DATE 07/14/2017

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000035557

APPLICANT DAVID SIMQUE PHONE 386-867-0294

ADDRESS PO BOX 2962 LAKE CITY FL 32056

OWNER DAVID SIMQUE PHONE 386-867-0294

ADDRESS 518 SW LITTLE RD LAKE CITY FL 32024

CONTRACTOR DAVID SIMQUE PHONE 386-867-0294

LOCATION OF PROPERTY 47 S, L WALTER RD, L LITTLE RD, CROSS ROSE CREEK THEN FIRST ON RIGHT

TYPE DEVELOPMENT GARAGE/ROOM ADDITION ESTIMATED COST OF CONSTRUCTION 46200.00

HEATED FLOOR AREA 348.00 TOTAL AREA 924.00 HEIGHT STORIES 2

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 01-5S-16-03401-102 SUBDIVISION RIVERS MANOR LOTS

LOT 2 3 BLOCK PHASE UNIT TOTAL ACRES

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CGC1516165	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident	Time/STUP No.
EXISTING	17-0452	BS	TC	N	

COMMENTS: NOC ON FILE, ADDITION TO EXISTING HOME

Check # or Cash 2425

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 $ 235.00 CERTIFICATION FEE $ 4.62 SURCHARGE FEE $ 4.62

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

PLAN REVIEW FEE $ 59.00 DP & FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 378.24

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.

ck 2425

Columbia County Remodel Permit Application

For Office Use Only Application # 1706-101 Date Received 6-29-17 By LH Permit # 35557

Zoning Official [signature] Date 7-13-17 Flood Zone X Land Use A Zoning A-3

FEMA Map # _____ Elevation _____ MFE 1' above River _____ Plans Examiner T.C. Date 7-11-17

Comments _____

☑ NOC ☑ Deed or PA ☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor

☐ F W Comp. letter ☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☑ App Fee Paid

☑ Site Plan ☐ Env. Health Approval 17-0452 ☑ Sub VF Form ☑ Ruinbolt -724 Lic type ☑ Durham -1611 Lic type

Applicant (Who will sign/pickup the permit) David Simque Fax _____ Phone 386-867-0294

Address PO Box 2962 Lake City, Fl. 32056

Owners Name David Simque Phone 386-867-0294

911 Address 518 SW Little Rd. Lake City, Fl. 32024

Contractors Name David Simque Phone 386-867-0294

Address PO Box 2962 Lake City, Fl. 32056

Contractor Email david@simque.com ***Include to get updates on this job.

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Ridgepoint Design -

Mortgage Lenders Name & Address NA

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

Property ID Number 015516-034-01-102 Estimated Construction Cost 30,000.00

Subdivision Name Rivers Manor Lots 2+3 Lot 2+3 Block ____ Unit ____ Phase ____

Driving Directions from a Major Road 47 S Left on Walter Rd, Left on Little Rd

Cross Rose Creek, First House on Right

Construction of Garage Addition ____ Commercial OR X Residential

Type of Structure (House; Mobile Home; Garage; Exxon) Garage

Use/Occupancy of the building now _____ Is this changing _____

If Yes, Explain, Proposed Use/Occupancy _____

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

Entrance Changes (Ingress/Egress) ____ If Yes, Explain Second Floor Bonus Room - Bed + Bath

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) 348 Heated 924 total

Lft - Left Message 7-3-17 spoke to David 7-12-17 / Left Message 7-14-17

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.

David Simonis — **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 CGC1516165
Columbia County
Competency Card Number 529

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 26th **day of** June **20**17.

Personally known____ **or Produced Identification** FL Drivers License

Gayathri Shaw — **State of Florida Notary Signature (For the Contractor)**

SEAL:

GAYATHRI SHAW
Notary Public – State of Florida
Commission # GG 110489
My Comm. Expires Jun 1, 2021

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1706-101 JOB NAME David Singue

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

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

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

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

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

			Need
ELECTRICAL ☐ CC# 724	Print Name Lynn Rainbolt	Signature Lynn Rainbolt	☐ Lic ☑ Liab ☑ W/C ☐ EX ☐ DE
	Company Name: Rainbolt Tech Services		
	License #: EC13001835	Phone #: 386-867-1004	
MECHANICAL/ **A/C** A ☑ CC# 1611	Print Name Ron Durham	Signature Ron Durham	☐ Lic ☑ Liab ☑ W/C ☐ EX ☐ DE
	Company Name: Advantage Air		
	License #: CAC 1815074	Phone #: 386-205-6131	
PLUMBING/ **GAS** ☑ CC# 623	Print Name Mark Gansko	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name: Express Plumbing		
	License #: CFC 1428040	Phone #: 386-623-0269	
ROOFING ☑ CC# 529	Print Name David Singue	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name: Singue Construction LLC		
	License #: CCC1516165	Phone #: 386-867-0294	
SHEET METAL ☐ CC#	Print Name NA	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
	License #:	Phone #:	
FIRE SYSTEM/ **SPRINKLER** ☐ CC#	Print Name NA	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
	License#:	Phone #:	
SOLAR ☐ CC#	Print Name NA	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
	License #:	Phone #:	
STATE ☐ **SPECIALTY** CC#	Print Name NA	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
	Company Name:		
	License #:	Phone #:	

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

DANIEL & GORE, LLC
Professional Surveying and Mapping

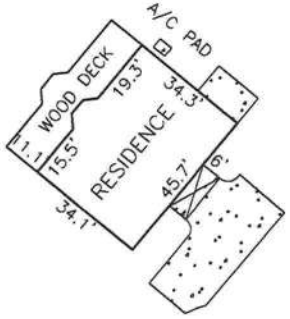
P.O. BOX 1501
LAKE CITY, FL 32056
PH. 386-208-4176
386-365-0298

9916 84th TER.
LIVE OAK, FL 32060
Email: sdaniel@dgsurveying.com
LICENSE NO. LB 7683

BOUNDA

LOTS 2 & 3, F
COLUMBIA

DETAIL: 1" = 40'

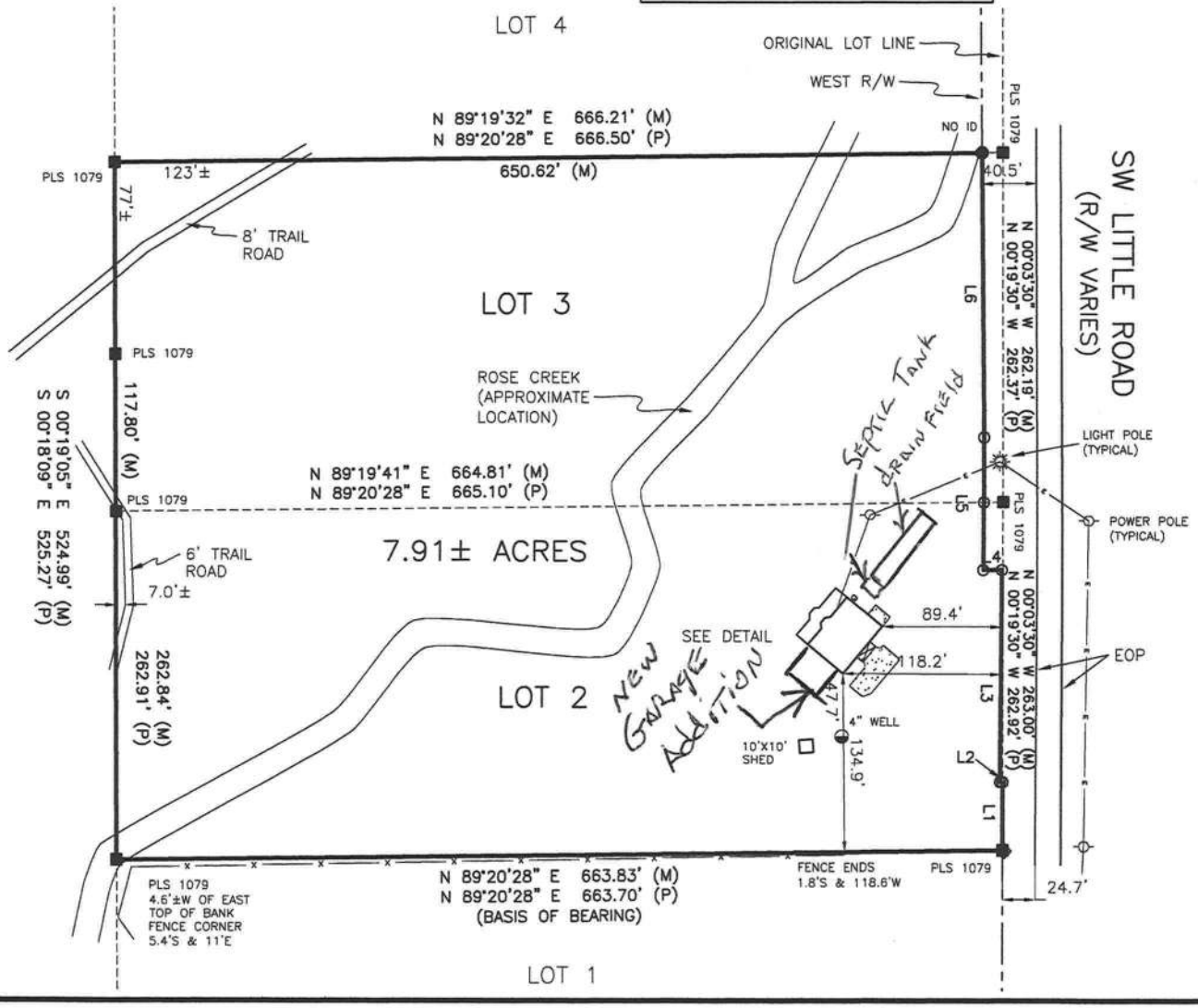


REVISIONS:

1. 09/12/08 – CHANGED CERTIFICATIONS AND BORDER.

LINE TABLE (C)		
LINE	BEARING	DISTANCE
L1	N 00°03'30" W	51.27'
L2	N 88°11'32" W	1.77'
L3	N 00°20'53" E	159.99'
L4	N 89°45'12" W	14.00'
L5	N 00°20'18" E	100.25'
L6	N 00°30'03" W	213.38'

LINE TABLE (FDOT)		
LINE	BEARING	DISTANCE
L1	N 00°54'15" W	51.43'
L2	S 89°27'48" W	1.78'
L3	N 00°32'12" W	160.00'
L4	S 89°27'48" W	14.00'
L5	N 00°32'12" W	100.28'
L6	N 01°21'53" W	213.46'



DES

LOTS 2 AND 3, RIVERS MANOR SUBDIVISION, UNI
BOOK 5, PAGE 139 OF THE PUBLIC RECORDS OF
EXCEPT RIGHT OF WAY FOR LITTLE ROAD.

NOTES:

1. BEARINGS ARE BASED ON THE SOUTH LINE C
2. ONLY THOSE VISIBLE INTERIOR IMPROVEMENTS SUBJECT PROPERTY HAVE BEEN LOCATED AS SI UNDERGROUND FACILITIES AND OTHER IMPROVEM SURVEY.
3. THIS SURVEY WAS PREPARED WITHOUT THE E THEREFORE, EXCEPTION IS MADE HEREIN REGARI RESTRICTIONS OF RECORD NOT PROVIDED BY TH
4. CLOSURE EXCEEDS 1 : 10,000.
5. SCALE AND GRAPHIC LOCATION OF FENCES A EXAGGERATED FOR CLARITY.
6. SEPTIC TANK AND ABOVE GROUND POOL NO

LEGEN

- ○ DENOTES 5/8" IRON ROD & CAP SET (PSM6449)
- ● DENOTES IRON PIPE OR REBAR FOUND (1/2")
- □ DENOTES 4"x4" CONCRETE MONUMENT SET (PSM644
- ■ 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)
℄ - CENTERLINE
(P) - PLAT
(D) - DEED
(C) - CALCULATED
(M) - MEASURED
O/S - OFFSET
POB - POINT OF BEGINNING
POC - POINT OF COMMENCEMENT
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION
N - NORTH
E - EAST
S - SOUTH
W - WEST

0'

SURVEY FOR: DAVID and JULI SIMQUE
US BANK NA
SIERRA TITLE
TICOR TITLE INSURANCE

DATE OF CERTIFICATE
08/25/08
DATE OF FIELD SURVEY

BRIAN S
PROFESS
FLORIDA

SURVEY VALID ONLY OF FIELD SURVEY SHOWN HEREON. NOT
THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYC

Prepared by & Return to:
Matthew D. Rocco
Sierra Title, LLC
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

File Number: 08-0316

Inst:200812017182 Date:9/17/2008 Time:3:05 PM
Doc Stamp-Deed:1575.00
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1158 P:1541

General Warranty Deed

Made this September 12, 2008 A.D. By **Kenneth S. Bohlscheid and Jeri L. Bohlscheid, his wife,** whose post office address is: PO Box 3754, Lake City, FL 32056, hereinafter called the grantor, to **David J. Simque and his wife, Juli A. Simque**, whose post office address is: PO Box 2962, Lake City, FL 32056, hereinafter called the grantee:

(Whenever used herein the term "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 Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lots 2 and 3, Rivers Manor Unit I, according to the plat thereof, as recorded in Plat Book 5, Page 139, of the Public Records of Columbia County, Florida, LESS and EXCEPT that parcel of land as described in Official Records Book 1048, Page 779, of the Public Records of Columbia County, Florida.

Parcel ID Number: **165S01-03401-102**

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; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2007.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Printed Name Matthew D. Rocco

Witness Printed Name MELINDA WEAVER

(Seal)
Kenneth S. Bohlscheid
Address: PO Box 3754, Lake City, FL 32056

Jeri L. Bohlscheid (Seal)
Jeri L. Bohlscheid
Address:

State of Florida

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

PERMIT NO. 17-0452
DATE PAID: 3/11/17
FEE PAID: 600
RECEIPT #: 3463006
Ap # 129300

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

APPLICANT: David Simone

AGENT: _____ TELEPHONE: 386-867-0294

MAILING ADDRESS: 578 SW Little Rd 32024 Lake City

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

PROPERTY INFORMATION

LOT: 2+3 BLOCK: _____ SUBDIVISION: River Manor U-1 PLATTED: _____

PROPERTY ID #: 0340-102 ZONING: R I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 8 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: 578 SW Little Rd 32024

DIRECTIONS TO PROPERTY: 475 - LEFT ON Walter Rd, LEFT on Little Rd, First house on Right passed bridge

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	House	2	1900	
2				
3				
4				

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

SIGNATURE: _____ DATE: 7-1-17

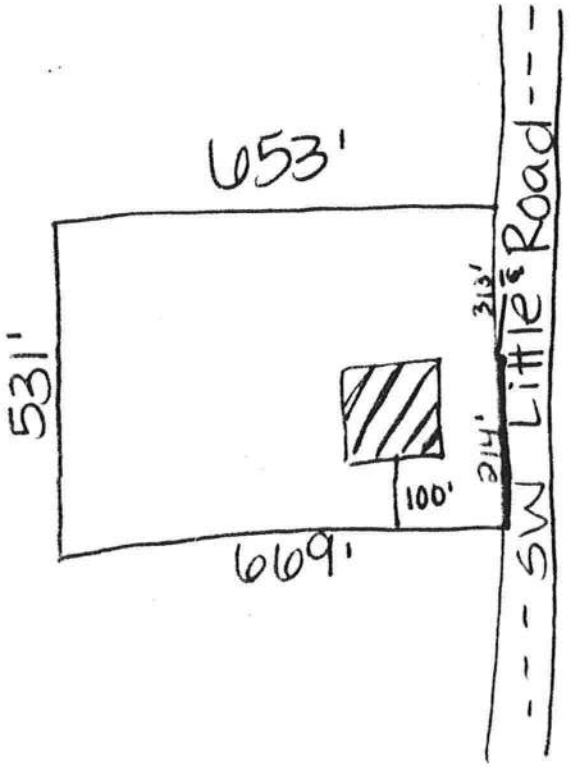
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

NORTH ↑

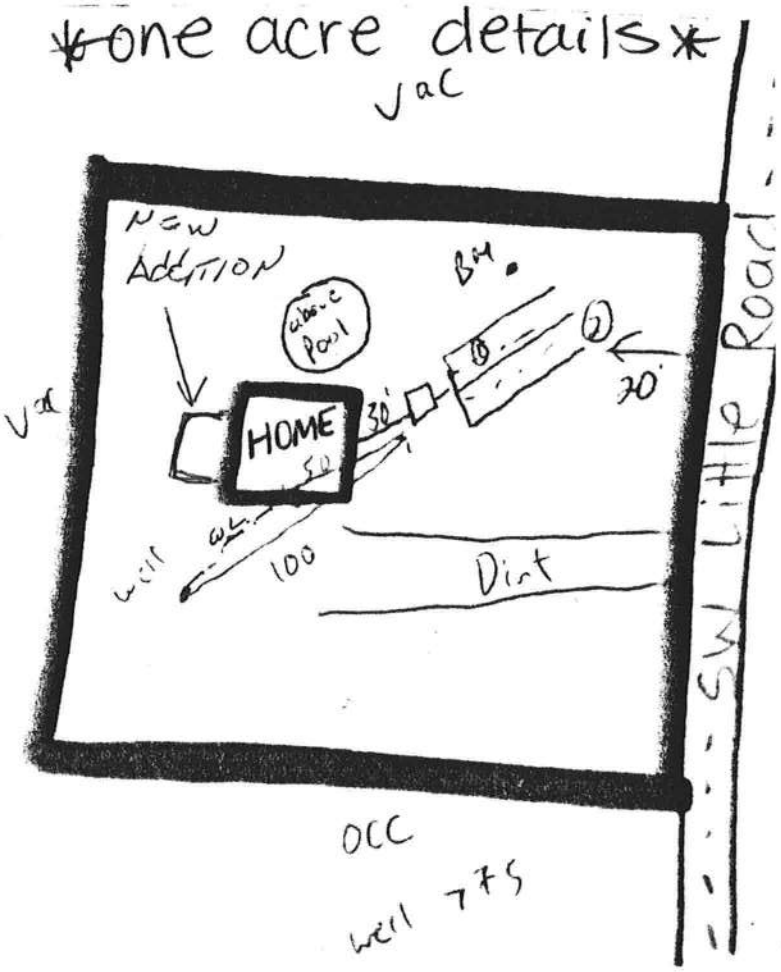
Permit Application Number 17-0452E

PART II - SITEPLAN

*NOT drawn to scale.



one acre details



Notes: _____

Site Plan submitted by: X _____

Plan Approved / Not Approved

By _____

Date 12/12/17

Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

_____

Clerk's Office Stamp
Inst: 201712012270 Date: 06/29/2017 Time: 2:43PM
Page 1 of 1 B: 1339 P: 2229, 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)*: 01-55-16 0100/0100 - (1655-0340-102)
   a) Street *(job)* Address: 518 SW LITTLE Rd Lake City, FL 32024
2. General description of improvements: GARAGE Addition
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: DAVID SIMQUE 518 SW LITTLE Rd. LAKE CITY, FL 32024
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property OWNER
4. Contractor Information
   a) Name and address: David Simque 518 SW LITTLE Rd. Lake City, FL 32024
   b) Telephone No.: 386-867-0294
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address: NA
   b) Amount of Bond: _____
   c) Telephone No.: _____
6. Lender
   a) Name and address: NA
   b) Phone No. _____
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: David Simque 518 SW LITTLE Rd. Lake City, FL 32024
   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: _____ OF _____
   b) Telephone No.: _____
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

David Simque - OWNER
Printed Name and Signatory's Title/Office

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

David J. Simque as Owner for _____.
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ____ OR Produced Identification ✓ Type Florida Drivers License

Notary Signature _____ Notary Stamp or Seal:

TABITHA SPINUZZA
Notary Public - State of Florida
My Comm. Expires Jan 30, 2018
Commission # FF 088169

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525
(exp. 05/30/2018)

This form is completed by the licensed Pest Control Company.

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. #35557

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. JB182345 Company Phone No. 386-755-0511
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name David Simque Phone No. 867-0924

Section 3: Property Information David Simque

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 578 SW Little Road
Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 7-24-2017
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: Dominion 2L EPA Registration No. 53883-229
Approx. Dilution (%): .05 Approx. Total Gallons Mix Applied: 160 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. Lacey Certification No. (if required by State law) JP104376

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 7-24-2017

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 **HUD-NPMA-99-B** (8/2008)

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

RE: 1108876 - DAVID SIMQUE

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

Site Information:
Customer Info: David Simque Project Name: 1108876 Model: Addition
Lot/Block: Subdivision:
Address: 572 SW Little Road
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 seals License #: Unknown at time of seals
Address: Unknown at time of seals
City: Unknown at time of seals State: Unknown at time of seals

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 7 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
1	T11479404	PB01	6/28/17
2	T11479405	PB01G	6/28/17
3	T11479406	T01	6/28/17
4	T11479407	T01G	6/28/17
5	T11479408	T02	6/28/17
6	T11479409	T03	6/28/17
7	T11479410	T04	6/28/17

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: Albani, Thomas
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.

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

June 28,2017

Job	Truss	Truss Type	Qty	Ply	DAVID SIMQUE	
1108876	PB01	Piggyback	9	1	Job Reference (optional)	T11479404

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 28 09:23:53 2017 Page 1

ID:5_2P?uC_qQldGxlHfzXttRz6S7M-ZD0lA3pB8nRrdHVk_7avRf5Rd7HJb6233S8up0z1p8K

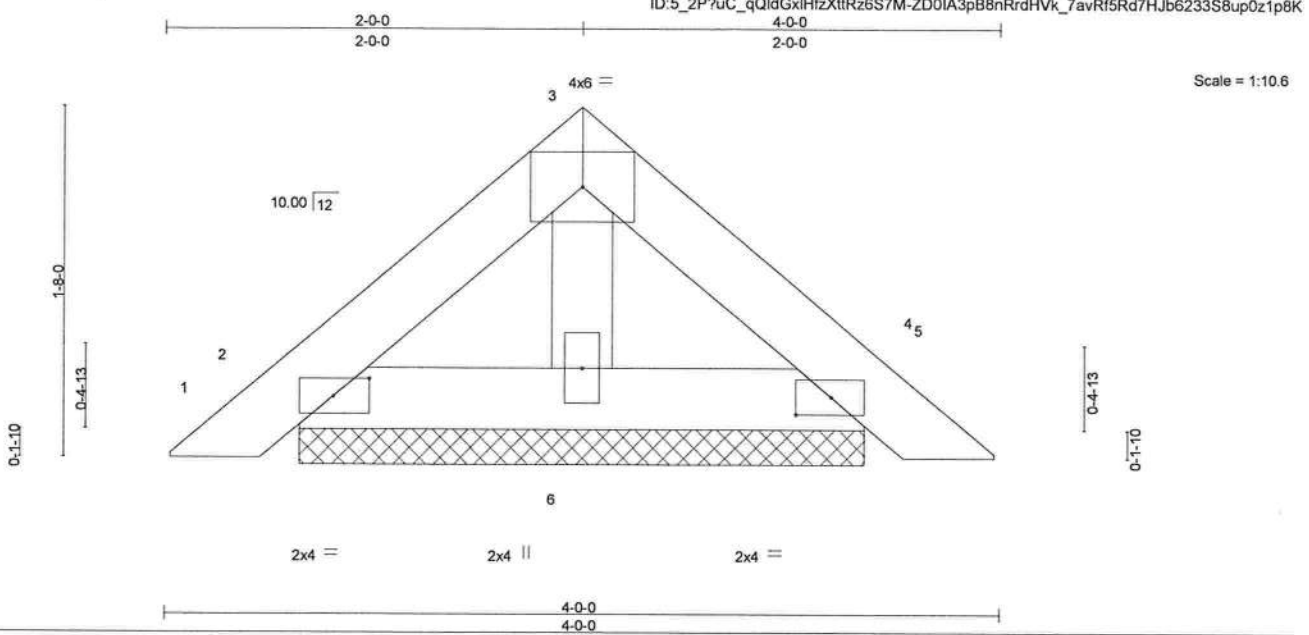


Plate Offsets (X,Y)-- [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

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	0.03	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: 13 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 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=81/2-8-9, 4=81/2-8-9, 6=82/2-8-9
Max Horz 2=-46(LC 10)
Max Uplift 2=-43(LC 12), 4=-49(LC 13), 6=-10(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) 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) 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	DAVID SIMQUE	
1108876	PB01G	PIGGYBACK	1	1	Job Reference (optional)	T11479405

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 28 09:23:53 2017 Page 1

ID:5_2P?uC_qQldGxlHfzXttRz6S7M-ZD0lA3pB8nRrdHVk_7avRf5Rv7H2b6A33S8up0z1p8K

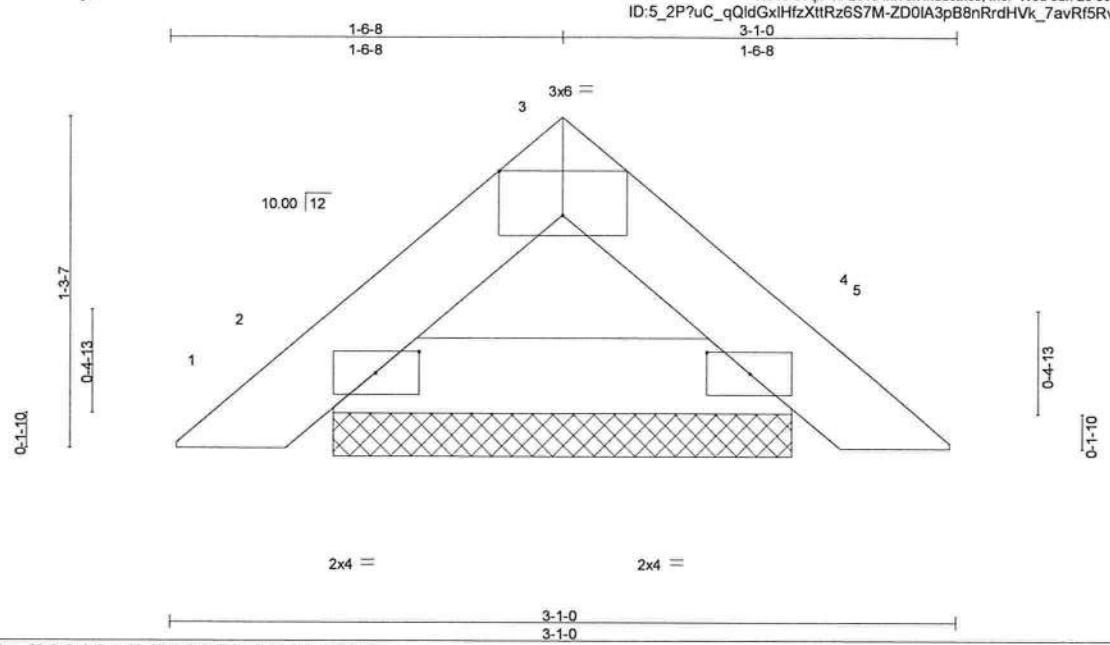


Plate Offsets (X,Y)-- [2:0-2-1,0-1-0], [3:0-3-0,Edge], [4:0-2-1,0-1-0]

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	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 9 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 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=88/1-9-9, 4=88/1-9-9
Max Horz 2=-34(LC 10)
Max Uplift 2=-37(LC 12), 4=-37(LC 13)

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) 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) 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.
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	DAVID SIMQUE	
1108876	T01	ATTIC	6	1	Job Reference (optional)	T11479406

Builders FirstSource, Lake City, FL 32055

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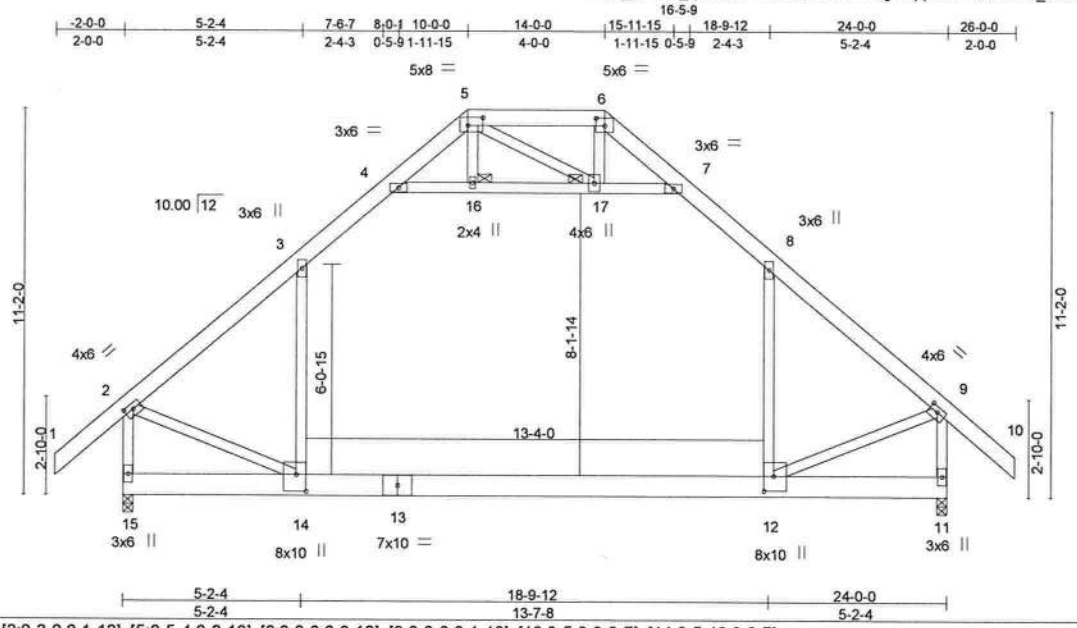

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-5-4,0-2-12], [6:0-3-0,0-2-12], [9:0-3-0,0-1-12], [12:0-5-3,0-3-7], [14:0-5-13,0-3-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.36	12-14	>798	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(TL)	-0.65	12-14	>435	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.28	12-14	591	360	Weight: 220 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except* 5-6: 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.
JOINTS 1 Brace at Jt(s): 16, 17

REACTIONS. (lb/size) 15=1263/0-3-8, 11=1263/0-3-8
Max Horz 15=-421(LC 10)
Max Uplift 15=-161(LC 12), 11=-161(LC 13)
Max Grav 15=1532(LC 2), 11=1532(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1559/169, 3-4=-1031/317, 5-6=-95/344, 7-8=-1031/317, 8-9=-1559/169, 2-15=-1699/307, 9-11=-1698/307
BOT CHORD 14-15=-401/420, 13-14=-27/1146, 12-13=-27/1146
WEBS 3-14=0/764, 4-16=-1311/238, 16-17=-1307/239, 7-17=-1326/242, 8-12=0/763, 2-14=-37/1226, 9-12=-38/1227

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; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 16-17, 7-17; Wall dead load (5.0psf) on member(s).3-14, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=161, 11=161.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.
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.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	DAVID SIMQUE	
1108876	T01G	GABLE	1	1	Job Reference (optional)	T11479407

Builders FirstSource, Lake City, FL 32055

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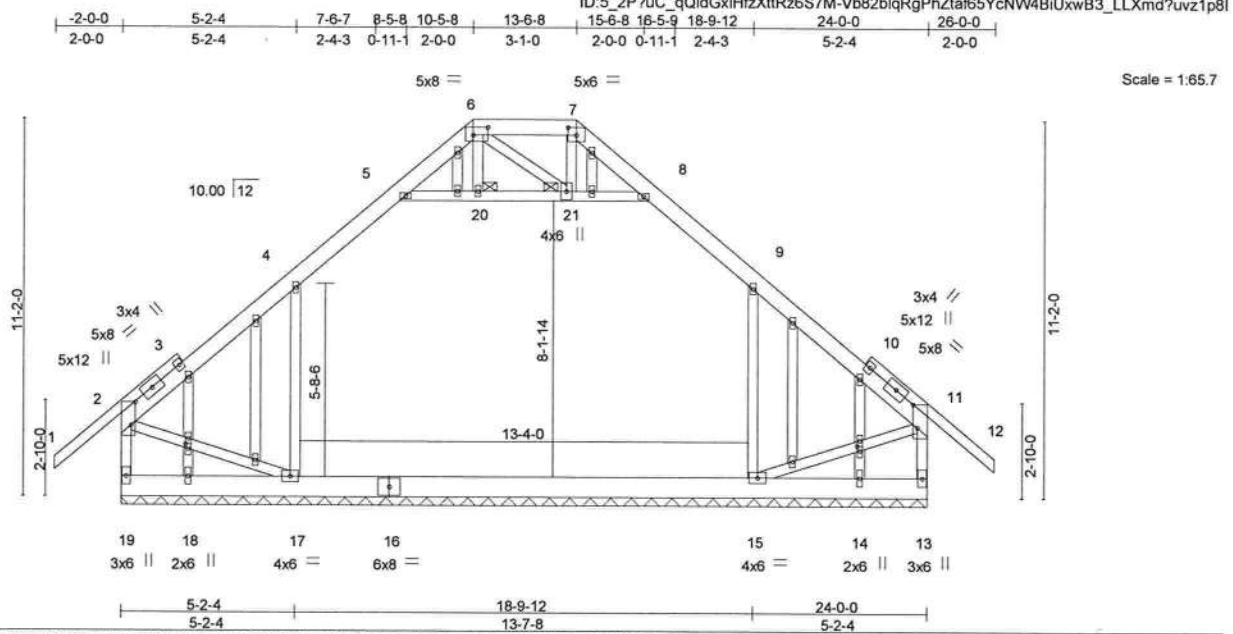

Plate Offsets (X,Y)-- [2:0-8-4,0-1-8], [6:0-5-4,0-2-12], [7:0-3-0,0-2-12], [11:0-8-4,0-1-8], [22:0-1-11,0-1-0], [27:0-1-11,0-1-0]

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	0.33	Vert(LL)	-0.02	11-12	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(TL)	-0.02	11-12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 243 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-3,10-12: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3
OTHERS	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 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 15-17.
JOINTS	1 Brace at Jt(s): 20, 21

REACTIONS. All bearings 24-0-0.

(lb) - Max Horz 19=-407(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) except 19=-125(LC 8), 17=-304(LC 12), 15=-303(LC 13), 13=-121(LC 9), 14=-420(LC 18), 18=-420(LC 18)

Max Grav All reactions 250 lb or less at joint(s) except 19=720(LC 1), 17=1061(LC 20), 15=1058(LC 21), 13=720(LC 1)

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

TOP CHORD	2-3=-501/140, 3-4=-437/165, 4-5=-537/260, 5-6=-328/150, 7-8=-326/147, 8-9=-537/260, 9-10=-437/161, 10-11=-501/136, 2-19=-655/207, 11-13=-654/206
BOT CHORD	18-19=-395/367, 17-18=-395/367, 16-17=-150/378, 15-16=-150/378
WEBS	4-17=-499/346, 9-15=-501/345, 2-17=-136/432, 11-15=-135/432

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; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 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, with BCDL = 10.0psf.
10) Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-20, 20-21, 8-21; Wall dead load (5.0psf) on member(s).4-17, 9-15
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 19, 304 lb uplift at joint 17, 303 lb uplift at joint 15, 121 lb uplift at joint 13, 420 lb uplift at joint 14 and 420 lb uplift at joint 18.
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	DAVID SIMQUE	
1108876	T02	ATTIC	2	2	Job Reference (optional)	T11479408

Builders FirstSource, Lake City, FL 32055

7.640 s Apr 19 2016 MiTek Industries, Inc. Wed Jun 28 09:23:56 2017 Page 1

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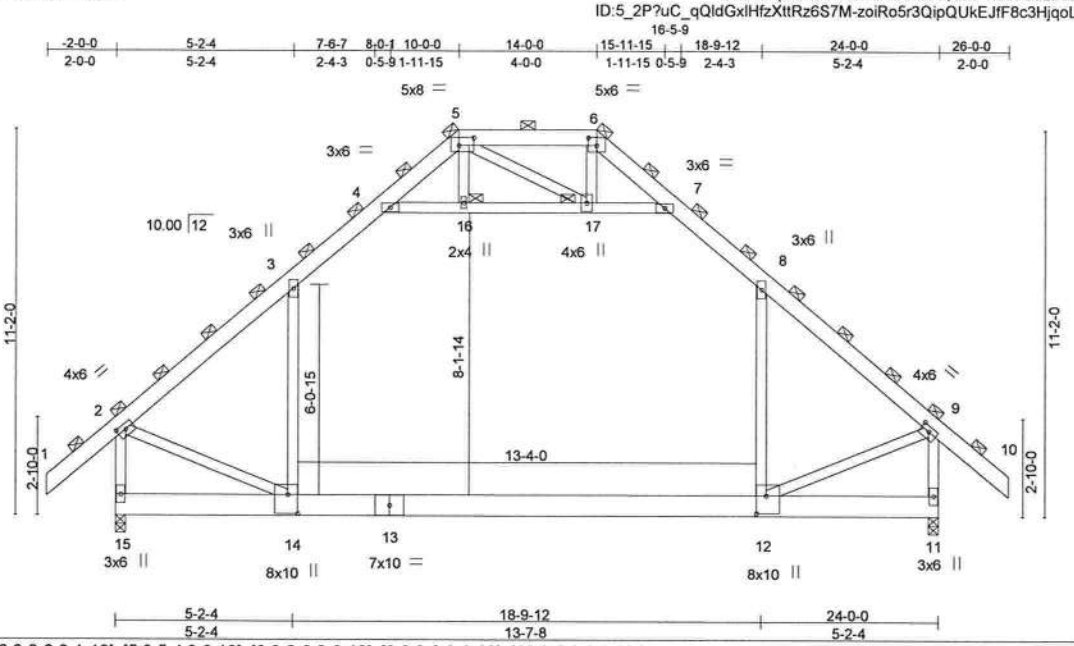

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-5-4,0-2-12], [6:0-3-0,0-2-12], [9:0-3-0,0-1-12], [12:0-6-3,0-3-6], [14:0-6-9,0-3-7]

LOADING (psf)		SPACING-	4-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.36	12-14	>798	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(TL)	-0.65	12-14	>435	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.28	12-14	591	360	Weight: 440 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except* 5-6: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 6, 2, 9, 16, 17

REACTIONS. (lb/size) 15=2526/0-3-8, 11=2526/0-3-8
Max Horz 15=-842(LC 10)
Max Uplift 15=-322(LC 12), 11=-322(LC 13)
Max Grav 15=3064(LC 2), 11=3064(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3119/338, 3-4=-2062/634, 4-5=-469/392, 5-6=-190/688, 6-7=-452/422, 7-8=-2063/634, 8-9=-3117/338, 2-15=-3398/614, 9-11=-3396/613
BOT CHORD 14-15=-802/840, 13-14=-55/2292, 12-13=-55/2292
WEBS 3-14=0/1529, 4-16=-2623/476, 16-17=-2613/478, 7-17=-2652/485, 8-12=0/1526, 2-14=-74/2451, 9-12=-77/2454, 5-17=-324/302

NOTES- (15)

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.
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) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 16-17, 7-17; Wall dead load (5.0psf) on member(s).3-14, 8-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 322 lb uplift at joint 15 and 322 lb uplift at joint 11.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES- (15)

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	DAVID SIMQUE	
1108876	T03	ATTIC	1	2	Job Reference (optional)	T11479409

Builders FirstSource, Lake City, FL 32055

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ID:5_2P?uC_qQldGxlHfzXttRz6S7M-S_Gp0RshB0xH6upVDzfrbVGyskTkXnme_465ynz1p8G

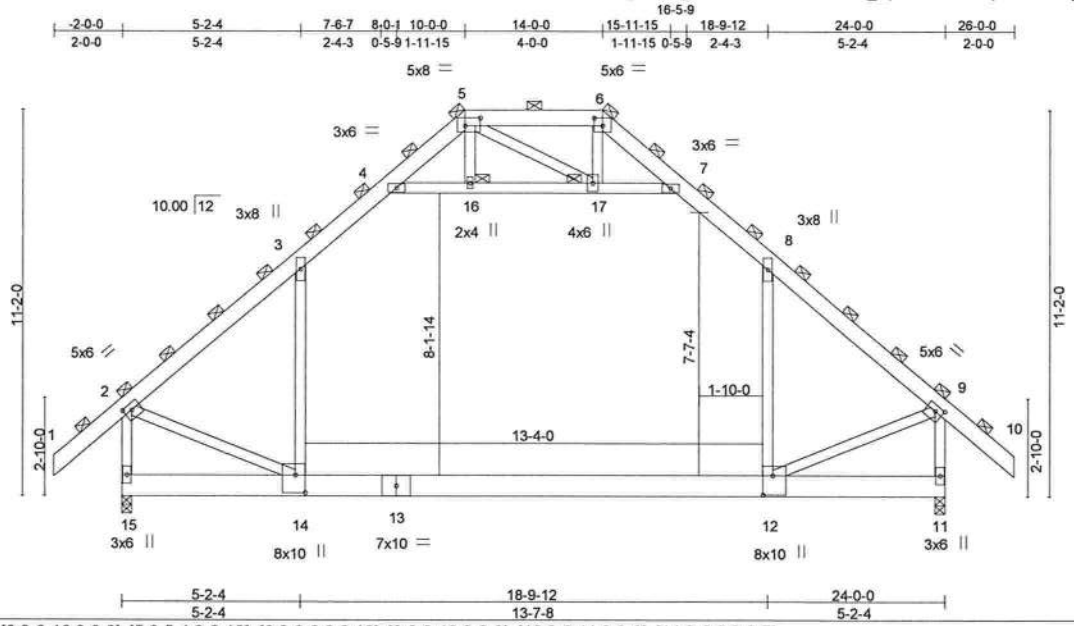

Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [5:0-5-4,0-2-12], [6:0-3-0,0-2-12], [9:0-2-12,0-2-0], [12:0-6-11,0-3-6], [14:0-6-3,0-3-7]

LOADING (psf)		SPACING-	5-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	-0.45	12-14	>638	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(TL)	-0.82	12-14	>348	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(TL)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix-M)		Attic	-0.35	12-14	473	360	Weight: 440 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26 *Except* 5-6: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-

TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-8-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 5, 6, 2, 9, 16, 17

REACTIONS. (lb/size) 15=3158/0-3-8, 11=3158/0-3-8
Max Horz 15=-1052(LC 10)
Max Uplift 15=-402(LC 12), 11=-402(LC 13)
Max Grav 15=3829(LC 2), 11=3829(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3899/423, 3-4=-2577/793, 4-5=-587/490, 5-6=-238/860, 6-7=-566/528, 7-8=-2578/793, 8-9=-3896/422, 2-15=-4247/767, 9-11=-4245/767
BOT CHORD 14-15=-1003/1051, 13-14=-69/2865, 12-13=-69/2865
WEBS 3-14=0/1911, 4-16=-3279/595, 16-17=-3267/598, 7-17=-3316/606, 8-12=0/1907, 2-14=-93/3064, 9-12=-96/3067, 6-17=-125/304, 5-17=-405/378

NOTES- (15)

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.
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) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-16, 16-17, 7-17; Wall dead load (5.0psf) on member(s).3-14, 8-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 402 lb uplift at joint 15 and 402 lb uplift at joint 11.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) NOTE: DUE TO THE OVERALL LENGTH TO DEPTH RATIO OF THE ROOM, THE FLOOR MAY EXHIBIT OBJECTIONABLE VIBRATION AND OR BOUNCE. BUILDING DESIGNER TO CONSIDER PROVIDING MEANS TO DAMPEN THESE EFFECTS. TRUSS DESIGN SHALL BE REVIEWED AND APPROVED PRIOR TO MANUFACTURING.

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

NOTES- (15)

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	DAVID SIMQUE	
1108876	T04	Common	4	1	Job Reference (optional)	T11479410

Builders FirstSource, Lake City, FL 32055

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ID:5_2P?uC_qQldGxlHfzXttRz6S7M-S_Gp0RshB0xH6upVDzfrbVG6jkdKXwYe_465ynz1p8G

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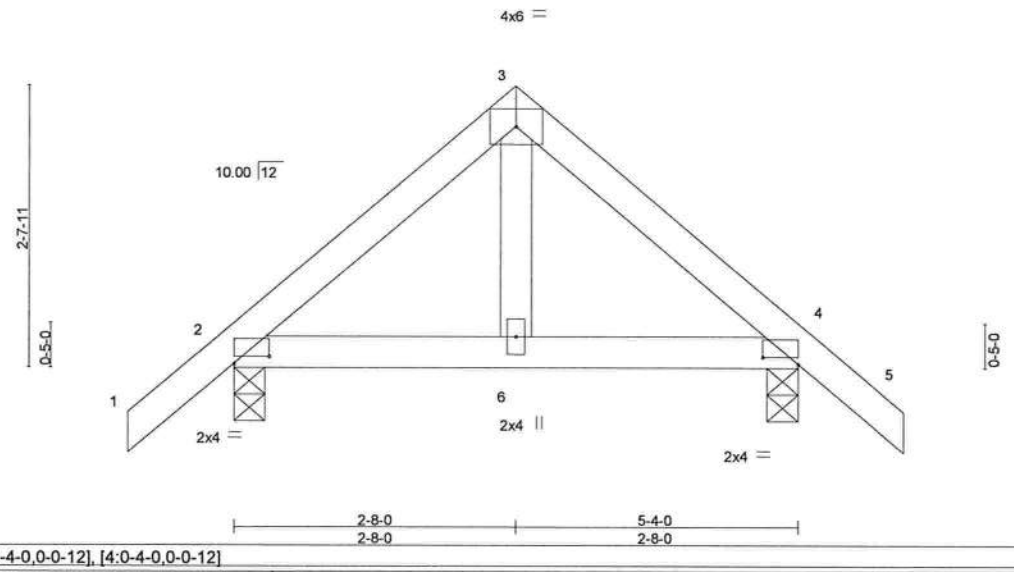


Plate Offsets (X,Y)-- [2:0-4-0,0-0-12], [4:0-4-0,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	-0.00	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(TL)	-0.00	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	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 5-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=251/0-3-8, 4=251/0-3-8
Max Horz 2=95(LC 11)
Max Uplift 2=-105(LC 12), 4=-105(LC 13)

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

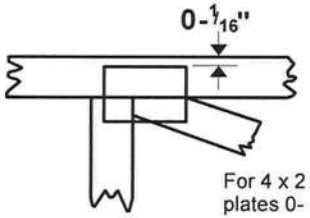
NOTES- (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for 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 105 lb uplift at joint 2 and 105 lb uplift at joint 4.
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

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

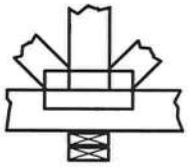
4 x 4

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

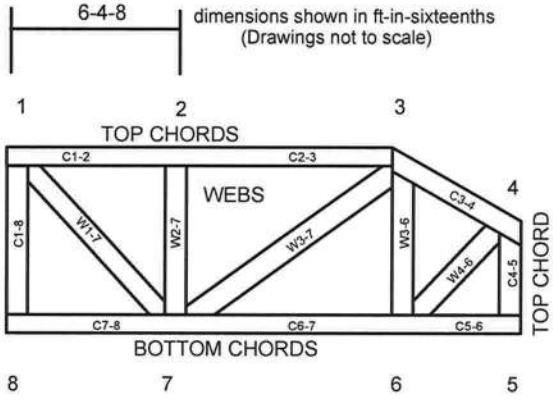


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

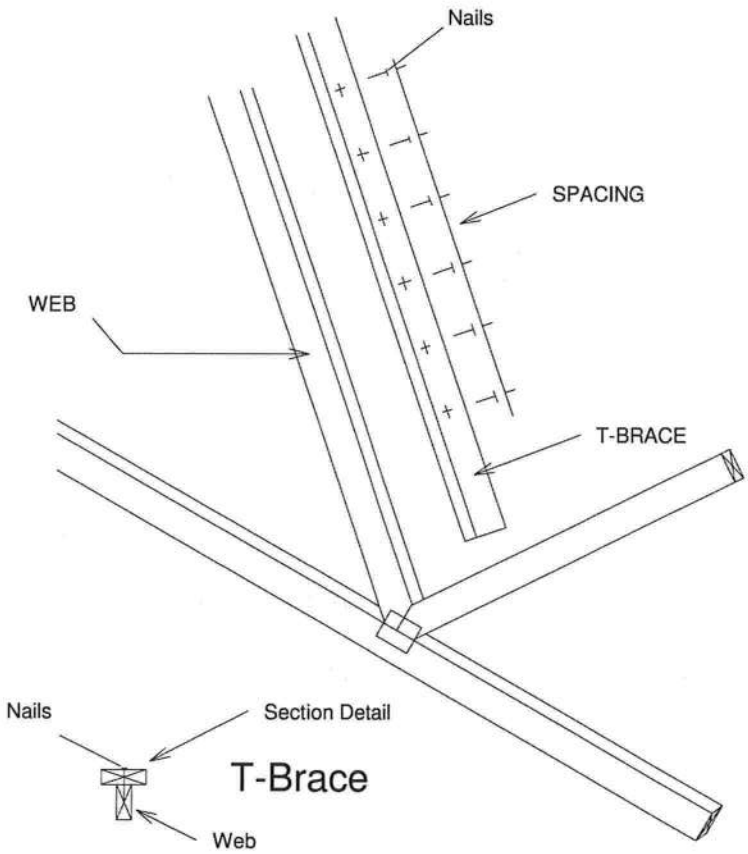
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

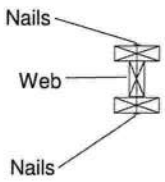
Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

	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.





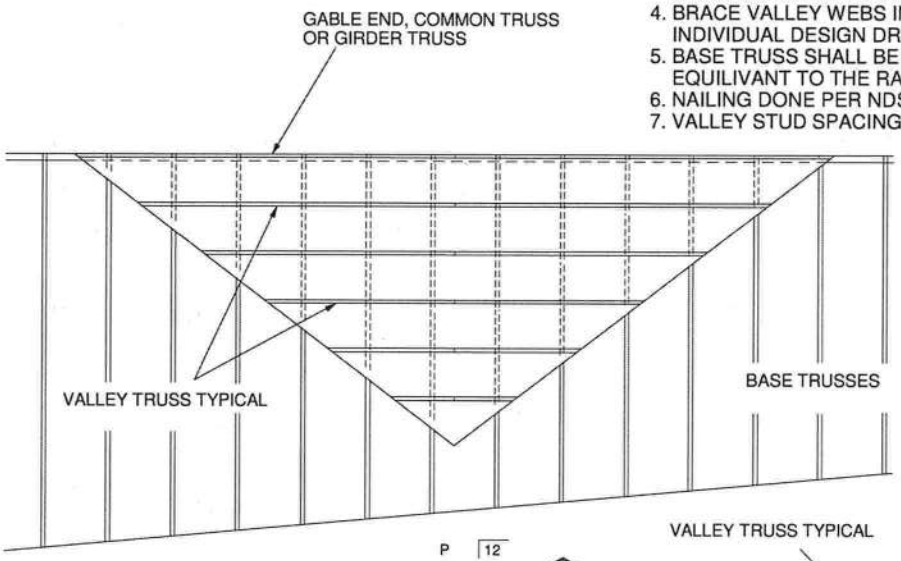
I-Brace

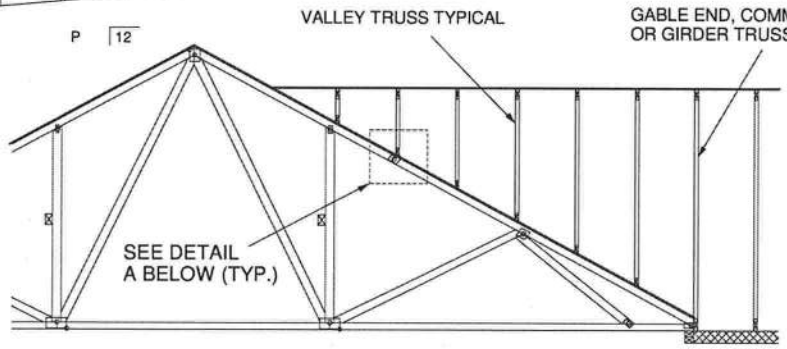
FEBRUARY 14, 2012	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

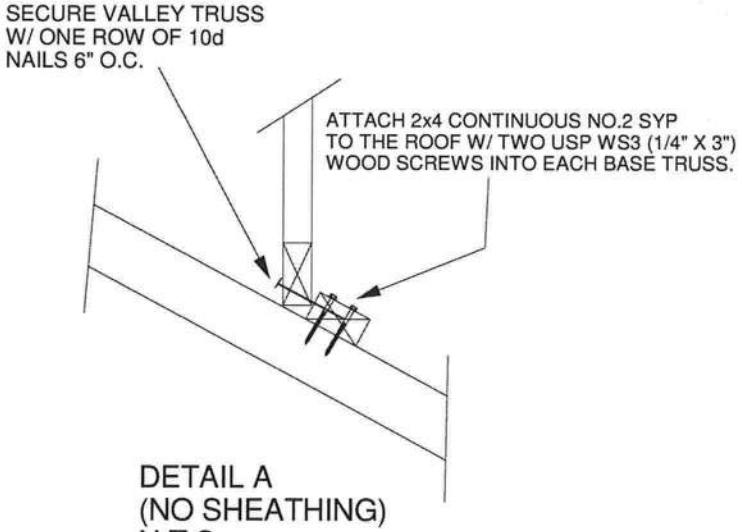
MiTek USA, Inc.

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.

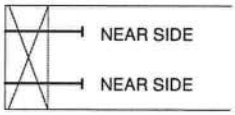
EXAMPLE:
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

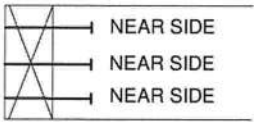
THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

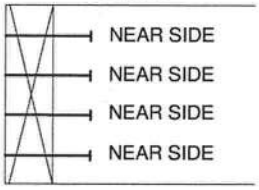
SIDE VIEW
(2x3)
2 NAILS

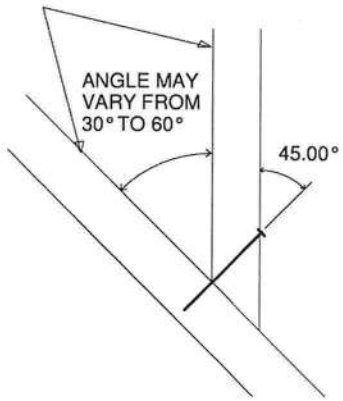


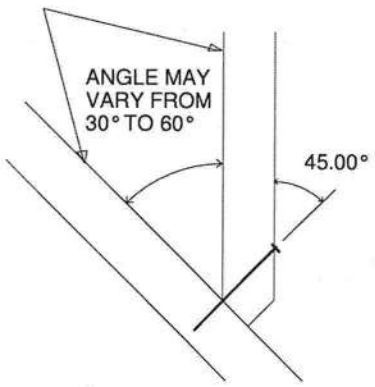
SIDE VIEW
(2x4)
3 NAILS

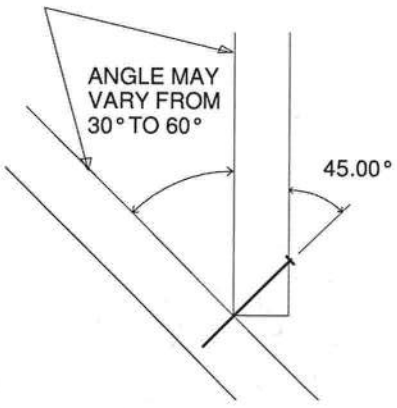


SIDE VIEW
(2x6)
4 NAILS









FEBRUARY 8, 2008	LATERAL BRACING RECOMMENDATIONS	ST-STRGBCK

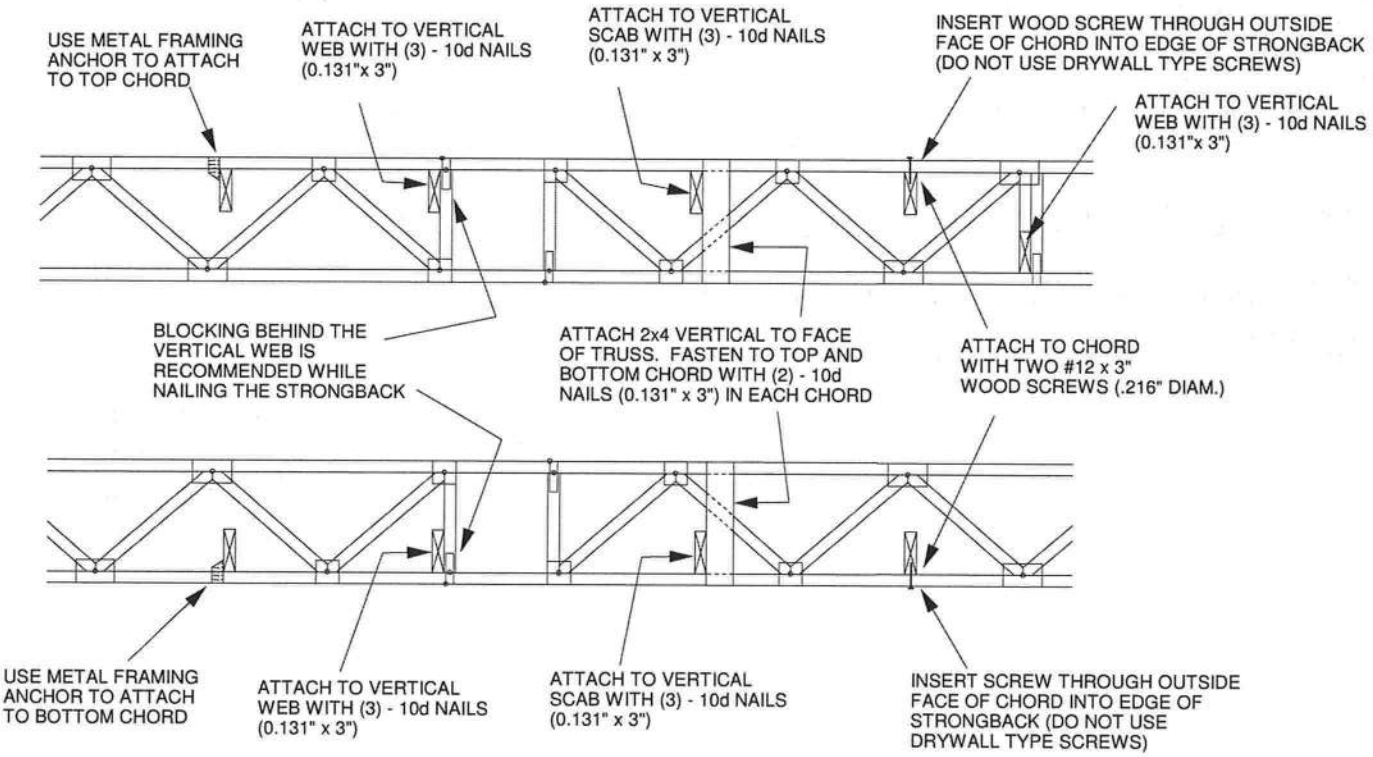
MiTek USA, Inc.

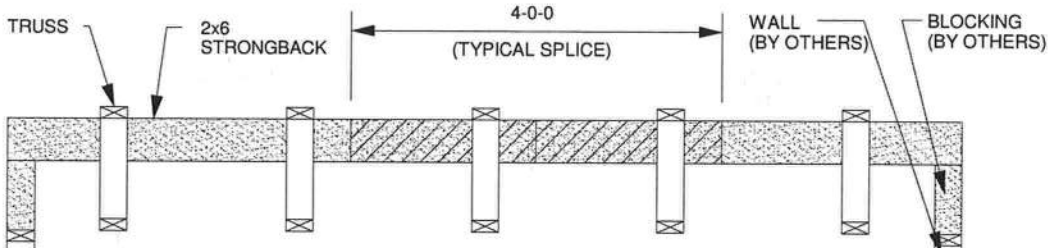
MiTek USA, Inc.

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.

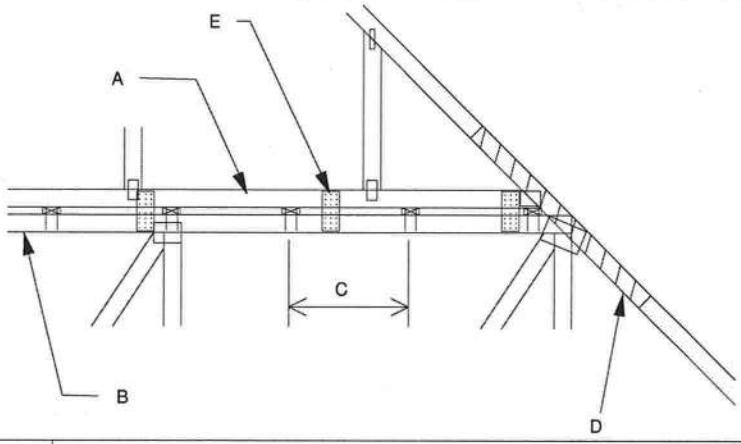
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.

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.

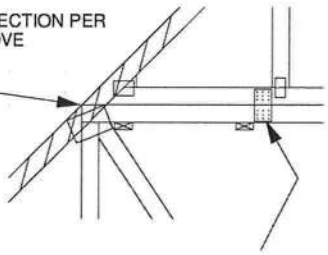
E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



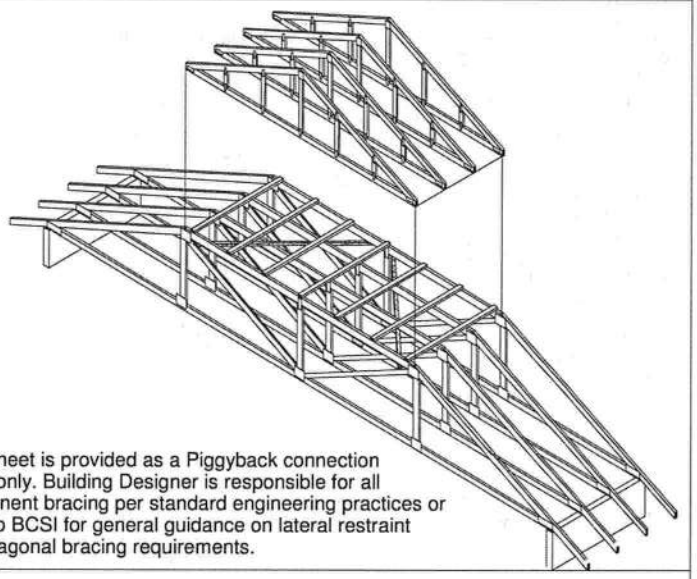
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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.

SCAB CONNECTION PER NOTE D ABOVE

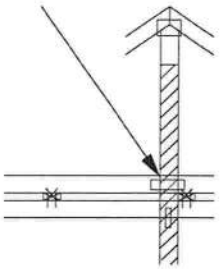


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



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

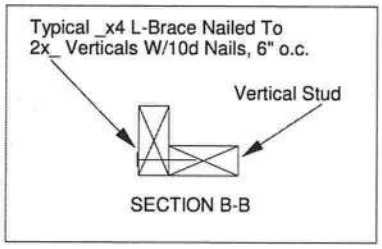


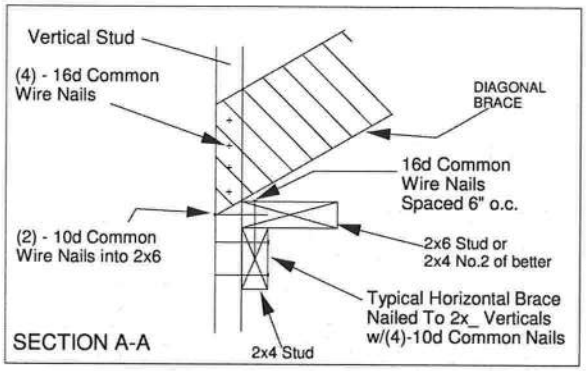
FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

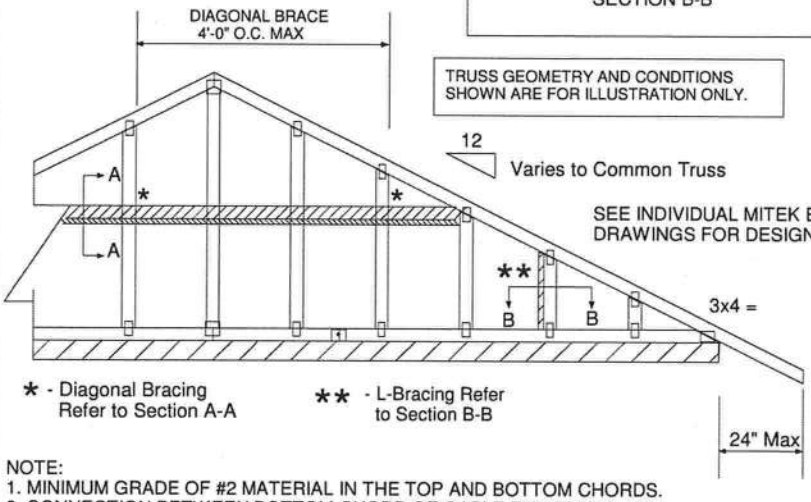
1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
2) ATTACH 2 x ___ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE 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.







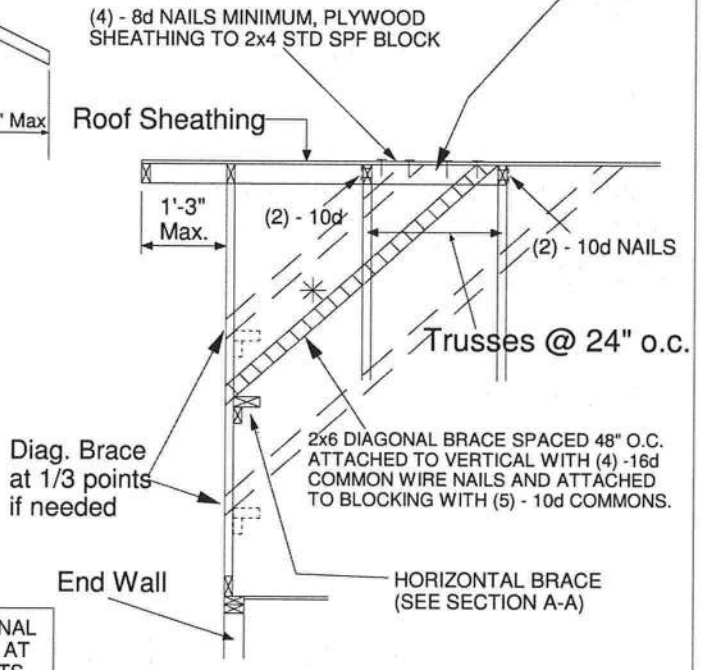
TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

** - L-Bracing Refer to Section B-B

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.



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

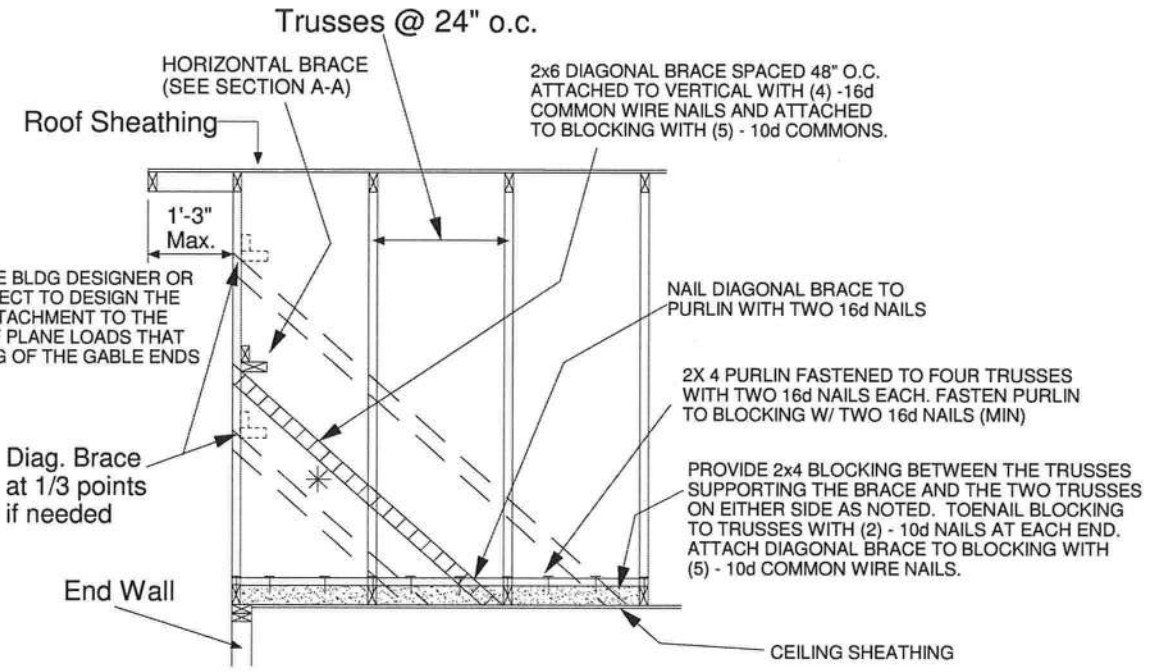
✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length.

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

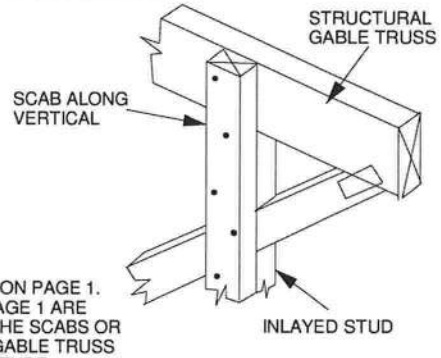
STRUCTURAL GABLE TRUSSES MAY BE BRACED AS NOTED:

METHOD 1 : ATTACH A MATCHING GABLE TRUSS TO THE INSIDE FACE OF THE STRUCTURAL GABLE AND FASTEN PER THE FOLLOWING NAILING SCHEDULE.

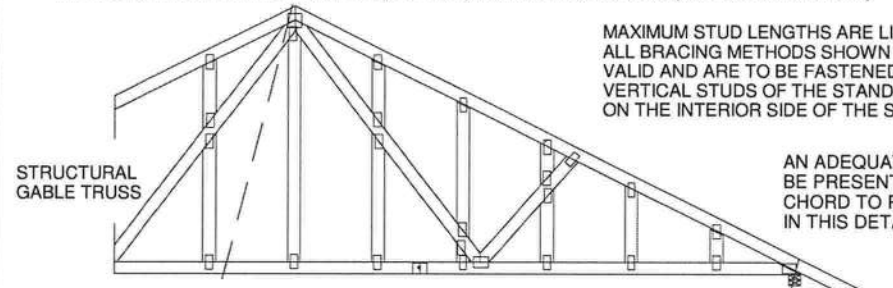
METHOD 2 : ATTACH 2X _ SCABS TO THE FACE OF EACH VERTICAL MEMBER ON THE STRUCTURAL GABLE PER THE FOLLOWING NAILING SCHEDULE. SCABS ARE TO BE OF THE SAME SIZE, GRADE AND SPECIES AS THE TRUSS VERTICALS

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)

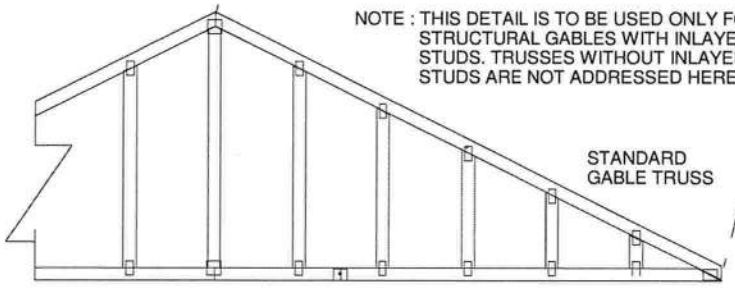


MAXIMUM STUD LENGTHS ARE LISTED ON PAGE 1. ALL BRACING METHODS SHOWN ON PAGE 1 ARE VALID AND ARE TO BE FASTENED TO THE SCABS OR VERTICAL STUDS OF THE STANDARD GABLE TRUSS ON THE INTERIOR SIDE OF THE STRUCTURE.

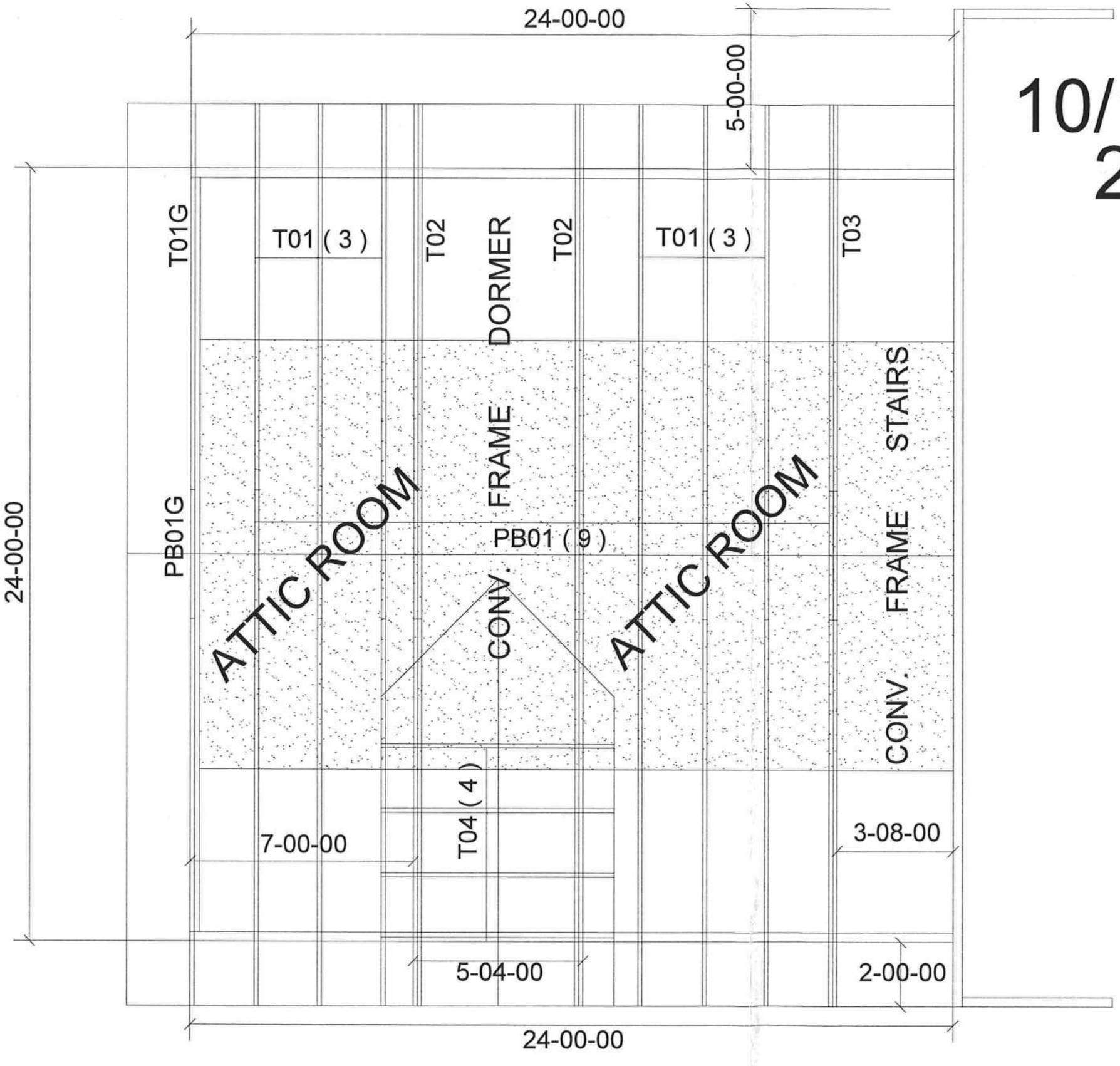


AN ADEQUATE DIAPHRAGM OR OTHER METHOD OF BRACING MUST BE PRESENT TO PROVIDE FULL LATERAL SUPPORT OF THE BOTTOM CHORD TO RESIST ALL OUT OF PLANE LOADS. THE BRACING SHOWN IN THIS DETAIL IS FOR THE VERTICAL/STUDS ONLY.

NOTE : THIS DETAIL IS TO BE USED ONLY FOR STRUCTURAL GABLES WITH INLAYED STUDS. TRUSSES WITHOUT INLAYED STUDS ARE NOT ADDRESSED HERE.



10/12 PITCH
24" O/H



BEARING HEIGHT SCHEDULE

- 8' 1-1/8"
- 9' 1-1/8"
- 10' 1-1/8"
- 11' 1-1/8"
- 12' 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: DAVID SIMQUE

LEGAL ADDRESS:

MODEL:		Revision:
		Rev. By:
DATE: 6-28-17	DRAWN BY: KLH	Original Reference #: 1108876
1st Level Job #:	2nd Level Job #:	Roof Job #: 1108876

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, LP PRODUCT #'s LVL #15228-R3 & LPI #15401-R4

FORM R405-2014

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Little Road addition	Builder Name:	Simque Construction
Street:	Little Road	Permit Office:	
City, State, Zip:	Lake City , FL , 32024	Permit Number:	
Owner:	Simque	Jurisdiction:	
Design Location:	FL, Gainesville	County::	Columbia (Florida Climate Zone 2)

1. New construction or existing	Addition
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms(Bedrms In Addition)	1(1)
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	348
Conditioned floor area below grade (ft²)	0

7. Windows(15.0 sqft.)	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.33 SHGC=0.22	15.00 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:		1.500 ft.
Area Weighted Average SHGC:		0.220

8. Floor Types (348.0 sqft.)	Insulation	Area
a. Floor over Garage	R=19.0	348.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (557.3 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	450.67 ft²
b. Frame - Wood, Adjacent	R=13.0	106.67 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (348.0 sqft.)	Insulation	Area
a. Cathedral/Single Assembly (Vented)	R=30.0	348.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Main, Ret: Main, AH: Main	8	1

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	12.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	12.0	HSPF:8.50

14. Hot water systems - None required

a. Cap: N/A EF: 0.000

b. Conservation features

15. Credits CF, Pstat

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

Glass/Floor Area: 0.043

Total Proposed Modified Loads: 16.80

Total Baseline Loads: 19.48

PASS

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

PREPARED BY: _____

DATE: 6-23-17

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.

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.**

PROJECT

Title:	Little Road addition	Bedrooms:	1	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2010	Lot #	
Owner:	Simque	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Simque Construction	Rotate Angle:	0	Street:	Little Road
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	Addition				
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	348	2784

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	348	2784	No	1	1	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	R-Value	Area		Tile	Wood	Carpet
_____	1	Floor over Garage	Main	----	----	348 ft²	19	0.33	0	0.67

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	453 ft²	144 ft²	Medium	0.85	No	0.9	No	0	39.8

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	348 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Cathedral/Single Assembly (Vented)	Main	30	Blown	348 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	20	8	6		124.0 ft²	0.625	0.23	0.75	0
___	2	E	Garage	Frame - Wood	Main	13	13	4	8		106.7 ft²	0.625	0.23	0.75	0
___	3	S	Exterior	Frame - Wood	Main	13	15	4	6		92.0 ft²	0.625	0.23	0.75	0
___	4	E	Exterior	Frame - Wood	Main	13	5	4	8		42.7 ft²	0.625	0.23	0.75	0
___	5	S	Exterior	Frame - Wood	Main	13	5	4	8		42.7 ft²	0.625	0.23	0.75	0
___	6	W	Exterior	Frame - Wood	Main	13	5	4	8		42.7 ft²	0.625	0.23	0.75	0
___	7	W	Exterior	Frame - Wood	Main	13	13	4	8		106.7 ft²	0.625	0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
___	1	N	Insulated	Main	None	.4	2	8	6	8	17.8 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	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	15.0 ft²	1 ft 6 in	1 ft 4 in	IECC 2012	None

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___	1	576 ft²	384 ft²	72 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000254	232	12.74	23.95	.1957	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
___	1	Electric Heat Pump	SPVHP(COP)	HSPF:8.5	12 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
___	1	Central Unit	SPVAC	SEER: 14	12 kBtu/hr	360 cfm	0.8	1	sys#1

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
___					ft²		

FORM R405-2014

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Main	8	1 ft²	Main	1 ft²	Prop. Leak Free	Main	--- cfm	10.4 cfm	0.03	0.50	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

Residential System Sizing Calculation

Summary

Simque
Little Road
Lake City, FL 32024

Project Title:
Little Road addition

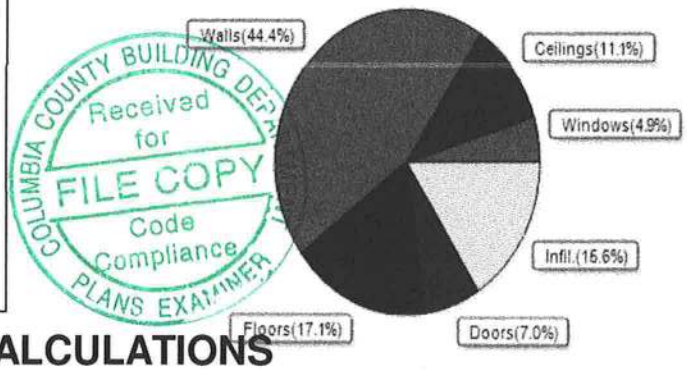
6/23/2017

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	**4076**	**Btuh**	**Total cooling load calculation**	**4171**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	294.4	12000	Sensible (SHR = 0.80)	267.0	9600
Heat Pump + Auxiliary(0.0kW)	294.4	12000	Latent	416.6	2400
			Total (Electric Heat Pump)	287.7	12000

WINTER CALCULATIONS

Winter Heating Load (for 348 sqft)

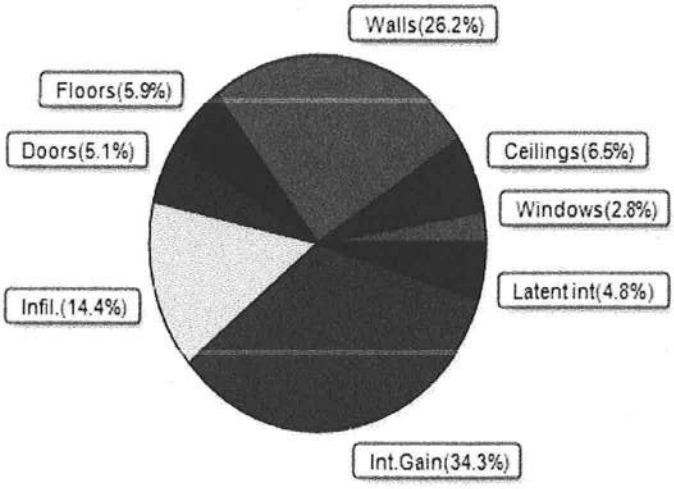
Load component			Load	
Window total	15	sqft	198	Btuh
Wall total	525	sqft	1809	Btuh
Door total	18	sqft	284	Btuh
Ceiling total	348	sqft	450	Btuh
Floor total	348	sqft	698	Btuh
Infiltration	15	cfm	636	Btuh
Duct loss			0	Btuh
Subtotal			**4076**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**4076**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 348 sqft)

Load component			Load	
Window total	15	sqft	115	Btuh
Wall total	525	sqft	1093	Btuh
Door total	18	sqft	213	Btuh
Ceiling total	348	sqft	273	Btuh
Floor total			244	Btuh
Infiltration	11	cfm	227	Btuh
Internal gain			1430	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**3595**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			376	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			200	Btuh
Total latent gain			**576**	**Btuh**
TOTAL HEAT GAIN			**4171**	**Btuh**



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EnergyGauge® System Sizing
PREPARED BY:
DATE: 6-23-17

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Simque
Little Road
Lake City, FL 32024

Project Title:
Little Road addition

6/23/2017

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

Component Loads for Whole House

	Type*						Overhang		Window Area(sqft)			HTM		Load
Window	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.22, 0.33	I-A	No		S	1.5ft	1.3ft	15.0	15.0	0.0	8	9	115 Btuh
	Window Total								15 (sqft)					115 Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.6	106.2	2.2	234 Btuh
2	Frame - Wood - Adj	0.09	13.0/0.6	106.7	1.6	175 Btuh
3	Frame - Wood - Ext	0.09	13.0/0.6	92.0	2.2	202 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.6	42.7	2.2	94 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.6	27.7	2.2	61 Btuh
6	Frame - Wood - Ext	0.09	13.0/0.6	42.7	2.2	94 Btuh
7	Frame - Wood - Ext	0.09	13.0/0.6	106.7	2.2	234 Btuh
	Wall Total			525 (sqft)		1093 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	17.8	12.0	213 Btuh
	Door Total	18 (sqft)		213 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Cath/Sngl Assem/Light/Shingle	0.032	30.0/0.0	348.0	0.78	273 Btuh
	Ceiling Total			348 (sqft)		273 Btuh

Floors	*Type*	*R-Value*	*Size*	*HTM*	*Load*
1	Raised Wood - Adj	19.0	348 (sqft)	0.7	244 Btuh
	Floor Total		348.0 (sqft)		244 Btuh

	Envelope Subtotal:	1939 Btuh

Infiltration	Type	Average ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	Natural	0.23	2784	1	10.9	227 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		1	X 230	+	1200	1430 Btuh
				Sensible Envelope Load:		3595 Btuh
Duct load	Extremely sealed, Supply(R8.0-Condi), Return(R8.0-Condi)			(DGM of 0.000)		0 Btuh
				Sensible Load All Zones		**3595 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Simque
Little Road
Lake City, FL 32024

Project Title: Little Road addition
Climate:FL_GAINESVILLE_REGIONAL_A

6/23/2017

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**3595 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**3595 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**3595 Btuh**
Totals for Cooling	Latent infiltration gain (for 51 gr. humidity difference)	376 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (1.0 people @ 200 Btuh per person)	200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**576 Btuh**
	TOTAL GAIN	**4171 Btuh**

EQUIPMENT

1. Central Unit	#	12000 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

Simque
Little Road
Lake City, FL 32024

Project Title:
Little Road addition
Building Type: User

6/23/2017

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	S	15.0	13.2	198 Btuh
	Window Total				15.0(sqft)		198 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.086)	13.0/0.6	106	3.45	366 Btuh
2	Frame - Wood	- Adj	(0.086)	13.0/0.6	107	3.45	368 Btuh
3	Frame - Wood	- Ext	(0.086)	13.0/0.6	92	3.45	317 Btuh
4	Frame - Wood	- Ext	(0.086)	13.0/0.6	43	3.45	147 Btuh
5	Frame - Wood	- Ext	(0.086)	13.0/0.6	28	3.45	95 Btuh
6	Frame - Wood	- Ext	(0.086)	13.0/0.6	43	3.45	147 Btuh
7	Frame - Wood	- Ext	(0.086)	13.0/0.6	107	3.45	368 Btuh
	Wall Total				525(sqft)		1809 Btuh
Doors	Type	Storm	Ueff.		Area X	HTM=	Load
1	Insulated - Exterior, n		(0.400)		18	16.0	284 Btuh
	Door Total				18(sqft)		284Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area X	HTM=	Load
1	Cathedral/L/Shing		(0.032)	30.0/0.0	348	1.3	450 Btuh
	Ceiling Total				348(sqft)		450Btuh
Floors	Type		Ueff.	R-Value	Size X	HTM=	Load
1	Raised Wood - Adj		(0.050)	19.0	348.0 sqft	2.0	698 Btuh
	Floor Total				348 sqft		698 Btuh
					Envelope Subtotal:		3440 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural		*0.31*	*2784*	*1.00*	*14.5*	*636 Btuh*
Duct load	Extremely sealed, R8.0, Supply(Con), Return(Con)					(DLM of 0.000)	0 Btuh
All Zones				**Sensible Subtotal All Zones**			**4076 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	4076 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	4076 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Simque
Little Road
Lake City, FL 32024

Project Title:
Little Road addition
Building Type: User

6/23/2017

EQUIPMENT

1. Electric Heat Pump	#	12000 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

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	MASONITE	FIBERGLASS -	FI-8228-R7
A. SWINGING		OUTSWING	
B. SLIDING			
C. SECTIONAL/ROLL UP	CHI	SECTIONAL	FI-15012R1
D. OTHER			
2. WINDOWS	MI WINDOWS	VINYL SINGLE HUNG	FI-17676
A. SINGLE/DOUBLE HUNG	X		
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	CEDAR SHINGLES		
B. SOFFITS	ALUMINUM		
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	X		
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	X		
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

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

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

6-27-17

Contractor OR Agent Signature Date

NOTES: _____