

cety vata litte

Columbia County New Building Permit Application Date Received 7/3/19 By MG Permit # 2860 1917-18 Application # For Office Use Only ___Land Use _ / 40 CH Date 7-15-19 Flood Zone X Zoning Zoning Official Plans Examiner 7.C. MFE / Alove River N/A NOC DEH Deed or PA Site Plan - State Road info Well Jetter 11 Sheet - Parent Parcel # Dev Permit # □ In Floodway □ Letter of Auth. from Contractor □ F W Comp. letter u Owner Builder Disclosure Statement u Land Owner Affidavit u Ellisville Water App Fee Paid Sub VF Form Septic Permit No. 19-0561 OR City Water V Fax Phone 386-623-2383 Applicant (Who will sign/pickup the permit) HOAM PAPKA Address Po Box 1921 Lake City FL 32056 MGMT Owners Name Billard Services Inc Newlywed Ct Luke City a 32024 Phone 386-623-2383 Contractors Name ADAM 1921 Lake City FL 32056 Contractor Email adum Dout thy adam am ***Include to get updates on this job. Fee Simple Owner Name & Address Bulled MGMT. Bonding Co. Name & Address Architect/Engineer Name & Address Wicholas Gesler, An 1758 NW Brown RO 32055 Mortgage Lenders Name & Address NA. Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Duke Energy 14-45-16-02973-103 Estimated Construction Cost 140, 8 Property ID Number HUNNINGTON PLACE Subdivision Name 90 60 SOUTH ON SISTERS WELOME Driving Directions from a Major Road From Hwy HOPE HENRY 60 R) & Contrave 1/2 MILE, See Sign on (R) on Curve in SUBDIVISION Construction of New Home Commercial OR ______ Residential Proposed Use/Occupancy Single Furn. Number of Existing Dwellings on Property _____ Is the Building Fire Sprinkled? NOIf Yes, blueprints included Or Explain Circle Proposed Culvert Permit or Culvert Waiver ОГ D.O.T. Permit Have an Existing Drive Actual Distance of Structure from Property Lines - Front 40 Side Side 13 Heated Floor Area 1669 Total Floor Area Number of Stories Acreage / Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) The spoke w Hodam-need E/H 7/16 MG Suft message for City letter

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.

<u>TIME LIMITATIONS OF PERMITS:</u> 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.

Print Owners Name

**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.

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

Contractor's License Number CBC1783409
Columbia County
Competency Card Number 5 4

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6 day of 14 20/9.

Personally known or Produced Identification

SEAL:

LAURIE HODSON
MY COMMISSION # FF 976102
EXPIRES: July 14, 2020

Page 2 of 2 (Both Pages must be submitted together)

Bonded Thru Notary Public Underwriters

Columbia County, FLA - Building & Zoning Property Map

Printed: Wed Jul 17 2019 18:36:10 GMT-0400 (Eastern Daylight Time)



Parcels

Addresses

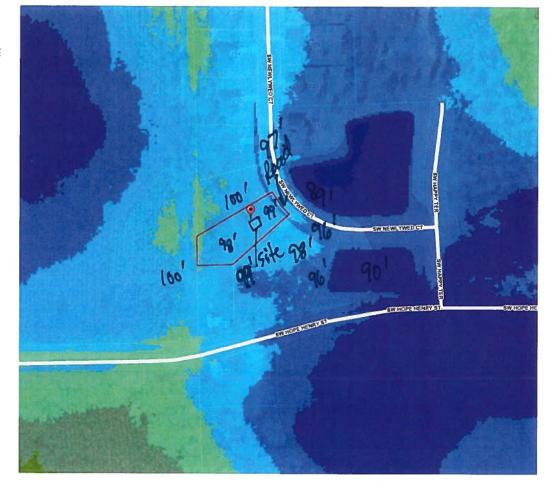
2018 Flood Zones

0.2 PCT ANNUAL CHANCE

A AE

AH

LidarElevations



Parcel Information

Parcel No: 14-4S-16-02973-103 Owner: BULLARD MANAGEMENT

Subdivision: HUNNINGTON PLACE PHASE 1

Lot:

Acres: 0.5684014 Deed Acres:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low, Residential - Very Low

Flood Zones:

Official Zoning Atlas: RR, RSF-2



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Inst. Number: 201412015932 Book: 1282 Page: 2505 Date: 10/15/2014 Time: 8:01:39 AM Page 1 of 1 Doc Deed: 910.00 P.DeWitt Cason Clerk of Courts, Columbia County, Florida

10.00

lost:201412015932 Date:10/15/2014 Time:8:01 AM Stamp-Deed:910.00 DC,P, DeWitt Cason,Columbia County Page 1 of 1 8:1282 P:2505

SPECIAL WARRANTY DEED

THIS INDENTURE, made this day of October, 2014, between BULLARD DENUNE INVESTMENT CO, a Florida corporation, whose address is Post Office Box 1733, Lake City, Florida 32056-1733, Grantor, and BULLARD MANAGEMENT SERVICES, INC., a Florida corporation, whose address is Post Office Box 1432, Lake City, Florida 32056-1432, Grantee.

Hurryban

WITNESSETH:

That Grantor, for and in consideration of the sum of TEN AND NO/100 (\$10.00) DOLLARS and other valuable consideration to Grantor in hand paid by Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to Grantees and Grantee's heirs, successors and assigns forever, the following described lands lying in COLUMBIA County, Florida:

Lots 1, 3, 4, 6, 7, 8, 9, 13, 14, 15, 16, 17 and 18, Hunnington Place Phase I, a subdivision according to the plat recorded at Plat Book 8, pages 122-123, public records of Columbia County.

(Tax parcels 14-48-16-02973- (101; 103; 104; 106; 107; 108; 109; 113; 114; 115; 116; 117; and 118)

SUBJECT TO: Taxes for 2014 and subsequent years; restrictions and easements of record; and easements shown by a plat of the property.

Grantor hereby specially warrants the title to said land and will defend the same against lawful claims of persons claiming by, through or under Grantor.

IN WITNESS WHEREOF, Grantor has hereunto caused these presents to be executed by its duly authorized officer the day above first written.

Signed, sealed and delivered in the presence of:

Print Name: Holluc Hounguer

Connie B. Roberts
Print Name: Connie B Roberts

Witnesses as to Grantor

STATE OF FLORIDA COUNTY OF COLUMBIA

BULLARD DENUNE INVESTMENT CO

By AUDREY S. BULLARD Its President

This Instrument Was Prepared By: EDDIE M. ANDERSON, P.A. Fost Office Box 1179 Lake City, Florida 32056-1179

The foregoing instrument was acknowledged before me this day of October, 2014 by AUDREY S. BULLARD, as President and on behalf of BULLARD DENUNE INVESTMENT CO. She is personally known to me.

(Notarial Seal)



Notary Public

My commission expires: 5-18-18

SUBCO	NTRA	CTOR	VERIFIC	ATION

/	1907-18	
ľ	LOS CATION, PERMIT #	JOB NAME

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

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

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

ELECTRICAL	Print Name DONALD DAVIS Signature Robeld Show	Need Lic Liab
2	Company Name: HIGH SPRINGS FLECTEIC	= w /c
380	License # E C 30023 06 Phone #: 386-623 - 0499	I DE
MECHANICAL	Print Name CLINT WILSON Signature Chit Iffer	Need Lk
	Company Name: WILSON HEATING & ALL CONDITIONING	= Uab
1	License #: BAC 057886 Phone #: 386-623-0618	I EX
PLUMBING/	1 - 2 - D - D - D - D - D - D - D - D - D	-Need - Lic
GAS V	Company Name: RALLS PLUMBING	I Liab
	License #:	□ EX
	Print Name CALEB LANGHIM Signature Miles	Need
ROOFING	0	I Lic
	_	W/C
cc_ 494	License #: (CC1327718 Phone #: 752-4022	DE Need
SHEET METAL	Print NameSignature	. LK
a 1 =	Company Name:	± Liab ± W/C
ccs / J/	License #: Phone #:	I EX
FIRE SYSTEM/	Print NameSignature	Need LK
. 1 /	Company Name:	: Liab
SPRINIAS -		EX
CC#	License#:Phone #:	Need Need
SOLAR /	Print NameSignature	- Lik
AN=	Сотралу Name:	W/C = EX
CCI	License #:Phone #:	- I DE
11/-	Print Name Signature	Need Lx
TATE Y		= Liab
PECIALTY	Company Name:	EX
CN	License #: Phone #:	Ut
	90°00 AT 1	

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.

Columbia County Property Appraiser Jeff Hampton

2018 Tax Roll Year updated: 6/25/2019

Parcel: << 14-4S-16-02973-103 >>>

EMENT 561733				
Τ.				
178 NEWLYWED CT,				
LOT 3 HUNNINGTON PLACE PHS 1. WD 1282- 2505				
S/T/R	14-4S-16			
Tax District	2			
_				

^{*}The <u>Description</u> above is not to be used as the Legal Description for this parcel in any legal transaction.
**The <u>Use Code</u> 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

Property & A	Assessment V	alues	
2018 Cert	ified Values	2019 Wor	king 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
	county:\$14,500	The state of the s	county:\$15,950
Total	city:\$14,500	Total	city:\$15,950
Taxable	other:\$14,500	Taxable	other:\$15,950
	school:\$14,500		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

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
-------------	-----------	------------	----------	---------	-----------	------------

Extra F	eatures & O	ut Buildings (Codes)			
Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
				NONE		

Land Brea	akdown				
Land Code	Desc	Units	Adjustments	Eff Rate	Land Value
000000	VAC RES (MKT)	1.000 LT - (0.570 AC)	1.00/1.00 1.00/1.00	\$16,000	\$16,000

Search Result: 1 of 1

© Columbia County Property Appraiser | Jeff Hampton | Lake City, Florida | 386-758-1083

by: GrizzlyLogic.com

Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Jul 15 2019 07:36:34 GMT-0400 (Eastern Daylight Time)

```
Parcels
Contours
  default(Contours.shp)
  DEFAULT
2018Aerials
2018 Flood Zones
  0.2 PCT ANNUAL CHANCE
DA
AE
AH
Roads
  Roads
  others
  Dirt
Interstate
Main
  Other
  Paved
Private
DevZones1
others
□ A-1
□ A-2
□ A-3
□ CG
□ CHI
CI CI
O CN
CSV
□ ESA-2
□ ILW
```



Parcel Information

Subdivision: HUNNINGTON PLACE PHASE 1

Addressing:2018 Base Flood Elevations Group Parcel No: 14-4S-16-02973-103 2018 Base Flood Elevations Owner: BULLARD MANAGEMENT

DEFAULT

DEFAULT

■ MUD-I PRD PRRD RMF-1 RMF-2 □ R0 RR RR RSF-1 RSF-2 RSF-3 RSF/MH-1 RSF/MH-2 RSF/MH-3

Base Flood Elevations

2018 Base Flood Elevation Zones

AE

- AH

0.2 PCT ANNUAL CHANCE Acres: 0.5684014 B A

Deed Acres:

Lot:

District: District 3 Bucky Nash

Future Land Uses: Residential - Low, Residential - Very Low

Flood Zones:

Official Zoning Atlas: RR, RSF-2

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STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM

PERMIT NO.	19001
DATE PAID: FEE PAID:	712-11
RECEIPT #:	1425346

APPLICATION TO	FEE PAID:
THE TON FOR	RECEIPT #: 1400
New System [] Existing System	0.00010
ADPLICANT: PAND Abandonment Holding Tank	[] Innovative
	Alaman
AGENT: Robert W Ford JR NFST INC. TEL	TOUNIKUDKO)
MAILING ADDRESS: 741 SE STATE CI	386 EPHONE: 755-6372
3-6 101)	32016
RY A TREATMENT OF A T	_
BY A PERSON LICENSED DURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA SEPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE	EMS MUST BE CONSTRUCTED
APPLICANT'S AUTHORIZED AGENT. SYSTEM APPLICANT'S AUTHORIZED AGENT. SYSTEM APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE PROPERTY INFORMATION OF STATUTORY GRANDFAT	LOT WAS CREATED OR
2 Uh 1	HER PROVISIONS.
PROPERTY ID = 111-15-110-1001 HUNNINGTON PAC	
PROPERTY ID #: 4-45-10-02013-102	C PLATTED:
PROPERTY SIZE: O. D. ACRES WATER COMPANY SIZE: I/M OR	~~
PROPERTY SIZE: O ACRES WATER SUPPLY: [] PRIVATE PUBLIC [] <	=2000GPD []>2000GPD
PROPERTY ADDRESS.	TO SEWER:
PLA TO PROPERTY: 90 west to Sisters Welcome Rd HL	KP DITTER
Rd +10 1 11 West to Sisters Welcome ex 111	LIU PKI
Site on left believed the to Newlyn	- to Hope Henry
	ed ct. t/c to
BUILDING INFORMATION [V] RESIDENTIAL	
NO FOLLAR NO STATE OF NO STATE OF THE PROPERTY	a •
Bedrooms Area Sqft Table 1, Chapter 64	ional System Design
2 VCW Hume 3 /3/24 (669 4/2	E-6, FAC
3	
4	DEGEOVEDI
	JUL 2 3 2019
[] Floor/Equipment Drains [] Other (S	EA
(Specific)	y
- trains w trains	MISTA
DATE DE 4015, 08/09 (Obsoletes previous editions which may not be used)	MICH
	Page 1 of 4



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM

PERMIT #: 12-SC-1977316

APPLICATION #: AP1425315

DATE PAID: 7/24/19

FEE PAID: 310 90 RECEIPT #:

DOCUMENT #: PR1246188

CONSTRUCTION PERMIT FOR: OSTDS New APPLICANT: BULLARD**19-0561 MANAGEMENT	
APPLICANT: BULLARD**19-0561 MANAGEMENT	
PRUPERTY ANDRESS. 470 MCM AVEC 6.	
PROPERTY ADDRESS: 178 NEWLYWED Ct Lake City, FL 32024	
LOT: 3 BLOCK: SUBDIVISION: HUNNINGTON PL PH 1	
PROPERTY ID #: 02973-103 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER] [OR TAX ID NUMBER]	
SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SE 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUAR SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL EXPICE AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FED STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.	ACTS, THE
SYSTEM DESIGN AND SPECIFICATIONS	
T [900] GALLONS / GPD Septic Tank CAPACITY A [] GALLONS / GPD N/A CAPACITY N [] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS] K [] GALLONS DOSING TANK CAPACITY [] GALLONS @[] DOSES PER 24 HRS #Pumps [
D [375] SQUARE FEET	
F LOCATION OF BENCHMARK: 20" oak tree East of site.	
I ELEVATION OF PROPOSED SYSTEM SITE [24.00] [INCHES FT] [ABOVE BELOW] BENCHMARK/REFERENCE POIN	
E BOTTOM OF DRAINFIELD TO BE [25.00] [INCHES FT] [ABOVE BELOW BENCHMARK/REFERENCE POINT BENCHMARK/REF	e e
D FILL REQUIRED: [17.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES	
The system is sized for 3 bedrooms with a maximum occupancy of 6 persons (2 per bedroom), for a total estimated flow of 300 gpd.	
н	
Σ	
R .	
SPECIFICATIONS BY: Robert W Ford TITLE:	
APPROVED BY TITLE: Environmental Specialist II	
6ATE 1880ED: 07/29/2019	CHD
DH 4016, 08/09 (Obsoletes all previous editions which may not be used) Incorporated: ME-6.003, FAC	
V 1.1.4 AP1425315 SELLP 564	

STATE OF FLORIDA DEPARTMENT OF HEALTH APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-056/ ------PART II - SITEPLAN Scale: Each block represents 10 feet and 1 inch = 40 feet. 2019 +050000100 Notes: Site Plan submitted by: Robert w Jand Plan Approved Date County Health Department ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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

Page 2 of 4



July 29, 2019

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

RE: Service Availability Letter

To Whom It May Concern,

Thank you for your inquiry regarding the availability of city utilities. The City of Lake City has potable water available to tap into at 178 SW Newlywed Ct. Parcel 14-4S-16-02973-103.

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

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

Sincerely,

Shasta Pelham

Utility Service Coordinator

Brian Scott

Director of Distribution and Collections



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

Two (2) complete sets of plans containing the following: All drawings must be clear, concise, drawn to scale, details that are not used shall be marked voi Condition space (Sq. Ft.) Designers name and signature shall be on all documents and a licensed architect or engineer, signature affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R Site Plan information including: Dimensions of lot or parcel of land Dimensions of all building set backs Location of all other structures (include square footage of structures) on parcel, existing or proposed and septic tank and all utility easements. Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details are required. GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAI Plans or specifications must show compliance with FBCR Chapter 3 Basic wind speed (3-second gust), miles per hour (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated) Wind importance factor and nature of occupancy	YES NO N/A re and official embossed seal sh
2 All drawings must be clear, concise, drawn to scale, details that are not used shall be marked voi 3 Condition space (Sq. Ft.) Designers name and signature shall be on all documents and a licensed architect or engineer, signature affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R Site Plan information including: Dimensions of lot or parcel of land Dimensions of all building set backs Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements. Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details are required. GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL Please CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL Below or specifications must show compliance with FBCR Chapter 3 Basic wind speed (3-second gust), miles per hour (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	YES NO N/A re and official embossed seal sh
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Site Plan information including: Dimensions of lot or parcel of land	101.2.1
Dimensions of all building set backs	sed - Yes
Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements. Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details are required. GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL Plans or specifications must show compliance with FBCR Chapter 3 Basic wind speed (3-second gust), miles per hour Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	sed - Yes
well and septic tank and all utility easements. 7 Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details are required. GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAI 8 Plans or specifications must show compliance with FBCR Chapter 3 9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	- Yes
7 Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details are required. GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAI 8 Plans or specifications must show compliance with FBCR Chapter 3 9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	- Ves
Wind-load Engineering Summary, calculations and any details are required. GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAI 8 Plans or specifications must show compliance with FBCR Chapter 3 9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	1 1- (8)
GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL 8 Plans or specifications must show compliance with FBCR Chapter 3 9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	
GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL 8 Plans or specifications must show compliance with FBCR Chapter 3 9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	
9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	Items to Include- Each Box shall be Marked as Applicable
9 Basic wind speed (3-second gust), miles per hour 10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	YES NO N/A
10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	Select From the Dropbo
10 (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	
is used, the wind exposure and applicable wind direction shall be indicated)	· Yes
	- 408
Wind importance factor and maintee of company	1-768
12 The applicable internal pressure coefficient, Components and Cladding	- ves
The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior components	ent,
cladding materials not specifally designed by the registered design professional.	- 818
Clauding materials not specifically designed by the registered design processing	
Elevations Drawing including:	
4 All side views of the structure	- Yes
5 Roof pitch	- Ves
6 Overhang dimensions and detail with attic ventilation	· Vas
7 Location, size and height above roof of chimneys	· V13
The state of the s	VI.a.
	1425
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1425
OA Building height from the established grade to the roots highest peak	195

Fl	191 2110	
	oor Plan including:	
	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck,	
20	Logiconics	- 497
21	Raised floor surfaces located more than 30 inches above the floor or grade	- 14
22	All exterior and interior shear walls indicated	- 4008
_23	Shear wall opening shown (Windows, Doors and Garage doors)	7/1
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each	<u> </u>
	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	- 491
	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.	
25	Safety glazing of glass where needed	1/08
	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth	- 45
26	(see chapter 10 and chapter 24 of FBCR)	
		· 405
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	
	details of guardians, nandrans	- Ves
28	Identify accessibility of bathroom (see FBCR SECTION 320)	
	. John Jan Control of Jan	
41	materials placed within eneming an entitle such that the	
	materials placed within opening or onto/into exterior walls, soffits or roofs shall	<u>nave Florida produ</u>
an	proval number and mfg. installation information submitted with the plans (see F	lorida product appr
toı	rm)	
	GENERAL REQUIREMENTS:	Items to Include-
	APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Each Box shall be
		Marked as
	* 0 0 1 0 000 0 0 10 0 0 0 0 0 0 0 0 0 0	Applicable
		YES / NO / N/A
FB	CR 403: Foundation Plans	1 D J 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		7 - 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	, A	Select From the Dropbo
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size	Select From the Dropbo
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	
30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing	Select From the Dropbo
30 31	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling.	Select From the Dropbo
30 31 32	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot	Select From the Dropbo
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30 31 32	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot	Select From the Dropbo
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30 31 32	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure with foundation which establish new electrical utility companies service connection a Concrete	Select From the Dropbo
30 31 32 33	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure 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	Select From the Dropbo
30 31 32 33	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure 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.	Select From the Dropbo
30 31 32 33 FB	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE	Select From the Dropbo
30 31 32 33 FB 34	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and/or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	Select From the Dropbo
30 31 32 33 FB 34	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE	Select From the Dropbo
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30 31 32 33 FB 34 35	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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	Select From the Dropbo
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30 31 32 33 33 FB 34 35 FB	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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	Select From the Dropbo
30 31 32 33 34 35 FB 36 FB 37	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type Show all Lintel sizes, type, spans and tie-beam sizes and spaning of reinforcement	Select From the Dropbo
30 31 32 33 FB 34 35 FB 36	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type Show all Lintel sizes, type, spans and tie-beam sizes and spaning of reinforcement	Select From the Dropbo
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30 31 32 33 34 35 FB 36 FB 37 38 M6	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement stal frame shear wall and roof systems shall be designed, signed and sealed by Florida Protection for the specific process of the signed and sealed by Florida Protection for the specific process.	Select From the Dropbo
30 31 32 33 34 35 FB 36 FB 37 38 M6	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. All posts and or column footing including size and reinforcing Any special support required by soil analysis such as piling. Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement stal frame shear wall and roof systems shall be designed, signed and sealed by Florida Preparent of the properties of the prope	Select From the Dropbo
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18		
	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls,	100
40	stem wans and or priers	- 4es
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers	- 495
	Attachment of joist to girder	- 1/08
45	Wind load requirements where applicable	· 165
44	Show required under-floor crawl space	- Kecc
45	Show required amount of ventilation opening for under-floor spaces	- FA/4-
	Show required covering of ventilation opening	- 101
47	Show the required access opening to access to under-floor spaces	- 3u
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &	
48	intermediate of the areas structural panel sheathing	- AA
49	Show Draftstopping, Fire caulking and Fire blocking	1. 2//
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	100
51		- M
		YES / NO / N/A
<u>FB</u>	CR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION	1E3 / NO / N/A
		Items to Include-
1	GENERAL REQUIREMENTS:	Each Box shall be
	APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Marked as
		Applicable
	S	elect 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	- 408
	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural	
54	members, showing fastener schedule attachment on the edges & intermediate of the areas structural	- 101
,	panel sheathing	
	Show all required connectors with a max uplift rating and required number of connectors and	
55	oc spacing for continuous connection of structural walls to foundation and roof trusses or	· Val
33	rafter systems	
	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)	- 48
56	Indicate where pressure treated wood will be placed	- 148
57	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural	
	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural	- (2)
58	panel sheathing edges & intermediate areas A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	- 1/15
59	A detail showing gable truss bracing, wan banoon framing details on and wan image storing details	
	OCD .DOOF SYSTEMS:	•
	3CR :ROOF SYSTEMS:	- 005
60	Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses	- Wes
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	- Wes
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	· Vas
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	100
64	Provide dead load rating of trusses	
	Town and I De Commission I award	59234
F	BCR 802:Conventional Roof Framing Layout	· Ves
65	Rafter and ridge beams sizes, span, species and spacing	- 1/0/8
66	Connectors to wall assemblies' include assemblies resistance to upin rating	- K100
67	Valley framing and support details	7.5
68	Provide dead load rating of rafter system	Ves
		,
F	3CR 803 ROOF SHEATHING	
60	Include all materials which will make up the roof decking, identification of structural panel	418
109		1.0
70	a chadula for structural nanel shearning on the cuges to mornion	199
		,
P	OOF ASSEMBLIES FRC Chapter 9	1. (11.8
		1100
71	Include all materials which will make up the roof assembles covering Submit Florida Product Approval numbers for each component of the roof assembles covering	1 (1/4)
1 12	DUDING A LOUISM A COURT OF THE	,

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All need 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 Items to Include-**GENERAL REQUIREMENTS:** APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL Each Box shall be Marked as Applicable Select From the Dropbox 73 Show the insulation R value for the following areas of the structure 74 Attic space 75 Exterior wall cavity 76 Crawl space **HVAC** information 77 Submit two copies of a Manual J sizing equipment or equivalent computation study 78 Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required 79 Show clothes dryer route and total run of exhaust duct Plumbing Fixture layout shown 80 All fixtures waste water lines shall be shown on the foundation plan 81 Show the location of water heater Private Potable Water 82 Pump motor horse power 83 Reservoir pressure tank gallon capacity 84 Rating of cycle stop valve if used Electrical layout shown including 85 | Show Switches, receptacles outlets, lighting fixtures and Ceiling fans 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 87 Show the location of smoke detectors & Carbon monoxide detectors 88 | Show service panel, sub-panel, location(s) and total ampere ratings 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 90 Appliances and HVAC equipment and disconnects 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.

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

Items to Include-Hach Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

02		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.	103		
93	Parcel Number The parcel number (Tax II) number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required, www.columbiacountyfla.com	图	+	
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	1	
***	BELOW ITEMS ONLY NEEDED AFTER ZONING APPROVAL HAS GIVEN.	****	444	***
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	13		
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	40/	JA	
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	46	14	
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.	ules		
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	105		
101	911 Address: An application for a 911 address must be applied for and received through the Columbia	XX.	1	1

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.

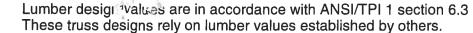
Section R101.2.1 of the Florida Building Code Residential:

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

85	Rogue Valley	Wash	FL-13137	
Item:	Manufacturer	Product Description:	Approval Number:	
Exterior Doors:	Masonite	Inswing & Outswing Fiberglass	FL-8228-R7	1
	Masonite	Inswing & Outswing Steel	FL-4904-R7	1 ~
	Plastpro	8'0" Inswing & Outswing Fiberglass	FL-15220-R1	5-17-16 Per OVEn SF. b Punc
	Plastpro	Inswing & Outswing Steel	FL-15962-R2	SF. blune
	Plastpro	6'8" Inswing & Outswing Fiberglass	FL-15215-R3 thush blued	15/87.
	,	6'8" Fib- 61/1264 logs	FL-17347	1113410
Windows:	MI	Aluiminum 185 Single Hung	FL-17499	
		Aluiminum 185 Picture Window	FL-15349	† <i>30</i>
	\$ 53" x50	11 3580 Hr. Slidge	PL-13349-Z	1
Tan 1853 (16)	vers Harne	Vinyl 3540 Single Hung	FL-17676-R1	1
FINUSI	04/ 16500	Vinyl 3500 Picture Window	FL-18644	1
	Atrium	150/160	FL-11834	
	Magnolia	Vinyl 400 Single Hung	FL-16475-R3	1
. s		Vinyl 400 Picture Window	FL-16474-R2	j
5-16	63"X 44"	400 Har Slider	FL 164761	1
Soffit:	Kaycan	Vinyl/PVC & Aluminum Soffit	FL-16503	1
		Vinyl Siding	FL-15867-R1	1
-	L/THW CHOW	International Bila Code	FSR3774	1
Underlayment:	Woodland	30# Felt	FL-17206-R3	1
	Interwrat	lhino	FL-15216	4
Roofing:	Certainteed	Asphalt Shingles:	FL-5444	
	GAF	Asphalt Shingles	FL-10124-R16	1
<i>(</i>)	Tamko	Asphalt Shingles	FL-18355	1
Pourlas A.	o 3 turked	FINTLASTIC SBS & ALP	FL-1670911	1
Siding:	Allura of Plycem	Cement board lap siding	FL-17482-R2	4
	James Hardie	Cement board lap siding	FL-13192-R4	1
Simpson		LSTA – MSTA, SPH4	FL-13872-R2	-
	GAF	Tiger Paw Underlayment	FL-15487-R5	1
Metal Roofing		5V Roofing Master Rib Roofing	FL-9555-R3 FL-9557-R3	
	Hudie	Canplane	13192.1	<u>-</u> 197

1-7-16





RE: Hunnington_1669 - Hunnington 1669

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

No.

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.

Seal# T17448400

T17448401 T17448402

T17448403

T17448404

T17448405

T17448406 T17448407 Truss Name Date

E1GIR F1GE

GIR1

J2

6/26/19

6/26/19 6/26/19

6/26/19

No. 1 23 4 5 6 7 8 9 10 11 23 14 5 6 7 11 12 13 14 15 16 17 18 19	Seal# T17448378 T17448389 T17448381 T17448383 T17448384 T17448385 T17448386 T17448387 T17448389 T17448391 T17448393 T17448393 T17448394 T17448395 T17448395	Truss Name A1GIR A2 A3 A4 A5 A6 A7 A8 A9 A10 B1GIR B2 B3 B4 B5 B6 B7 C1GE C2	Date 6/26/19
	T17448395		

6/26/19 6/26/19 6/26/19 6/26/19	CGUNE
100	MBIA COUNTY OUT OF THE OUT OUT OF THE OUT OF THE OUT OF THE OUT OF THE OUT OUT OF THE OUT
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/	TAMINER INTINIO

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

Truss Design Engineer's Name: Albani, Thomas

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

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.

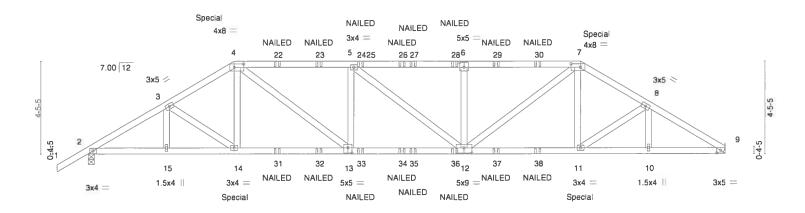


Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

Job	Tr	russ	Truss Type	144	Qty	Ply	Hunnington	1669		T17448378
HUNNINGTON_16	69 A	1GIR	Hip Girder		1	2				111440010
							Job Reference			
Mayo Truss Com	pany, Inc.,	Mayo, FL - 32066,			8	3.220 s Nov	16 2018 MiTe	k Industries, Inc. Wed	l Jun 26 11:46:05	2019 Page 1
				ID:jnDJTo	8GRK_xk	kcLL9i7hczz	2p6P-?oLQM	7BWeWb7mjQZZnJT9	SmjlStKTpyv8Wd	URCaz2QMm
-1-6-0	3-8-13	7-0-0	12-7-4	18-0-12	- 1	2	3-8-0	26-11-3	30-8-0	40
1-6-0	3-8-13	3-3-3	5-7-4	5-5-8	5.71		5-7-4	3-3-3	3-8-13	

Scale = 1:55.7



		3-8-13 7-0-0		12-7-4	18-0-12		23-8-0			0-8-0
		3-8-13 3-3-3		5-7-4	5-5-8		5-7-4	- 1	3-3-3 3	-8-13
Plate Offs	ets (X,Y)	[4:0-5-8,0-2-0], [6:0-2-8,0	0-3-0], [7:0-5-8	,0-2-0], [9:0-2-3,0	-1-8], [12:0-4-8,0-3-0], [1	3:0-2-8,0-3-0]				
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defi	L/d	PLATES	GRIP
TCLL	20.ó	Plate Grip DOL	1.25	TC 0.5	4 Vert(LL)	-0.15 12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.7	9 Vert(CT)	-0.32 12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB 0.2	1 Horz(CT)	0.10 9	n/a	n/a		
BCDL	10.0	Code FBC2017/T	PI2014	Matrix-MS	` ′				Weight: 332	Ib FT = 0%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.2 WEBS

(lb/size) 9=2517/Mechanical, 2=2611/0-3-8

Max Horz 2=83(LC 7) Max Uplift 2=-28(LC 8)

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

TOP CHORD 2-3=-4592/0, 3-4=-4436/8, 4-5=-5247/70, 5-6=-5282/75, 6-7=-5282/75, 7-8=-4448/14,

8-9=-4621/0

BOT CHORD 2-15=0/3909, 14-15=0/3909, 13-14=0/3826, 12-13=0/5274, 11-12=0/3836, 10-11=0/3939,

9-10=0/3939

WEBS 4-14=0/660, 4-13=-66/1821, 5-13=-793/199, 6-12=-765/202, 7-12=-66/1838, 7-11=0/672,

8-11=-256/125

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.
- * 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 7) 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) 233 lb down and 149 lb up at 7-0-0, and 233 lb down and 149 lb up at 23-8-0 on top chord, and 355 lb down at 7-0-0, and 355 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

Continued on page 2

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design voild 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 aor chord y damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Structural wood sheathing directly applied or 4-9-13 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

June 26,2019



Qty Truss Type Ply Hunnington 1669 Job Truss T17448378 A1GIR HUNNINGTON_1669 Hip Girder 2 Job Reference (optional)

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:05 2019 Page 2 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-?oLQM7BWeWb7mjQZZnJTSmjIStKTpyv8WdURCaz2QMm

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

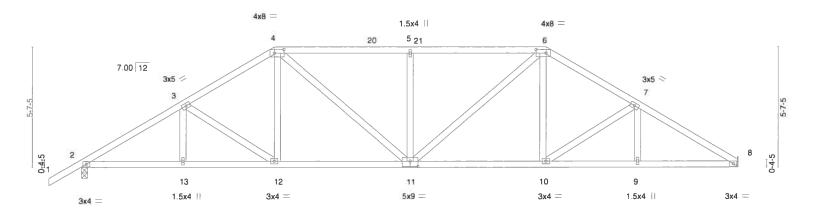
Vert: 1-4=-60, 4-7=-60, 7-9=-60, 16-19=-20

Concentrated Loads (lb)

Vert: 4=-186(B) 7=-186(B) 14=-355(B) 11=-355(B) 22=-126(B) 23=-126(B) 24=-126(B) 26=-126(B) 27=-126(B) 28=-126(B) 29=-126(B) 30=-126(B) 31=-62(B) 32=-62(B) 33=-62(B) 35=-62(B) 35=-62(B)

Qty Job Truss Truss Type Ply Hunnington 1669 T17448379 HUNNINGTON_1669 A2 Hip Job Reference (optional) Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:07 2019 Page 1 Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-yBTAmpCnA8rq01ayhCLyXBog5h5mGsMQ_wzXHTz2QMk 15-4-0 21-8-0 25-11-3 30-8-0 6-4-0 4-8-13 4-8-13 4-3-3

Scale = 1:54.0



	-		0-0-0 1-3-3	15-4-0 6-4-0	+	21-8-0 6-4-0	+	25-11-3 4-3-3	30-1 4-8-	
Plate Offs	sets (X,Y)					0-4-0		400		10
LOADING	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defI	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)	-0.21 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/T	PI2014	Matrix-AS				18	Weight: 166 lb	FT = 0%

BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

WEBS 2x4 SP No.2

REACTIONS. (lb/size) 8=1224/Mechanical, 2=1319/0-3-8

Max Horz 2=103(LC 11) Max Uplift 2=-38(LC 12)

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

TOP CHORD 2-3=-2099/377, 3-4=-1780/376, 4-5=-1818/427, 5-6=-1818/427, 6-7=-1786/379,

BOT CHORD 2-13=-260/1759, 12-13=-260/1759, 11-12=-166/1489, 10-11=-168/1493, 9-10=-271/1782,

3-12=-380/112, 4-12=0/354, 4-11=-90/515, 5-11=-425/192, 6-11=-86/510, 6-10=-1/357,

7-10=-375/122

NOTES-

WEBS

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.
- * 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.



MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

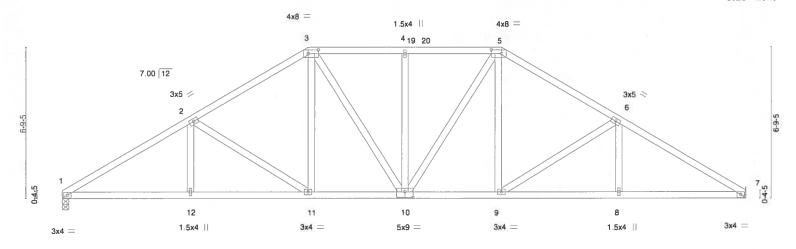
🛕 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

Design volid for use only with MTEAN (Described on the Control of the Control of



Job Truss Truss Type Qty Plv Hunnington 1669 T17448380 **HUNNINGTON 1669** АЗ Hip | Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:08 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc. ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-QN1Y_9DPxRzhdB98FwsB4PLtY5Rd?HbaCaj5pvz2QMj 30-8-0 11-0-0 19-8-0 4-4-0 5-3-3 5-8-13

Scale = 1:51.9



L		5-8-13	11-0-0	15-4-0	19-8-0	- 1	24-11-3	30-8	
		5-8-13	5-3-3	4-4-0	4-4-0		5-3-3	5-8-1	3
Plate Offse	ets (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. ir	ı (loc)	I/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	9-10	>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/T	Pl2014	Matrix-AS	, ,			Weight: 174 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

2x4 SP No.2 WEBS

REACTIONS. (lb/size) 1=1227/0-3-8, 7=1227/Mechanical

Max Horz 1=112(LC 11)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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.
- * 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.



MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MIL-7473 rev. 10/03/2015 BEFORE USE.

Design volid for use only with MTR-LNR 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, seeANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Informationavailable from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply Hunnington 1669 T17448381 **HUNNINGTON 1669** Hip A4 Job Reference (optional) Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11 46:09 2019 Page 1 Mayo Truss Company, Inc. ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-uZbwBVE1iI5YFKkKodNQcct?PVmqkg6jRESeLLz2QMi 13-0-0 30-8-0 6-8-13 6-8-13 6-8-13 6-3-3 4-8-0 Scale = 1:51.9 4x8 = 4x6 = 3 17 18 7.00 12 3x5 / 5 2 9 7 10 8 3x4 = 5x5 = 5x9 = 1.5x4 || 1 5x4 || 3x4 = 23-11-3 30-8-0 17-8-0 6-8-13 13-0-0 6-8-13 6-3-3 6-3-3 6-8-13 [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] Plate Offsets (X,Y)--LOADING (psf) SPACING-DEFL I/defl L/d **PLATES** GRIP 2-0-0 CSI. in (loc) Vert(LL) -0.08 >999 240 MT20 244/190 Plate Grip DOL 1.25 TC 0.42 8-9 TCLL 20.0

-0.17

0.08

Vert(CT)

Horz(CT)

BRACING-

WEBS

TOP CHORD

BOT CHORD

9-10

6

1 Row at midpt

>999

n/a

Rigid ceiling directly applied.

180

n/a

Structural wood sheathing directly applied.

Weight: 165 lb

FT = 0%

LUMBER-

TCDL

BCLL

BCDL

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

10.0

10.0

0.0

2x4 SP No.2 WEBS

REACTIONS. (lb/size) 1=1227/0-3-8, 6=1227/Mechanical

Lumber DOL

Rep Stress Incr

Code FBC2017/TPI2014

Max Horz 1=-133(LC 10)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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 2-10=0/281, 2-9=-590/188, 3-9=-36/434, 4-8=-35/435, 5-8=-592/188, 5-7=0/282 **WEBS**

1.25

YES

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

0.57

0.58

BC

WB

Matrix-AS

- 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.



6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019



🗥 WARNING - Verity 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 MTB(NE) connectors. This design is based only upon parameters and properly incorporate this design is based only upon parameters and properly incorporate this design into the overall 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. seeANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Informationavailable from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Truss Type Job Truss Qty Hunnington 1669 T17448382 HUNNINGTON_1669 A5 Hip Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:11 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-qyjhcBFHEMLGUeujw2Quh1zJIIL6CXp0uYxlQEz2QMg 16-0-0 1-10-9 3-3-8 9-1-12 5-10-4 15-0-0 5-10-4 0-4-0 Scale = 1:70.1 3x4 = 3x4 = 7.00 12 567 3x5 8 5×5 3x5 < 9 5x5 < 10 3x7 / 4x8 / 2 16 18 4x6 = 21 20 14 13 12 15 3x4 3x9 = 1.5x43x4 3x9 = 1.5x4 3x4

1-10-9 3-3-8 9-1-12 15-0-0 16-0-0 20-8-13 25-5-10 30-8-0 1-10-9 1-4-15 5-10-4 5-10-4 1-0-0 4-8-13 4-8-13 5-2-6

5x9 =

BRACING-

WEBS

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 14-16

1 Row at midpt

Plate Offsets (A, 1)	[4:0-2-8,0-3-0], [10:0-2-8,0-3-0], [16:0-6-4,0-4-0], [19:0-7-0,Edge]	
		-

5x12 MT20HS =

3x7

LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.23	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.49	18-19	>749	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.26	11	n/a	n/a		
BCDL	10.0	Code FBC2017/T	PI2014	Matri	x-AS						Weight: 200 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

16-19: 2x4 SP No.1

WEBS 2x4 SP No.2

REACTIONS. (lb/size) 1=1237/0-3-8, 11=1239/Mechanical

Max Horz 1=153(LC 11)

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

TOP CHORD 1-2=-2148/330, 2-3=-4876/712, 3-4=-2244/363, 4-5=-1515/320, 5-6=-1219/316,

6-7=-1219/316, 7-8=-1396/334, 8-9=-1676/345, 9-10=-1753/331, 10-11=-2136/336

BOT CHORD 1-21=-254/1831, 20-21=-72/388, 3-19=-163/1637, 18-19=-652/4530, 17-18=-172/1891,

16-17=-34/1384, 8-16=-109/677, 12-13=-222/1787, 11-12=-221/1790 2-21=-1479/207, 19-21=-247/1955, 2-19=-310/2323, 3-18=-2659/484, 4-18=0/494,

4-17=-829/216, 13-16=-112/1421, 10-13=-413/134, 6-17=-197/1121, 8-17=-653/137

NOTES-

WEBS

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



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

June 26,2019

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, cellivery, erection and bracing of frusess and fruss systems, seeANSI/TPI1 Quality Criteria, DS8-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Ply Job Truss Truss Type Qty Hunnington 1669 T17448383 HUNNINGTON 1669 A6 Roof Special Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:12 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066. ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-l8G3qXGv?gT76oTvUmx7EFVWSihgxyN97Chlygz2QMf 1-10-9 3-3-8 1-10-9 1-4-15 9-3-12 15-4-0 16-0₁0 25-6-4 30-8-0 6-0-4 0-8-0 4-9-2 4-9-2 Scale: 3/16"=1" 4x4 = 1.5x4 || 5 6 7.00 12 3x5 \ 3x5 🗸 4 5x5 > 5x7 / 3x5 15 13 14 5x9 8x10 <u>⊗</u> 10 4x6 = 16 12 17 1.5x4 || 3x4 = 1.5x4 || 3x9 2x4 3x4 = 3x5 20-9-2 25-8-0 30-8-0 1-10-9 3-3-8 25-6-4 9-3-12 16-0-0 4-9-2 0-1-12 5-0-0 6-0-4 6-8-4 4-9-2 Plate Offsets (X,Y)--[3:0-3-8,0-3-0], [8:0-2-8,0-3-0], [13:0-4-8,0-3-4], [15:0-5-12, Edge] DEFL. I/defI **PLATES** GRIP LOADING (psf) SPACING-2-0-0 CSI (loc) L/d Plate Grip DOL 1.25 TC 0.43 Vert(LL) -0.17 14-15 >999 240 MT20 244/190 **TCLL** 20.0

LUMBER-

TCDL

BCLL

BCDL

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

10.0

10.0

0.0

2x4 SP No.2 WEBS

BRACING-

Vert(CT)

Horz(CT)

TOP CHORD **BOT CHORD** WEBS

-0.37 14-15

10

0.18

Structural wood sheathing directly applied.

180

n/a

Weight: 193 lb

FT = 0%

Rigid ceiling directly applied. 1 Row at midpt

>834

n/a

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

Max Horz 1=156(LC 11)

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

TOP CHORD 1-2=-1676/232, 2-3=-3770/480, 3-4=-1606/231, 4-5=-879/194, 5-6=-839/226,

1.25

YES

6-7=-917/198, 7-8=-716/101, 8-9=-221/405

Lumber DOL

Rep Stress Incr

Code FBC2017/TPI2014

1-17=-170/1425, 16-17=-54/298, 3-15=-85/1263, 14-15=-432/3416, 13-14=-55/1343, **BOT CHORD**

9-10=-274/229

2-17=-1140/137, 15-17=-158/1527, 2-15=-195/1792, 3-14=-2095/381, 4-14=0/475, WEBS

4-13=-804/203, 5-13=-94/584, 11-13=0/554, 7-13=0/269, 7-11=-563/146, 8-11=-156/951,

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

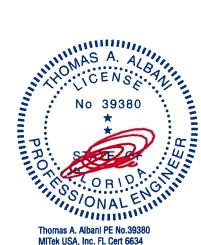
BC

WR 0.93

Matrix-AS

0.94

- 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.



MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

MiTek 6904 Parke East Blvd. Tampa, FL 33610

Qty Ply Hunnington 1669 Truss Type Job Truss T17448384 HUNNINGTON_1669 A7 Common Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:13 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-mLqR1sHXm_b_ky261TSMnS2ia69_gUuJMsQsU6z2QMe 30-8-0 10-4-8 15-4-0 20-5-2 25-6-4 5-1-2 5-1-12 4-11-8 4-11-8 Scale = 1:57.7 4x4 = 7.00 12 3x5 < 3x5 < 5 5x5 5x5 9 12 11 10 3x4 = 1.5x4 || 1.5x4 || 3x4 = 5x9 = 3x4 = 3x4 = 30-8-0 10-4-8 15-4-0 20-5-2 25-6-4 25,8-0 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-**TCLL** 20.0 Plate Grip DOL 1.25 TC 0.34 TCDL 10.0 Lumber DOL 1.25 ВС 0.43 WВ 0.59 **BCLL** 0.0 Rep Stress Incr YES Code FBC2017/TPI2014 BCDL 10.0 Matrix-AS

L∕d DEFL (loc) I/defl 240 Vert(LL) -0.0411 >999 Vert(CT) -0.09 11-12 >999 180 Horz(CT) 0.03 8 n/a n/a

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

BRACING-

TOP CHORD

BOT CHORD

PLATES GRIP MT20 244/190

Weight: 177 lb FT = 0%

LUMBER-

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

2x4 SP No.2

REACTIONS. (lb/size) 1=979/0-3-8, 8=1474/0-3-8

Max Horz 1=156(LC 11)

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

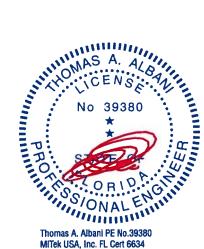
BOT CHORD 1-12=-129/1344, 11-12=-130/1341, 10-11=-14/984, 9-10=0/575, 7-8=-272/229 **WEBS** 2-11=-436/140, 3-11=-14/369, 3-10=-553/172, 4-10=-91/527, 5-9=-415/166,

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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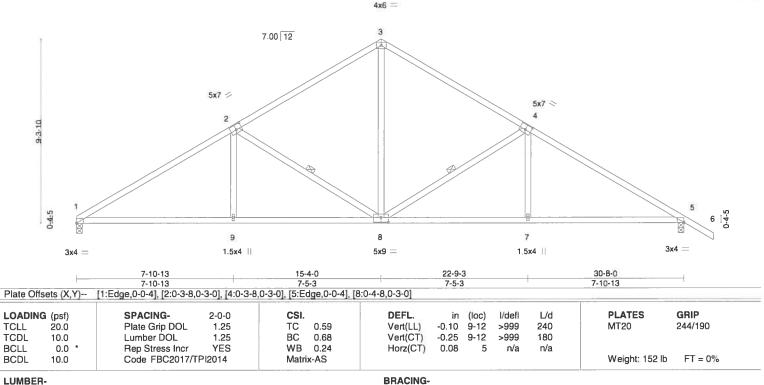
June 26,2019

🔔 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 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, seeANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Informationavailable from Truss Plate Institute, 218 N. Lee Street. Suite 312, Alexandria. VA 22314.



Job Truss Truss Type Qty Hunnington 1669 T17448385 HUNNINGTON_1669 **A8** Common Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:15 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-jjyBSYlolbrizFBU9uUqst7_CvnR8UocpAvyZ?z2QMc 32-2-0 7-10-13 15-4-0 22-9-3 30-8-0 7-10-13 1-6-0 7-5-3

Scale = 1:58.4



TOP CHORD

BOT CHORD

WEBS

Structural wood sheathing directly applied.

4-8, 2-8

Rigid ceiling directly applied.

1 Row at midpt

LUMBER-

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

REACTIONS. (lb/size) 1=1224/0-3-8, 5=1319/0-3-8

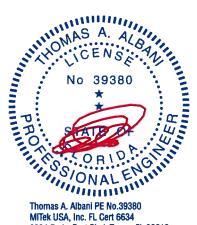
Max Horz 1=-167(LC 10) Max Uplift 5=-38(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-1971/338, 2-3=-1362/321, 3-4=-1361/321, 4-5=-1984/334 TOP CHORD 1-9=-162/1641, 8-9=-163/1638, 7-8=-158/1628, 5-7=-157/1631 **BOT CHORD** WEBS 3-8=-138/865, 4-8=-686/214, 4-7=0/325, 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.
- * 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.



6904 Parke East Blvd. Tampa FL 33610

June 26,2019

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

6904 Parke East Blvd. Tampa, FL 33610

Job Truss Truss Type Qty Ply Hunnington 1669 T17448386 3 **HUNNINGTON 1669** A9 Roof Special Job Reference (optional) Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:16 2019 Page 1 Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-BvWafuJQ2vzZbPmhjb?3O5gB?J3utrhl2qfW5Rz2QMb 28-9-7 30-8-0 32-2-0 1-4-15 1-10-9 1-6-0 27-4-8

18-8-0

3-4-0

5-4-8

27-4-8

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

1 Row at midpt

3x7 =

28-9-7, 30-8-0

15-4-0

4-11-8

4-11-8

Scale = 1:65.5

4x4 = 5 7.00 12 3x12 < 6 3x5 🗸 3x4 || 5x5 / 3x9 < 5x5 < 9 15 10 8x12 MT20HS = 20 19 18 17 16 5x12 MT20HS = 13 12 3x4 = 1.5x4 || 5x5 = 3x9 =3x4 = 1.5x4 3x4

5-5-1	4-11-8	4-11-8	3-4-0	3-4-0	1	5-4-8	1-4-15 1-10-9	
[3:0-2-8,0-3-0], [9:0-2-8,0	-3-0], [14:0-7-0	,Edge], [19:0-2-8,0-3-0]					_	
SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
Plate Grip DOL	1.25	TC 0.46	Vert(LL)	-0.22 14-15	>999	240	MT20	244/190
Lumber DOL	1.25	BC 0.86	Vert(CT)	-0.46 14-15	>797	180	MT20HS	187/143
Rep Stress Incr	YES	WB 0.59	Horz(CT)	0.24 10	n/a	n/a		
Code FBC2017/TI	PI2014	Matrix-AS					Weight: 207 I	b FT = 0%
	5-5-1 [3:0-2-8,0-3-0], [9:0-2-8,0 SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	5-5-1 4-11-8 [3:0-2-8,0-3-0], [9:0-2-8,0-3-0], [14:0-7-0] SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25	5-5-1 4-11-8 4-11-8 [3:0-2-8,0-3-0], [9:0-2-8,0-3-0], [14:0-7-0, Edge], [19:0-2-8,0-3-0] SPACING- 2-0-0 CSI. Plate Grip DOL 1.25 TC 0.46 Lumber DOL 1.25 BC 0.86 Rep Stress Incr YES WB 0.59	SPACING- 2-0-0 CSI. DEFL.	SPACING- 2-0-0 CSI. DEFL. in (loc)	SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl	SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl L/d	5-5-1 4-11-8 4-11-8 3-4-0 3-4-0 5-4-8 1-4-15 1-10-9 [3:0-2-8,0-3-0], [9:0-2-8,0-3-0], [14:0-7-0,Edge], [19:0-2-8,0-3-0] SPACING- 2-0-0 CSI. DEFL. in (loc) I/defl L/d PLATES Plate Grip DOL 1.25 TC 0.46 Vert(LL) -0.22 14-15 >999 240 MT20 Lumber DOL 1.25 BC 0.86 Vert(CT) -0.46 14-15 >797 180 MT20HS Rep Stress Incr YES WB 0.59 Horz(CT) 0.24 10 n/a n/a

18-8-0

BRACING-

WEBS

TOP CHORD

BOT CHORD

22-0-0

15-4-0

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 *Except* BOT CHORD

-1-6-0 1-6-0

14-15: 2x4 SP No.1 2x4 SP No.2

WFBS

(lb/size) 2=1317/0-3-8, 10=1317/0-3-8 REACTIONS.

Max Horz 2=-171(LC 10)

Max Uplift 2=-36(LC 12), 10=-36(LC 12)

5-5-1

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

2-3=-2074/333, 3-4=-1697/335, 4-5=-1296/333, 5-6=-1259/341, 6-7=-2197/460, TOP CHORD

7-8=-2240/363, 8-9=-4748/646, 9-10=-2055/303 2-20=-176/1730, 19-20=-177/1728, 18-19=-79/1395, 17-18=-40/1268, 7-15=-315/174,

BOT CHORD 14-15=-558/4387, 8-14=-118/1583, 12-13=-66/371, 10-12=-200/1737

3-19=-426/129, 4-19=-10/371, 4-18=-553/173, 5-18=-224/982, 6-18=-520/160,

10-4-8

6-17=-325/42, 15-17=-15/1271, 6-15=-205/1233, 8-15=-2515/414, 12-14=-197/1977,

9-14=-272/2218, 9-12=-1523/185

NOTES-

WEBS

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, 10.
- 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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June 26,2019



Truss Type Qty Ply Hunnington 1669 Job Truss T17448387 HUNNINGTON_1669 A10 Common 2 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:02 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-bDgHj68eLbCYvFi_uflmq85npgLYccehqfGmbFz2QMp 22-9-3 30-8-0 32-2-0 -1-6-0 1-6-0 7-10-13 7-10-13 15-4-0 7-5-3 7-10-13 7-5-3 Scale = 1:58.7 4x6 = 4 7.00 12 5x7 / 5x7 3 10 9 8 3x4 = 1.5x4 1.5x4 || 5x9 = 3x4 = 30-8-0 7-10-13 15-4-0 22-9-3 7-10-13 7-5-3 7-5-3 7-10-13 [2:Edge,0-0-4], [3:0-3-8,0-3-0], [5:0-3-8,0-3-0], [6:Edge,0-0-4], [9:0-4-8,0-3-0] Plate Offsets (X,Y)--

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

WEBS

TOP CHORD

BOT CHORD

in (loc)

8-16

8-16

6

1 Row at midpt

-0.09

-0.23

0.08

L/d

240

180

n/a

Structural wood sheathing directly applied.

I/defl

>999

>999

n/a

Rigid ceiling directly applied.

PLATES

Weight: 155 lb

MT20

GRIP

244/190

FT = 0%

LUMBER-

LOADING (psf)

TCLL

TCDL

BCLL

BCDL

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

20.0

10.0

0.0

10.0

WEBS 2x4 SP No.2

REACTIONS. (lb/size) 2=1317/0-3-8, 6=1317/0-3-8

Max Horz 2=171(LC 11)

Max Uplift 2=-36(LC 12), 6=-36(LC 12)

SPACING-

Plate Grip DOL

Rep Stress Incr

Code FBC2017/TPI2014

Lumber DOL

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1980/329, 3-4=-1357/317, 4-5=-1357/317, 5-6=-1980/329 2-10=-147/1627, 9-10=-149/1624, 8-9=-154/1624, 6-8=-153/1627 **BOT CHORD WEBS** 4-9=-133/860, 5-9=-685/214, 5-8=0/325, 3-9=-685/214, 3-10=0/325

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; b=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

CSI.

0.57

0.67

TC

BC

WB 0.24

Matrix-AS

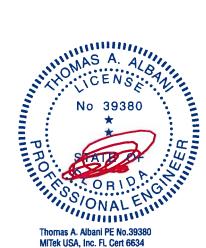
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads

1.25

1.25

YES

- 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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June 26,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE Mil-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 the 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 frusses and fruss systems, seeANSI/FII Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street. Suite 312, Alexandria, VA 22314.



Job T17448388 **B1GIR** HUNNINGTON 1669 Half Hip Girder Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:18 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-7leK4aLgaWEHqjw3q02XUWIX57qsLp32V88d9Kz2QMZ 24-11-8 6-0-7 -1-6-0 7-0-0 13-0-7 1-6-0 7-0-0 6-0-7 5-10-11

Truss Type

Ply

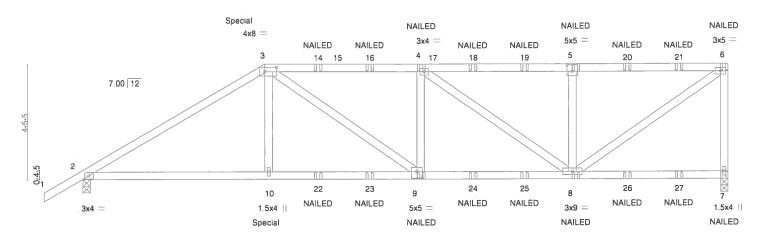
10 11 1

except end verticals.

Qty

Hunnington 1669

Scale = 1:44.8



-	7-0-0	+	6-0-7		5-10-1		+	6-0-7	
Plate Offsets (X,Y)	[3:0-5-8,0-2-0], [5:0-2-8,0	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 0.49	Vert(LL)	-0.07 9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.15 9-10	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.34	Horz(CT)	0.05 7	n/a	n/a		
BCDL 10.0	Code FBC2017/T	Pl2014	Matrix-MS	, ,				Weight; 264 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

1207

LUMBER-

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

2x4 SP No.2

REACTIONS. (lb/size) 7=2335/0-3-8, 2=2003/0-3-8

Max Horz 2=136(LC 7)

Truss

Max Uplift 7=-60(LC 5), 2=-30(LC 8)

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

TOP CHORD 2-3=-3347/1, 3-4=-3417/78, 4-5=-2504/85, 5-6=-2504/85, 6-7=-2151/145

BOT CHORD 2-10=-30/2803, 9-10=-22/2823, 8-9=-81/3421

WEBS 3-10=0/685, 3-9=-89/727, 4-8=-1122/3, 5-8=-764/205, 6-8=-62/3005

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.
- "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) 208 lb down and 149 lb up at 7-0-0 on top chord, and 355 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



24-11-9

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing

6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design volid for use only with Miles@ 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems. seeANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Job	Truss	Truss Type	t	F	Qty	Ply	Hunnington 1669	T17448388
HUNNINGTON_1669	B1GIR	Half Hip Girder			1	2		117440000
							Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:18 2019 Page 2 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-7leK4aLgaWEHqjw3q02XUWIX57qsLp32V88d9Kz2QMZ

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-186(F) 6=-149(F) 7=-70(F) 9=-62(F) 10=-355(F) 4=-126(F) 5=-126(F) 8=-62(F) 14=-126(F) 16=-126(F) 18=-126(F) 19=-126(F) 20=-126(F) 21=-126(F) 22=-62(F) 23=-62(F) 24=-62(F) 25=-62(F) 26=-62(F) 27=-62(F)

Truss Type Qty Ply Hunnington 1669 Job Truss T17448389 HUNNINGTON_1669 B₂ Half Hip Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:19 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-bUBilwMlLqM8StVFOkZm0jlgtX8z4ESBkotAimz2QMY 9-0-0 4-3-3 16-11-12 24-11-8 -1-6-0 1-6-0 Scale = 1:43.94x8 = 1.5x4 || 3x7 = 5 16 4 6 14 15 7.00 12 3x5 / 17 9 8 10 3x9 = 1.5x4 || 5x5 = 3x4 9-0-0 16-11-12 24-11-8 4-8-13 7-11-12 Plate Offsets (X,Y)--[4:0-5-8,0-2-0], [9:0-2-8,0-3-0] SPACING-CSI. DEFL. I/d PLATES GRIP LOADING (psf) 2-0-0 in (loc) I/defl 244/190 TCLL 20.0 Plate Grip DOL 1.25 TC 0.61 Vert(LL) -0.09 7-8 >999 240 MT20 Lumber DOL 1.25 вс 0.64 Vert(CT) -0.20 8-9 >999 180 TCDL 10.0 **BCLL** 0.0 Rep Stress Incr YES WB 0.46 Horz(CT) 0.03 n/a n/a Code FBC2017/TPI2014 Matrix-AS Weight: 140 lb FT = 0%BCDL 10.0 **BRACING-**LUMBER-TOP CHORD TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied, except end verticals. BOT CHORD Rigid ceiling directly applied.

WEBS

1 Row at midpt

2x4 SP No.2 **BOT CHORD**

2x4 SP No.2 WEBS

REACTIONS. (lb/size) 7=990/0-3-8, 2=1085/0-3-8

Max Horz 2=171(LC 11)

Max Uplift 7=-11(LC 9), 2=-36(LC 12)

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

TOP CHORD 2-3=-1642/282, 3-4=-1337/286, 4-5=-1091/292, 5-6=-1091/292, 6-7=-917/254

BOT CHORD 2-10=-429/1371, 9-10=-429/1371, 8-9=-335/1116 WEBS 3-9=-367/112, 4-9=0/387, 5-8=-539/254, 6-8=-296/1275

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; B=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
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) 7, 2
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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June 26,2019

MARNING - 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 Mflek® 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, seeANSUTPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information

MiTek 6904 Parke East Blvd. Tampa, FL 33610

Ply Qtv Hunnington 1669 Job Truss Truss Type T17448390 HUNNINGTON 1669 ВЗ Hip Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:21 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-XtJTjcNZtRcrhAfeV9bE58N4OKmmY7sUC6MHmfz2QMW 1-10-9 11-0-0 12-4-0 16-0-0 19-8-0 24-11-8 3-10-4 1-4-0 3-8-0 3-8-0 Scale = 1:45.8 4x8 = 1.5x4 || 3x4 = 4x8 = 6 7 8 9 25 24 3x5 7.00 12 3x7 \ 5 10 3x7 / 3x5 < 3-8-4 3 18 15 1-0-0 0-4-5 17 16 5x9 = 4x6 = 6x12 12 19 13 20 14 3x4 1.5x4 1.5x4 II 3x9 = 3x4 = 3x5 = 2x4 | |3x4 = 24-11-8 1-10-9 19-8-0 3-3-8 1-4-15 7-1-12 11-0-0 12-4-0 16-0-0 3-10-4 3-10-4

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

in (loc)

11

-0.13 17-18

-0.27 17-18

0.15

I/defl

>999

>999

n/a

Rigid ceiling directly applied.

L/d

240

180

n/a

LUMBER-

TCLL

TCDL

BCLL

BCDL

WEBS

Plate Offsets (X,Y)--

LOADING (psf)

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

20.0

10.0

10.0

0.0

2x4 SP No.2

REACTIONS. (lb/size) 2=1085/0-3-8, 11=990/0-3-8

SPACING-

Plate Grip DOL

Rep Stress Incr

Code FBC2017/TPI2014

Lumber DOL

Max Horz 2=168(LC 11) Max Uplift 2=-37(LC 12)

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

[6:0-5-8,0-2-0], [9:0-5-8,0-2-0], [18:0-5-12,Edge]

2-0-0

1.25

1 25

YES

TOP CHORD 2-3=-1641/233, 3-4=-3713/802, 4-5=-1889/371, 5-6=-1343/310, 6-7=-1117/298,

7-8=-1114/298, 8-9=-877/269, 9-10=-831/218, 10-11=-937/209

BOT CHORD 2-20=-356/1385, 19-20=-78/295, 4-18=-283/1274, 17-18=-875/3391, 16-17=-396/1614,

15-16=-248/1109, 12-13=-144/643

3-20=-1141/313, 18-20=-377/1478, 3-18=-463/1771, 4-17=-1817/490, 5-17=-33/409, 5-16=-664/192, 6-16=-79/479, 13-15=-198/835, 8-15=-105/443, 8-13=-608/180,

9-13=-101/517, 9-12=-308/133, 10-12=-125/738

NOTES-

WEBS

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

CSI.

TC

BC

WB 0.53

Matrix-AS

0.35

0.94

- 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.
- * 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.



PLATES

Weight: 187 lb

MT20

Structural wood sheathing directly applied, except end verticals.

GRIP

244/190

FT = 0%

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June 26,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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Qty Ply Hunnington 1669 Job Truss Truss Type T17448391 HUNNINGTON_1669 B4 Hip Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:22 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-03trwxOBelkiJKEq3s6TeMwDkk6qHWkeQm6qJ5z2QMV 1-10-9 3-3-a 10-9 1-4-15 24-11-8 7-3-8 -1-6-0 1-6-0 7-9-12 12-4-0 4-6-4 4-6-4 Scale = 1:52.8 5x7 \\ 7x8 = 6 21 722 7.00 12 3x5 < 5 4x4 > 8 3x7 🤣 5x5 🕏 15 13 14 6x12 = 5x9 4x6 = 10 16 11 17 12 3x4 || 2x4 1.5x4 3x9 = 3x4 = 4x4 = 24-11-8 17-8-0 1-10-9 12-4-0 3-3-8 7-9-12 4-6-4 1-4-15 4-6-4 [3:0-2-8,0-3-0], [6:0-3-4,Edge], [7:0-2-12,0-4-8], [8:Edge,0-1-12], [15:0-5-12,Edge] Plate Offsets (X,Y)--**PLATES** GRIP CSI. DEFL I/defl L/d LOADING (psf) SPACING-2-0-0 in (loc) 244/190 Plate Grip DOL 1.25 TC 0.51 Vert(LL) -0.14 14-15 >999 240 MT20 TCLL 20.0 BC 180 0.95 -0.30 14-15 >999 TCDL 10.0 Lumber DOL 1 25 Vert(CT) Horz(CT) **BCLL** 0.0 Rep Stress Incr YES WB 0.74 0.16 n/a n/a Weight: 170 lb FT = 0% **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-AS LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 *Except* TOP CHORD Structural wood sheathing directly applied, except end verticals. 6-7: 2x6 SP No.2 **BOT CHORD** Rigid ceiling directly applied. Except: **BOT CHORD** 2x4 SP No.2 10-0-0 oc bracing: 11-13 2x4 SP No.2 WEBS REACTIONS. (lb/size) 2=1093/0-3-8, 9=998/0-3-8 Max Horz 2=187(LC 11) Max Uplift 2=-32(LC 12) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CHORD 2-3=-1650/214, 3-4=-3760/765, 4-5=-1823/330, 5-6=-1179/265, 6-7=-947/266,

7-8=-923/223, 8-9=-926/208

BOT CHORD 2-17=-339/1391, 16-17=-76/294, 4-15=-265/1282, 14-15=-846/3438, 13-14=-352/1551,

6-13=-21/338

3-17=-1219/315, 15-17=-382/1587, 3-15=-431/1735, 4-14=-1918/502, 5-14=-10/438, WEBS

5-13=-731/209, 7-10=-331/154, 8-10=-95/715, 10-13=-103/688, 7-13=-78/490

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.



MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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Ply Job Truss Truss Type Qty Hunnington 1669 T17448392 **HUNNINGTON 1669 B5** Hip Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:24 2019 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066. ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-yS?bLdPRAM_QYeNDBH9xjn?bkXnOlQ9wu4bxN_z2QMT -1-6-0 1-10-9 3-3-8 1-6-0 1-10-9 1-4-15 7-9-12 12-4-0 15-0-0 15-8-0 20-2-0 24-11-8 4-6-4 4-6-4 2-8-0 0-8-0 4-9-8 Scale = 1:57.7 5x5 = 4x6 = 7 Я 7.00 12 1.5x4 6 3x5 < 9 5x5 / 5 3x5 < 10 3x7 < 3x5 3-8-4 0-0-1 16 18 17 5x9 8x12 4x6 = 19 15 14 12 13 20 1.5x4 || 2x4 || 1.5x4 || 3x4 =3x4 =3x4 == 3x5 =3x4 = 1-10-9 20-2-0 24-11-8 7-9-12 12-4-0 15-0-0 1-4-15 3-3-8 15-8-0 1-10-9 4-9-8 4-6-4 2-8-0 4-6-0 [5:0-2-8,0-3-0], [7:0-2-8,0-2-1], [8:0-3-0,0-1-12], [18:0-5-12, Edge] Plate Offsets (X,Y)--GRIP LOADING (psf) DEFL. L/d **PLATES** SPACING-2-0-0 CSI. in (loc) I/defl 244/190 Plate Grip DOL TC 0.35 Vert(LL) -0.15 17-18 >999 240 MT20 TCLL 20.0 1.25 BC 180 TCDL 10.0 Lumber DOL 1.25 0.95 Vert(CT) -0.30 17-18 >989 **BCLL** 0.0 Rep Stress Incr YES WB 0.75 Horz(CT) 0.16 11 n/a n/a FT = 0%Weight: 194 lb Code FBC2017/TPI2014 Matrix-AS **BCDL** 10.0 LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied, except end verticals. 2x4 SP No.2 Rigid ceiling directly applied. **BOT CHORD BOT CHORD** 2x4 SP No.2 WEBS 1 Row at midpt WERS **REACTIONS.** (lb/size) 2=1085/0-3-8, 11=990/0-3-8 Max Horz 2=208(LC 11) Max Uplift 2=-37(LC 12) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-1641/215, 3-4=-3719/763, 4-5=-1797/329, 5-6=-1211/275, 6-7=-1170/355, TOP CHORD 7-8=-712/261, 8-9=-840/265, 9-10=-792/197, 10-11=-944/188 **BOT CHORD** 2-20=-340/1384, 19-20=-78/296, 4-18=-260/1264, 17-18=-854/3423, 16-17=-348/1517, 13-14=-109/664, 12-13=-136/629 3-20=-1138/296, 18-20=-356/1475, 3-18=-449/1780, 4-17=-1929/513, 5-17=-18/426, **WEBS**

5-16=-689/197, 14-16=-89/649, 7-16=-259/970, 7-14=-361/52, 9-12=-360/141,

10-12=-122/755

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) 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.



6904 Parke East Blvd. Tampa FL 33610 Date:

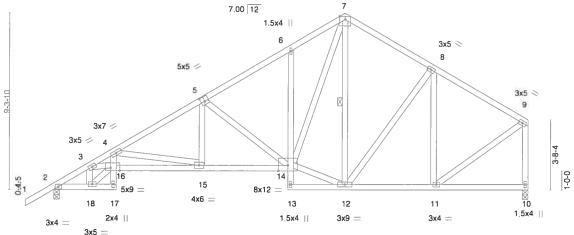
June 26,2019

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Job Truss Truss Type Qty Hunnington 1669 T17448393 HUNNINGTON_1669 86 Roof Special Job Reference (optional) Mayo Truss Company, Inc., 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:25 2019 Page 1 Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-QeZzYzQ3xg6HAoyPk_gAG_YIWx7dUtQ46kKUvQz2QMS -1-6-0 1-10-9 3-3-8 1-6-0 1-10-9 1-4-15 7-9-12 20-0-0 24-11-8 12-4-0 15-4-0 4-6-4 4-6-4 3-0-0 4-8-0 4-11-8 Scale = 1:60.9 7x6 ||



	1-10-9 3-3-8 1-10-9 1-4-15	7-9-12 12-4-0 4-6-4 4-6-4	15-4-0 3-0-0	20-0-0 4-8-0	24-11-8 4-11-8	
Plate Offsets (X,Y)	[5:0-2-8,0-3-0], [16:0-5-12,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d PLAT	ES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.35		-0.15 15-16 >999	240 MT20	244/190
TCDL 10.0 BCLL 0.0 *	Lumber DOL 1.25 Rep Stress Incr YES	BC 0.95 WB 0.75	Vert(CT) Horz(CT)	-0.30 15-16 >994 0.16 10 n/a	180 n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-AS	Holz(CT)	0.16 10 1Va		nt: 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 **BOT CHORD** WEBS

Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied.

1 Row at midnt

REACTIONS. (lb/size) 2=1085/0-3-8, 10=990/0-3-8

Max Horz 2=211(LC 11) Max Uplift 2=-37(LC 12)

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

TOP CHORD 2-3=-1641/214, 3-4=-3719/760, 4-5=-1797/327, 5-6=-1211/273, 6-7=-1156/350,

7-8=-836/266, 8-9=-805/199, 9-10=-943/188 **BOT CHORD** 2-18=-339/1384, 17-18=-77/295, 4-16=-259/1265, 15-16=-851/3423, 14-15=-346/1517,

11-12=-136/639

WEBS 3-18=-1138/295, 16-18=-354/1476, 3-16=-447/1780, 4-15=-1929/512, 5-15=-18/425,

5-14=-690/197, 12-14=-84/640, 7-14=-247/924, 8-11=-345/139, 9-11=-121/757

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 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.
- * 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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June 26,2019

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Job Truss Type Truss Qtv Hunnington 1669 T17448394 HUNNINGTON_1669 **B7** Common Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:26 2019 Page 1 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-ur7MmJRhizE8oyXcliBPoC4tkLYjDSYDLO42Ssz2QMR 7-10-13 7-10-13 20-0-0 24-11-8 7-5-3 4-8-0 4-11-8 Scale = 1:56.3 4x4 = 7.00 12 3x5 5 5x7 / 3x5 6

	3x4 =		1.5x4		5x9 =	3x4 =	1.5x4	
	-	7-10-13 7-10-13	-	15-4-0 7-5-3	20-0-0 4-8-0	+	24-11-8 4-11-8	
Plate Offsets (X,Y)	[2:Edge,0-0-4], [3:0-3-8,	0-3-0], [9:0-4-8	0-3-0]					
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d	PLATES GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.57	Vert(LL)	-0.08 10-13 >999	240	MT20 244/190	
TCDL 10.0	Lumber DOL	1.25	BC 0.64	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		

BRACING-

WEBS

TOP CHORD

BOT CHORD

9

8

Weight: 148 lb

Structural wood sheathing directly applied, except end verticals.

FT = 0%

Rigid ceiling directly applied.

1 Row at midpt

10

Matrix-AS

LUMBER-

BCDL

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

10.0

2x4 SP No.2

REACTIONS. (lb/size) 2=1085/0-3-8, 7=990/0-3-8

Max Horz 2=211(LC 11) Max Uplift 2=-37(LC 12)

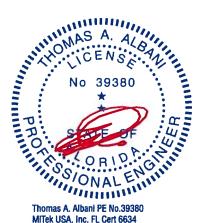
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1529/254, 3-4=-899/247, 4-5=-838/261, 5-6=-802/199, 6-7=-941/190 **BOT CHORD** 2-10=-288/1239, 9-10=-290/1236, 8-9=-136/635

WEBS 3-10=0/334, 3-9=-700/217, 4-9=-99/510, 5-8=-348/128, 6-8=-119/749

Code FBC2017/TPI2014

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.



MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

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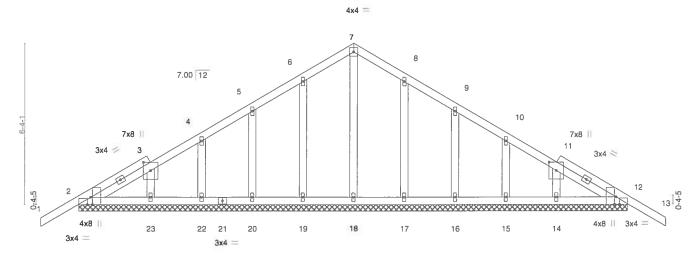


Truss Type Hunnington 1669 T17448395 HUNNINGTON_1669 C1GE Common Supported Gable Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:28 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc. ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-qDE6B?TyEbUs1Fh_Q7DtudAJv9NLhOoWpiZ8WIz2QMP 23-2-0 10-10-0 21-8-0 -1-6-0 1-6-0 10-10-0 1-6-0 10-10-0

Qty

Ply

Scale = 1:45.6



21-8-0 [2:0-3-8,Edge], [2:0-1-9,Edge], [3:0-3-15,0-3-8], [11:0-3-15,0-3-8], [12:0-3-8,Edge], [12:0-1-9,Edge] Plate Offsets (X,Y)--PLATES GRIP LOADING (psf) SPACING-2-0-0 CSI. DEFL I/defl I/d**TCLL** 20.0 Plate Grip DOL 1.25 TC 0.14 Vert(LL) -0.01 13 120 MT20 244/190 n/r TCDL 10.0 Lumber DOL 1.25 BC 0.05 Vert(CT) -0.01 13 120 n/r **BCLL** 0.0 Rep Stress Incr YES WB 0.07 Horz(CT) 0.00 12 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-S Weight: 126 lb FT = 0%

21-8-0

LUMBER-

Job

Truss

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

BRACING-TOP CHORD **BOT CHORD**

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

REACTIONS. All bearings 21-8-0.

(lb) -Max Horz 2=119(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 22, 17, 16, 15

All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 22, 23, 17, 16, 15, 14

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 22, 17, 16, 15.



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June 26,2019

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Job Truss Truss Type Qty Ply Hunnington 1669 T17448396 **HUNNINGTON 1669** C2 Common А Job Reference (optional) Mayo, FL - 32066. 8,220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:29 2019 Page 1 Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-IQoUOLTa?ucjfPGAzqk6QqiSMYbQQrNg1Lli2Bz2QMO 10-10-0 21-8-0 23-2-0 -1-6-0 1-6-0 5-2-3 Scale = 1:42.1 4x6 || 4 7.00 12 1.5x4 \\ 1.5x4 // 5x5 = 3x4 = 3x4 = 3x4 =14-3-8 21-8-0 7-4-8 6-10-15 7-4-8 [2:0-2-0,0-1-6], [6:0-2-0,0-1-6], [9:0-2-8,0-3-0] Plate Offsets (X,Y)--

DEFL

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

in (loc)

8-9

8-9

-0.09

-0.15

0.03

LUMBER-

LOADING (psf)

TCLL

TCDL

BCLL.

BCDL

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

20.0

10.0

10.0

0.0

2x4 SP No.2 **WEBS**

REACTIONS. (lb/size) 2=957/0-3-8, 6=957/0-3-8

Max Horz 2=125(LC 11)

Max Uplift 2=-37(LC 12), 6=-37(LC 12)

SPACING-

Plate Grip DOL

Rep Stress Incr

Code FBC2017/TPI2014

Lumber DOL

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

2-3=-1332/236, 3-4=-1202/272, 4-5=-1202/272, 5-6=-1332/236 TOP CHORD

2-9=-94/1141, 8-9=0/747, 6-8=-101/1110 BOT CHORD

4-8=-80/524, 5-8=-321/173, 4-9=-81/523, 3-9=-321/173 WEBS

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

CSI.

0.29

0.51

0.11

TC

BC

WB

Matrix-AS

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

2-0-0

1.25

1.25

YES

- 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.



PLATES

Weight: 106 lb

MT20

GRIP

244/190

FT = 0%

I /d

240

180

n/a

Structural wood sheathing directly applied.

I/defl

>999

>999

n/a

Rigid ceiling directly applied.

MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

🗥 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 Miles (© connectors. This design is based only upon parameters and properly incorporate this design is 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/TPII Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply Hunnington 1669 T17448397 HUNNINGTON_1669 C3 Common 3 Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:30 2019 Page 1 Mayo Truss Company, Inc. Mayo, FL - 32066, ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-ncMsbhUClCkaGZrNXXFLz2FdlywX9iZpG?2Fbdz2QMN 21-8-0 10-10-0 -1-6-0 1-6-0 16-0-3 5-7-13 5-7-13 5-2-3 Scale = 1:41.4 4x6 || 7.00 12 1.5x4 \\ 1.5x4 // 5 3 8 15 16 7 5x5 = 3x4 =3x4 = 3x4 = 7-4-8 14-3-8 21-8-0 7-4-8 6-10-15 7-4-8 Plate Offsets (X,Y)--[2:0-2-0,0-1-6], [6:0-2-0,0-1-6], [8:0-2-8,0-3-0] DEFL PLATES GRIP LOADING (psf) SPACING-2-0-0 CSI. in (loc) I/defl 1/d 244/190 **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.31 Vert(LL) -0.09 7-8 >999 240 MT20 TCDL Lumber DOL 1.25 вс 0.52 Vert(CT) -0.15 7-11 >999 180 10.0 **BCLL** 0.0 Rep Stress Incr YES WВ 0.11 Horz(CT) 0.03 n/a n/a **BCDL** 10.0 Code FBC2017/TPI2014 Matrix-AS Weight: 104 lb FT = 0%**BRACING-**

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

2x4 SP No.2 **WEBS**

REACTIONS. (lb/size) 6=864/0-3-8, 2=960/0-3-8

Max Horz 2=121(LC 11) Max Uplift 2=-38(LC 12)

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

2-3=-1338/241, 3-4=-1208/278, 4-5=-1218/283, 5-6=-1349/246 TOP CHORD

2-8=-133/1135, 7-8=-12/742, 6-7=-139/1128 **BOT CHORD**

4-7=-88/539, 5-7=-324/178, 4-8=-79/523, 3-8=-321/174 **WEBS**

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.



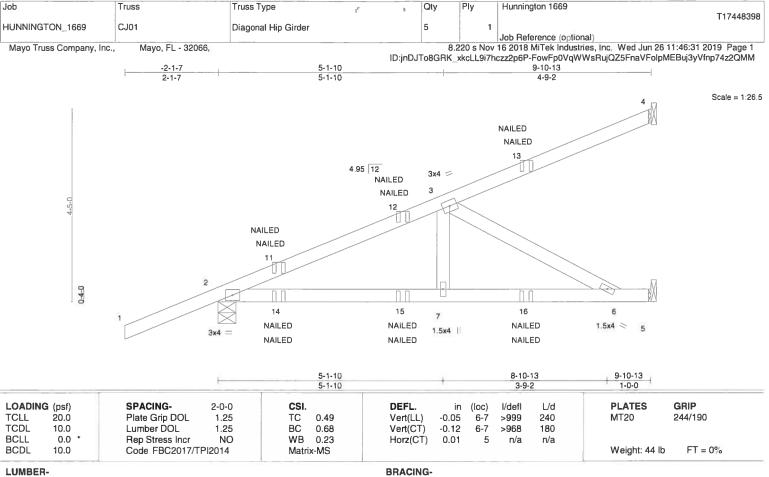
6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

MARNING - 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 ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information





TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (lb/size) 4=146/Mechanical, 2=476/0-4-15, 5=321/Mechanical

Max Horz 2=129(LC 8)

Max Uplift 4=-38(LC 8), 2=-110(LC 8)

Max Grav 4=146(LC 1), 2=480(LC 28), 5=321(LC 1)

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

TOP CHORD 2-3=-686/0

BOT CHORD 2-7=-57/588, 6-7=-57/588 **WEBS** 3-7=0/299, 3-6=-666/64

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=110.
- 6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 5-8=-20 Concentrated Loads (lb)

Vert: 11=57(F=29, B=29) 13=-83(F=-41, B=-41) 14=61(F=31, B=31) 15=-6(F=-3, B=-3) 16=-59(F=-29, B=-29)



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

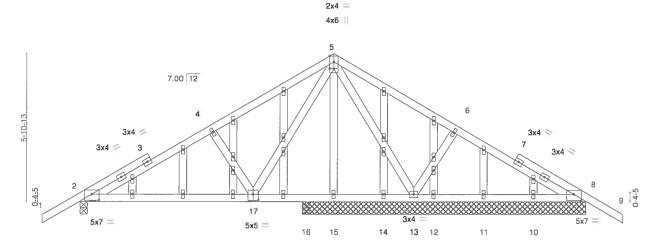
June 26,2019

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 inclividual 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 ovailable from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314



Job Truss Truss Type Qtv Ply Hunnington 1669 T17448399 **HUNNINGTON_1669** D1GE Common Structural Gable Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:33 2019 Page 1 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-BB2?EiW4276870ZyCgp2bgt7aA0gMZyFyzGvByz2QMK 14-10-11 21-8-0 20-2-0 4-9-11 4-9-11 5-3-5 1-6-0 Scale = 1:46.2



	 	6-10-8 6-10-8		8-10-0 1-11-8	13-3-6 4-5-8			20-2-0 6-10-8	I	
Plate Offsets (X,Y)	[2:0-3-8,0-3-0], [5:0-2-0,0	-0-4], [8:0-3-8	,0-3-0], [17:0	-2-8,0-3-0]						
TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2017/TI	2-0-0 1.25 1.25 YES	CSI. TC BC WB Matrix		DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.04 17-36 -0.08 17-36 0.01 13	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 141	GRIP 244/190 b FT = 0%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

WEBS 2x4 SP No.2 OTHERS 2x4 SP No.2

REACTIONS. All bearings 11-4-0 except (jt=length) 2=0-3-8, 16=0-3-8.

(ib) - Max Horz 2=112(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 15, 16

Max Grav All reactions 250 lb or less at joint(s) 8, 15, 14, 12, 11, 10, 16, 8 except 2=553(LC 1), 13=765(LC 1)

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

TOP CHORD 2-4=-552/120, 4-5=-449/146, 5-6=0/293

BOT CHORD 2-17=0/501 WEBS 5-13=-623/

5-13=-623/113, 6-13=-273/156, 5-17=-70/426, 4-17=-327/157

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 1.5x4 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 15, 16, 8.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

June 26,2019

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design volid for use only with MTeleWiconnectors. 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 fobrication, storage, delivery, erection and bracing of trusses and truss systems, seeANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information



Job Truss Truss Type Qty Ply Hunnington 1669 T17448400 HUNNINGTON_1669 D2 Common Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:34 2019 Page 1 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-fNbNR2XipRF?IA88mNKH7uQJPZMt51ZPBd0TkPz2QMJ 20-2-0 21-8-0 10-1-0 4-8-11 5-4-5 4-8-11 1-6-0 Scale = 1:39.6 4x6 = 7.00 12 3x5 ⋍ 3x5 > 3

	4-8-11 4-8-11	b 0	8-11-12 4-3-1	+		15-5-5 6-5-9			-	20-2-0 4-8-11	
Plate Offsets (X,Y	[9:0-4-8,0-3-0]										
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.04	8-9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.07	8-9	>999	180		
BCLL 0.0 '	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code FBC2017/	TPI2014	Matri	x-AS	8 8					Weight: 104 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

9

5x9 =

8

1.5x4

Structural wood sheathing directly applied

Rigid ceiling directly applied.

LUMBER-

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

3x4 =

2x4 SP No.2 WEBS

REACTIONS. (lb/size) 2=330/0-3-8, 9=1022/0-3-8, 6=442/0-3-8

Max Horz 2=-117(LC 10) Max Uplift 2=-50(LC 12), 6=-47(LC 12)

Max Grav 2=365(LC 21), 9=1022(LC 1), 6=458(LC 22)

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

TOP CHORD 2-3=-253/71, 3-4=0/319, 5-6=-459/83

BOT CHORD 8-9=0/353, 6-8=0/353

WEBS 4-9=-505/84, 5-9=-509/134, 3-9=-431/143

- 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.

10 1.5x4 ||

- * 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.



3x4 =

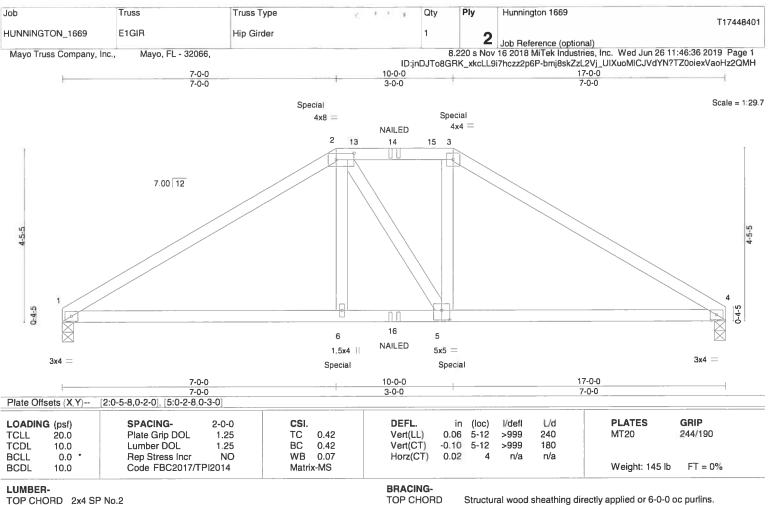
MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

June 26,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design volid for use only with MTeleWiconnectors. This design is based only upon parameters 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, seeANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Informationavailable from Truss Plote Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.2 WFBS

REACTIONS. (lb/size) 1=1318/0-3-8, 4=1312/0-3-8

Max Horz 1=71(LC 7) Max Uplift 1=-96(LC 8), 4=-98(LC 8)

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

1-2=-2188/114, 2-3=-1828/125, 3-4=-2175/117 TOP CHORD 1-6=-30/1803, 5-6=-27/1821, 4-5=-33/1792 **BOT CHORD**

2-6=0/570, 3-5=0/576 WEBS

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.

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

Provide adequate drainage to prevent water ponding.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4

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) 233 lb down and 149 lb up at 7-0-0, and 233 lb down and 149 lb up at 10-0-0 on top chord, and 358 lb down at 7-0-0, and 358 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

Vert: 1-2=-60, 2-3=-60, 3-4=-60, 7-10=-20



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

June 26,2019

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MTROW 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



Qty Job Truss Truss Type Ply Hunnington 1669 5 T17448401 HUNNINGTON_1669 E1GIR Hip Girder Job Reference (optional)

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:36 2019 Page 2 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-bmj8skZzL2Vj_UIXuoMlCJVdYN?TZ0oiexVaoHz2QMH

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 2=-186(B) 3=-186(B) 6=-355(B) 5=-355(B) 14=-126(B) 16=-62(B)

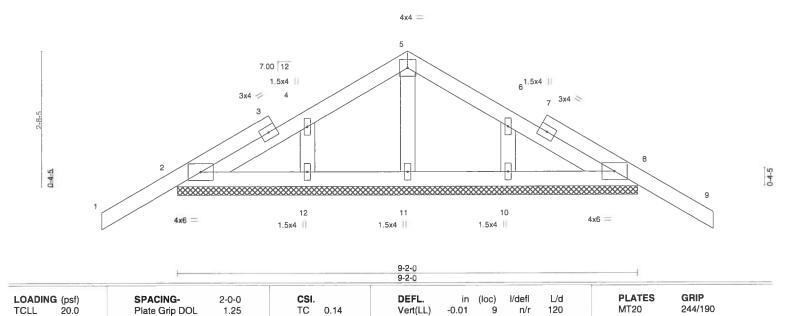


Qty Ply Hunnington 1669 Truss Truss Type Job T17448402 HUNNINGTON_1669 F1GE Common Supported Gable Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:37 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc. ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-3yHW34Zb6MdacetjRWt_IW2senRZIUrrtbE7Kjz2QMG 10-8-0

9-2-0

4-7-0

Scale = 1:23.1



LUMBER-

TCDL

BCLL

BCDL

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

10.0

0.0

10.0

BRACING-

Vert(CT)

Horz(CT)

-0.01

0.00

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

Weight: 46 lb

FT = 0%

120

n/a

n/r

n/a

8

REACTIONS. All bearings 9-2-0.

(lb) - Max Horz 2=-56(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 8

Lumber DOL

Rep Stress Incr

Code FBC2017/TPI2014

Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

1.25

YES

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

BC

WB 0.01

Matrix-S

0.04

- 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) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
- 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8.



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June 26,2019

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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems. seeANS/TPI Quality Criteria, DS8-89 and BCSI Building Component Safety Informationavailable from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Truss Type Qty Ply Hunnington 1669 T17448403 HUNNINGTON_1669 GIR1 Common Girder Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:38 2019 Page 1 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-Y8ruHQaDtflREoSv?DPDlkaupBa51pR_6F_gtAz2QMF 6-0-11 4-9-11 7.00 12 Scale = 1:40.6 4×4 = 3x7 / 3x9 \ 3 6-2-14 10 11 12 13 5 6 5x7 HUS26 HUS26 10x10 = 3x12 || 3x4 THDH26-2 HUS26 HUS26 1-3-0 6-0-11 11-4-0 4-9-11 5-3-5 Plate Offsets (X,Y)--[4:0-1-3,Edge] LOADING (psf) SPACING-2-0-0 CSI. DEFL **PLATES** GRIP (loc) I/defI L/d **TCLL** Plate Grip DOL 1.25 MT20 244/190 20.0 TC 0.76 Vert(LL) -0.09 5-9 >999 240 TCDL 10.0 Lumber DOL 1.25 BC 0.86 Vert(CT) -0.18 180 5-9 >756 **BCLL** 0.0 Rep Stress Incr WВ 0.57 NO Horz(CT) 0.02 n/a n/a BCDL 10.0 Code FBC2017/TPI2014 Matrix-MS Weight: 163 lb FT = 0% LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins, **BOT CHORD** 2x6 SP SS except end verticals. **WEBS** 2x4 SP No.2 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS. (lb/size) 4=4700/0-3-8, 7=3529/0-3-8 Max Horz 7=-168(LC 6)

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

1-2=-840/0, 2-3=-907/0, 3-4=-5304/0, 1-7=-3653/0 TOP CHORD

BOT CHORD 5-6=0/4585, 4-5=0/4585

2-6=0/780, 3-6=-4593/0, 3-5=0/4248, 1-6=0/3258 WEBS

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.

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-4 from the left end to 7-11-4 to connect truss(es) to back face of bottom chord.
- 8) Use USP THDH26-2 (With 16d nails into Girder & 16d nails into Truss) or equivalent at 9-10-8 from the left end to connect truss(es) to back 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: 1-2=-60, 2-4=-60, 4-7=-20

Concentrated Loads (lb)

Vert: 5=-1207(B) 10=-1219(B) 11=-1207(B) 12=-1204(B) 13=-2497(B)



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

June 26,2019

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Truss Qty Ply Hunnington 1669 Truss Type Job T17448404 **HUNNINGTON_1669** Jack-Open Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:39 2019 Page 1 Mayo, FL - 32066 Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-0LPGUlbreztlrx15ZwwSqx755a0pmOZ8KvjEPcz2QME 7-0-0 7-0-0 Scale = 1:27.2 7.00 12 0-4-5

Plate Offsets (X,Y)	[2:0-0-5,0-0-0]		7-0-0	
		CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	TC 0.59	DEFL. in (loc) I/defI L/d Vert(LL) -0.09 4-7 >951 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.51	Vert(CT) -0.21 4-7 >393 180	
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: 25 lb FT = 0%

7-0-0

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied

Rigid ceiling directly applied.

LUMBER-

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

REACTIONS. (lb/size) 3=186/Mechanical, 2=377/0-3-8, 4=82/Mechanical Max Horz 2=129(LC 12)

Max Uplift 3=-51(LC 12), 2=-14(LC 12)

Max Grav 3=186(LC 1), 2=377(LC 1), 4=125(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; 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.
- 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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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 MTBLMBC 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, seeANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Informationavailable from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Truss Qty Ply Hunnington 1669 Job Truss Type 3 T17448405 **HUNNINGTON_1669** J2 Jack-Open Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:40 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-UXzei5cTPH?9T5cl7eRhN9gLk_QDVqpHZZTnx2z2QMD -1-6-0 1-6-0 Scale = 1:21.0 7.00 12 2-10-6 0-4-5 Δ 3x4 5-0-0 5-0-0 PLATES **GRIP** LOADING (psf) SPACING-2-0-0 CSI. DEFL. (loc) I/defl L/d 244/190 20.0 Plate Grip DOL 1.25 TC 0.28 Vert(LL) -0.03 4-7 >999 240 MT20 TCLL -0.06 >999 180 **TCDL** 10.0 Lumber DOL 1.25 BC 0.24 Vert(CT) 0.0 WB 0.00 Horz(CT) 0.00 3 n/a n/a **BCLL** Rep Stress Incr YES Weight: 19 lb FT = 0% Code FBC2017/TPI2014 BCDL 10.0 Matrix-AS **BRAÇING-**LUMBER-TOP CHORD Structural wood sheathing directly applied TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

BOT CHORD

Rigid ceiling directly applied.

REACTIONS. (lb/size) 3=126/Mechanical, 2=301/0-3-8, 4=58/Mechanical

Max Horz 2=101(LC 12)

Max Uplift 3=-34(LC 12), 2=-24(LC 12)

Max Grav 3=126(LC 1), 2=301(LC 1), 4=89(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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June 26,2019

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Qty Ply Hunnington 1669 Truss Type Job Truss T17448406 **HUNNINGTON_1669** J3 Jack-Open Job Reference (optional) 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:40 2019 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc., ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-UXzei5cTPH?9T5cl7eRhN9gNs_SVVqpHZZTnx2z2QMD -1-6-0 1-6-0 Scale = 1:15.3 7.00 12 0-4-5

Plate Off	sets (X,Y)	[2:0-1-7,0-1-0]				,						
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	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/TI	PI2014	Matri	x-MP						Weight: 12 lb	FT = 0%

BRACING-

TOP CHORD

BOT CHORD

3-0-0

LUMBER-

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

REACTIONS. (lb/size) 3=66/Mechanical, 2=230/0-3-8, 4=29/Mechanical

Max Horz 2=73(LC 12)

Max Uplift 3=-15(LC 12), 2=-38(LC 12)

Max Grav 3=66(LC 1), 2=230(LC 1), 4=51(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; 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.



Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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

June 26,2019

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Ply Hunnington 1669 Qty Job Truss Truss Type T17448407 HUNNINGTON_1669 J4 Jack-Open Job Reference (optional)

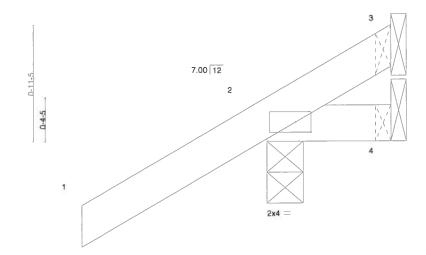
Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jun 26 11:46:41 2019 Page 1 ID:jnDJTo8GRK_xkcLL9i7hczz2p6P-yjX1vRd5Aa705FBUgLywvMCXcOpiEH2RoDCKTVz2QMC

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

Scale = 1:9.4



1-0-0

Plate Offsets (X,Y)	[2:0-1-7,0-1-0]									,-	
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	0.14	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2		Matri	x-MP						Weight: 6 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 **BRACING-**TOP CHORD

BOT CHORD

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

REACTIONS.

(lb/size) 3=-6/Mechanical, 2=198/0-3-8, 4=-22/Mechanical Max Horz 2=46(LC 12) Max Uplift 3=-6(LC 1), 2=-73(LC 12), 4=-22(LC 1)

Max Grav 3=12(LC 12), 2=198(LC 1), 4=24(LC 12)

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

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



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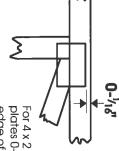


Symbols

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 $0^{-1/6}$ " 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 × 4

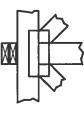
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



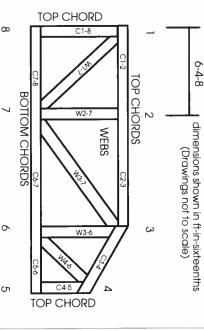
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards: ANSI/TPI1: National E

 National Design Specification for Metal Plate Connected Wood Truss Construction Design Standard for Bracing.
 Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

DSB-89: BCSI:

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.

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Truss bracing must be designed by an engineer, For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor1 bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.

Δ

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- Cut members to bear tightly against each other
- 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.

Φ

- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber,
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- 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.
- Connections not shown are the responsibility of others.
- 16. Do not cut or after truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use, Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

Residential System Sizing Calculation

Summary Project Title:

Spec House

Project Title: Hunnington Subdivision - Lot 9

Lake City, FL 32024

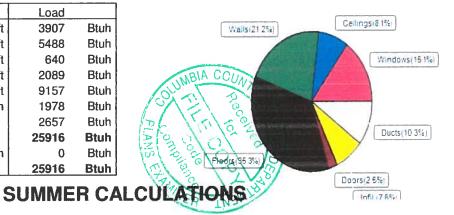
12/19/2018

Location for weather data: Gaine	sville, FL -	Defaults: L	atitude(29.7) Altitude(152 ft.) Tem	p Range(M)	
Humidity data: Interior RH (50%) Outdoor	wet bulb (7	7F) Humidity difference(51gr.)		
Winter design temperature(TMY3	99%) 30	F	Summer design temperature(TMY	3 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

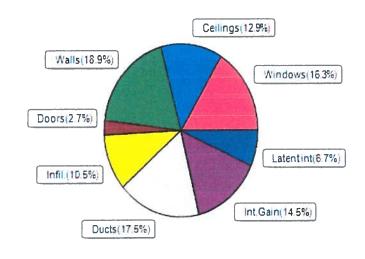
Winter Heating Load (for 1669 sqft)

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 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		İ	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/occup	ants/othe	r)	1200	Btuh
Total latent gain			2785	Btuh
TOTAL HEAT GAIN			17802	Btuh





EnergyGauge® System Stang
PREPARED BY:
DATE: 6-23-6

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Builder Name: Adam's Construction Project Name: Hunnington Subdivision - Lot 9 Permit Office: Columbia Street: Permit Number: Lake City, FL, 32024 City, State, Zip: Jurisdiction: Spec House Owner: Design Location: FL. Gainesville County: Columbia (Florida Climate Zone 2) New (From Plans) 9. Wall Types (1927.5 sqft.) Insulation Area 1. New construction or existing 1654.50 ft² a. Frame - Wood, Exterior R=13.0 2. Single family or multiple family Single-family b. Frame - Wood, Adjacent R=13.0 273.00 ft² 3. Number of units, if multiple family c. N/A R= d. N/A R= ft2 3 4. Number of Bedrooms Insulation Area 10. Ceiling Types (1669.0 sqft.) No 5. Is this a worst case? 1669.00 ft² a. Under Attic (Vented) R=30.0 ft2 b. N/A 1669 6. Conditioned floor area above grade (ft2) ft² c. N/A 0 Conditioned floor area below grade (ft2) ft2 R 11. Ducts 347.8 8 7. Windows(296.0 sqft.) Description Area a. Sup: Attic, Ret: Attic, AH: Garage a. U-Factor: Dbl. U=0.33 296.00 ft² SHGC=0.22 SHGC: Efficiency kBtu/hr 12. Cooling systems ft2 b. U-Factor: N/A SEER:14.00 a. Central Unit 42,0 SHGC: N/A ft² c. U-Factor: kBfu/hir SHGC: 13. Heating systems Efficiency HSPF:8.20 N/A ft2 a Electric Heat Pump d. U-Factor: SHGC: Area Weighted Average Overhang Depth: 2.176 ft. 14. Hot water systems 0.220 Area Weighted Average SHGC: Cap: 40 gallons a. Electric 8. Floor Types (1669.0 sqft.) Insulation Area EF: 0.920 1669.00 ft² R=0.0 a. Slab-On-Grade Edge Insulation b. Conservation features R= ft^2 b. WA None ft2 c. N/A R= 15. Credits CF. Pstat Total Proposed Modified Loads: 47.17 PASS Glass/Floor Area: 0.177 Total Baseline Loads: 52.19 Review of the plans and I hereby certify that the plans and specifications covered by specifications covered by this this calculation are in compliance with the Florida Energy calculation indicates compliance Code. with the Florida Energy Code. Before construction is completed PREPARED BY: this building will be inspected for DATE: compliance with Section 553.908 Florida Statutes. I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. **BUILDING OFFICIAL:** OWNER/AGENT:

- 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).

DATE:

- 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.

DATE:

INPUT SUMMARY CHECKLIST REPORT

					PROJE	ECT							
Title: Building Owner N # of Unit Builder N Permit O Jurisdicti Family T New/Exis Commen	lame: ss: Name: Office: ion: ype: sting:	Hunnington St User Spec House 1 Adam's Const Columbia Single-family New (From Pla		Bedrooms: Conditione Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	es: e: ile: ilation:	3 1669 1 No 0		Lot # Block PlatE Stree Cour	d/Subdivis Book: et:	9 sion: Hu Col	lumbia ke City ,		
					CLIMA	TE							
/	Desi	gn Location	TMY Site			esign Temp 7.5 % 2.5		Design Tem ter Summ	ner Deg	eating ree Days	_		nge
	FL,	Gainesville	FL_GAINESVILLE	REGI		32 92	70	75	1	305.5	51	Me	edium
					BLOC	KS						<u>. </u>	
Numb	er	Name	Area	Volume									
1		Block1	1669	15021									
					SPAC	ES							
Numb	er	Name	Area	Volume ł	Kitchen	Occupants	Bedro	oms i	nfil ID	Finished	Coo	led	Heat
1		Main	1669	15021	Yes	6	3			Yes	Yes		Yes
					FLOO	RS							
$\sqrt{}$	#	Floor Type	Space		neter	R-Value	Area	_				ood Ca	
	1 Sla	b-On-Grade Edg	e Insulatio M	ain 194	ft	0	1669 fl).33 0.	33 0	.34
					ROC)F							
\checkmark	#	Туре	Materials	Roof Area	Gabl Area			Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
	1	Hip	Composition shing	ıles 1933 ft²	0 ft²	² Mediu	ım N	0.85	No	0.9	No	0.625	30
					ATT	IC							
\checkmark	#	Туре	Ventil	ation	Vent Rat	io (1 in)	Area	RBS	IR	cc			
	1	Full attic	Ven	ted	30	0	1669 ft²	N	1	N			
					CEILI	NG							
\vee	#	Ceiling Type		Space	R-Valu	ie Ins	Туре	Area	Fran	ning Frac		з Туре	
	1	Under Attic (V	ented)	Main	30	Blo	own	1669 ft²		0.11	W	ood	

FO	RM	R40	15-2	01	7

INPUT SUMMARY CHECKLIST REPORT

ORM R					INPUT S			LLS							
V #	Ornt		djace	nt Wall	Type	Space	Cavity R-Value	Wid Ft	th ln	Height _FtIn	Area	Sheathing R-Value		Solar Absor.	Below Grade%
1	N	Ex	terior		ne - Wood	Main	13	33	4	9	300.0 ft ²	0.625	0.23	0.75	0
2	W	Ex	terior	Fran	ne - Wood	Main	13	10		9	90.0 ft ²	0.625	0.23	0.75	0
3	N	Ex	terior	Fran	ne - Wood	Main	13	14	8	9	132.0 ft²	0.625	0.23	0.75	0
4	Е	Ext	terior	Fran	ne - Wood	Main	13	10		9	90.0 ft ²	0.625	0.23	0.75	0
5	Ν	Ext	terior	Fran	ne - Wood	Main	13	10	10	9	97.5 ft²	0.625	0.23	0.75	0
6	Ε	Ext	terior	Fran	ne - Wood	Main	13	30	6	9	274.5 ft ²	0.625	0.23	0.75	0
7	S	Ext	terior	Fran	ne - Wood	Main	13	5	8	9	51.0 ft²	0.625	0.23	0.75	0
8	Ε	Ex	terior	Fran	ne - Wood	Main	13	2	8	9	24.0 ft ²	0.625	0.23	0.75	0
9	S	Ex	terior	Fran	ne - Wood	Main	13	11	4	9	102.0 ft ²	0.625	0.23	0.75	0
10	W	Ext	terior	Fran	ne - Wood	Main	13	7	8	8	69.0 ft²	0.625	0.23	0.75	0
11	S	Ex	terior	Fran	ne - Wood	Main	13	8	6	9	76.5 ft ²	0.625	0.23	0.75	0
12	Ε	Ex	terior	Fran	ne - Wood	Main	13	5		9	45.0 ft ²	0.625	0.23	0.75	0
13	S	Ex	terior	Fran	ne - Wood	Main	13	11	8	9	105.0 ft ²	0.625	0.23	0.75	0
14	W	Ga	rage	Fran	ne - Wood	Main	13	8	8	9	78.0 ft²	0.625	0.23	0.75	0
15	S	Ga	rage	Fran	ne - Wood	Main	13	21	8	9	195.0 ft²	0.625	0.23	0.75	0
16	W	Ex	terior	Fran	ne - Wood	Main	13	22		9	198.0 ft ²	0.625	0.23	0.75	0
LANG	• • •						DO	ORS							
\checkmark	#		Ornt		Door Type	Space			Storms	s U-Val	ue Fi	Width In	Heigh Ft	t In	Area
	1		S		Insulated	Main			None	.4	3		6		20 ft²
	2		S		Insulated	Main			None	.4	3		6	8	20 ft²
					Ori	entation show		DOWS		od orientatio	n				
			Wall		Oli	entation show	VII IS LITE EI	itereu, r	торозе	d onematio		rhang			<u>-</u>
\checkmark	#	Ornt		Frame	Panes	NFRC	U-Factor	SHGC	lm	p Area		Separation	Int Sha	ade	Screening
	1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	36.0 ft ²	1 ft 6 in	1 ft 4 in	IECC 2	012	None
	2	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft ²	1 ft 6 in	1 ft 4 in	IECC 2	012	None
	3	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft ²	11 ft 6 in	1 ft 4 in	IECC 2	012	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 2	012	None
	5	Е	4	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2	012	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 2	012	None
	7	E	6	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	18.0 ft ²	1 ft 6 in	1 ft 4 in	IECC 2	012	None
	8	Ε	6	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	8.0 ft ²	1 ft 6 in	1 ft 4 in	IECC 2	012	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 2	012	None
	10	s	13	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 ft ²	1 ft 6 in	1 ft 4 in	IECC 2	012	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 2	012	None
	12	W	16	Vinyl	Low-E Double	Yes	0.33	0.22	N	8.0 ft ²	1 ft 6 in	1 ft 4 in	IECC 2	012	None
-			-								***	-			

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

					G	ARAGE								
	#	Floor Area	Ce	eiling Area	Exposed	d Wall Perimeter	Ανί	Avg. Wall Height 8 ft			Exposed Wall Insulation			
	_ 1	447.791889 fi	t ² 447	7.791889 ft²		64 ft					1			
					INFIL	TRATION								
#	Scope	Method		SLA	CFM 50	ELA	EqLA	A	СН	ACI	1 50			
1 W	/holehouse	Proposed A	CH(50)	:000286	1251:8	68.72	129.24	.11	128		5			
	-4				HEATIN	NG SYSTEM								
	#	System Type		Subtype		Efficie	ncy	Сара	city			Block	Di	ucts
	_ 1	Electric Heat Pu	imp/	None		HSPF	:8.2	42 kB	tu/hr			1	sy	/s#1
					COOLII	NG SYSTEM								
V	#	System Type		Subtype		Efficier	ncy Ca	apacity	Air F	Flow S	HR	Block	Di	ucts
	_ 1	Central Unit/		None		SEER:	14 42	kBtu/hr	1260	cfm	8.0	1	sy	/s#1
					HOT WA	TER SYSTE	VI							
V	#	System Type	SubType	Location	EF	Сар	Use)	SetPnt		Con	servatio	n	
	_ 1	Electric	None	Garage	0.92	40 gal	60 ga	al 1	120 deg		10.00	None		
28.00				SOL	AR HOT	WATER SYS	TEM							
V	FSEC Cert		ame		System M	odel#	Collecto	or Model i		ollector Area	Storaç Volun	-	FEF	
	None	None								ft²				
					D	OUCTS								
/	#	Sыр Location R	ply -Value Area	Ret	urn Area	Leakage Typ	e l	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV Heat	AC#
		LUCATION IX		LUGGIUII	/1104	Ecanado I V D								

FORM R405-2017 INPUT SUMMARY CHECKLIST REPORT

OKIVI K40	33-2017	U.T.A	ШТ	01 00	AIIAI	11/1 0	HECKL	31 IXE	.1 0111	1119		and the same of th		
						TEM	PERATUR	RES						
Programa	able Thermo	stat: Y			Ce	iling Fan	s:							
Cooling Heating Venting	[] Jan [X] Jan [] Jan	[] Feb [X] Feb [] Feb	Mar X Mar X Mar	Apr Apr X Apr	-] May May May	[X] Jun Jun Jun	[X] Jul Jul Jul	[X] Aug Aug Aug	[X] S [] S [] S	ep [ep [Oct Oct X Oct	[] Nov [X] Nov [X] Nov	Dec XDec Dec
Thermostat	Schedule:	HERS 200	6 Reference	1				Hours						
Schedule T	ype		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)		AM PM	78 80	78 80	78 78	7 8 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (WEH)		AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (WD)		AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Heating (WEH)		AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
			·				MASS							
Ma	ss Type		Area			Thickness	ness Furniture Fraction		ction		Space			
De	fault(8 lbs/se		0 ft²			0 ft	0.3	0.3						