35105

Daniel & Gore, LLC

Professional Surveying and Mapping

P.O. Box 1501
Lake City, Florida 32056

October 2, 2017

Aaron Simque Homes
333 SW Rosemary Drive
Lake City, FL 32025

Subject: Lot 112, Preserve at Laurel Lake, Unit 1

Dear Aaron:

Daniel & Gore, LLC has performed a vertical survey on Lot 112, Preserve at Laurel Lake, Unit 1, Columbia County, Florida from a benchmark being a 60d nail at the common lot line between Lots 8 & 9 (elevation – 116.12', NGVD 1929) and have determined the following:

- The Subdivision plat requires the minimum finish floor elevation to be 116.3'.
- The finish floor elevation of the residence is at 117.0', being 0.7' above the minimum finish floor requirement.

If you have any questions, please call me.

Sincerely,

Scott Daniel, PSM

Scott Daniel, PSM • Cell: (386) 208-4176 • E-mail: sdaniel@dgsurveying.com
David Gore • Cell: (386) 365-0298 • E-mail: dgore@dgsurveying.com
Fax: (904) 339-9229

SCANNED

$1524.34 Ck # 502

Columbia County New Building Permit Application

For Office Use Only Application # 1703-58 Date Received 3-15-17 By LH Permit # 2394/35105

Zoning Official BLS Date 3-28-17 Flood Zone A & X Land Use RLD Zoning PRO

FEMA Map # _____ Elevation _____ MFE 116.3' Plat River _____ Plans Examiner T.C. Date 3-26-17

Comments Home in Flood Zone "X" / Need Elevation Confirmation Letter at Slab

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

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

☐ Owner Builder Disclosure Statement ☑ Corp Doc's ☐ ~~Ellisville Water~~ ☑ App Fee Paid ☑ Sub VF Form

Septic Permit No. City OR City Water Fax _____

Applicant (Who will sign/pickup the permit) LORA DAVID Phone 3655671

Address 426 SW Commerce Dr Ste 130, LC FL 32025

Owners Name The Preserve At Laurel Lakes LLC Phone 755 0757

911 Address 437 SW Rosemary Dr LC FL 32024

Contractors Name Aaron Simque Homes Phone 867-5395

Address 426 SW Commerce Dr Ste B0 LC FL 32025

Contractor Email aaron@aaronsimque.com ***Include to get updates on this job.

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Ridgepoint Design

Mortgage Lenders Name & Address Renasant Bank PO Box 3880 Valdosta, GA 31604

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

Property ID Number 03-4S-16-02731-112 Estimated Construction Cost 160K

Subdivision Name Preserve At Laurel Lakes Lot 112 Block ___ Unit 1 Phase ___

Driving Directions from a Major Road Hwy 90 W, Turn left on 252 B, turn Right onto Rosemary Dr, Property is the 3rd on Right pass the clubhouse.

Construction of SFR ___ Commercial OR ✓ Residential

Proposed Use/Occupancy SFR Number of Existing Dwellings on Property —

Is the Building Fire Sprinkled? NO If Yes, blueprints included ___ Or Explain 8/12 pitch

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

Actual Distance of Structure from Property Lines - Front 25.5' Side 15.91' Side 14.5' Rear 46

Number of Stories 2 Heated Floor Area 3119 Total Floor Area 4334 Acreage .33

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

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 National Electrical Code.

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

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

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

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

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

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

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

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

Scott Stewart
Print Owners Name

Owners Signature

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

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

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

Contractor's Signature

Contractor's License Number RR2828811879
Columbia County
Competency Card Number 000713

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 14 **day of** March **20**17.

Personally known V **or Produced Identification**

State of Florida Notary Signature (For the Contractor)

MICHELLE MONAHAN
Notary Public - State of Florida
Commission # FF 903270
My Comm. Expires Nov 20, 2019
Bonded through National Notary Assn.

SEAL

Inst. Number: 201812013327 Book: 1363 Page: 1172 Page 1 of 2 Date: 6/28/2018 Time: 10:23 AM
P.DeWitt Cason Clerk of Courts, Columbia County, Florida Doc Deed: 3,079.30 Int Tax: 0.00 Doc Mort: 0.00

Prepared by and return to:
Rob Stewart
Lake City Title
426 SW Commerce Drive, Ste 145
Lake City, FL 32025
(386) 758-1880
File No 2018-2392
Parcel Identification No 03-4S-16-02731-112

[Space Above This Line For Recording Data]

WARRANTY DEED

(STATUTORY FORM – SECTION 689.02, F.S.)

This indenture made the **27th day of June, 2018** between **The Preserve at Laurel Lake, Inc., a Florida Corporation**, whose post office address is **426 SW Commerce Drive, Suite 130, Lake City, FL 32025**, of the County of Columbia, State of Florida, Grantor, to **Rolando Dominguez Mustafa and Evelin Jayo Farell, Husband and Wife**, whose post office address is **437 SW Rosemary Drive, Lake City, FL 32024,** of the County of Columbia, State of Florida, Grantees:

Witnesseth, that said Grantor, for and in consideration of the sum of TEN DOLLARS (U.S.$10.00) and other good and valuable considerations to said Grantor in hand paid by said Grantees, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said Grantees, and Grantees' heirs and assigns forever, the following described land, situate, lying and being in Columbia, Florida, to-wit:

Lot 112, of PRESERVE AT LAUREL LAKE UNIT 1, according to the Plat thereof, as recorded in Plat Book 9, Page 19, of the Public Records of Columbia County, Florida.

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

Subject to taxes for 2018 and subsequent years, not yet due and payable; covenants, restrictions, easements, reservations and limitations of record, if any.

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

And Grantor hereby covenant with the Grantees that the Grantor are lawfully seized of said land in fee simple, that Grantor have good right and lawful authority to sell and convey said land and that the Grantor hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, Grantor have hereunto set Grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

Carlene Crosier
WITNESS Carlene Crosier

Regina Simpkins
WITNESS Regina Simpkins

The Preserve at Laurel Lake, Inc., a Florida Corporation

By: _____
Scott D. Stewart, President

State of Florida
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of June, 2018 by Scott D. Stewart President of The Preserve at Laurel Lake, Inc., a FL Corporation, who is personally known to me.

Regina Simpkins
Signature of Notary Public

Regina Simpkins

REGINA SIMPKINS
MY COMMISSION # GG059915
EXPIRES January 04, 2021

ORIGINAL COPY

TO WHOM it may concern, 9-13-18

I need to Reinstate THE Following permits to get a CO. THE initial permits HAVE EXPIRED as an oversight on my part as THESE SPEC Homes sat on THE market for an EXTENDED time. THE Following permits are listed below

PRESERVE AT LAUREL LAKE

✓ LOT 71 35102
✓ LOT 80 35276
✓ LOT 104 35691
LOT 112 35105

Aaron SIMQUE
President, Aaron SIMQUE Homes

386-867-5395

Inst. Number: 201712010652 Book: 1338 Page: 928 Page 1 of 1 Date: 6/8/2017 Time: 2:27 PM
P.DeWitt Cason Clerk of Courts, Columbia County, Florida

35105

NOTICE OF COMMENCEMENT

Inst: 201712010652 Date: 06/08/2017 Time: 2:27PM
Page 1 of 1 B: 1338 P: 928, P.DeWitt Cason, Clerk of Court
Columbia, County, By: PT
Deputy Clerk

Tax Parcel Identification Number:

03-4S-16-02731-112

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property *(legal description)*: Lot 112 The Preserve at Laurel Lakes
   a) Street *(job)* Address: 437 SW Rosemary DR.
2. General description of improvements: SFR
3. Owner Information
   a) Name and address: The Preserve at Laurel Lake, Inc.
   b) Name and address of fee simple titleholder (if other than owner) 426 SW Commerce DR, Ste 120, LC, FL 32025
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Aaron Simque
   b) Telephone No.: 867-0495 Fax No. (Opt.)
5. Surety Information
   a) Name and address: - N/A -
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: Regions Bank P.O. Box 3880, Valdosta, GA 31604
   b) Phone No. ATTN: ED Hutchinson -
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Scott Stewart
   b) Telephone No.: Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: Scott Stewart
   b) Telephone No.: 386-755-3117 Fax No. (Opt.)
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**:

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

Scott Stewart
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 7 day of June, 2017, by: Scott Stewart as President (type of authority, e.g. officer, trustee, attorney fact) for The Preserve at Laurel Lake, Inc. (name of party on behalf of whom instrument was executed).

Personally Known ✓ OR Produced Identification ____ Type ____

Notary Signature _____ Notary Stamp or Seal:

MICHELLE MONAHAN
Notary Public - State of Florida
Commission # FF 903270
My Comm. Expires Nov 20, 2019
Bonded through National Notary Assn.

-AND-

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

_____
Signature of Natural Person Signing (in line #10 above.)

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1703-58 CONTRACTOR [signature] PHONE

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL 811	Print Name Ryan Beattie License #: EC 13004236	Signature [signature] Phone #: 332-0360
MECHANICAL/ A/C	Print Name License #:	Signature Phone #:
PLUMBING/ GAS 623	Print Name MARK Ganskop License #: CFC 1428040	Signature [signature] Phone #: 386 867-0269
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	620	Brant Stovens	[signature]
CONCRETE FINISHER	1349	Scott Reeves	[signature]
FRAMING	1545	Cole Dean	
INSULATION	1320	TYSON RIGGINS	[signature]
STUCCO	N/A	—	[signature]
DRYWALL		Aaron Simque	[signature]
PLASTER	N/A	—	[signature]
CABINET INSTALLER		Aaron Simque	[signature]
PAINTING	000219	BRC HART	[signature]
ACOUSTICAL CEILING	N/A	—	—
GLASS	000618	CARL BULLARD JR	[signature]
CERAMIC TILE	20816	TREVOR BLANK	[signature]
FLOOR COVERING		Aaron Simque	[signature]
ALUM/VINYL SIDING	000 312	Paul Pl[illegible]	[signature]
GARAGE DOOR	000619	CARL BULLARD JR	[signature]
METAL BLDG ERECTOR	N/A	—	—

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

PERMIT NO. 1703-58

SUBCONTRACTOR VERIFICATION FORM

JOB ADDRESS [illegible]

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name License #	Signature Phone #
MECHANICAL/ A/C 1317	Print Name Bryan Bounds License # CAC1815188	Signature Phone # 472-2761
PLUMBING/ GAS	Print Name License #	Signature Phone #
ROOFING	Print Name License #	Signature Phone #
SHEET METAL	Print Name License #	Signature Phone #
FIRE SYSTEM/ SPRINKLER	Print Name License#	Signature Phone #
SOLAR	Print Name License #	Signature Phone #

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	620	Brant Stevens	
CONCRETE FINISHER	1349	Scott Reeves	
FRAMING	1545	Cole Deal	
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS	CCC061820	Carl Bullard or	
CERAMIC TILE	20916	Trent Bullard	
FLOOR COVERING			
ALUM/VINYL SIDING	000312	Paul Phinney	
GARAGE DOOR	CCC061979	Carl Bullard Jr	
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy. Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1703-58 CONTRACTOR PHONE

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C	Print Name License #	Signature Phone #
PLUMBING/ GAS	Print Name License #	Signature Phone #
ROOFING 1129	Print Name Dana Schnell License # CCC 1325497	Signature Phone # 352-472-4943
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#.	Signature Phone #
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits, identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

City of Lake City

Customer Service
205 North Marion Avenue
Lake City, Florida 32055-3918
Telephone (386) 752-2031 / Fax (386)719-5837

March 15, 2017

This letter is to verify that the City of Lake City has water, sewer and natural gas service available to tap into at 437 SW Rosemary Dr., parcel 03-4S-16-02731-112.

Please note, a tap will need to be completed before access to the service(s) is available. 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 M. Pelham
Utility Service Coordinator

Cc: Jason Dumas
Customer Service Manager

LOT139	ROSEMARY	798	SW	ROSEMARY	DR	32024
LOT91	ROSEMARY	797	SW	ROSEMARY	DR	32024
LOT92	ROSEMARY	777	SW	ROSEMARY	DR	32024
LOT93	ROSEMARY	761	SW	ROSEMARY	DR	32024
LOT94	ROSEMARY	747	SW	ROSEMARY	DR	32024
LOT95	ROSEMARY	731	SW	ROSEMARY	DR	32024
LOT96	ROSEMARY	715	SW	ROSEMARY	DR	32024
LOT97	ROSEMARY	701	SW	ROSEMARY	DR	32024
LOT98	ROSEMARY	691	SW	ROSEMARY	DR	32024
LOT99	ROSEMARY	687	SW	ROSEMARY	DR	32024
LOT100	ROSEMARY	679	SW	ROSEMARY	DR	32024
LOT101	ROSEMARY	659	SW	ROSEMARY	DR	32024
LOT102	ROSEMARY	641	SW	ROSEMARY	DR	32024
LOT103	ROSEMARY	623	SW	ROSEMARY	DR	32024
LOT104	ROSEMARY	601	SW	ROSEMARY	DR	32024
LOT105	ROSEMARY	563	SW	ROSEMARY	DR	32024
LOT106	ROSEMARY	541	SW	ROSEMARY	DR	32024
LOT107	ROSEMARY	523	SW	ROSEMARY	DR	32024
LOT108	ROSEMARY	505	SW	ROSEMARY	DR	32024
LOT109	ROSEMARY	491	SW	ROSEMARY	DR	32024
LOT110	ROSEMARY	471	SW	ROSEMARY	DR	32024
LOT111	ROSEMARY	453	SW	ROSEMARY	DR	32024
LOT112	ROSEMARY	437	SW	ROSEMARY	DR	32024
LOT113	ROSEMARY	421	SW	ROSEMARY	DR	32024
LOT114	ROSEMARY	407	SW	ROSEMARY	DR	32024
LOT115	ROSEMARY	391	SW	ROSEMARY	DR	32024
LOT116	ROSEMARY	375	SW	ROSEMARY	DR	32024
NEW	ROSEMARY	333	SW	ROSEMARY	DR	32024
MIN	SILVER PALM	100	SW	SILVER PALM	DR	32024
TB	SILVER PALM	242	SW	SILVER PALM	DR	32024
MAX	SILVER PALM	486	SW	SILVER PALM	DR	32024
LOT56	SILVER PALM	114	SW	SILVER PALM	DR	32024
LOT57	SILVER PALM	132	SW	SILVER PALM	DR	32024
LOT58	SILVER PALM	148	SW	SILVER PALM	DR	32024
LOT59	SILVER PALM	164	SW	SILVER PALM	DR	32024
LOT60	SILVER PALM	178	SW	SILVER PALM	DR	32024
LOT61	SILVER PALM	192	SW	SILVER PALM	DR	32024
LOT62	SILVER PALM	206	SW	SILVER PALM	DR	32024
LOT63	SILVER PALM	220	SW	SILVER PALM	DR	32024

OLDNUM	OLDSTR	NEWNUM	NE	NEWSTR	NEWT	NEWZI
LOT64	SILVER PALM	234	SW	SILVER PALM	DR	32024
LOT65	SILVER PALM	250	SW	SILVER PALM	DR	32024
LOT66	SILVER PALM	264	SW	SILVER PALM	DR	32024
LOT67	SILVER PALM	278	SW	SILVER PALM	DR	32024
LOT68	SILVER PALM	292	SW	SILVER PALM	DR	32024
LOT69	SILVER PALM	306	SW	SILVER PALM	DR	32024
LOT70	SILVER PALM	322	SW	SILVER PALM	DR	32024
LOT71	SILVER PALM	336	SW	SILVER PALM	DR	32024
LOT72	SILVER PALM	350	SW	SILVER PALM	DR	32024
LOT73	SILVER PALM	366	SW	SILVER PALM	DR	32024
LOT74	SILVER PALM	382	SW	SILVER PALM	DR	32024
LOT75	SILVER PALM	396	SW	SILVER PALM	DR	32024
LOT76	SILVER PALM	410	SW	SILVER PALM	DR	32024
LOT77	SILVER PALM	424	SW	SILVER PALM	DR	32024
LOT78	SILVER PALM	436	SW	SILVER PALM	DR	32024
LOT79	SILVER PALM	448	SW	SILVER PALM	DR	32024

Prepared by and return to:
Cornerstone Homes of Lake City
PO Box 1208
Lake City, FL 32056

Inst: 201712003902 Date: 03/03/2017 Time: 8:00AM
Page 1 of 1 B: 1332 P: 238, P.DeWitt Cason, Clerk of Court
Columbia, County, By: PT
Deputy ClerkDoc Stamp-Deed: 0.70

Folio Number: 03-4S-16-02731-071, 03-4S-16-02731-072, 03-4S-16-02731-080, 03-4S-16-02731-112

THIS WARRANTY DEED made this 27th day of February 27, 2017 by Cornerstone Homes of Lake City, Inc., a Florida Corporation, whose post office address is PO Box 1208, Lake City, FL 32056, hereinafter called the Grantor, to The Preserve at Laurel Lake, Inc., a Florida Corporation, whose post office address is PO Box 1208, Lake City, FL 32056 hereinafter called the Grantee.

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations).

WITNESSETH: That the grantor, for and in consideration of the sum of TEN AND 00/100'S ($10.00) Dollars, and other variable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situated in Columbia County, Florida, viz:
LOT 71, LOT 72, LOT 80, LOT 112, PRESERVE AT LAUREL LAKE UNIT 1, as per the plat thereof recorded in Plat Book 9, Page 19, of the Public Records of Columbia County, Florida

SUBJECT TO restrictions, reservations, easements and limitations of record, if any, provided that this shall not serve to reimpose same, zoning ordinances, and taxes for the current year and subsequent years.

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

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except as mentioned above.

IN WITNESS WHEREOF, the said grantor has signed and sealed the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness
Print Name Linda Walser

Witness
Print Name Gracie Morton

Cornerstone Homes of Lake City, Inc.
Scott Stewart, President

STATE OF: FLORIDA
COUNTY OF: COLUMBIA

The foregoing instrument was acknowledged before me this 27 day of February, 2017 by Scott Stewart, as President of Cornerstone Homes of Lake City, Inc, A Florida Corporation, who is/are personally known to me or has/have produced _____ as identification and who did not take an oath.

Notary Public

Printed Notary Name

(SEAL)
MICHELLE MONAHAN
Notary Public - State of Florida
Commission # FF 903270
My Comm. Expires Nov 20, 2019
Bonded through National Notary Assn.

Detail by Entity Name

Florida Profit Corporation

THE PRESERVE AT LAUREL LAKE, INC.

Filing Information

Document Number	P14000092433
FEI/EIN Number	47-2334288
Date Filed	11/13/2014
State	FL
Status	ACTIVE

Principal Address

426 SW COMMERCE DRIVE, SUITE 130
LAKE CITY, FL 32025

Mailing Address

426 SW COMMERCE DRIVE, SUITE 130
LAKE CITY, FL 32025

Registered Agent Name & Address

STEWART, SCOTT D
426 SW COMMERCE DRIVE, SUITE 130
LAKE CITY, FL 32025

Officer/Director Detail

Name & Address

Title President

Stewart, Scott
P O Box 1208
Lake City, FL 32056

Title VP

Simque, Aaron
333 SW Rosemary Drive
Lake City, FL 32024

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

03S16027311 12

Clerk's Office Stamp

Inst: 201712005773 Date: 03/30/2017 Time: 10:26AM
Page 1 of 1 B: 1333 P: 1947, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: LOT 112 Preserve At Laurel Lakes
   a) Street *(job)* Address: 437 SW Roseman DR LC FL 32024
2. General description of improvements: SFR
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: The Preserve At Laurel Lakes
   b) Name and address of fee simple titleholder (if other than owner) 1126 SW Comm DR Ste 130 LCFL 32024
   c) Interest in property Owner
4. Contractor Information
   a) Name and address: Aaron Simque
   b) Telephone No.: 867 0495
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address:
   b) Amount of Bond:
   c) Telephone No.:
6. Lender
   a) Name and address: Renasant Bank PO Box 3880 Valdosta GA 31604
   b) Phone No. Ann. Ed Hutchinson
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
   a) Name and address:
   b) Telephone No.:
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name: Scott Stewart of The Preserve At Laurel Lakes
   b) Telephone No.: 386 755 0757
9. Expiration date of Notice of Commencement **(the expiration date will be 1 year from the date of recording unless a different date is specified)**:

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

Scott Stewart President
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 29 day of March, 2017 by:

Scott Stewart as President for The Preserve at Laurel Lake, Inc.
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known X OR Produced Identification ____ Type ____

Notary Signature _____ Notary Stamp (Seal)

MICHELLE MONAHAN
Notary Public - State of Florida
Commission # FF 903270
My Comm. Expires Nov 20, 2019
Bonded through National Notary Assn.

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000002394

DATE: 03/29/2017 BUILDING PERMIT NO. 35105

APPLICANT LORA DAVID PHONE 365-5671

ADDRESS 426 SW COMMERCE DR STE 130 LAKE CITY FL 32025

OWNER THE PERSERVE AT LAUREL LAKE INC PHONE 755-0757

ADDRESS 437 SW ROSEMARY DR LAKE CITY FL 32024

CONTRACTOR AARON SIMQUE PHONE 867-5395

LOCATION OF PROPERTY 90 W. L CR-252-B. R ROSEMARY DR. 3RD ON RIGHT PASS

THE CLUBHOUSE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PERZERVE @ LAUREL LK 112 1

PARCEL ID # 03-4S-16-02731-112

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Lora David

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

X APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: David McClamma DATE: 4/6/2017

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-758-1019

ENTERED

COLUMBIA COUNTY OFFICIAL FLORIDA

View Results Online:

http://www.columbiacountyfla.com/PermitSearch/CulvertSearch.aspx

SPECIFIC PURPOSE SURVEY

SITE PLAN OF
LOT 112, PRESERVE AT
LAUREL LAKE, UNIT 1
SECTION 3, TWP 3–S, RNG 16–E
COLUMBIA COUNTY, FLORIDA

DESCRIPTION

LOT 112, PRESERVE AT LAUREL LAKE, UNIT 1, ACCORDING TO THE MAP OR PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGE 19–25 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CURVE TABLE					
CURVE	RADIUS	DELTA ANGLE	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	825.00'	6°01'47"	86.82'	S 48°38'38" W	86.78'

LEGEND

- ○ DENOTES 5/8" IRON ROD & CAP SET (LB7683)
- ● DENOTES IRON PIPE OR REBAR FOUND (5/8")
- □ DENOTES 4"x4" CONCRETE MONUMENT SET (LB7683)
- ■ DENOTES 4"x4" CONCRETE MONUMENT FOUND
- ⊙ DENOTES NAIL & DISC FOUND
- NO ID - NO IDENTIFICATION
- FND - FOUND
- CM - CONCRETE MONUMENT
- ± - MORE OR LESS
- ORB - OFFICIAL RECORDS BOOK
- PG - PAGE (S)
- (P) - PLAT
- (D) - DEED
- (C) - CALCULATED
- (M) - MEASURED
- AC. - ACRE(S)
- POB - POINT OF BEGINNING
- POC - POINT OF COMMENCEMENT
- EOP - EDGE OF PAVEMENT
- EOG - EDGE OF GRADE
- N - NORTH
- E - EAST
- S - SOUTH
- W - WEST
- ⊗ - TELEPHONE PEDESTAL

- PC - POINT OF CURVATURE
- PI - POINT OF INTERSECTION
- PT - POINT OF TANGENCY
- IP - IRON PIPE
- IPC - IRON PIPE and CAP
- IR - IRON ROD
- IRC - IRON ROD and CAP
- R - RADIUS
- T - TANGENT
- L - ARC LENGTH
- Δ - CENTRAL ANGLE
- CH - CHORD BEARING & DISTANCE
- R/W - RIGHT OF WAY
- TWP - TOWNSHIP
- RNG - RANGE
- X——X DENOTES FENCE
- E— E DENOTES OVERHEAD ELECTRIC
- -O- - POWER POLE
- CONCRETE

SCALE: 1" = 30'

0 30 60 90

SURVEY FOR: AARON SIMQUE HOMES

03/13/2017
DATE OF CERTIFICATE

//
DATE OF FIELD SURVEY

BRIAN SCOTT DANIEL, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA CERTIFICATE NO. 6449

SURVEY VALID ONLY ON THE DATE OF FIELD SURVEY SHOWN HEREON. NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER.

JOB NUMBER:	170028
APPROVED:	BSD
DRAWN BY:	BSD
FIELD BOOK :	EFB
SHEET NO.	1 OF 1

DANIEL & GORE, LLC
Professional Surveying and Mapping

P.O. BOX 1501
LAKE CITY, FL 32056
PH.: (386) 208-4176
Fax: (904) 339-9229

11564 74th TER.
LIVE OAK, FL 32060
Email: sdaniel@dgsurveying.com
LICENSE NO. LB 7683

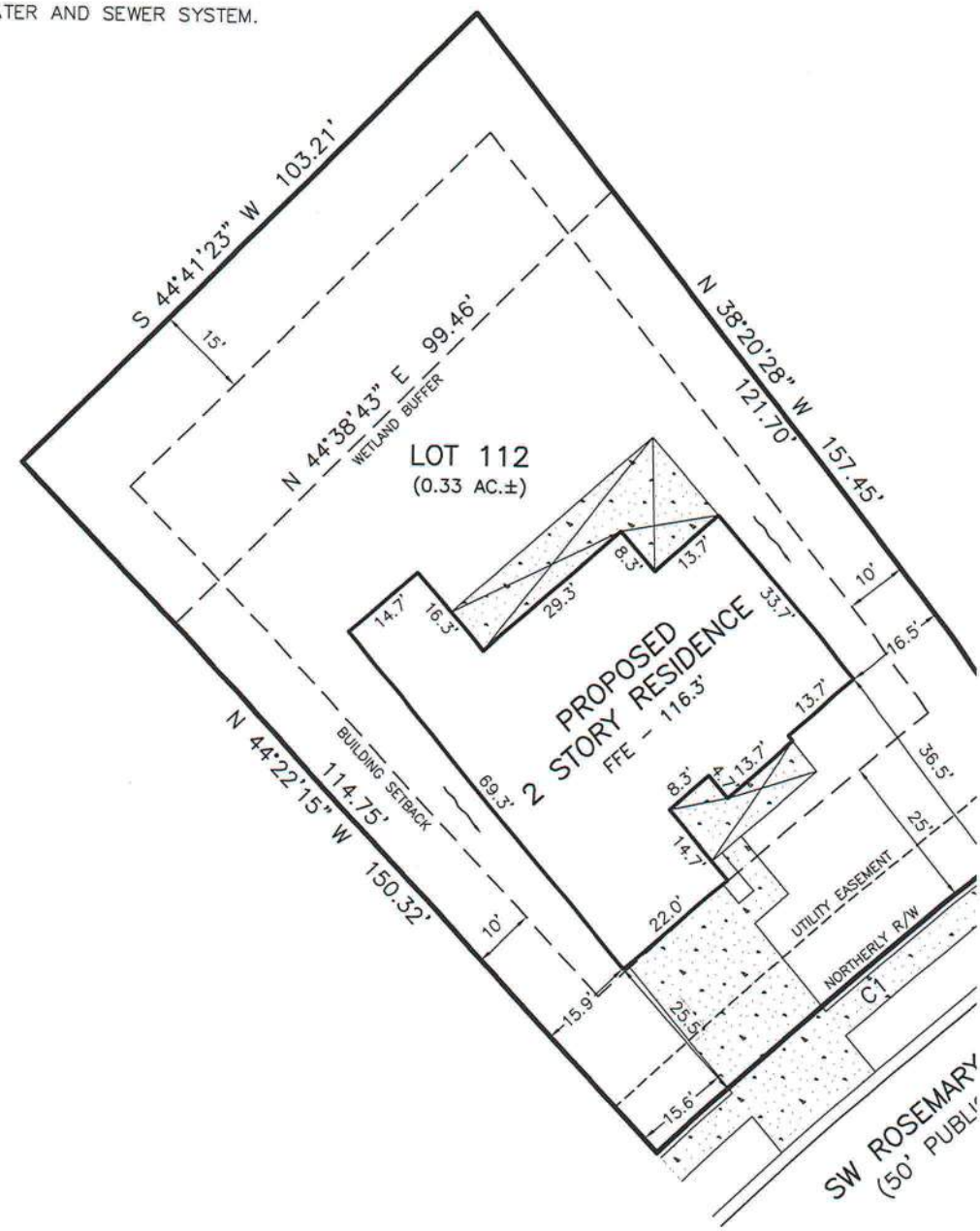
NOTES:

1. BEARINGS ARE BASED ON THE NORTHERLY RIGHT OF WAY LINE OF SW ROSEMARY DRIVE, BEING S 48°38'38" W, ASSUMED.

2. THE PURPOSE OF THIS SURVEY IS TO SHOW PROPOSED IMPROVEMENTS IN RELATION TO LOT LINES.

3. NO ATTEMPT WAS MADE BY THIS SURVEY TO DETERMINE IF THE SUBJECT PROPERTY LIES WITHIN A FLOOD PRONE AREA.

4. RESIDENCE TO BE ON A COMMUNITY WATER AND SEWER SYSTEM.



COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 2009. 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

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

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

Site Plan information including:

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

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

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

Elevations Drawing including:

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

Floor Plan including:

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

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

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

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	✓		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers	✓		
42	Attachment of joist to girder	✓		
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space	✓		
45	Show required amount of ventilation opening for under-floor spaces	✓		
46	Show required covering of ventilation opening	✓		
47	Show the required access opening to access to under-floor spaces	✓		
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & inter of the areas structural panel sheathing	✓		

49	Show Draftstopping, Fire caulking and Fire blocking	✓		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	✓		
51	Provide live and dead load rating of floor framing systems (psf).	✓		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
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	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

90	Appliances and HVAC equipment and disconnects			
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.	✓		

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.

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee.	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058			✓
95	**City of Lake City** A permit showing an approved waste water sewer tap 386-752-2031	✓		
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**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.			✓
98	**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			✓
99	**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.			✓
100	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			
101	**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.	✓		
102	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 Ext. 3	✓		

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	PGT Industries	exterior Door	FL253-R12
B. SLIDING			
C. SECTIONAL			
D. ROLL UP	overhead	GARAGE DOOR	FL7142-R6
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	PGT	Single Hung Window	FL 239-R-19
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Hardi board Siding	FL8192-R2
B. SOFFITS			
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	TAMKO	Asphalt Shingles	FL1956-R8
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)

N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS			
B. TRUSS PLATES			
C. ENGINEERED LUMBER			
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

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

Lou David
APPLICANT SIGNATURE

3-14-17
DATE

Load Short Form
Entire House
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	52

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

HEATING EQUIPMENT

Make	Carrier
Trade	
Model	CH14NB06000G
AHRI ref	7835948
Efficiency	8.1 HSPF
Heating input	
Heating output	57762 Btuh @ 47°F
Temperature rise	27 °F
Actual air flow	1935 cfm
Air flow factor	0.039 cfm/Btuh
Static pressure	1.00 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	Carrier
Trade	
Cond	CH14NB06000G
Coil	FX4DNF061L00
AHRI ref	7835948
Efficiency	12.2 EER, 14 SEER
Sensible cooling	40635 Btuh
Latent cooling	17415 Btuh
Total cooling	58050 Btuh
Actual air flow	1935 cfm
Air flow factor	0.046 cfm/Btuh
Static pressure	1.00 in H2O
Load sensible heat ratio	0.88

ROOM NAME		Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Zone 2	p	852	17837	12491	692	575
Zone 1	p	2207	32060	33054	1243	1520
Entire House	d	3059	49897	41807	1935	1935
Other equip loads			0	0		
Equip. @ 0.97 RSM				40553		
Latent cooling				5927		
TOTALS		3059	49897	46480	1935	1935

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Load Short Form
Zone 1
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	52

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

COOLING EQUIPMENT

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
bedroom 3	182	3741	3480	145	160
WIC 3	20	485	192	19	9
WIC 2	20	485	192	19	9
bedroom 2	173	3973	3828	154	176
bath 2	46	87	147	3	7
dining	187	2870	1968	111	91
foyer	78	1974	1525	77	70
kitchen/nook	351	3548	4050	138	186
hall 1	32	0	0	0	0
great room	403	3870	4196	150	193
master bedroom	254	6604	7434	256	342
toilet	24	421	181	16	8
master bath	160	1894	3358	73	154
WIC 1	102	1446	1325	56	61
laundry	65	663	1179	26	54
hall 2	109	0	0	0	0

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Zone 1	p	2207	32060	33054	1243	1520
Other equip loads			0	0		
Equip. @ 0.97 RSM				32063		
Latent cooling				3823		
TOTALS		2207	32060	35886	1243	1520

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Load Short Form
Zone 2
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	50	50
Moisture difference (gr/lb)	29	52

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

HEATING EQUIPMENT

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

COOLING EQUIPMENT

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
media room	521	10699	6335	415	291
Bath 3	67	1148	514	45	24
bedroom 4	264	5989	5642	232	260
Zone 2 p	852	17837	12491	692	575
Other equip loads		0	0		
Equip. @ 0.97 RSM			12116		
Latent cooling			2104		
TOTALS	852	17837	14220	692	575

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Project Summary
Entire House
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	68 °F
Design TD	35 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	37861 Btuh
Ducts	12037 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	49897 Btuh

Sensible Cooling Equipment Load Sizing

Structure	26961 Btuh
Ducts	14847 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	40553 Btuh

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	3059	3059
Volume (ft³)	27530	27530
Air changes/hour	0.19	0.10
Equiv. AVF (cfm)	87	46

Latent Cooling Equipment Load Sizing

Structure	3013 Btuh
Ducts	2914 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5927 Btuh
Equipment total load	46480 Btuh
Req. total capacity at 0.70 SHR	4.8 ton

Heating Equipment Summary

Make	Carrier
Trade	
Model	CH14NB06000G
AHRI ref	7835948
Efficiency	8.1 HSPF
Heating input	
Heating output	57762 Btuh @ 47°F
Temperature rise	27 °F
Actual air flow	1935 cfm
Air flow factor	0.039 cfm/Btuh
Static pressure	1.00 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Carrier
Trade	
Cond	CH14NB06000G
Coil	FX4DNF061L00
AHRI ref	7835948
Efficiency	12.2 EER, 14 SEER
Sensible cooling	40635 Btuh
Latent cooling	17415 Btuh
Total cooling	58050 Btuh
Actual air flow	1935 cfm
Air flow factor	0.046 cfm/Btuh
Static pressure	1.00 in H2O
Load sensible heat ratio	0.88

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Project Summary
Zone 1
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	68	°F
Design TD	35	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	24326	Btuh
Ducts	7734	Btuh
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	32060	Btuh

Sensible Cooling Equipment Load Sizing

Structure	21316	Btuh
Ducts	11738	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	32063	Btuh

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	2207	2207
Volume (ft³)	19863	19863
Air changes/hour	0.15	0.08
Equiv. AVF (cfm)	50	26

Latent Cooling Equipment Load Sizing

Structure	1721	Btuh
Ducts	2102	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	3823	Btuh
Equipment total load	35886	Btuh
Req. total capacity at 0.70 SHR	3.8	ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a

Efficiency	n/a	
Heating input		
Heating output	0	Btuh
Temperature rise	0	°F
Actual air flow	0	cfm
Air flow factor	0	cfm/Btuh
Static pressure	0	in H2O
Space thermostat	n/a	

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a

Efficiency	n/a	
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual air flow	0	cfm
Air flow factor	0	cfm/Btuh
Static pressure	0	in H2O
Load sensible heat ratio	0	

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.

Project Summary
Zone 2
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	68	°F
Design TD	35	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	13534	Btuh
Ducts	4303	Btuh
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	17837	Btuh

Sensible Cooling Equipment Load Sizing

Structure	8055	Btuh
Ducts	4436	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	12116	Btuh

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	852	852
Volume (ft³)	7667	7667
Air changes/hour	0.29	0.15
Equiv. AVF (cfm)	37	20

Latent Cooling Equipment Load Sizing

Structure	1292	Btuh
Ducts	812	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	2104	Btuh
Equipment total load	14220	Btuh
Req. total capacity at 0.70 SHR	1.4	ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a

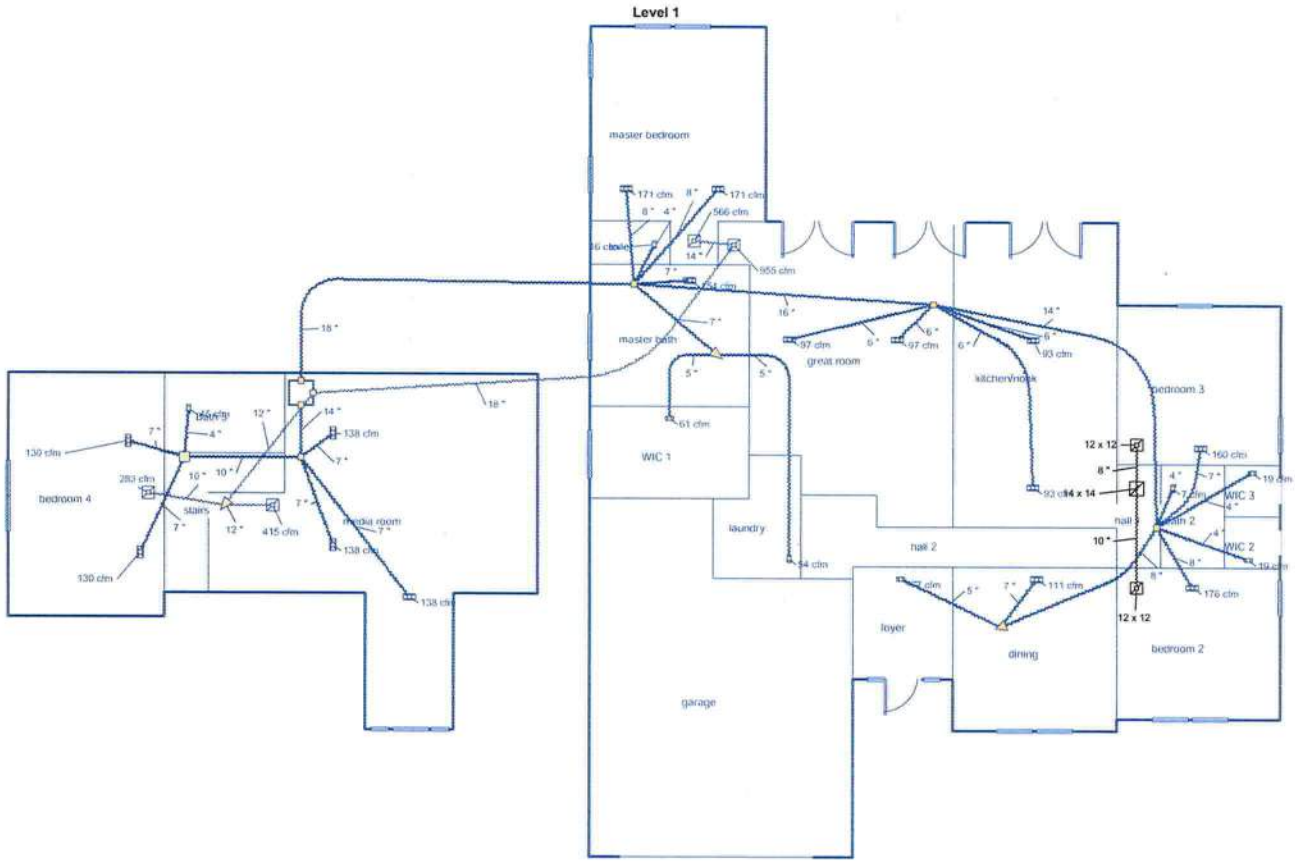
Efficiency	n/a	
Heating input		
Heating output	0	Btuh
Temperature rise	0	°F
Actual air flow	0	cfm
Air flow factor	0	cfm/Btuh
Static pressure	0	in H2O
Space thermostat	n/a	

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a

Efficiency	n/a	
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual air flow	0	cfm
Air flow factor	0	cfm/Btuh
Static pressure	0	in H2O
Load sensible heat ratio	0	

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Job #:
Performed by Joe Mullins for:
Aaron Simque Construction
Lot 112 The Preserve
Lake City

Bounds Heating & Air
25645 West Newberry Road
Newberry, Fl. 32669
Phone: 352-472-2761 Fax: 352-472-1809
www.boundshvac.com joe.atbounds@yahoo.com

Scale: 1 : 179

Comfort Builder by Wrightsoft
17.0.03 RSU01870
2017-Mar-01 12:50:16
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Duct System Summary
Entire House
Bounds Heating & Air

Job:
Date: March 1, 2017
By: Joe Mullins
Plan: The Bristol

25645 West Newberry Road, Newberry, Fl. 32669 Phone: 352-472-2761 Fax: 352-472-1809 Email: joe.atbounds@yahoo.com Web: www.boundshvac.com

Project Information

For: Aaron Simque Construction
Lot 112 The Preserve, Lake City

	Heating	Cooling
External static pressure	1.00 in H2O	1.00 in H2O
Pressure losses	0.30 in H2O	0.30 in H2O
Available static pressure	0.70 in H2O	0.70 in H2O
Supply / return available pressure	0.538 / 0.162 in H2O	0.538 / 0.162 in H2O
Lowest friction rate	0.189 in/100ft	0.189 in/100ft
Actual air flow	1935 cfm	1935 cfm
Total effective length (TEL)	371 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bath 3-A	h	1148	45	24	0.421	4.0	0x 0	VlFx	18.0	110.0	st7
WIC 1	c	1325	56	61	0.308	5.0	0x 0	VlFx	54.9	120.0	st3
WIC 2	h	485	19	9	0.221	4.0	0x 0	VlFx	103.2	140.0	st5
WIC 3	h	485	19	9	0.220	4.0	0x 0	VlFx	104.4	140.0	st5
bath 2	c	147	3	7	0.226	4.0	0x 0	VlFx	98.7	140.0	st5
bedroom 2	c	3828	154	176	0.223	8.0	0x 0	VlFx	100.9	140.0	st5
bedroom 3	c	3480	145	160	0.217	7.0	0x 0	VlFx	103.2	145.0	st5
bedroom 4-A	c	2821	116	130	0.418	7.0	0x 0	VlFx	18.9	110.0	st7
bedroom 4-B	c	2821	116	130	0.405	7.0	0x 0	VlFx	22.8	110.0	st7
dining	h	2870	111	91	0.192	7.0	0x 0	VlFx	116.1	165.0	st6
foyer	h	1974	77	70	0.189	5.0	0x 0	VlFx	120.3	165.0	st6
great room	c	2098	75	97	0.298	6.0	0x 0	VlFx	65.6	115.0	st4
great room-A	c	2098	75	97	0.285	6.0	0x 0	VlFx	73.8	115.0	st4
kitchen/nook	c	2025	69	93	0.291	6.0	0x 0	VlFx	70.2	115.0	st4
kitchen/nook-A	c	2025	69	93	0.267	6.0	0x 0	VlFx	81.4	120.0	st4
laundry	c	1179	26	54	0.286	5.0	0x 0	VlFx	68.6	120.0	st3
master bath	c	3358	73	154	0.396	7.0	0x 0	VlFx	41.0	95.0	st1
master bedroom	c	3717	128	171	0.379	8.0	0x 0	VlFx	47.0	95.0	st1
master bedroom-A	c	3717	128	171	0.386	8.0	0x 0	VlFx	44.4	95.0	st1
media room	h	3566	138	97	0.551	7.0	0x 0	VlFx	7.7	90.0	st2
media room-A	h	3566	138	97	0.527	7.0	0x 0	VlFx	12.1	90.0	st2
media room-B	h	3566	138	97	0.494	7.0	0x 0	VlFx	19.1	90.0	st2
toilet	h	421	16	8	0.399	4.0	0x 0	VlFx	40.1	95.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st7	Peak AVF	277	283	0.405	519	10.0	0 x 0	VinlFlx	st2
st2	Peak AVF	692	575	0.405	647	14.0	0 x 0	VinlFlx	
st3	Peak AVF	82	115	0.286	431	7.0	0 x 0	VinlFlx	st1
st6	Peak AVF	188	161	0.189	538	8.0	0 x 0	VinlFlx	st5
st5	Peak AVF	528	521	0.189	494	14.0	0 x 0	VinlFlx	st4
st4	Peak AVF	816	901	0.189	645	16.0	0 x 0	VinlFlx	st1
st1	Peak AVF	1243	1520	0.189	860	18.0	0 x 0	VinlFlx	

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb6	0x 0	277	283	68.3	0.237	519	10.0	0x 0		VlFx	rt1
rb7	0x 0	415	291	65.9	0.245	528	12.0	0x 0		VlFx	rt1
rb1	0x 0	402	566	79.0	0.205	529	14.0	0x 0		VlFx	rt2
rb2	0x 0	841	955	85.7	0.189	540	18.0	0x 0		VlFx	rt2

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rt1	Peak AVF	692	575	0.237	881	12.0	0 x 0	VinlFlx	
rt2	Peak AVF	1243	1520	0.189	860	18.0	0 x 0	VinlFlx	

New Construction Subterranean Termite Service Record

OMB Appr (e

This form is completed by the licensed Pest Control Company. #35105

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise.

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.

Company Address P.O. Box 1795 City Lake City State FL Zip 32056

Company Business License No. JB182948 Company Phone No. 386-755-3611

FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name Aaron Simguc Phone No. 867-5395

Section 3: Property Information The Preserve at Laurel Lake Inc

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 437 SW Rosemary DR. Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 5-9-2017

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other

Check all that apply:

☒ A. Soil Applied Liquid Termiticide

Brand Name of Termiticide: Viper Advanced EPA Registration No. 53883-279

Approx. Dilution (%): .05 Approx. Total Gallons Mix Applied: 500 Treatment completed on exterior: ☐ Yes ☐ No

☐ B. Wood Applied Liquid Termiticide

Brand Name of Termiticide: EPA Registration No.

Approx. Dilution (%): Approx. Total Gallons Mix Applied:

☐ C. Bait System Installed

Name of System EPA Registration No. Number of Stations Installed

☐ D. Physical Barrier System Installed

Name of System Attach installation information (required)

Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) C Lance Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Date 5-9-2017

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

FORM R405-2014

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Bristol Model	Builder Name:	Aaron Simque Homes
Street:		Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32024	Permit Number:	
Owner:	Spec House	Jurisdiction:	
Design Location:	FL, Gainesville	County::	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	3119
Conditioned floor area below grade (ft²)	0

7. Windows(393.3 sqft.)	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.33 SHGC=0.22	393.33 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
Area Weighted Average Overhang Depth:		6.087 ft.
Area Weighted Average SHGC:		0.220

8. Floor Types (3119.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	3119.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (2103.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1770.00 ft²
b. Frame - Wood, Adjacent	R=13.0	333.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (3119.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=30.0	3119.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	8	623.8

	kBtu/hr	Efficiency
12. Cooling systems a. Central Unit	60.0	SEER:15.00
13. Heating systems a. Electric Heat Pump	60.0	HSPF:8.50
14. Hot water systems a. Electric	Cap: 40 gallons	EF: 0.920
b. Conservation features None		
15. Credits		CF, Pstat

COLUMBIA COUNTY BUILDING DEPARTMENT
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Code Compliance
PLANS EXAMINER

Glass/Floor Area: 0.126

Total Proposed Modified Loads: 63.57

Total Baseline Loads: 72.09

PASS

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

PREPARED BY: _____

DATE: 2-21-17

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.2.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and an envelope leakage test report in accordance with R402.4.1.2.

- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with Section 803 of RESNET Standards, is not greater than 0.030 Qn for whole house.

FORM R405-2014

PROJECT

Title:	Bristol Model	Bedrooms:	4	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	3119	Lot #	
Owner:	Spec House	Total Stories:	1	Block/SubDivision:	Preserves
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Aaron Simque Homes	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	3119	24952

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	3119	24952	Yes	6	4	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	235 ft	0	3119 ft²	----	0.33	0.33	0.34

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	3749 ft²	0 ft²	Medium	0.85	No	0.9	No	0	33.7

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	3119 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	3119 ft²	0.11	Wood

FORM R405-2014

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	N	Exterior	Frame - Wood	Main	13	13	8	9		123.0 ft²	0.625	0.23	0.75	0
____	2	W	Exterior	Frame - Wood	Main	13	8	4	9		75.0 ft²	0.625	0.23	0.75	0
____	3	N	Exterior	Frame - Wood	Main	13	29	4	9		264.0 ft²	0.625	0.23	0.75	0
____	4	W	Exterior	Frame - Wood	Main	13	16	4	9		147.0 ft²	0.625	0.23	0.75	0
____	5	N	Exterior	Frame - Wood	Main	13	14	8	9		132.0 ft²	0.625	0.23	0.75	0
____	6	E	Exterior	Frame - Wood	Main	13	39	4	9		354.0 ft²	0.625	0.23	0.75	0
____	7	S	Exterior	Frame - Wood	Main	13	8	4	9		75.0 ft²	0.625	0.23	0.75	0
____	8	E	Exterior	Frame - Wood	Main	13	4	8	9		42.0 ft²	0.625	0.23	0.75	0
____	9	S	Exterior	Frame - Wood	Main	13	13	8	9		123.0 ft²	0.625	0.23	0.75	0
____	10	W	Exterior	Frame - Wood	Main	13	1		9		9.0 ft²	0.625	0.23	0.75	0
____	11	S	Exterior	Frame - Wood	Main	13	13	8	9		123.0 ft²	0.625	0.23	0.75	0
____	12	E	Exterior	Frame - Wood	Main	13	33	8	9		303.0 ft²	0.625	0.23	0.75	0
____	13	S	Garage	Frame - Wood	Main	13	37		9		333.0 ft²		0.23	0.75	0

DOORS

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

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	18.0 ft²	17 ft 10 in	1 ft 4 in	None	None
_____	2	N	3	Vinyl	Low-E Double	Yes	0.33	0.22	144.0 ft²	9 ft 6 in	1 ft 4 in	None	None
_____	3	N	5	Vinyl	Low-E Double	Yes	0.33	0.22	54.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	4	E	6	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	5	E	6	Vinyl	Low-E Double	Yes	0.33	0.22	16.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	6	E	6	Vinyl	Low-E Double	Yes	0.33	0.22	4.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	7	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	13.3 ft²	12 ft 2 in	1 ft 4 in	None	None
_____	8	S	9	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	7 ft 6 in	1 ft 4 in	None	None
_____	9	S	11	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	None	None
_____	10	E	12	Vinyl	Low-E Double	Yes	0.33	0.22	36.0 ft²	1 ft 6 in	1 ft 4 in	None	None

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	520.674 ft²	384 ft²	64 ft	8 ft	1

FORM R405-2014

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000254	2079.3	114.15	214.68	.1957	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump	None	HSPF:8.5	60 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit	None	SEER: 15	60 kBtu/hr	1800 cfm	0.8	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.92	40 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	8	623.8 ft	Attic	155.95	Prop. Leak Free	Garage	--- cfm	93.6 cfm	0.03	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

FORM R405-2014

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Bristol Model

Lake City, FL 32024

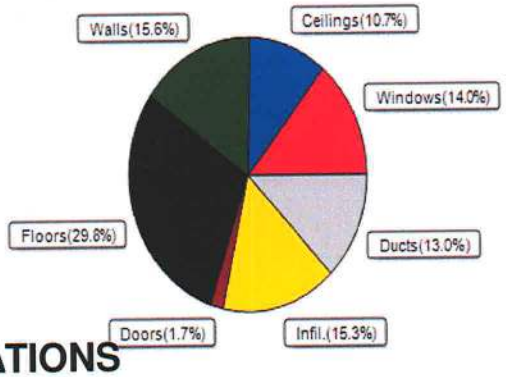
2/21/2017

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature(TMY3 99%)	30	F	Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	19	F
Total heating load calculation	**37212**	**Btuh**	**Total cooling load calculation**	**29038**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	161.2	60000	Sensible (SHR = 0.80)	202.4	48000
Heat Pump + Auxiliary(0.0kW)	161.2	60000	Latent	225.6	12000
			Total (Electric Heat Pump)	206.6	60000

WINTER CALCULATIONS

Winter Heating Load (for 3119 sqft)

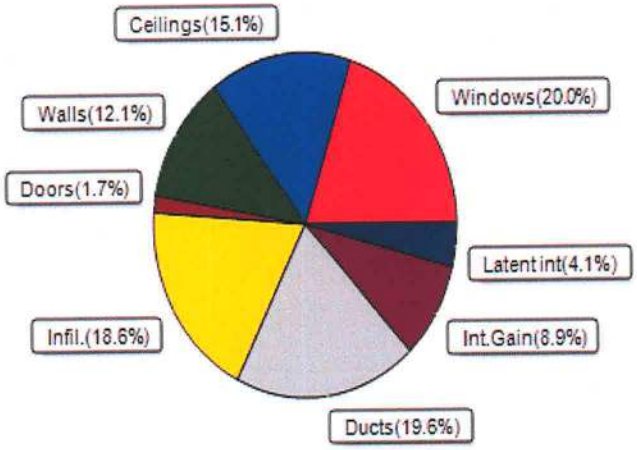
Load component			Load	
Window total	393	sqft	5192	Btuh
Wall total	1670	sqft	5790	Btuh
Door total	40	sqft	640	Btuh
Ceiling total	3119	sqft	3973	Btuh
Floor total	3119	sqft	11092	Btuh
Infiltration	130	cfm	5702	Btuh
Duct loss			4823	Btuh
Subtotal			**37212**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**37212**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3119 sqft)

Load component			Load	
Window total	393	sqft	5812	Btuh
Wall total	1670	sqft	3510	Btuh
Door total	40	sqft	480	Btuh
Ceiling total	3119	sqft	4371	Btuh
Floor total			0	Btuh
Infiltration	98	cfm	2031	Btuh
Internal gain			2580	Btuh
Duct gain			4934	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**23718**	**Btuh**
Latent gain(ducts)			749	Btuh
Latent gain(infiltration)			3371	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**5320**	**Btuh**
TOTAL HEAT GAIN			**29038**	**Btuh**



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EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 2-21-17

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
Bristol Model

Lake City, FL 32024

2/21/2017

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

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.22,	0.33	No	No	N	17.8f	1.3ft	18.0	0.0	18.0	11	11	196 Btuh
2	2 NFRC	0.22,	0.33	No	No	N	9.5ft	1.3ft	144.0	0.0	144.0	11	11	1569 Btuh
3	2 NFRC	0.22,	0.33	No	No	N	1.5ft	1.3ft	54.0	0.0	54.0	11	11	588 Btuh
4	2 NFRC	0.22,	0.33	No	No	E	1.5ft	1.3ft	36.0	0.0	36.0	11	27	989 Btuh
5	2 NFRC	0.22,	0.33	No	No	E	1.5ft	1.3ft	16.0	0.0	16.0	11	27	440 Btuh
6	2 NFRC	0.22,	0.33	No	No	E	1.5ft	1.3ft	4.0	0.0	4.0	11	27	110 Btuh
7	2 NFRC	0.22,	0.33	No	No	S	12.2f	1.3ft	13.3	13.3	0.0	11	13	145 Btuh
8	2 NFRC	0.22,	0.33	No	No	S	7.5ft	1.3ft	36.0	36.0	0.0	11	13	392 Btuh
9	2 NFRC	0.22,	0.33	No	No	S	1.5ft	1.3ft	36.0	36.0	0.0	11	13	392 Btuh
10	2 NFRC	0.22,	0.33	No	No	E	1.5ft	1.3ft	36.0	0.0	36.0	11	27	989 Btuh
	Window Total								393 (sqft)					5812 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.6	105.0	2.2	231 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.6	75.0	2.2	165 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.6	120.0	2.2	264 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.6	147.0	2.2	323 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.6	78.0	2.2	171 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.6	298.0	2.2	655 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.6	41.7	2.2	92 Btuh
8	Frame - Wood - Ext	0.09	13.0/0.6	42.0	2.2	92 Btuh
9	Frame - Wood - Ext	0.09	13.0/0.6	87.0	2.2	191 Btuh
10	Frame - Wood - Ext	0.09	13.0/0.6	9.0	2.2	20 Btuh
11	Frame - Wood - Ext	0.09	13.0/0.6	87.0	2.2	191 Btuh
12	Frame - Wood - Ext	0.09	13.0/0.6	267.0	2.2	587 Btuh
13	Frame - Wood - Adj	0.09	13.0/0.0	313.0	1.7	528 Btuh
	Wall Total			1670 (sqft)		3510 Btuh

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

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	0.032	30.0/0.0	3119.0	1.40	4371 Btuh
	Ceiling Total			3119 (sqft)		4371 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	3119 (ft-perimeter)	0.0	0 Btuh
	Floor Total		3119.0 (sqft)		0 Btuh

Envelope Subtotal:	14173 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title: Bristol Model

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024

2/21/2017

Infiltration	Type Natural	Average ACH 0.23	Volume(cuft) 24952		Wall Ratio 1	CFM= 97.7	Load 2031	Btuh
Internal gain		Occupants 6	Btuh/occupant X 230		+	Appliance 1200	Load 2580	Btuh
					Sensible Envelope Load:		18784	Btuh
Duct load	Extremely sealed, Supply(R8.0-Attic), Return(R8.0-Attic)				(DGM of 0.263)		4934	Btuh
					Sensible Load All Zones		**23718**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32024

Project Title: Bristol Model

Climate:FL_GAINESVILLE_REGIONAL_A

2/21/2017

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**18784 Btuh**
	Sensible Duct Load	4934 Btuh
	Total Sensible Zone Loads	**23718 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**23718 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	3371 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	749 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5320 Btuh**
	TOTAL GAIN	**29038 Btuh**

EQUIPMENT

1. Central Unit	#	60000 Btuh

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

Version 8

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Lake City, FL 32024

Project Title:
Bristol Model
Building Type: User

2/21/2017

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

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.22	Vinyl	0.33	N	18.0	13.2	238 Btuh
2	2, NFRC 0.22	Vinyl	0.33	N	144.0	13.2	1901 Btuh
3	2, NFRC 0.22	Vinyl	0.33	N	54.0	13.2	713 Btuh
4	2, NFRC 0.22	Vinyl	0.33	E	36.0	13.2	475 Btuh
5	2, NFRC 0.22	Vinyl	0.33	E	16.0	13.2	211 Btuh
6	2, NFRC 0.22	Vinyl	0.33	E	4.0	13.2	53 Btuh
7	2, NFRC 0.22	Vinyl	0.33	S	13.3	13.2	176 Btuh
8	2, NFRC 0.22	Vinyl	0.33	S	36.0	13.2	475 Btuh
9	2, NFRC 0.22	Vinyl	0.33	S	36.0	13.2	475 Btuh
10	2, NFRC 0.22	Vinyl	0.33	E	36.0	13.2	475 Btuh
	Window Total				393.3(sqft)		5192 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.086)	13.0/0.6	105	3.45	362 Btuh
2	Frame - Wood	- Ext	(0.086)	13.0/0.6	75	3.45	259 Btuh
3	Frame - Wood	- Ext	(0.086)	13.0/0.6	120	3.45	414 Btuh
4	Frame - Wood	- Ext	(0.086)	13.0/0.6	147	3.45	507 Btuh
5	Frame - Wood	- Ext	(0.086)	13.0/0.6	78	3.45	269 Btuh
6	Frame - Wood	- Ext	(0.086)	13.0/0.6	298	3.45	1028 Btuh
7	Frame - Wood	- Ext	(0.086)	13.0/0.6	42	3.45	144 Btuh
8	Frame - Wood	- Ext	(0.086)	13.0/0.6	42	3.45	145 Btuh
9	Frame - Wood	- Ext	(0.086)	13.0/0.6	87	3.45	300 Btuh
10	Frame - Wood	- Ext	(0.086)	13.0/0.6	9	3.45	31 Btuh
11	Frame - Wood	- Ext	(0.086)	13.0/0.6	87	3.45	300 Btuh
12	Frame - Wood	- Ext	(0.086)	13.0/0.6	267	3.45	921 Btuh
13	Frame - Wood	- Adj	(0.089)	13.0/0.0	313	3.55	1111 Btuh
	Wall Total				1670(sqft)		5790 Btuh

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

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shing	(0.032)	30.0/0.0	3119	1.3	3973 Btuh
	Ceiling Total			3119(sqft)		3973Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	235.0 ft(perim.)	47.2	11092 Btuh
	Floor Total			3119 sqft		11092 Btuh

	Envelope Subtotal:	26687 Btuh

Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural		0.31	24952	1.00	130.2	5702 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL 32024

Project Title:
Bristol Model
Building Type: User

2/21/2017

Duct load	Extremely sealed, R8.0, Supply(Att), Return(Att) (DLM of 0.149)	4823 Btuh
All Zones	**Sensible Subtotal All Zones**	**37212 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	37212 Btuh 0 Btuh 37212 Btuh

EQUIPMENT

1. Electric Heat Pump	#	60000 Btuh

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

Version 8

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

RE: 983787 - SIMQUE - LOT 112 PRESERVE

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

Site Information:
Customer Info: Aaron Simque Cosnt Project Name: 983787 Model: Bristol
Lot/Block: 112 Subdivision: The Preserve
Address:
City: Columbia Cty State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2014/TPI2007 Design Program: MiTek 20/20 7.6
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 54 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T10582203	CJ01A	3/7/17	18	T10582220	T03	3/7/17
2	T10582204	CJ01T	3/7/17	19	T10582221	T03G	3/7/17
3	T10582205	CJ02A	3/7/17	20	T10582222	T04	3/7/17
4	T10582206	CJ02T	3/7/17	21	T10582223	T04D	3/7/17
5	T10582207	CJ03A	3/7/17	22	T10582224	T04G	3/7/17
6	T10582208	CJ03T	3/7/17	23	T10582225	T05	3/7/17
7	T10582209	EJ01	3/7/17	24	T10582226	T05D	3/7/17
8	T10582210	EJ02	3/7/17	25	T10582227	T06	3/7/17
9	T10582211	HJ01A	3/7/17	26	T10582228	T07	3/7/17
10	T10582212	HJ01T	3/7/17	27	T10582229	T07G	3/7/17
11	T10582213	PB01	3/7/17	28	T10582230	T08	3/7/17
12	T10582214	PB01G	3/7/17	29	T10582231	T09	3/7/17
13	T10582215	PB04	3/7/17	30	T10582232	T10	3/7/17
14	T10582216	PB04G	3/7/17	31	T10582233	T11	3/7/17
15	T10582217	T01	3/7/17	32	T10582234	T12	3/7/17
16	T10582218	T01G	3/7/17	33	T10582235	T12D	3/7/17
17	T10582219	T02	3/7/17	34	T10582236	T14	3/7/17

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Lee, Julius
My license renewal date for the state of Florida is February 28, 2019.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek. Any project specific information included is for MiTek's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: March 7,2017

RE: 983787 - SIMQUE - LOT 112 PRESERVE

Site Information:

Customer Info: Aaron Simque Cosnt Project Name: 983787 Model: Bristol
Lot/Block: 112 Subdivision: The Preserve
Address:
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
35	T10582237	T15	3/7/17
36	T10582238	T16	3/7/17
37	T10582239	T17	3/7/17
38	T10582240	T18	3/7/17
39	T10582241	T18G	3/7/17
40	T10582242	T19	3/7/17
41	T10582243	T20	3/7/17
42	T10582244	T21	3/7/17
43	T10582245	T22	3/7/17
44	T10582246	T23	3/7/17
45	T10582247	T24	3/7/17
46	T10582248	T25	3/7/17
47	T10582249	TG01	3/7/17
48	T10582250	TG02	3/7/17
49	T10582251	TG03	3/7/17
50	T10582252	TG04	3/7/17
51	T10582253	TG05	3/7/17
52	T10582254	TG06	3/7/17
53	T10582255	TG07	3/7/17
54	T10582256	TG08	3/7/17

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	CJ01A	Jack-Open	2	1	Job Reference (optional)	T10582203

Builders FirstSource, Lake City, FL 32055

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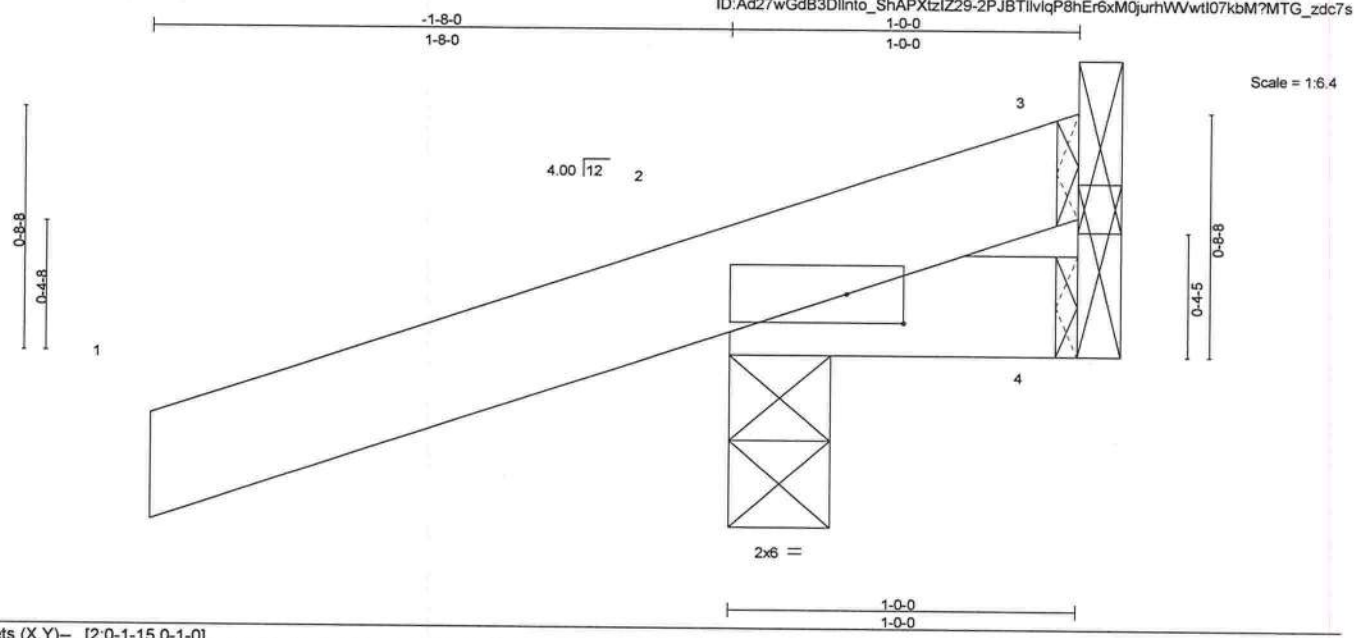

Plate Offsets (X,Y)-- [2:0-1-15,0-1-0]

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	0.19	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 6 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=-9/Mechanical, 2=192/0-3-8, 4=-20/Mechanical
Max Horz 2=52(LC 8)
Max Uplift 3=-9(LC 1), 2=-189(LC 8), 4=-20(LC 1)
Max Grav 3=14(LC 8), 2=192(LC 1), 4=25(LC 8)

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

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=189.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582204
983787	CJ01T	JACK-OPEN TRUSS	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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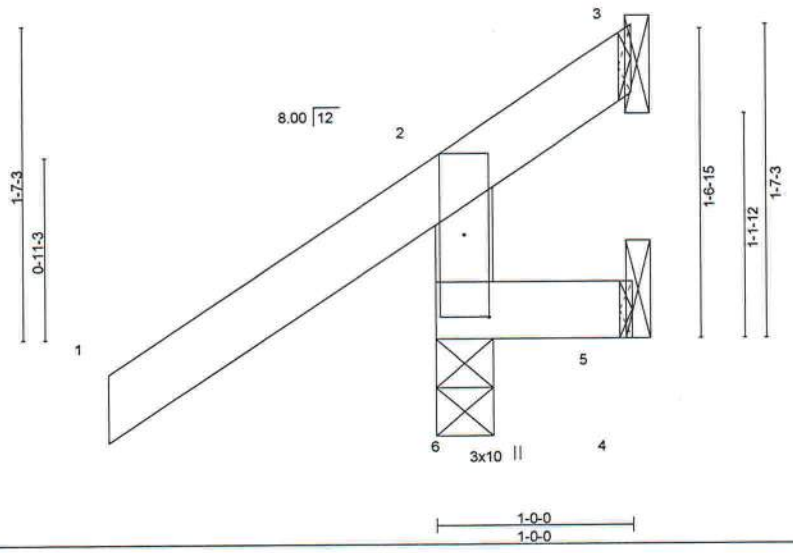

Plate Offsets (X,Y)-- [6:0-5-1,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 7 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 6=236/0-3-8, 3=-56/Mechanical, 5=-18/Mechanical
Max Horz 6=66(LC 12)
Max Uplift 6=-106(LC 12), 3=-56(LC 1), 5=-18(LC 1)
Max Grav 6=236(LC 1), 3=29(LC 16), 5=14(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5 except (jt=lb) 6=106.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582205
983787	CJ02A	Jack-Open	2	1	Job Reference (optional)	

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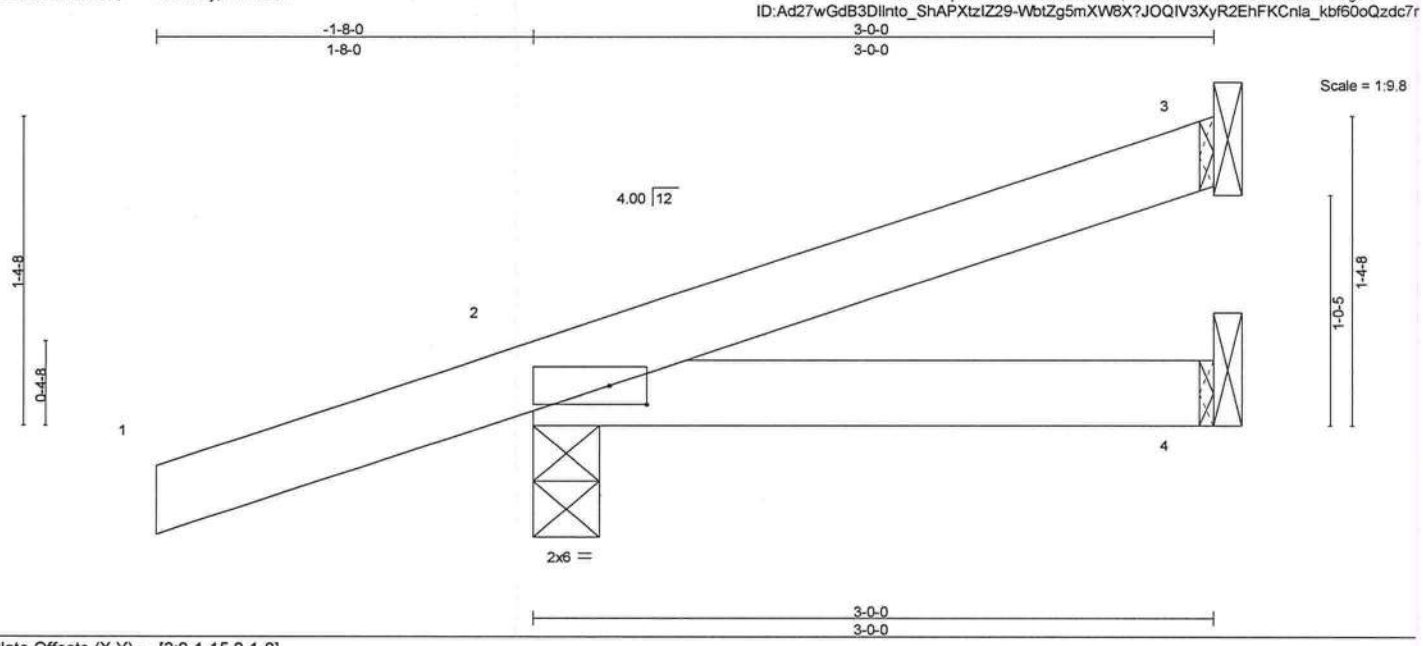

Plate Offsets (X,Y)-- [2:0-1-15,0-1-0]

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	0.19	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 12 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=56/Mechanical, 2=225/0-3-8, 4=26/Mechanical
Max Horz 2=84(LC 8)
Max Uplift 3=-46(LC 8), 2=-196(LC 8), 4=-23(LC 9)
Max Grav 3=56(LC 1), 2=225(LC 1), 4=45(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=196.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582206
983787	CJ02T	JACK-OPEN TRUSS	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Mon Mar 06 16:07:20 2017 Page 1

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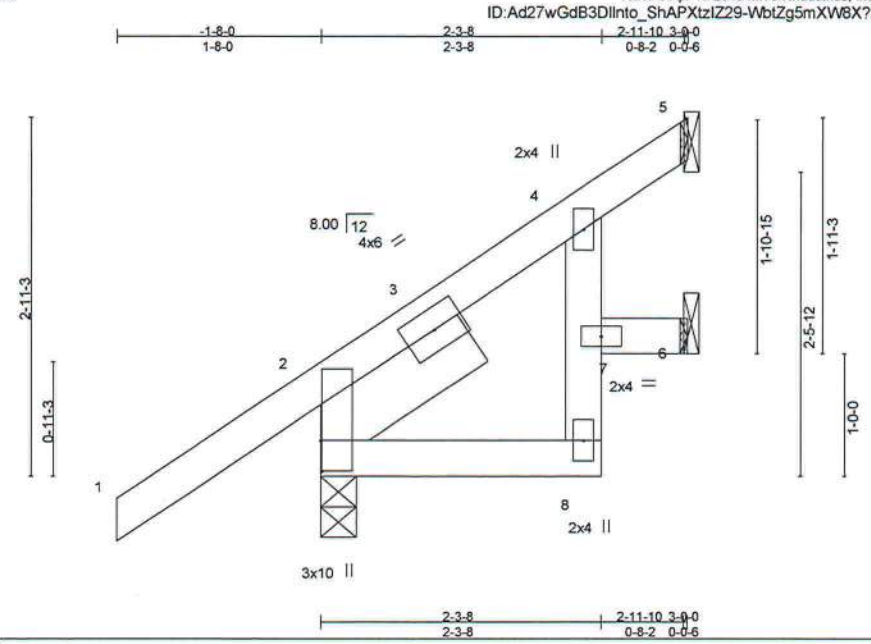

Plate Offsets (X,Y)-- [2:0-3-0,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	0.00	11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(TL)	-0.00	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 19 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-8: 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-

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

REACTIONS. (lb/size) 5=41/Mechanical, 2=224/0-3-8, 6=42/Mechanical
Max Horz 2=142(LC 12)
Max Uplift 5=-40(LC 12), 2=-69(LC 12), 6=-47(LC 12)
Max Grav 5=48(LC 19), 2=224(LC 1), 6=55(LC 19)

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

NOTES- (7)

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582207
983787	CJ03A	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055 — 7.640 s Apr 19 2016 MiTek Industries, Inc. Mon Mar 06 16:07:21 2017 Page 1

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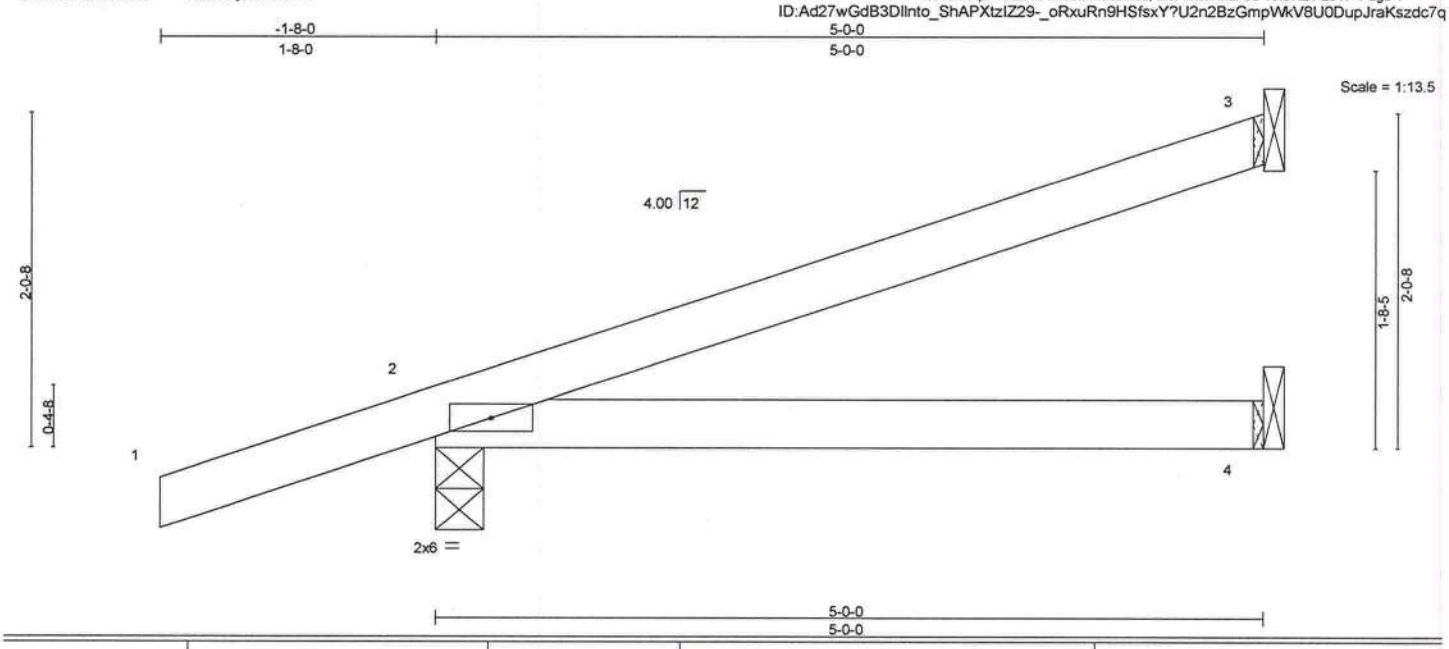

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.06	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(TL)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 18 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=103/Mechanical, 2=304/0-3-8, 4=48/Mechanical
Max Horz 2=116(LC 8)
Max Uplift 3=-87(LC 8), 2=-250(LC 8), 4=-41(LC 8)
Max Grav 3=103(LC 1), 2=304(LC 1), 4=78(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=250.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582208
983787	CJ03T	JACK-OPEN TRUSS	4	1	Job Reference (optional)	

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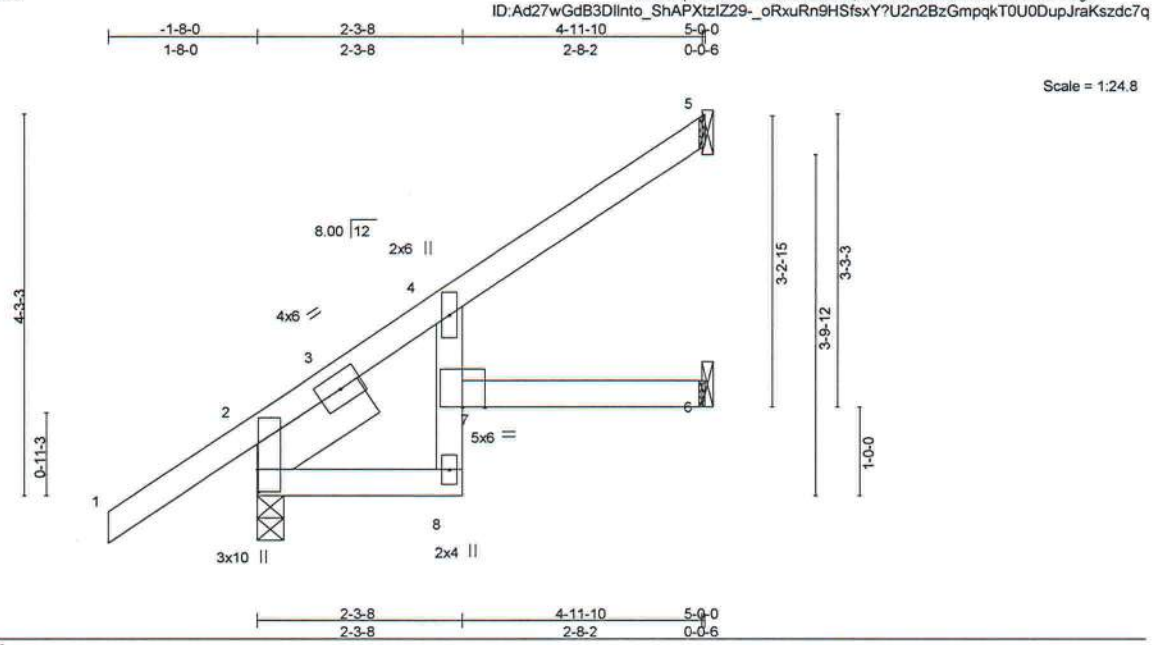

Plate Offsets (X,Y)-- [2:0-3-0,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(TL)	-0.07	6-7	>808	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-8: 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 5=98/Mechanical, 2=288/0-3-8, 6=70/Mechanical
Max Horz 2=206(LC 12)
Max Uplift 5=-106(LC 12), 2=-76(LC 12), 6=-43(LC 12)
Max Grav 5=116(LC 19), 2=288(LC 1), 6=84(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 5=106.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	EJ01	Jack-Partial	5	1	Job Reference (optional)	T10582209

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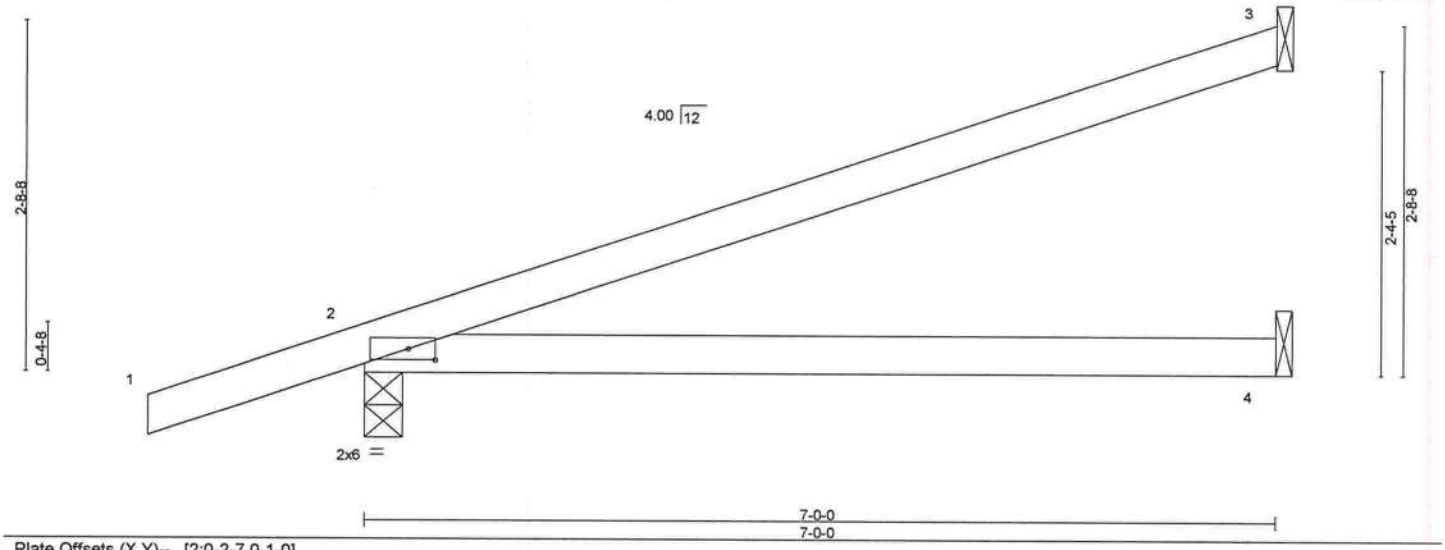

7-0-0 / 7-0-0

Plate Offsets (X,Y)-- [2:0-2-7,0-1-0]

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	0.60	Vert(LL)	0.21	4-7	>399	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(TL)	-0.18	4-7	>455	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (lb/size) 3=146/Mechanical, 2=391/0-3-8, 4=66/Mechanical
Max Horz 2=106(LC 8)
Max Uplift 3=-81(LC 8), 2=-232(LC 8), 4=-52(LC 8)
Max Grav 3=146(LC 1), 2=391(LC 1), 4=110(LC 3)

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

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=232.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582210
983787	EJ02	JACK-PARTIAL TRUSS	2	1	Job Reference (optional)	

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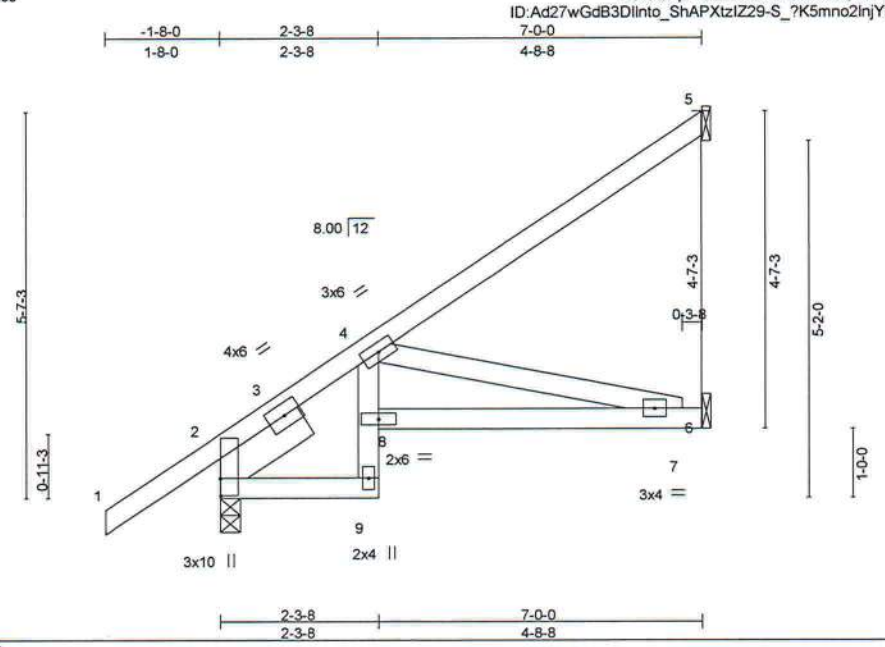

Plate Offsets (X,Y)-- [2:0-3-0,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(TL)	-0.10	7-8	>808	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 39 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-9: 2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 1-6-0

BRACING-

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

REACTIONS. (lb/size) 5=116/Mechanical, 2=357/0-3-8, 6=130/Mechanical
Max Horz 2=186(LC 12)
Max Uplift 5=-84(LC 12), 2=-36(LC 12), 6=-46(LC 12)
Max Grav 5=130(LC 19), 2=357(LC 1), 6=150(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-9=-235/330, 7-8=-460/646
WEBS 4-7=-663/472

NOTES- (7)

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	HJ01A	Diagonal Hip Girder	1	1	Job Reference (optional)	T10582211

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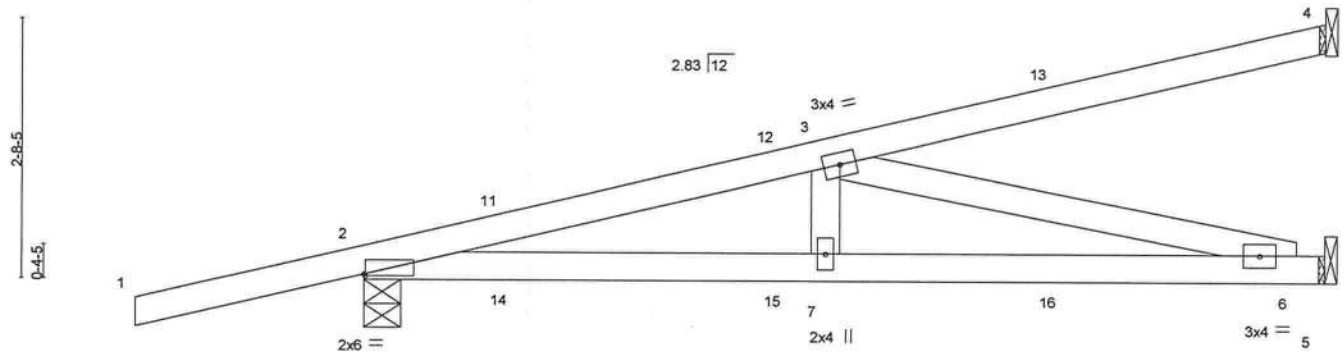

4-9-0 / 4-9-0 | 9-10-13 / 5-1-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.11	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(TL)	-0.14	6-7	>828	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 42 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.

REACTIONS. (lb/size) 4=139/Mechanical, 2=487/0-4-9, 5=270/Mechanical
Max Horz 2=149(LC 4)
Max Uplift 4=-121(LC 4), 2=-316(LC 4), 5=-216(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-937/629, 11-12=-896/644, 3-12=-895/638
BOT CHORD 2-14=-695/892, 14-15=-695/892, 7-15=-695/892, 7-16=-695/892, 6-16=-695/892
WEBS 3-6=-918/715

NOTES- (9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch 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) except (jt=lb) 4=121, 2=316, 5=216.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 89 lb down and 66 lb up at 1-5-12, 89 lb down and 66 lb up at 1-5-12, 25 lb down and 40 lb up at 4-3-11, 25 lb down and 40 lb up at 4-3-11, and 43 lb down and 86 lb up at 7-1-10, and 43 lb down and 86 lb up at 7-1-10 on top chord, and 54 lb down and 48 lb up at 1-5-12, 54 lb down and 48 lb up at 1-5-12, 17 lb down and 32 lb up at 4-3-11, 17 lb down and 32 lb up at 4-3-11, and 34 lb down and 56 lb up at 7-1-10, and 34 lb down and 56 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 13=-53(F=-27, B=-27) 14=58(F=29, B=29) 15=-6(F=-3, B=-3) 16=-40(F=-20, B=-20)

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582212
983787	HJ01T	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)	

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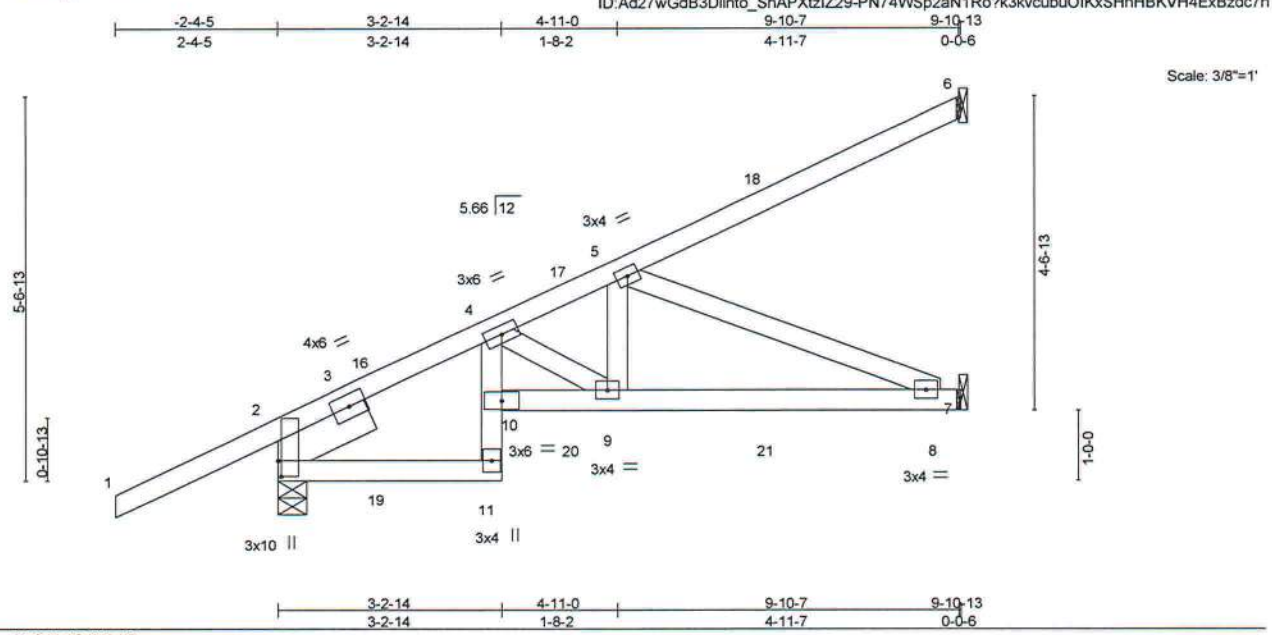

Plate Offsets (X,Y)-- [2:0-2-12,0-0-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	0.09	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(TL)	-0.12	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.43	Horz(TL)	-0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 54 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 6=122/Mechanical, 2=500/0-4-15, 7=321/Mechanical
Max Horz 2=272(LC 8)
Max Uplift 6=-133(LC 8), 2=-385(LC 8), 7=-301(LC 8)
Max Grav 6=122(LC 1), 2=549(LC 32), 7=373(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-160/259, 3-16=-644/348, 4-16=-574/333, 4-17=-891/611, 5-17=-815/613
BOT CHORD 2-19=-447/419, 11-19=-447/419, 10-20=-752/733, 9-20=-752/733, 9-21=-738/789, 8-21=-738/789
WEBS 5-9=-249/308, 5-8=-852/797

NOTES- (9)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) except (jt=lb) 6=133, 2=385, 7=301.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 92 lb down and 133 lb up at 1-5-12, 92 lb down and 133 lb up at 1-5-12, 92 lb down and 37 lb up at 4-3-11, 92 lb down and 37 lb up at 4-3-11, and 138 lb down and 113 lb up at 7-1-10, and 138 lb down and 113 lb up at 7-1-10 on top chord, and 15 lb down and 49 lb up at 1-5-12, 15 lb down and 49 lb up at 1-5-12, 50 lb down and 57 lb up at 4-3-11, 50 lb down and 57 lb up at 4-3-11, and 64 lb down and 59 lb up at 7-1-10, and 64 lb down and 59 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 11-12=-20, 7-10=-20

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 16=68(F=34, B=34) 18=-43(F=-22, B=-22) 20=-30(F=-15, B=-15) 21=-82(F=-41, B=-41)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582213
983787	PB01	GABLE	16	1	Job Reference (optional)	

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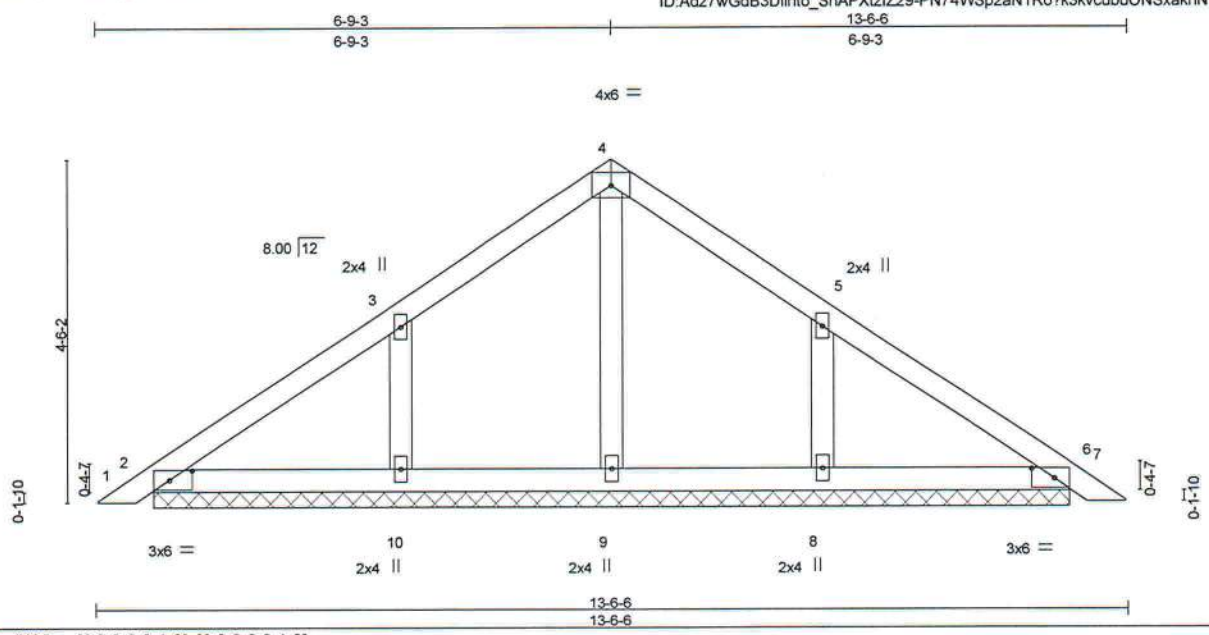

Plate Offsets (X,Y)-- [2:0-3-9,0-1-8], [6:0-3-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(TL)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 53 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 12-0-2.
(lb) - Max Horz 2=108(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 8=-127(LC 13), 10=-127(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 8=290(LC 20), 10=291(LC 19)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 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, 6 except (jt=lb) 8=127, 10=127.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	PB01G	GABLE	2	1	Job Reference (optional)	T10582214

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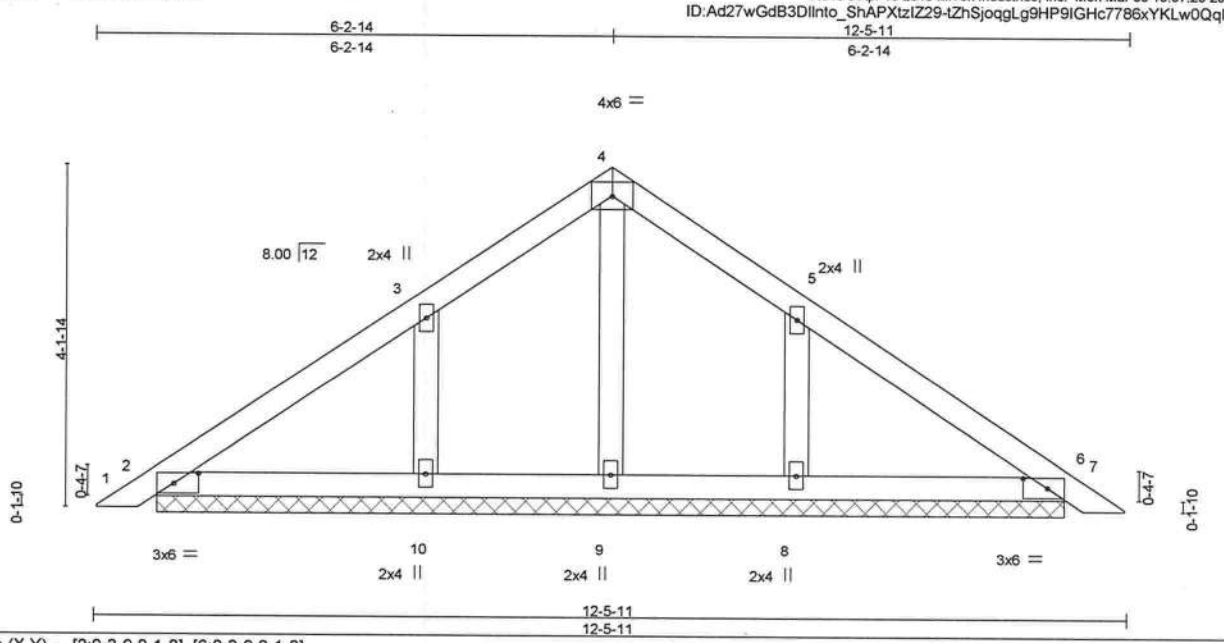

Plate Offsets (X,Y)– [2:0-3-9,0-1-8], [6:0-3-9,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(TL)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 10-11-7.
(lb) - Max Horz 2=-99(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 8=-119(LC 13), 10=-119(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 8=276(LC 20), 10=277(LC 19)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 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, 6 except (jt=lb) 8=119, 10=119.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582215
983787	PB04	GABLE	6	1	Job Reference (optional)	

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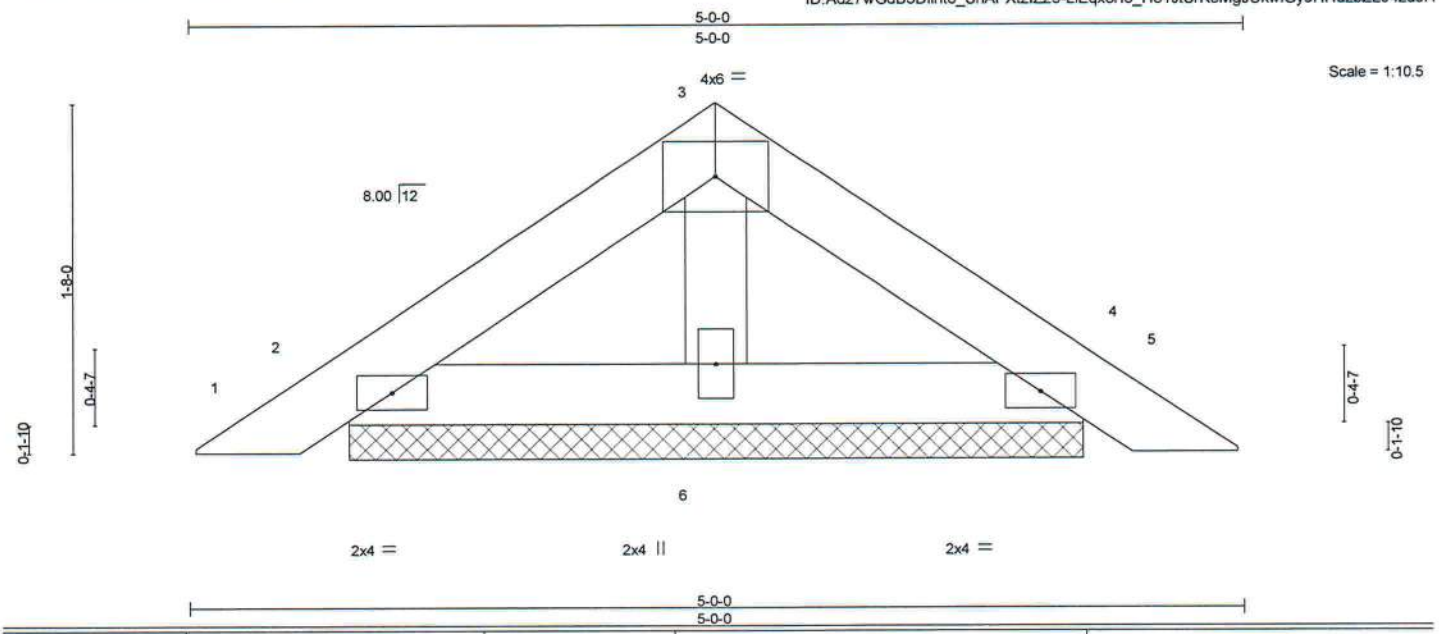

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2014/TPI2007	(Matrix)							Weight: 15 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 2=98/3-5-12, 4=98/3-5-12, 6=114/3-5-12
Max Horz 2=-37(LC 10)
Max Uplift 2=-32(LC 12), 4=-35(LC 13), 6=-7(LC 12)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) 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, 4, 6.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582216
983787	PB04G	PIGGYBACK TRUSS	1	1	Job Reference (optional)	

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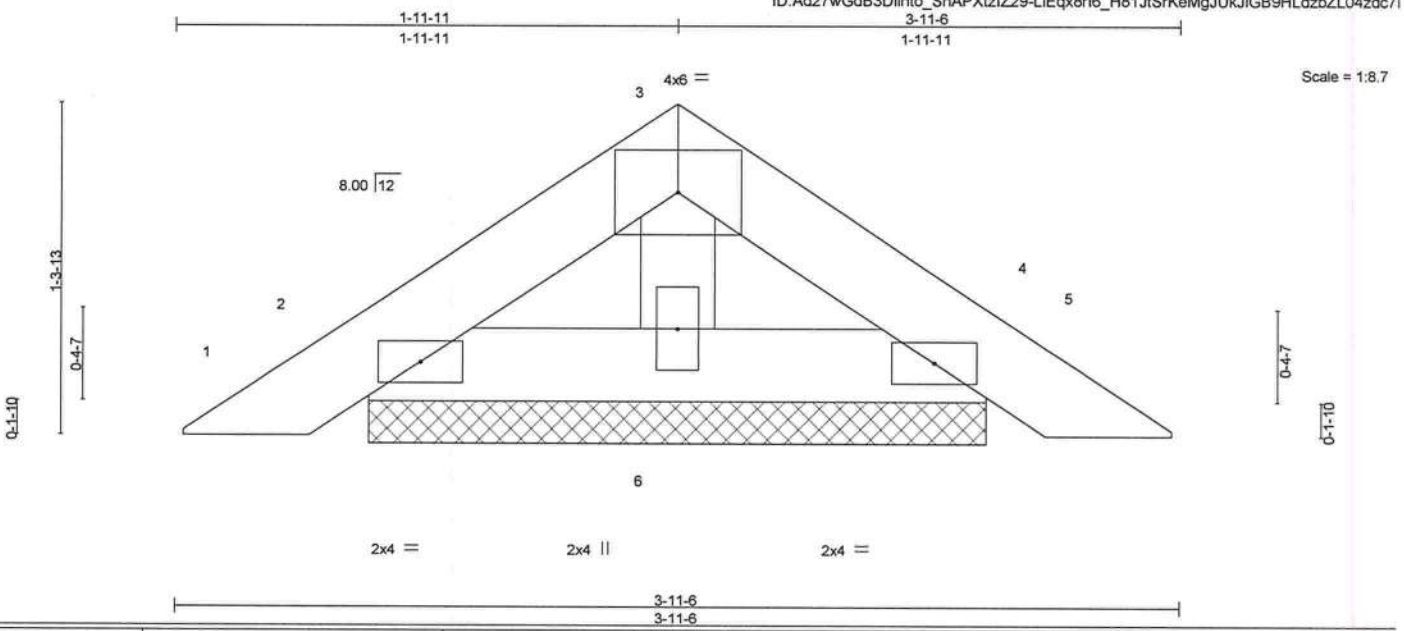

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(TL)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=78/2-5-2, 4=78/2-5-2, 6=76/2-5-2
Max Horz 2=28(LC 11)
Max Uplift 2=-26(LC 12), 4=-29(LC 13), 6=-3(LC 12)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582217
983787	T01	Common Truss	1	1	Job Reference (optional)	

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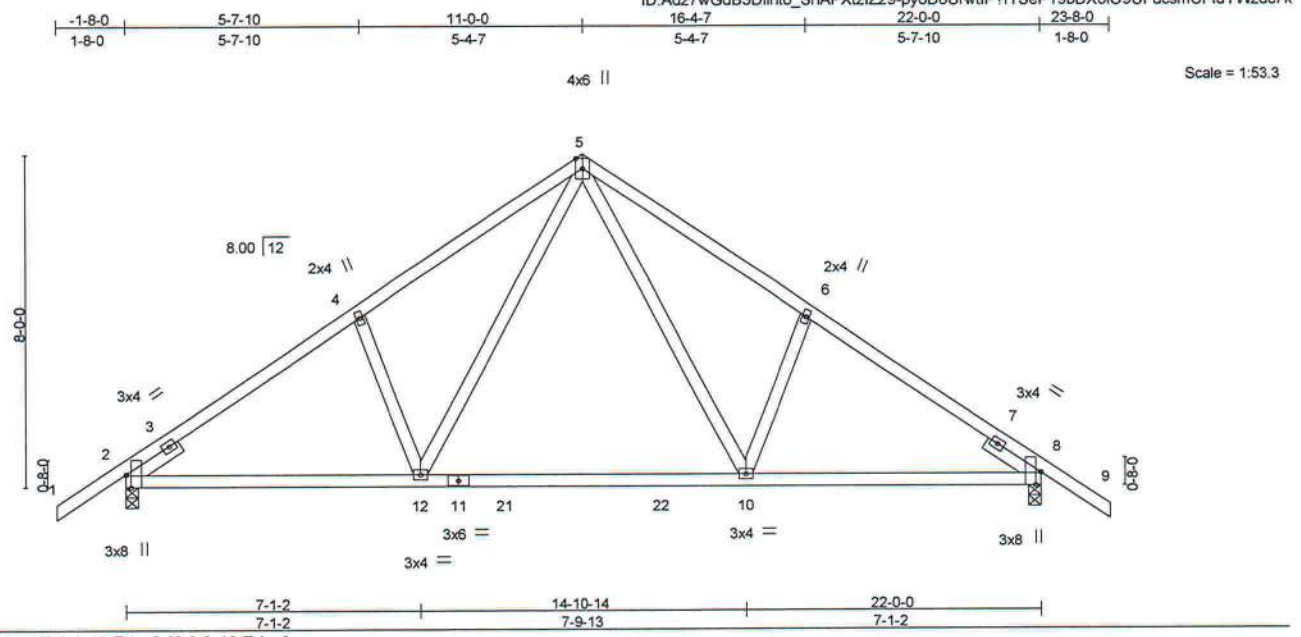

Plate Offsets (X,Y)-- [2:0-3-13,Edge], [8:0-3-13,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.25	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(TL)	-0.56	10-12	>469	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 120 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1138/0-3-8, 8=1138/0-3-8
Max Horz 2=263(LC 11)
Max Uplift 2=-456(LC 12), 8=-456(LC 13)
Max Grav 2=1142(LC 19), 8=1142(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-509/31, 3-4=-1531/662, 4-5=-1513/747, 5-6=-1513/747, 6-7=-1531/662, 7-8=-509/31
BOT CHORD 2-12=-506/1377, 11-12=-226/920, 11-21=-226/920, 21-22=-226/920, 10-22=-226/920, 8-10=-401/1222
WEBS 5-10=-396/814, 6-10=-300/289, 5-12=-396/813, 4-12=-300/289

NOTES- (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) except (jt=lb) 2=456, 8=456.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T01G	GABLE	1	1	Job Reference (optional)	T10582218

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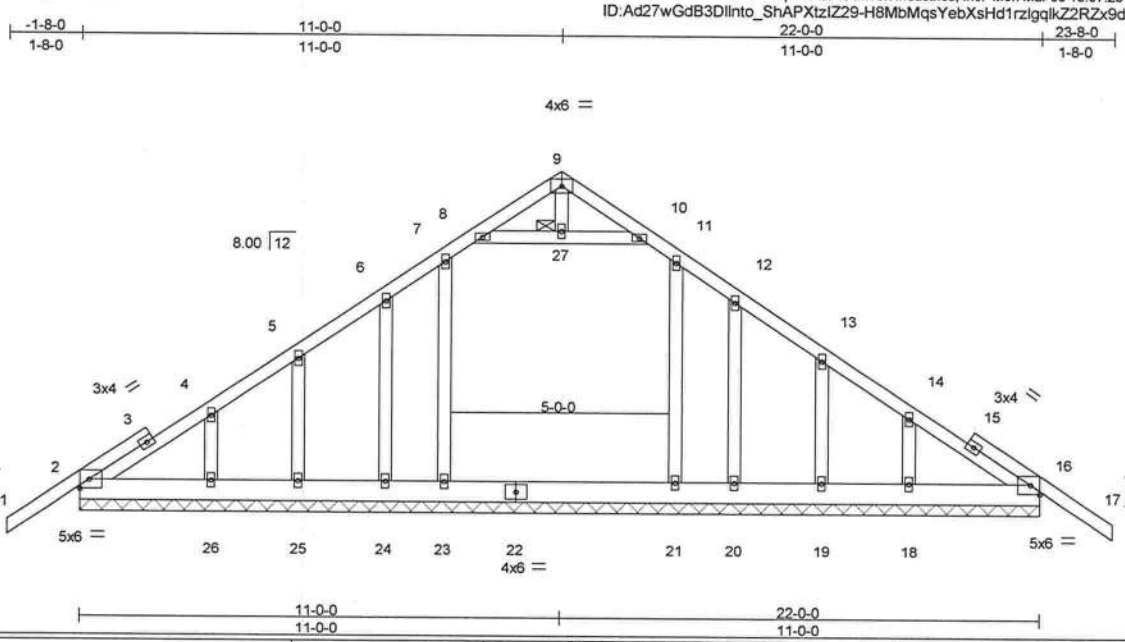

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(TL)	-0.01	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 151 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 27

REACTIONS. All bearings 22-0-0.

(lb) - Max Horz 2=252(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 23, 21 except 24=-101(LC 12), 25=-111(LC 12), 26=-123(LC 12), 20=-107(LC 13), 19=-111(LC 13), 18=-125(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 24, 25, 26, 20, 19, 18 except 2=268(LC 1), 16=268(LC 1), 23=405(LC 19), 21=375(LC 20)

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

NOTES- (11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 23, 21 except (jt=lb) 24=101, 25=111, 26=123, 20=107, 19=111, 18=125.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582219
983787	T02	COMMON TRUSS	6	1	Job Reference (optional)	

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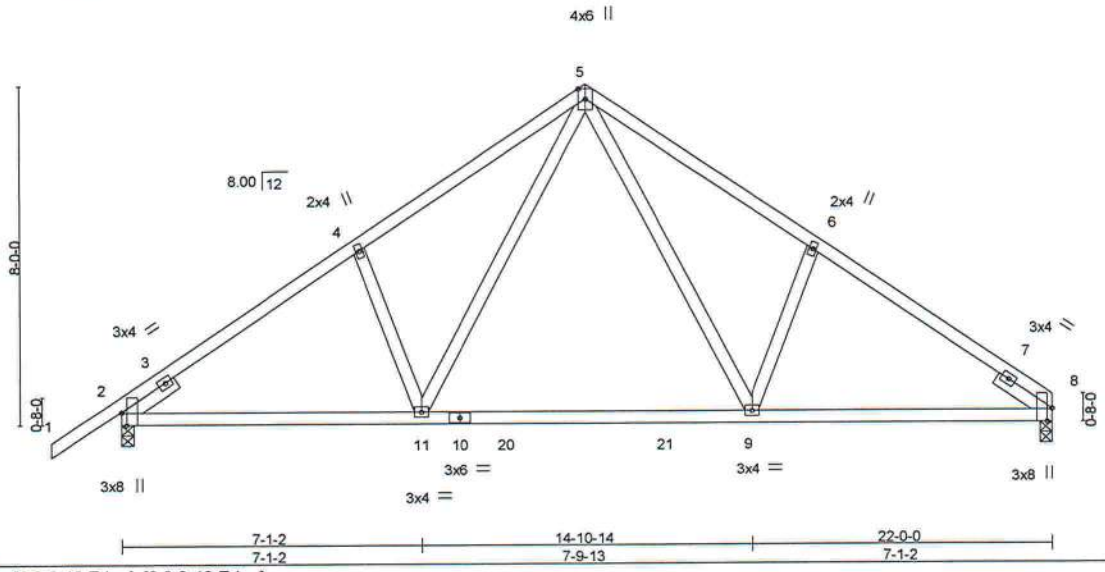

7-1-2	14-10-14	22-0-0
7-1-2	7-9-13	7-1-2

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	-0.25	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(TL)	-0.56	9-11	>474	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 117 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP M 31
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-

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

REACTIONS. (lb/size) 8=1045/0-3-8, 2=1142/0-3-8
Max Horz 2=251(LC 9)
Max Uplift 8=-398(LC 13), 2=-457(LC 12)
Max Grav 8=1052(LC 20), 2=1144(LC 19)

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

TOP CHORD	2-3=-513/34, 3-4=-1533/669, 4-5=-1518/754, 5-6=-1513/762, 6-7=-1545/675, 7-8=-504/104
BOT CHORD	2-11=-530/1361, 10-11=-250/905, 10-20=-250/905, 20-21=-250/905, 9-21=-250/905, 8-9=-458/1212
WEBS	5-9=-409/831, 6-9=-297/295, 5-11=-395/812, 4-11=-301/289

NOTES- (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) except (jt=lb) 8=398, 2=457.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582220
983787	T03	PIGGYBACK BASE TRUSS	6	1	Job Reference (optional)	

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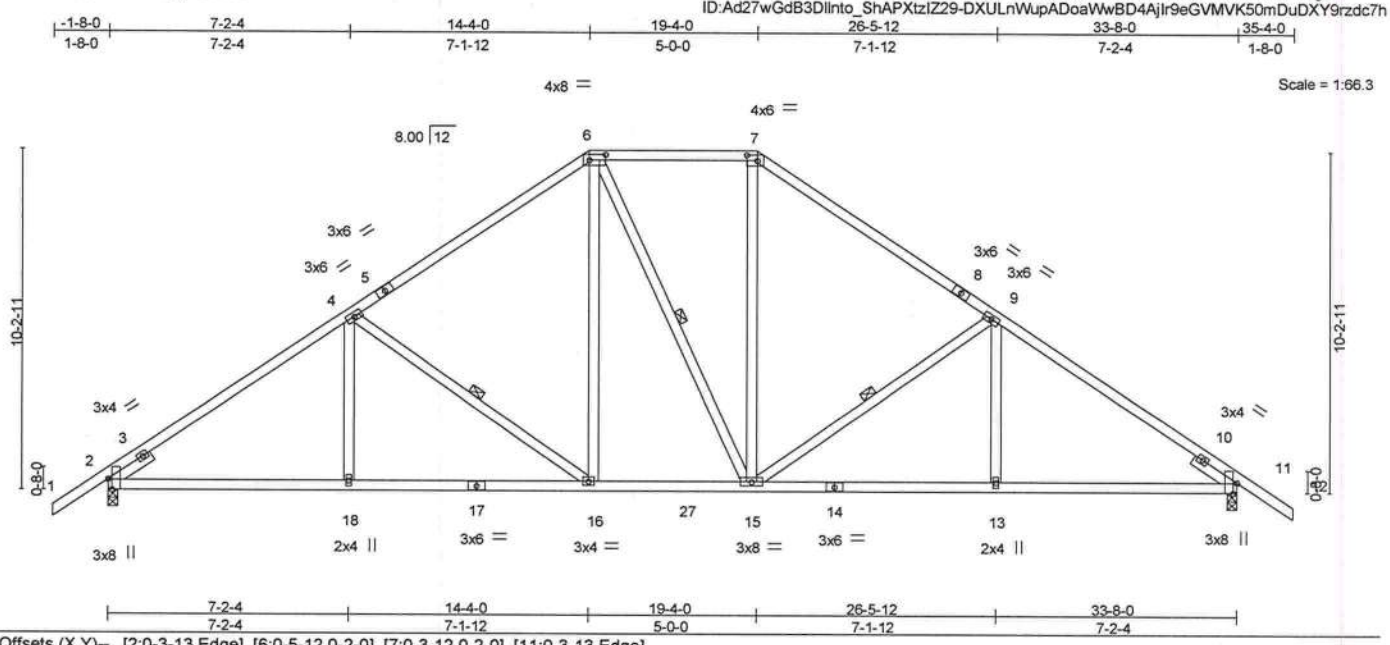

Plate Offsets (X,Y)-- [2:0-3-13,Edge], [6:0-5-12,0-2-0], [7:0-3-12,0-2-0], [11:0-3-13,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.10	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(TL)	-0.29	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.10	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 204 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-8-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-10-6 oc bracing.
WEBS	1 Row at midpt 4-16, 6-15, 9-15

REACTIONS. (lb/size) 2=1336/0-3-8, 11=1336/0-3-8
Max Horz 2=-333(LC 10)
Max Uplift 2=-486(LC 12), 11=-486(LC 13)

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

TOP CHORD	2-3=-682/54, 3-4=-1782/788, 4-5=-1365/686, 5-6=-1253/716, 6-7=-1128/682, 7-8=-1254/716, 8-9=-1366/686, 9-10=-1782/788, 10-11=-682/54
BOT CHORD	2-18=-545/1473, 17-18=-545/1473, 16-17=-545/1473, 16-27=-221/1043, 15-27=-221/1043, 14-15=-488/1409, 13-14=-488/1409, 11-13=-488/1409
WEBS	4-18=0/282, 4-16=-608/399, 6-16=-191/489, 7-15=-169/464, 9-15=-607/400, 9-13=0/281

NOTES- (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=486, 11=486.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582221
983787	T03G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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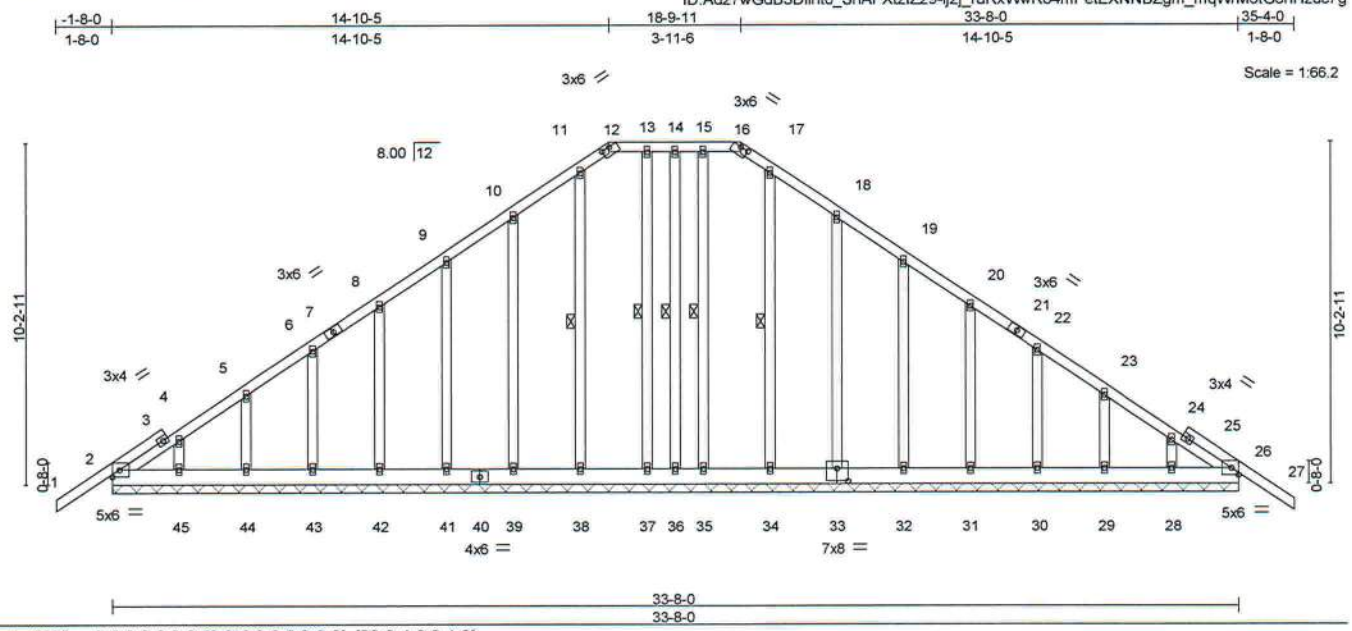

Plate Offsets (X,Y)-- [12:0-3-0,0-0-2], [16:0-3-0,0-0-2], [33:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	27	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(TL)	-0.01	27	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	26	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 294 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 14-36, 17-34, 15-35, 11-38, 13-37

REACTIONS. All bearings 33-8-0.

(lb) - Max Horz 2=-333(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 36, 28, 34, 35, 45, 38, 26, 37 except 29=-119(LC 13), 30=-110(LC 13), 31=-113(LC 13), 32=-109(LC 13), 33=-132(LC 13), 44=-119(LC 12), 43=-110(LC 12), 42=-113(LC 12), 41=-109(LC 12), 39=-128(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 36, 28, 29, 30, 31, 32, 33, 34, 35, 45, 44, 43, 42, 41, 39, 38, 26, 37

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

TOP CHORD 2-3=-335/217, 3-4=-327/230, 4-5=-277/213, 24-25=-271/221, 25-26=-278/210

BOT CHORD 2-45=-211/305, 44-45=-211/305, 43-44=-211/305, 42-43=-211/305, 41-42=-211/305, 40-41=-211/305, 39-40=-211/305, 38-39=-211/305, 37-38=-211/305, 36-37=-211/305, 35-36=-211/305, 34-35=-211/305, 33-34=-211/305, 32-33=-211/305, 31-32=-211/305, 30-31=-211/305, 29-30=-211/305, 28-29=-211/305, 26-28=-211/305

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 36, 28, 34, 35, 45, 38, 26, 37 except (jt=lb) 29=119, 30=110, 31=113, 32=109, 33=132, 44=119, 43=110, 42=113, 41=109, 39=128.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582222
983787	T04	ATTIC TRUSS	3	1	Job Reference (optional)	

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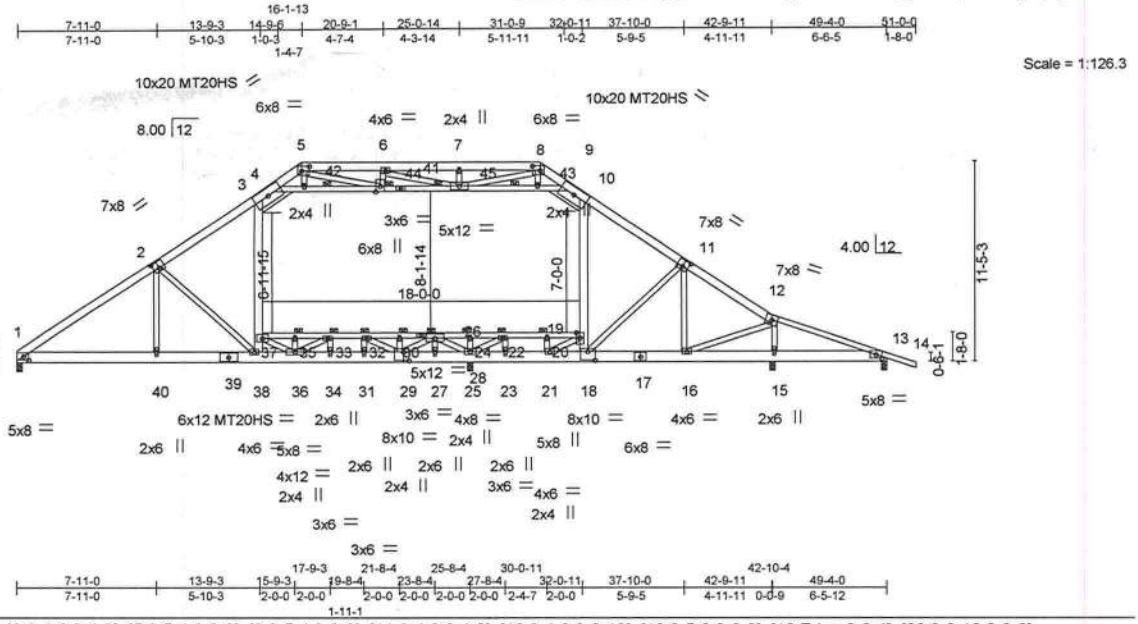

Plate Offsets (X,Y)-- [1:0-3-10,0-2-8], [2:0-4-0,0-4-8], [5:0-5-4,0-3-0], [8:0-5-4,0-3-0], [11:0-4-0,0-4-8], [13:0-4-0,0-2-10], [18:0-5-0,0-6-0], [19:Edge,0-2-4], [29:0-3-12,0-6-0], [44:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.95	Vert(LL)	-0.39	37	>795	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.93	Vert(TL)	-0.75	38-40	>412	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(TL)	0.07	13	n/a	n/a		
BCDL	10.0	Code	FBC2014/TPI2007	(Matrix-M)		Attic	-0.28	19-37	795	360	Weight: 485 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
12-14: 2x4 SP No.2, 3-4,9-10: 2x8 SP 2400F 2.0E
BOT CHORD 2x8 SP 2400F 2.0E *Except*
28-37,19-28: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
3-38,10-18: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
2-2-0 oc bracing: 24-26, 22-24
3-10-0 oc bracing: 35-37
3-11-0 oc bracing: 30-33
4-0-0 oc bracing: 33-35
6-0-0 oc bracing: 26-30
10-0-0 oc bracing: 20-22, 19-20
WEBS 1 Row at midpt 4-44, 9-45
JOINTS 1 Brace at Jt(s): 24, 22, 35, 33, 44, 45, 30, 26, 20

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 1=-364(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-365(LC 12), 15=-640(LC 8), 13=-522(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=1990(LC 20), 15=1477(LC 25), 25=2725(LC 18), 13=1038(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3210/710, 2-3=-2680/644, 3-4=-1961/681, 4-5=-925/465, 5-6=-1590/896, 6-7=-1517/959, 7-8=-1517/959, 8-9=-761/517, 9-10=-2009/681, 10-11=-2468/639, 11-12=-2496/501, 12-13=-2669/742
BOT CHORD 1-40=-482/2798, 39-40=-482/2795, 38-39=-482/2795, 36-38=-267/2503, 34-36=-167/3842, 31-34=-167/3842, 29-31=-167/3842, 27-29=-291/1116, 25-27=-291/1116, 23-25=-101/551, 21-23=-101/551, 18-21=-165/1716, 17-18=-225/2105, 16-17=-225/2105, 15-16=-583/2551, 13-15=-594/2523, 35-37=-1968/124, 33-35=-1968/124, 32-33=-2041/0, 30-32=-793/265, 28-30=-721/282, 26-28=-721/282, 24-26=-283/2422, 22-24=-283/2422, 20-22=-211/1724, 19-20=-211/1724
WEBS 2-40=-83/429, 2-38=-904/466, 3-37=-40/1087, 18-19=-207/1361, 10-19=-105/793, 12-16=-595/772, 12-15=-1240/655, 4-42=-1560/348, 42-44=-1548/347, 41-44=-1339/259, 41-45=-1339/259, 43-45=-2172/406, 9-43=-2190/406, 24-25=-438/4, 22-23=-107/260, 19-21=-1511/163, 35-36=-415/0, 36-37=-52/1860, 33-34=-394/111, 11-16=-325/245, 5-44=-625/965, 8-45=-601/1121, 6-45=-264/55, 25-26=-1729/0, 22-25=-1163/292, 33-36=-293/467, 26-27=-528/51, 29-30=-392/0, 26-29=-1/1933, 31-32=-62/370, 29-32=-1446/69, 20-21=-454/48

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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NOTES- (12)

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) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-42, 42-44, 44-45, 43-45, 9-43; Wall dead load (5.0psf) on member(s).3-37, 10-19
8) Bottom chord live load (75.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 35-37, 33-35, 32-33, 30-32, 26-30, 24-26, 22-24, 20-22, 19-20
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 1, 640 lb uplift at joint 15 and 522 lb uplift at joint 13.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Attic room checked for L/360 deflection.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T105822
983787	T04D	ATTIC TRUSS	1	3	Job Reference (optional)	

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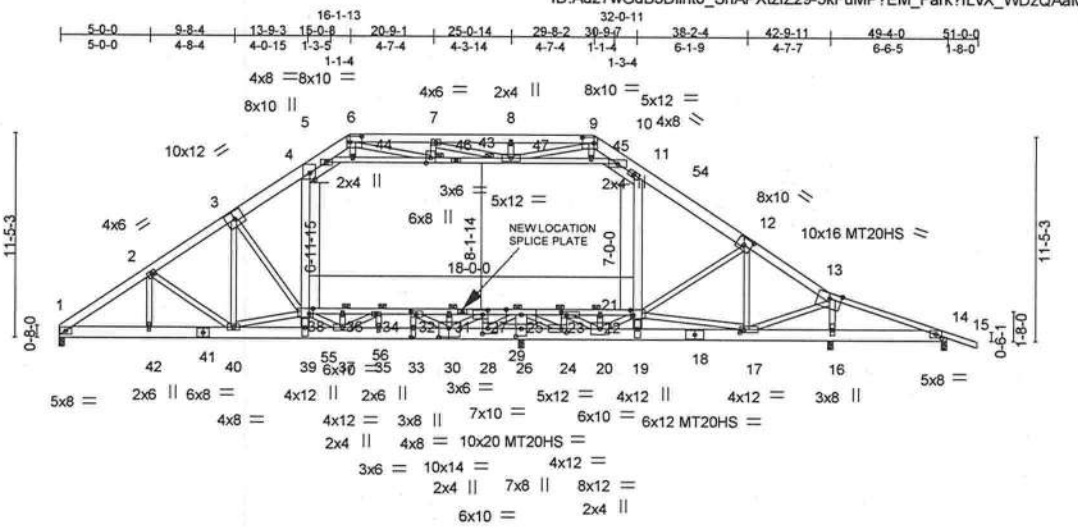

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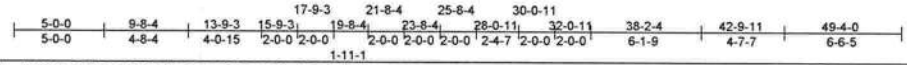

Plate Offsets (X,Y)-- [4:0-4-4,Edge], [6:0-7-12,0-4-0], [9:0-7-12,0-4-0], [12:0-5-0,0-4-8], [14:0-4-0,0-2-10], [17:0-2-8,0-2-0], [21:0-2-0,Edge], [23:0-3-8,0-2-0], [24:0-3-8,0-2-8], [26:0-5-4,0-3-8], [27:0-3-8,0-3-0], [28:0-3-8,0-3-8], [30:0-6-12,0-6-0], [32:0-3-8,0-2-0], [33:0-6-4,0-1-8], [38:0-2-8,Edge], [46:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.36	37-39	>847	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.97	Vert(TL)	-0.53	37-39	>583	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.06	14	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	0.20	21-38	1088	360	Weight: 1570 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
3-6,9-12: 2x8 SP 2400F 2.0E, 13-15: 2x4 SP No.2

BOT CHORD 2x8 SP 2400F 2.0E *Except*
29-38,21-29: 2x4 SP M 31

WEBS 2x4 SP No.3 *Except*
4-39,11-19: 2x6 SP No.2, 13-17,10-43: 2x4 SP No.2
25-26: 2x8 SP 2400F 2.0E
20-21,37-38,25-28,27-30,34-37,30-32,20-23,24-25: 2x4 SP M 31

BRACING-

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 28-30,26-28,24-26,20-24.

JOINTS 1 Brace at Jt(s): 25, 23, 22, 36, 34, 31, 46, 47

REACTIONS. All bearings 0-3-8 except (jt=length) 16=0-5-12 (input: 0-3-8), 26=0-9-6 (input: 0-3-8).

(lb) - Max Horz 1=-284(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-1508(LC 5), 16=-3282(LC 4), 14=-262(LC 5), 26=-4493(LC 4)
Max Grav All reactions 250 lb or less at joint(s) except 1=8162(LC 16), 16=14646(LC 17), 14=524(LC 2), 26=23881(LC 17)

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

TOP CHORD 1-2=-13503/2521, 2-3=-13943/2662, 3-4=-12197/2371, 4-5=-7950/1618, 5-6=-1681/416, 6-7=-1487/407, 7-8=-787/1242, 8-9=-787/1242, 9-10=-243/1112, 10-11=-8376/1709, 11-54=-9596/1904, 12-54=-12577/2530, 12-13=-14022/2880, 13-14=-1567/345

BOT CHORD 1-42=-2197/11302, 41-42=-2197/11302, 40-41=-2197/11302, 39-40=-3435/17663, 39-55=-3367/17381, 37-55=-3367/17381, 35-37=-3475/18681, 33-35=-3475/18681, 30-33=-3475/18681, 28-30=-6135/1469, 26-28=-20231/3903, 24-26=-20231/3903, 20-24=-7001/1331, 19-20=-2360/9283, 18-19=-2431/9876, 17-18=-2431/9876, 16-17=-419/2309, 14-16=-248/1472, 38-56=-11935/2257, 36-56=-11935/2257, 34-36=-11935/2257, 32-34=-9114/1638, 31-32=-630/2148, 29-31=-627/2124, 27-29=-627/2124, 25-27=-2990/15527, 23-25=-3167/16638, 22-23=-1286/6661, 21-22=-1286/6661

WEBS 3-40=-418/2237, 3-38=-3721/745, 38-39=-860/3487, 4-38=-1502/7767, 19-21=-730/3456, 11-21=-386/1912, 12-21=-2548/742, 13-17=-2293/10439, 13-16=-12962/2824, 5-44=-8006/1566, 44-46=-7911/1550, 43-46=-8786/1521, 43-47=-8786/1521, 45-47=-11867/2330, 10-45=-12024/2358, 25-26=-17814/3296, 23-24=-7565/1517, 20-22=-1756/276, 20-21=-7148/1622, 36-37=-1570/233, 37-38=-989/5296, 34-35=-2796/526, 32-33=-955/4819, 30-31=-1478/229, 27-28=-9348/1706, 12-17=-1637/290, 6-44=-99/629, 9-45=-179/1038, 7-46=-66/345, 6-46=-1098/418, 9-47=-484/1620, 7-47=-1756/356, 25-28=-3102/16697, 27-30=-2952/15796, 34-37=-724/3386, 30-32=-12992/2457, 38-40=-6073/1205, 17-21=-402/2146, 2-42=-581/151, 2-40=-230/825, 20-23=-2516/11916,

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582223
983787	T04D	ATTIC TRUSS	1	3	Job Reference (optional)	

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NOTES- (17)

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc, 2x8 - 2 rows staggered at 0-8-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc, 2x4 - 2 rows staggered at 0-6-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 24-23 2x4 - 1 row at 0-7-0 oc, member 28-27 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-7-0 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=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 10-11, 5-44, 44-46, 46-47, 45-47, 10-45; Wall dead load (5.0psf) on member(s).4-38, 11-21
10) Bottom chord live load (75.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 36-38, 34-36, 32-34, 31-32, 27-31, 25-27, 23-25, 22-23, 21-22
11) WARNING: Required bearing size at joint(s) 16, 26 greater than input bearing size.
12) Provide metal plate or equivalent at bearing(s) 26 to support reaction shown.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1508 lb uplift at joint 1, 3282 lb uplift at joint 16, 262 lb uplift at joint 14 and 4493 lb uplift at joint 26.
14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2854 lb down and 647 lb up at 32-11-4 on top chord, and 4321 lb down and 980 lb up at 13-10-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
16) Attic room checked for L/360 deflection.
17) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-5=-64, 5-6=-54, 6-9=-54, 9-10=-54, 10-11=-64, 13-15=-54, 48-55=-20, 16-55=-265(F=-245), 16-51=-20, 38-56=-40, 21-56=-285(F=-245), 5-10=-10
   Drag: 4-38=-10, 11-21=-10
   Concentrated Loads (lb)
   Vert: 39=-1702(F) 54=-1124
   Trapezoidal Loads (plf)
   Vert: 11=-201(F=-147)-to-13=-319(F=-265)

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582224
983787	T04G	GABLE	1	1	Job Reference (optional)	

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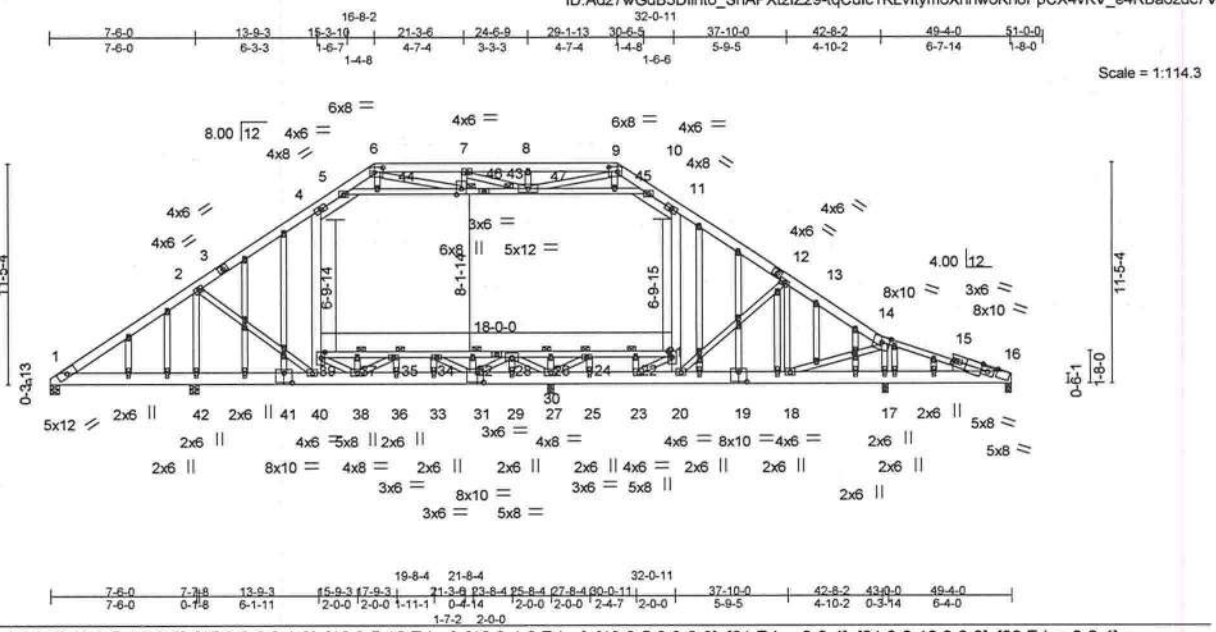

Plate Offsets (X,Y)-- [6:0-5-4,0-3-0], [9:0-5-4,0-3-0], [15:0-2-0,0-1-8], [16:0-5-12,Edge], [16:0-4-0,Edge], [19:0-5-0,0-6-0], [21:Edge,0-2-4], [31:0-3-12,0-6-0], [39:Edge,0-2-4], [41:0-5-0,0-6-0], [46:0-3-8,0-3-0], [52:0-1-10,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	-0.08	35	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.84	Vert(TL)	-0.12	35	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.02	17	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.05	21-39	4353	360	Weight: 539 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except* 14-16,15-16: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except* 30-39,21-30: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 4-40,11-20: 2x6 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-42,40-42,17-18,16-17.
JOINTS 1 Brace at Jt(s): 26, 24, 22, 37, 35, 32, 46, 47

REACTIONS. All bearings 0-3-8 except (jt=length) 1=0-5-8, 42=0-5-8.
(lb) - Max Horz 1=-352(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 16=-220(LC 9), 1=-361(LC 8), 42=-447(LC 12), 17=-556(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 16 except 1=505(LC 1), 42=2346(LC 20), 17=1709(LC 25), 27=2670(LC 18)

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

TOP CHORD 1-2=-734/743, 2-3=-1369/499, 3-4=-1272/525, 4-5=-1161/612, 5-6=-814/463, 6-7=-1455/850, 7-8=-1432/833, 8-9=-1432/833, 9-10=-803/423, 10-11=-1161/610, 11-12=-1355/537, 12-13=-1367/511, 13-14=-1229/395, 14-15=-356/442, 15-16=-366/395
BOT CHORD 1-42=-334/599, 41-42=-334/599, 40-41=-334/599, 38-40=-87/1037, 36-38=-132/2406, 33-36=-132/2406, 31-33=-132/2406, 29-31=-354/541, 27-29=-354/541, 25-27=-124/542, 23-25=-124/542, 20-23=-124/1095, 19-20=-156/994, 18-19=-156/994, 17-18=-321/368, 16-17=-408/403, 37-39=-1063/86, 35-37=-1063/86, 34-35=-1645/43, 32-34=-821/297, 30-32=-748/310, 28-30=-748/310, 26-28=-438/1975, 24-26=-438/1975, 22-24=-140/597, 21-22=-140/597
WEBS 2-42=-2065/530, 2-40=-128/1408, 39-40=-729/194, 4-39=-256/296, 20-21=-32/335, 11-21=-167/266, 14-18=-422/1285, 14-17=-1402/608, 5-44=-848/314, 44-46=-838/314, 43-46=-727/618, 43-47=-727/618, 45-47=-768/293, 10-45=-778/293, 26-27=-416/52, 24-25=-114/466, 22-23=-414/44, 21-23=-772/203, 37-38=-432/58, 38-39=-103/1264, 31-32=-392/52, 28-29=-436/94, 13-18=-415/251, 6-46=-504/899, 9-47=-508/870, 27-28=-1507/150, 24-27=-1623/349, 35-38=-681/106, 31-34=-939/178, 28-31=-227/1538

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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NOTES- (14)

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 10-11, 5-44, 44-46, 46-47, 45-47, 10-45; Wall dead load (5.0psf) on member(s).4-39, 11-21
10) Bottom chord live load (75.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 37-39, 35-37, 34-35, 32-34, 28-32, 26-28, 24-26, 22-24, 21-22
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 16, 361 lb uplift at joint 1, 447 lb uplift at joint 42 and 556 lb uplift at joint 17.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Attic room checked for L/360 deflection.
14) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582225
983787	T05	ATTIC TRUSS	3	1	Job Reference (optional)	

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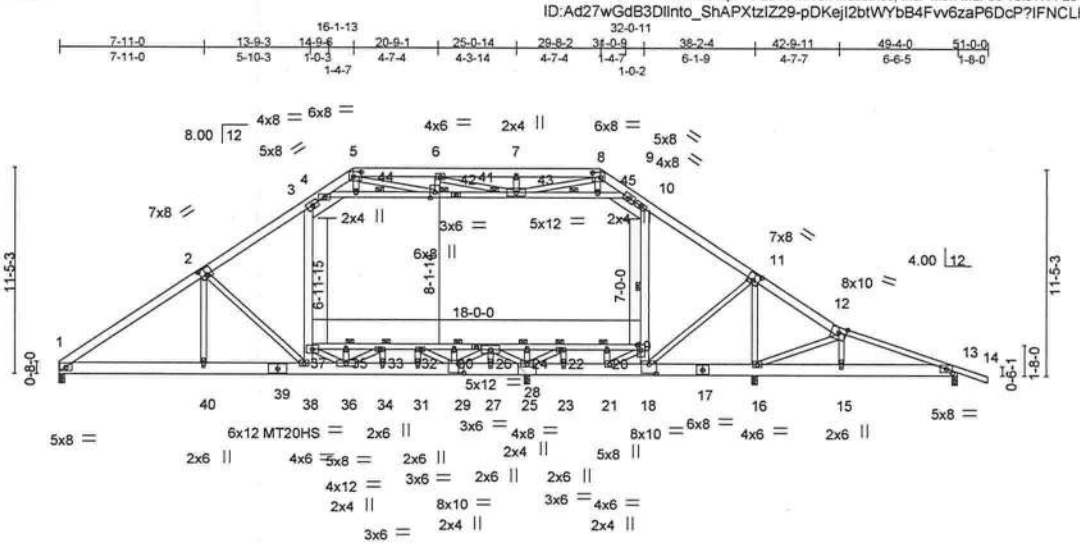

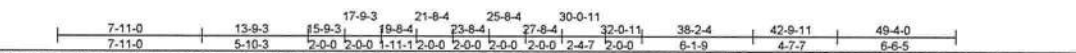

Plate Offsets (X,Y)-- [2:0-4-0,0-4-8], [5:0-5-4,0-3-0], [8:0-5-4,0-3-0], [11:0-4-0,0-4-8], [13:0-4-0,0-2-10], [18:0-5-0,0-6-0], [19:Edge,0-2-4], [29:0-3-8,0-6-0], [42:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.88	Vert(LL)	-0.32	38	>957	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.54	Vert(TL)	-0.68	38-40	>451	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	0.20	19-37	1093	360	Weight: 487 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
12-14: 2x4 SP No.2, 3-4,9-10: 2x8 SP 2400F 2.0E
BOT CHORD 2x8 SP 2400F 2.0E *Except*
28-37,19-28: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
3-38,10-18: 2x6 SP No.2
19-21,36-37,25-26,22-25,33-36,29-32,26-29: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 27-29,25-27,23-25,21-23.
WEBS 1 Row at midpt 10-19, 4-42, 9-43
JOINTS 1 Brace at Jt(s): 24, 22, 35, 33, 30, 42, 43, 20

REACTIONS. All bearings 0-3-8 except (jt=length) 25=0-3-9 (input: 0-3-8 + bearing block).
(lb) - Max Horz 1=-284(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-127(LC 12), 16=-564(LC 8), 13=-387(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=1952(LC 20), 16=989(LC 25), 25=3014(LC 18), 13=1450(LC 2)

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

TOP CHORD 1-2=-3094/678, 2-3=-2524/582, 3-4=-1858/625, 4-5=-915/444, 5-6=-1605/895, 6-7=-1521/859, 7-8=-1521/859, 8-9=-739/383, 9-10=-1903/633, 10-11=-2359/539, 11-12=-2808/284, 12-13=-3522/770

BOT CHORD 1-40=-374/2691, 39-40=-374/2688, 38-39=-374/2688, 36-38=-136/2408, 34-36=0/3328, 31-34=0/3328, 29-31=0/3328, 27-29=-201/309, 25-27=-201/309, 18-21=-38/1693, 17-18=-124/2371, 16-17=-124/2371, 15-16=-609/3325, 13-15=-625/3319, 35-37=-1842/6, 33-35=-1842/6, 32-33=-1706/0, 30-32=-374/532, 28-30=-367/548, 26-28=-367/548, 24-26=-254/3335, 22-24=-254/3335, 20-22=-106/2046, 19-20=-106/2046

WEBS 2-40=-57/433, 2-38=-848/404, 3-37=-2/1001, 18-19=-103/1492, 10-19=-85/720, 11-18=-518/214, 11-16=-547/463, 12-16=-1182/701, 4-44=-1463/239, 42-44=-1450/239, 41-42=-1108/395, 41-43=-1108/395, 43-45=-1977/324, 9-45=-1995/325, 24-25=-445/6, 22-23=-27/421, 19-21=-1993/83, 35-36=-420/0, 33-34=-539/127, 31-32=-79/454, 29-30=-395/0, 26-27=-554/26, 36-37=0/1773, 5-42=-537/933, 8-43=-588/1106, 25-26=-1871/0, 22-25=-1619/174, 33-36=-329/676, 29-32=-1666/113, 26-29=-1/2133, 20-21=-404/56

NOTES- (13)

1) 2x8 SP 2400F 2.0E bearing block 12" long at jt. 25 attached to front face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE
983787	T05	ATTIC TRUSS	3	1	T10582225
					Job Reference (optional)

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NOTES- (13)

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-44, 42-44, 42-43, 43-45, 9-45; Wall dead load (5.0psf) on member(s).3-37, 10-19
9) Bottom chord live load (75.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 35-37, 33-35, 32-33, 30-32, 26-30, 24-26, 22-24, 20-22, 19-20
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 1, 564 lb uplift at joint 16 and 387 lb uplift at joint 13.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Attic room checked for L/360 deflection.
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582226
983787	T05D	ATTIC TRUSS	1	3	Job Reference (optional)	

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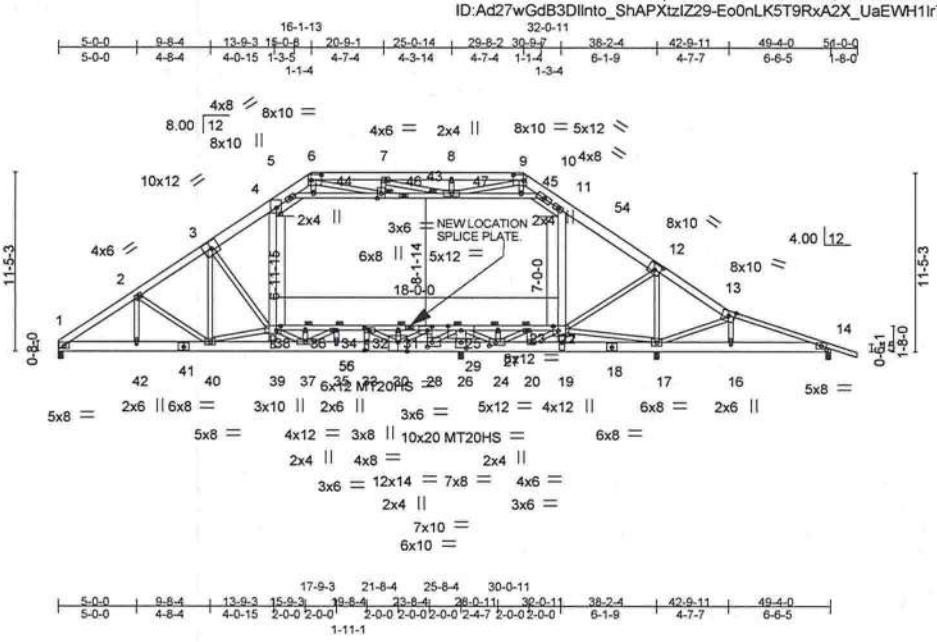

Plate Offsets (X,Y)— [4:0-4-4,Edge], [6:0-7-12,0-4-0], [9:0-7-12,0-4-0], [12:0-5-0,0-4-8], [14:0-4-0,0-2-10], [21:0-4-0,Edge], [24:0-5-0,0-2-8], [26:0-4-0,0-4-8], [27:0-3-8,0-3-0], [28:0-3-8,0-3-8], [30:0-7-0,0-7-0], [32:0-3-8,0-2-0], [33:0-6-4,0-1-8], [38:0-3-4,0-3-4], [46:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.45	37-39	>678	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.97	Vert(TL)	-0.66	37-39	>469	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(TL)	0.07	14	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.25	21-38	870	360	Weight: 1570 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
3-6,9-12: 2x8 SP 2400F 2.0E, 13-15: 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
29-38,21-29: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
4-39,11-19: 2x6 SP No.2, 25-26: 2x8 SP 2400F 2.0E
20-21,37-38,25-28,27-30,34-37,30-32,22-24: 2x4 SP M 31
10-43,24-25: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 25, 23, 22, 36, 34, 31, 46, 47

REACTIONS. All bearings 0-3-8 except (jt=length) 17=0-5-10 (input: 0-3-8), 26=0-8-8 (input: 0-3-8).
(lb) - Max Horz 1=-284(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-1464(LC 5), 17=-3411(LC 4), 14=-876(LC 5), 26=-3963(LC 5)
Max Grav All reactions 250 lb or less at joint(s) except 1=7986(LC 16), 17=14285(LC 17), 14=3270(LC 16), 26=21583(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-13177/2441, 2-3=-13655/2590, 3-4=-11255/2158, 4-5=-7122/1433, 5-6=-2115/514, 6-7=-1639/485, 7-8=-794/1227, 8-9=-794/1227, 9-10=-175/1393, 10-11=-7672/1551, 11-54=-8366/1630, 12-54=-11347/2255, 12-13=-6035/1157, 13-14=-8788/1938
BOT CHORD 1-42=-2130/11025, 41-42=-2130/11025, 40-41=-2130/11025, 39-40=-3977/20215, 39-55=-3953/20139, 37-55=-3953/20139, 35-37=-4065/21563, 33-35=-4065/21563, 30-33=-4065/21563, 28-30=-3382/761, 26-28=-17765/3347, 24-26=-17765/3347, 20-24=-2528/623, 19-20=-218/439, 18-19=-365/1359, 17-18=-365/1359, 16-17=-1745/8302, 14-16=-1759/8321, 38-56=-15718/3063, 36-56=-15718/3063, 34-36=-15718/3063, 32-34=-12846/2435, 31-32=-1718/254, 29-31=-1743/258, 27-29=-1743/258, 25-27=-2263/11997, 23-25=-3275/17053, 22-23=-3275/17053, 21-22=-2253/11244
WEBS 3-40=-630/3218, 3-38=-4766/969, 38-39=-765/3076, 4-38=-1443/7524, 19-21=-760/3664, 11-21=-182/1021, 12-21=-842/3978, 13-17=-4016/1069, 13-16=-212/389, 5-44=-6296/1169, 44-46=-6222/1158, 43-46=-7512/1236, 43-47=-7512/1236, 45-47=-11374/2215, 10-45=-11526/2242, 25-26=-15936/2900, 23-24=-1512/227, 20-22=-448/1927, 20-21=-3262/614, 36-37=-1520/220, 37-38=-1035/5422,

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NOTES- (16)

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc, 2x8 - 2 rows staggered at 0-8-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc, 2x4 - 2 rows staggered at 0-6-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 28-27 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x8 - 2 rows staggered at 0-7-0 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=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 10-11, 5-44, 44-46, 46-47, 45-47, 10-45; Wall dead load (5.0psf) on member(s).4-38, 11-21
10) Bottom chord live load (75.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 36-38, 34-36, 32-34, 31-32, 27-31, 25-27, 23-25, 22-23, 21-22
11) WARNING: Required bearing size at joint(s) 17, 26 greater than input bearing size.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1464 lb uplift at joint 1, 3411 lb uplift at joint 17, 876 lb uplift at joint 14 and 3963 lb uplift at joint 26.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2854 lb down and 647 lb up at 32-11-4 on top chord, and 4321 lb down and 980 lb up at 13-10-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
15) Attic room checked for L/360 deflection.
16) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-5=-64, 5-6=-54, 6-9=-54, 9-10=-54, 10-11=-64, 13-15=-54, 48-55=-20, 16-55=-265(F=-245), 16-51=-20, 38-56=-40, 21-56=-285(F=-245), 5-10=-10
   Drag: 4-38=-10, 11-21=-10
   Concentrated Loads (lb)
   Vert: 39=-1702(F) 54=-1124
   Trapezoidal Loads (plf)
   Vert: 11=-201(F=-147)-to-13=-319(F=-265)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582227
983787	T06	Attic Truss	1	3	Job Reference (optional)	

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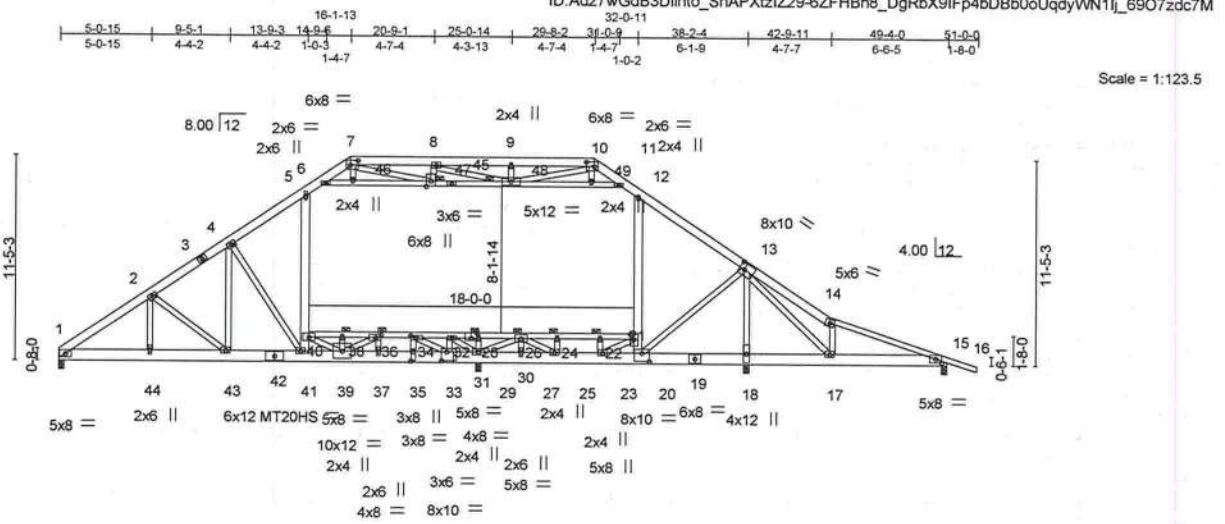

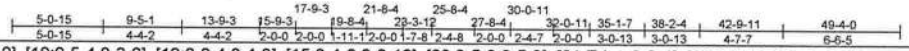

Plate Offsets (X,Y)-- [7:0-5-4,0-3-0], [10:0-5-4,0-3-0], [13:0-3-4,0-4-8], [15:0-4-0,0-2-10], [20:0-5-0,0-5-8], [21:Edge,0-2-4], [30:0-3-13,Edge], [31:0-3-8,0-6-0], [34:0-3-8,0-1-8], [35:0-6-4,0-1-8], [36:0-3-8,0-2-0], [47:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.95	Vert(LL)	-0.31	41-43	>901	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.73	Vert(TL)	-0.68	41-43	>411	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(TL)	0.04	15	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.20	21-40	1082	360	Weight: 1460 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except* 14-16: 2x4 SP No.2

BOT CHORD 2x8 SP 2400F 2.0E *Except* 30-40,21-30: 2x4 SP M 31

WEBS 2x4 SP No.3 *Except* 5-41,12-20: 2x6 SP No.2

BRACING-

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

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 29-33,27-29,25-27,23-25.

JOINTS 1 Brace at Jt(s): 47, 48, 28, 38, 36, 22, 24, 26

REACTIONS. All bearings 0-3-8.

(lb) - Max Horz 1=-284(LC 24)

Max Uplift All uplift 100 lb or less at joint(s) except 1=-862(LC 8), 18=-3130(LC 20), 29=-691(LC 8), 15=-1144(LC 5)

Max Grav All reactions 250 lb or less at joint(s) except 1=4065(LC 1), 18=1621(LC 17), 29=4982(LC 2), 15=3662(LC 1)

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

TOP CHORD 1-2=-6524/1376, 2-3=-6844/1496, 3-4=-6727/1503, 4-5=-5665/1244, 5-6=-3761/833, 6-7=-1117/320, 7-8=-1498/615, 8-9=-1267/860, 9-10=-1267/860, 10-11=-681/593, 11-12=-3897/873, 12-13=-4997/1097, 13-14=-10582/3048, 14-15=-9217/2613

BOT CHORD 1-44=-1192/5335, 43-44=-1192/5335, 42-43=-1248/5717, 41-42=-1248/5717, 39-41=-1212/5574, 37-39=-474/3182, 35-37=-474/3182, 33-35=-474/3182, 31-33=-3105/933, 29-31=-3105/933, 27-29=-5009/1439, 25-27=-5009/1439, 23-25=-1361/914, 20-23=-615/3403, 19-20=-1694/6756, 18-19=-1694/6756, 17-18=-1698/6766, 15-17=-2397/8691, 38-40=-4021/917, 36-38=-4021/917, 34-36=-410/1055, 32-34=-1705/7315, 30-32=-2206/10010, 28-30=-2206/10010, 26-28=-2206/10010, 24-26=-1515/5560, 22-24=-1515/5560, 21-22=-1515/5560

WEBS 2-44=-547/203, 2-43=-323/608, 4-43=-500/1896, 4-41=-2400/727, 40-41=-483/1224, 5-40=-759/2923, 20-21=-1326/4659, 12-21=-559/2006, 13-20=-3519/1214, 13-17=-1115/3372, 14-17=-2985/855, 6-46=-3218/842, 46-47=-3198/841, 45-47=-2711/919, 45-48=-2711/919, 48-49=-4596/1227, 11-49=-4629/1232, 13-18=-1437/2920, 7-47=-548/758, 8-48=-586/159, 10-48=-426/1375, 28-29=-416/0, 38-39=-273/0, 36-37=-2823/684, 34-35=-743/3378, 32-33=-448/2157, 24-25=-372/3, 26-27=-1740/364, 29-32=-3376/629, 26-29=-1199/0, 21-23=-5493/1491, 39-40=-635/3067, 36-39=-1512/5899, 33-34=-7332/1516, 25-26=-847/4323

NOTES- (17)

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.

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NOTES- (17)

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=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 4x6 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Ceiling dead load (5.0 psf) on member(s). 5-6, 11-12, 6-46, 46-47, 47-48, 48-49, 11-49; Wall dead load (5.0psf) on member(s).5-40, 12-21
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 38-40, 36-38, 34-36, 32-34, 28-32, 26-28, 24-26, 22-24, 21-22
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 862 lb uplift at joint 1, 3130 lb uplift at joint 18, 691 lb uplift at joint 29 and 1144 lb uplift at joint 15.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3690 lb down and 1118 lb up at 13-8-3, 489 lb down and 110 lb up at 15-8-10, and 489 lb down and 110 lb up at 17-8-10, and 489 lb down and 110 lb up at 19-8-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
16) Attic room checked for L/360 deflection.
17) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-6=-64, 6-7=-54, 7-10=-54, 10-11=-54, 11-12=-64, 12-14=-54, 14-16=-54, 50-53=-20, 21-40=-40, 6-11=-10
   Drag: 5-40=-10, 12-21=-10
   Concentrated Loads (lb)
   Vert: 41=-3690(F) 39=-489(F) 37=-489(F) 35=-489(F)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T07	ATTIC TRUSS	5	1	Job Reference (optional)	T10582228

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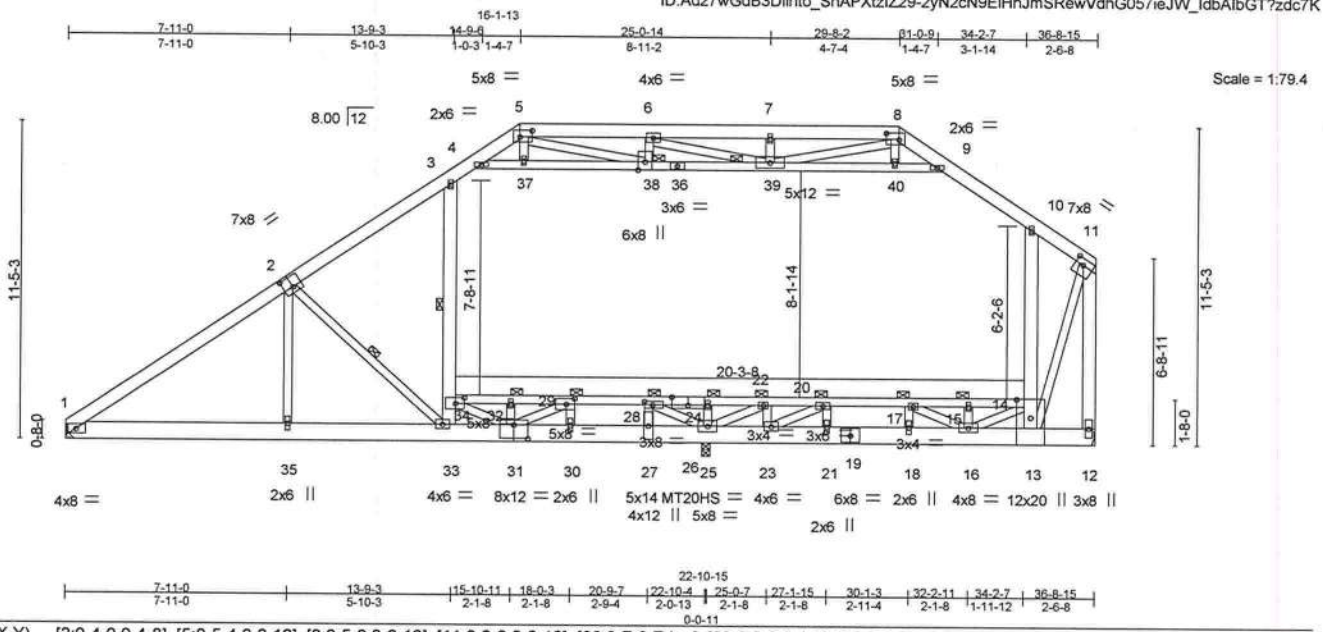

Plate Offsets (X,Y)– [2:0-4-0,0-4-8], [5:0-5-4,0-2-12], [8:0-5-8,0-2-12], [11:0-3-8,0-2-12], [26:0-7-0,Edge], [28:0-3-8,0-1-8], [29:0-3-8,0-2-8], [31:0-6-0,0-6-0], [34:0-3-12,0-2-8], [38:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	0.34	33-35	>805	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.72	Vert(TL)	-0.78	33-35	>353	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.01	25	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	0.18	14-34	1414	360	Weight: 399 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
26-34,14-26: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
3-33,10-13,11-12: 2x6 SP No.2
31-34,14-16,25-28,22-25,16-17,20-23,29-31: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-33, 3-34
JOINTS 1 Brace at Jt(s): 38, 39, 24, 28, 22, 17, 32, 15, 20, 29

REACTIONS. (lb/size) 1=1118/Mechanical, 12=1035/Mechanical, 25=1731/0-3-8
Max Horz 1=399(LC 12)
Max Uplift 1=-225(LC 12), 12=-187(LC 8), 25=-27(LC 12)
Max Grav 1=1118(LC 1), 12=1241(LC 27), 25=2598(LC 20)

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

TOP CHORD 1-2=-1673/479, 2-3=-967/320, 3-4=-834/438, 4-5=-1097/535, 5-6=-1877/1034, 6-7=-1855/1045, 7-8=-1855/1045, 8-9=-1041/591, 9-10=-932/434, 10-11=-572/120, 11-12=-1896/430

BOT CHORD 1-35=-540/1334, 33-35=-539/1330, 31-33=-335/1152, 30-31=-973/438, 27-30=-973/438, 25-27=-973/438, 23-25=-2924/943, 21-23=-1671/901, 19-21=-1671/901, 18-19=-1671/901, 16-18=-1671/901, 32-34=-1114/146, 29-32=-1089/150, 28-29=-522/1524, 26-28=-908/4331, 24-26=-908/4331, 22-24=-908/4331, 20-22=-1039/3475, 17-20=-1017/2221, 15-17=-764/1661, 14-15=-764/1661

WEBS 2-35=-150/612, 2-33=-970/517, 33-34=-554/199, 3-34=-319/294, 13-14=-456/336, 10-14=-847/482, 4-37=-389/430, 37-38=-386/435, 36-38=-886/1295, 36-39=-886/1295, 39-40=-439/336, 9-40=-446/330, 11-13=-478/1807, 5-38=-635/994, 8-39=-576/1099, 24-25=-256/0, 31-34=0/644, 14-16=-1389/709, 25-28=-3236/445, 22-25=-1088/0, 16-17=-315/646, 31-32=-315/0, 15-16=-321/0, 17-18=-479/92, 27-28=-238/1205, 22-23=0/355, 20-21=-61/585, 20-23=-1849/49, 29-30=-1655/329, 29-31=-774/3053

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE
983787	T07	ATTIC TRUSS	5	1	T10582228
					Job Reference (optional)

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NOTES- (14)

8) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-37, 37-38, 38-39, 39-40, 9-40; Wall dead load (5.0psf) on member(s).3-34, 10-14
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 32-34, 29-32, 28-29, 24-28, 22-24, 20-22, 17-20, 15-17, 14-15
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1, 187 lb uplift at joint 12 and 27 lb uplift at joint 25.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Attic room checked for L/360 deflection.
14) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582229
983787	T07G	GABLE	1	1	Job Reference (optional)	

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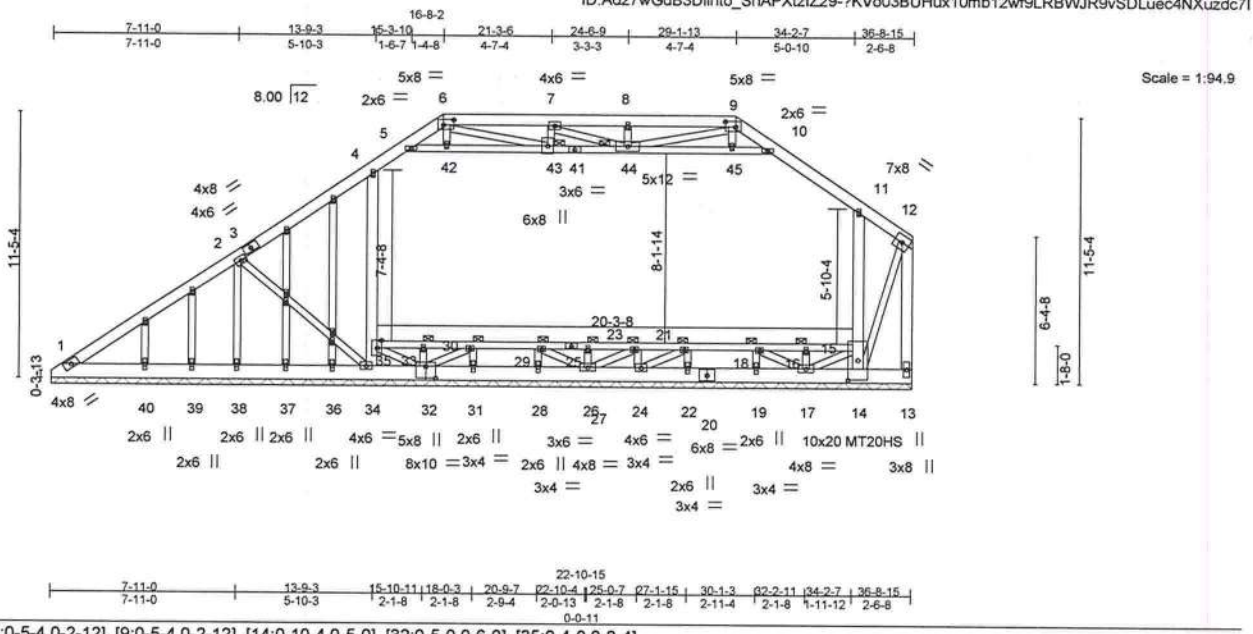

Plate Offsets (X,Y)-- [6:0-5-4,0-2-12], [9:0-5-4,0-2-12], [14:0-10-4,0-5-0], [32:0-5-0,0-6-0], [35:0-4-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.71	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.08	Vert(TL)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.01	13	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 417 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except* 27-35,15-27: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 4-34,11-14,12-13: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 43, 44, 25, 23, 33, 29, 21, 16, 18, 30

REACTIONS. All bearings 36-8-15.

(lb) - Max Horz 1=394(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 40, 39 except 1=-117(LC 8), 38=-261(LC 12), 34=-266(LC 12), 14=-878(LC 1), 13=-613(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 26, 24, 32, 17, 40, 39, 37, 36, 28, 22, 19, 31 except 1=484(LC 1), 38=587(LC 1), 34=510(LC 20), 14=598(LC 9), 13=1834(LC 1)

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

TOP CHORD 1-2=-673/297, 2-3=-781/374, 3-4=-764/398, 4-5=-819/483, 5-6=-946/470, 6-7=-1672/913, 7-8=-1722/936, 8-9=-1722/936, 9-10=-1074/544, 10-11=-880/473, 11-12=-580/240, 12-13=-1776/687
BOT CHORD 1-40=-272/471, 39-40=-272/471, 38-39=-272/471, 37-38=-272/471, 36-37=-272/471, 34-36=-272/471, 32-34=-214/565, 31-32=-160/427, 28-31=-160/427, 26-28=-160/427, 24-26=-165/437, 22-24=-148/401, 20-22=-148/401, 19-20=-148/401, 17-19=-148/401, 14-17=-180/475
WEBS 2-38=-533/345, 34-35=-498/166, 4-35=-508/252, 14-15=-689/289, 11-15=-680/353, 5-42=-243/310, 42-43=-240/316, 41-43=-674/1160, 41-44=-674/1160, 44-45=-191/402, 10-45=-193/398, 12-14=-626/1655, 6-43=-522/942, 9-44=-491/828

NOTES- (15)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582229
983787	T07G	GABLE	1	1	Job Reference (optional)	

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NOTES- (15)

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Ceiling dead load (5.0 psf) on member(s). 4-5, 10-11, 5-42, 42-43, 43-44, 44-45, 10-45; Wall dead load (5.0psf) on member(s).4-35, 11-15
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 40, 39 except (jt=lb) 1=117, 38=261, 34=266, 14=878, 13=613.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Attic room checked for L/360 deflection.
15) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582230
983787	T08	Attic Truss	1	1	Job Reference (optional)	

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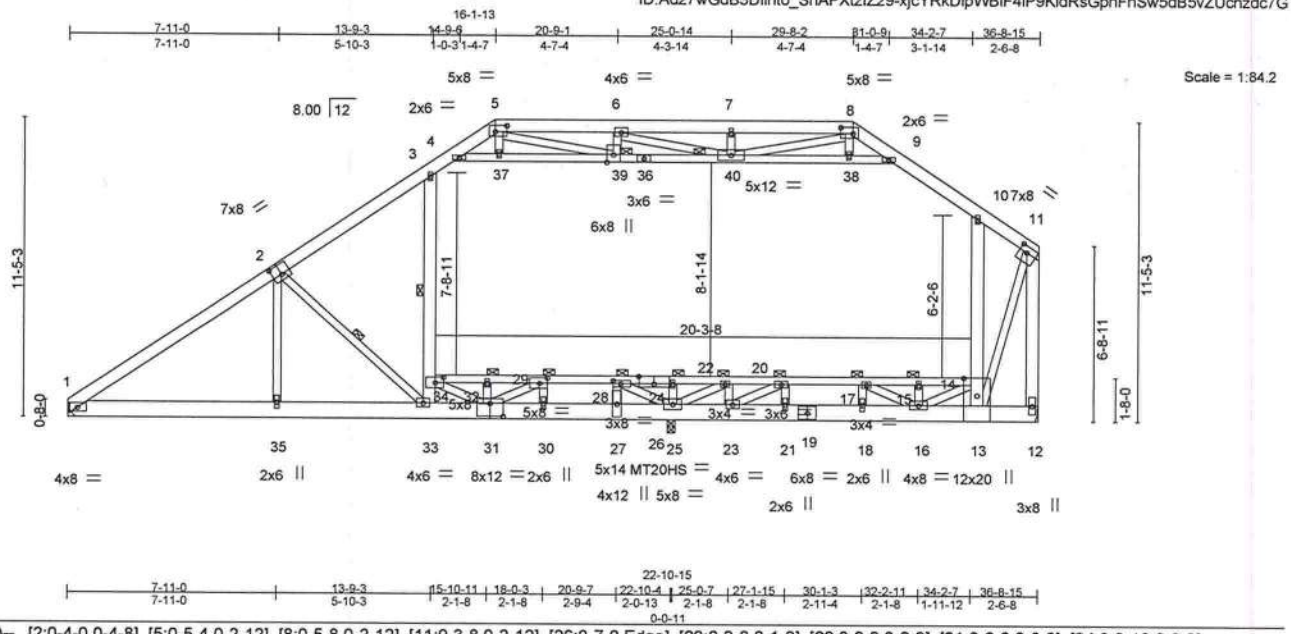

Plate Offsets (X,Y)-- [2:0-4-0,0-4-8], [5:0-5-4,0-2-12], [8:0-5-8,0-2-12], [11:0-3-8,0-2-12], [26:0-7-0,Edge], [28:0-3-8,0-1-8], [29:0-3-8,0-2-8], [31:0-6-0,0-6-0], [34:0-3-12,0-2-8], [39:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.30	33-35	>910	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.72	Vert(TL)	-0.78	33-35	>353	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.01	25	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	0.18	14-34	1414	360	Weight: 399 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
26-34,14-26: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
3-33,10-13,11-12: 2x6 SP No.2
25-28,22-25,31-34,20-23,14-16,16-17,29-31: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-33, 3-34
JOINTS 1 Brace at Jt(s): 39, 40, 24, 22, 28, 32, 20, 15, 17, 29

REACTIONS. (lb/size) 1=1118/Mechanical, 12=1035/Mechanical, 25=1731/0-3-8
Max Horz 1=268(LC 12)
Max Uplift 1=-88(LC 12), 12=-62(LC 8)
Max Grav 1=1118(LC 1), 12=1241(LC 27), 25=2609(LC 20)

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

TOP CHORD 1-2=-1673/479, 2-3=-967/320, 3-4=-834/438, 4-5=-1097/535, 5-6=-1877/1034, 6-7=-1855/1045, 7-8=-1855/1045, 8-9=-1041/561, 9-10=-932/434, 10-11=-572/120, 11-12=-1896/430

BOT CHORD 1-35=-540/1369, 33-35=-539/1364, 31-33=-335/1157, 30-31=-952/350, 27-30=-952/350, 25-27=-952/350, 23-25=-2937/868, 21-23=-1671/846, 19-21=-1671/846, 18-19=-1671/846, 16-18=-1671/846, 32-34=-1123/137, 29-32=-1099/141, 28-29=-522/1550, 26-28=-908/4384, 24-26=-908/4384, 22-24=-908/4384, 20-22=-1039/3534, 17-20=-1017/2221, 15-17=-764/1661, 14-15=-764/1661

WEBS 2-35=-141/615, 2-33=-951/474, 33-34=-554/127, 3-34=-319/226, 13-14=-456/238, 10-14=-847/482, 4-37=-252/430, 37-39=-248/435, 36-39=-651/1295, 36-40=-651/1295, 38-40=-309/336, 9-38=-317/330, 11-13=-478/1807, 5-39=-569/994, 8-40=-542/1099, 24-25=-256/0, 22-23=0/355, 25-28=-3267/445, 22-25=-1088/0, 27-28=-238/1219, 31-32=-315/0, 31-34=0/644, 20-21=-50/582, 20-23=-1843/25, 15-16=-321/0, 14-16=-1389/709, 17-18=-476/81, 16-17=-292/646, 29-30=-1674/329, 29-31=-774/3095

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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NOTES- (14)

8) Ceiling dead load (5.0 psf) on member(s). 3-4, 9-10, 4-37, 37-39, 39-40, 38-40, 9-38; Wall dead load (5.0psf) on member(s).3-34, 10-14
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 32-34, 29-32, 28-29, 24-28, 22-24, 20-22, 17-20, 15-17, 14-15
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12.
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Attic room checked for L/360 deflection.
14) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582231
983787	T09	ATTIC TRUSS	1	3	Job Reference (optional)	

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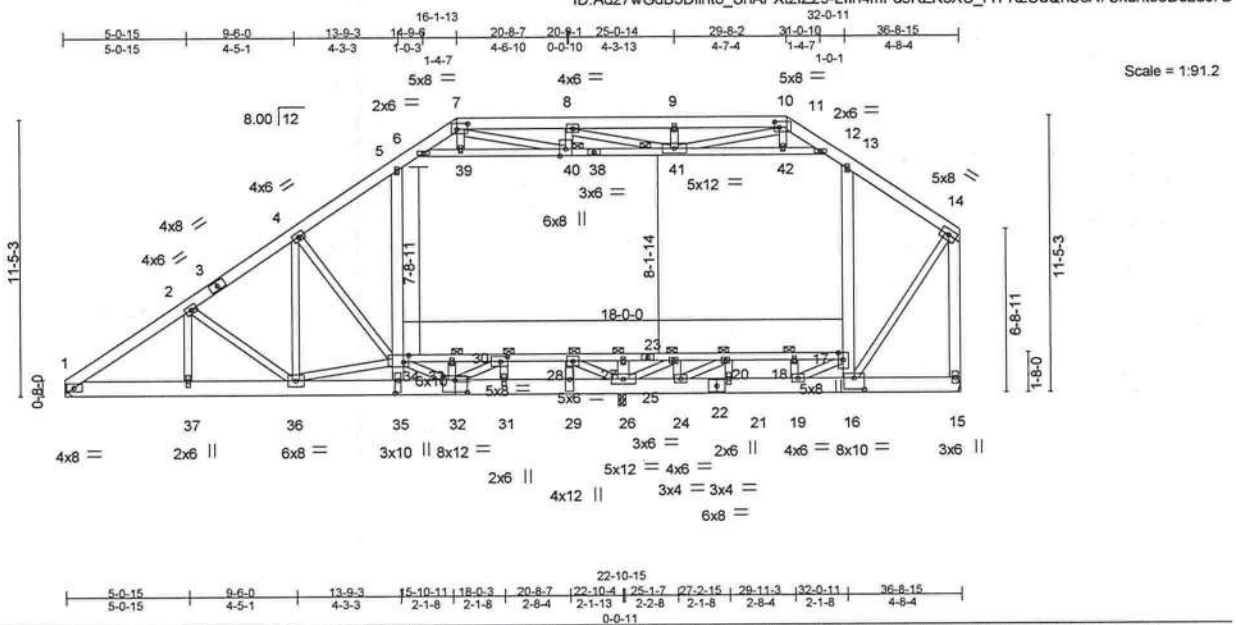

Plate Offsets (X,Y)-- [7:0-5-4,0-2-12], [11:0-2-4,0-2-12], [16:0-5-0,0-5-12], [17:Edge,0-2-4], [30:0-3-8,0-2-8], [32:0-6-0,0-6-0], [34:0-2-8,Edge], [35:0-6-4,0-1-8], [40:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.24	35	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.97	Vert(TL)	-0.52	35	>527	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.03	26	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.14	17-34	1550	360	Weight: 1244 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
25-34,17-25: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-35,13-16,14-15,26-27: 2x6 SP No.2
17-19,32-34,26-28,23-26,20-24,30-32: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 40, 41, 27, 23, 20, 28, 33, 30, 18

REACTIONS. (lb/size) 1=3244/Mechanical, 15=3806/Mechanical, 26=4716/0-3-8
Max Horz 1=268(LC 8)
Max Uplift 1=-696(LC 8), 15=-990(LC 4), 26=-725(LC 8)
Max Grav 1=3244(LC 1), 15=3836(LC 21), 26=4977(LC 22)

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

TOP CHORD 1-2=-5178/1108, 2-3=-5313/1172, 3-4=-5194/1186, 4-5=-2745/742, 5-6=-1956/534, 6-7=-1223/324, 7-8=-1758/557, 8-9=-1418/680, 9-10=-1418/680, 10-11=-566/512, 11-12=-705/446, 12-13=-2053/544, 13-14=-2337/601, 14-15=-4099/1011

BOT CHORD 1-37=-1112/4221, 36-37=-1112/4221, 35-36=-3335/13652, 32-35=-3339/13753, 31-32=-782/3712, 29-31=-782/3712, 26-29=-782/3712, 24-26=-3943/985, 22-24=-1582/519, 21-22=-1582/519, 19-21=-1582/519, 16-19=-413/1538, 33-34=-9435/2137, 30-33=-9421/2140, 28-30=-1770/321, 27-28=-1382/6370, 25-27=-1382/6370, 23-25=-1382/6370, 20-23=-1427/5884, 18-20=-980/3523, 17-18=-980/3523

WEBS 2-37=-336/156, 2-36=-296/401, 4-36=-862/3600, 4-34=-3596/972, 34-35=-888/2164, 5-34=-529/1251, 16-17=-810/2031, 13-17=-507/655, 6-39=-1068/531, 39-40=-1057/534, 38-40=-1409/1144, 38-41=-1409/1144, 41-42=-1848/633, 12-42=-1850/634, 14-16=-798/3422, 23-24=-33/289, 20-21=-292/1192, 17-19=-3430/981, 28-29=-886/4020, 32-33=-301/0, 32-34=-2753/867, 7-40=-479/723, 8-41=-366/96, 10-41=-390/1317, 26-28=-9298/1913, 23-26=-906/0, 20-24=-2763/547, 30-31=-4322/969, 30-32=-2126/8941, 34-36=-9673/2364, 18-19=-299/0

NOTES- (16)

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.

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NOTES- (16)

6) All plates are 2x4 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 5-6, 12-13, 6-39, 39-40, 40-41, 41-42, 12-42; Wall dead load (5.0psf) on member(s).5-34, 13-17
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 33-34, 30-33, 28-30, 27-28, 23-27, 20-23, 18-20, 17-18
11) Refer to girder(s) for truss to truss connections.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=696, 15=990, 26=725.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3726 lb down and 1129 lb up at 13-10-15, 489 lb down and 110 lb up at 15-8-10, and 489 lb down and 110 lb up at 17-8-10, and 3287 lb down and 1129 lb up at 32-1-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
15) Attic room checked for L/360 deflection.
16) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-6=-64, 6-7=-54, 7-11=-54, 11-12=-54, 12-13=-64, 13-14=-54, 15-43=-20, 17-34=-40, 6-12=-10
   Drag: 5-34=-10, 13-17=-10
   Concentrated Loads (lb)
   Vert: 35=-3726(B) 16=-3287(B) 32=-489(B) 31=-489(B)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582232
983787	T10	Monopitch Truss	7	1	Job Reference (optional)	

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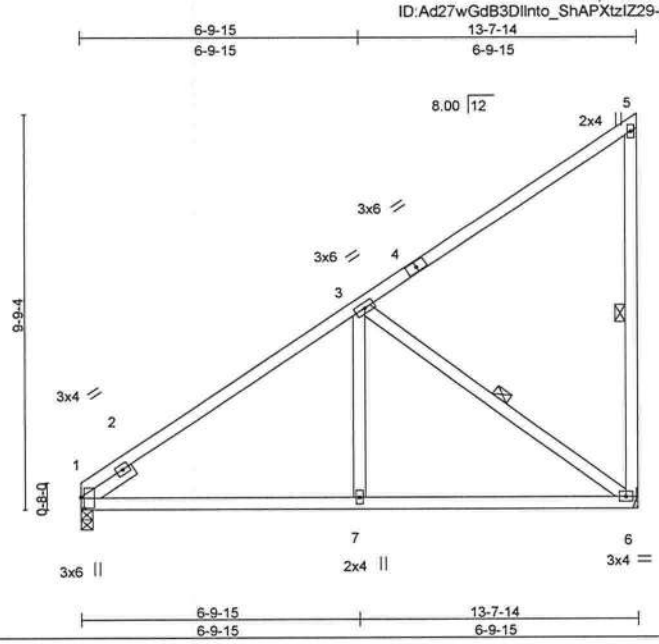

Plate Offsets (X,Y)-- [1:0-3-5,0-0-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	0.06	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(TL)	-0.13	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.02	1	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 80 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-4-10 oc bracing.
WEBS	1 Row at midpt 5-6, 3-6

REACTIONS. (lb/size) 1=500/0-3-8, 6=500/Mechanical
Max Horz 1=305(LC 12)
Max Uplift 1=-22(LC 12), 6=-241(LC 12)
Max Grav 1=500(LC 1), 6=546(LC 19)

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

TOP CHORD	1-2=-347/0, 2-3=-567/15
BOT CHORD	1-7=-331/530, 6-7=-331/530
WEBS	3-7=0/307, 3-6=-647/404

NOTES- (7)

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 6=241.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T11	MONOPITCH TRUSS	4	1	Job Reference (optional)	T10582233

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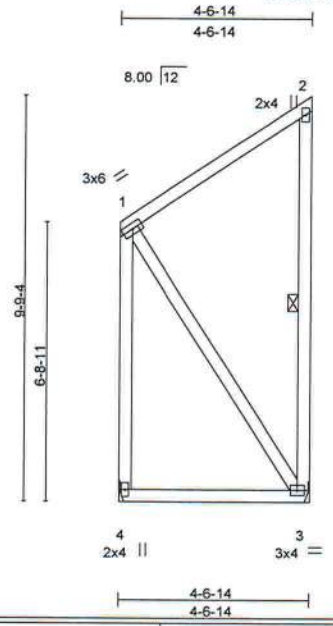

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.02	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(TL)	-0.05	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-3

REACTIONS. (lb/size) 4=158/Mechanical, 3=158/Mechanical
Max Horz 4=97(LC 12)
Max Uplift 3=-221(LC 12)
Max Grav 4=184(LC 21), 3=222(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-3=-218/279

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) except (jt=lb) 3=221.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582234
983787	T12	QUEENPOST	4	1	Job Reference (optional)	

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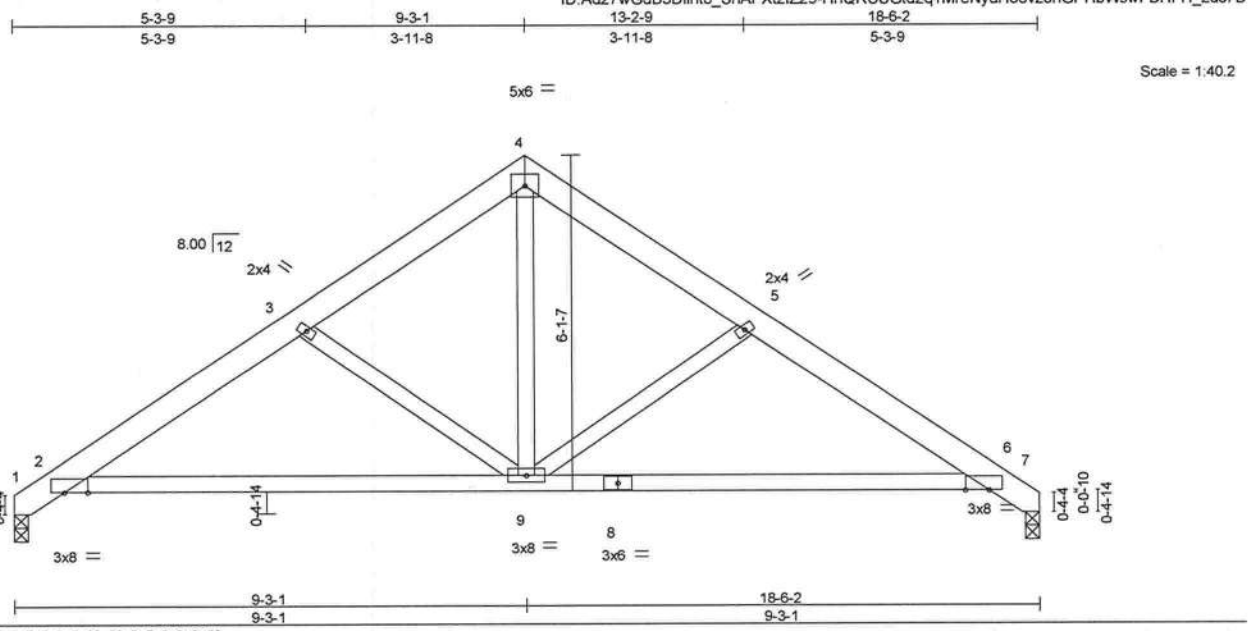

Plate Offsets (X,Y)-- [2:0-5-2,0-0-0], [6:0-5-2,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.08	9-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(TL)	-0.24	9-12	>926	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 100 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

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

REACTIONS. (lb/size) 1=689/0-3-0, 7=679/0-3-0
Max Horz 1=152(LC 9)
Max Uplift 1=-133(LC 12), 7=-136(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-420/166, 2-3=-995/457, 3-4=-765/378, 4-5=-765/378, 5-6=-994/458, 6-7=-373/167
BOT CHORD 2-9=-304/872, 8-9=-305/846, 6-8=-305/846
WEBS 3-9=-417/272, 4-9=-276/668, 5-9=-414/273

NOTES- (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=133, 7=136.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T12D	Roof Special	3	1	Job Reference (optional)	T10582235

Builders FirstSource, Lake City, FL 32055

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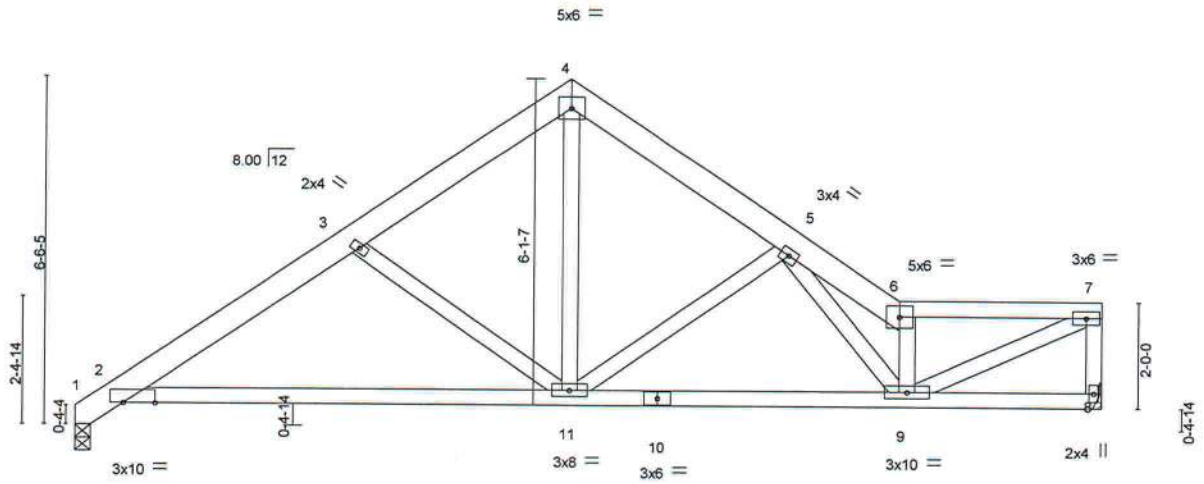
5-3-9	9-3-1	13-2-9	15-5-4	19-2-10
5-3-9	3-11-8	3-11-8	2-2-11	3-9-6

Scale = 1:41.5



0-10-6	9-3-1	15-5-4	18-3-1	19-2-10
0-10-6	8-4-11	6-2-3	2-9-14	0-11-9

Plate Offsets (X,Y)— [2:0-7-2,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.09	11-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(TL)	-0.27	11-14	>851	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 114 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except* 6-7: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-6 oc bracing.

REACTIONS. (lb/size) 1=717/0-3-8, 8=697/Mechanical
Max Horz 1=149(LC 9)
Max Uplift 1=-135(LC 12), 8=-148(LC 13)

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

TOP CHORD 1-2=-409/89, 2-3=-1043/479, 3-4=-804/399, 4-5=-789/392, 5-6=-1463/657, 6-7=-1164/503
BOT CHORD 2-11=-421/892, 10-11=-428/948, 9-10=-428/948
WEBS 3-11=-418/274, 4-11=-285/664, 5-11=-441/282, 7-8=-666/317, 6-9=-882/440, 7-9=-560/1296, 5-9=-190/490

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=135, 8=148.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582236
983787	T14	HIP TRUSS	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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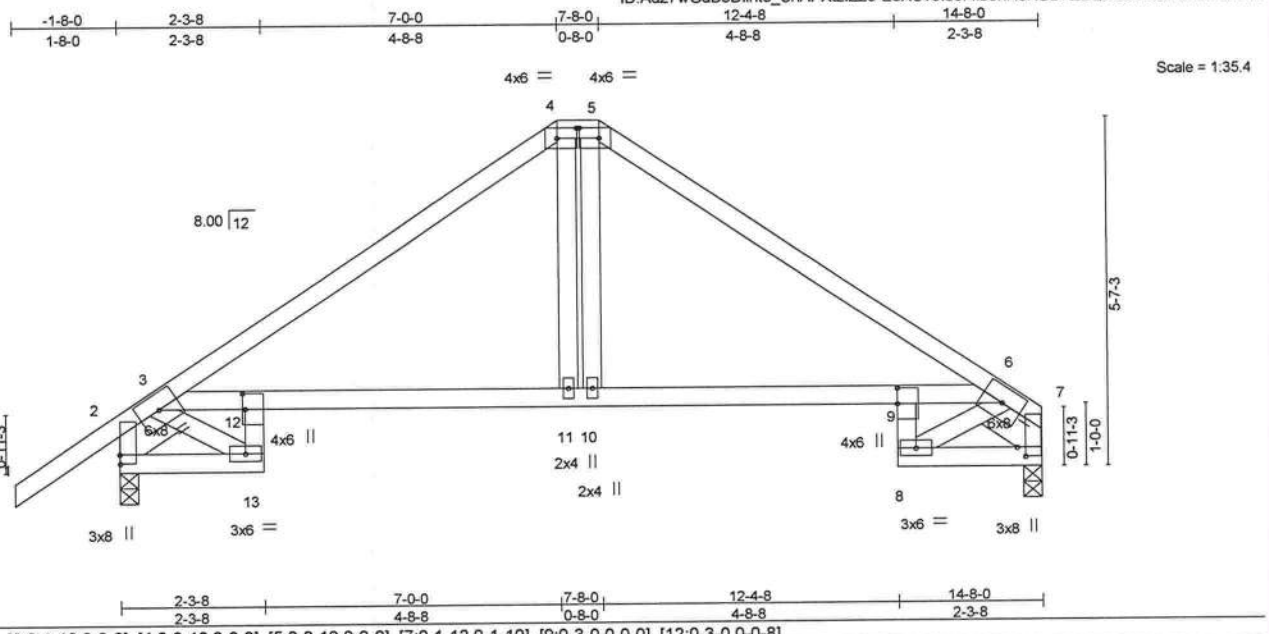

Plate Offsets (X,Y)— [2:0-1-12,0-0-2], [4:0-3-12,0-2-0], [5:0-3-12,0-2-0], [7:0-1-12,0-1-10], [9:0-3-0,0-0-0], [12:0-3-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	0.20	11-12	>870	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(TL)	-0.36	9-10	>495	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.27	Horz(TL)	0.20	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 80 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
12-13,8-9: 2x4 SP No.3, 3-6: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-0-0, Right 2x6 SP No.2 1-0-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-0 oc bracing. Except:
8-6-0 oc bracing: 9-10

REACTIONS. (lb/size) 7=1002/0-3-8, 2=1102/0-3-8
Max Horz 2=136(LC 5)
Max Uplift 7=-534(LC 9), 2=-566(LC 8)
Max Grav 7=1007(LC 34), 2=1102(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-357/235, 3-4=-1653/995, 4-5=-1363/892, 5-6=-1679/1012, 6-7=-330/204
BOT CHORD 2-13=-426/725, 12-13=-258/453, 3-12=-661/1168, 11-12=-779/1378, 10-11=-791/1397, 9-10=-775/1372, 6-9=-718/1201, 8-9=-235/435, 7-8=-392/698
WEBS 4-11=-492/728, 5-10=-511/739, 3-13=-632/382, 6-8=-606/349

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=534, 2=566.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 97 lb down and 97 lb up at 7-0-0, and 97 lb down and 97 lb up at 7-8-0 on top chord, and 442 lb down and 395 lb up at 7-0-0, and 442 lb down and 395 lb up at 7-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 13-18=-20, 9-12=-20, 8-14=-20

Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 4=-62(B) 5=-62(B) 11=-402(B) 10=-402(B)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582237
983787	T15	SPECIAL TRUSS	3	1	Job Reference (optional)	

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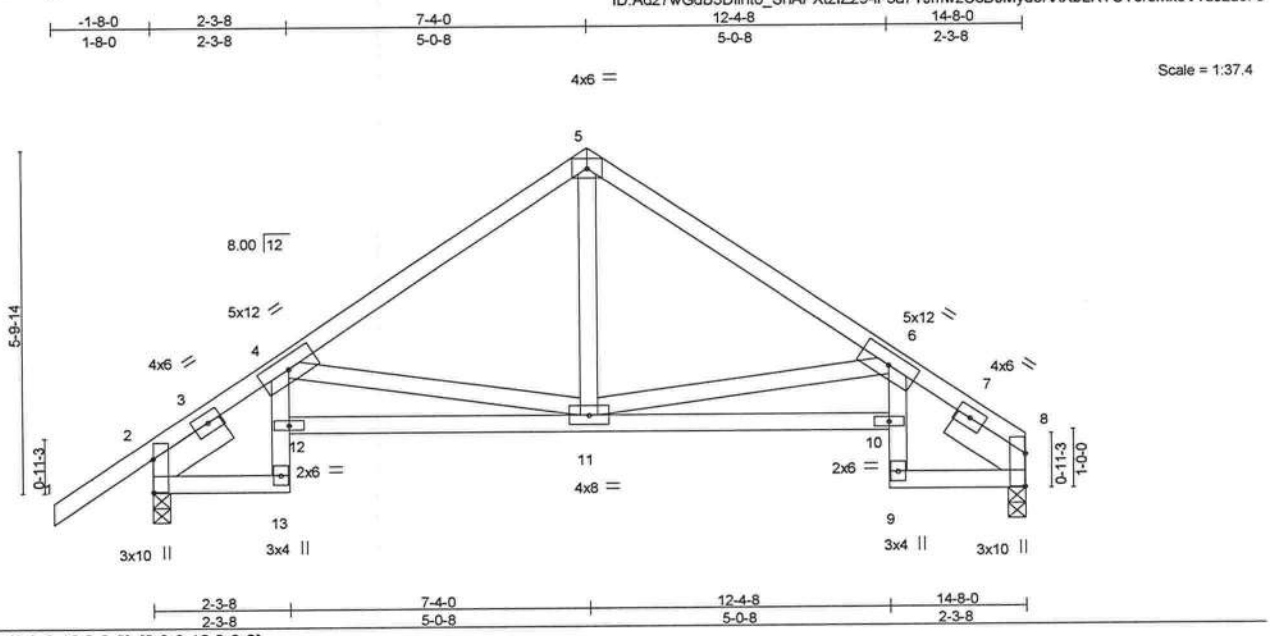

Plate Offsets (X,Y)-- [2:0-6-12,0-0-2], [8:0-6-12,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.05	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(TL)	-0.14	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 85 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-14 oc bracing.

REACTIONS. (lb/size) 8=538/0-3-8, 2=638/0-3-8
Max Horz 2=140(LC 9)
Max Uplift 8=-107(LC 13), 2=-140(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-675/303, 4-5=-642/293, 5-6=-642/294, 6-7=-666/320
BOT CHORD 2-13=-183/479, 11-12=-429/1039, 10-11=-456/991, 8-9=-201/462
WEBS 5-11=-122/395, 6-11=-624/381, 4-11=-638/354

NOTES- (7)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=107, 2=140.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T16	COMMON TRUSS	1	1	Job Reference (optional)	T10582238

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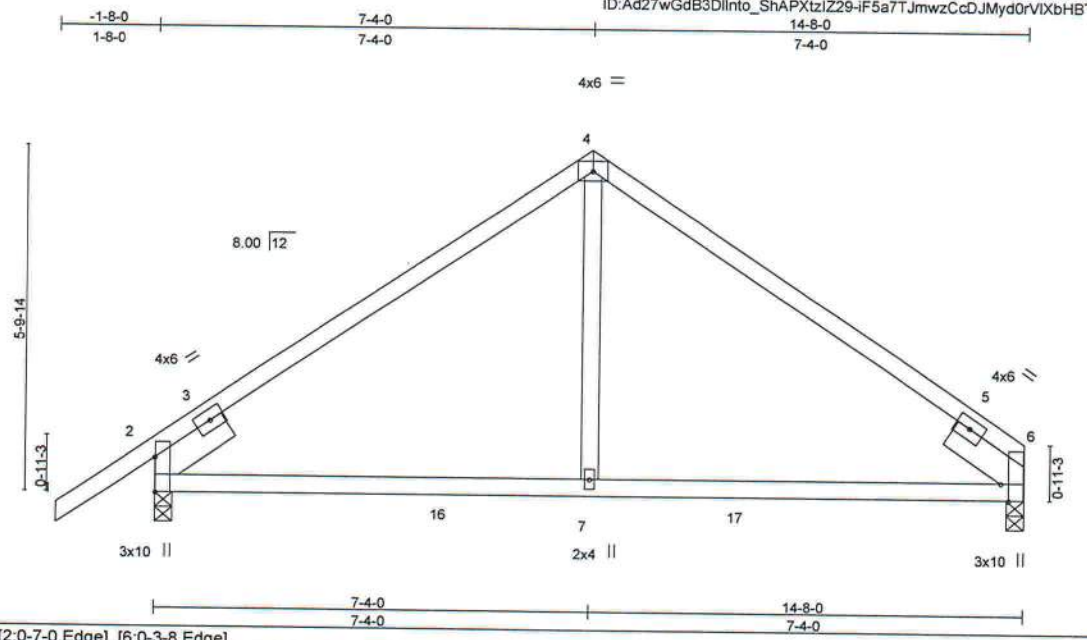

Plate Offsets (X,Y)— [2:0-7-0,Edge], [6:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.09	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(TL)	-0.15	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.04	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 66 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

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

REACTIONS. (lb/size) 6=538/0-3-8, 2=638/0-3-8
Max Horz 2=140(LC 9)
Max Uplift 6=-107(LC 13), 2=-140(LC 12)
Max Grav 6=572(LC 20), 2=663(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-462/271, 3-4=-652/280, 4-5=-647/279, 5-6=-331/177
BOT CHORD 2-16=-95/494, 7-16=-95/494, 7-17=-95/494, 6-17=-95/494
WEBS 4-7=-32/327

NOTES- (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;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) except (jt=lb) 6=107, 2=140.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582239
983787	T17	Common Girder	1	2	Job Reference (optional)	

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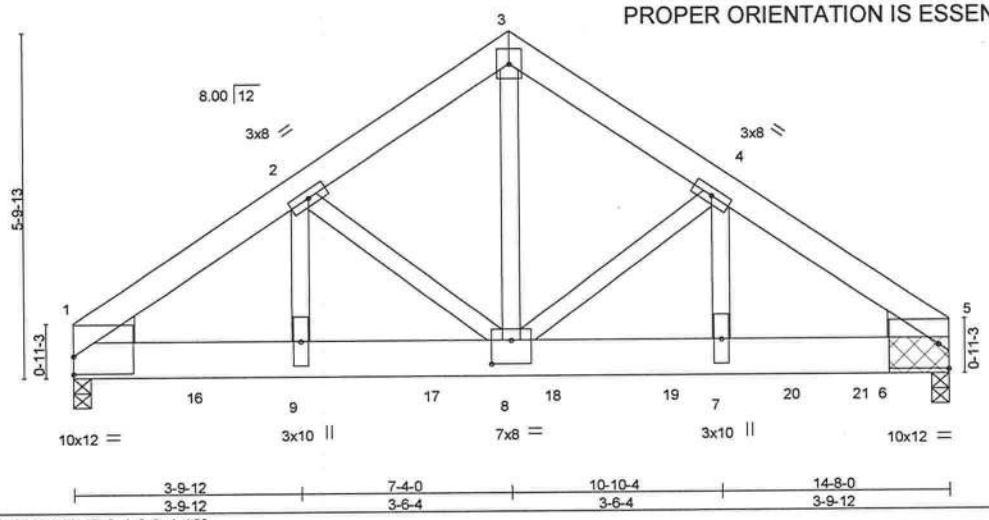
3-9-12	7-4-0	10-10-4	14-8-0
3-9-12	3-6-4	3-6-4	3-9-12

Scale = 1:37.3

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.



3-9-12	7-4-0	10-10-4	14-8-0
3-9-12	3-6-4	3-6-4	3-9-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(TL)	-0.09	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 247 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3
WEDGE
Left: 2x6 SP No.2, Right: 2x6 SP No.2

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

REACTIONS. (lb/size) 1=4286/0-3-8, 5=6614/(0-3-8 + bearing block) (req. 0-3-14)
Max Horz 1=122(LC 24)
Max Uplift 1=-470(LC 8), 5=-1014(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5640/627, 2-3=-4407/548, 3-4=-4416/550, 4-5=-6658/864
BOT CHORD 1-16=-525/4578, 9-16=-525/4578, 9-17=-525/4578, 8-17=-525/4578, 8-18=-678/5468, 18-19=-678/5468, 7-19=-678/5468, 7-20=-678/5468, 20-21=-678/5468, 6-21=-678/5468, 5-6=-678/5468
WEBS 3-8=-516/4493, 4-8=-2340/463, 4-7=-390/2661, 2-8=-1187/194, 2-9=-106/1446

NOTES- (11)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-3-0 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) 2x8 SP 2400F 2.0E bearing block 12" long at jt. 5 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=470, 5=1014.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1098 lb down and 108 lb up at 2-0-12, 1098 lb down and 108 lb up at 4-0-12, 1098 lb down and 108 lb up at 6-0-12, 1098 lb down and 108 lb up at 8-0-12, 1098 lb down and 108 lb up at 10-0-12, and 1098 lb down and 108 lb up at 12-0-12, and 3224 lb down and 716 lb up at 13-3-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Continued on page 2

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 10-13=-20

Concentrated Loads (lb)

Vert: 9=-1098(F) 16=-1098(F) 17=-1098(F) 18=-1098(F) 19=-1098(F) 20=-1098(F) 21=-3224(F)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582240
983787	T18	Common	4	1	Job Reference (optional)	

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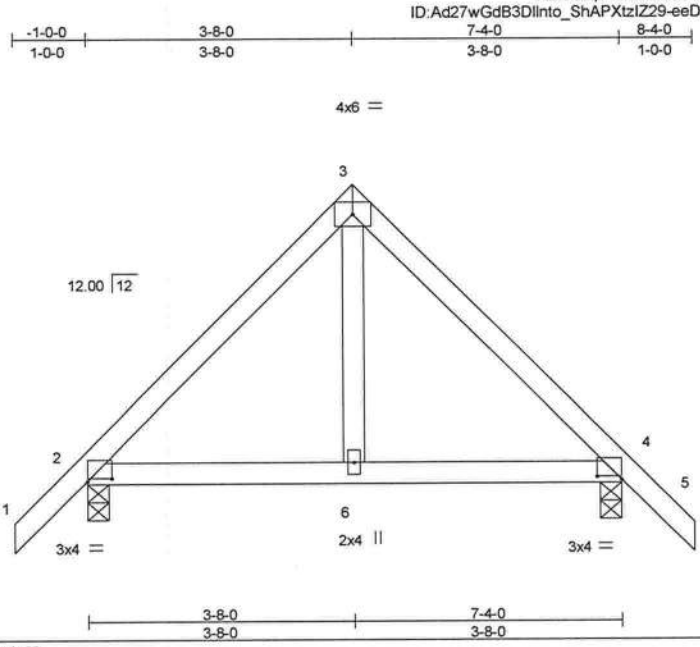

Plate Offsets (X,Y)-- [2:0-4-0,0-0-8], [4:0-4-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.01	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(TL)	-0.01	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 36 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

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

REACTIONS. (lb/size) 2=325/0-3-8, 4=325/0-3-8
Max Horz 2=145(LC 11)
Max Uplift 2=-125(LC 12), 4=-125(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-259/122, 3-4=-259/122

NOTES- (7)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=125, 4=125.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582241
983787	T18G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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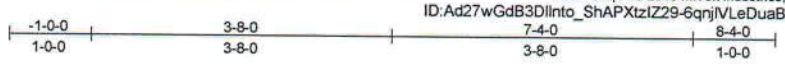

4x6 =

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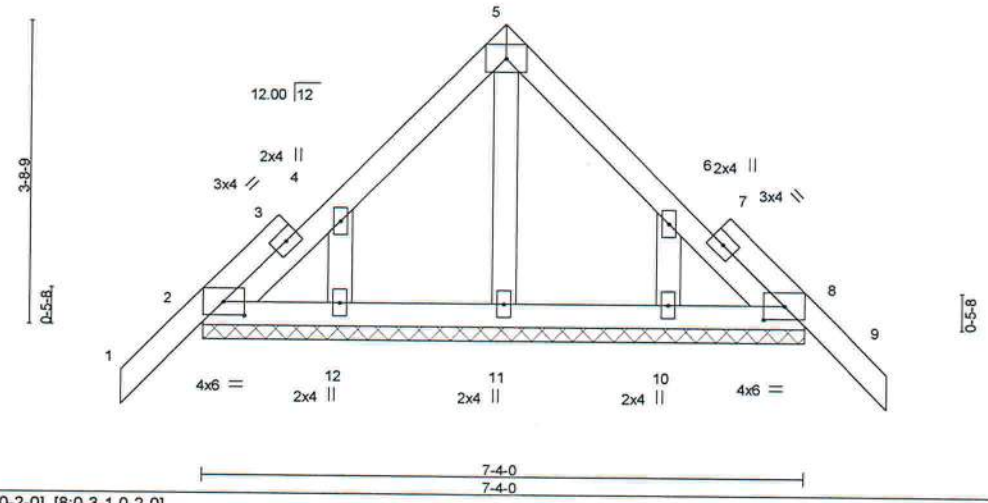

Plate Offsets (X,Y)— [2:0-3-1,0-2-0], [8:0-3-1,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 42 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-

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

REACTIONS. All bearings 7-4-0.
(lb) - Max Horz 2=-132(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8 except 12=-131(LC 12), 10=-134(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

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

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 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 except (jt=lb) 12=131, 10=134.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T19	Common Girder	1	1	Job Reference (optional)	T10582242

Builders FirstSource, Lake City, FL 32055

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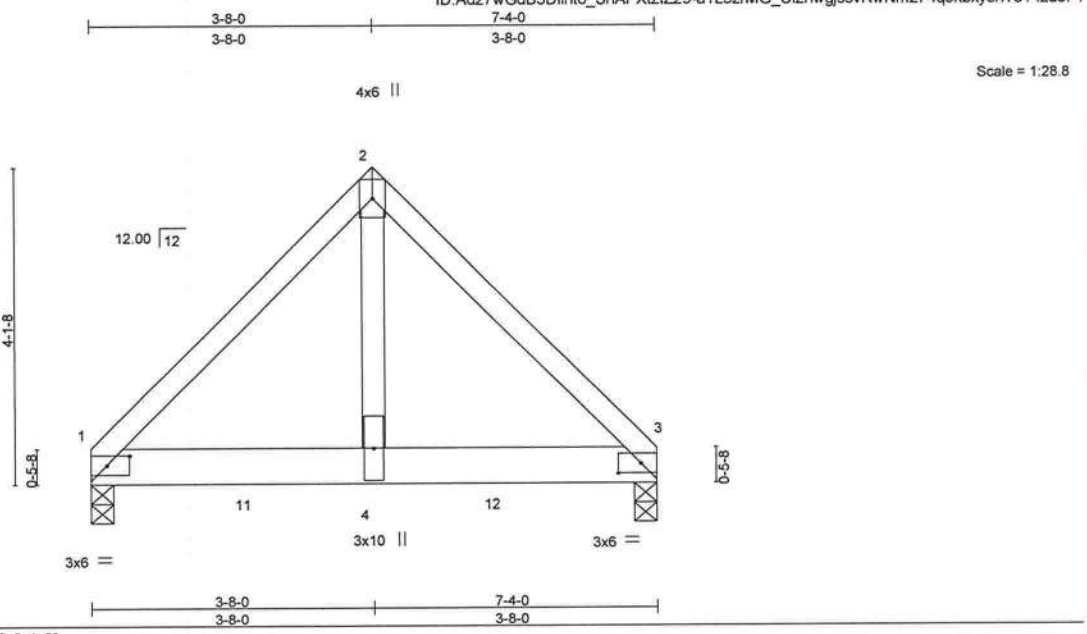

Plate Offsets (X,Y)-- [1:0-3-8,0-1-8], [3:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.02	4-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(TL)	-0.04	4-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 1=1287/0-3-8, 3=1287/0-3-8
Max Horz 1=91(LC 7)
Max Uplift 1=-282(LC 8), 3=-282(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1270/304, 2-3=-1270/304
BOT CHORD 1-11=-186/867, 4-11=-186/867, 4-12=-186/867, 3-12=-186/867
WEBS 2-4=-340/1541

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=282, 3=282.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 677 lb down and 168 lb up at 2-0-12, and 677 lb down and 168 lb up at 3-8-0, and 677 lb down and 168 lb up at 5-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-677(F) 11=-677(F) 12=-677(F)

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582243
963787	T20	Monopitch	3	1	Job Reference (optional)	

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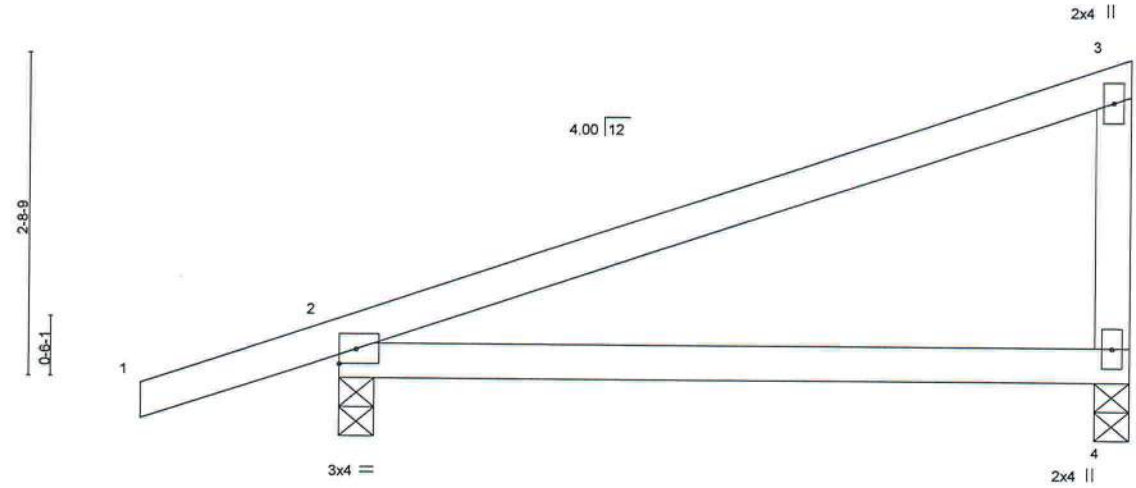

6-7-8 / 6-7-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.25	4-7	>312	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.64	Vert(TL)	-0.21	4-7	>374	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.03	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 4=228/0-3-8, 2=341/0-3-8
Max Horz 2=141(LC 8)
Max Uplift 4=-194(LC 8), 2=-272(LC 8)

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

NOTES- (6)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=194, 2=272.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582244
983787	T21	Half Hip Girder	1	1	Job Reference (optional)	

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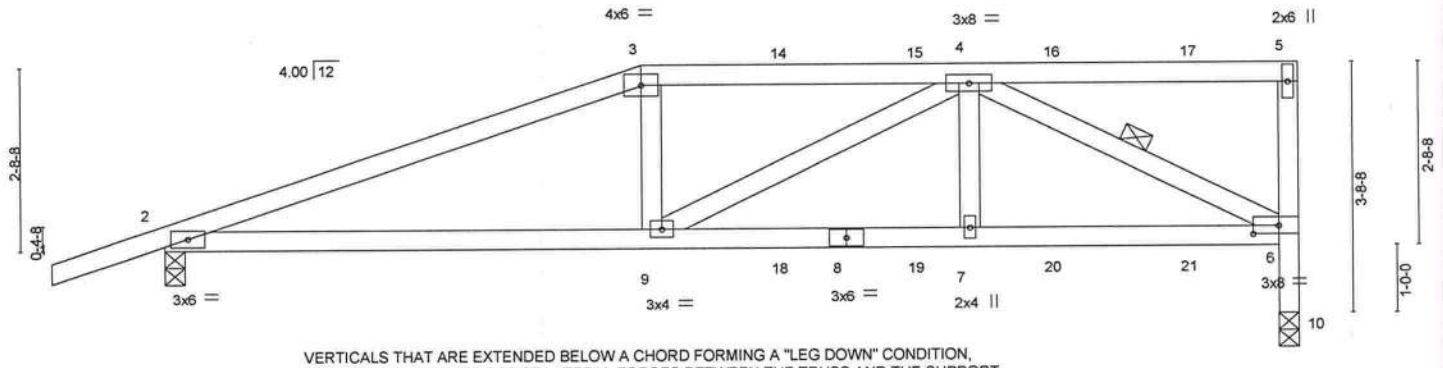
1-8-0	7-0-0	4-9-12	4-9-12

Scale = 1:32.6



VERTICALS THAT ARE EXTENDED BELOW A CHORD FORMING A "LEG DOWN" CONDITION, ARE NOT DESIGNED TO RESIST LATERAL FORCES BETWEEN THE TRUSS AND THE SUPPORT. ADDITIONAL DESIGN CONSIDERATIONS (BY OTHERS) ARE REQUIRED TO TRANSFER THESE FORCES TO THE APPROPRIATE LATERAL FORCE RESISTING ELEMENTS. (TYPICAL FOR ALL APPLICABLE "LEG DOWN" TRUSSES IN THIS JOB).

7-0-0	11-9-12	16-7-8
7-0-0	4-9-12	4-9-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(TL)	-0.20	7-9	>970	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 78 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-2 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS. (lb/size) 2=1116/0-3-8, 10=1192/0-3-8
Max Horz 2=107(LC 4)
Max Uplift 2=-736(LC 4), 10=-779(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2343/1558, 3-14=-2180/1514, 14-15=-2180/1514, 4-15=-2180/1514, 6-10=-1192/779
BOT CHORD 2-9=-1502/2165, 9-18=-1211/1825, 8-18=-1211/1825, 8-19=-1211/1825, 7-19=-1211/1825, 7-20=-1211/1825, 20-21=-1211/1825, 6-21=-1211/1825
WEBS 3-9=-201/390, 4-9=-341/400, 4-7=-172/366, 4-6=-1993/1323

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); porch left and right exposed; 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) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=736, 10=779.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 202 lb down and 219 lb up at 7-0-0, 92 lb down and 88 lb up at 9-1-1, 92 lb down and 88 lb up at 11-1-1, and 92 lb down and 88 lb up at 13-1-1, and 92 lb down and 88 lb up at 15-1-1 on top chord, and 288 lb down and 320 lb up at 7-0-0, 70 lb down and 71 lb up at 9-1-1, 70 lb down and 71 lb up at 11-1-1, and 70 lb down and 71 lb up at 13-1-1, and 70 lb down and 71 lb up at 15-1-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 6-11=-20

Concentrated Loads (lb)

Vert: 3=-155(B) 9=-288(B) 14=-92(B) 15=-92(B) 16=-92(B) 17=-92(B) 18=-46(B) 19=-46(B) 20=-46(B) 21=-46(B)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582245
983787	T22	Half Hip	1	1	Job Reference (optional)	

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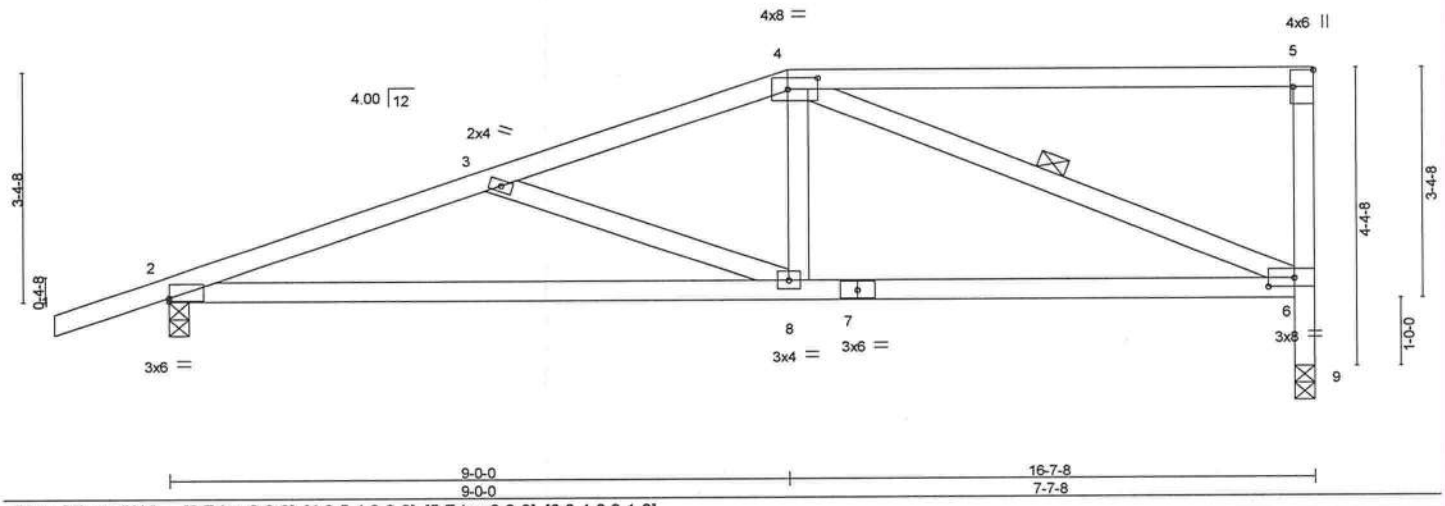

Plate Offsets (X,Y)-- [2:Edge,0-0-9], [4:0-5-4,0-2-0], [5:Edge,0-3-8], [6:0-4-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.25	8-12	>777	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(TL)	-0.27	8-12	>737	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 81 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-11-10 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS. (lb/size) 2=711/0-3-8, 9=598/0-3-8
Max Horz 2=130(LC 8)
Max Uplift 2=-419(LC 8), 9=-353(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1249/1536, 3-4=-925/1242, 6-9=-598/820
BOT CHORD 2-8=-1579/1154, 7-8=-1242/859, 6-7=-1242/859
WEBS 3-8=-326/388, 4-8=-615/390, 4-6=-864/1265

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=419, 9=353.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	T23	Half Hip	1	1	Job Reference (optional)	T10582246

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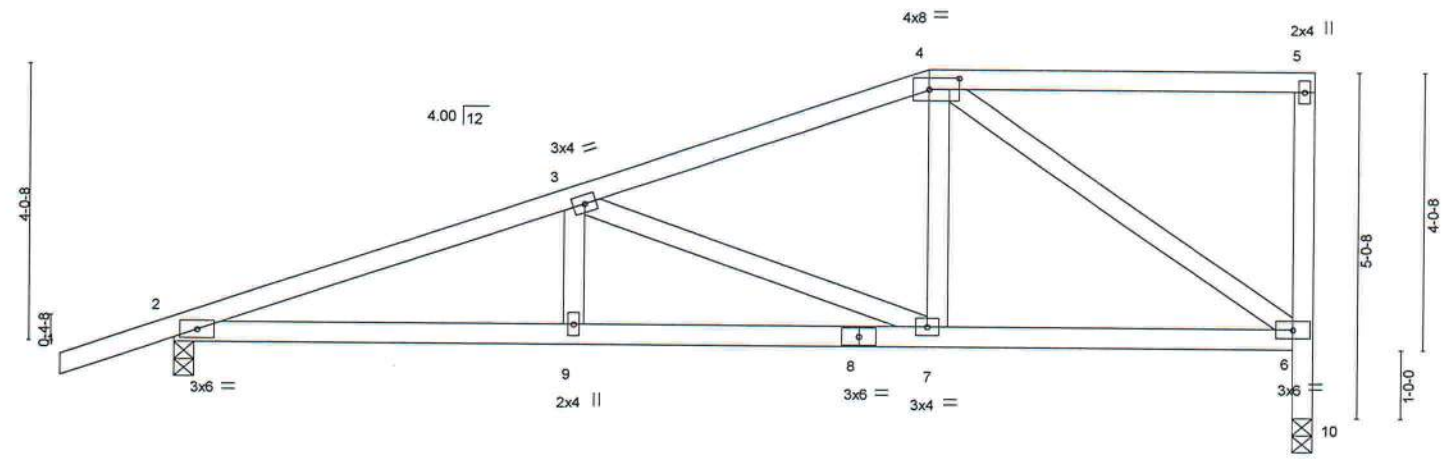
-1-8-0 / 1-8-0 — 5-10-1 / 5-10-1 — 11-0-0 / 5-1-15 — 16-7-8 / 5-7-8

Scale = 1:32.4



5-10-1 / 5-10-1 — 11-0-0 / 5-1-15 — 16-7-8 / 5-7-8

Plate Offsets (X,Y)— [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.10	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(TL)	-0.11	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	-0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 84 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-4-6 oc bracing.

REACTIONS. (lb/size) 2=711/0-3-8, 10=599/0-3-8
Max Horz 2=152(LC 8)
Max Uplift 2=-413(LC 8), 10=-358(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1256/1626, 3-4=-683/874, 6-10=-599/836
BOT CHORD 2-9=-1680/1151, 8-9=-1680/1151, 7-8=-1680/1151, 6-7=-891/617
WEBS 3-7=-585/870, 4-7=-635/382, 4-6=-718/1043, 3-9=-292/206

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=413, 10=358.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	T10582247
983787	T24	Half Hip	1	1	Job Reference (optional)	

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ID:Ad27wGdB3DlInto_ShAPXtzIZ29-?c0DbtO9H74dYNOIY_T8X0OTtltOxxhOYlinePzdc71

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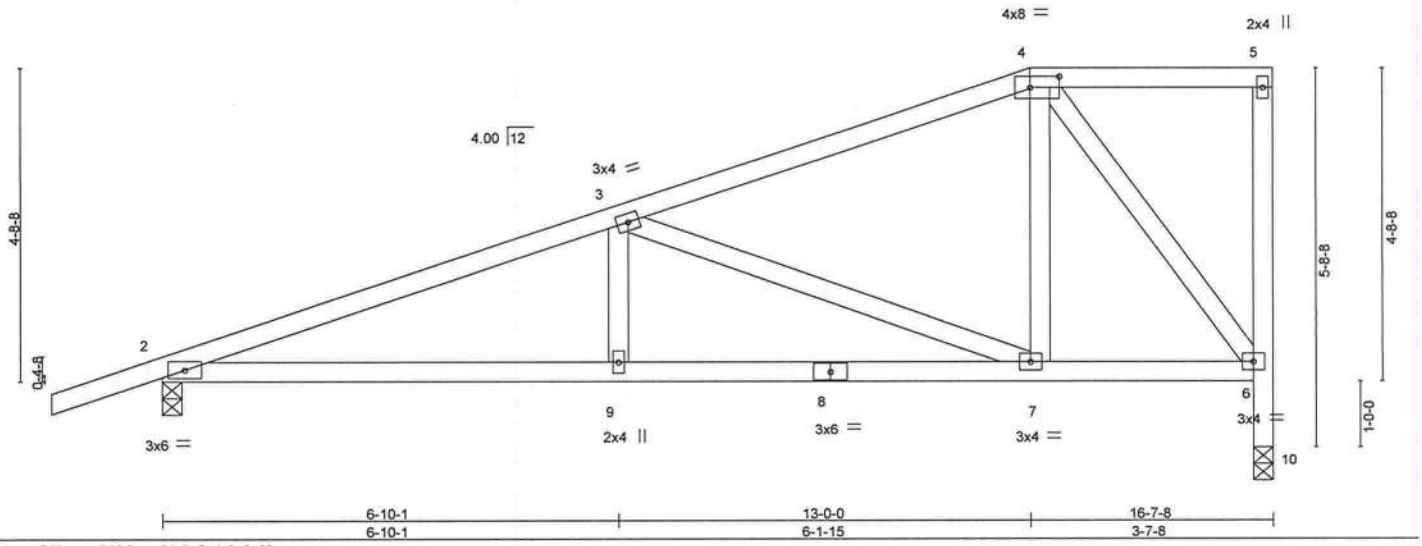
1-8-0 | 6-10-1 | 6-1-15 | 3-7-8

Scale = 1:33.3



6-10-1 | 13-0-0 | 16-7-8

6-10-1 | 6-1-15 | 3-7-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.13	9-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(TL)	-0.12	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 87 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-4-9 oc bracing.

REACTIONS. (lb/size) 2=713/0-3-8, 10=597/0-3-8
Max Horz 2=175(LC 8)
Max Uplift 2=-409(LC 8), 10=-363(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1200/1515, 3-4=-466/547, 6-10=-597/847
BOT CHORD 2-9=-1604/1092, 8-9=-1604/1092, 7-8=-1604/1092, 6-7=-584/398
WEBS 3-9=-376/264, 3-7=-754/1113, 4-7=-692/407, 4-6=-635/934

NOTES- (9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=409, 10=363.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE
983787	T25	Monopitch	14	1	T10582248
					Job Reference (optional)

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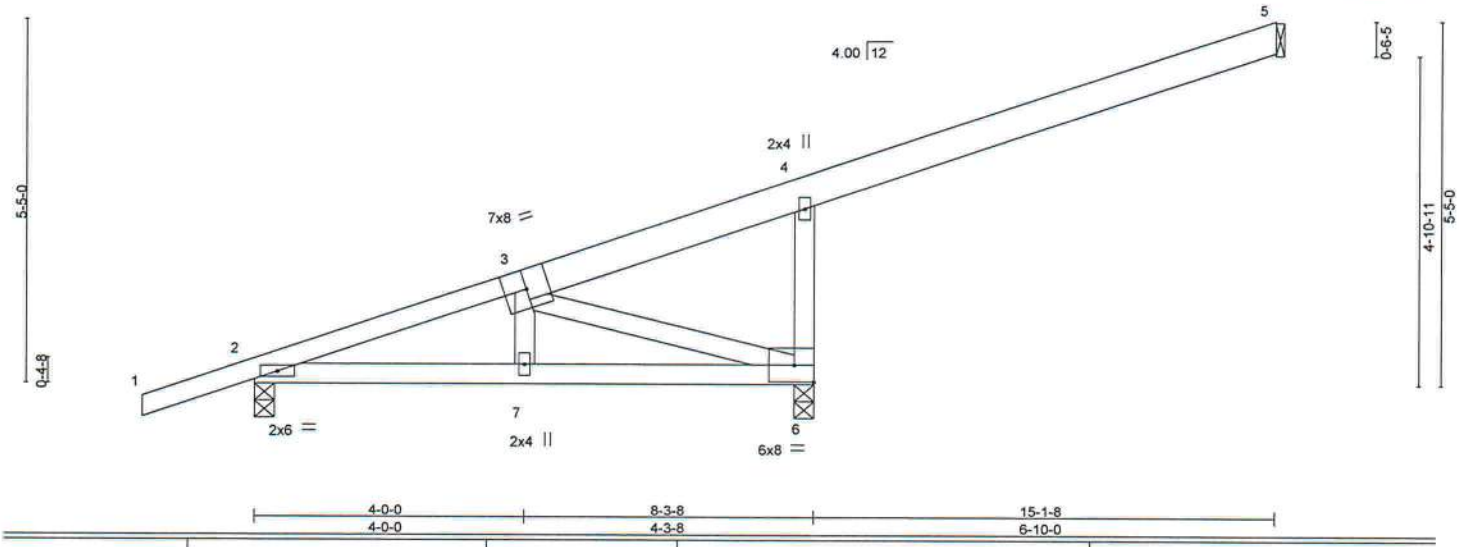
1-8-0 | 4-0-0 | 4-3-8 | 6-10-0

Scale = 1:32.8



4-0-0 | 8-3-8 | 15-1-8

4-0-0 | 4-3-8 | 6-10-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.03	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(TL)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	-0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 60 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-3: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-2 oc bracing.

REACTIONS. (lb/size) 5=149/Mechanical, 2=372/0-3-8, 6=545/0-3-8
Max Horz 2=195(LC 8)
Max Uplift 5=-82(LC 12), 2=-193(LC 8), 6=-319(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-393/417, 4-6=-389/465
BOT CHORD 2-7=-667/345, 6-7=-671/346
WEBS 3-6=-372/706, 3-7=-260/171

NOTES- (7)

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=193 , 6=319.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG01	FLAT TRUSS	1	2	Job Reference (optional)	T10582249

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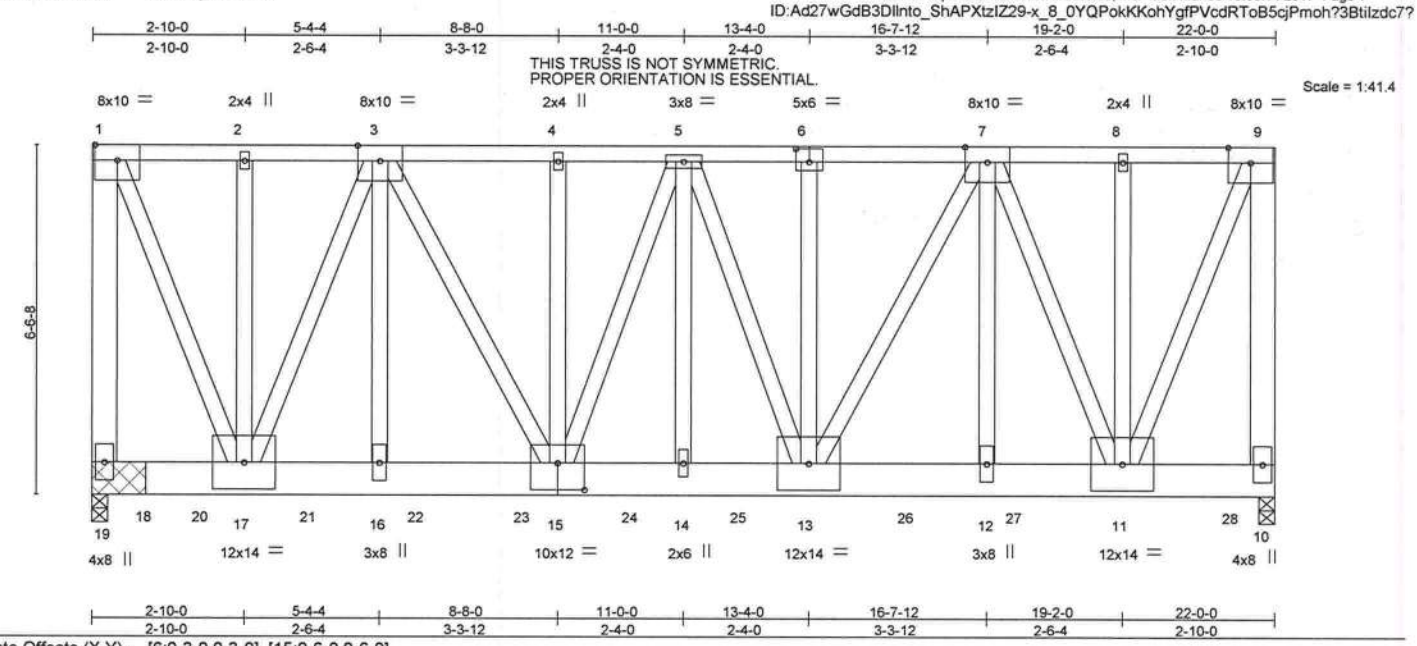

Plate Offsets (X,Y)-- [6:0-3-0,0-3-0], [15:0-6-0,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.10	14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(TL)	-0.24	14	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 530 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
1-19,9-10: 2x6 SP No.2, 1-17,3-17,7-11,9-11: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 19=6831/(0-3-8 + bearing block) (req. 0-4-4), 10=5650/0-3-8
Max Uplift 19=-864(LC 4), 10=-862(LC 4)
Max Grav 19=7164(LC 2), 10=5650(LC 1)

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

TOP CHORD 1-19=-6640/818, 1-2=-2852/342, 2-3=-2852/342, 3-4=-6744/924, 4-5=-6744/924, 5-6=-6903/1133, 6-7=-6903/1133, 7-8=-2259/354, 8-9=-2259/354, 9-10=-5278/846

BOT CHORD 17-21=-634/4969, 16-21=-634/4969, 16-22=-634/4969, 22-23=-634/4969, 15-23=-634/4969, 15-24=-1062/7072, 14-24=-1062/7072, 14-25=-1062/7072, 13-25=-1062/7072, 13-26=-719/4424, 12-26=-719/4424, 12-27=-719/4424, 11-27=-719/4424

WEBS 1-17=-850/7105, 3-17=-5538/765, 3-16=-93/1686, 3-15=-607/3717, 5-15=-1132/385, 5-14=-113/1159, 5-13=-549/65, 7-13=-865/5228, 7-12=-37/523, 7-11=-5670/956, 9-11=-880/5629

NOTES- (11)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-13 2x4 - 1 row at 0-6-0 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) 2x8 SP 2400F 2.0E bearing block 12" long at jt. 19 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.2.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=864, 10=862.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

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NOTES- (11)

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1221 lb down and 82 lb up at 2-0-12, 1221 lb down and 82 lb up at 4-0-12, 1221 lb down and 82 lb up at 6-0-12, 1221 lb down and 82 lb up at 8-0-12, 1221 lb down and 82 lb up at 10-0-12, 1221 lb down and 82 lb up at 12-0-12, 3816 lb down and 1010 lb up at 13-3-3, 181 lb down at 15-2-5, 181 lb down at 17-2-5, and 181 lb down at 19-2-5, and 185 lb down at 21-2-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-9=-54, 10-19=-20

Concentrated Loads (lb)

Vert: 13=-3816(B) 11=-138(B) 20=-1086(B) 21=-1086(B) 22=-1086(B) 23=-1086(B) 24=-1086(B) 25=-1086(B) 26=-138(B) 27=-138(B) 28=-143(B)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG02	FLAT TRUSS	1	2	Job Reference (optional)	T10582250

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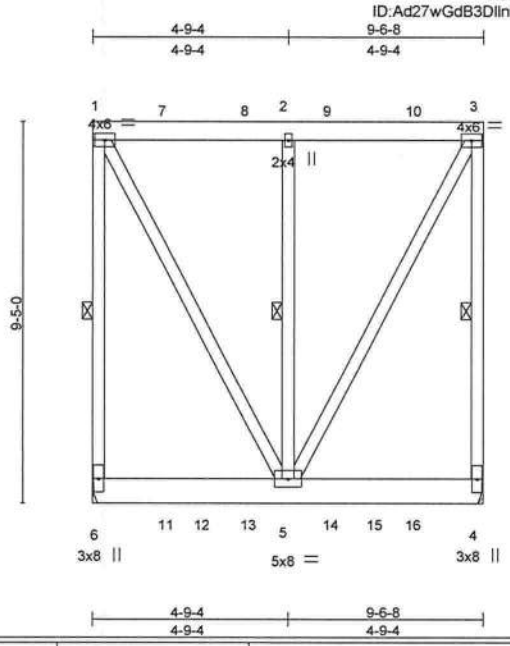

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.03	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.12	Vert(TL)	-0.06	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 234 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-6, 3-4, 2-5

REACTIONS. (lb/size) 6=3711/Mechanical, 4=3745/Mechanical
Max Uplift 6=-1098(LC 4), 4=-1109(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-3222/918, 1-7=-1196/358, 7-8=-1196/358, 2-8=-1196/358, 2-9=-1196/358, 9-10=-1196/358, 3-10=-1196/358, 3-4=-3242/921
WEBS 1-5=-765/2554, 2-5=-3417/794, 3-5=-765/2553

NOTES- (12)
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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide metal plate or equivalent at bearing(s) 6, 4 to support reaction shown.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=1098, 4=1109.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 635 lb down and 127 lb up at 1-9-11, 635 lb down and 127 lb up at 3-9-11, and 635 lb down and 127 lb up at 5-9-11, and 635 lb down and 127 lb up at 7-9-11 on top chord, and 480 lb down and 261 lb up at 1-9-11, 480 lb down and 261 lb up at 3-9-11, and 480 lb down and 261 lb up at 5-9-11, and 480 lb down and 261 lb up at 7-9-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2

MiTek
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Tampa, FL 36610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-3=-304, 4-6=-20
   Concentrated Loads (lb)
   Vert: 7=-635 8=-635 9=-635 10=-635 11=-480(F) 13=-480(F) 14=-480(F) 16=-480(F)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG03	FLAT TRUSS	1	2	Job Reference (optional)	T10582251

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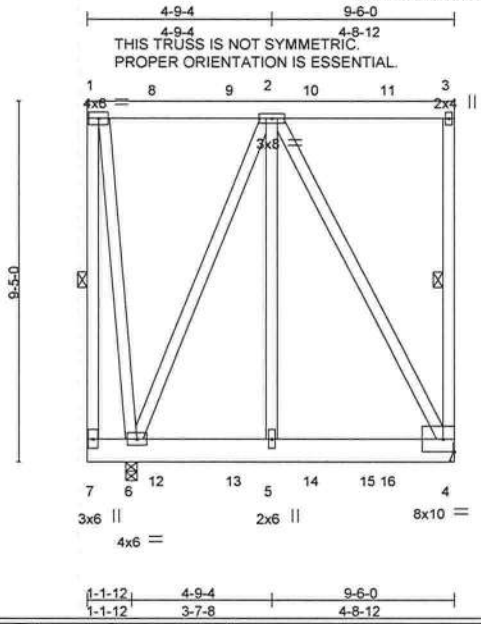

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.96	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.15	Vert(TL)	-0.04	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 257 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-7, 3-4

REACTIONS. (lb/size) 6=3648/0-3-8, 4=3307/Mechanical
Max Uplift 6=-1265(LC 4), 4=-1109(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-566/227, 3-4=-913/231
BOT CHORD 6-12=-304/902, 12-13=-304/902, 5-13=-304/902, 5-14=-304/902, 14-15=-304/902, 15-16=-304/902, 4-16=-304/902
WEBS 1-6=-356/70, 2-6=-2484/805, 2-5=-510/733, 2-4=-1939/655

NOTES- (12)
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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide metal plate or equivalent at bearing(s) 4 to support reaction shown.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=1265, 4=1109.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 625 lb down and 130 lb up at 1-9-3, 625 lb down and 130 lb up at 3-9-3, and 625 lb down and 130 lb up at 5-9-3, and 625 lb down and 130 lb up at 7-9-3 on top chord, and 185 lb down and 241 lb up at 1-9-3, 185 lb down and 241 lb up at 3-9-3, and 185 lb down and 241 lb up at 5-9-3, and 185 lb down and 241 lb up at 7-9-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE
983787	TG03	FLAT TRUSS	1	2	T10582251
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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ID:Ad27wGdB3DlInto_ShAPXtzIZ29-tNGkRERfKLa21?i3nqX4isY22vJltgV_TNg_mAzdc6z

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-304(F=-250), 5-7=-20, 4-5=-220(B=-200)

Concentrated Loads (lb)

Vert: 8=-625 9=-625 10=-625 11=-625 12=-138(B) 13=-138(B) 14=-138(B) 16=-138(B)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG04	ROOF TRUSS	3	1	Job Reference (optional)	T10582252

Builders FirstSource, Lake City, FL 32055

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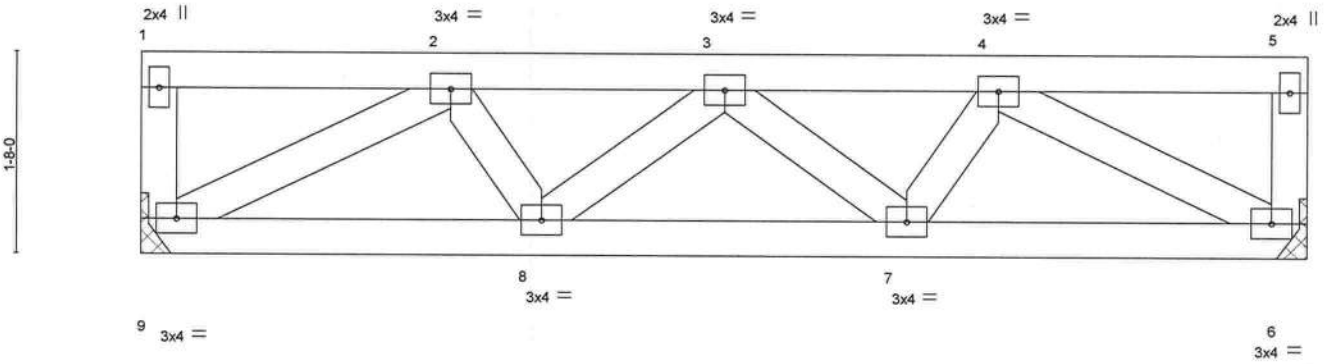

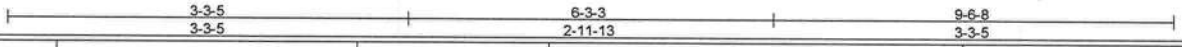

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(TL)	-0.03	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 48 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-5-5 oc bracing.

REACTIONS. (lb/size) 9=509/Mechanical, 6=509/Mechanical
Max Uplift 9=-90(LC 8), 6=-90(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-746/329, 3-4=-746/329
BOT CHORD 8-9=-309/673, 7-8=-393/864, 6-7=-309/673
WEBS 2-9=-746/344, 4-6=-746/344

NOTES- (8)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG05	ROOF TRUSS	3	1	Job Reference (optional)	T10582253

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ID:Ad27wGdB3DIlnto_ShAPXtzIZ29-LZq6eaSI5fjvf9HFKX3JE35QDJflcJd7h1PXIczdc6y

2-4-3	4-3-15	6-3-12	8-7-15
2-4-3	1-11-12	1-11-12	2-4-3

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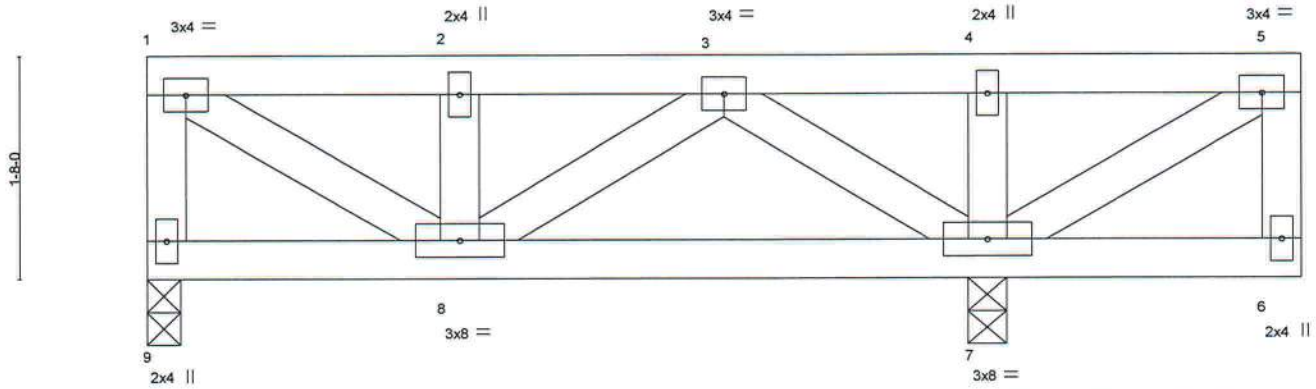

TRUSS IS NOT DESIGNED TO SUPPORT CONCENTRATED LOADS AT ITS CANTILEVERED END(S).

2-4-3	6-3-12	6-5-7	8-7-15
2-4-3	3-11-9	0-1-12	2-2-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(TL)	-0.01	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 45 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 9=296/0-3-0, 7=625/0-3-8
Max Uplift 9=-52(LC 8), 7=-111(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-280/138, 1-2=-302/137, 2-3=-302/137
WEBS 1-8=-150/333, 3-7=-423/216

NOTES- (7)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 7=111.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG06	Flat Girder	1	2	Job Reference (optional)	T10582254

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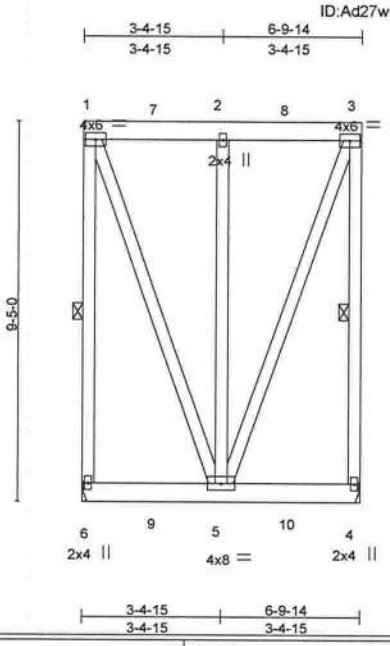

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.01	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.00	BC	0.25	Vert(TL)	-0.03	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 193 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-6, 3-4

REACTIONS. (lb/size) 6=1956/Mechanical, 4=1956/Mechanical
Max Uplift 6=-598(LC 4), 4=-598(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1709/507, 1-7=-498/154, 2-7=-498/154, 2-8=-498/154, 3-8=-498/154, 3-4=-1709/507
WEBS 1-5=-451/1453, 2-5=-1655/327, 3-5=-451/1453

NOTES- (11)
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, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope); 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=598, 4=598.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 663 lb down and 129 lb up at 1-9-11, and 663 lb down and 129 lb up at 3-4-15, and 663 lb down and 129 lb up at 5-0-3 on top chord, and 480 lb down and 261 lb up at 1-9-11, and 480 lb down and 261 lb up at 3-4-15, and 480 lb down and 261 lb up at 5-0-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-54, 4-6=-20

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE
983787	TG06	Flat Girder	1	2	T10582254
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 5=-480(F) 2=-663 7=-663 8=-663 9=-480(F) 10=-480(F)

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG07	Flat	2	1	Job Reference (optional)	T10582255

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ID:Ad27wGdB3DIInto_ShAPXtzIZ29-pmOVrwTwszrmGIsSuFaYnHdZEjwnLmnHwh95q3zdc6x

3-4-15 | 6-9-14

3-4-15 | 3-4-15

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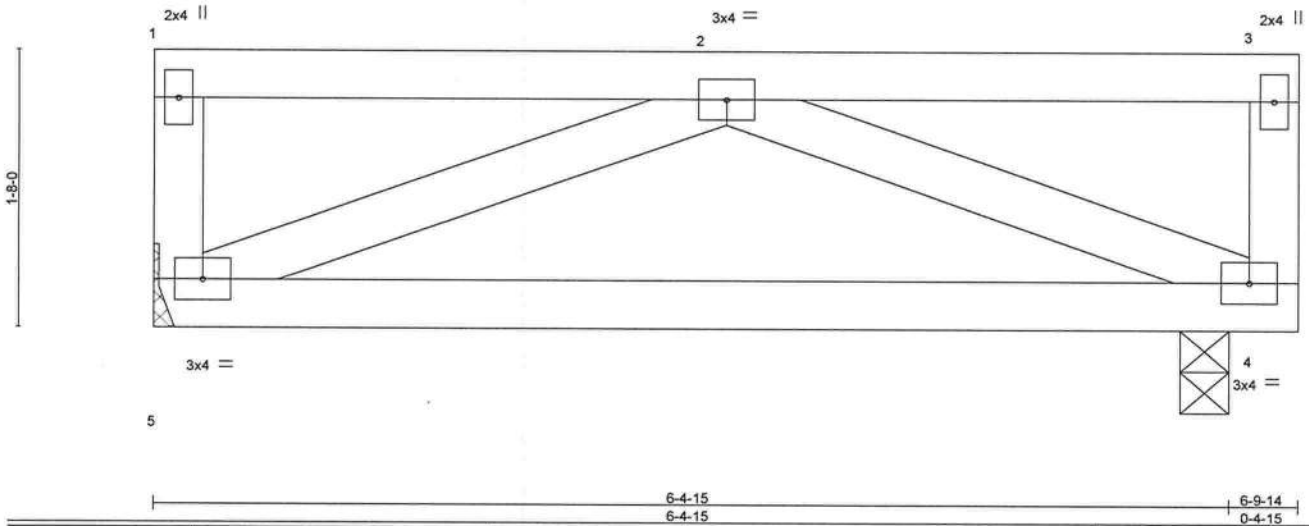

6-4-15 | 6-9-14

6-4-15 | 0-4-15

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.11	4-5	>718	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(TL)	-0.19	4-5	>410	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=359/Mechanical, 4=359/0-3-8
Max Uplift 5=-64(LC 8), 4=-64(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-300/472
WEBS 2-5=-513/325, 2-4=-513/325

NOTES- (8)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE - LOT 112 PRESERVE	
983787	TG08	FLAT	12	1	Job Reference (optional)	T10582256

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ID:Ad27wGdB3DIlnto_ShAPXtzIZ29-pmOVrwTwszrmGIsSuFaYnHdXVjwnLlHwh95q3zdc6x

3-4-15 / 3-4-15 — 6-9-14 / 3-4-15

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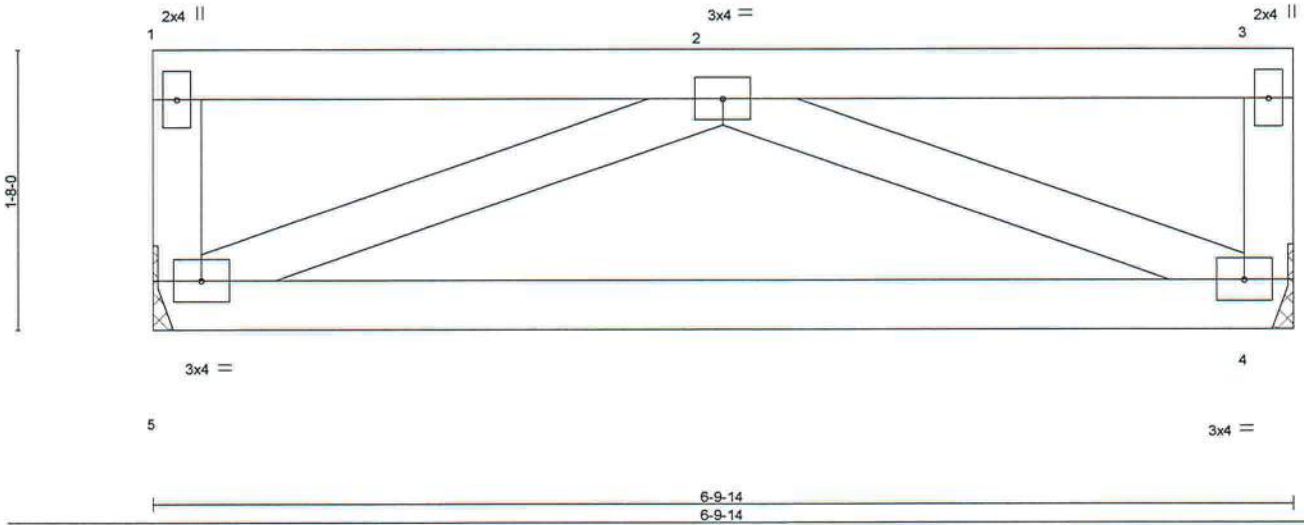

6-9-14 / 6-9-14

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	60.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.11	4-5	>718	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.44	Vert(TL)	-0.19	4-5	>410	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2014/TPI2007		(Matrix-M)							Weight: 33 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=490/Mechanical, 4=490/Mechanical
Max Uplift 5=-64(LC 8), 4=-64(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-300/661
WEBS 2-5=-718/325, 2-4=-718/325

NOTES- (8)
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

MiTek
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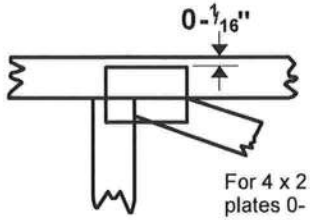
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION

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



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

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION

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

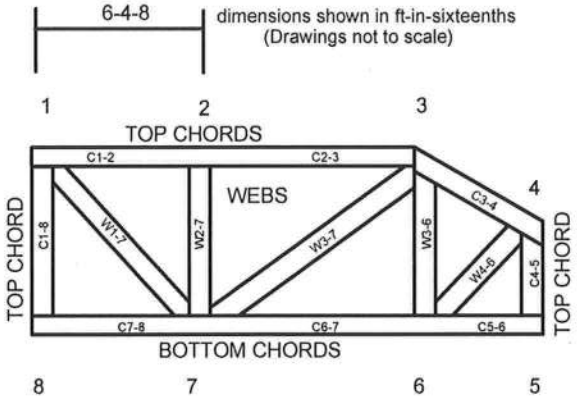
BEARING

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

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek®

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

MiTek USA, Inc.

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

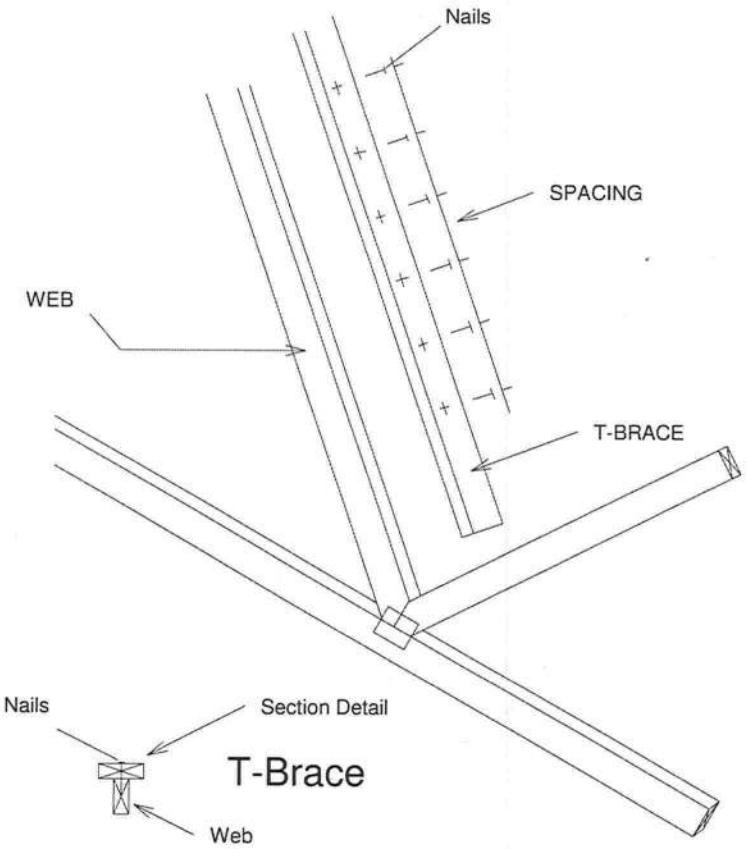
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

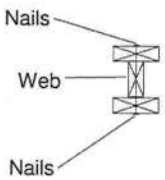
	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	Brace Size for Two-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.



T-Brace



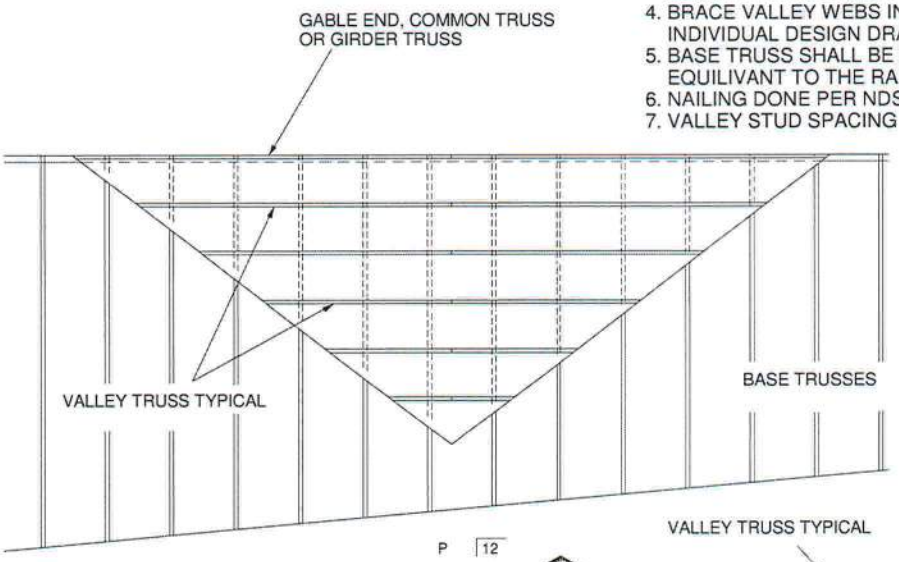
I-Brace

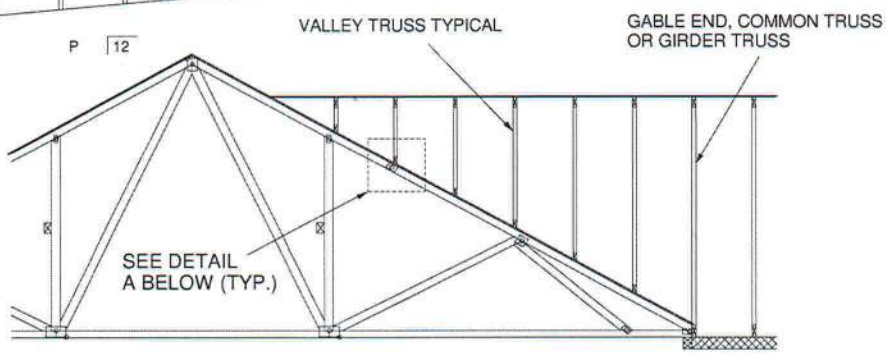
FEBRUARY 14, 2012	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

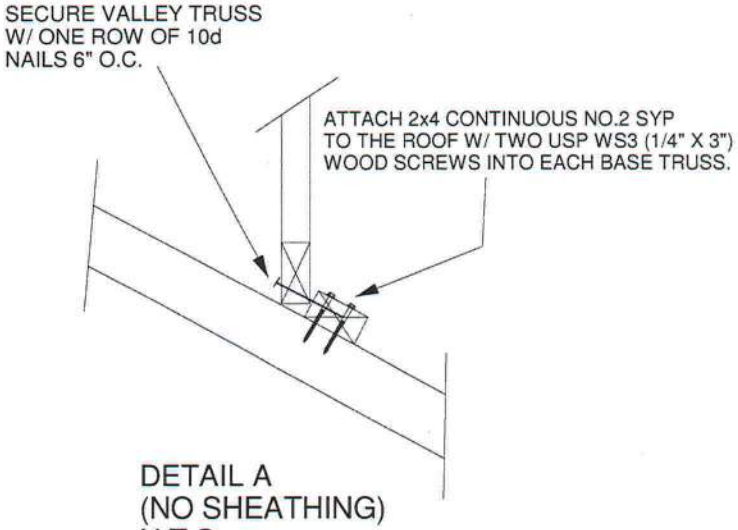
MiTek USA, Inc.

GENERAL SPECIFICATIONS

1. NAIL SIZE = 3" X 0.131" = 10d
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
   DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND
   SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE
   INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING
   EQUILIVANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.







DETAIL A
(NO SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES

JANUARY 28, 2015	LATERAL TOE-NAIL DETAIL	ST-TOENAIL_SP

MiTek USA, Inc.

NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

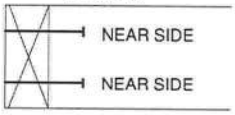
EXAMPLE:
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

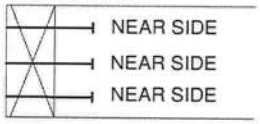
THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

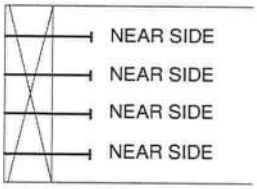
SIDE VIEW
(2x3)
2 NAILS

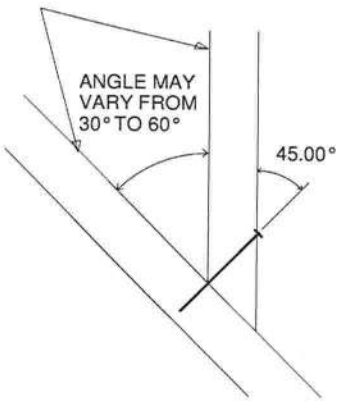


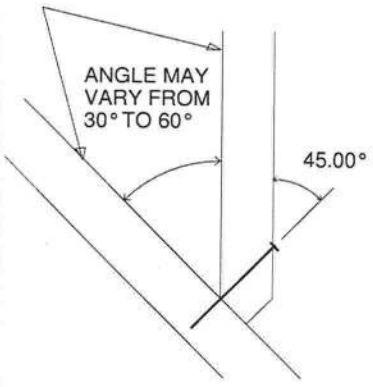
SIDE VIEW
(2x4)
3 NAILS

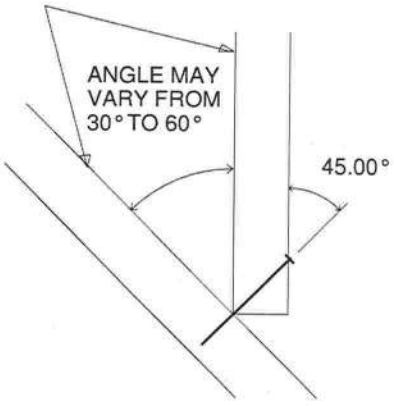


SIDE VIEW
(2x6)
4 NAILS









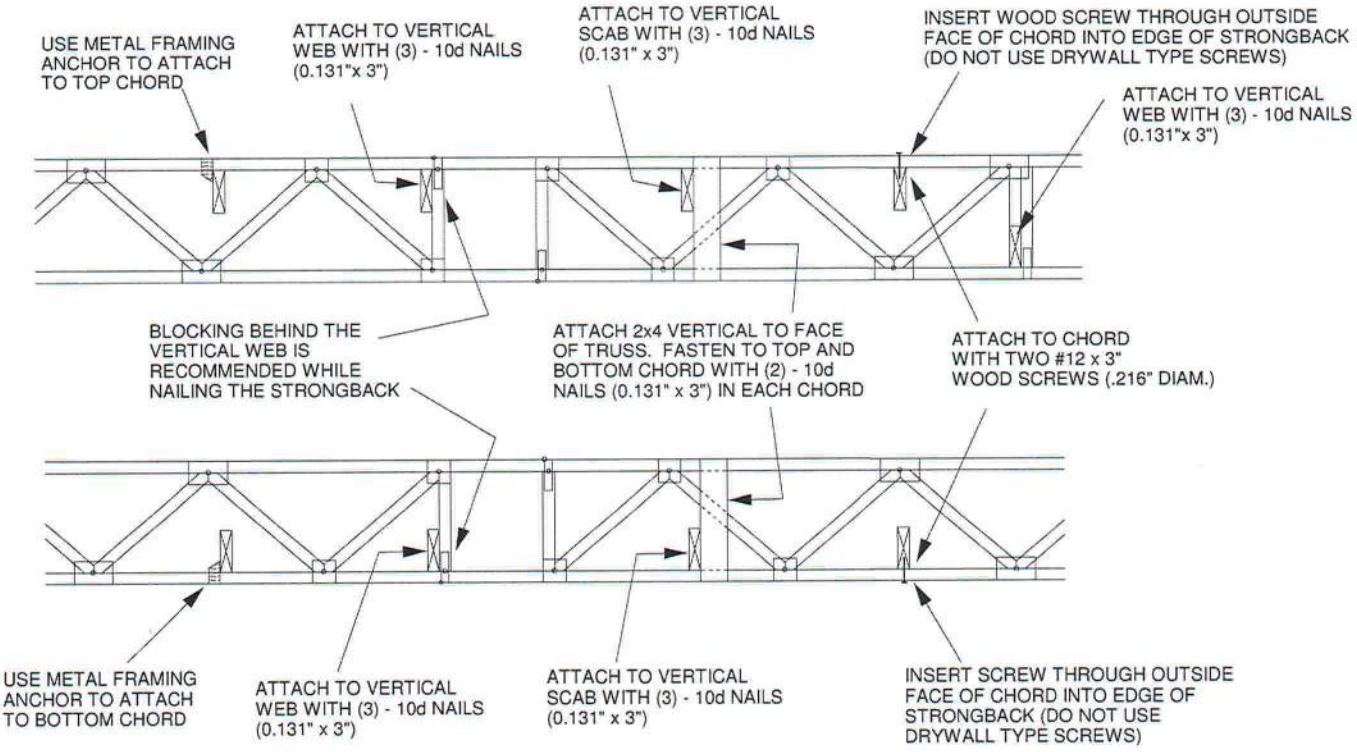
FEBRUARY 8, 2008	LATERAL BRACING RECOMMENDATIONS	ST-STRGBCK

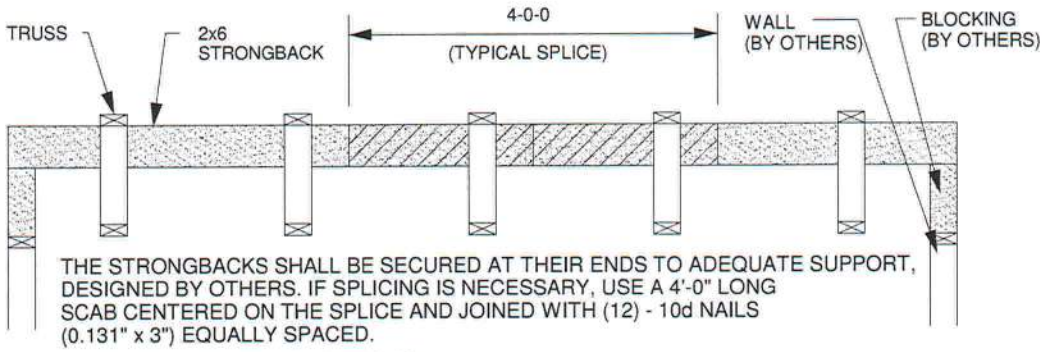
MiTek USA, Inc.

TO MINIMIZE VIBRATION COMMON TO ALL SHALLOW FRAMING SYSTEMS, 2x6 "STRONGBACK" IS RECOMMENDED, LOCATED EVERY 8 TO 10 FEET ALONG A FLOOR TRUSS.

NOTE 1: 2X6 STRONGBACK ORIENTED VERTICALLY MAY BE POSITIONED DIRECTLY UNDER THE TOP CHORD OR DIRECTLY ABOVE THE BOTTOM CHORD. SECURELY FASTENED TO THE TRUSS USING ANY OF THE METHODS ILLUSTRATED BELOW.

NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.





THE STRONGBACKS SHALL BE SECURED AT THEIR ENDS TO ADEQUATE SUPPORT, DESIGNED BY OTHERS. IF SPLICING IS NECESSARY, USE A 4'-0" LONG SCAB CENTERED ON THE SPLICE AND JOINED WITH (12) - 10d NAILS (0.131" x 3") EQUALLY SPACED.

ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d NAILS (0.131" x 3") STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)

FEBRUARY 14, 2012	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	ST-PIGGY-7-10

MiTek USA, Inc.

MiTek USA, Inc.

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E MAX MEAN ROOF HEIGHT = 30 FEET MAX TRUSS SPACING = 24 " O.C. CATEGORY II BUILDING EXPOSURE B or C ASCE 7-10 DURATION OF LOAD INCREASE : 1.60
DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED.

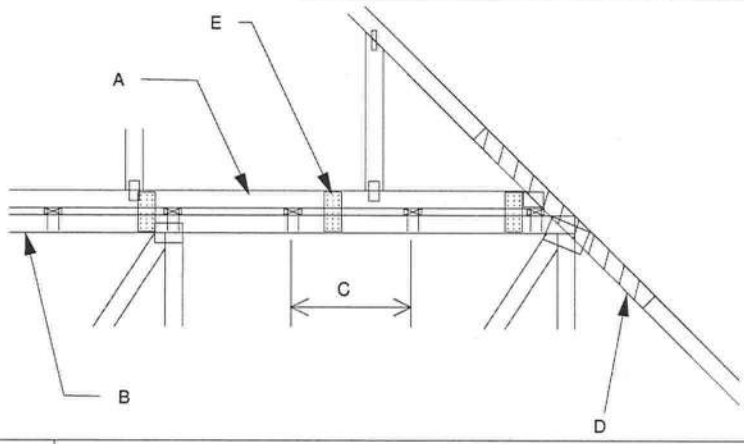
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.

B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.

C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) 0.131" X 3.5" NAILS EACH.

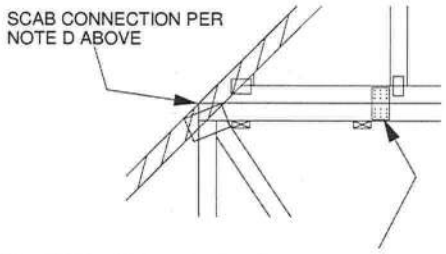
D - 2 X ___ X 4'-0" SCAB, SIZE AND GRADE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF 0.131" X 3" NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)

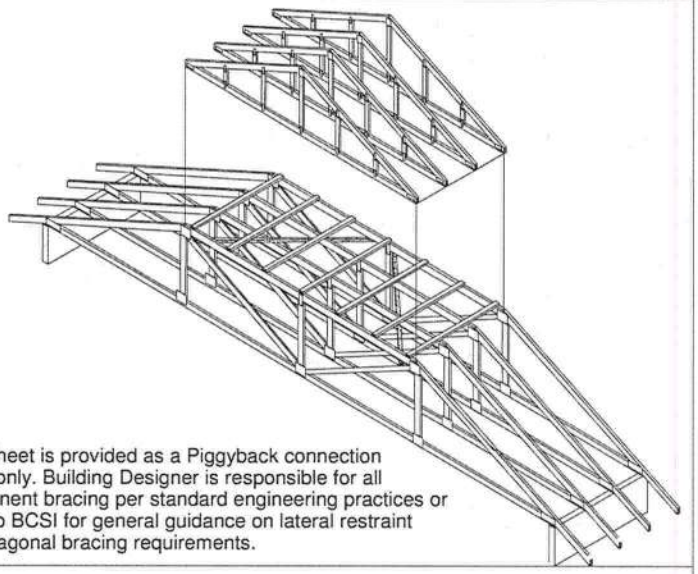


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

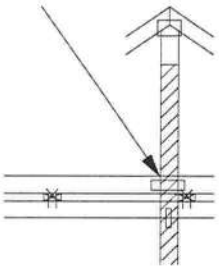


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK

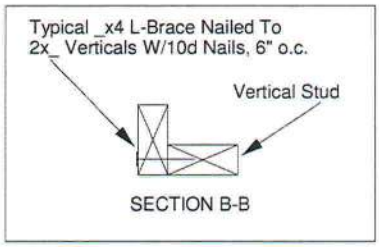


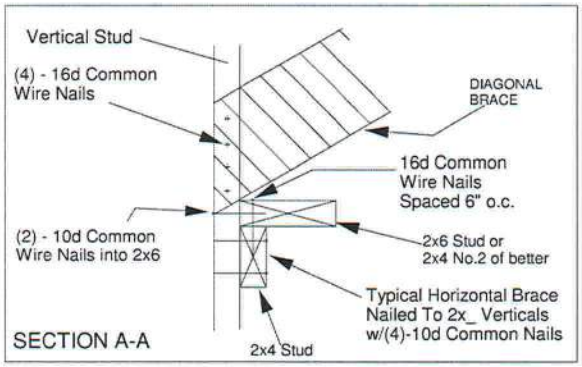
FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

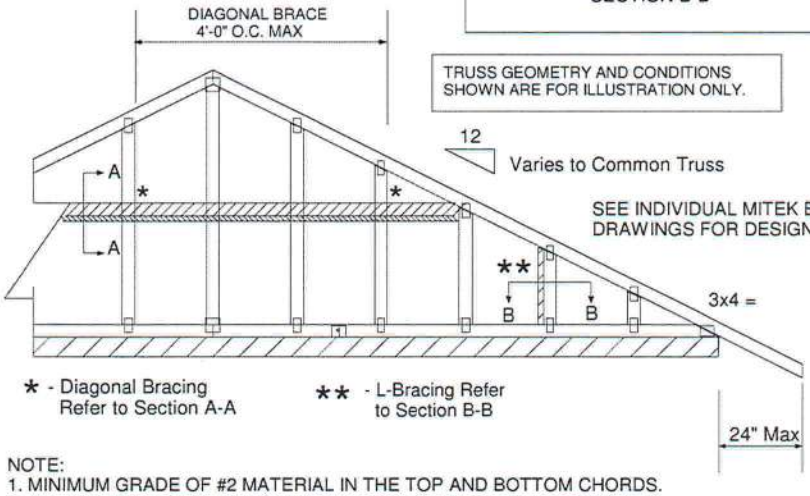
1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.

FEBRUARY 14, 2012	Standard Gable End Detail	ST-GE130-001

MiTek USA, Inc.







TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

12 Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

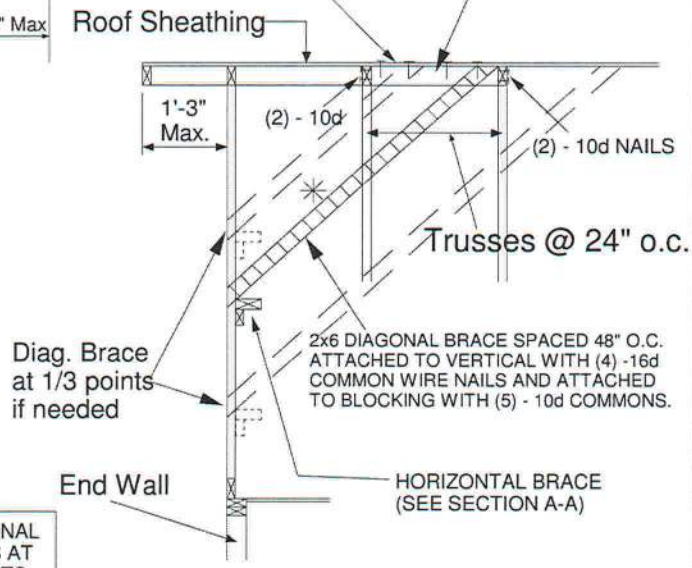
* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

24" Max

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d COMMON WIRE NAILS.

(4) - 8d NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SPF Std/Stud	12" O.C.	4-0-7	4-3-2	6-0-4	8-0-15	12-1-6
2x4 SPF Std/Stud	16" O.C.	3-7-0	3-8-4	5-2-10	7-1-15	10-8-15
2x4 SPF Std/Stud	24" O.C.	2-11-1	3-0-2	4-3-2	5-10-3	8-9-4

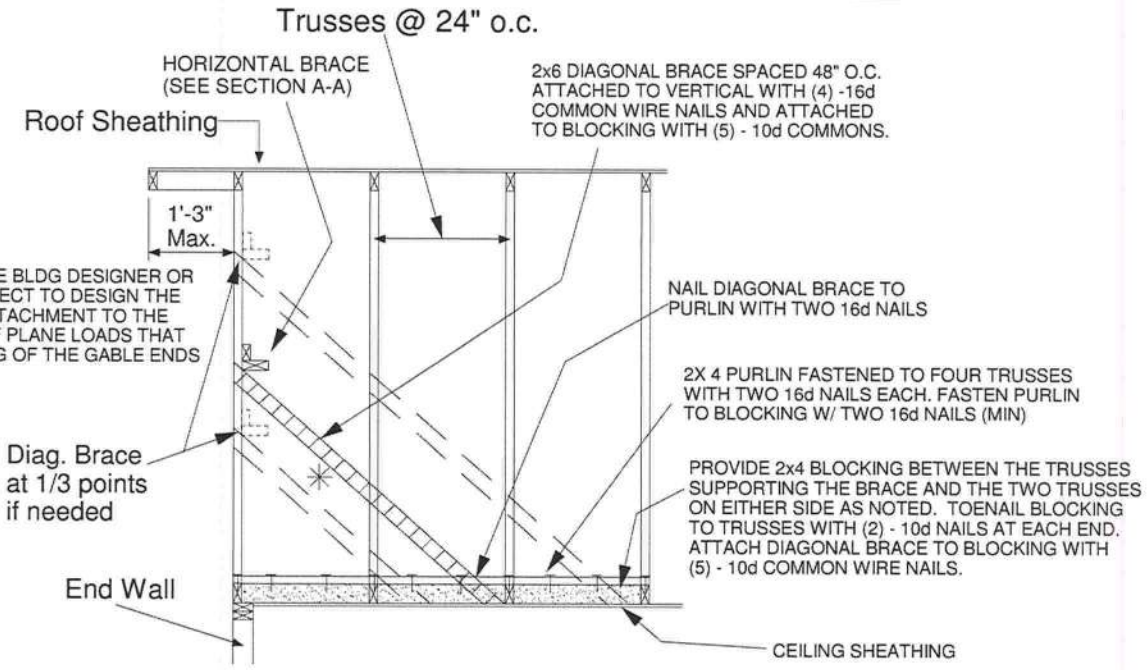
✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

MiTek USA, Inc.

ALTERNATE DIAGONAL BRACING TO THE BOTTOM CHORD



BRACING REQUIREMENTS FOR STRUCTURAL GABLE TRUSSES

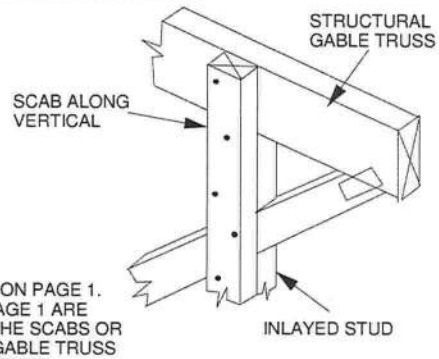
STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED:

METHOD 1 : ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.

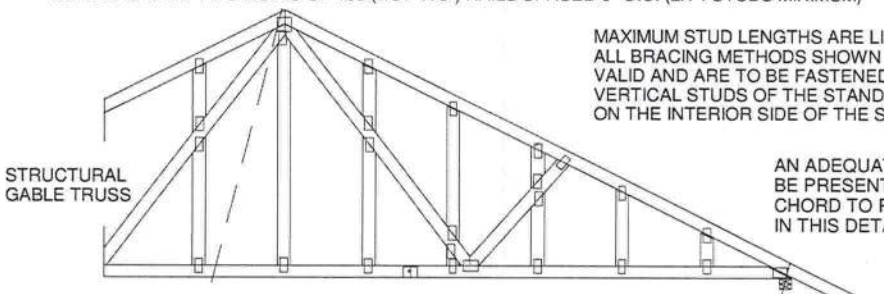
METHOD 2 : ATTACH 2X _ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

NAILING SCHEDULE:

- FOR WIND SPEEDS 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) OR LESS, NAIL ALL MEMBERS WITH ONE ROW OF 10d (.131" X 3") NAILS SPACED 6" O.C.
- FOR WIND SPEEDS GREATER 120 MPH (ASCE 7-98, 02, 05), 150 MPH (ASCE 7-10) NAIL ALL MEMBERS WITH TWO ROWS OF 10d (.131" X 3") NAILS SPACED 6" O.C. (2X 4 STUDS MINIMUM)

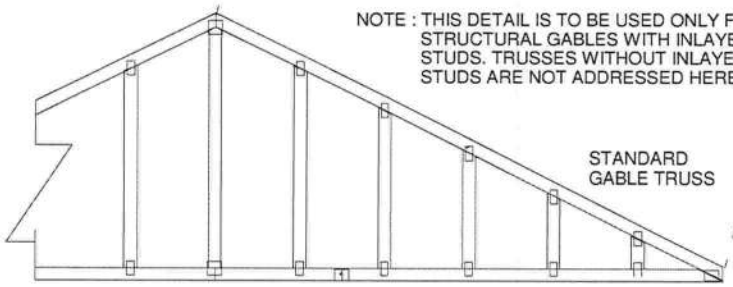


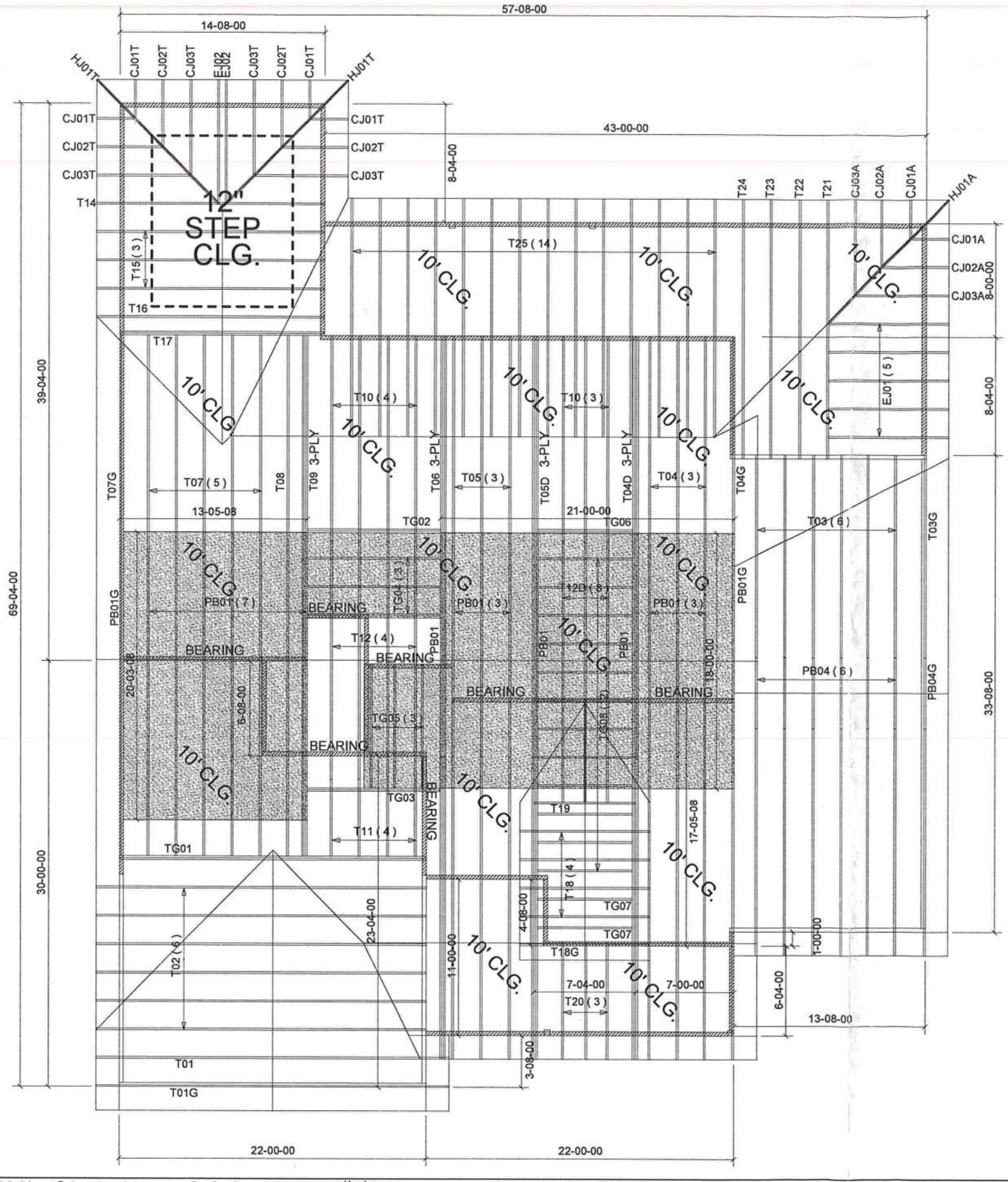
MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.



AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL/STUDS ONLY.

NOTE : THIS DETAIL IS TO BE USED ONLY FOR STRUCTURAL GABLES WITH INLAYED STUDS. TRUSSES WITHOUT INLAYED STUDS ARE NOT ADDRESSED HERE.





8/12 - 4/12 PITCH
20" O/H

SOME CEILINGS FRAMED DOWN BY BLDR.

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYERHAUSER PRODUCT #'s 1630.2 - 1630.10

BEARING HEIGHT SCHEDULE

	9' 1-1/8"
	10' 1-1/8"

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

Builders FirstSource

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Tampa
PHONE: 813-621-9831 FAX: 813-628-8956

Freeport
PHONE: 850-835-4541 FAX: 850-835-6835

BUILDER: AARON SIMQUE

LEGAL ADDRESS: LOT 112 THE PRESERVE

MODEL:		Revision:
BRIST-OL		Rev. By:
DATE: 3-5-17	DRAWN BY: KLH	Original Reference #: 983787
1st Level Job #:	2nd Level Job #:	Roof Job #: 983787

DATE 03/28/2017

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000035105

APPLICANT LORA DAVID PHONE 365-5671

ADDRESS 426 SW COMMERCE DR STE 130 LAKE CITY FL 32025

OWNER THE PERSERVE AT LAUREL LAKE INC PHONE 755-0757

ADDRESS 437 SW ROSEMARY DR LAKE CITY FL 32024

CONTRACTOR AARON SIMQUE PHONE 867-5395

LOCATION OF PROPERTY 90 W, L CR-252-B, R ROSEMARY DR, 3RD ON RIGHT PASS
THE CLUBHOUSE

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 216700.00

HEATED FLOOR AREA 3119.00 TOTAL AREA 4334.00 HEIGHT ____ STORIES 2

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH ____ FLOOR SLAB

LAND USE & ZONING PRD MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X SP DEVELOPMENT PERMIT NO. ____

PARCEL ID 03-4S-16-02731-112 SUBDIVISION PERZERVE AT LAURLE LAKE

LOT 112 BLOCK ____ PHASE ____ UNIT 1 TOTAL ACRES 0.33

000002394	____	R282811879	Lora David	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
WAIVER	CITY	BS	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

Time/STUP No.

COMMENTS: MINIMUM FLOOR ELEVATION SET AT 116.3' PER PLAT, NEED ELEVATION
CONFIRMATION LETTER AT SLAB, HOME BEING PLACED OUT OF FLOOD ZONE
PER SITE PLAN Check # or Cash 5022

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by Foundation ____ date/app. by Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by Slab ____ date/app. by Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by Peri. beam (Lintel) ____ date/app. by Pool ____ date/app. by

Permanent power ____ date/app. by C.O. Final ____ date/app. by Culvert ____ date/app. by

Pump pole ____ date/app. by Utility Pole ____ date/app. by M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Reconnection ____ date/app. by RV ____ date/app. by Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 1085.00 CERTIFICATION FEE $ 21.67 SURCHARGE FEE $ 21.67

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $ ____

PLAN REVIEW FEE $ 271.00 DP & FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 1474.34

INSPECTORS OFFICE ____ CLERKS OFFICE ____

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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 THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.