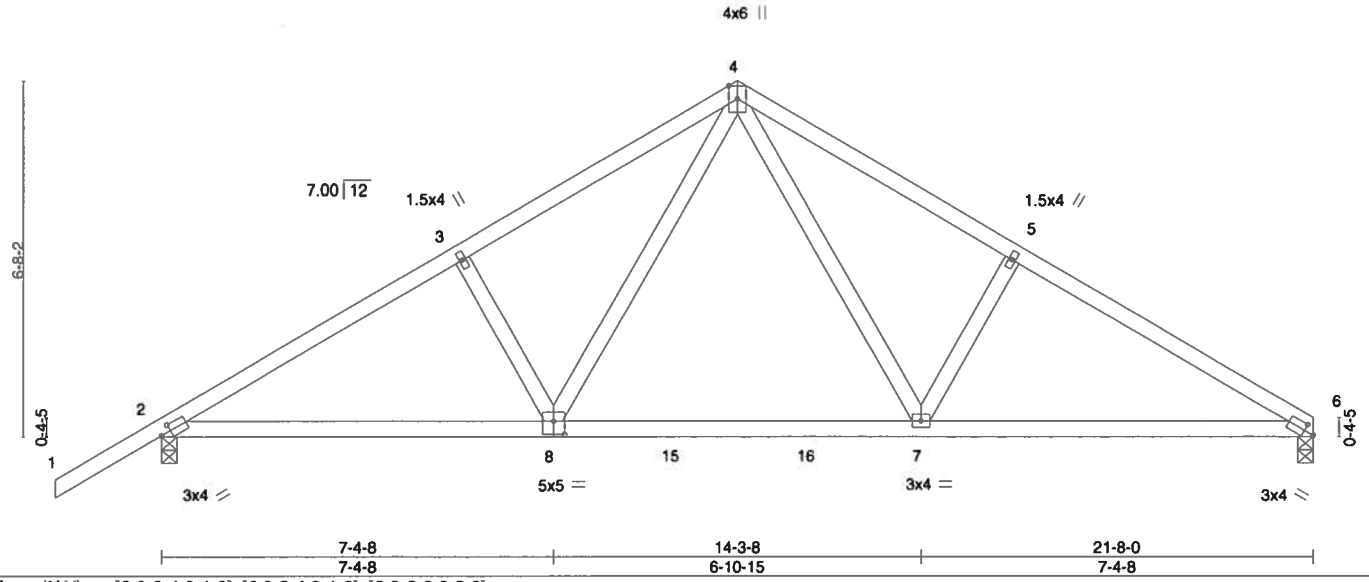
Job	Truss	Truss Type	Qty	Ply	Holloway T19217006
HOLLOWAY	C4	Common	3	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:56 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-zXa5DaVfXcysZc9i643vApcLsmo1WFJfEMIVPdzsVN6

-2-0-0	5-7-13	10-10-0	16-0-3	21-8-0
2-0-0	5-7-13	5-2-3	5-2-3	5-7-13

Scale = 1:43.4



7-4-8	14-3-8	21-8-0
7-4-8	6-10-15	7-4-8

Plate Offsets (X,Y)-- [2:0-2-4,0-1-8], [6:0-2-4,0-1-8], [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	0.31	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.15	7-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 105 lb	FT = 0%

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

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

REACTIONS. (lb/size) 6=861/0-3-8, 2=992/0-3-8
Max Horz 2=125(LC 11)
Max Uplift 2=-52(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1341/235, 3-4=-1195/272, 4-5=-1214/281, 5-6=-1344/244
BOT CHORD 2-8=-126/1123, 7-8=-10/739, 6-7=-137/1124
WEBS 4-7=-89/539, 5-7=-324/178, 4-8=-73/511, 3-8=-323/170

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) 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Holloway T19217007
HOLLOWAY	CJ01	Diagonal Hip Girder	7	1	Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:57 2020 Page 1
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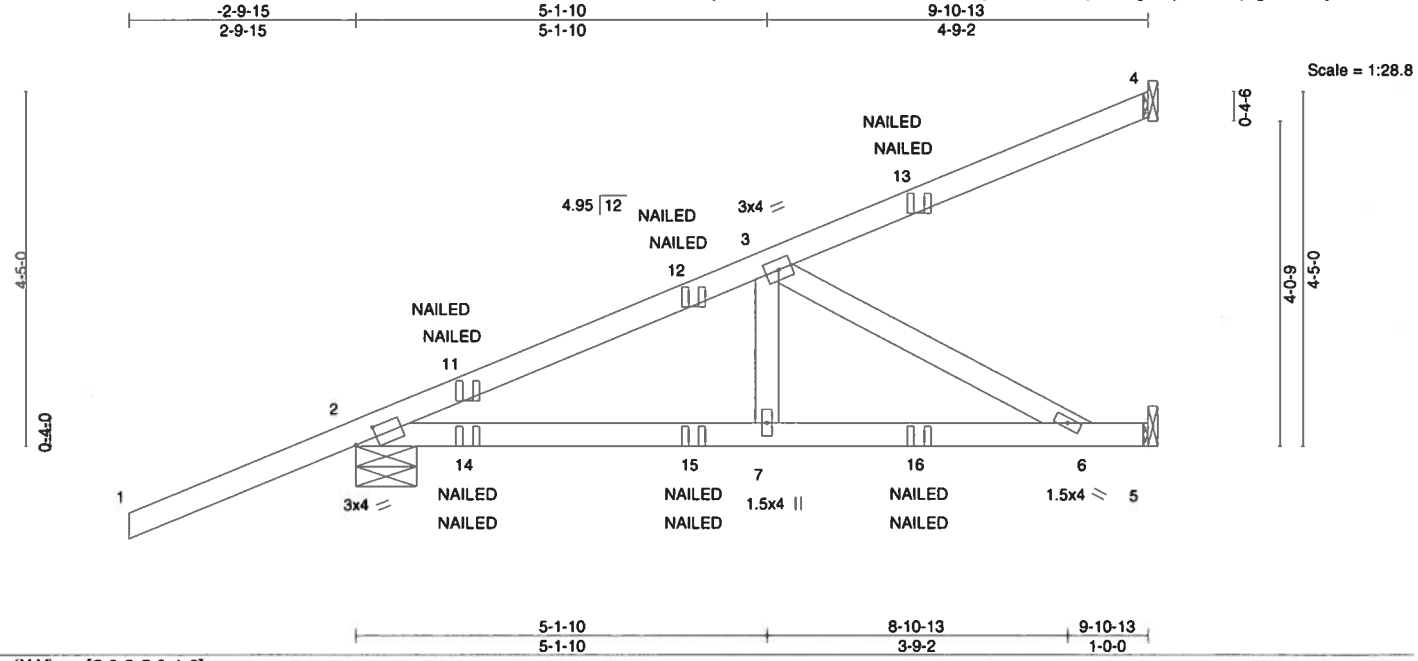

Plate Offsets (X,Y)-- [2:0-3-5,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.06	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.12	6-7	>983	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 45 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=146/Mechanical, 2=486/0-9-2, 5=286/Mechanical
Max Horz 2=140(LC 8)
Max Uplift 4=-37(LC 8), 2=-153(LC 8)
Max Grav 4=146(LC 1), 2=558(LC 28), 5=307(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-679/0
BOT CHORD 2-7=-46/570, 6-7=-46/570
WEBS 3-7=0/279, 3-6=-646/53

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=153.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=73(F=36, B=36) 13=-72(F=-36, B=-36) 14=81(F=41, B=41) 15=5(F=3, B=3) 16=-48(F=-24, B=-24)

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	D1GE	Common Supported Gable	1	1	T19217008

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:58 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-N6FDrcXYqXLRQ3tHoCcdoREsG_yljcQ5wKW90yzsVN3

-2-0-0 2-0-0 | 10-1-0 10-1-0 | 20-2-0 10-1-0 | 22-2-0 2-0-0

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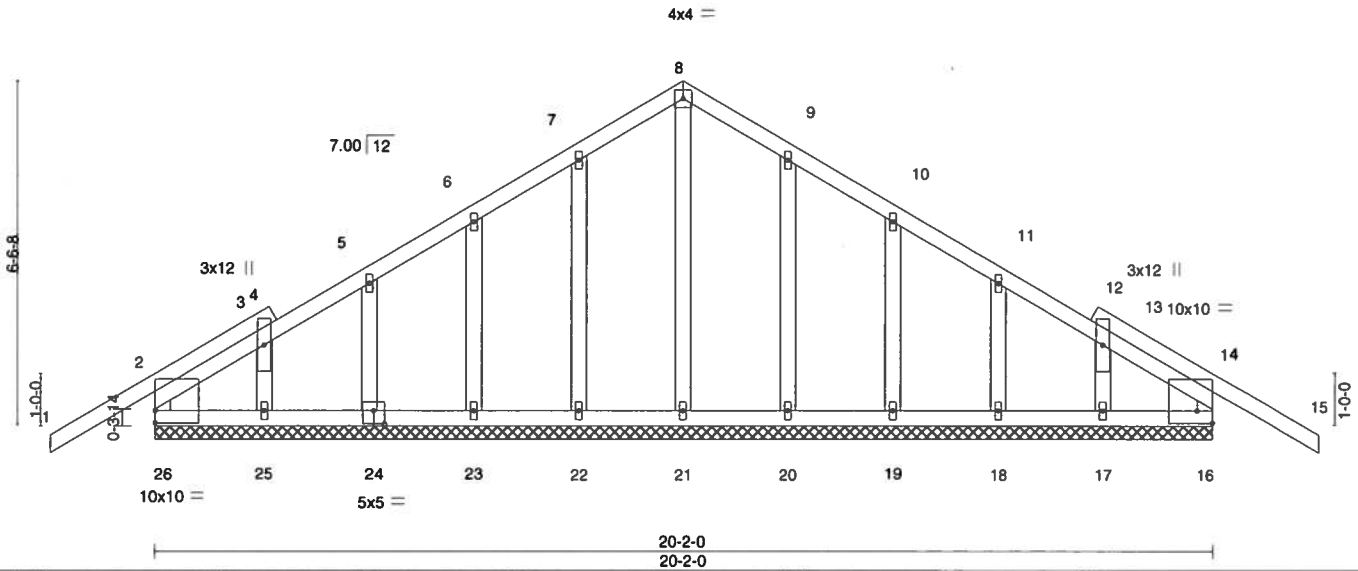

Plate Offsets (X,Y)-- [2:0-1-12,0-1-0], [14:0-1-12,0-1-0], [14:Edge,0-2-13], [16:0-1-12,0-0-0], [24:0-2-8,0-3-0], [26:0-0-0,0-2-13], [26:0-1-12,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.02	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.04	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-R							Weight: 126 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 20-2-0.
(lb) - Max Horz 26=-133(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 26, 16, 22, 23, 24, 25, 20, 19, 18, 17
Max Grav All reactions 250 lb or less at joint(s) 21, 22, 23, 24, 25, 20, 19, 18, 17 except 26=259(LC 21), 16=257(LC 22)

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) 26, 16, 22, 23, 24, 25, 20, 19, 18, 17.

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	D2	Common	1	1	T19217009
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:32:59 2020 Page 1
ID:jdsrahrVerN3D61kifouKNzsW4m-rIpb2xYAbqTI1DSTLw8sKfm2mND0S?WF9_GiYPzsVN2

-2-0-0	5-2-4	10-1-0	14-11-12	20-2-0	22-2-0
2-0-0	5-2-4	4-10-12	4-10-12	5-2-4	2-0-0

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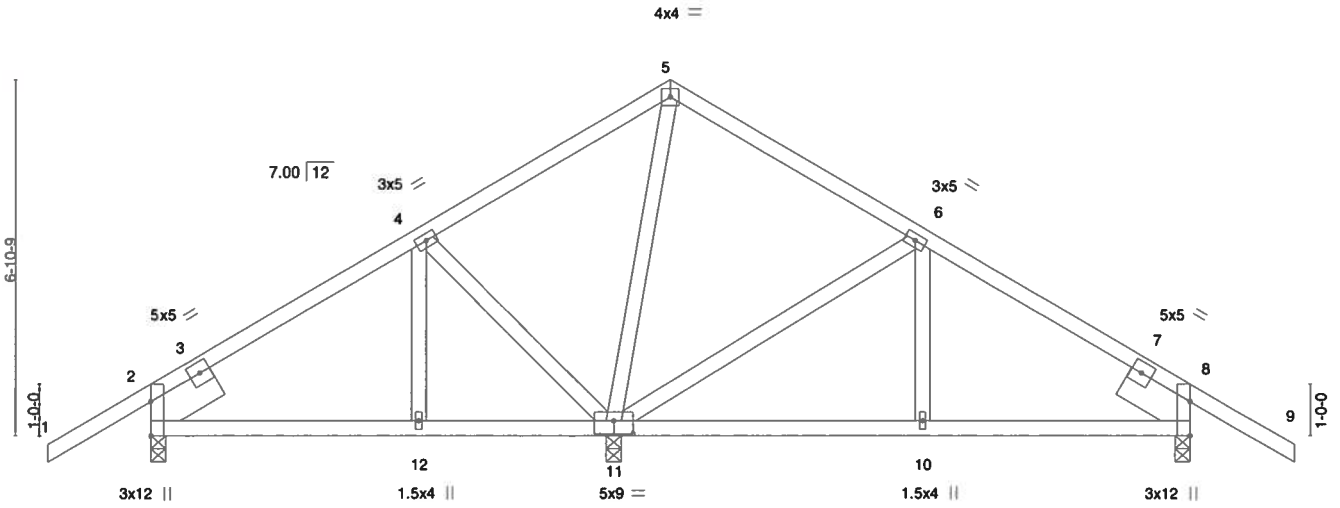

5-2-4	8-11-12	14-11-12	20-2-0
5-2-4	3-9-8	6-0-0	5-2-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.03	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.06	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 118 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x8 SP 2400F 2.0E 1-6-0, Right 2x8 SP 2400F 2.0E 1-6-0

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

REACTIONS. (lb/size) 2=411/0-3-8, 11=930/0-3-8, 8=513/0-3-8
Max Horz 2=-122(LC 10)
Max Uplift 2=-139(LC 12), 11=-55(LC 12), 8=-59(LC 12)
Max Grav 2=441(LC 21), 11=930(LC 1), 8=525(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-255/273, 6-8=-398/108
BOT CHORD 10-11=0/309, 8-10=0/309
WEBS 5-11=-387/12, 6-11=-419/118, 4-11=-348/333

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 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) 11, 8 except (jt=lb) 2=139.
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	Holloway
HOLLOWAY	D3GIR	Common Girder	1	2	T19217010

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:33:07 2020 Page 1
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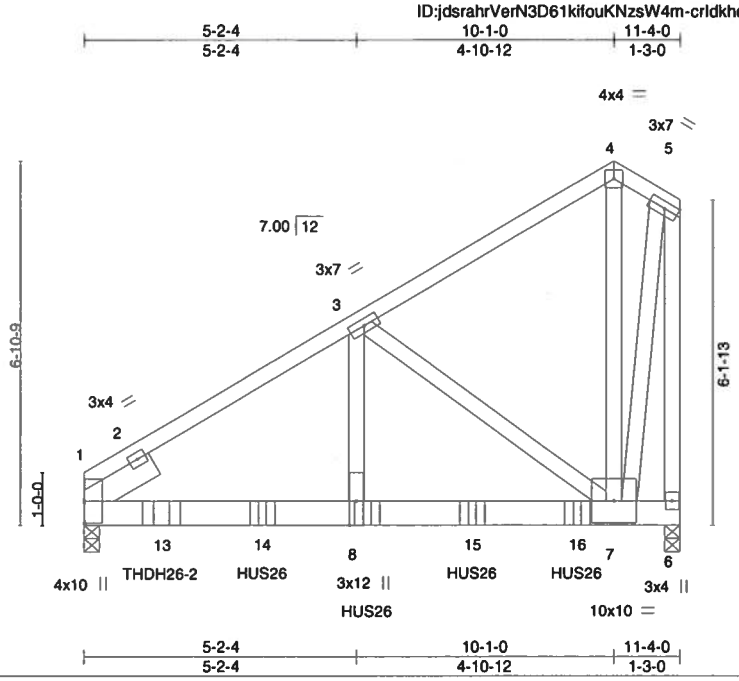


Plate Offsets (X,Y)-- [1:0-5-0,0-0-2]

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)	-0.06	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.11	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.02	1	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 178 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-6-0

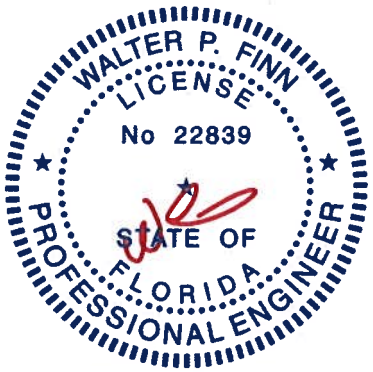
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=4641/0-3-8, 6=3499/0-3-8
Max Horz 1=182(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-4300/0, 3-4=-851/0, 4-5=-787/0, 5-6=-3811/0
BOT CHORD 1-8=0/3682, 7-8=0/3682
WEBS 3-8=0/3654, 3-7=-3760/0, 4-7=0/702, 5-7=0/3442

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 0-4-0 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 THDH26-2 (With 22-16d nails into Girder & 4-16d nails into Truss) or equivalent at 1-5-8 from the left end to connect truss(es) to front face of bottom chord.
8) Use HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 3-4-12 from the left end to 9-4-12 to connect truss(es) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 8=-1207(F) 13=-2422(F) 14=-1203(F) 15=-1207(F) 16=-1207(F)



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

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	E1GIR	Hip Girder	1	2	T19217011

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:33:08 2020 Page 1
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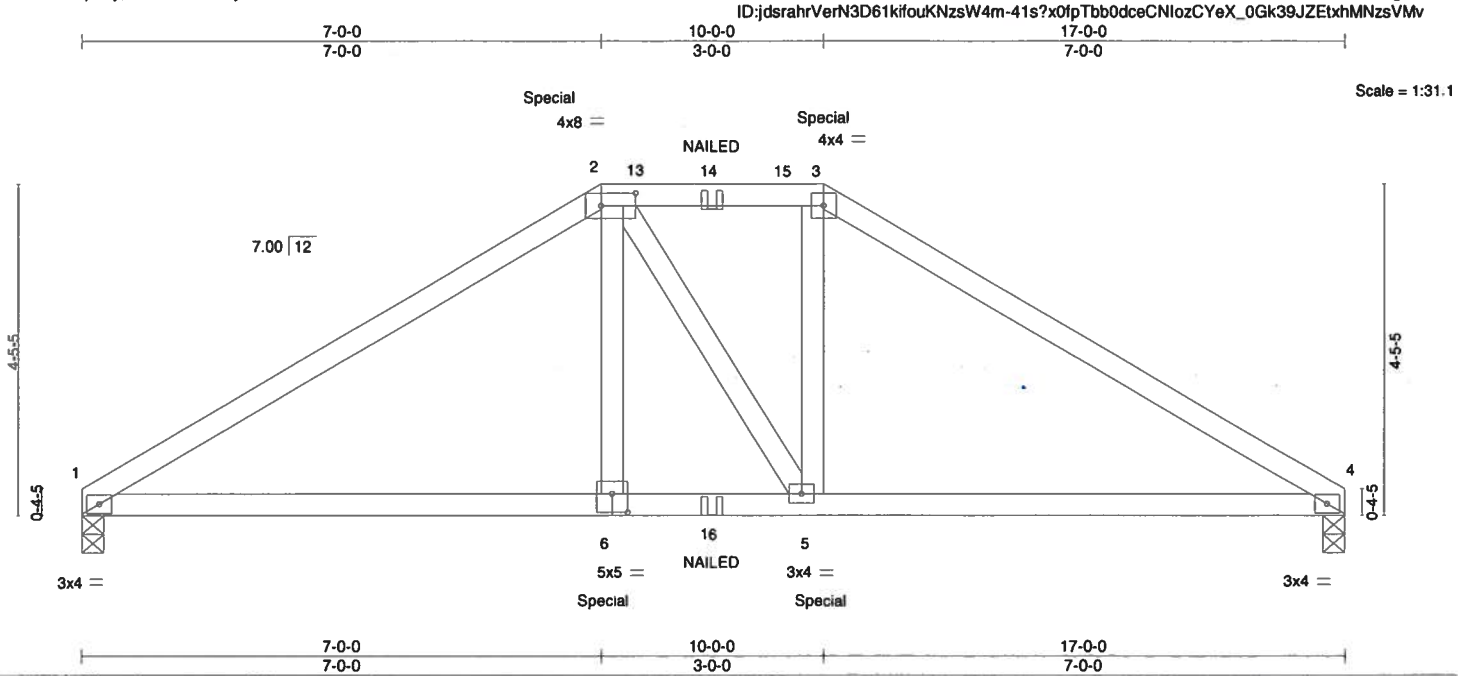


Plate Offsets (X,Y)-- [2:0-5-8,0-2-0], [6:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	0.06	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.10	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 145 lb	FT = 0%

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

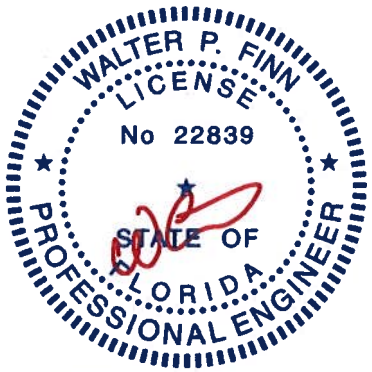
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=1268/0-3-8, 4=1268/0-3-8
Max Horz 1=-71(LC 6)
Max Uplift 1=-104(LC 8), 4=-104(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2090/130, 2-3=-1737/139, 3-4=-2092/129
BOT CHORD 1-6=-44/1719, 5-6=-41/1736, 4-5=-43/1721
WEBS 2-6=0/562, 3-5=0/564

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=104, 4=104.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 229 lb down and 145 lb up at 7-0-0, and 229 lb down and 145 lb up at 10-0-0 on top chord, and 353 lb down at 7-0-0, and 353 lb down at 9-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 7-10=-20



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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 2=-182(B) 3=-182(B) 6=-316(B) 5=-316(B) 14=-122(B) 16=-59(B)

Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	J1	Jack-Open	28	1	T19217012

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:33:09 2020 Page 1
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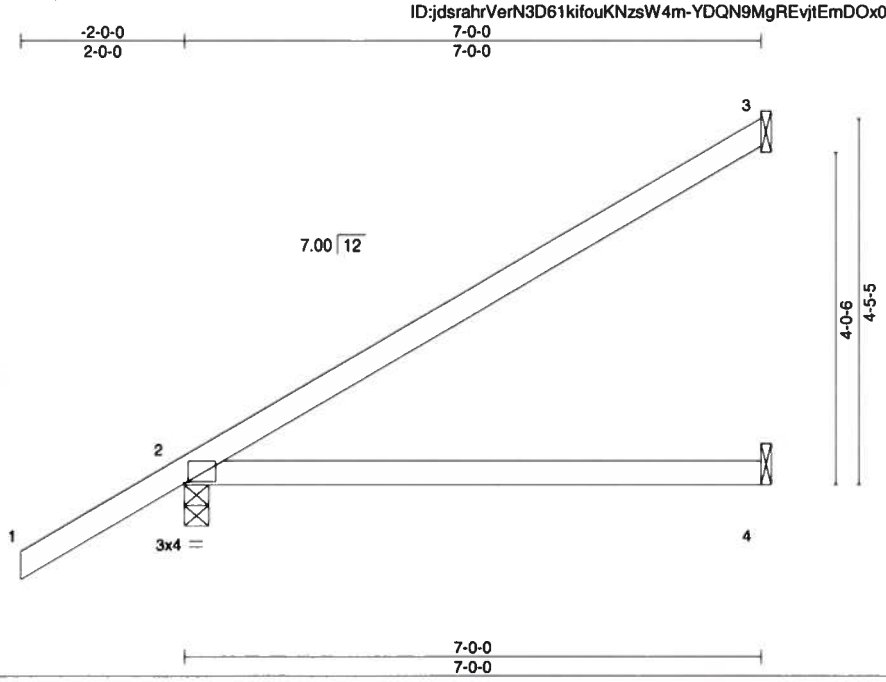


Plate Offsets (X,Y)-- [2:0-0-9,0-0-4]

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	0.57	Vert(LL)	-0.09	4-7	>945	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>403	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-AS							Weight: 26 lb	FT = 0%

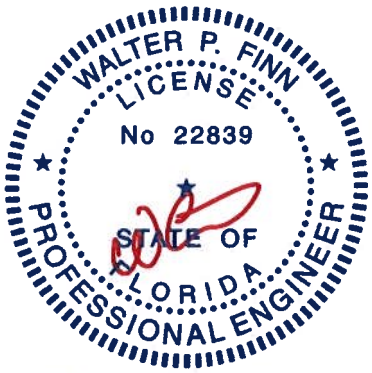
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (lb/size) 3=182/Mechanical, 2=415/0-3-8, 4=79/Mechanical
Max Horz 2=140(LC 12)
Max Uplift 3=-48(LC 12), 2=-31(LC 12)
Max Grav 3=182(LC 1), 2=415(LC 1), 4=124(LC 3)

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

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



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Date:

January 23,2020

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	J2	Jack-Open	14	1	T19217013
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:33:09 2020 Page 1
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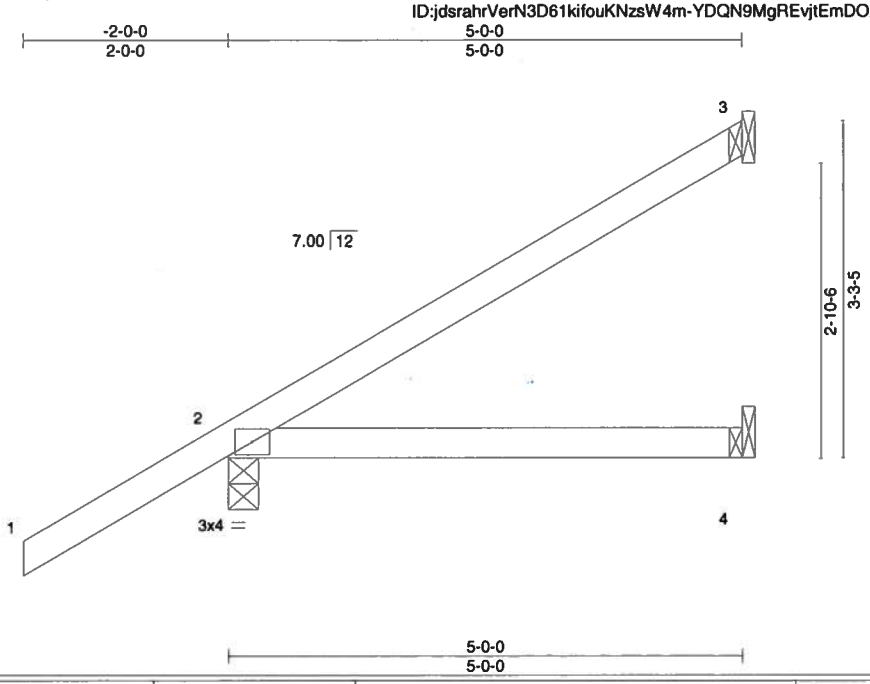

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=121/Mechanical, 2=342/0-3-8, 4=52/Mechanical
Max Horz 2=112(LC 12)
Max Uplift 3=-30(LC 12), 2=-43(LC 12)
Max Grav 3=121(LC 1), 2=342(LC 1), 4=87(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	J3	Jack-Open	14	1	T19217014

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:33:10 2020 Page 1
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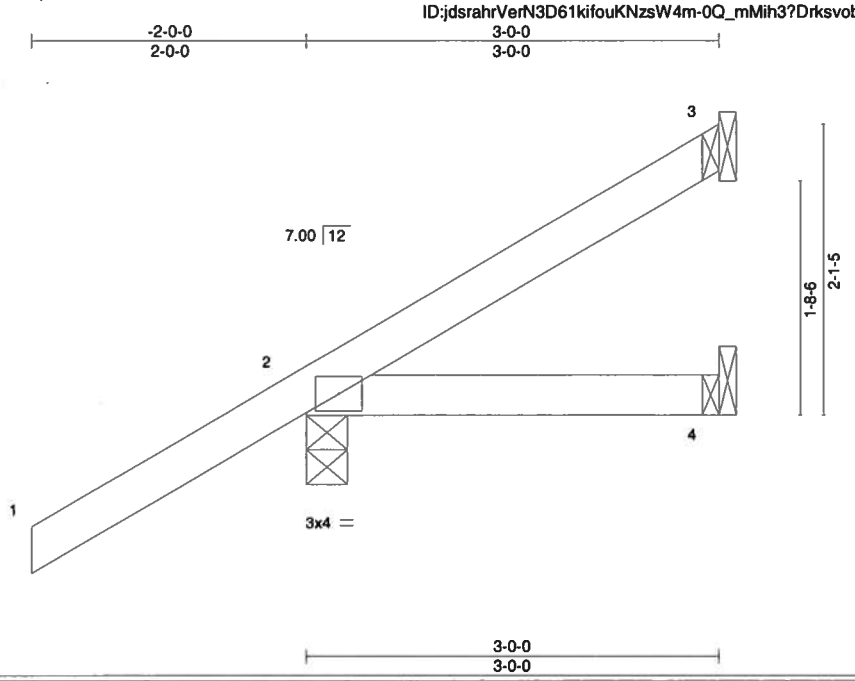

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=57/Mechanical, 2=278/0-3-8, 4=19/Mechanical
Max Horz 2=84(LC 12)
Max Uplift 3=-10(LC 12), 2=-61(LC 12)
Max Grav 3=58(LC 17), 2=278(LC 1), 4=47(LC 3)

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

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

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Job	Truss	Truss Type	Qty	Ply	Holloway
HOLLOWAY	J4	Jack-Open	14	1	T19217015

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Dec 6 2019 MiTek Industries, Inc. Thu Jan 23 10:33:11 2020 Page 1
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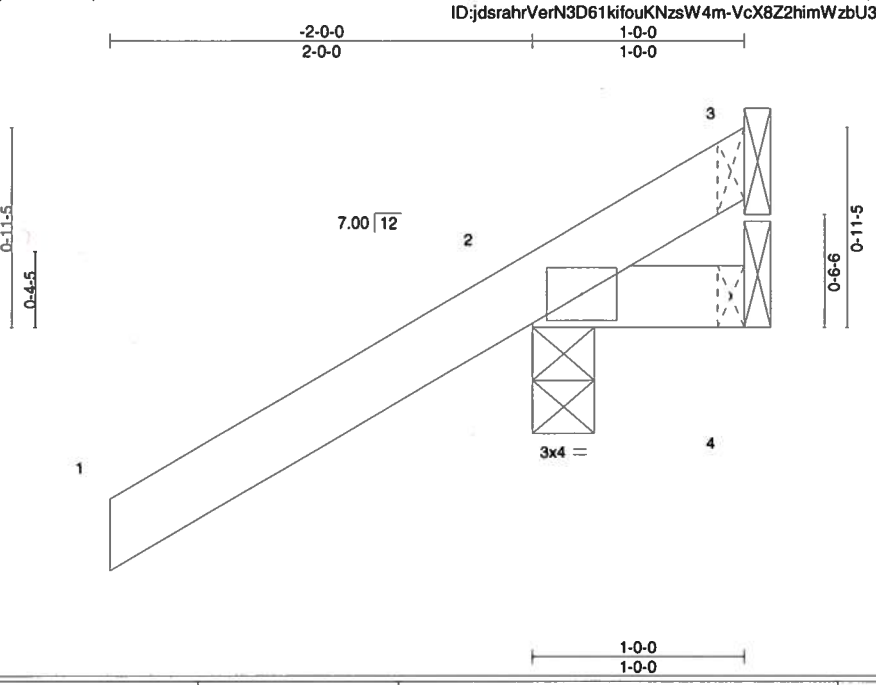

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014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

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

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

REACTIONS. (lb/size) 3=-29/Mechanical, 2=281/0-3-8, 4=-53/Mechanical
Max Horz 2=57(LC 12)
Max Uplift 3=-29(LC 1), 2=-118(LC 12), 4=-53(LC 1)
Max Grav 3=26(LC 12), 2=281(LC 1), 4=43(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=118.

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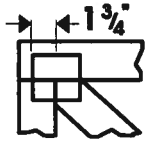
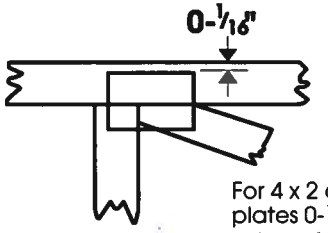
Symbols

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

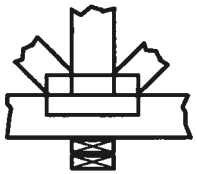
4 x 4

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

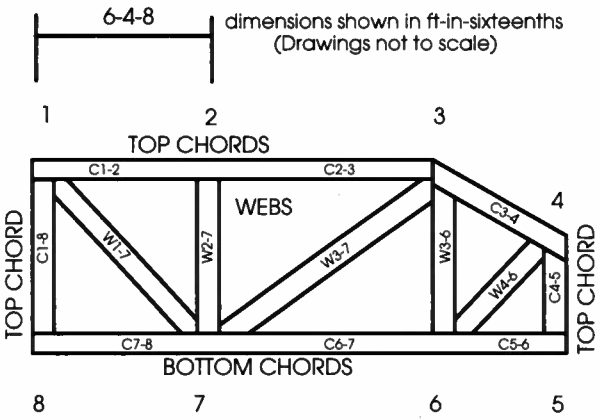


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the 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.