Columbia County Building Permit Application ☒ PRUITT LINE.

For Office Use Only Application # 1203-16 Date Received 3/8 By LW Permit # 30021

Zoning Official BLK Date 6 MARCH 2012 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1 above Rd River N/A Plans Examiner T.C. Date 3-14-12

Comments _____

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

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

IMPACT FEES: EMS _____ Fire _____ Corr _____ ☑ Sub VF Form

Road/Code _____ School _____ = TOTAL (Suspended) ☐ App Fee Paid

Septic Permit No. 12-0108 Fax 386454 4244

Name Authorized Person Signing Permit Dennis ONeil Phone 386 454 2476

Address 235 NE 2ND St. High Springs, Fl. 32643

Owners Name Wade + Vivian Schile Phone _____

911 Address 319 Singleton Terr. Ft. White, Fl. 32038

Contractors Name ONeil Construction of High Springs Phone 386 454 2476

Address 235 NE 2ND St. High Springs, Fl.

Fee Simple Owner Name & Address Wade + Vivian Schile 5861 SW 51st terr. Miami, Fl. 31155

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address John Porfiri 2311 Sunset Dr. Eustis, Fl. 32726

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progress Energy

Property ID Number 25-6S-16-03942-000 Estimated Cost of Construction $20,000.

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions From 441 + CR 18 Go West toward Ft. White Go 3.8 mile T-R on Singleton Go .5 mile to Gate on R.

1 uninhabitable

_____ Number of Existing Dwellings on Property _____

Construction of SFR Total Acreage 33 Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 32'

Actual Distance of Structure from Property Lines - Front 480 Side 126 Side 285 Rear 2109

Number of Stories 1 Heated Floor Area 3371 Total Floor Area 4674 Roof Pitch 9/12

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. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

JW spoke w/Kelly 3.16.12 N/C # 20292

R 4/16/12

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 such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

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 BUILDING PERMITEE: ***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 COMMENCMENT 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.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 (Permitee)

Contractor's License Number CGC061581
Columbia County
Competency Card Number 15/3 70

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6th **day of** March **20**12.

Personally known ✓ **or Produced Identification**

State of Florida Notary Signature (For the Contractor)

SEAL:

WILSON A. STEEN
Notary Public, State of Florida
Commission# DD841644
My comm. expires Feb. 06, 2013

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 25-6S-16-03942-000 **Building permit No.** 000030021

Use Classification SFD, UTILITY **Fire:** 0.00

Permit Holder DENNIS ONIEL **Waste:**

Owner of Building WADE & VIVIAN SCHILE **Total:** 0.00

Location: 319 SW SINGLETON TERR, FT WHITE, FL 32038

Date: 02/21/2013

Building Inspector

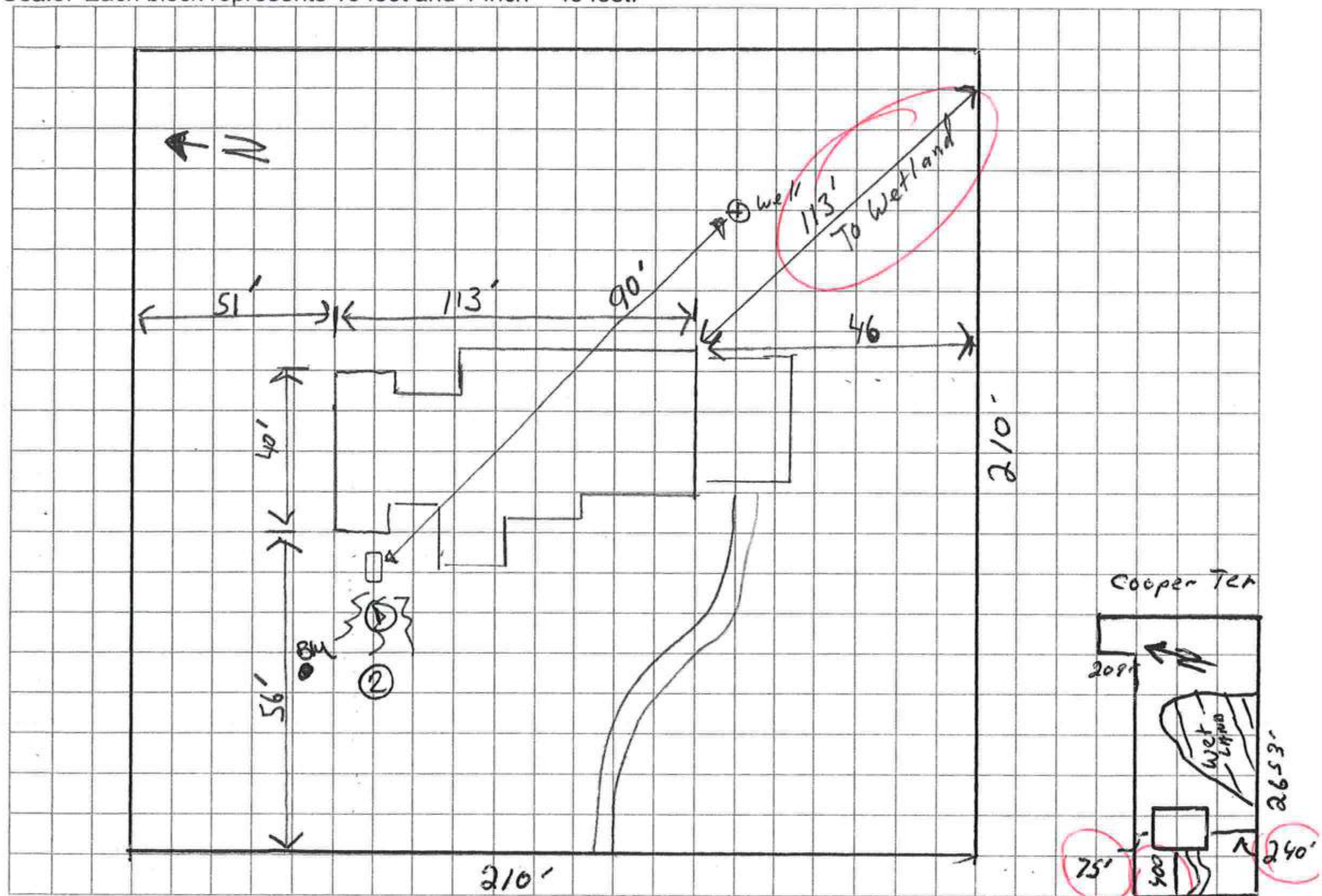
POST IN A CONSPICUOUS PLACE
(Business Places Only)

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 12-2188

- PART II - SITEPLAN -

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



Notes: 1 acre of 33 acres

Site Plan submitted by: X Dan O'[illegible] 2-28

Signature Title

Plan Approved Y Not Approved_____ Date 3/8/12

By________________________ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

SW 03942064
SIB|2 31112

FW

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

PERMIT NO. 12-0108
DATE PAID: 2/28/12
FEE PAID: 425.00
RECEIPT #: 1839237

APPLICATION FOR:

[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] ______

APPLICANT: Wade Schile

AGENT: ONeil Construction of High Springs Inc. TELEPHONE: 3864542476

MAILING ADDRESS: 235 NE 2ND Street High Springs, Fl 32643

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.

PROPERTY INFORMATION

LOT: ______ BLOCK: ______ SUBDIVISION: ______ PLATTED: ______

PROPERTY ID #: 25-6S-16-03942-000 ZONING: Res I/M OR EQUIVALENT: [Y / N]

PROPERY SIZE: 33 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: 319 SW Singleton Terr. Ft. White Fl.

DIRECTIONS TO PROPERTY: From 441 and CR 18 Go W towards Ft. White Go 3.8 miles t.R on Singleton Terr. Go .5 mile to Gate on R

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	SFR	3	3372	
2				
3				
4				

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

SIGNATURE: Don O'Neil DATE: 2-23-12

TOMAHAWK CT
BUFFALO CT
BEAVER ST
LAZY ACRES CT
ELIM CHURCH RD
SPARKLE GLN
SINGLETON TER
GRIFFIN CT
COOPER TER
OLD NIBLACK AVE
LEGREE TER

1203-16

1203-16

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 3/16/2012 **DATE ISSUED:** 3/21/2012

ENHANCED 9-1-1 ADDRESS:

319 SW SINGLETON TER

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

25-6S-16-03942-000

Remarks:

RE-ISSUE OF EXISTING ADDRESS FOR NEW STRUCTURE ON PARCEL.

Address Issued By: SIGNED: / RONAL N. CROFT
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

2239

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1203-16 CONTRACTOR ONeil Construction of North Florida PHONE 3864543473

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

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

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

ELECTRICAL	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C	Print Name License #:	Signature Phone #:
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR 1187	CBC1256583	John M. Pruitt	UAD
METAL BLDG ERECTOR			

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

Contractor Forms: Subcontractor form 6/09

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1203-16 CONTRACTOR O'Neil Construction of N.Fla & S.E. Ga PHONE 386 454 4244

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

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

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

ELECTRICAL 380	Print Name Donald Davis	Signature
	License #: EC 0002706	Phone #: 386-623-0469
MECHANICAL/ A/C	Print Name Larry C. Redmond	Signature
	License #: CAC056977	Phone #:
PLUMBING/ GAS 728	Print Name Daniel Ray Mortensen	Signature
	License #: CFC1427326	Phone #: 386-288-5111
ROOFING	Print Name	Signature
	License #:	Phone #:
SHEET METAL	Print Name	Signature
	License #:	Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name	Signature
	License #:	Phone #:
SOLAR	Print Name	Signature
	License #:	Phone #:

MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1203-16 CONTRACTOR O'Neil Construction of High Springs PHONE 386-454-4244

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

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING 1270	Print Name Jeff Baker License #: CCC 1329756	Signature _____ Phone #: 352-339-6387
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	000561	Jeff Moser	
PLASTER	000561	Southern Style Plastering	
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

Contractor Forms: Subcontractor form: 6/09

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1203-16 CONTRACTOR [illegible] PHONE [illegible]

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

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

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

ELECTRICAL	Print Name Donnie Davis License #: 380/440	Signature See attached Phone #:
MECHANICAL/ A/C ____	Print Name Larry Resmondo License #: 522	Signature See attached Phone #:
PLUMBING/ GAS	Print Name Marian Van Mersbergen License #: 428	Signature See attached Phone #:
ROOFING	Print Name: Jeff BOKOR License #: CCC 1329756	Signature See attached Phone #:
SHEET METAL	Print Name N/A License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A License#:	Signature Phone #:
SOLAR	Print Name N/A License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON 513	CGC 061581		Don O'Neil
CONCRETE FINISHER 513	CGC 061581		Don O'Neil
FRAMING 513	CGC 061581		Don O'Neil
INSULATION	741	Patsy Bowen	See Attached
STUCCO	N/A		
DRYWALL	561	Jeff Moser	See Attached
PLASTER	561	JEFF MOSER	
CABINET INSTALLER 513	CGC 061581		Don O'Neil
PAINTING	000075	James B Parrish	LIAB/WC
ACOUSTICAL CEILING	N/A		
GLASS	N/A		
CERAMIC TILE			
FLOOR COVERING 513	CGC 061581		Don O'Neil
ALUM/VINYL SIDING	N/A		
GARAGE DOOR	1187	Alachua Door	See Attached
METAL BLDG ERECTOR	N/A		

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

O'Neil Construction (386)454-4244 p.1
(386)454-4244 p.2

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1203-16 CONTRACTOR O'Neil Construction PHONE (386)454-4244

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

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

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

ELECTRICAL	Print Name Donald Davis	Signature
	License #: EC 0[illegible]3706	Phone #: 321-623-0499
MECHANICAL/ A/C	Print Name	Signature
	License #:	Phone #:
PLUMBING/ GAS	Print Name	Signature
	License #	Phone #:
ROOFING	Print Name	Signature
	License #:	Phone #:
SHEET METAL	Print Name	Signature
	License #:	Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name	Signature
	License#:	Phone #:
SOLAR	Print Name	Signature
	License #:	Phone #:

Specialty License	License Number	Sub Contractors Printed Name	Sub Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
✓ INSULATION	000791	SUNCoast INSulators Patsy Bowen	
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1203-16 CONTRACTOR DENNIS O'NEIL PHONE 386 454 2476

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

ELECTRICAL	Print Name	Signature
	License #:	Phone #:
MECHANICAL/ A/C 956	Print Name Charles W Fischer II	Signature
	License #: CAC057846	Phone #: 386-454-4767
PLUMBING/ GAS	Print Name	Signature
	License #:	Phone #:
ROOFING	Print Name	Signature
	License #:	Phone #:
SHEET METAL	Print Name	Signature
	License #:	Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name	Signature
	License#:	Phone #:
SOLAR	Print Name	Signature
	License #:	Phone #:

MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured

Columbia County Property Appraiser

DB Last Updated: 3/12/2012

2011 Tax Year

Tax Collector | Tax Estimator | Property Card | Parcel List Generator | Interactive GIS Map | Print

Parcel: 25-6S-16-03942-000

<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	SCHILE WADE E & VIVIAN B &		
Mailing Address	SCHILE DAVID 5861 SW 51ST TERR MIAMI, FL 31155		
Site Address	319 SW SINGLETON TER		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	3 (County)	**Neighborhood**	25616
Land Area	33.000 ACRES	**Market Area**	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

32 AC OFF THE S SIDE OF S1/2 OF SE1/4 & 1 AC IN SE COR OF THE N 24 AC OF SE1/4 OF SE1/4. UNREC DC ON WILLIE NIBLACK JR. PROB #96-66-CP ORB 821-1841, WD 979-1230, DC SHIRLEY SCHILE ORB 1184-2583.

Property & Assessment Values

2011 Certified Values		
Mkt Land Value	cnt: (0)	$91,416.00
Ag Land Value	cnt: (1)	$0.00
Building Value	cnt: (1)	$3,514.00
XFOB Value	cnt: (1)	$2,500.00
Total Appraised Value		$97,430.00
Just Value		$97,430.00
Class Value		$0.00
Assessed Value		$97,430.00
Exempt Value		$0.00
Total Taxable Value		Cnty: $97,430 Other: $97,430 | Schl: $97,430

2012 Working Values

NOTE:
2012 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Show Working Values

Sales History

Show Similar Sales within 1/2 mile

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
4/2/2003	979/1230	WD	I	Q		$78,900.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1934	MINIMUM (01)	764	925	$3,514.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0296	SHED METAL	2010	$2,500.00	0000001.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	33 AC	1.00/1.00/1.00/1.00	$2,493.18	$82,274.00

Columbia County Property Appraiser DB Last Updated: 3/12/2012

1 of 1

Inst:2003006815 Date:04/03/2003 Time:08:33
Doc Stamp-Deed : 552.30
MLK DC,P.DeWitt Cason,Columbia County B:979 P:1230

13035

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 2nd day of April A.D., 2003

Alice Speed Niblack, a single person
hereinafter called the grantor, to

Wade E. Schile, and his wife, Vivian B. Schile and David Schile and Shirley M. Schile, as Joint Tenants With Right of Survivorship

whose post office address is: 5861 SW 51st Ter., Miami, FL 31155
hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of $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: Parcel ID# R03942-000

Parcel 1:
One acre in the Southeast corner of the following description:
Twenty-four acres off the North side of the SE 1/4 of the SE 1/4, Section 25, Township 6 South, Range 16 East, Columbia County, Florida
AND
Parcel 2:
Thirty-two acres off the S 1/2 of the SE 1/4, Section 25, Township 6 South, Range 16 East, Columbia County, Florida.

TOGETHER with all 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, 2002.

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:

Lyndi Skinner
Witness: LYNDI SKINNER

Alice Speed Niblack
Alice Speed Niblack

[redacted]
Witness:

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 2nd day of April, 2003 by Alice Speed Niblack, a single person, personally known to me or, if not personally known to me, who produced a Driver's License for identification and who did not take an oath.

Lyndi Skinner
Notary Public

(Notary Seal)
Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
420 W. Baya Avenue
Lake City, FL 32055

Lyndi Skinner
My Commission DD186798
Expires September 17, 2006

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst:201212003116 Date:2/27/2012 Time:4:09 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1230 P:1478

Tax Parcel Identification Number:

25-6S-16-03942-000

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)*: 25-6S-16-03942-000
   a) Street *(job)* Address: 319 SINGLETON TERRACE, FT. WHITE, FL.
2. General description of improvements: SFR
3. Owner Information
   a) Name and address: WADE E. SCHILE 5861 SW 51st TERR. Miami, Fl. 33155
   b) Name and address of fee simple titleholder (if other than owner) SAME
   c) Interest in property OWNER
4. Contractor Information
   a) Name and address: ONeil Construction of High Springs, Inc.
   b) Telephone No.: 386 454 2476 Fax No. (Opt.) 386 454 4244
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond: —
   c) Telephone No.: — Fax No. (Opt.) —
6. Lender
   a) Name and address: N/A
   b) Phone No. —
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: DENNIS ONEIL
   b) Telephone No.: 386 454 2476 Fax No. (Opt.) 386 454 4244
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: Dennis ONeil 235 NE 2ND Street High Springs, Fl.
   b) Telephone No.: 386 454 2476 Fax No. (Opt.) 386 454 4244
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**:

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

WADE SCHILE
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 17 day of Feb, 20 12, by: Wade Schile as OWNER **(type of authority, e.g. officer, trustee, attorney fact) for** Home Owner **(name of party on behalf of whom instrument was executed).**

Personally Known ____ OR Produced Identification — Type Florida Driver License

Notary Signature Sandra J Webb

Notary Stamp or Seal:

SANDRA J. WEBB
Notary Public, State of Florida
Commission# EE 49696
My comm. expires Dec. 17, 2014

---AND---

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

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

COLUMBIA COUNTY BUILDING DEPARTMENT 6-25-09
RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.)	3,372 SF	Total (Sq. Ft.) under roof 3,880 SF	IIIIIIII	IIIIIIII	IIIII

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations Drawing including:

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

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade			✓
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	✓		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

45	Show required amount of ventilation opening for under-floor spaces			✓
46	Show required covering of ventilation opening			✓
47	Show the required access opening to access to under-floor spaces			✓
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & inter of the areas structural panel sheathing			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	✓		
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

FBCR :ROOF SYSTEMS:

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

* TRUSS DWGS & ENGR. TO BE ~~SUBMITTED~~ LATER.

FBCR 802:Conventional Roof Framing Layout

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

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

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

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.			✓
32	Assumed load-bearing valve of soil 2000 Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story N/A

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			✓
42	Attachment of joist to girder			✓
43	Wind load requirements where applicable			✓
44	Show required under-floor crawl space			✓

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

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

FBCR ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	**NO**	**N/A**
73	Show the insulation R value for the following areas of the structure			
74	Attic space	✓		
75	Exterior wall cavity	✓		
76	Crawl space			✓

HVAC information

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

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan		✓	
81	Show the location of water heater TANKLESS W.H.'S	✓		

Private Potable Water

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

Electrical layout shown including

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

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

Notice Of Commencement

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

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap			✓
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓

98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			
100	A development permit will also be required. Development permit cost is **$50.00**			
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. Existing			
102	**911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 EXISTING			

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

When the submitted application is approved for permitting the applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

FORM 600A-07 — **Alternate Residential Points System Method** — **NORTH 1 2 3**

PROJECT NAME AND ADDRESS:	SCHILE RESIDENCE 319 SINGLETON TERR FT. WHITE, FL	**BUILDER:** Dennis Oniel **PERMITTING OFFICE:** COLUMBIA COUNTY	**CLIMATE ZONE:** 1 ☐ 2 ☐ 3 ☒
OWNER:	M/M WADE SCHILE	**PERMIT NO.:** 00030021	**JURISDICTION NO.:** 221000

	Please Type	CK
1. New construction or addition	1. NEW	
2. Single-family detached or Multiple-family attached	2. S.F. DETACHED	
3. If Multiple-family–No. of units covered by this submission	3.	
4. Is this a worst case? (yes/no)	4. No	
5. Conditioned floor area (sq. ft.)	5. 3235 sq. ft.	
6. Predominant eave overhang (ft.)	6. 2.0 ft.	
7. Glass type[1] and area: (Label required by 13-104.4.5 if not default)	Description / Area	
a. *U*-factor: (or Single- or Double-Pane DEFAULT)	7a. DEFAULT DBL sq. ft.	
b. SHGC: (or Clear or Tint DEFAULT)	7b. DEFAULT CLR sq. ft.	
8. Floor type and insulation:		
(a.) Slab-on-grade (*R*-value + perimeter)	8a. R = 0, 344 l. ft.	
b. Wood, raised (*R*-value + sq. ft.)	8b. R = ____, ____ sq. ft.	
c. Concrete, raised (*R*-value)	8c. R = ____, ____ sq. ft.	
9. Net wall type, area and insulation:		
a. Exterior: (1.) Concrete block (Insulation *R*-value)	9a-1 R = 5/10, 3098 sq. ft.	
2. Wood frame (Insulation *R*-value)	9a-2 R = ____, ____ sq. ft.	
3. Steel frame (Insulation *R*-value)	9a-3 R = ____, ____ sq. ft.	
4. Log (Insulation *R*-value)	9a-4 R = ____, ____ sq. ft.	
5. Other: ____		
b. Adjacent: 1. Concrete block (Insulation *R*-value)	9b-1 R = ____, ____ sq. ft.	
2. Wood frame (Insulation *R*-value)	9b-2 R = ____, ____ sq. ft.	
3. Steel frame (Insulation *R*-value)	9b-3 R = ____, ____ sq. ft.	
4. Log (Insulation *R*-value)	9b-4 R = ____, ____ sq. ft.	
10. Ceiling type, area and insulation:		
(a) Under attic (Insulation *R*-value)	10a. R-38 3235 sq. ft.	
b. Single assembly (Insulation *R*-value)	10b. ____ ____ sq. ft.	
c. Radiant barrier, IRCC or white roof installed?	10c. ____	
11. Air distribution system:		
a. Ducts (Insulation + Location)	11a. R = 6, COND (cond./uncond.)	
b. Air Handler (Location)	11b. R = ____, COND (cond./uncond.)	
12. Cooling system: (Types: central-split, central-single pkg., room unit, PTAC, gas, none)	12a. Type: CENTRAL-SPLIT	
	12b. SEER/EER/COP: 14.8	
	12c. Capacity: ____	
13. Heating system: (Types: heat pump, elec. strip, nat. gas, LP gas, gas h.p., room or PTAC, none)	13a. Type: ELECT. STRIP	
	13b. HSPF/COP/AFUE: ____	
	13c. Capacity: ____	
14. Hot water system: (Types: elec., natural gas, solar, LP gas, none)	14a. Type: ELECT. TANKLESS	
	14b. EF: .97	
15. Hot water credits	15a. ____	
a. Heat Recovery (HR)	15b. ____	
b. Dedicated Heat Pump (DHP)	15c. ____	
c. Solar	16. PT, CV, MZ	
16. HVAC Credits (Use: CF-ceiling fan, CV-cross vent, PT-programmable thermostat, HF-whole house fan, MZ-Multizone)	17. PASS	
	17a. 39,835 17b. 40,154	

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

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

PREPARED BY: JOHN PORFIRI **DATE:** 12-20-11

I hereby certify that this building is in compliance with the Florida Energy Code:

OWNER AGENT: JOHN **DATE:** 12-20-11

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: ____

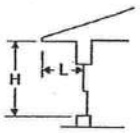
DATE: ____

[1] Predominant glass type. For actual glass type and areas, see summer and winter glass output on Pages 2 and 4.

SUMMER CALCULATIONS

CLIMATE ZONES 1 2 3

GLASS	ORIENTATION	OVERHANG LENGTH OH (FEET)	GLASS AREA (SQ. FT.)	SINGLE-PANE SUMMER POINT MULTIPLIER CLEAR	SINGLE-PANE SUMMER POINT MULTIPLIER TINT[2]	DOUBLE-PANE SUMMER POINT MULTIPLIER CLEAR	DOUBLE-PANE SUMMER POINT MULTIPLIER TINT[2]	SUMMER OH FACTOR (from 6A-1)	AS-BUILT GLASS SUMMER PTS
	N	2.0	56.0	21.73	17.28	19.20	14.84	.930	1000
	NE			33.55	27.37	29.56	23.48		
	E	2.0	43.4	47.92	39.62	42.06	33.89	.898	1639
	SE			48.65	40.24	42.75	34.47		
	S	2.0	12.5	40.81	33.55	35.87	28.73	.835	374
	SW			45.75	37.77	40.16	32.30		
	W	2.0	50.0	43.84	36.13	38.52	30.93	.899	1731
	NW			29.42	23.83	25.97	20.48		
	H[1]			84.46	68.97	74.77	59.51		
	E	13.0	72.0			42.06		.470	1423
	E	1.5	23.6			42.06		1.0	993
	W	13.0	52.2			38.52		.485	975
	W	1.5	23.6			38.52		1.0	909
	S	26.0	19.3			35.87		.432	299



OVERHANG RATIO = OH LENGTH / OH HEIGHT

GLASS	.18 X	COND FLOOR AREA	X	WEIGHTED GLASS MULTIPLIER	=	BASE GLASS SUBTOTAL
	.18	3235		18.59		10,824

AS-BUILT GLASS SUBTOTAL: 9343

	COMPONENT DESCRIPTION	AREA	X	BASE SUMMER POINT. MULT	BASE SUMMER POINTS	COMPONENT DESCRIPTION	AREA	X	SUMMER POINT MULT. (6A-2 THRU 6A-6)	=	AS-BUILT SUMMER POINTS
WALL	EXTERIOR	3098		1.5	4647	WALL 1	2770		.7		1939
	ADJACENT			.6		WALL 2	328		.6		197
DOORS	EXTERIOR	80		6.1	488	EXTERIOR	80		6.1		488
	ADJACENT			2.4							
CEILING	UNDER ATTIC OR SINGLE ASSEMBLY	3235		1.73	5597	UNDER ATTIC	3235		1.52		
						RBS/IRCC/white roof[3]			x.550		2704
	BASE CEILING AREA EQUALS FLOOR AREA DIRECTLY UNDER CEILING, AS-BUILT CEILING AREA EQUALS ACTUAL CEILING SQUARE FOOTAGE.										
FLOOR	SLAB (PERIMETER)	344		-41.2	(14,173)	SLAB	344		-41.2		(14,173)
	RAISED (AREA)			-.98							
	FOR SLAB-ON-GRADE USE PERIMIETER LENGTH AROUND CONDITIONED FLOOR. FOR RAISED FLOORS USE AREA OVER UNCONDITIONED SPACE.										
INFILTRATION & INTERNAL GAINS		3235		10.21	33,029	INFILTR.	3235		10.21		33,029
	USE TOTAL FLOOR AREA OF CONDITIONED SPACE.										
TOTAL COMPONENT BASE SUMMER POINTS					40,412	TOTAL COMPONENT AS-BUILT SUMMER POINTS					33,527

COOLING SYSTEM	Base Cooling System Multiplier	X	Total Base Summer Points	=	BASE COOLING POINTS
	.325		40,412		13,134

TOTAL AS-BUILT SUM. PTS.	X	As-Built DM (6A-8)	X	As-Built DSM (6A-20)	X	As Built AHU (6A-7)	X	As Built CSM (6A-9)	X	As Built CCM (6A-19)	=	AS-BUILT COOLING POINTS
33,527		1.0		1.15 or (1.0)		.91		.24		.95		6956

HOT WATER SYSTEM	Number of bedrooms	X	Base Hot Water Multiplier	=	BASE HOT WATER POINTS
	3		2635		7905

AS-BUILT HOT WATER SYSTEM DESC.	Number of bedrooms	X	As-Built HWM (6A-22)	X	As Built HWCM (6A-23)	=	AS-BUILT HOT WATER POINTS
TANKLESS	3		2491		1.0		7473

[1] H = HORIZONTAL GLASS (SKYLIGHTS)

[2] FOR GLASS WITH KNOWN SHGC, SEE SECTION 2.1.1 APPENDIX C. TINT MULTIPLIERS MAY BE USED FOR GLASS WITH SOLAR SCREENS, FILM, OR TINT.

[3] MUST MEET CRITERIA OF S.607.1.A.

SUMMER POINT MULTIPLIERS (SPM)

CLIMATE ZONES 1 2 3

6A-1 SUMMER OVERHANG FACTORS (SOF) FOR SINGLE-AND DOUBLE-PANE GLASS

SELECT BY OR

OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
North	1.00	0.993	0.971	0.930	0.888	0.842	0.803	0.766	0.736	0.681	0.634	0.593
Northeast	1.00	0.996	0.967	0.907	0.845	0.775	0.717	0.662	0.619	0.545	0.487	0.441
East	1.00	0.994	0.963	0.898	0.827	0.745	0.675	0.609	0.558	0.470	0.405	0.357
Southeast	1.00	0.998	0.952	0.864	0.777	0.689	0.623	0.566	0.525	0.459	0.413	0.379
South	1.00	0.989	0.931	0.835	0.751	0.675	0.620	0.575	0.543	0.493	0.458	0.432
Southwest	1.00	0.998	0.953	0.866	0.779	0.691	0.623	0.565	0.522	0.453	0.404	0.368
West	1.00	0.994	0.963	0.899	0.828	0.748	0.681	0.617	0.569	0.485	0.422	0.375
Northwest	1.00	0.996	0.968	0.913	0.858	0.797	0.748	0.702	0.667	0.605	0.556	0.516
OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-2 WALL SUMMER POINT MULTIPLIERS (SPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
	WOOD		STEEL			INTERIOR INSULATION		EXT. INSUL.	R-VALUE	WOOD FR	R-VALUE	BLOCK		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	0-6.9	2.4	0-2.9	1.0			
0-6.9	5.5	2.2	7.6	2.8	0-2.9	2.2	1.1	2.2	7-10.9	.6	3-6.9	.6	R-VALUE	EXT	EXT
7-10.9	2.1	.8	3.5	1.3	3-4.9	1.3	.8	.8	11-18.9	.4	7-9.9	.4	0-2.9	1.5	1.0
11-12.9	1.7	.7	2.7	1.0	5-6.9	1.0	.7	.5	19-25.9	.2	10 & UP	.2	3-6.9	1.0	.7
13-18.9	1.5	.6	2.5	0.9	7-10.9	.7	.5	.3	26 & UP	.1			7 & UP	.8	.6
19-25.9	.9	.4	2.2	0.8	11-18.9	.4	.4	0							
26 & UP	.6	.2	1.2	0.4	19-25.9	.2	.2								
					26 & UP	.1	.1								

NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTIPLIERS OF ENVELOPE COMPONENTS NOT ON THIS FORM.

6A-3 DOOR SUMMER POINT MULTIPLIERS (SPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	6.1	2.4
INSULATED	4.1	1.6

6A-4 CEILING SUMMER POINT MULTIPLIERS (SPM)

UNDER ATTIC		SINGLE ASSEMBLY		CONCRETE DECK ROOF		
					CEILING TYPE	
R-VALUE	SPM	R-VALUE	SPM	R-VALUE	EXPOSED	DROPPED
19-21.9	2.34	10-10.9	8.49	10-13.9	9.13	8.47
22-25.9	2.11	11-12.9	7.97	14-20.9	6.80	6.45
26-29.9	1.89	13-18.9	7.14	21 & UP	4.92	4.63
30-37.9	1.73	19-25.9	5.64			
38 & UP	1.52	26-29.9	4.75			
RBS Credit	0.700	30 & UP	4.40			
IRCC Credit	0.849					
White Roof Credit	0.550					

6A-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SLAB-ON-GRADE EDGE INSULATION		RAISED CONCRETE		RAISED WOOD			
					POST OR PIER CONSTRUCTION	STEM WALL w/UNDER FLOOR INSULATION	ADJACENT
R-VALUE	SPM	R-VALUE	SPM	R-VALUE	SPM	SPM	SPM
0-2.9	-41.2	0-2.9	-.8	0-6.9	2.80	-4.7	2.2
3-4.9	-37.2	3-4.9	-1.3	7-10.9	1.34	-2.3	.8
5-6.9	-36.2	5-6.9	-1.3	11-18.9	1.06	-1.9	.7
7 & UP	-35.7	7 & UP	-1.3	19 & UP	.77	-1.5	.4

6A-6 INFILTRATION & INTERNAL GAINS (SPM)

Air Infiltration	3.44
Internal Gains	+6.77
Infiltration/Internal Gains (Combined)	10.21

6A-7 AIR HANDLER MULTIPLIERS (SPM)

Located in garage	1.00
Located in conditioned area	0.91
Located on exterior of building	1.02
Located in attic	1.11

6A-8 DUCT MULTIPLIERS (DM) See Table 13-610.1.ABC.2.1 for code minimums.

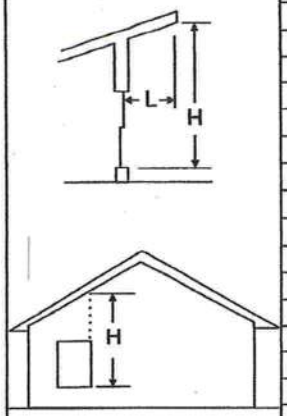
SUPPLY DUCTS IN:	DUCT R-VALUE	RETURN DUCTS IN:				
		Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ Cool roof	Conditioned space
Unconditioned Space	4.2	1.118	1.111	1.112	1.089	1.107
	6.0	1.090	1.084	1.085	1.066	1.081
	8.0	1.071	1.066	1.067	1.051	1.064
Attic/Radiant Barrier (RBS)	4.2	1.072	1.066	—	—	1.061
	6.0	1.056	1.051	—	—	1.047
	8.0	1.045	1.041	—	—	1.037
Attic/Interior Radiation Control Coatings (IRCC)	4.2	1.099	—	1.092	—	1.084
	6.0	1.076	—	1.071	—	1.065
	8.0	1.061	—	1.057	—	1.052
Attic/Cool Roof	4.2	1.068	—	—	1.096	1.057
	6.0	1.051	—	—	1.071	1.043
	8.0	1.040	—	—	1.055	1.034
Conditioned Space	4.2	1.006	1.005	1.007	1.008	1.000
	6.0	1.005	1.004	1.005	1.006	1.000
	8.0	1.004	1.003	1.004	1.005	1.000

6A-9 COOLING SYSTEM MULTIPLIERS (CSM)

SYSTEM TYPE See Table 13-607.1.ABC.3.2.A,B,D for code minimums		COOLING SYSTEM MULTIPLIERS (CSM)										
Central Units (SEER)	Rating		7.5-7.9	8.0-8.4	8.5-8.8	8.9-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.4	11.5-11.9	12.0-12.4
	CSM		.45	.43	.40	.38	.36	.34	.32	.31	.30	.28
PTAC & Room Units (EER)	Rating	12.5-12.9	13.0-13.4	13.5-13.9	14.0-14.4	14.5-14.9	15.0-15.4	15.5-15.9	16.0-16.4	16.5-16.9	17.0-17.4	17.5 & UP
	CSM	.27	.26	.25	.24	.24	.23	.22	.21	.21	.20	.19

WINTER CALCULATIONS

CLIMATE ZONES 1 2 3



	ORIENTATION	OVERHANG LENGTH OH (FEET)	GLASS AREA (SQ. FT.)	SINGLE-PANE WINTER POINT MULTIPLIER CLEAR	SINGLE-PANE WINTER POINT MULTIPLIER TINT[2]	DOUBLE-PANE WINTER POINT MULTIPLIER CLEAR	DOUBLE-PANE WINTER POINT MULTIPLIER TINT[2]	WINTER OH FACTOR (from 6A-10)	AS-BUILT GLASS WINTER PTS
GLASS	N	2.0	56.0	33.22	34.06	24.58	25.37	1.003	1381
	NE			32.04	33.05	23.57	24.53		
	E	2.0	43.4	26.41	28.18	18.79	20.51	1.040	848
	SE			21.82	24.24	14.71	17.06		
	S	2.0	12.5	20.24	22.87	13.30	15.87	1.142	190
	SW			24.09	26.20	16.74	18.79		
	W	2.0	50.0	28.84	30.32	20.73	22.15	1.027	1064
	NW			32.93	33.82	24.30	25.14		
	[1]H			29.19	31.47	19.86	22.11		
	E	13.0	72.0			18.79		1.338	1810
	E	1.5	23.6			18.79		1.0	443
	W	13.0	52.2			20.73		1.187	1284
	W	1.5	23.6			20.73		1.0	489
	S	26.0	19.3			13.30		3.661	940

	.18 X COND. FLOOR AREA	X WEIGHTED GLASS MULTIPLIER	= BASE GLASS SUBTOTAL	AS-BUILT GLASS SUBTOTAL
GLASS	.18	20.17		8449

	COMPONENT DESCRIPTION	AREA	X BASE WINTER POINT. MULT.	= BASE WINTER POINTS	COMPONENT DESCRIPTION	AREA	WINTER POINT MULT. (6A-11 THRU 6A-15)	AS-BUILT WINTER POINTS
WALL	EXTERIOR	3098	3.4	10,533	WALL 1	2770	3.0	8310
	ADJACENT		3.3		WALL 2	328	3.8	332
DOORS	EXTERIOR	80	12.3	984	EXTERIOR	80	12.3	984
	ADJACENT		11.5					
CEILING	UNDER ATTIC OR SINGLE ASSEMBLY	3235	2.05	6632	UNDER ATTIC	3235	1.81	
					RBS/IRCC/white roof[3]		x 1.04	6090
	BASE CEILING AREA EQUALS FLOOR AREA DIRECTLY UNDER CEILING, AS-BUILT CEILING AREA EQUALS ACTUAL CEILING SQUARE FOOTAGE.							
FLOOR	SLAB (PERIMETER)	344	18.8	6467	SLAB	344	18.8	6467
	RAISED (AREA)		1.38					
	FOR SLAB-ON-GRADE USE PERIMETER LENGTH AROUND CONDITIONED FLOOR. FOR RAISED FLOORS USE AREA OVER UNCONDITIONED SPACE.							
INFILTRATION & INTERNAL GAINS		3235	-0.58	(1876)	INFILTR.		-0.58	(1876)
	USE TOTAL FLOOR AREA OF CONDITIONED SPACE.							
TOTAL COMPONENT BASE WINTER POINTS				34,505	TOTAL COMPONENT AS-BUILT WINTER POINTS			28,756

HEATING SYSTEM	Base Heating System Multiplier	X Total Base Winter Points	= BASE HEATING POINTS	TOTAL AS-BUILT WIN. PTS.	X As-Built DM (6A-17)	X As-Built DSM (6A-20)	X As Built AHU (6A-16)	X As Built HSM (6A-18)	X As Built HCM (6A-21)	= AS-BUILT HEATING POINTS
	.554	34,505	19,115	28,756	1.0	1.17 or (1.0)	.93	1.0	.95	25,406

	BASE COOLING POINTS (From P. 2)	+ BASE HEATING POINTS	+ BASE HOT WATER POINTS (From P. 2)	= TOTAL BASE POINTS (Enter on P. 1)	AS-BUILT COOLING POINTS (From P. 2)	+ AS-BUILT HEATING POINTS	+ AS-BUILT HOT WATER POINTS (From P. 2)	= TOTAL AS-BUILT POINTS (Enter on P. 1)
	13,134	19,115	7905	40,154	6956	25,406	7473	39,835

[1]H = HORIZONTAL GLASS (SKYLIGHTS)

[2] FOR GLASS WITH KNOWN SHGC, SEE SECTION 2.1.1, APPENDIX C. TINT MULTIPLIERS MAY BE USED FOR GLASS WITH SOLAR SCREENS, FILM, OR TINT.

[3]MUST MEET CRITERIA OF S.607.1A.

WINTER POINT MULTIPLIERS (WPM)

6A-10 WINTER OVERHANG FACTORS (WOF)

SELECT BY OR

OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
North	1.00	1.000	1.001	1.003	1.005	1.009	1.011	1.014	1.016	1.021	1.024	1.027
Northeast	1.00	0.998	1.001	1.008	1.015	1.023	1.029	1.035	1.040	1.049	1.056	1.061
East	1.00	1.007	1.018	1.040	1.069	1.109	1.150	1.198	1.242	1.338	1.429	1.507
Southeast	1.00	1.014	1.043	1.111	1.202	1.332	1.472	1.635	1.787	2.113	2.412	2.650
South	1.00	0.994	1.032	1.142	1.308	1.563	1.845	2.175	2.471	3.042	3.450	3.661
Southwest	1.00	1.006	1.025	1.070	1.131	1.217	1.308	1.413	1.508	1.708	1.888	2.031
West	1.00	1.002	1.010	1.027	1.049	1.077	1.102	1.128	1.149	1.187	1.217	1.238
Northwest	1.00	0.999	1.000	1.004	1.008	1.012	1.016	1.019	1.022	1.028	1.032	1.036
OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-11 WALL WINTER POINT MULTIPLIERS (WPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
	WOOD		STEEL			INTERIOR INSULATION		EXT. INSUL.	R-VALUE	WOOD FR	R-VALUE	BLOCK		6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	0-6.9	12.6	0-2.9	7.9			
0-6.9	11.1	10.4	15.1	13.1	0-2.9	11.2	6.8	11.2	7-10.9	4.2	3-6.9	5.7	R-VALUE	EXT	EXT
7-10.9	4.4	4.4	7.3	6.6	3-4.9	7.3	5.1	5.6	11-18.9	3.5	7-9.9	3.8	0-2.9	4.5	3.0
11-12.9	3.7	3.6	5.7	5.2	5-6.9	5.7	4.2	4.3	19-25.9	2.2	10 & UP	3.0	3-6.9	2.8	2.2
13-18.9	3.4	3.3	5.2	4.9	7-10.9	4.6	3.5	3.3	26 & UP	1.4			7 & UP	2.1	1.7
19-25.9	2.2	2.2	4.6	4.4	11-18.9	3.0	2.6	2.2							
26 & Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7								
					26 & UP	1.3	1.2								

NOTE: SEE SECTION 2.0 OF APPENDIX C FOR MULTIPLIERS OF ENVELOPE COMPONENTS NOT ON THIS FORM.

6A-12 DOOR WINTER POINT MULTIPLIERS (WPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	12.3	11.5
INSULATED	8.4	8.0

6A-13 CEILING WINTER POINT MULTIPLIERS (WPM)

UNDER ATTIC		SINGLE ASSEMBLY		CONCRETE DECK ROOF		
					CEILING TYPE	
R-VALUE	WPM	R-VALUE	WPM	R-VALUE	EXPOSED	DROPPED
19-21.9	2.70	10-10.9	2.87	10-13.9	3.16	2.91
22-25.9	2.45	11-12.9	2.70	14-20.9	2.31	2.14
26-29.9	2.22	13-18.9	2.40	21 & UP	1.47	1.47
30-37.9	2.05	19-25.9	1.86			
38 & UP	1.81	26-29.9	1.54			
RBS Credit	0.850	30 & UP	1.43			
IRCC Credit	0.912					
White Roof Credit	1.044					

6A-14 FLOOR WINTER POINT MULTIPLIERS (WPM)

SLAB-ON-GRADE EDGE INSULATION		RAISED CONCRETE		RAISED WOOD			
					POST OR PIER CONSTRUCTION	STEM WALL w/UNDER FLOOR INSULATION	ADJACENT
R-VALUE	WPM	R-VALUE	WPM	R-VALUE	WPM	WPM	WPM
0-2.9	18.8	0-2.9	9.9	0-6.9	5.77	3.5	10.4
3-4.9	9.3	3-4.9	5.1	7-10.9	2.20	1.6	4.4
5-6.9	7.6	5-6.9	3.6	11-18.9	1.55	1.2	3.6
7 & UP	7.0	7 & UP	2.9	19 & UP	0.88	.8	2.2

6A-15 INFILTRATION & INTERNAL GAINS (WPM)

Air Infiltration	2.13
Internal Gains	-2.72
Infiltration/Internal Gains (Combined)	-0.58

6A-16 AIR HANDLER MULTIPLIERS (WPM)

Located in garage	1.00
Located in conditioned area	0.93
Located on exterior of building	1.07
Located in attic	1.10

6A-17 DUCT MULTIPLIERS (DM) See Table 13-610.1.ABC.2.1 for code minimums.

SUPPLY DUCTS IN:	DUCT R-VALUE	RETURN DUCTS IN:				
		Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ Cool roof	Conditioned space
Unconditioned Space	4.2	1.093	1.086	1.088	1.089	1.081
	6.0	1.069	1.064	1.065	1.066	1.060
	8.0	1.053	1.049	1.051	1.051	1.046
Attic/Radiant Barrier (RBS)	4.2	1.067	1.059	—	—	1.052
	6.0	1.051	1.045	—	—	1.040
	8.0	1.040	1.036	—	—	1.032
Attic/Interior Radiation Control Coatings (IRCC)	4.2	1.096	—	1.088	—	1.077
	6.0	1.072	—	1.066	—	1.057
	8.0	1.056	—	1.052	—	1.045
Attic/Cool Roof	4.2	1.104	—	—	1.096	1.083
	6.0	1.076	—	—	1.071	1.061
	8.0	1.059	—	—	1.055	1.048
Conditioned Space	4.2	1.008	1.007	1.010	1.008	1.000
	6.0	1.006	1.005	1.007	1.006	1.000
	8.0	1.005	1.004	1.006	1.005	1.000

6A-18 HEATING SYSTEM MULTIPLIERS (HSM) All Climate Zones

SYSTEM TYPE See Table N1108.ABC.3.2 B for code minimums		HEATING SYSTEM MULTIPLIERS (HSM)							
Central Heat Pump Units	HSPF	7.4-7.6	7.7-7.8	7.9-8.3	8.4-8.8	8.9-9.3	9.4-9.8	9.9-10.3	10.4-10.8
	HSM	.46	.44	.43	.41	.38	.36	.34	.33
PTHP	COP	2.50-1.69	2.70-2.89	2.90-3.09	3.10-3.29	3.30-3.49	3.50-3.69	3.70-3.89	3.90-4.19
	HSM	.40	.37	.34	.32	.30	.29	.27	.26
Gas Heating	AFUE	76-.77	.78	79-.82	.83-.85	.86-.89	.90-.92	.93-.95	.96-.98
	HSM	.46	.44	.43	.41	.38	.36	.34	.33
Electric Strip	1.0								

ADDITIONAL TABLES

CLIMATE ZONES 1 2 3

6A-19 COOLING CREDIT MULTIPLIERS

SYSTEM TYPE	Cooling credit multipliers (CCM)
Ceiling Fans	.95*
Cross Ventilation	.95*
Whole House Fan	.95*
Multizone	.95
Programmable Thermostat	.95

*Credit may be taken for only one system type concurrently.

6A-20 AIR DISTRIBUTION SYSTEM CREDIT MULTIPLIERS

TYPE CREDIT	Prescriptive requirements	Multiplier
Air-tight Duct Credit[1]	Appx G-C5.2.2.1.1	1.00
Factory-sealed AHU Credit[2]	Appx G-C5.2.2.1.2	0.95

[1]Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.17 (winter) unless Air-tight Duct Credit is demonstrated by test report.

[2]Multiply Factory-sealed AHU credit by summer (Table 6A-7) or winter (Table 6A-16) AHU multiplier. Insert total in the "As-Built AHU" box on page 2 or 4.

6A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE		HEATING CREDIT MULTIPLIERS (HCM)
Programmable Thermostat	HCM	.95
Multizone	HCM	.95

6A-22 HOT WATER MULTIPLIERS (HWM)

SYSTEM TYPE See Table N1112.ABC.3.2 for code minimums									
Electric Resistance	EF	.80-.81	.82-.83	.84-.85	.86-.87	.88-.90	.91-.93	.94-.96	.97 &Up
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
Gas Water Heating	EF	.54	.55	.56	.57	.58	.59	.60	.61
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
	EF	.62-.63	.64-.65	.66-.70	.71-.75	.76-.80	.81-.83	.84-.86	.87 & Up
	HWM	2346	2217	2101	1738	1456	1196	1055	933

6A-23 HOT WATER CREDIT MULTIPLIERS (HWCM)

SYSTEM TYPE		HOT WATER CREDIT MULTIPLIERS (HWCM)				
Heat Recovery Unit	With	Air Conditioner		Heat Pump		
	HWCM	.84		.78		
Add-on Dedicated Heat Pump (without tank)	EF	2.0-2.49	2.5-2.99	3.0-3.49	3.5 & Up	
	HWCM	.44	.35	.29	.25	
Add-on Solar Water Heater (without tank)	EF	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	5.0 & Up
	HWCM	.84	.42	.28	.21	.17

NOTE: An HWM must be used in conjunction with all HWCM. See Table 6A-22. EF Means Energy Factor.

6A-24 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.ABC.1.1	Max: 3 cfm/sq. ft. window area; .5cfm/sq. ft. door area.	
Exterior & Adjacent Walls	N1106.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; CFM utility penetrations; between wall panels & top/bottom plates; between walls & floor. EXCEPTION: Frame walls where a continous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.ABC.1.2.3	Seal: Between walls & ceilings: penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with <2.0 cfm from conditioned space, tested.	
Multiple Story Houses	N1106.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-25 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.ABC.3	Comply with efficiency requirements in Table N1112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	N1112.ABC.2.3	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower Heads	N1112.ABC.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	
Air Distribution Systems	N1110.ABC	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section N1110. Ducts in unconditioned attics: R-6 minimum insulation.	
HVAC Controls	N1107.ABC.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.ABC.1 N1102.BC.1.1	Ceilings–Min. R-19. Common walls–Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Building Input Summary Report

PROJECT

Title:	Schile Residence 4	Bedrooms:	3	Adress Type:	Street Address
Building Type:	User	Bathrooms:	0	Lot #	
Owner:	Mr/Mrs Wade Schile	Conditioned Area:	3269	Block/SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	No	Street:	319 Singleton Terrace
Permit Office:	Columbia County	Rotate Angle:	0	County:	Columbia
Jurisdiction:	221000	Cross Ventilation:		City, State, Zip:	Ft White , FL , 32038-
Family Type:	Single-family	Whole House Fan:			
New/Existing:	New (From Plans)				
Comment:	3 central				

CLIMATE

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

UTILITY RATES

Fuel	Unit	Utility Name	Monthly Fixed Cost	$/Unit
Electricity	kWh	EnergyGauge Default	0	0.1126
Natural Gas	Therm	EnergyGauge Default	0	0.682
Fuel Oil	Gallon	EnergyGauge Default	0	1.1
Propane	Gallon	EnergyGauge Default	0	1.4

SURROUNDINGS

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

FLOORS

#	Floor Type	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
1	Slab-On-Grade Edge Insulation	129 ft	0	1647 ft²		1	0	0
2	Slab-On-Grade Edge Insulation	127 ft	0	1274 ft²		1	0	0
3	Slab-On-Grade Edge Insulation	26 ft	0	348 ft²		1	0	0

ROOF

#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
1	Hip	Metal	4088 ft²	0 ft²	Medium	0.96	No	38	36.9 deg

Building Input Summary Report

ATTIC

#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
1	Partial cathedral ceiling	Vented	300	3269 ft²	N	N

CEILING

#	Ceiling Type	R-Value	Area	Framing Fraction	Truss Type
1	Cathedral/Single Assembly ()	38	1647 ft²	0.11	Wood
2	Under Attic ()	38	1274 ft²	0.11	Wood
3	Under Attic ()	38	348 ft²	0.11	Wood

WALLS

Wall orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
1	S	Garage	Frame - Wood	16	10	0	9	3	92.5 ft²	0	0.1	0.75
2	W	Exterior	Concrete Block - Int Insul	10	14	10	9	3	137.21 ft²	0	0	0.75
3	S	Exterior	Concrete Block - Int Insul	10	2	11	10	10	31.6 ft²		0	0.75
4	W	Exterior	Concrete Block - Int Insul	10	28	7	10	10	309.65 ft²		0	0.75
5	S	Exterior	Concrete Block - Int Insul	10	15	10	10	10	171.53 ft²		0	0.75
6	W	Exterior	Concrete Block - Int Insul	13	14	1.5	10	10	153.02 ft²		0	0.75
7	N	Exterior	Concrete Block - Int Insul	10	17	11	10	10	194.1 ft²		0	0.75
8	W	Exterior	Concrete Block - Int Insul	10	18	3.5	9	3	169.2 ft²		0	0.75
9	S	Exterior	Concrete Block - Int Insul	10	6	4	9	3	58.58 ft²		0	0.75
10	W	Exterior	Concrete Block - Int Insul	10	18	7	9	3	171.9 ft²		0	0.75
11	N	Exterior	Concrete Block - Int Insul	10	40	4	9	3	373.08 ft²		0	0.75
12	E	Exterior	Concrete Block - Int Insul	10	18	7	9	3	171.9 ft²		0	0.75
13	S	Exterior	Concrete Block - Int Insul	10	6	0	9	3	55.5 ft²		0	0.75
14	E	Exterior	Concrete Block - Int Insul	10	18	4.5	9	3	169.97 ft²		0	0.75
15	N	Exterior	Concrete Block - Int Insul	10	2	11	10	10	31.6 ft²		0	0.75
16	E	Exterior	Concrete Block - Int Insul	10	42	8	10	10	462.22 ft²		0	0.75
17	S	Exterior	Concrete Block - Int Insul	10	2	11	10	10	31.6 ft²		0	0.75
18	E	Exterior	Concrete Block - Int Insul	10	33	10	9	3	312.96 ft²		0	0.75
19	S	Garage	Frame - Wood	13	18	0	9	3	166.5 ft²		0.23	0.75
20	W	Exterior	Frame - Wood	13	22	6	9	3	208.13 ft²		0.23	0.75

DOORS

#	Ornt	Door Type	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
1	W	Wood	None	0.46	8	0	8	0	64 ft²
2	S	Wood	None	0.46	7	0	7	2	50.17 ft²
3	E	Wood	None	0.46	6	4	7	2	45.39 ft²
4	S	Insulated	None	0.46	3	0	7	2	21.5 ft²
5	S	Insulated	None	0.46	3	0	7	2	21.5 ft²

Building Input Summary Report

WINDOWS

#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storm	Area	Overhang Depth	Overhang Separation	Interior Shade	Screening
1	W	Metal	Double (Clear)	Yes	0.55	0.6	N	12.85 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
2	W	Metal	Double (Clear)	Yes	0.55	0.6	N	32.29 ft²	12 ft 6 in	4 ft 6 in	Drapes/blinds	None
3	W	Metal	Double (Clear)	Yes	0.55	0.6	N	23.25 ft²	1 ft 8 in	7 ft 8 in	Drapes/blinds	None
4	N	Metal	Double (Clear)	Yes	0.55	0.6	N	23.25 ft²	2 ft 0 in	2 ft 8 in	Drapes/blinds	None
5	W	Metal	Double (Clear)	Yes	0.55	0.6	N	9.76 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
6	W	Metal	Double (Clear)	Yes	0.55	0.6	N	23.25 ft²	1 ft 8 in	7 ft 0 in	Drapes/blinds	None
7	N	Metal	Double (Clear)	Yes	0.55	0.6	N	9.76 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
8	N	Metal	Double (Clear)	Yes	0.55	0.6	N	15.93 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
9	N	Metal	Double (Clear)	Yes	0.55	0.6	N	15.93 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
10	E	Metal	Double (Clear)	Yes	0.55	0.6	N	9.75 ft²	1 ft 8 in	7 ft 2 in	Drapes/blinds	None
11	E	Metal	Double (Clear)	Yes	0.55	0.6	N	18.75 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
12	E	Metal	Double (Clear)	Yes	0.55	0.6	N	23.25 ft²	12 ft 6 in	4 ft 6 in	Drapes/blinds	None
13	E	Metal	Double (Clear)	Yes	0.55	0.6	N	23.25 ft²	12 ft 6 in	4 ft 6 in	Drapes/blinds	None
14	E	Metal	Double (Clear)	Yes	0.55	0.6	N	12.85 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None

INFILTRATION & VENTING

Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50	Forced Ventilation Supply	Forced Ventilation Exhaust	Run Time	Terrain/Wind Shielding
Best Guess	0.00030	2572	141.2	265.6	0.231	4.84	0	0	0	Rural / Light shielding

GARAGE

#	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
1	417.06 ft²	417.06 ft²	31.75 ft	9.25 ft	(invalid)

MASS

Mass Type	Area	Thickness	Furniture Fraction
No Added Mass	0 ft²	0 ft	0.3

COOLING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
1	Central Unit	Split	SEER: 14.8	48 kBtu/hr	1440 cfm	0.75	False
2	Central Unit	Split	SEER: 14.8	30 kBtu/hr	900 cfm	0.75	False
3	Central Unit	Split	SEER: 14.8	18 kBtu/hr	540 cfm	0.75	False

HEATING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Ductless
1	Electric Strip Heat	None	COP: 1	30 kBtu/hr	False
2	Electric Strip Heat	None	COP: 1	18 kBtu/hr	False
3	Electric Strip Heat	None	COP: 1	12 kBtu/hr	False

Building Input Summary Report

HOT WATER SYSTEM

#	System Type	EF	Cap	Use	SetPnt	Credits
1	Electric	0.92	80 gal	60 gal	120 deg	None

SOLAR HOT WATER

Collector Type	Collector Tilt	Azimuth	Surface Area	Loss Coef.	Absorp. Prod.	Trans Corr.	Tank Volume	Tank U-Value	Tank Surf Area	Heat Exch Eff	PV Pumped	Pump Energy

DUCTS

#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Number	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
1	Attic	6	308 ft²	Attic	0 ft²	(invalid)	Default Leakage	Interior	(Default)	(Default)		
2	Attic	6	252 ft²	Attic	0 ft²	(invalid)	Default Leakage	Interior	(Default)	(Default)		
3	Attic	6	141 ft²	Attic	0 ft²	(invalid)	Default Leakage	Interior	(Default)	(Default)		

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans: N

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

Building Input Summary Report

APPLIANCES & LIGHTING

Appliance Schedule: HERS 2006 Reference Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Ceiling Fans (Summer)	AM	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.33	0.33	0.33	0.33	0.33
% Released: 100	PM	0.33	0.33	0.33	0.33	0.33	1	0.9	0.9	0.9	0.9	0.9	0.65
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											
Clothes Washer	AM	0.105	0.081	0.047	0.047	0.081	0.128	0.256	0.57	0.849	1	0.977	0.872
% Released: 60	PM	0.779	0.698	0.605	0.57	0.581	0.57	0.57	0.57	0.57	0.488	0.43	0.198
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											
Dishwasher	AM	0.139	0.05	0.028	0.024	0.029	0.09	0.169	0.303	0.541	0.594	0.502	0.443
% Released: 60	PM	0.377	0.396	0.335	0.323	0.344	0.448	0.791	1	0.8	0.597	0.383	0.281
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											
Dryer	AM	0.2	0.1	0.05	0.05	0.05	0.075	0.2	0.375	0.5	0.8	0.95	1
% Released: 10	PM	0.875	0.85	0.8	0.625	0.625	0.6	0.575	0.55	0.625	0.7	0.65	0.375
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											
Lighting	AM	0.16	0.15	0.16	0.18	0.23	0.45	0.4	0.26	0.19	0.16	0.12	0.11
% Released: 90	PM	0.16	0.17	0.25	0.27	0.34	0.55	0.55	0.88	1	0.86	0.51	0.28
Annual Use: 3070 kWh/Yr		Peak Value: 1003 Watts											
Miscellaneous	AM	0.48	0.47	0.47	0.47	0.47	0.47	0.64	0.71	0.67	0.61	0.55	0.53
% Released: 90	PM	0.52	0.5	0.5	0.5	0.59	0.73	0.79	0.99	1	0.96	0.77	0.55
Annual Use: 5825 kWh/Yr		Peak Value: 1068 Watts											
Pool Pump	AM	0	0	0	0	0	0	0	0	0	1	1	1
% Released: 0	PM	1	1	1	1	0	0	0	0	0	0	0	0
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											
Range	AM	0.057	0.057	0.057	0.057	0.057	0.114	0.171	0.286	0.343	0.343	0.343	0.4
% Released: 100	PM	0.457	0.343	0.286	0.4	0.571	1	0.857	0.429	0.286	0.229	0.171	0.114
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											
Refrigeration	AM	0.85	0.78	0.75	0.73	0.73	0.73	0.75	0.75	0.8	0.8	0.8	0.8
% Released: 100	PM	0.88	0.85	0.85	0.83	0.88	0.95	1	0.98	0.95	0.93	0.9	0.85
Annual Use: 775 kWh/Yr		Peak Value: 106 Watts											
Well Pump	AM	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1
% Released: 0	PM	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Annual Use: 0 kWh/Yr		Peak Value: 0 Watts											

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Mr/Mrs Wade Schile
319 Singleton Terrace
Ft White, FL 32038-

Project Title:
Schile Residence 4

3 central

12/27/2011

Reference City: Gainesville, FL

Temperature Difference: 17.0F(MJ8 99%)

Humidity difference: 54gr.

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.60, 0.55	B-L	No	W	2.0ft	2.0ft	12.8	0.0	12.8	14	40	517	Btuh
2	2 NFRC	0.60, 0.55	B-L	No	W	12.5f	4.5ft	32.3	32.3	0.0	14	40	458	Btuh
3	2 NFRC	0.60, 0.55	B-L	No	W	1.7ft	7.7ft	23.3	0.0	23.3	14	40	936	Btuh
4	2 NFRC	0.60, 0.55	B-L	No	N	2.0ft	2.7ft	23.3	0.0	23.3	14	14	330	Btuh
5	2 NFRC	0.60, 0.55	B-L	No	W	2.0ft	2.0ft	9.8	0.0	9.8	14	40	393	Btuh
6	2 NFRC	0.60, 0.55	B-L	No	W	1.7ft	7.0ft	23.3	0.0	23.3	14	40	936	Btuh
7	2 NFRC	0.60, 0.55	B-L	No	N	2.0ft	2.0ft	9.8	0.0	9.8	14	14	139	Btuh
8	2 NFRC	0.60, 0.55	B-L	No	N	2.0ft	2.0ft	15.9	0.0	15.9	14	14	226	Btuh
9	2 NFRC	0.60, 0.55	B-L	No	N	2.0ft	2.0ft	15.9	0.0	15.9	14	14	226	Btuh
10	2 NFRC	0.60, 0.55	B-L	No	E	1.7ft	7.2ft	9.8	0.0	9.8	14	40	393	Btuh
11	2 NFRC	0.60, 0.55	B-L	No	E	2.0ft	2.0ft	18.8	0.0	18.8	14	40	755	Btuh
12	2 NFRC	0.60, 0.55	B-L	No	E	12.5f	4.5ft	23.3	23.3	0.0	14	40	330	Btuh
13	2 NFRC	0.60, 0.55	B-L	No	E	12.5f	4.5ft	23.3	23.3	0.0	14	40	330	Btuh
14	2 NFRC	0.60, 0.55	B-L	No	E	2.0ft	2.0ft	12.8	0.0	12.8	14	40	517	Btuh
	Excursion												2324	Btuh
	Window Total							254 (sqft)					8809	Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Adj	0.08	16.0/0.0	92.5	1.4	129 Btuh
2	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	124.4	1.0	128 Btuh
3	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	31.6	1.0	33 Btuh
4	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	213.4	1.0	220 Btuh
5	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	121.4	1.0	125 Btuh
6	Concrete Blk,Hollow - Ext	0.06	13.0/0.0	129.8	0.9	116 Btuh
7	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	170.8	1.0	176 Btuh
8	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	159.4	1.0	164 Btuh
9	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	58.6	1.0	60 Btuh
10	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	148.6	1.0	153 Btuh
11	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	331.5	1.0	342 Btuh
12	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	162.1	1.0	167 Btuh
13	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	55.5	1.0	57 Btuh
14	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	151.2	1.0	156 Btuh
15	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	31.6	1.0	33 Btuh
16	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	370.3	1.0	382 Btuh
17	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	31.6	1.0	33 Btuh
18	Concrete Blk,Hollow - Ext	0.08	10.0/0.0	300.1	1.0	310 Btuh
19	Frame - Wood - Adj	0.09	13.0/0.0	123.5	1.5	186 Btuh
20	Frame - Wood - Ext	0.09	13.0/0.0	208.1	2.1	434 Btuh
	Wall Total			3016 (sqft)		3406 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Wood - Exterior	64.0	12.9	824 Btuh
2	Wood - Exterior	50.2	12.9	646 Btuh
3	Wood - Exterior	45.4	12.9	585 Btuh
4	Insulated - Garage	21.5	12.9	277 Btuh
5	Insulated - Garage	21.5	12.9	277 Btuh
	Door Total	203 (sqft)		2609 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Cath/Sngl Assem/Light/Metal	0.013	38.0/38.0	1647.0	0.26	424 Btuh
2	Vented Attic/Light/Metal	0.014	38.0/38.0	1274.0	0.57	727 Btuh
3	Vented Attic/Light/Metal	0.014	38.0/38.0	348.0	0.57	199 Btuh
	Ceiling Total			3269 (sqft)		1350 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mr/Mrs Wade Schile
319 Singleton Terrace
Ft White, FL 32038-

Project Title: Schile Residence 4

Climate:FL_GAINESVILLE_REGIONAL_A

3 central

12/27/2011

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1647 (ft-perimeter)	0.0	0 Btuh
2	Slab On Grade	0.0	1274 (ft-perimeter)	0.0	0 Btuh
3	Slab On Grade	0.0	348 (ft-perimeter)	0.0	0 Btuh
	Floor Total		3269.0 (sqft)		0 Btuh
			Envelope Subtotal:		16174 Btuh

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	SensibleNatural	0.40	31873	3016	265.6	3955 Btuh

Internal gain		Occupants	Btuh/occupant		Appliance	Load
		4	X 230	+	4800	5720 Btuh
			Sensible Envelope Load:			25848 Btuh
Duct load			(DGMs vary for Mixed ducts)			6941 Btuh
			Sensible Load All Zones			**32790 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mr/Mrs Wade Schile
319 Singleton Terrace
Ft White, FL 32038-

Project Title: Schile Residence 4
Climate:FL_GAINESVILLE_REGIONAL_A

3 central

12/27/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**26768 Btuh**
	Sensible Duct Load	6941 Btuh
	Total Sensible Zone Loads	**33710 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**33710 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	7765 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1479 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	3600 Btuh
	Latent total gain	**14444 Btuh**
	TOTAL GAIN	**48154 Btuh**

EQUIPMENT

1. Central Unit	Rheem #	48000 Btuh
2. Central Unit	Rheem #	30000 Btuh
3. Central Unit	Rheem #	18000 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)

Approved by ACCA MANUAL J

Version 8

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Mr/Mrs Wade Schile
319 Singleton Terrace
Ft White, FL 32038-

Project Title:
Schile Residence 4
Building Type: User
3 central

12/27/2011

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.60	Metal	0.55	W	12.8	20.4	261 Btuh
2	2, NFRC 0.60	Metal	0.55	W	32.3	20.4	657 Btuh
3	2, NFRC 0.60	Metal	0.55	W	23.3	20.4	473 Btuh
4	2, NFRC 0.60	Metal	0.55	N	23.3	20.4	473 Btuh
5	2, NFRC 0.60	Metal	0.55	W	9.8	20.4	199 Btuh
6	2, NFRC 0.60	Metal	0.55	W	23.3	20.4	473 Btuh
7	2, NFRC 0.60	Metal	0.55	N	9.8	20.4	199 Btuh
8	2, NFRC 0.60	Metal	0.55	N	15.9	20.4	324 Btuh
9	2, NFRC 0.60	Metal	0.55	N	15.9	20.4	324 Btuh
10	2, NFRC 0.60	Metal	0.55	E	9.8	20.4	198 Btuh
11	2, NFRC 0.60	Metal	0.55	E	18.8	20.4	382 Btuh
12	2, NFRC 0.60	Metal	0.55	E	23.3	20.4	473 Btuh
13	2, NFRC 0.60	Metal	0.55	E	23.3	20.4	473 Btuh
14	2, NFRC 0.60	Metal	0.55	E	12.8	20.4	261 Btuh
	Window Total				254.1(sqft)		5171 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Adj	(0.082)	16.0/0.0	93	3.04	281 Btuh
2	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	124	2.94	365 Btuh
3	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	32	2.94	93 Btuh
4	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	213	2.94	626 Btuh
5	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	121	2.94	356 Btuh
6	Conc Blk,Hollow	- Ext	(0.064)	13.0/0.0	130	2.37	308 Btuh
7	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	171	2.94	502 Btuh
8	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	159	2.94	468 Btuh
9	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	59	2.94	172 Btuh
10	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	149	2.94	436 Btuh
11	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	331	2.94	973 Btuh
12	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	162	2.94	476 Btuh
13	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	56	2.94	163 Btuh
14	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	151	2.94	444 Btuh
15	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	32	2.94	93 Btuh
16	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	370	2.94	1087 Btuh
17	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	32	2.94	93 Btuh
18	Conc Blk,Hollow	- Ext	(0.079)	10.0/0.0	300	2.94	881 Btuh
19	Frame - Wood	- Adj	(0.089)	13.0/0.0	124	3.28	406 Btuh
20	Frame - Wood	- Ext	(0.089)	13.0/0.0	208	3.28	683 Btuh
	Wall Total				3016(sqft)		8907 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Wood - Exterior,	n	(0.460)	64	17.0	1089 Btuh
2	Wood - Exterior,	n	(0.460)	50	17.0	854 Btuh
3	Wood - Exterior,	n	(0.460)	45	17.0	773 Btuh
4	Insulated - Garage,	n	(0.460)	22	17.0	366 Btuh
5	Insulated - Garage,	n	(0.460)	22	17.0	366 Btuh
	Door Total			203(sqft)		3447Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mr/Mrs Wade Schile
319 Singleton Terrace
Ft White, FL 32038-

Project Title:
Schile Residence 4
Building Type: User
3 central

12/27/2011

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Cathedral/L/Metal	(0.013)	38.0/38.0	1647	0.5	792 Btuh
2	Vented Attic/L/Metal	(0.014)	38.0/38.0	1274	0.5	640 Btuh
3	Vented Attic/L/Metal	(0.014)	38.0/38.0	348	0.5	175 Btuh
	Ceiling Total			3269(sqft)		1608Btuh
Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	129.0 ft(perim.)	43.7	5632 Btuh
2	Slab On Grade	(1.180)	0.0	127.0 ft(perim.)	43.7	5545 Btuh
3	Slab On Grade	(1.180)	0.0	26.0 ft(perim.)	43.7	1135 Btuh
	Floor Total			3269 sqft		12312 Btuh
				Envelope Subtotal:		31446 Btuh

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.50	31873	1.00	265.6	10759 Btuh
Duct load				(DLM of Mixed ducts)		7185 Btuh
All Zones				**Sensible Subtotal All Zones**		**49390 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	49390 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	49390 Btuh

EQUIPMENT

1. Electric Strip Heat		30000 Btuh
2. Electric Strip Heat		18000 Btuh
3. Electric Strip Heat		12000 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mr/Mrs Wade Schile
319 Singleton Terrace
Ft White, FL 32038-

Project Title:
Schile Residence 4
Building Type: User
3 central

12/27/2011

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: 319 Singleton Terr. Columbia Co. **Project Name:** Schile Residence

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Thermatru	Fiberglass Smooth	FL 8838.1
2. Sliding			
3. Sectional	overhead	8 x 8 OHGD	FL 11522
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	PGT	Double pane-Vinyl	FL 10287.1
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning	Actuator	in Cupola	FL 11385
7. Pass –through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	HARDI Board	pre primed Siding	FL 889
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments	Owens Corning	30 # Felt	FI 999 R1
3. Roofing Fasteners			
4. Non-structural Metal Rf	Gulf Coast	PANEL 16"	FI 12289
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS	ON Plan		
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Dennis ONeil

Contractor or Contractor's Authorized Agent Signature

Dennis ONeil — 2-27-12

Print Name — Date

Columbia County - 319 Singleton Terr.

Location

Julius Lee

RE: 400358 - O'NEIL CONST. - SCHILE RES.

1109 Coastal Bay Blvd.
Boynton Beach, FL 33435

Site Information:
Project Customer: O'NEIL CONST. Project Name: 400358 Model: SCHILE RES.
Lot/Block: Subdivision:
Address: 319 SINGLETON TERRACE
City: COLUMBIA CTY State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: O'NEIL CONST. License #: QB0010656
Address: 110 NE 1ST AVE
City: HIGH SPRINGS, State: FL

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.2
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 43 individual, dated 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.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

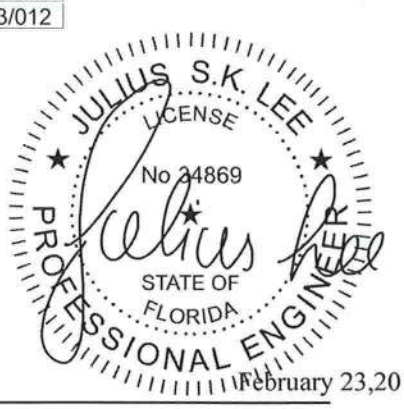
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I5280060	CJ1	2/23/012	18	I5280077	T01G	2/23/012
2	I5280061	CJ1A	2/23/012	19	I5280078	T02	2/23/012
3	I5280062	CJ3	2/23/012	20	I5280079	T03	2/23/012
4	I5280063	CJ3A	2/23/012	21	I5280080	T04	2/23/012
5	I5280064	CJ5	2/23/012	22	I5280081	T05	2/23/012
6	I5280065	CJ5A	2/23/012	23	I5280082	T06	2/23/012
7	I5280066	CJ5B	2/23/012	24	I5280083	T07	2/23/012
8	I5280067	EJ5	2/23/012	25	I5280084	T08	2/23/012
9	I5280068	EJ5A	2/23/012	26	I5280085	T09	2/23/012
10	I5280069	EJ5B	2/23/012	27	I5280086	T10	2/23/012
11	I5280070	EJ7	2/23/012	28	I5280087	T11	2/23/012
12	I5280071	FG1	2/23/012	29	I5280088	T12	2/23/012
13	I5280072	HJ9	2/23/012	30	I5280089	T12A	2/23/012
14	I5280073	HJ9A	2/23/012	31	I5280090	T13	2/23/012
15	I5280074	PB01	2/23/012	32	I5280091	T14	2/23/012
16	I5280075	PB02	2/23/012	33	I5280092	T15	2/23/012
17	I5280076	T01	2/23/012	34	I5280093	T16	2/23/012

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

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.



February 23,2012
Julius Lee

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ1	JACK	4	1	I5280060
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:55 2012 Page 1

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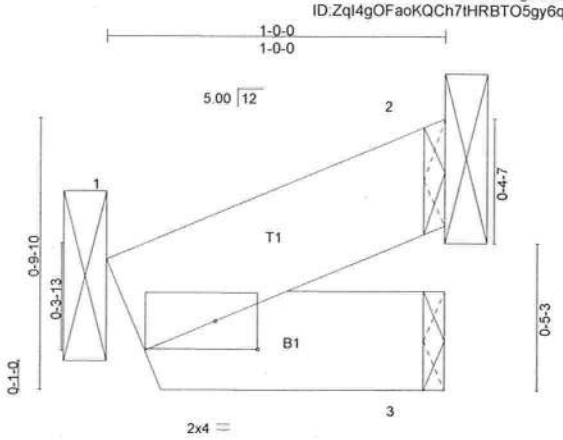


Plate Offsets (X,Y): [1:0-1-8,0-1-0]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.03	Vert(LL)	-0.00	1	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.00	3	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	1	>999	240	Weight: 3 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

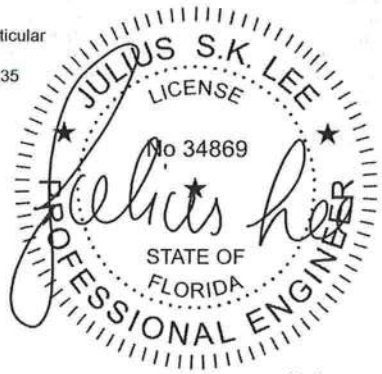
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=35/Mechanical, 2=35/Mechanical
Max Horz 1=29(LC 6)
Max Uplift 1=-11(LC 6), 2=-27(LC 6)

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

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1 and 27 lb uplift at joint 2.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ3	JACK	4	1	I5280062
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:56 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-MNNJ7TjecnLfnM71p2mvQMgfXeyU1jSMZqLZHHziKCP

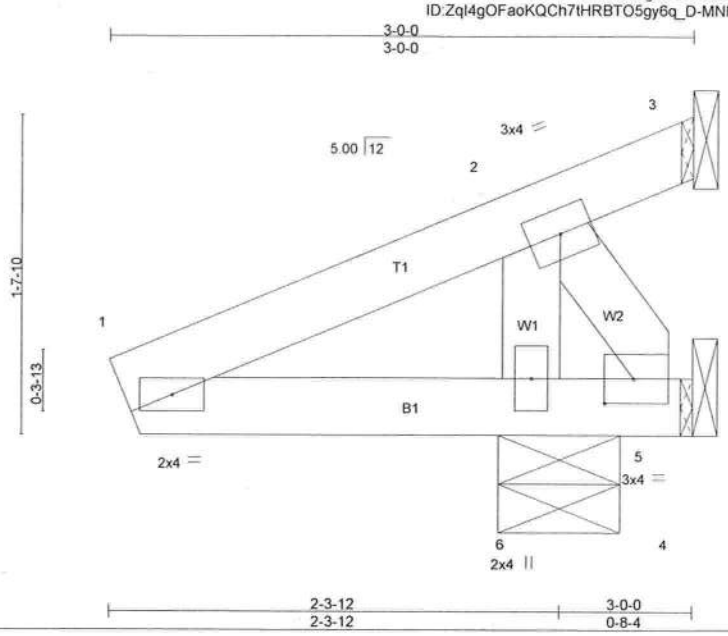


Plate Offsets (X,Y): [5:0-1-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	-0.00	6	>999	240	Weight: 12 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=-18/Mechanical, 5=-182/Mechanical, 6=429/0-7-8
Max Horz 6=76(LC 6)
Max Uplift 3=-18(LC 1), 5=-182(LC 1), 6=-323(LC 6)
Max Grav 3=18(LC 6), 5=117(LC 6), 6=429(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-257/162
BOT CHORD 1-6=-116/262
WEBS 2-5=-254/198, 2-6=-358/511

NOTES (8-9)

1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 3, 182 lb uplift at joint 5 and 323 lb uplift at joint 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

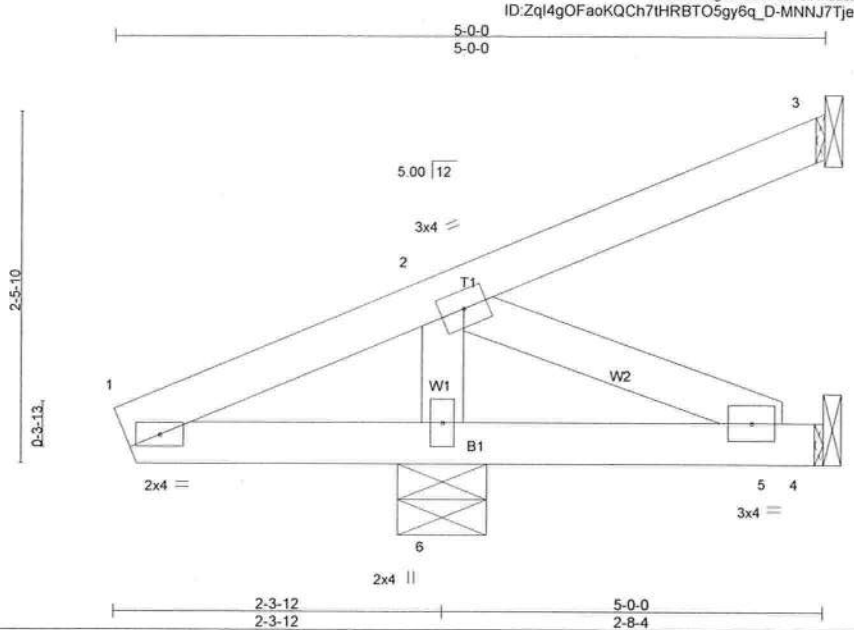
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ5	JACK	4	1	I5280064
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:56 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-MNNJ7TjecnLfnM71p2mvQMgf0eyt1ktMZqLZHHziKCP



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.00	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	-0.00	5-6	>999	240	Weight: 20 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

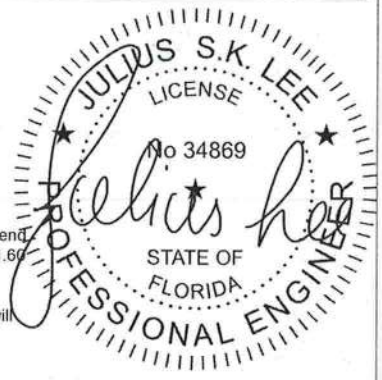
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=60/Mechanical, 4=-29/Mechanical, 6=355/0-7-8
Max Horz 6=124(LC 6)
Max Uplift 3=-60(LC 6), 4=-29(LC 1), 6=-242(LC 6)
Max Grav 3=60(LC 1), 4=23(LC 8), 6=355(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-295/171
BOT CHORD 1-6=-120/295
WEBS 2-6=-295/404

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 3, 29 lb uplift at joint 4 and 242 lb uplift at joint 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



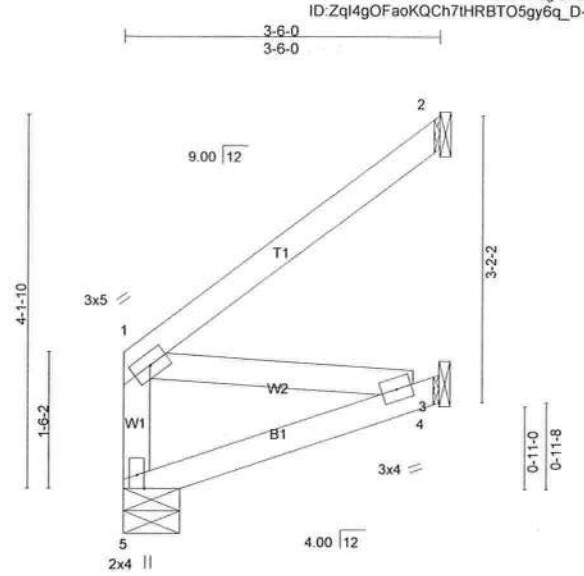
February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ5B	SPECIAL	2	1	I5280066
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:57 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-qZxhKokGN4TWPWiDNmH8zaDpr1IsmC4WoU46pjziKCO



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	4-5	>999	240	Weight: 19 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

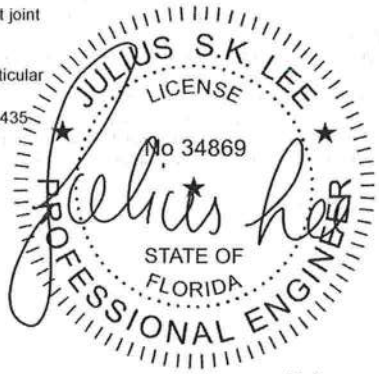
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 5=132/0-7-8, 2=99/Mechanical, 3=33/Mechanical
Max Horz 5=143(LC 6)
Max Uplift 2=-135(LC 6), 3=-53(LC 6)
Max Grav 5=132(LC 1), 2=99(LC 1), 3=66(LC 2)

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

NOTES (9-10)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 2 and 53 lb uplift at joint 3.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



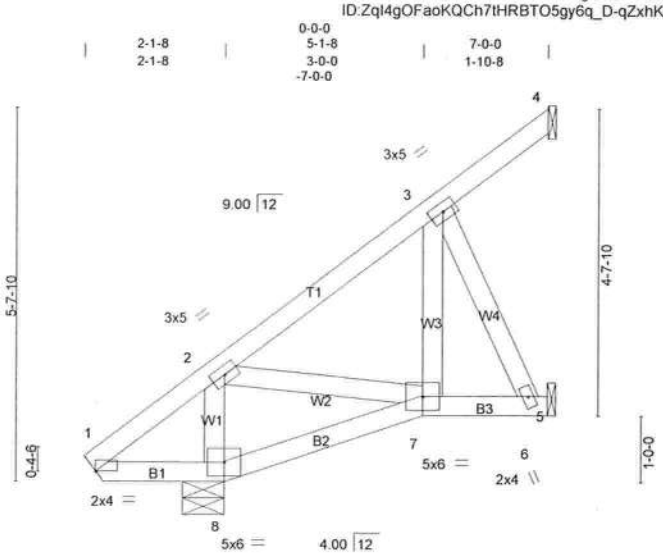
February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	EJ5A	SPECIAL	1	1	I5280068
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:57 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-qZxhKokGN4TWPWiDNmH8zaDqv1I7mCkWoU46pjziKCO



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.00	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	7	>999	240	Weight: 39 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=24/Mechanical, 8=375/0-7-8, 6=143/Mechanical
Max Horz 8=213(LC 6)
Max Uplift 4=-21(LC 6), 8=-77(LC 6), 6=-139(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-300/220

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 4, 77 lb uplift at joint 8 and 139 lb uplift at joint 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

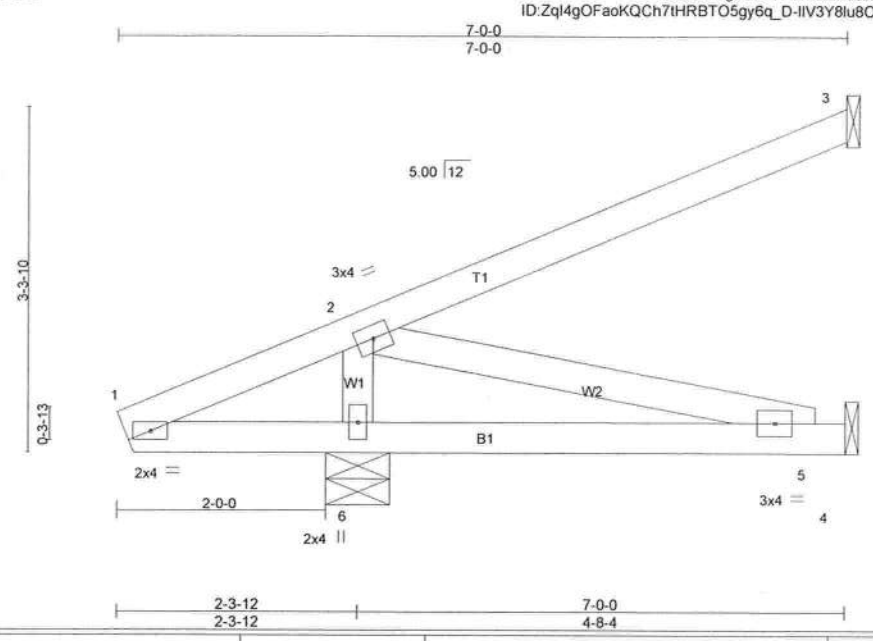
February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	EJ7	MONO TRUSS	10	1	I5280070
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:58 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-IlV3Y8lu8ObN1gHPxToNVnlzNRdKVeNf18qgL9ziKCN



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.03	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	-0.00	5-6	>999	240	Weight: 29 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=113/Mechanical, 4=30/Mechanical, 6=403/0-7-8
Max Horz 6=120(LC 6)
Max Uplift 3=-73(LC 6), 4=-6(LC 5), 6=-178(LC 6)
Max Grav 3=113(LC 1), 4=70(LC 2), 6=403(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-308/407

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 3, 6 lb uplift at joint 4 and 178 lb uplift at joint 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	FG1	SPECIAL	2	2	I5280071

Builders FirstSource, Jacksonville, Fl 32244 — Job Reference (optional)

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:58 2012 Page 2

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-IIV3Y8lu8ObN1gHPxToNVnl_DRYqVfyf18qgL9ziKCN

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 5=-525(B) 7=-525(B)

JULIUS S.K. LEE
LICENSE
No 34869
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Julius Lee

February 23,2012

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	HJ9	MONO TRUSS	2	1	I5280072
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:59 2012 Page 2

ID:Zql4gOFaoKQCh7tHRBTO5gy6q_D-my2RIUlWvijDepsbVBJc2?I7oryfE5FoGoZDucziKCM

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 8=68(F=34, B=34) 9=56(F=28, B=28) 10=0(F=0, B=0) 11=23(F=11, B=11) 12=223(F=111, B=111) 13=48(F=24, B=24)

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Julius Lee

February 23,2012

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Julius Lee
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Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	HJ9A	SPECIAL	2	1	I5280073
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:59 2012 Page 2

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-my2RlUlWvijDepsbVBJc2?I7Xrw8E5koGoZDucziKCM

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 8=72(F=36, B=36) 9=211(F=105, B=105) 10=-50(F=-39, B=-12) 11=24(F=12, B=12) 12=24(F=12, B=12) 13=2(F=-13, B=15)

JULIUS S.K. LEE
LICENSE
No 34869
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	PB02	HIP PIGGYBACK	2	1	I5280075

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:00 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-E8cqzqm8g?r4GzQo2uqrbCrLRFJOzZoyURJmQ2ziKCL

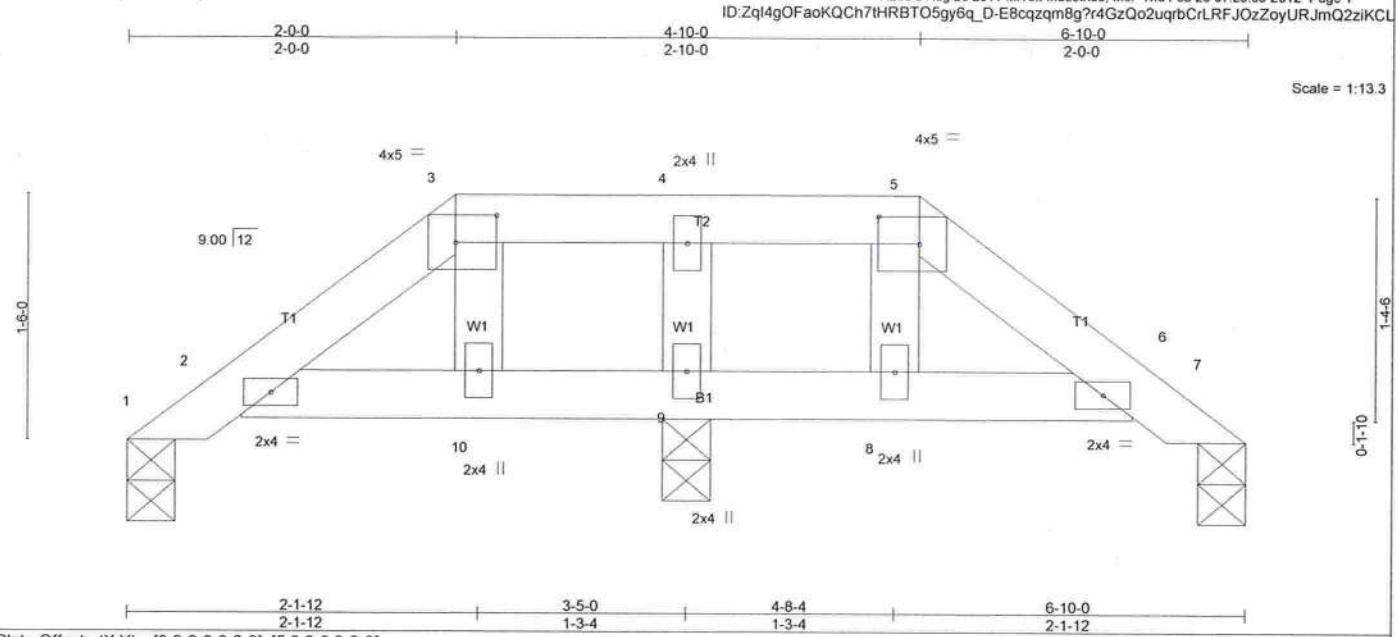

Plate Offsets (X,Y): [3:0-3-0,0-2-0], [5:0-3-0,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.09	Vert(LL)	-0.00	10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.01	10	>999	240	Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=110/0-3-8, 7=110/0-3-8, 9=307/0-3-8
Max Horz 1=49(LC 5)
Max Uplift 1=-29(LC 6), 7=-35(LC 4), 9=-93(LC 5)
Max Grav 1=115(LC 10), 7=115(LC 11), 9=307(LC 1)

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

NOTES (11-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 1, 35 lb uplift at joint 7 and 93 lb uplift at joint 9.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T01G	GABLE	2	1	I5280077
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:01 2012 Page 1

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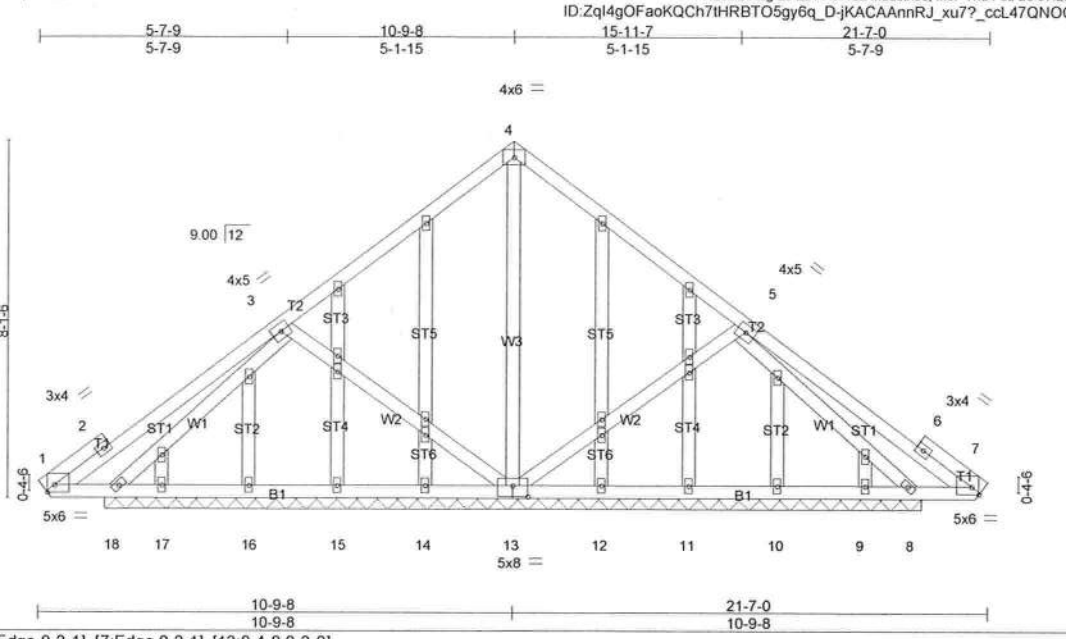


Plate Offsets (X,Y): [1:Edge,0-2-1], [7:Edge,0-2-1], [13:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.82	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 162 lb	FT = 20%

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2
WEBS	2 X 4 SYP No.3
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 1-18,7-8.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 18-7-0.

(lb) - Max Horz 18=-340(LC 4)

Max Uplift All uplift 100 lb or less at joint(s) 17, 9 except 13=-890(LC 6), 18=-431(LC 6), 8=-460(LC 7)

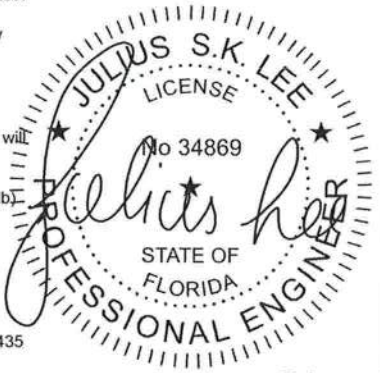
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 17, 12, 11, 10, 9 except 13=1379(LC 1), 18=732(LC 10), 8=732(LC 11)

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

TOP CHORD	2-3=-217/458, 3-4=-110/337, 4-5=-74/337, 5-6=-217/458
BOT CHORD	17-18=-298/285, 16-17=-298/285, 15-16=-298/285, 14-15=-298/285, 13-14=-298/285, 12-13=-59/285, 11-12=-59/285, 10-11=-59/285, 9-10=-59/285, 8-9=-59/285
WEBS	4-13=-765/378, 5-13=-491/509, 3-13=-491/514, 3-18=-682/385, 5-8=-682/386

NOTES (13-14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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 1-2002.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SYP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9 except (jt=lb) 13=890, 18=431, 8=460.
10) Non Standard bearing condition. Review required.
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435



LOAD CASE(S) Standard

Continued on page 2

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T02	COMMON	4	1	I5280078

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:02 2012 Page 1

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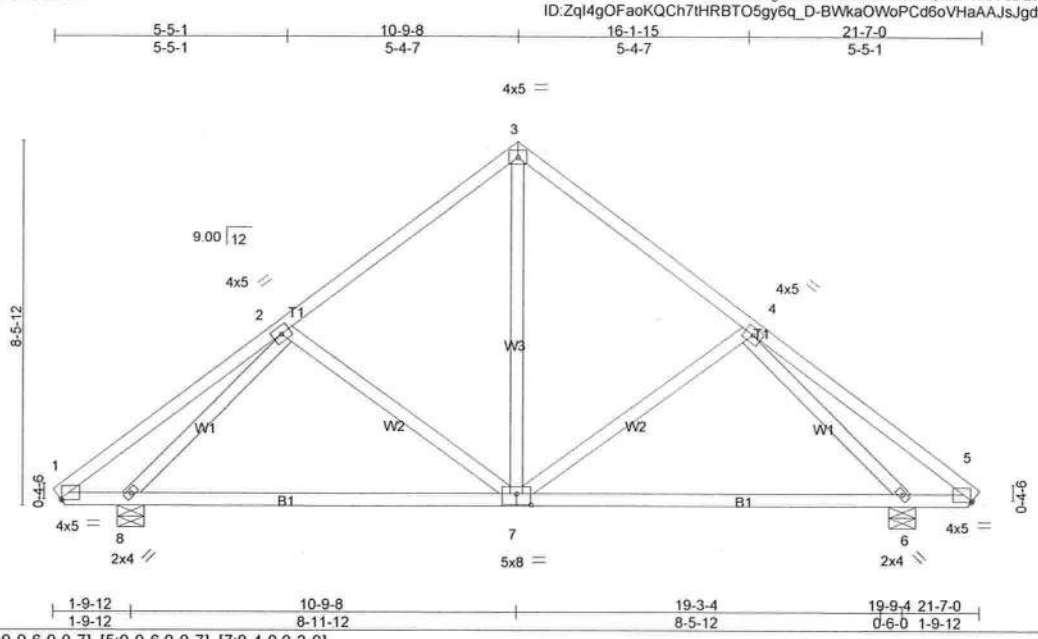

Plate Offsets (X,Y): [1:0-0-6,0-0-7], [5:0-0-6,0-0-7], [7:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.09	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.23	7-8	>970	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.02	7	>999	240	Weight: 118 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=849/0-7-8, 6=849/0-7-8
Max Horz 8=-285(LC 4)
Max Uplift 8=-265(LC 6), 6=-265(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-639/412, 3-4=-639/412
BOT CHORD 7-8=-249/531, 6-7=-190/531
WEBS 3-7=-253/406, 4-7=-163/269, 2-7=-163/269, 2-8=-819/625, 4-6=-819/625

NOTES (8-9)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All bearings are assumed to be SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=265, 6=265.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T04	POLYNESIAN	1	3	I5280080

Builders FirstSource, Jacksonville, Fl 32244

Job Reference (optional)

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:03 2012 Page 1

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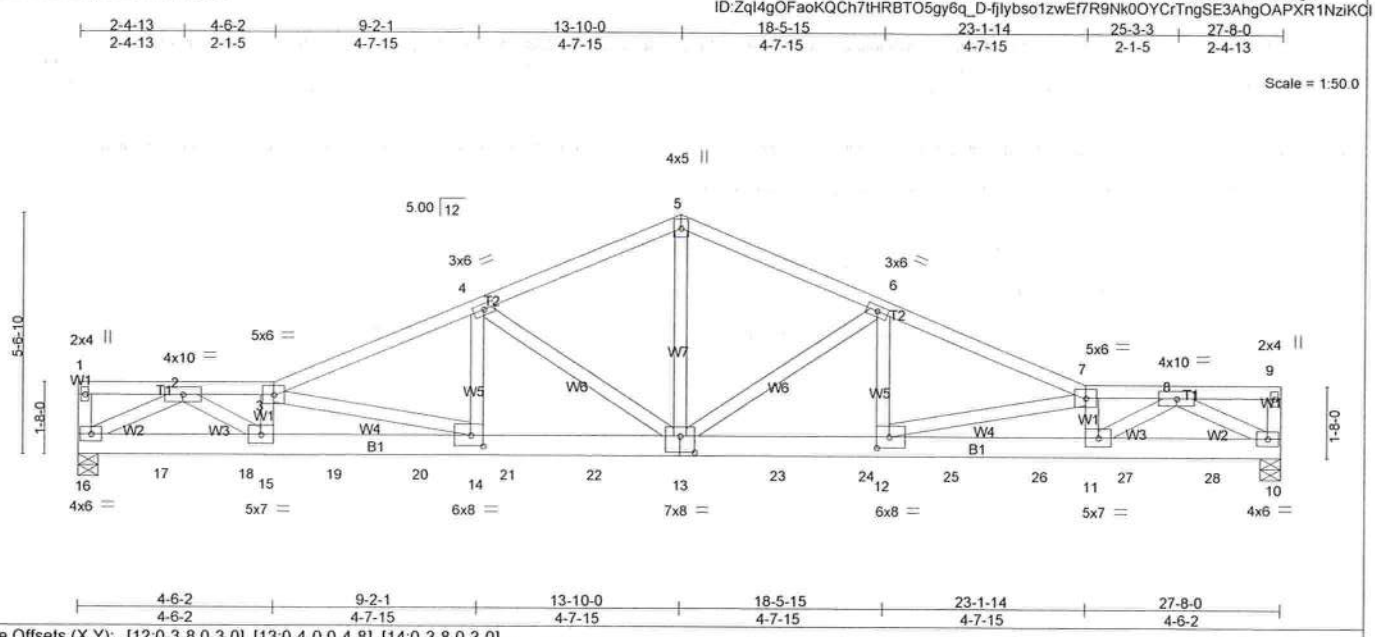

Plate Offsets (X,Y): [12:0-3-8,0-3-0], [13:0-4-0,0-4-8], [14:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.20	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.49	13-14	>674	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.18	13-14	>999	240	Weight: 515 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP M 31
BOT CHORD 2 X 6 SYP SS
WEBS 2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 16=5648/0-5-8, 10=5744/0-5-8
Max Horz 16=-58(LC 6)
Max Uplift 16=-1568(LC 5), 10=-1595(LC 6)

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

TOP CHORD 1-2=-370/102, 2-3=-15989/4401, 3-4=-12536/3444, 4-5=-9073/2507, 5-6=-9073/2507, 6-7=-12507/3436, 7-8=-16007/4408, 8-9=-381/105

BOT CHORD 16-17=-2485/8730, 17-18=-2485/8730, 15-18=-2485/8730, 15-19=-4576/16400, 19-20=-4576/16400, 14-20=-4576/16400, 14-21=-3201/11557, 21-22=-3201/11557, 13-22=-3201/11557, 13-23=-3136/11530, 23-24=-3136/11530, 12-24=-3136/11530, 12-25=-4524/16415, 25-26=-4524/16415, 11-26=-4524/16415, 11-27=-2432/8744, 27-28=-2432/8744, 10-28=-2432/8744

WEBS 2-16=-9635/2680, 2-15=-2363/8689, 3-15=-3648/1042, 3-14=-5024/1427, 4-14=-853/3229, 4-13=-3929/1176, 5-13=-1812/6663, 6-13=-3896/1167, 6-12=-844/3199, 7-12=-5068/1441, 7-11=-3625/1035, 8-11=-2365/8693, 8-10=-9638/2682

NOTES (12-13)

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 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 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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) All bearings are assumed to be SYP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=1568, 10=1595.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

February 23,2012

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1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T05	COMMON	19	1	I5280081

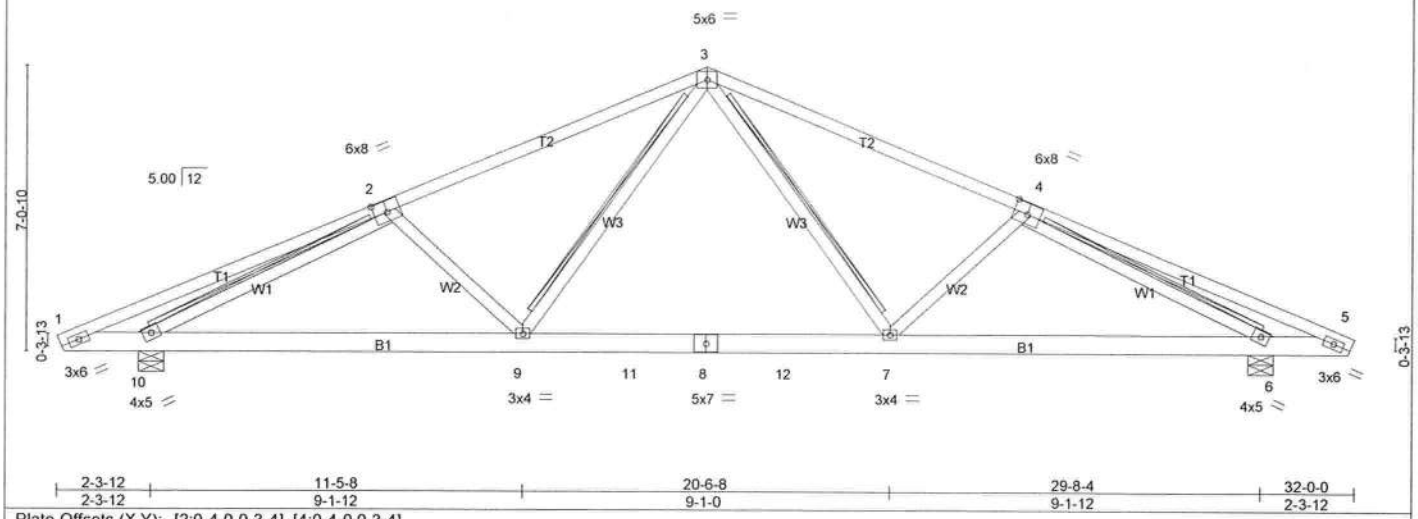
Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:04 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-7vsKoCpfkEMWlbkZHkvnI2?xusYMvBVYP3H_ZpziKCH

8-2-0 (8-2-0) | 16-0-0 (7-10-0) | 23-10-0 (7-10-0) | 32-0-0 (8-2-0)

Scale = 1:53.7



2-3-12 (2-3-12) | 11-5-8 (9-1-12) | 20-6-8 (9-1-0) | 29-8-4 (9-1-12) | 32-0-0 (2-3-12)

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.23	7-9	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.48	7-9	>701	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(TL)	-0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.49	7-9	>683	240	Weight: 183 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP M 31
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-5-4 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-7, 3-9, 2-10, 4-6
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=1574/0-7-8, 6=1574/0-7-8
Max Horz 10=99(LC 6)
Max Uplift 10=-957(LC 6), 6=-957(LC 7)

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

TOP CHORD 1-2=-258/387, 2-3=-2364/3049, 3-4=-2364/3049, 4-5=-258/387
BOT CHORD 9-10=-2654/2245, 9-11=-1809/1640, 8-11=-1809/1640, 8-12=-1809/1640, 7-12=-1809/1640, 6-7=-2654/2245
WEBS 3-7=-1175/829, 4-7=-261/257, 3-9=-1175/829, 2-9=-261/257, 2-10=-2580/2751, 4-6=-2580/2751

NOTES (10-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) All bearings are assumed to be SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=957, 6=957.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

LOAD CASE(S) Standard

Continued on page 2

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T06	COMMON	2	2	I5280082

Builders FirstSource, Jacksonville, Fl 32244

Job Reference (optional)

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:05 2012 Page 1

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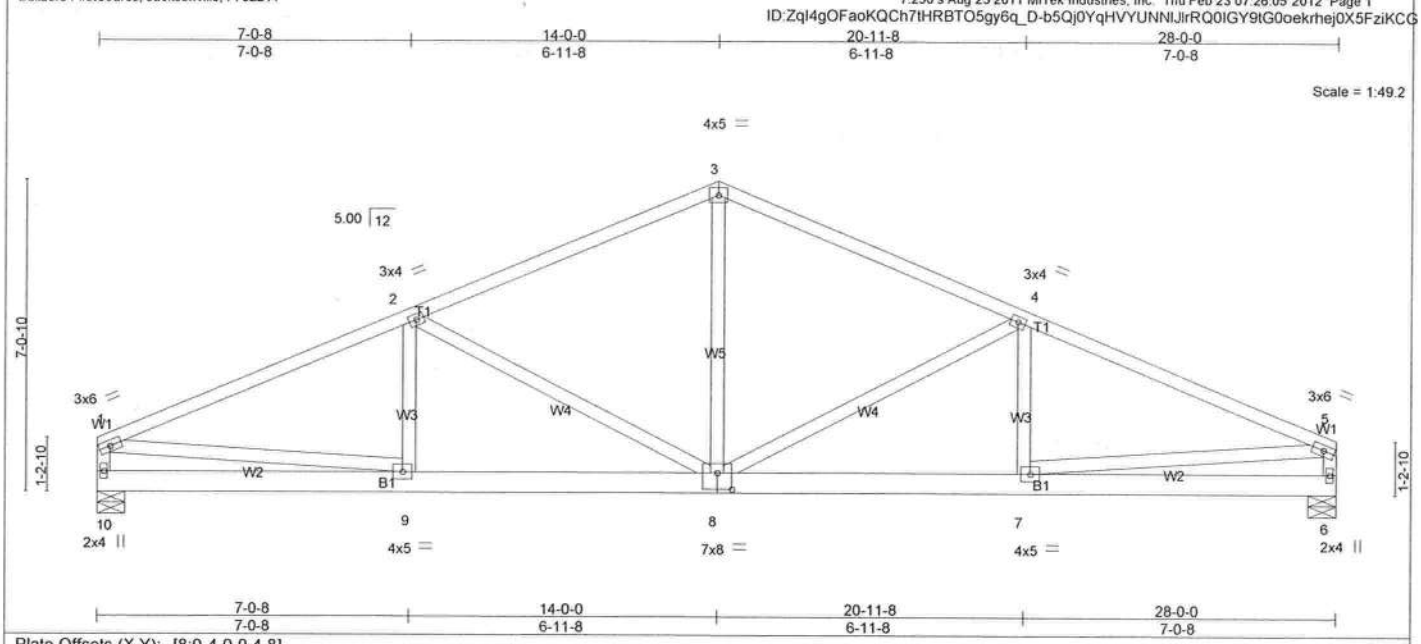


Plate Offsets (X,Y): [8:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.09	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.04	8-9	>999	240	Weight: 348 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP 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.

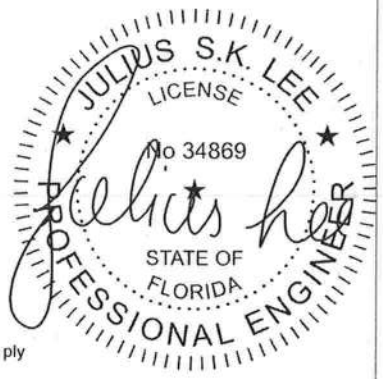
REACTIONS (lb/size) 10=1108/0-7-8, 6=1108/0-7-8
Max Horz 10=86(LC 16)
Max Uplift 10=-964(LC 15), 6=-964(LC 18)
Max Grav 10=1775(LC 10), 6=1775(LC 9)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3116/1760, 2-3=-2127/1118, 3-4=-2127/1118, 4-5=-3116/1760, 1-10=-1678/961, 5-6=-1678/961
BOT CHORD 9-10=-777/857, 8-9=-978/2050, 7-8=-892/2050, 6-7=-694/857
WEBS 3-8=-133/619, 4-8=-730/458, 4-7=-227/257, 2-8=-730/458, 2-9=-227/257, 1-9=-1414/2484, 5-7=-1411/2484

NOTES (11-12)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 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 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SYP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=964, 6=964.
9) This truss has been designed for a total drag load of 100 plf. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 14-0-0, 14-0-0 to 28-0-0 for 100.0 plf.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T07	HIP	1	1	I5280083
Builders FirstSource, Jacksonville, Fl 32244					Job Reference (optional)

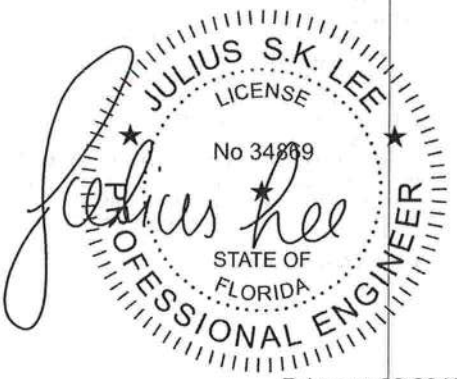
7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:06 2012 Page 2
ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-3Iz5DtrvFrcE_uuyP9xFqT4FogE2N88qtNm5diziKCF

NOTES (12-13)

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 101 lb down and 138 lb up at 7-0-0, 53 lb down and 56 lb up at 9-0-12, 53 lb down and 56 lb up at 11-0-12, 53 lb down and 56 lb up at 13-0-12, 53 lb down and 56 lb up at 15-0-12, 53 lb down and 56 lb up at 16-11-4, 53 lb down and 56 lb up at 18-11-4, 53 lb down and 56 lb up at 20-11-4, and 53 lb down and 56 lb up at 22-11-4, and 141 lb down and 138 lb up at 25-0-0 on top chord, and 40 lb down and 96 lb up at 7-0-0, 30 lb down and 12 lb up at 9-0-12, 30 lb down and 12 lb up at 11-0-12, 30 lb down and 12 lb up at 13-0-12, 30 lb down and 12 lb up at 15-0-12, 30 lb down and 12 lb up at 16-11-4, 30 lb down and 12 lb up at 18-11-4, 30 lb down and 12 lb up at 20-11-4, and 30 lb down and 12 lb up at 22-11-4, and 40 lb down and 96 lb up at 24-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
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.
13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-5=-60, 5-6=-60, 1-6=-20
Concentrated Loads (lb)
Vert: 2=-101(B) 5=-101(B) 10=-40(B) 3=-53(B) 4=-53(B) 8=-40(B) 12=-53(B) 13=-53(B) 14=-53(B) 15=-53(B) 16=-53(B) 17=-53(B) 18=-10(B) 19=-10(B) 20=-10(B) 21=-10(B) 22=-10(B) 23=-10(B) 24=-10(B) 25=-10(B)



February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T09	HIP	1	1	I5280085
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:07 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-XUXTRDsY09k5c2T8zsSUNhdUo3aS6aU_51VeA8ziKCE

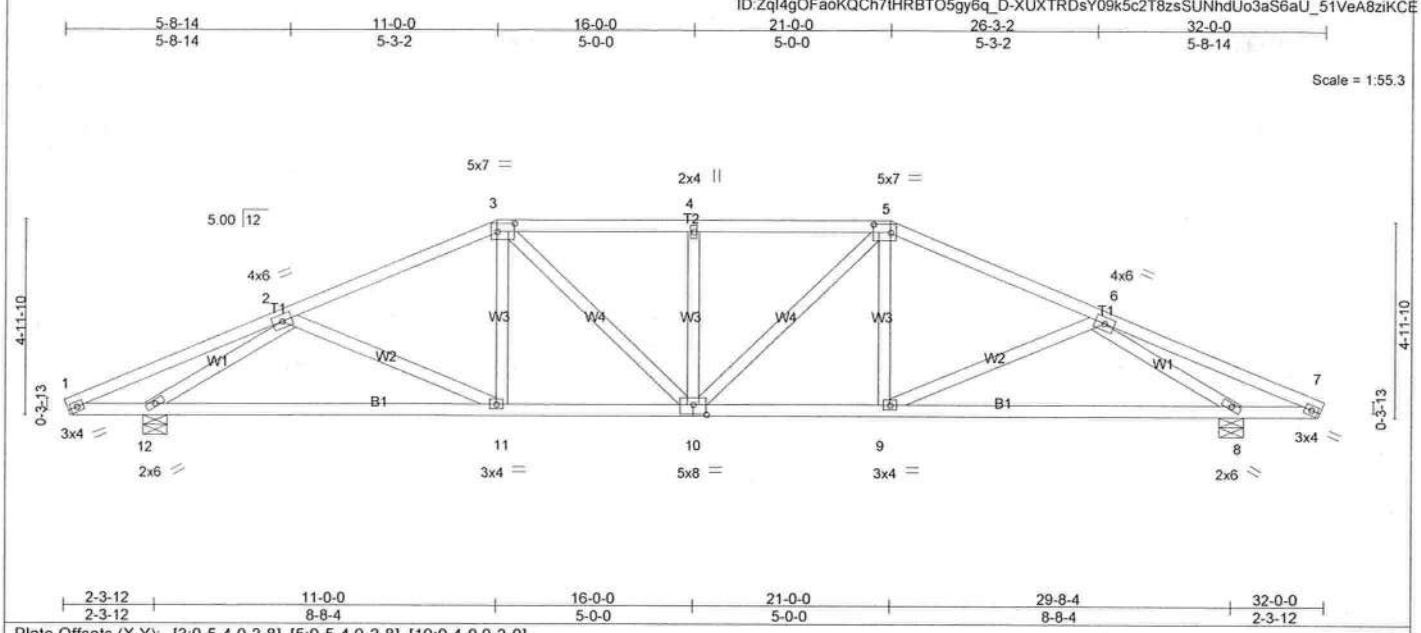


Plate Offsets (X,Y): [3:0-5-4,0-2-8], [5:0-5-4,0-2-8], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.13	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.33	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.11	10	>999	240	Weight: 166 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=1271/0-7-8, 8=1271/0-7-8
Max Horz 12=69(LC 6)
Max Uplift 12=-377(LC 6), 8=-377(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-365/186, 2-3=-1641/985, 3-4=-1658/1106, 4-5=-1658/1106, 5-6=-1641/985, 6-7=-365/186
BOT CHORD 1-12=-104/393, 11-12=-789/1402, 10-11=-665/1453, 9-10=-665/1453, 8-9=-789/1402, 7-8=-104/393
WEBS 3-11=-1/260, 3-10=-193/368, 4-10=-333/271, 5-10=-193/368, 5-9=-1/260, 2-12=-1824/1434, 6-8=-1824/1434

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=377, 8=377.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T11	HIP	1	1	I5280087
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:08 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-?g5reZsAnTsyEC2KWazjvuAbjTxWr2A7KhFCiaziKCD

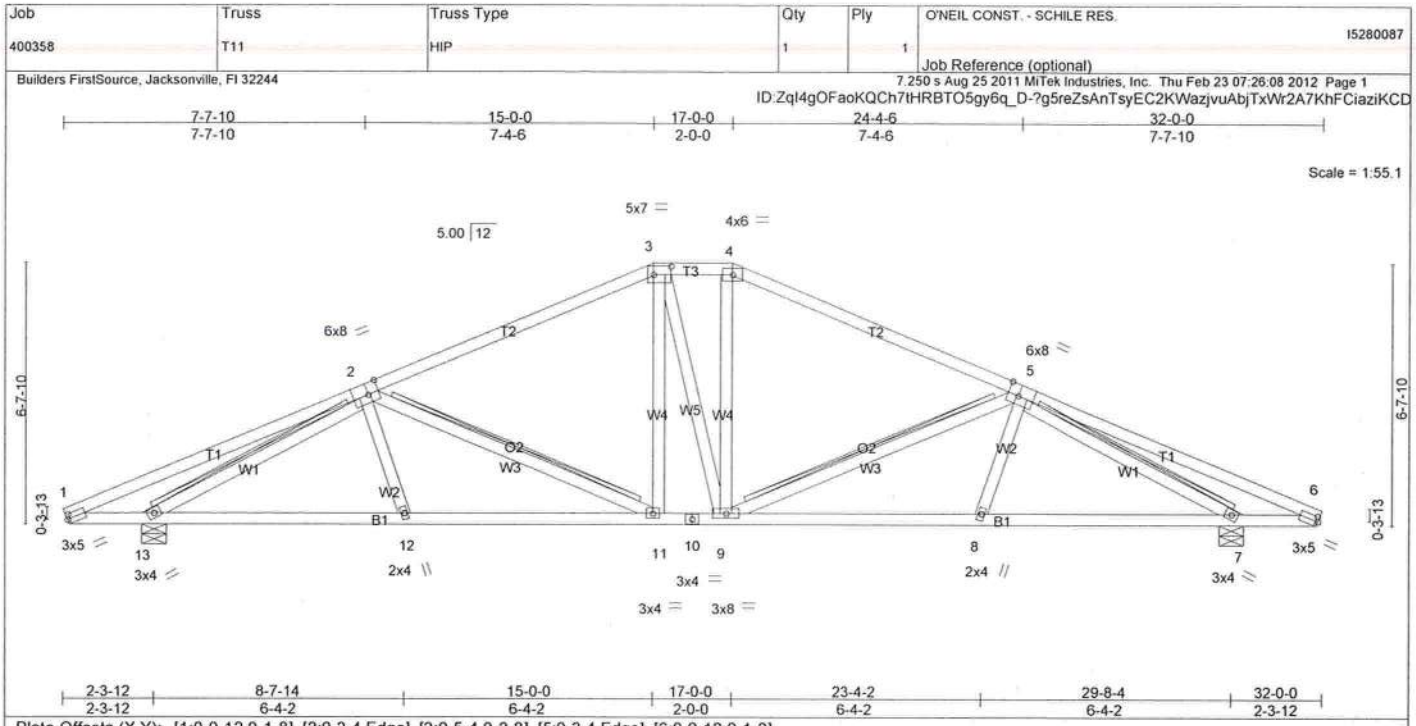


Plate Offsets (X,Y): [1:0-0-12,0-1-8], [2:0-3-4,Edge], [3:0-5-4,0-2-8], [5:0-3-4,Edge], [6:0-0-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.08	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.22	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.13	11-12	>999	240	Weight: 177 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-11, 5-9, 2-13, 5-7
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 13=1271/0-7-8, 7=1271/0-7-8
Max Horz 13=94(LC 6)
Max Uplift 13=-407(LC 6), 7=-407(LC 7)

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

TOP CHORD 1-2=-314/283, 2-3=-1420/936, 3-4=-1228/941, 4-5=-1421/936, 5-6=-314/283
BOT CHORD 1-13=-168/370, 12-13=-893/1591, 11-12=-871/1626, 10-11=-534/1226, 9-10=-534/1226, 8-9=-871/1625, 7-8=-892/1590, 6-7=-167/370
WEBS 2-12=0/276, 2-11=-487/372, 3-11=-132/294, 4-9=-134/302, 5-9=-484/371, 5-8=0/274, 2-13=-2022/1461, 5-7=-2021/1460

NOTES (10-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=407, 7=407.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T12	SPECIAL	1	1	I5280088
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:09 2012 Page 2

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-UtfDsvtoYm_prMcW4HVyS6ih?tCfaORHZL_IE1ziKCC

NOTES (13-14)

9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 99 lb down and 128 lb up at 6-6-12, 99 lb down and 128 lb up at 8-6-12, 99 lb down and 128 lb up at 10-6-12, 99 lb down and 128 lb up at 12-6-12, 99 lb down and 128 lb up at 14-6-12, 99 lb down and 128 lb up at 16-5-0, 99 lb down and 128 lb up at 18-3-4, 99 lb down and 128 lb up at 20-3-4, 99 lb down and 128 lb up at 22-3-4, 99 lb down and 128 lb up at 24-3-4, 99 lb down and 128 lb up at 26-3-4, 99 lb down and 128 lb up at 28-3-4, and 18 lb down and 36 lb up at 30-3-4, and 30 lb down and 65 lb up at 32-3-4 on top chord, and 66 lb down and 34 lb up at 6-6-12, 66 lb down and 34 lb up at 8-6-12, 66 lb down and 34 lb up at 10-6-12, 66 lb down and 34 lb up at 12-6-12, 66 lb down and 34 lb up at 14-6-12, 66 lb down and 34 lb up at 16-5-0, 66 lb down and 34 lb up at 18-3-4, 66 lb down and 34 lb up at 20-3-4, 66 lb down and 34 lb up at 22-3-4, 66 lb down and 34 lb up at 24-3-4, 66 lb down and 34 lb up at 26-3-4, 66 lb down and 34 lb up at 28-0-12, and 118 lb down and 146 lb up at 30-3-4, and 51 lb down and 80 lb up at 32-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-60, 2-8=-60, 13-14=-20, 10-13=-20, 9-10=-20

Concentrated Loads (lb)

Vert: 10=-33(F) 3=-99(F) 7=-99(F) 15=-99(F) 16=-99(F) 17=-99(F) 18=-99(F) 19=-99(F) 20=-99(F) 21=-99(F) 22=-99(F) 23=-99(F) 24=-99(F) 25=36(F) 26=-30(F) 27=-33(F) 28=-33(F) 29=-33(F) 30=-33(F) 31=-33(F) 32=-33(F) 33=-33(F) 34=-33(F) 35=-33(F) 36=-33(F) 37=-33(F) 38=-118(F) 39=-51(F)

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Julius Lee

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T12A	SPECIAL	1	1	I5280089
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:10 2012 Page 2

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-y3Dc3FuQJ46gTWBje_0B?JFsRHYXJrZQn?klmTziKCB

NOTES (14-15)

10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 167 lb down and 263 lb up at 5-6-0, 99 lb down and 128 lb up at 7-6-12, 99 lb down and 128 lb up at 9-6-12, 99 lb down and 128 lb up at 11-6-12, 99 lb down and 128 lb up at 13-6-12, 99 lb down and 128 lb up at 15-6-12, 99 lb down and 128 lb up at 16-11-0, 99 lb down and 128 lb up at 18-3-4, 99 lb down and 128 lb up at 20-3-4, 99 lb down and 128 lb up at 22-3-4, 99 lb down and 128 lb up at 24-3-4, and 99 lb down and 128 lb up at 26-3-4, and 207 lb down and 269 lb up at 28-4-0 on top chord, and 124 lb down and 272 lb up at 5-7-1, 66 lb down and 34 lb up at 7-6-12, 66 lb down and 34 lb up at 9-6-12, 66 lb down and 34 lb up at 11-6-12, 66 lb down and 34 lb up at 13-6-12, 66 lb down and 34 lb up at 15-6-12, 66 lb down and 34 lb up at 16-11-0, 66 lb down and 34 lb up at 18-3-4, 66 lb down and 34 lb up at 20-3-4, 66 lb down and 34 lb up at 22-3-4, 66 lb down and 34 lb up at 24-3-4, and 66 lb down and 34 lb up at 26-3-4, and 124 lb down and 272 lb up at 28-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

12) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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.

15) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

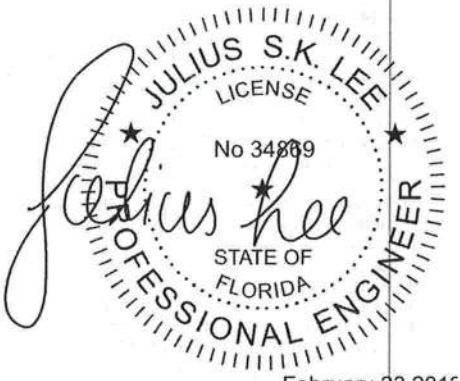
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-60, 2-7=-60, 7-8=-60, 14-15=-20, 10-14=-20, 9-10=-20

Concentrated Loads (lb)

Vert: 2=-167(B) 7=-167(B) 12=-33(B) 14=-112(B) 3=-99(B) 6=-99(B) 10=-112(B) 16=-99(B) 17=-99(B) 18=-99(B) 19=-99(B) 20=-99(B) 21=-99(B) 22=-99(B) 23=-99(B) 24=-99(B) 25=-33(B) 26=-33(B) 27=-33(B) 28=-33(B) 29=-33(B) 30=-33(B) 31=-33(B) 32=-33(B) 33=-33(B) 34=-33(B)



February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

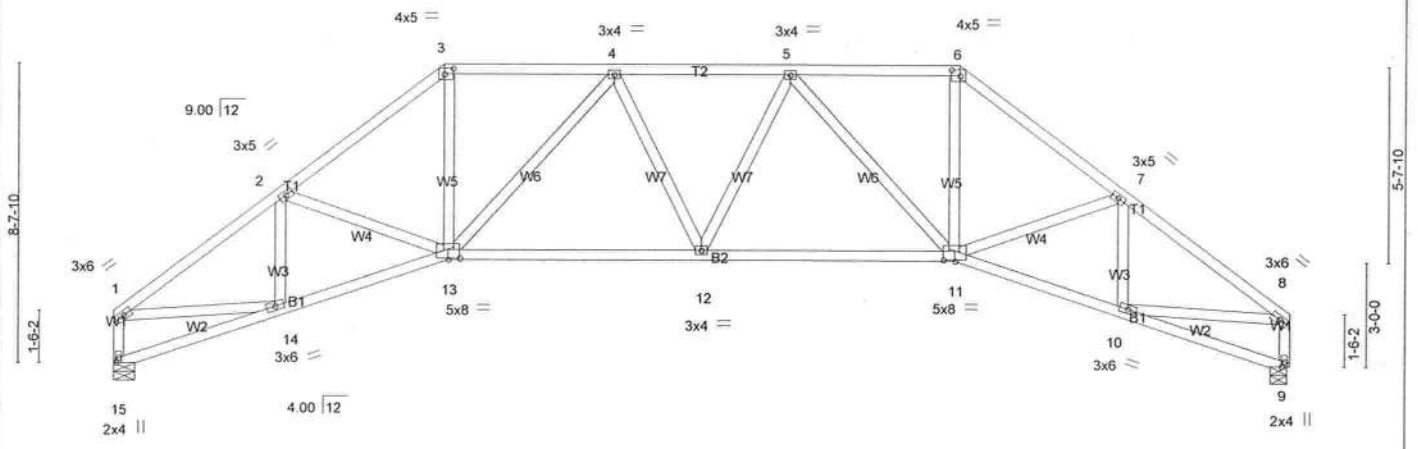
Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	I5280091
400358	T14	SPECIAL	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FI 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:12 2012 Page 1

ID:Zql4gOFaoKQCh7tHRBTO5gy6q_D-uSLMUxvgrhMNipL5IP2f4kKKh4JAns?jFJDPrLziKC9

4-9-7	9-6-0	14-4-11	19-5-5	24-4-0	29-0-9	33-6-8	33-10-0
4-9-7	4-8-9	4-10-11	5-0-9	4-10-11	4-8-9	4-5-15	0-3-8

Scale = 1:62.7



4-9-7	9-7-8	16-11-0	24-2-8	29-0-9	33-6-4	33-10-0
4-9-7	4-10-1	7-3-8	7-3-8	4-10-1	4-5-11	0-3-12

Plate Offsets (X,Y): [3:0-3-0,0-2-0], [6:0-3-0,0-2-0], [11:0-4-0,0-0-8], [13:0-4-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.11	12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.35	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.25	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.16	12	>999	240	Weight: 203 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-8-13 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 15=1342/0-7-8, 9=1342/0-5-8
Max Horz 15=246(LC 5)
Max Uplift 15=-341(LC 5), 9=-341(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2112/1109, 2-3=-2226/1222, 3-4=-1729/1066, 4-5=-2113/1262, 5-6=-1729/1066, 6-7=-2226/1222, 7-8=-2112/1109, 1-15=-1313/734, 8-9=-1313/734
BOT CHORD 14-15=-285/268, 13-14=-842/1732, 12-13=-887/2073, 11-12=-887/2073, 10-11=-842/1732
WEBS 2-14=-395/270, 3-13=-513/1013, 4-13=-597/356, 5-11=-597/355, 6-11=-513/1013, 7-10=-395/270, 1-14=-749/1569, 8-10=-749/1569

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 15, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=341, 9=341.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	
400358	T16	SPECIAL	2	1	Job Reference (optional)	I5280093

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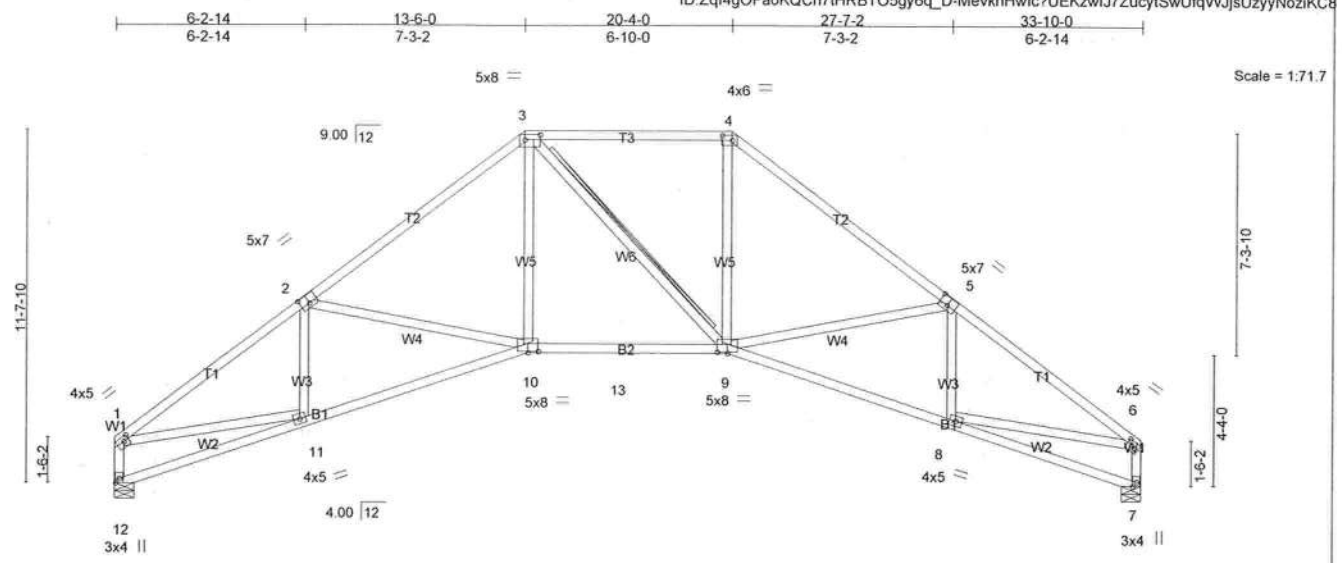

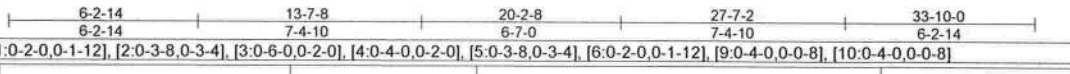

Plate Offsets (X,Y): [1:0-2-0,0-1-12], [2:0-3-8,0-3-4], [3:0-6-0,0-2-0], [4:0-4-0,0-2-0], [5:0-3-8,0-3-4], [6:0-2-0,0-1-12], [9:0-4-0,0-0-8], [10:0-4-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.18	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.41	9-10	>992	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.26	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.14	10	>999	240	Weight: 201 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-13 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-9
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=1407/0-7-8, 7=1395/0-7-8
Max Horz 12=351(LC 5)
Max Uplift 12=-317(LC 6), 7=-317(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2421/1158, 2-3=-2252/1074, 3-4=-1677/985, 4-5=-2220/1074, 5-6=-2398/1158, 1-12=-1379/725, 6-7=-1366/725
BOT CHORD 11-12=-405/384, 10-11=-863/1988, 10-13=-501/1703, 9-13=-501/1703, 8-9=-863/1967
WEBS 2-11=-282/229, 2-10=-221/390, 3-10=-311/891, 4-9=-310/843, 5-9=-227/390, 5-8=-275/228, 1-11=-751/1788, 6-8=-751/1769

NOTES (11-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 12, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=317, 7=317.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T18	SPECIAL	2	1	I5280095
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:15 2012 Page 1

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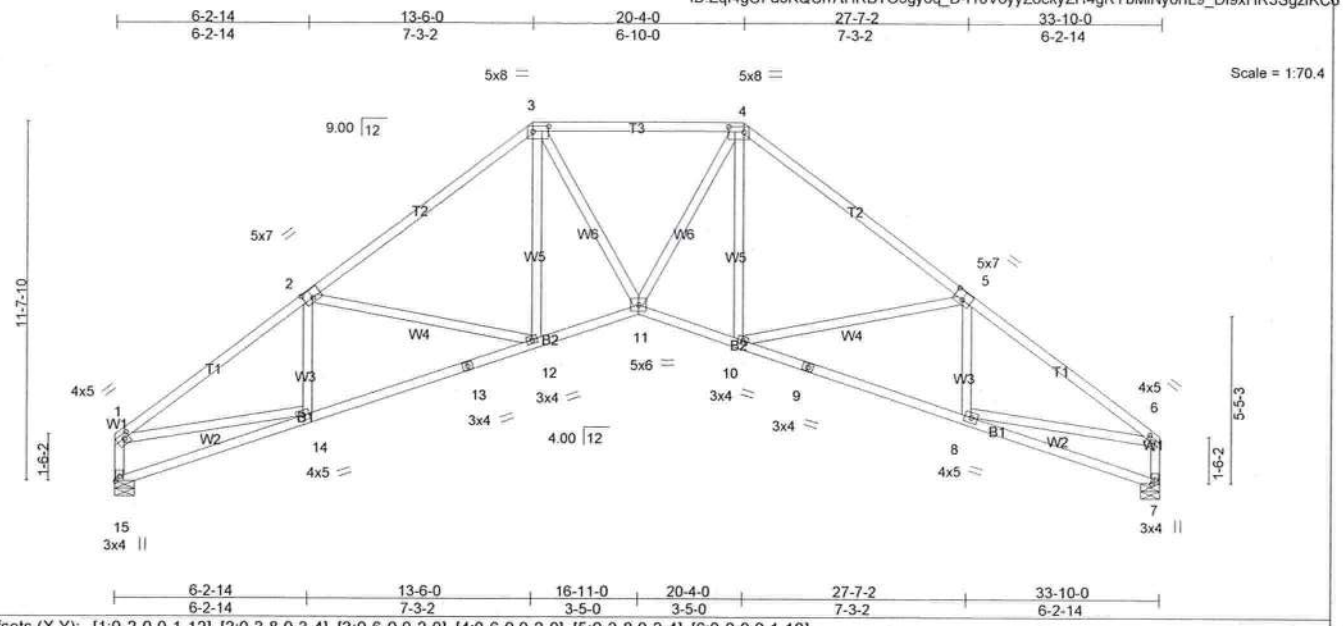

Plate Offsets (X,Y): [1:0-2-0,0-1-12], [2:0-3-8,0-3-4], [3:0-6-0,0-2-0], [4:0-6-0,0-2-0], [5:0-3-8,0-3-4], [6:0-2-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.11	11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.32	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.26	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.15	11	>999	240	Weight: 207 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-0-13 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 6-9-14 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 15=1342/0-7-8, 7=1342/0-7-8
Max Horz 15=351(LC 5)
Max Uplift 15=-317(LC 6), 7=-317(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2296/1159, 2-3=-2097/1073, 3-4=-1874/1063, 4-5=-2097/1073, 5-6=-2296/1159, 1-15=-1313/725, 6-7=-1313/725
BOT CHORD 14-15=-405/385, 13-14=-864/1860, 12-13=-854/1883, 11-12=-529/1653, 10-11=-460/1653, 9-10=-854/1884, 8-9=-864/1860
WEBS 2-14=-260/228, 2-12=-246/391, 3-12=-170/338, 3-11=-162/623, 4-11=-322/623, 4-10=-170/338, 5-10=-246/391, 5-8=-260/228, 1-14=-752/1689, 6-8=-752/1689

NOTES (11-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 15, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=317, 7=317.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T19	SPECIAL	2	2	I5280096
					Job Reference (optional)

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NOTES (15-16)

14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1568 lb down and 725 lb up at 14-0-8, and 1568 lb down and 725 lb up at 19-9-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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.

16) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 3-17=-60, 17-18=-160(F=-100), 5-18=-60, 5-7=-60, 16-19=-20, 12-19=-320(F=-300), 12-20=-320(F=-300), 8-20=-20

Concentrated Loads (lb)

Vert: 19=-1568(F) 20=-1568(F)

Julius Lee

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	V05	GABLE	1	1	I5280098

Job Reference (optional)

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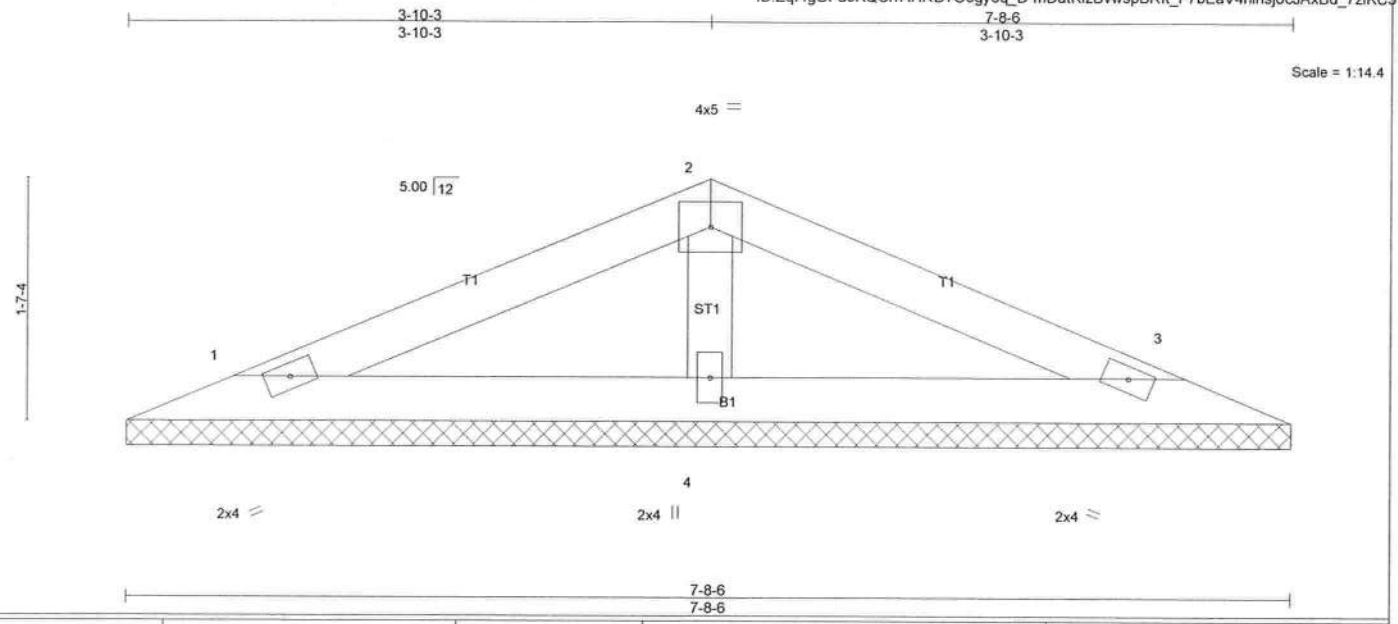

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 23 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=110/7-8-6, 3=110/7-8-6, 4=279/7-8-6
Max Horz 1=19(LC 6)
Max Uplift 1=-38(LC 6), 3=-42(LC 7), 4=-58(LC 6)
Max Grav 1=113(LC 10), 3=113(LC 11), 4=279(LC 1)

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

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,2012

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Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	V08	GABLE	1	1	I5280100
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:17 2012 Page 1

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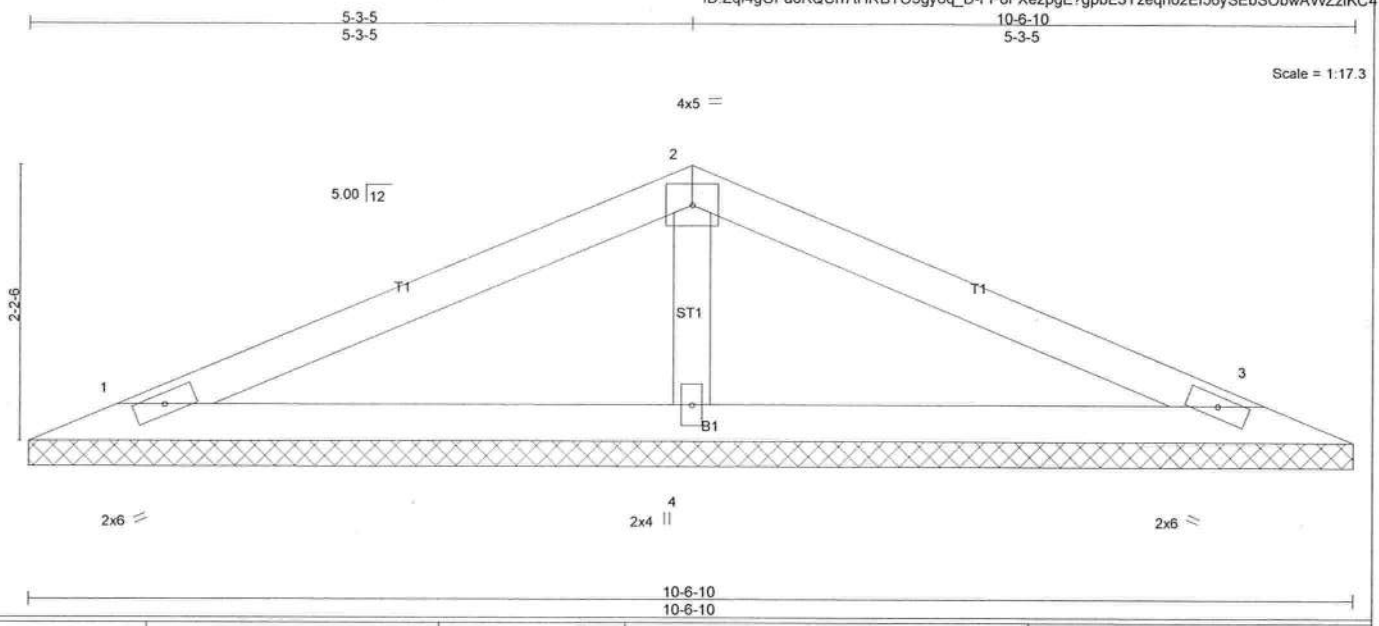


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 33 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

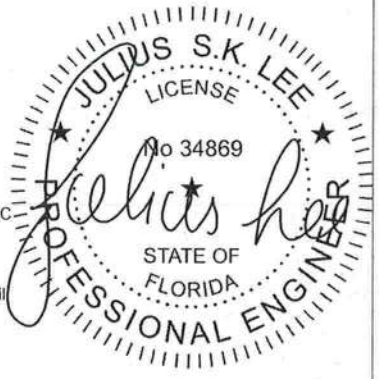
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=161/10-6-10, 3=161/10-6-10, 4=406/10-6-10
Max Horz 1=28(LC 6)
Max Uplift 1=-56(LC 6), 3=-61(LC 7), 4=-85(LC 6)
Max Grav 1=164(LC 10), 3=164(LC 11), 4=406(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-273/273

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	
400358	V13	GABLE	1	1	Job Reference (optional)	I5280102

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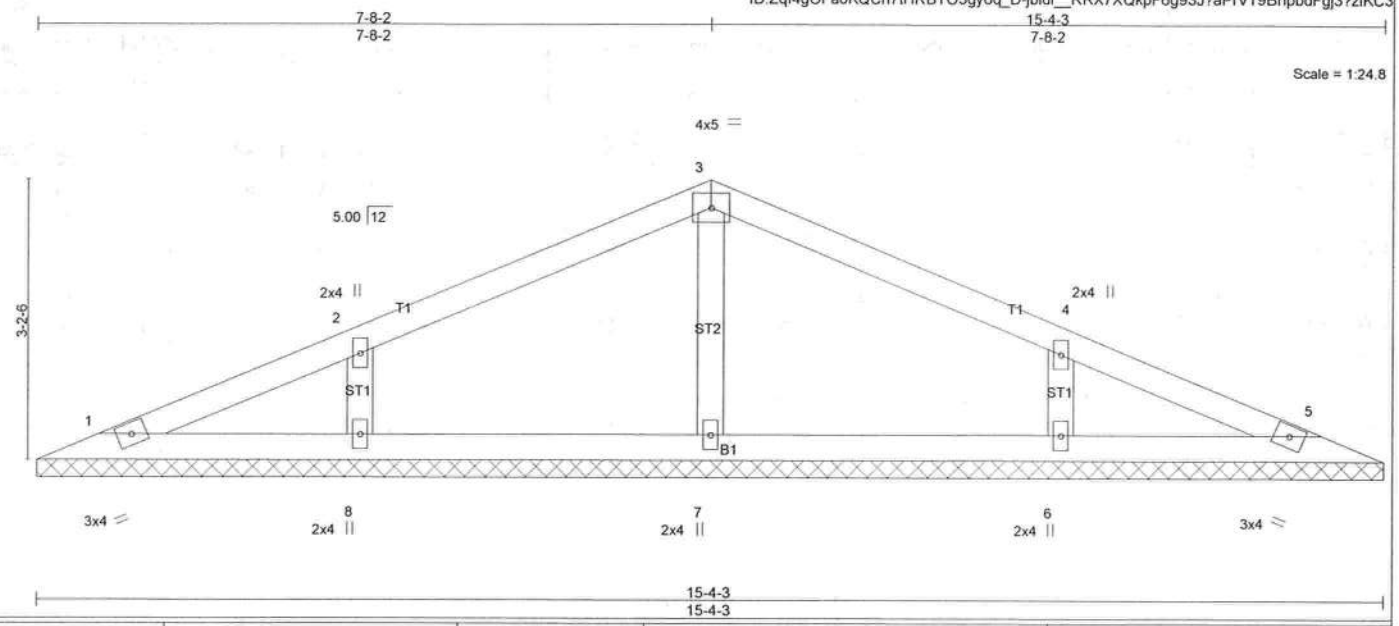


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 52 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 15-4-3.
(lb) - Max Horz 1=43(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-140(LC 6), 6=-140(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=286(LC 1), 8=330(LC 10), 6=330(LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-251/281, 4-6=-251/281

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=140, 6=140.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

August 10, 2010	T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY	ST - T-BRACE 2

MiTek Industries, Chesterfield, MO

MiTek Industries, Inc.

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

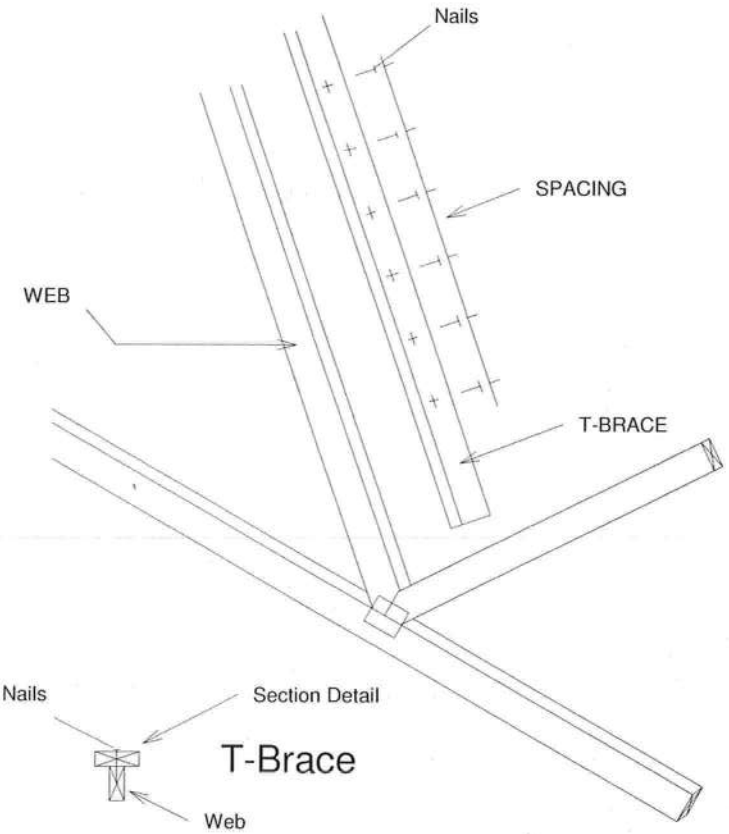
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

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

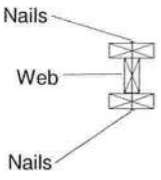
	Brace Size for One-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

	Brace Size for Two-Ply Truss	
	Specified Continuous Rows of Lateral Bracing	
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.



T-Brace



I-Brace

1109 COASTAL BAY
BOYNTON BC, FL 33435

JANUARY 1, 2009	LATERAL TOE-NAIL DETAIL	ST-TOENAIL_SP

MiTek Industries, 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.

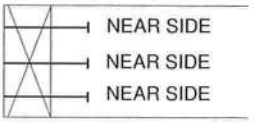
	TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)					
	DIAM.	SYP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

THIS DETAIL APPLICABLE TO THE THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

SIDE VIEW

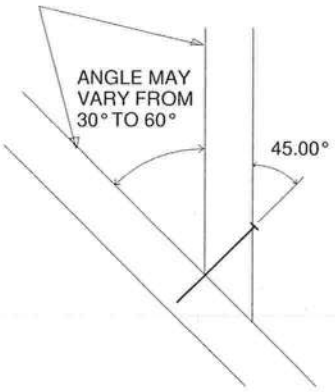
3 NAILS

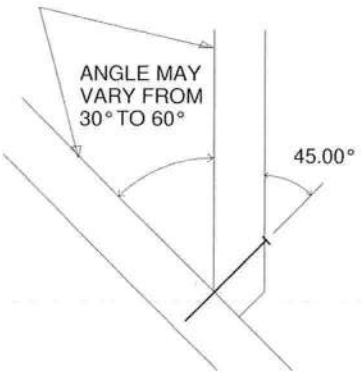


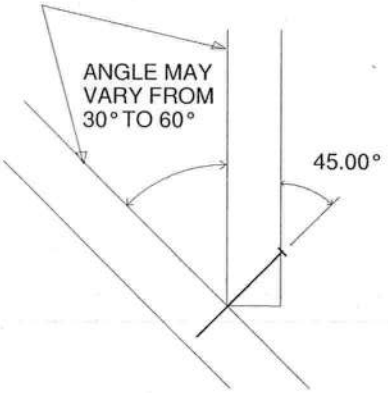
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

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







1109 COASTAL BAY
BOYNTON BC, FL 33435

JANUARY 20, 2011	STANDARD PIGGYBACK TRUSS CONNECTION DETAIL	ST-PIGGY

MiTek Industries, Chesterfield, MO

MiTek Industries, 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 7-02, ASCE 7-05 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.

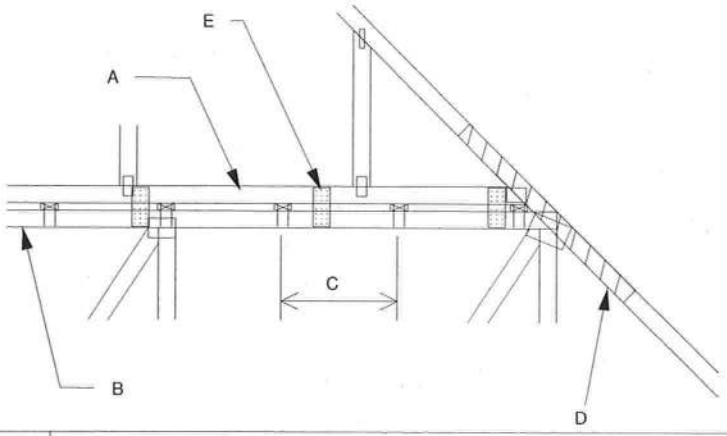
A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0.131" X 3.5" TOE NAILED.

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 90 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
2. WIND SPEED OF 91 MPH TO 140 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.

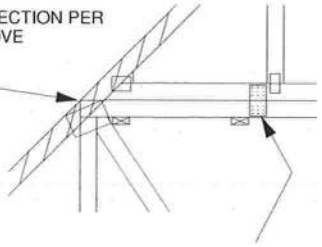
E - FOR WIND SPEEDS BETWEEN 101 AND 140 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



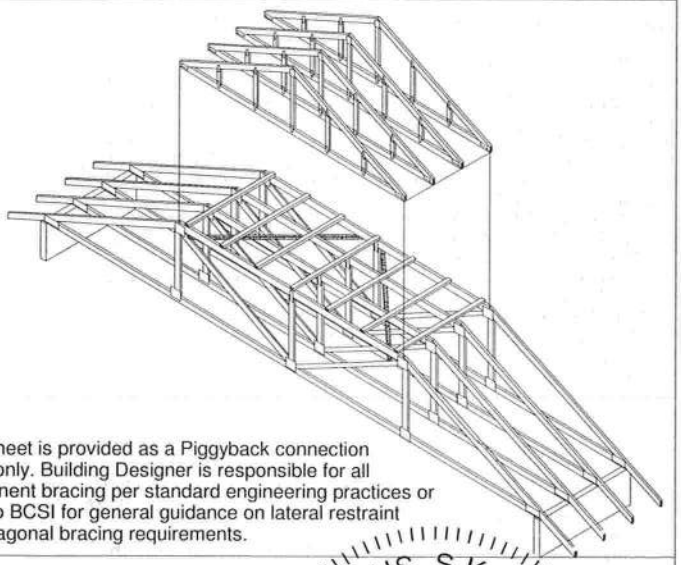
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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

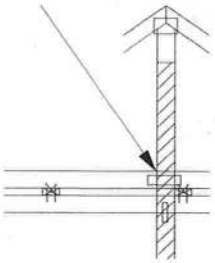


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) 0.131" X 1.5" PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



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



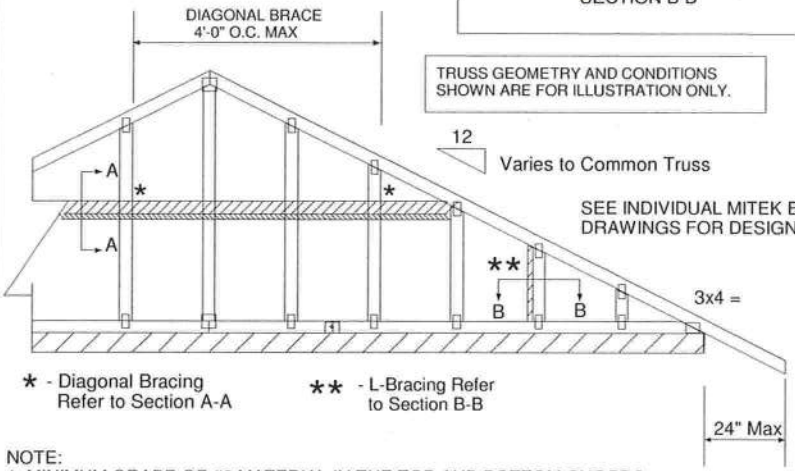
FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

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.

1109 COASTAL BAY
BOYNTON BC, FL 33435

JANUARY 1, 2009	Standard Gable End Detail	ST-GE140-001

MiTek Industries, Inc.

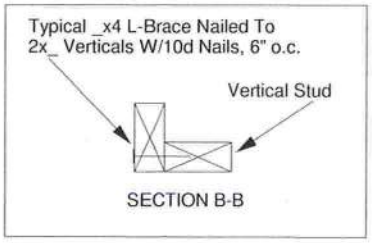


TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

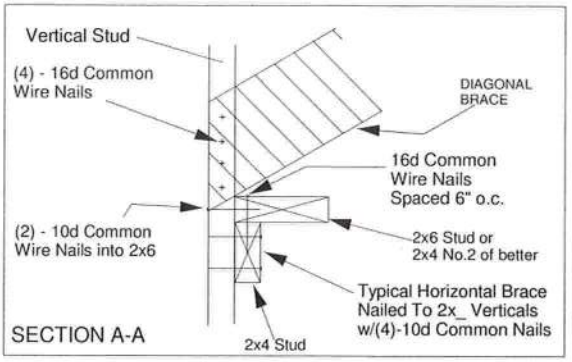
SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

* - Diagonal Bracing Refer to Section A-A

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

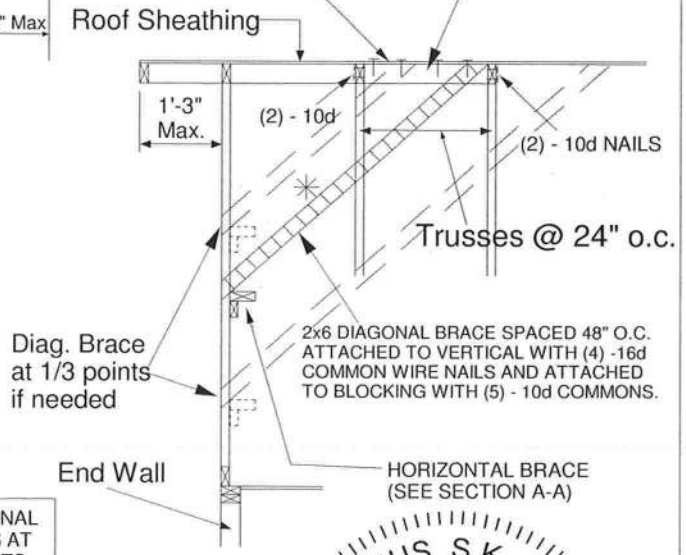


MiTek Industries, Chesterfield, MO



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d COMMON WIRE NAILS.

(4) - 8d NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SPF Std/Stud	12" O.C.	3-10-1	3-11-7	5-7-2	7-8-2	11-6-4
2x4 SPF Std/Stud	16" O.C.	3-3-14	3-5-1	4-10-2	6-7-13	9-11-11
2x4 SPF Std/Stud	24" O.C.	2-8-9	2-9-8	3-11-7	5-5-2	8-1-12

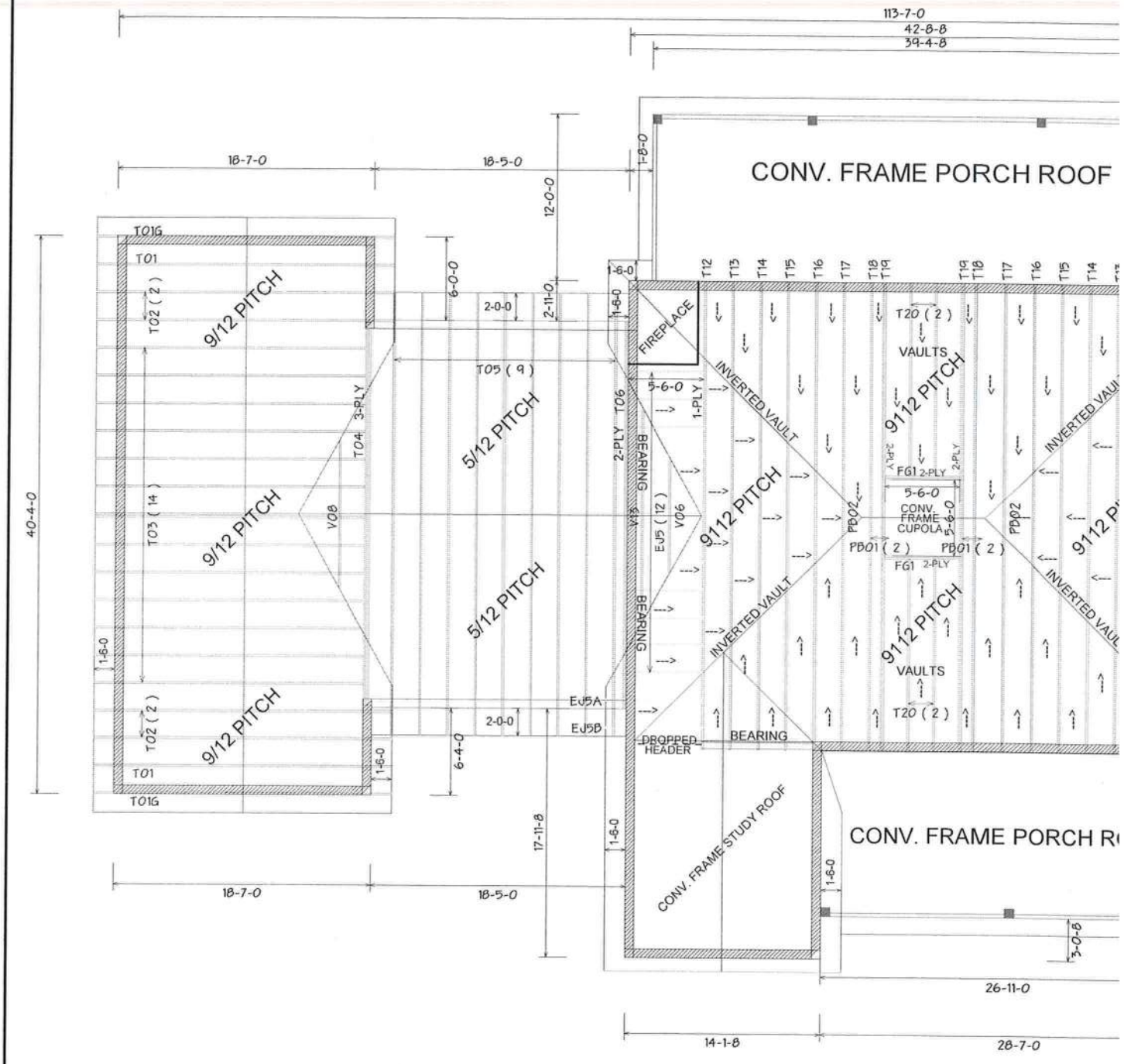
✳ Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d common wire nails 8in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length.

MAXIMUM WIND SPEED = 140 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING. CONNECTION OF BRACING IS BASED ON MWFRS.

1109 COASTAL BAY
BOYNTON BC, FL 33435

6/22/11

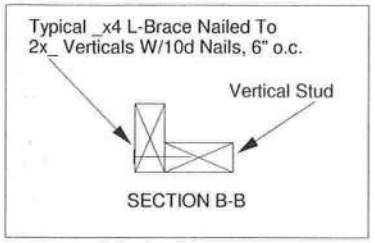


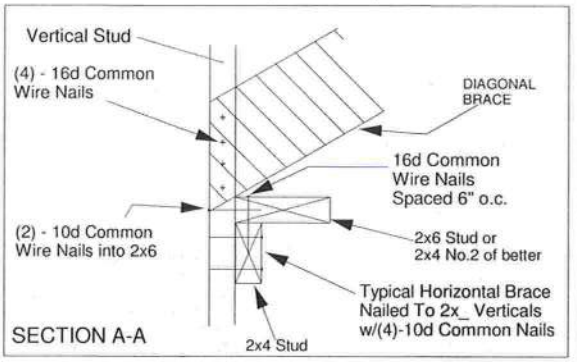
CANTILEVER'S VARY
SEE LAYOUT FOR DETAILS

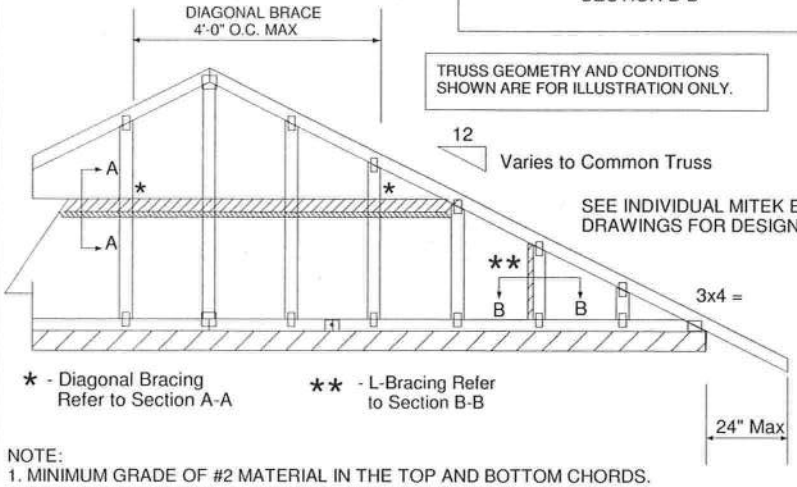
JANUARY 1, 2009	Standard Gable End Detail	ST-GE120-001

MiTek Industries, Inc.

MiTek Industries, Chesterfield, MO







TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.

12 Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA

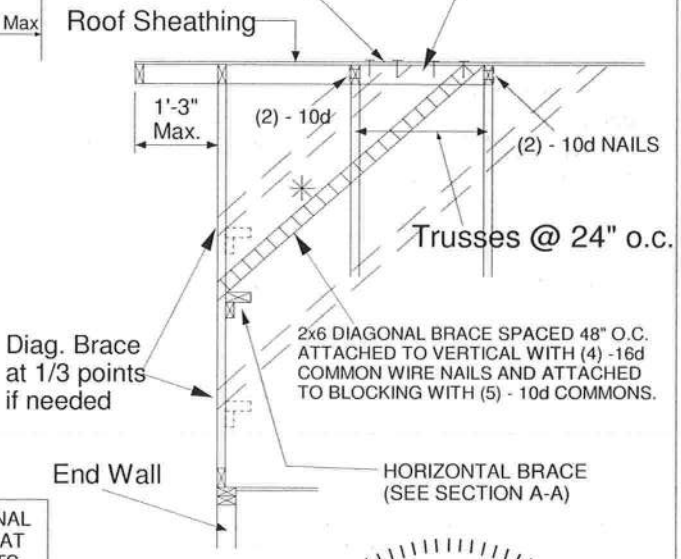
* - Diagonal Bracing Refer to Section A-A

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

24" Max

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d COMMON WIRE NAILS.

(4) - 8d NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK



NOTE:
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SPF Std/Stud	12" O.C.	4-3-2	4-7-6	6-6-5	8-6-3	12-9-6
2x4 SPF Std/Stud	16" O.C.	3-10-7	4-0-0	5-7-13	7-8-14	11-7-5
2x4 SPF Std/Stud	24" O.C.	3-2-0	3-3-2	4-7-6	6-4-0	9-6-0

✳ 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.

MAXIMUM WIND SPEED = 120 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

1109 COASTAL BAY
BOYNTON BC, FL 33435
6/22/11

FEBRUARY 8, 2008	LATERAL BRACING RECOMMENDATIONS	ST-STRGBCK

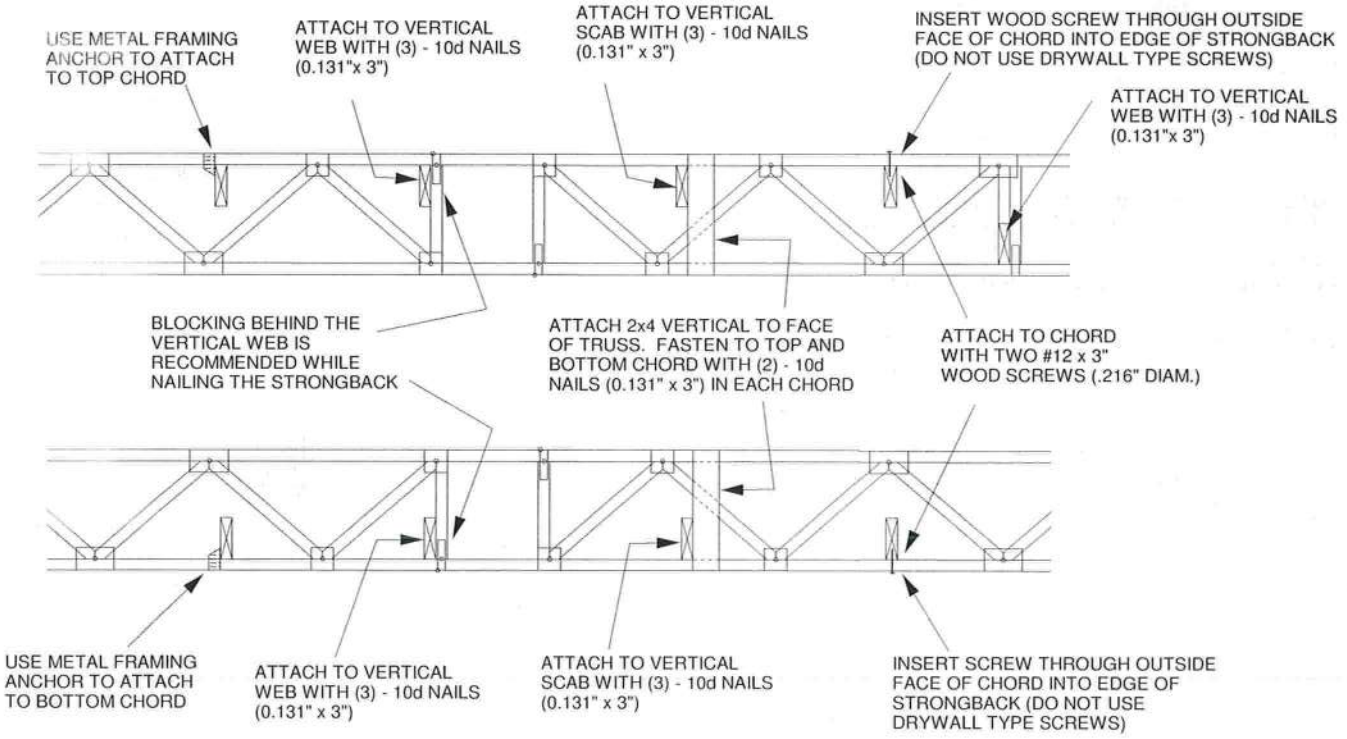
MiTek Industries, Chesterfield, MO

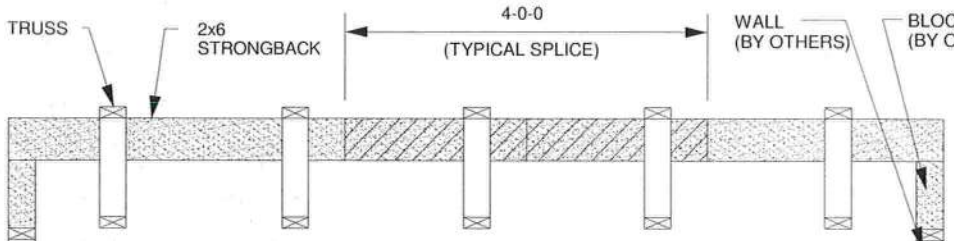
MiTek Industries, Inc.

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)

1109 COASTAL BAY
BOYNTON BC, FL 33435

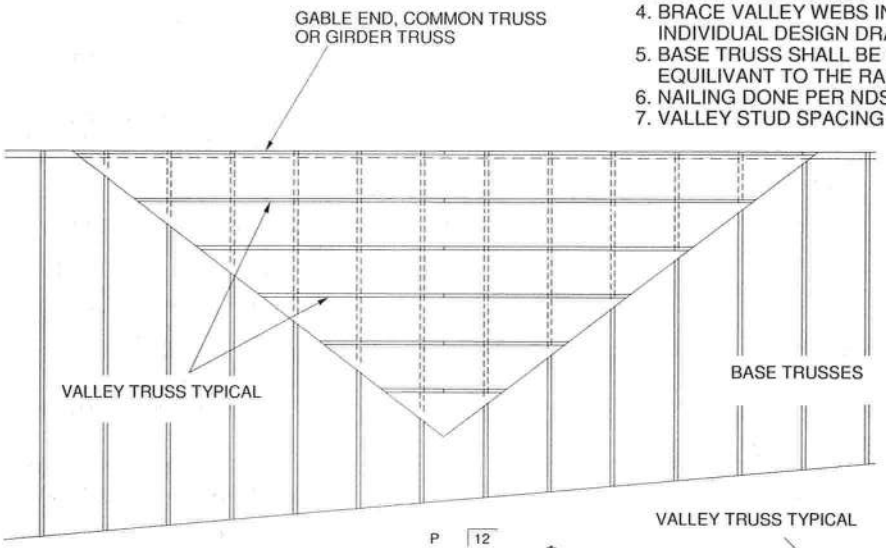
OCTOBER 25, 2010	TRUSSED VALLEY SET DETAIL	ST-VALLEY HIGH WIND1

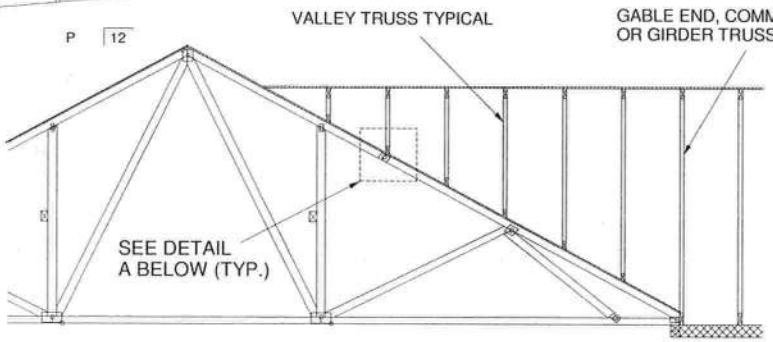
MiTek Industries, Chesterfield, MO

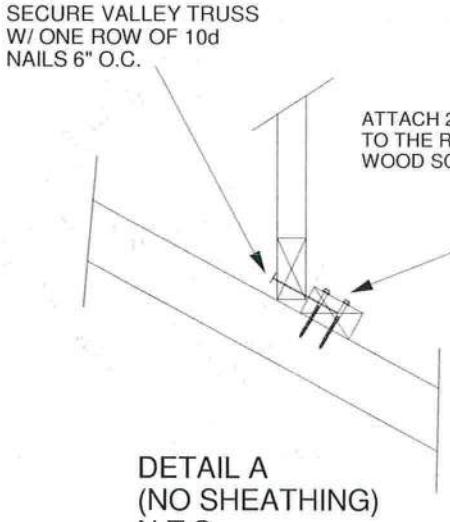
MiTek Industries, Inc.

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.







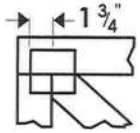
DETAIL A
(NO SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05
MAXIMUM WIND SPEED = 146 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

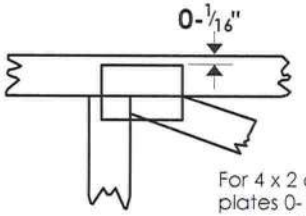
1109 COASTAL BAY
BOYNTON BC, FL 33435

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

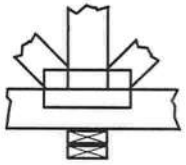
4 x 4

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, I or Eliminator bracing if indicated.

BEARING

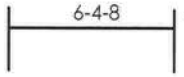


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

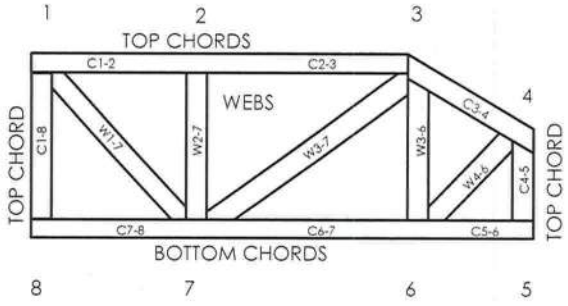
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

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 BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator 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.

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	V12	GABLE	1	1	I5280101

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:17 2012 Page 1

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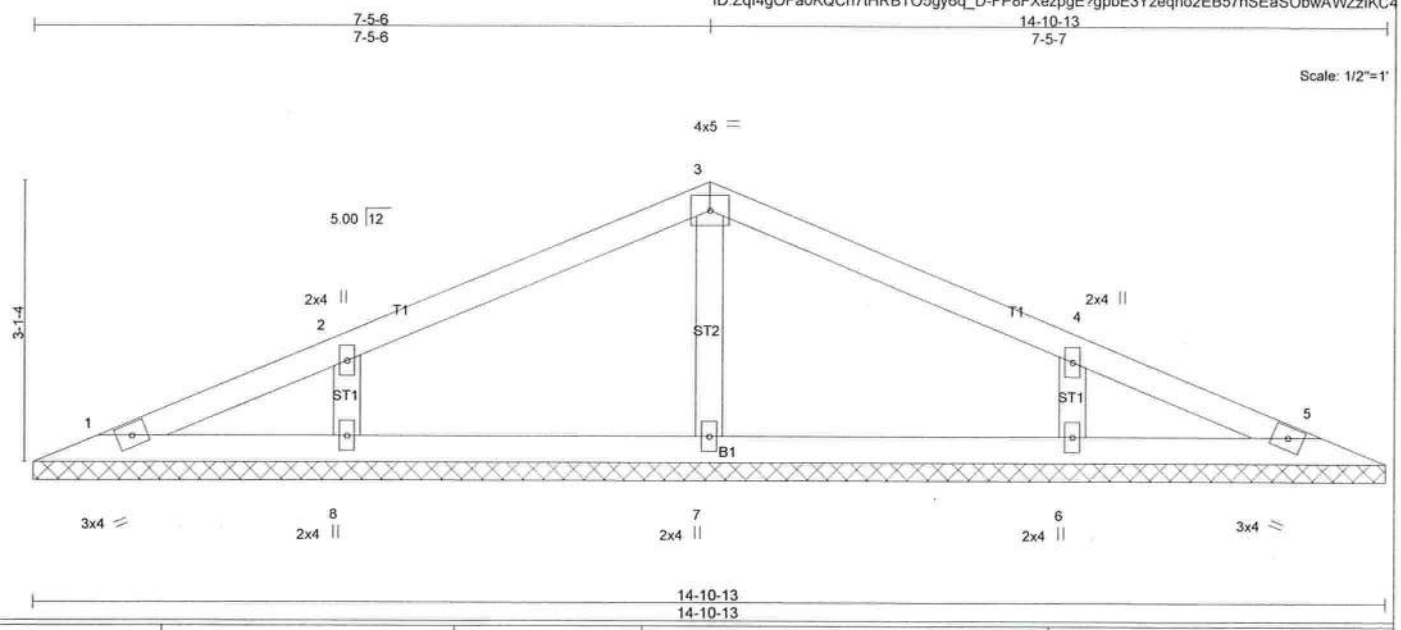


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 50 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING

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

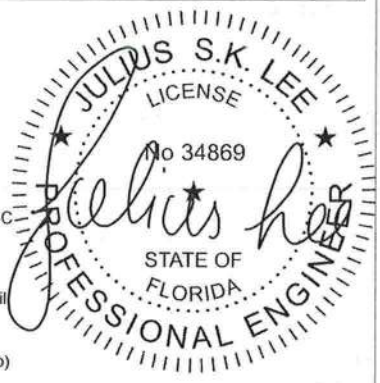
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 14-10-13.
(lb) - Max Horz 1=42(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-136(LC 6), 6=-136(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=289(LC 1), 8=320(LC 10), 6=320(LC 11)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-245/277, 4-6=-245/277

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=136, 6=136.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	V05	GABLE	1	1	I5280099
					Job Reference (optional)

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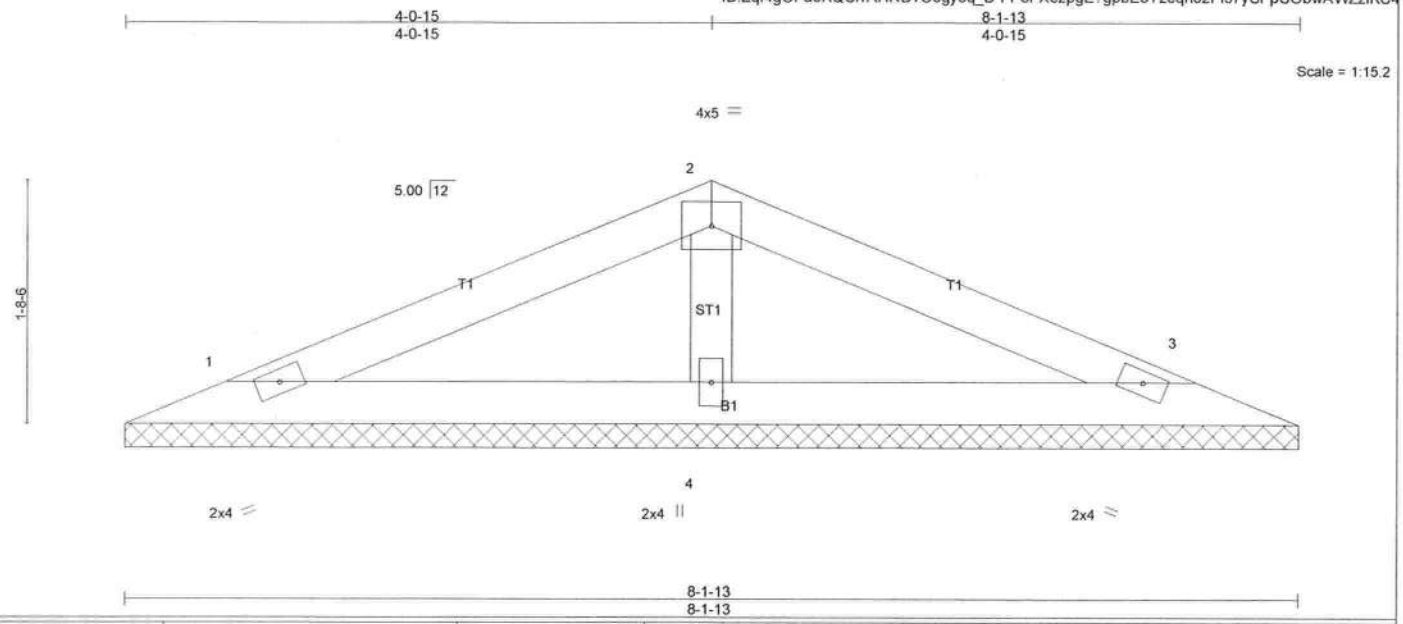

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 25 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=118/8-1-13, 3=118/8-1-13, 4=299/8-1-13
Max Horz 1=21(LC 6)
Max Uplift 1=-41(LC 6), 3=-45(LC 7), 4=-62(LC 6)
Max Grav 1=121(LC 10), 3=121(LC 11), 4=299(LC 1)

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

NOTES (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T20	SPECIAL	4	1	I5280097
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:16 2012 Page 1

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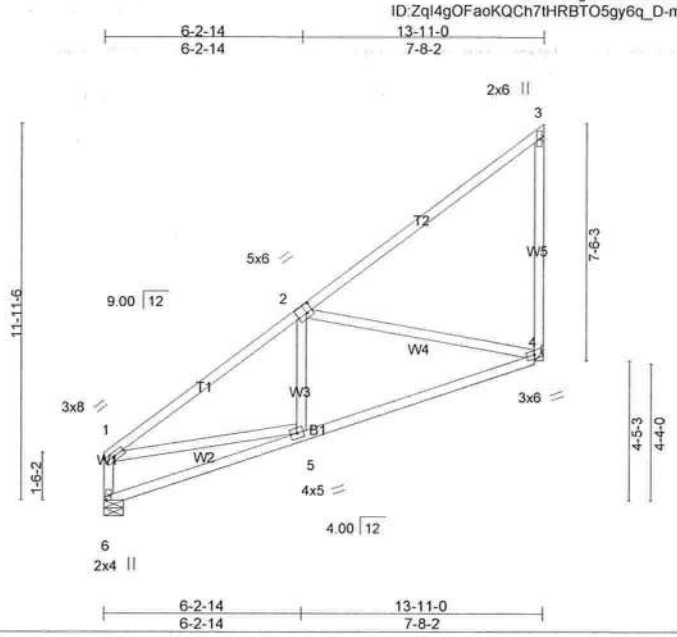


Plate Offsets (X,Y): [2:0-2-4,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.08	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.21	4-5	>782	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.02	5	>999	240	Weight: 85 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

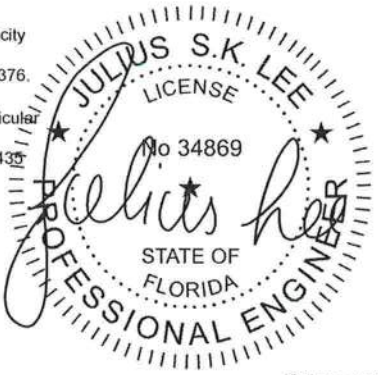
REACTIONS (lb/size) 6=545/0-7-8, 4=545/Mechanical
Max Horz 6=413(LC 6)
Max Uplift 4=-376(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-790/218, 1-6=-515/229
BOT CHORD 5-6=-661/94, 4-5=-683/616
WEBS 2-4=-557/634, 1-5=-16/507

NOTES (9-11)

1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=376.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



February 23,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T19	SPECIAL	2	2	I5280096

Builders FirstSource, Jacksonville, Fl 32244

Job Reference (optional)

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:16 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-mDatKlzBvwspBRft_F7bEaV_HieNjapJAxBd_7ziKC5

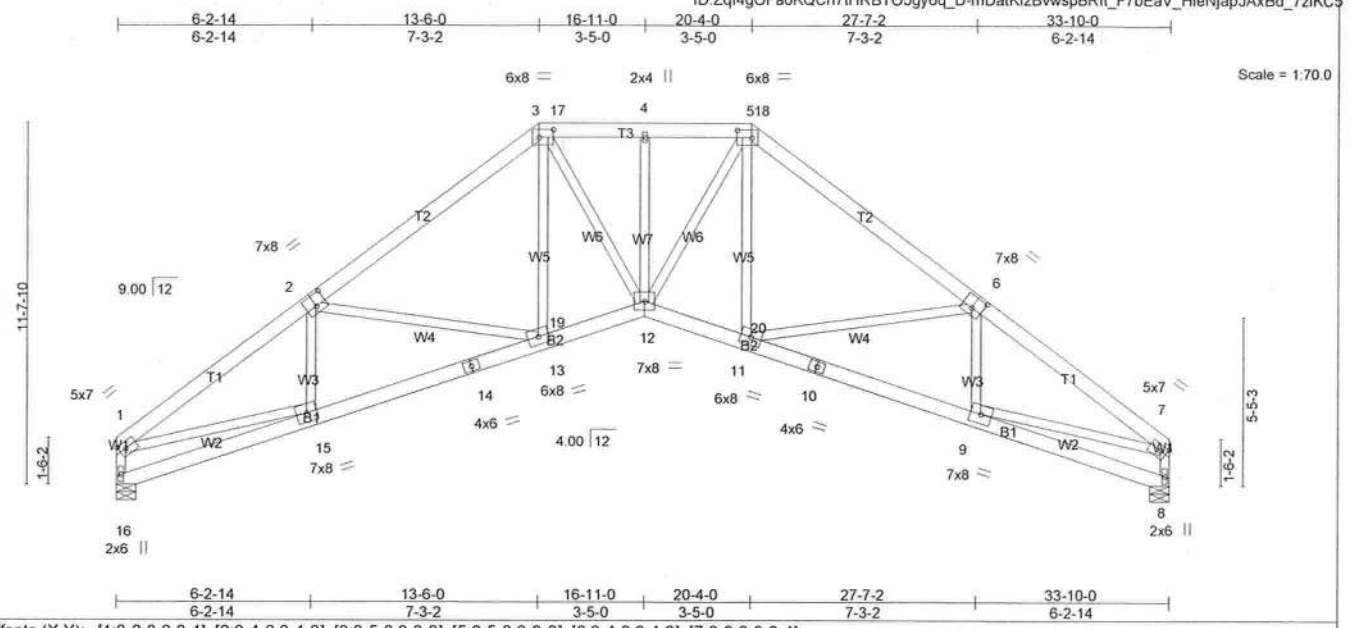


Plate Offsets (X,Y): [1:0-2-8,0-2-4], [2:0-4-0,0-4-8], [3:0-5-8,0-3-0], [5:0-5-8,0-3-0], [6:0-4-0,0-4-8], [7:0-2-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.17	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.42	12-13	>954	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.37	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.19	12-13	>999	240	Weight: 554 lb	FT = 20%

LUMBER

TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-6-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-9 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 9-7-3 oc bracing.

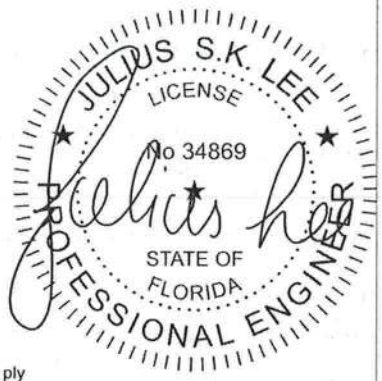
REACTIONS (lb/size) 16=4060/0-7-8, 8=4060/0-7-8
Max Horz 16=351(LC 4)
Max Uplift 16=-1417(LC 5), 8=-1417(LC 6)

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

TOP CHORD 1-2=-7755/2939, 2-3=-8844/3479, 3-17=-8838/3548, 4-17=-8836/3547, 4-18=-8836/3547, 5-18=-8838/3547, 5-6=-8845/3372, 6-7=-7755/2709, 1-16=-4043/1550, 7-8=-4043/1445

BOT CHORD 15-16=-492/343, 14-15=-2777/6442, 13-14=-2764/6484, 13-19=-2789/6796, 12-19=-3126/7582, 12-20=-2945/7583, 11-20=-2608/6796, 10-11=-2200/6484, 9-10=-2213/6442, 8-9=-127/343

WEBS 2-15=-1190/548, 2-13=-625/1086, 3-13=-693/1559, 3-12=-1446/3613, 5-12=-1656/3612, 5-11=-700/1559, 6-11=-672/1086, 6-9=-1190/506, 1-15=-2164/5827, 7-9=-1980/5827



NOTES (15-16)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 6 - 2 rows at 0-6-0 oc.
   Webs connected as follows: 2 X 4 - 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 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); 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) All bearings are assumed to be SYP No.2 .
9) Bearing at joint(s) 16, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=1417, 8=1417.
11) Girder carries tie-in span(s): 3-0-0 from 14-0-8 to 19-9-8
12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
13) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

Continued on page 2

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T17	SPECIAL	2	1	I5280094

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:14 2012 Page 1

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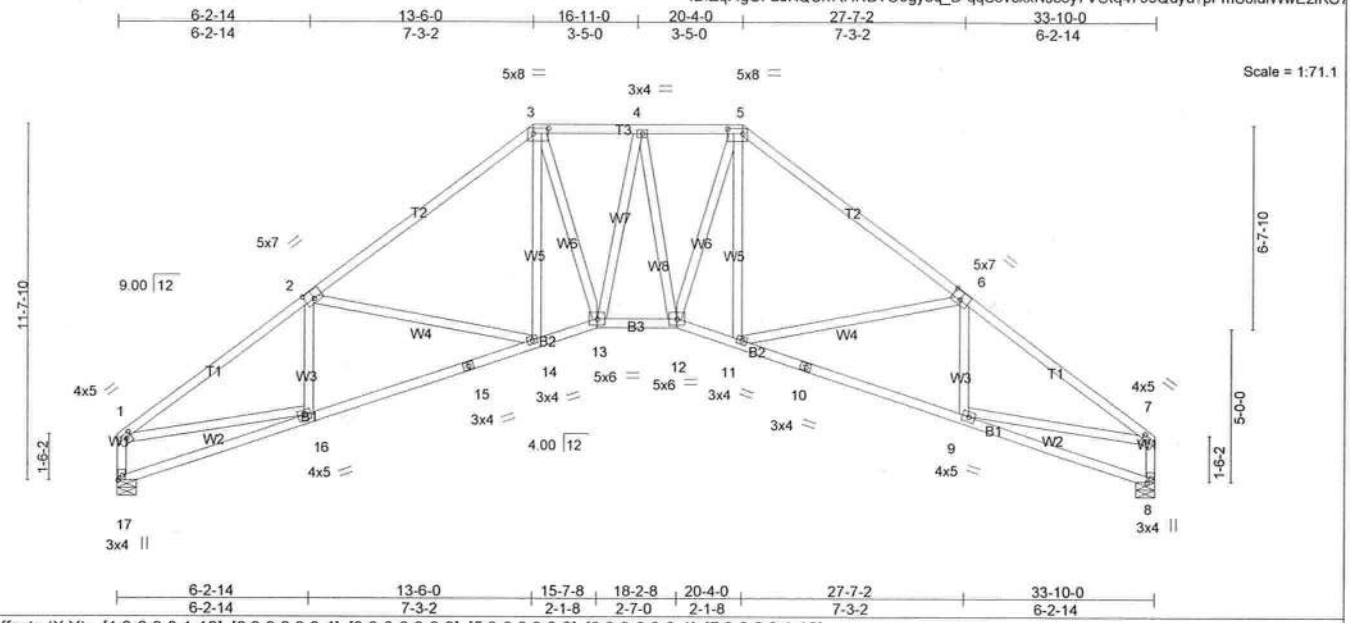


Plate Offsets (X,Y): [1:0-2-0,0-1-12], [2:0-3-8,0-3-4], [3:0-6-0,0-2-0], [5:0-6-0,0-2-0], [6:0-3-8,0-3-4], [7:0-2-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.11	13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.32	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.26	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.14	13	>999	240	Weight: 225 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins, except end verticals, and 2-0-0 oc purlins (4-7-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 6-9-13 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 17=1342/0-7-8, 8=1342/0-7-8
Max Horz 17=351(LC 5)
Max Uplift 17=-317(LC 6), 8=-317(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2298/1159, 2-3=-2095/1072, 3-4=-1759/1040, 4-5=-1762/1041, 5-6=-2095/1072, 6-7=-2298/1159, 1-17=-1312/725, 7-8=-1312/725
BOT CHORD 16-17=-404/387, 15-16=-865/1862, 14-15=-855/1886, 13-14=-524/1639, 12-13=-497/1773, 11-12=-458/1641, 10-11=-855/1886, 9-10=-865/1862
WEBS 2-16=-261/229, 2-14=-254/394, 3-14=-173/347, 3-13=-185/642, 5-12=-360/649, 5-11=-171/343, 6-11=-254/394, 6-9=-261/229, 1-16=-753/1692, 7-9=-753/1692

NOTES (11-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 17, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=317, 8=317.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T15	SPECIAL	2	1	I5280092
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:13 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-MevkhHwIc?UEKzwIJ7ZucytU8Ug6WJRsUzyyNoziKC8

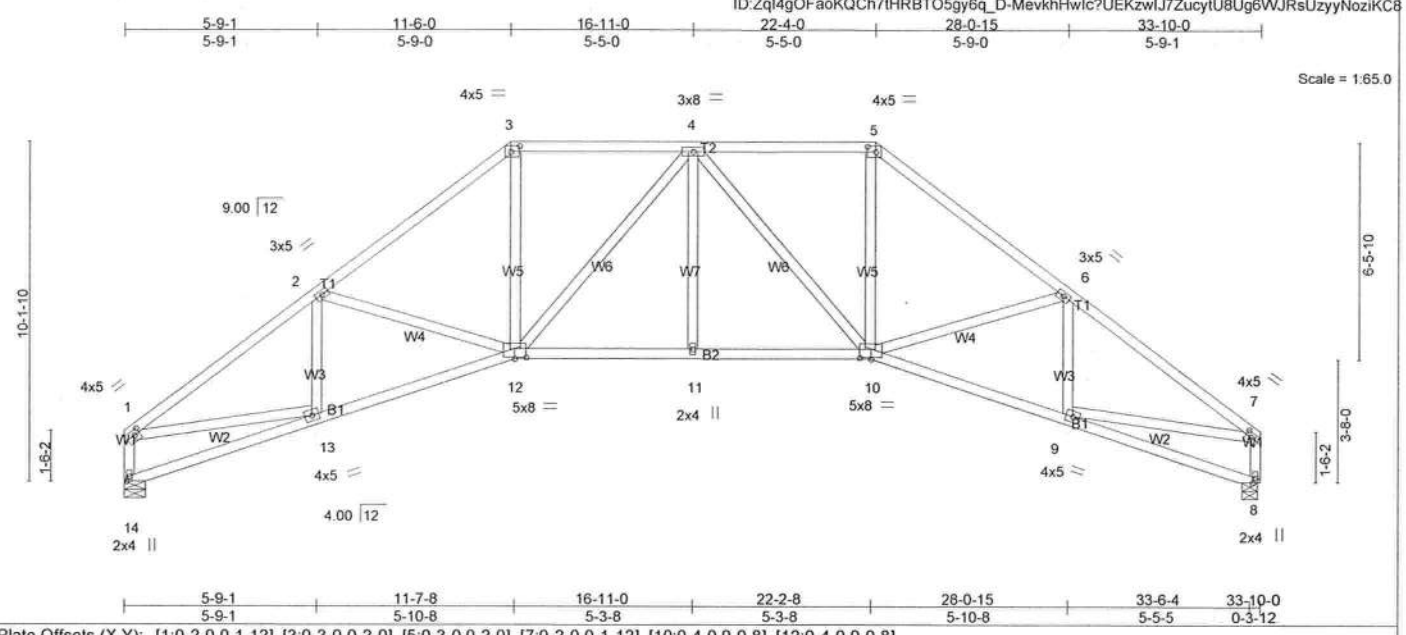


Plate Offsets (X,Y): [1:0-2-0,0-1-12], [3:0-3-0,0-2-0], [5:0-3-0,0-2-0], [7:0-2-0,0-1-12], [10:0-4-0,0-0-8], [12:0-4-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.11	11	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.29	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.25	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.15	11	>999	240	Weight: 209 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

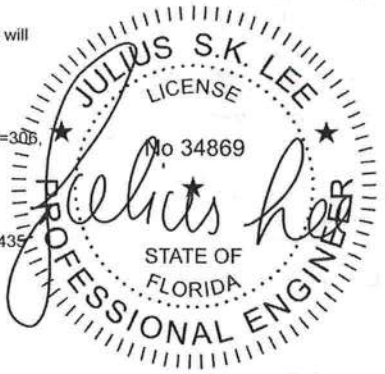
REACTIONS (lb/size) 14=1342/0-7-8, 8=1342/0-5-8
Max Horz 14=-298(LC 4)
Max Uplift 14=-306(LC 6), 8=-306(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2238/1147, 2-3=-2168/1165, 3-4=-1660/1033, 4-5=-1660/1033, 5-6=-2168/1165, 6-7=-2238/1147, 1-14=-1314/733, 7-8=-1314/733
BOT CHORD 13-14=-350/329, 12-13=-856/1828, 11-12=-671/1856, 10-11=-671/1856, 9-10=-856/1828
WEBS 2-13=-300/236, 2-12=-139/262, 3-12=-444/928, 4-12=-414/298, 4-10=-414/296, 5-10=-444/928, 6-10=-176/262, 6-9=-300/236, 1-13=-745/1643, 7-9=-745/1643

NOTES (10-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 14, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=306, 8=306.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T13	SPECIAL	2	1	I5280090

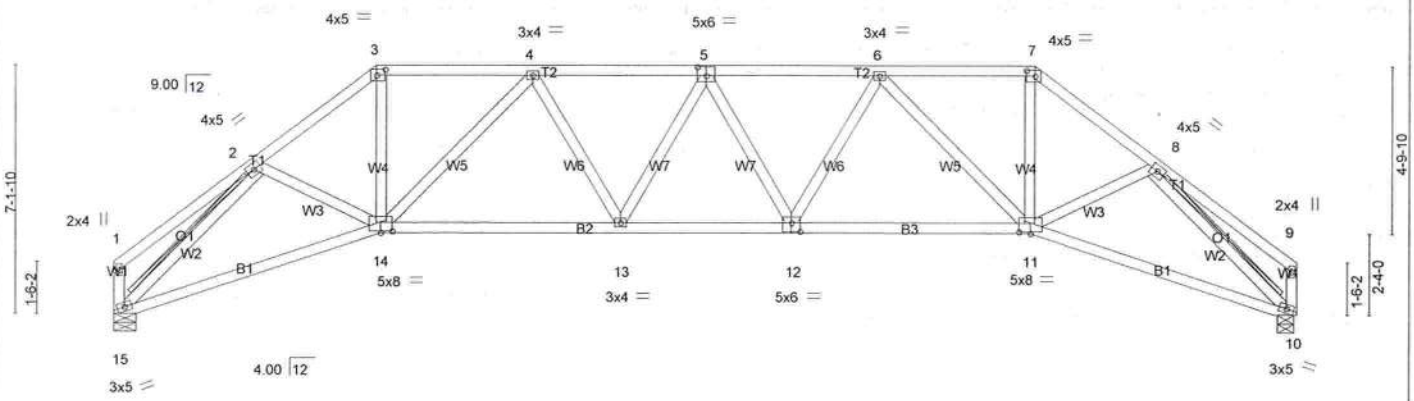
Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:11 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-QFn_Gbv24OEW5gmvCiXQXXo8yhzE2PLZ0fTsJvziKCA

4-1-6	7-6-0	11-11-5	16-11-0	21-10-11	26-4-0	29-8-9	33-10-0
4-1-6	3-4-10	4-5-5	4-11-11	4-11-11	4-5-5	3-4-10	4-1-6

Scale = 1:62.5



7-7-8	14-5-10	19-4-6	26-2-8	33-6-4	33-10-0
7-7-8	6-10-2	4-10-11	6-10-2	7-3-12	0-3-12

Plate Offsets (X,Y): [3:0-3-0,0-2-0], [5:0-3-0,0-3-0], [7:0-3-0,0-2-0], [11:0-4-0,0-0-8], [12:0-3-0,0-3-0], [14:0-4-0,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.14	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.38	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.29	10	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.20	12-13	>999	240	Weight: 199 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-5 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-15, 8-10
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 15=1342/0-7-8, 10=1342/0-5-8
Max Horz 15=-194(LC 4)
Max Uplift 15=-399(LC 5), 10=-399(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2223/1244, 3-4=-1754/1069, 4-5=-2437/1446, 5-6=-2437/1446, 6-7=-1754/1069, 7-8=-2223/1244
BOT CHORD 14-15=-821/1584, 13-14=-1090/2286, 12-13=-1211/2519, 11-12=-1090/2286, 10-11=-821/1584
WEBS 2-14=-146/343, 3-14=-565/1068, 4-14=-820/470, 4-13=-130/344, 6-12=-130/344, 6-11=-820/470, 7-11=-565/1068, 8-11=-174/343, 2-15=-2088/1118, 8-10=-2088/1118

NOTES (11-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 15, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=399, 10=399.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T12A	SPECIAL	1	1	I5280089
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:10 2012 Page 1

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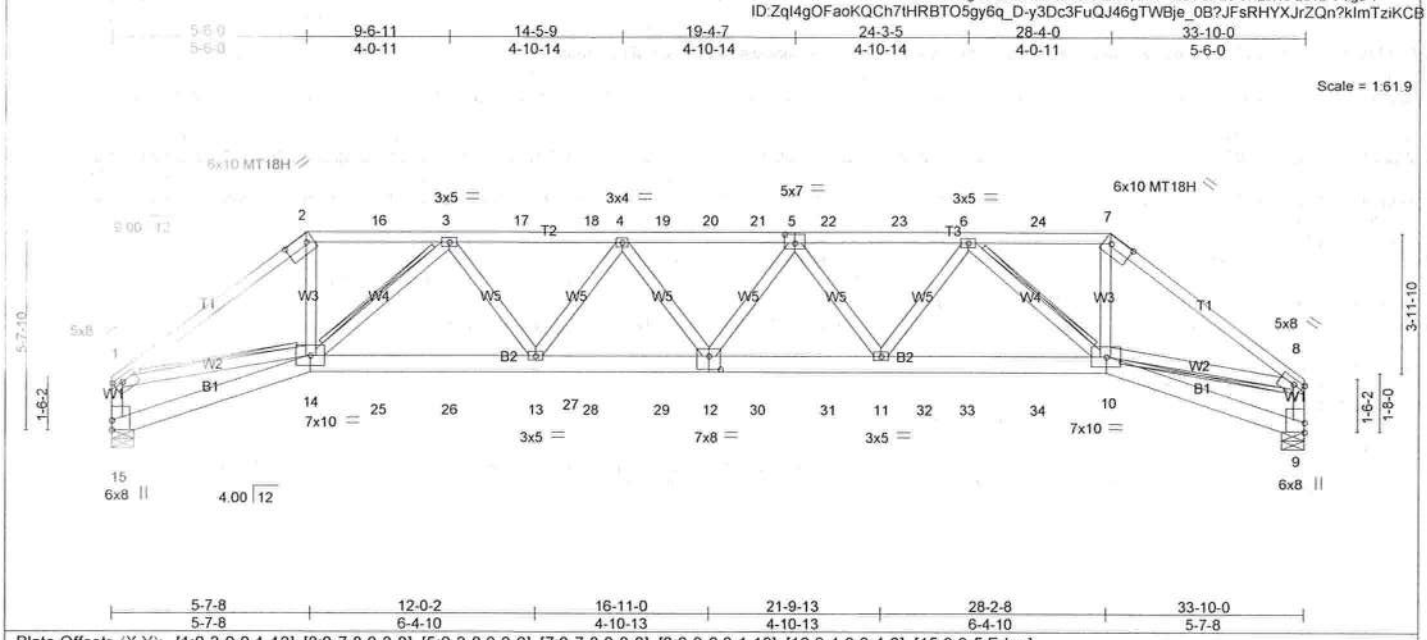

Plate Offsets (X,Y): [1:0-3-0,0-1-12], [2:0-7-8,0-2-8], [5:0-3-8,0-3-0], [7:0-7-8,0-2-8], [8:0-3-0,0-1-12], [12:0-4-0,0-4-8], [15:0-3-5,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.89	Vert(LL)	-0.30	12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.75	12	>538	240	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.41	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.57	12	>708	240	Weight: 215 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-8-9 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-14, 6-10, 1-14, 8-10
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 15=2344/0-7-8, 9=2344/0-7-8
Max Horz 15=141(LC 4)
Max Uplift 15=-1718(LC 4), 9=-1722(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4103/3212, 2-16=-3246/2658, 3-16=-3245/2658, 3-17=-5380/4144, 17-18=-5380/4144, 4-18=-5380/4144, 4-19=-5886/4493, 19-20=-5886/4493, 20-21=-5886/4493, 5-21=-5886/4493, 5-22=-5380/4087, 22-23=-5380/4087, 6-23=-5380/4087, 6-24=-3245/2593, 7-24=-3246/2593, 7-8=-4103/3133, 1-15=-2317/1792, 8-9=-2317/1749
BOT CHORD 14-25=-3753/4768, 25-26=-3753/4768, 26-27=-3753/4768, 13-27=-3753/4768, 13-28=-4494/5831, 28-29=-4494/5831, 12-29=-4494/5831, 12-30=-4463/5831, 30-31=-4463/5831, 11-31=-4463/5831, 11-32=-3670/4768, 32-33=-3670/4768, 33-34=-3670/4768, 10-34=-3670/4768
WEBS 2-14=-1514/1929, 3-14=-2098/1573, 3-13=-761/1102, 4-13=-818/671, 5-11=-810/658, 6-11=-749/1095, 6-10=-2088/1558, 7-10=-1514/1927, 1-14=-2402/3067, 8-10=-2457/3067

NOTES (14-15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SYP No.2 .
8) Bearing at joint(s) 15, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=1718, 9=1722.

Continued on page 2

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	I5280088
400358	T12	SPECIAL	1	1	Job Reference (optional)	

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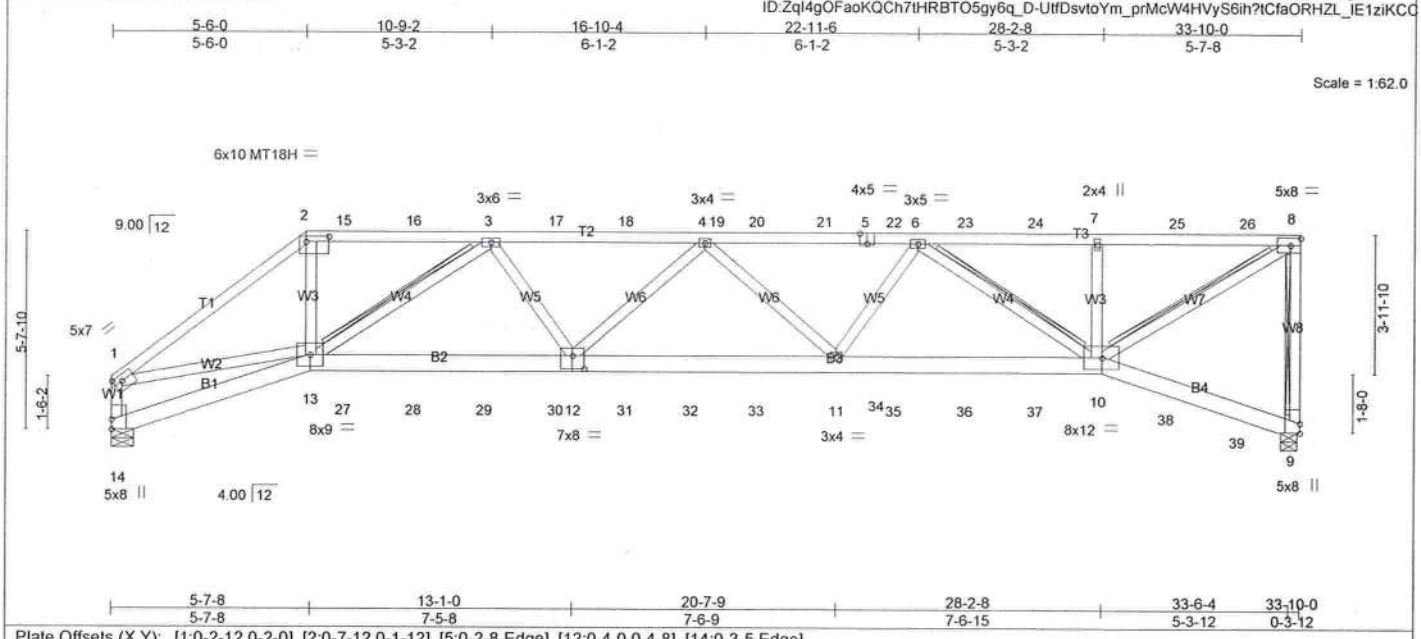

5-7-8	13-1-0	20-7-9	28-2-8	33-6-4	33-10-0
5-7-8	7-5-8	7-6-9	7-6-15	5-3-12	0-3-12

Plate Offsets (X,Y): [1:0-2-12,0-2-0], [2:0-7-12,0-1-12], [5:0-2-8,Edge], [12:0-4-0,0-4-8], [14:0-3-5,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.87	Vert(LL)	-0.28	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.73	11-12	>554	240	MT18H	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.38	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.50	11-12	>811	240	Weight: 214 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-0-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-11-13 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 8-9, 3-13, 6-10, 8-10
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 9=2306/0-5-8, 14=2121/0-7-8
Max Horz 14=163(LC 5)
Max Uplift 9=-1629(LC 3), 14=-1239(LC 4)

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

TOP CHORD 1-2=-3701/2340, 2-15=-2924/1946, 15-16=-2923/1946, 3-16=-2922/1946, 3-17=-5247/3546, 17-18=-5247/3546, 18-19=-5247/3546, 4-19=-5247/3546, 4-20=-5302/3633, 20-21=-5302/3633, 5-21=-5302/3633, 5-22=-5302/3633, 6-22=-5302/3633, 6-23=-3176/2226, 23-24=-3176/2226, 7-24=-3176/2226, 7-25=-3176/2226, 25-26=-3176/2226, 8-26=-3176/2226, 8-9=-2173/1530, 1-14=-2096/1304

BOT CHORD 13-14=-262/148, 13-27=-3287/4816, 27-28=-3287/4816, 28-29=-3287/4816, 29-30=-3287/4816, 12-30=-3287/4816, 12-31=-3885/5640, 31-32=-3885/5640, 32-33=-3885/5640, 33-34=-3885/5640, 11-34=-3885/5640, 11-35=-3427/4914, 35-36=-3427/4914, 36-37=-3427/4914, 10-37=-3427/4914

WEBS 2-13=-1163/1755, 3-13=-2305/1753, 3-12=-518/862, 4-12=-543/499, 4-11=-467/373, 6-11=-398/797, 6-10=-2125/1469, 7-10=-498/409, 8-10=-2625/3747, 1-13=-1779/2762

NOTES (13-14)

1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Bearing at joint(s) 9, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=1629, 14=1239.

Continued on page 2

JULIUS S.K LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T10	HIP	1	1	I5280086

Job Reference (optional)

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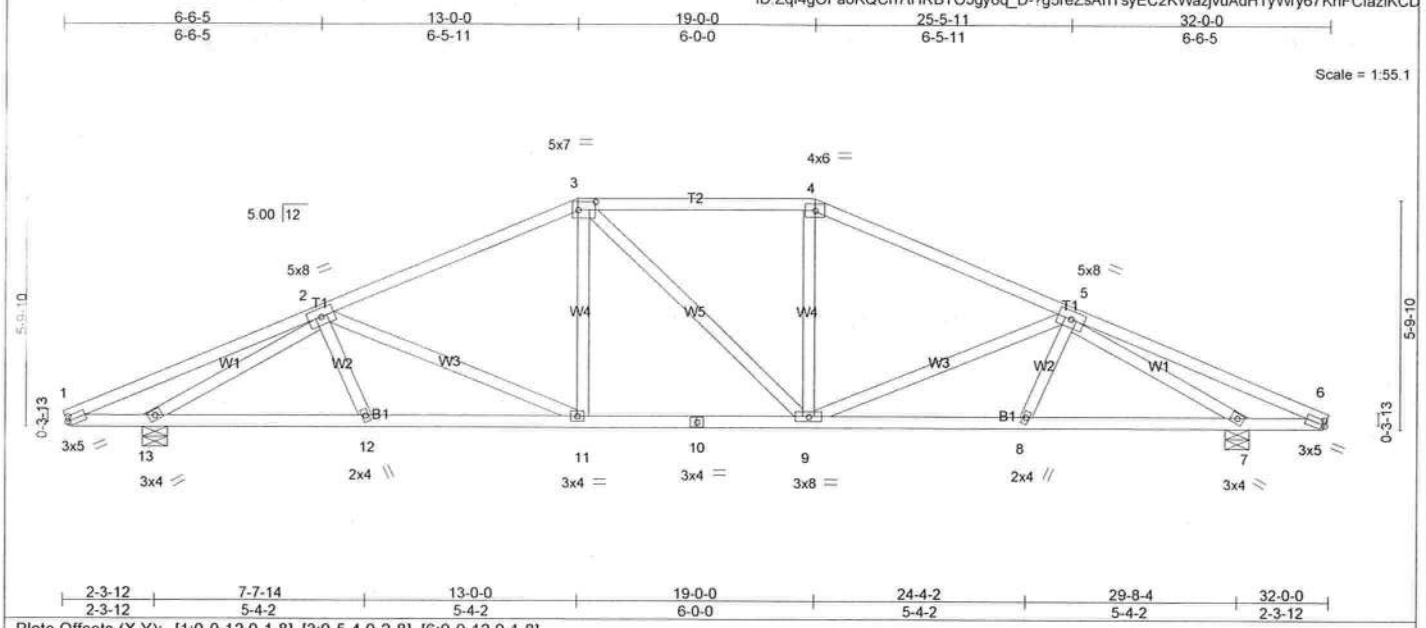

Plate Offsets (X,Y): [1:0-0-12,0-1-8], [3:0-5-4,0-2-8], [6:0-0-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.07	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.17	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.07	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.11	8-9	>999	240	Weight: 168 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 13=1271/0-7-8, 7=1271/0-7-8
Max Horz 13=-82(LC 7)
Max Uplift 13=-393(LC 6), 7=-393(LC 7)

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

TOP CHORD 1-2=-306/273, 2-3=-1544/973, 3-4=-1354/968, 4-5=-1545/973, 5-6=-306/273
BOT CHORD 1-13=-172/348, 12-13=-847/1521, 11-12=-820/1559, 10-11=-615/1354, 9-10=-615/1354, 8-9=-820/1559, 7-8=-847/1521, 6-7=-172/348
WEBS 2-11=-265/224, 3-11=-60/303, 4-9=-60/303, 5-9=-264/224, 2-13=-1994/1412, 5-7=-1994/1412

NOTES (9-10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=393, 7=393.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	
400358	T08	HIP	1	1	Job Reference (optional)	I5280084

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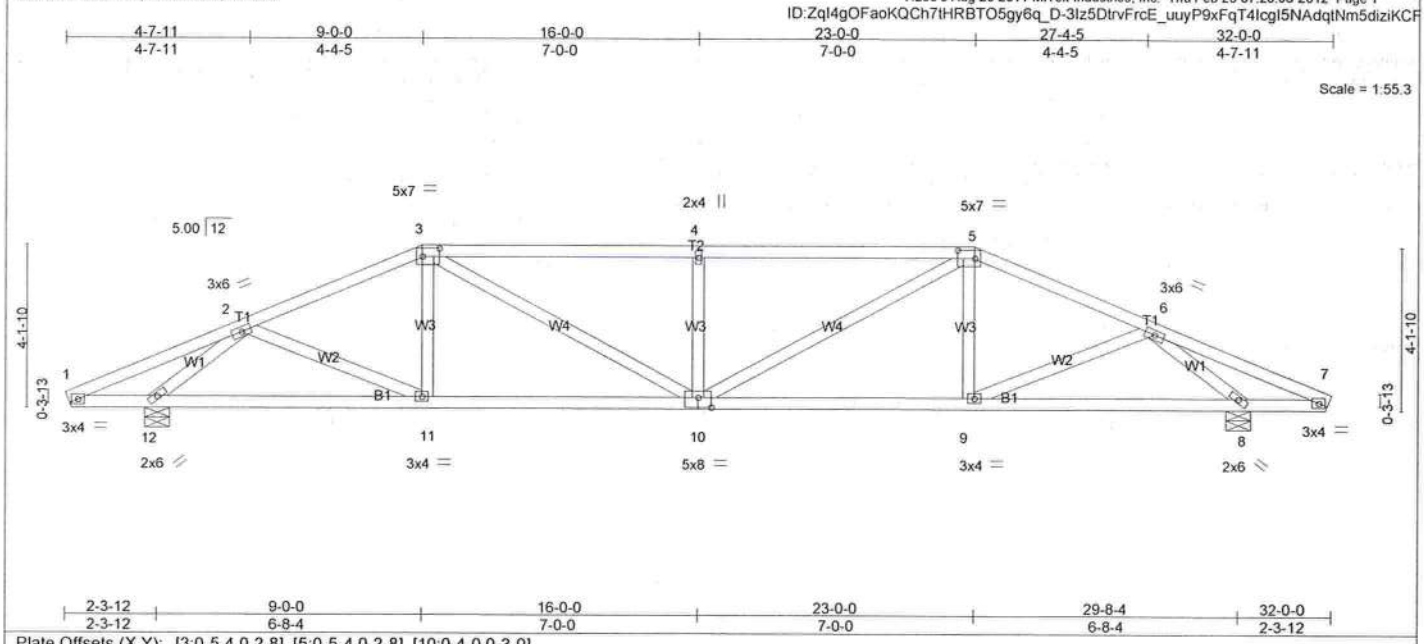

Plate Offsets (X,Y): [3:0-5-4,0-2-8], [5:0-5-4,0-2-8], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.09	10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.23	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(TL)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.13	10	>999	240	Weight: 158 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=1271/0-7-8, 8=1271/0-7-8
Max Horz 12=57(LC 6)
Max Uplift 12=-383(LC 4), 8=-383(LC 5)

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

TOP CHORD 1-2=-323/227, 2-3=-1680/979, 3-4=-2058/1285, 4-5=-2058/1285, 5-6=-1680/979, 6-7=-323/227
BOT CHORD 1-12=-154/343, 11-12=-630/1180, 10-11=-705/1501, 9-10=-705/1501, 8-9=-630/1180, 7-8=-154/343
WEBS 2-11=-84/425, 3-10=-381/704, 4-10=-480/405, 5-10=-381/704, 6-9=-84/425, 2-12=-1735/1265, 6-8=-1735/1265

NOTES (9-10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=383, 8=383.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435.

LOAD CASE(S) Standard

February 23,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	
400358	T07	HIP	1	1	Job Reference (optional)	I5280083

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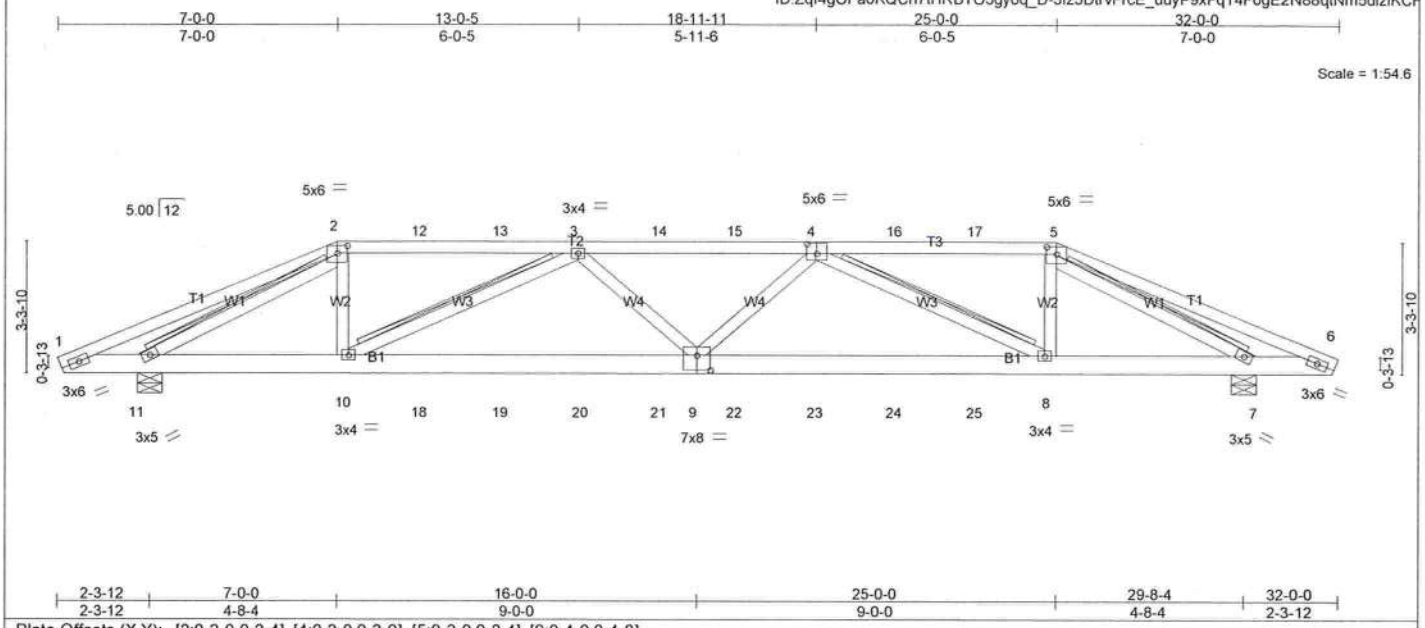


Plate Offsets (X,Y): [2:0-3-0,0-2-4], [4:0-3-0,0-3-0], [5:0-3-0,0-2-4], [9:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.17	9	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.42	9-10	>798	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.22	9	>999	240	Weight: 178 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-3 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 2-11, 3-10, 4-8, 5-7
Fasten (2X) T and I braces to narrow edge of web with 10d (0.131"x3") nails, 6in o.c.,with 3in minimum end distance.
Brace must cover 90% of web length.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 11=1665/0-7-8, 7=1665/0-7-8
Max Horz 11=-44(LC 6)
Max Uplift 11=-838(LC 5), 7=-826(LC 6)

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

TOP CHORD 1-2=-270/139, 2-12=-2289/1237, 12-13=-2289/1237, 3-13=-2289/1237, 3-14=-3755/1915, 14-15=-3755/1915, 4-15=-3755/1915, 4-16=-2289/1248, 16-17=-2289/1248, 5-17=-2289/1248, 5-6=-279/141
BOT CHORD 10-11=-1133/2251, 10-18=-1823/3624, 18-19=-1823/3624, 19-20=-1823/3624, 20-21=-1823/3624, 9-21=-1823/3624, 9-22=-1825/3624, 22-23=-1825/3624, 23-24=-1825/3624, 24-25=-1825/3624, 8-25=-1825/3624, 7-8=-1142/2251
WEBS 2-11=-2472/1262, 2-10=-364/825, 3-10=-1546/762, 3-9=-14/380, 4-9=-15/380, 4-8=-1531/754, 5-8=-359/816, 5-7=-2472/1274

NOTES (12-13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be SYP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=838, 7=826.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T05	COMMON	19	1	I5280081
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:04 2012 Page 2

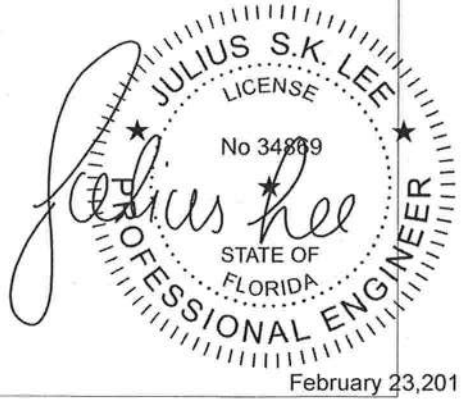
ID:Zql4gOFaoKQCh7tHRBTO5gy6q_D-7vsKoCpfkEMWbkZHkvnI2?xusYMvBVYP3H_ZpziKCH

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 1-9=-20, 9-11=-70(F=-50), 11-12=-110(F=-50), 7-12=-70(F=-50), 5-7=-20



February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400356	T04	POLYNESIAN	1	3	I5280080

Builders FirstSource, Jacksonville, FL 32244 — Job Reference (optional)

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:03 2012 Page 2

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-fjlybso1zwEf7R9Nk0OYCrTngSE3AhgOAPXR1NziKCI

NOTES (12-13)

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 657 lb down and 183 lb up at 1-10-12, 657 lb down and 183 lb up at 3-10-12, 657 lb down and 183 lb up at 5-10-12, 657 lb down and 183 lb up at 7-10-12, 657 lb down and 183 lb up at 9-10-12, 657 lb down and 183 lb up at 11-10-12, 1314 lb down and 367 lb up at 13-10-12, 657 lb down and 183 lb up at 16-1-4, 657 lb down and 183 lb up at 18-1-4, 657 lb down and 183 lb up at 20-1-4, 657 lb down and 183 lb up at 22-1-4, and 657 lb down and 183 lb up at 24-1-4, and 657 lb down and 183 lb up at 26-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-7=-60, 7-9=-60, 10-16=-20

Concentrated Loads (lb)

Vert: 13=-1314(F) 17=-657(F) 18=-657(F) 19=-657(F) 20=-657(F) 21=-657(F) 22=-657(F) 23=-657(F) 24=-657(F) 25=-657(F) 26=-657(F) 27=-657(F) 28=-657(F)

Julius Lee

JULIUS S.K. LEE
LICENSE
No 34869
STATE OF FLORIDA
PROFESSIONAL ENGINEER

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	
400358	T03	COMMON	14	1	Job Reference (optional)	I5280079

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:02 2012 Page 1

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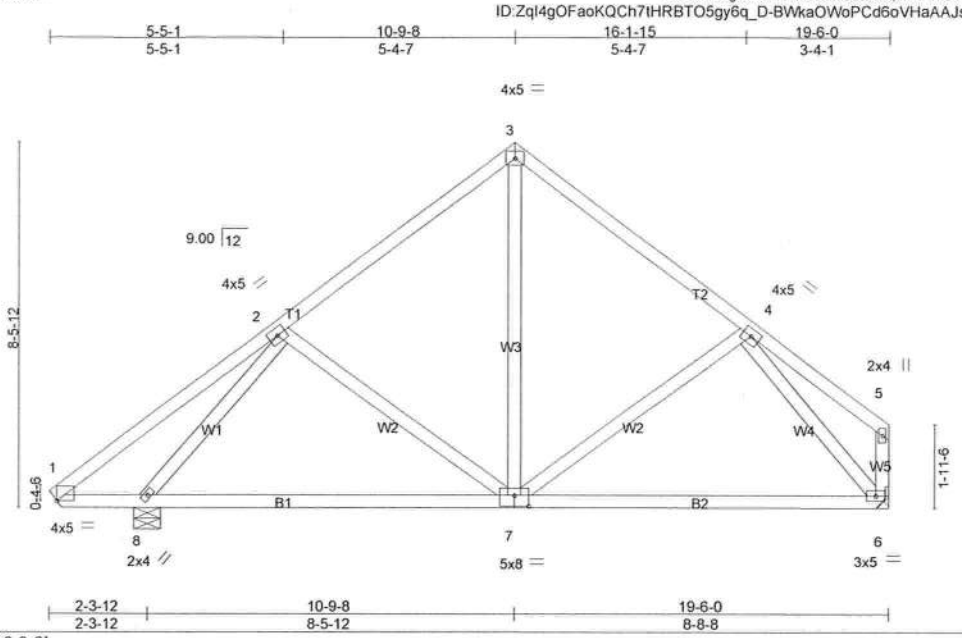

Plate Offsets (X,Y): [7:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.10	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.26	6-7	>788	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.02	6-7	>999	240	Weight: 113 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=857/0-7-8, 6=677/Mechanical
Max Horz 8=282(LC 5)
Max Uplift 8=-283(LC 6), 6=-165(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-582/379, 3-4=-578/373
BOT CHORD 1-8=-86/265, 7-8=-240/431, 6-7=-225/435
WEBS 3-7=-202/351, 2-8=-847/636, 4-6=-651/379

NOTES (9-11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SYP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=283, 6=165.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
11) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T01G	GABLE	2	1	I5280077

Builders FirstSource, Jacksonville, FL 32244 — Job Reference (optional)

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:01 2012 Page 2

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-jKACAAnnRJ_xu7?_ccL47QNOQfboiqx5j52KyUziKCK

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-120(F=-60), 4-7=-120(F=-60), 1-7=-20

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

Julius Lee
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Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	T01	COMMON	2	1	I5280076

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:26:00 2012 Page 1

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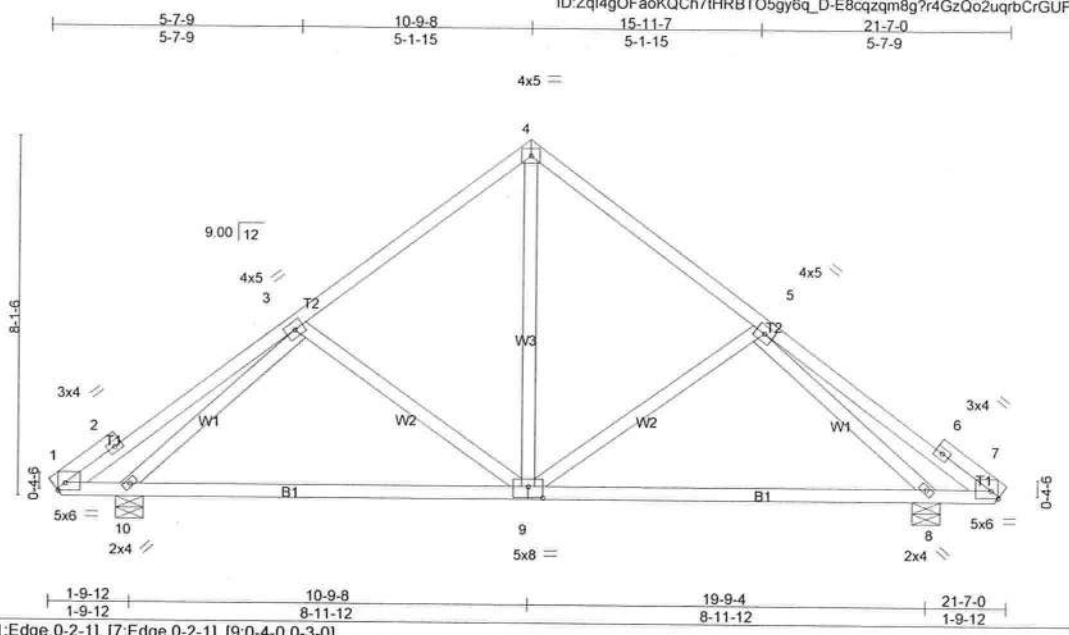

Plate Offsets (X,Y): [1:Edge,0-2-1], [7:Edge,0-2-1], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.09	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.23	9-10	>949	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.03	9	>999	240	Weight: 121 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 10=1168/0-7-8, 8=1168/0-7-8
Max Horz 10=272(LC 5)
Max Uplift 10=-370(LC 6), 8=-370(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-915/516, 4-5=-915/516
BOT CHORD 1-10=-51/257, 9-10=-337/815, 8-9=-337/815, 7-8=-51/257
WEBS 4-9=-314/510, 5-9=-281/325, 3-9=-281/325, 3-10=-1211/837, 5-8=-1211/837

NOTES (9-10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) All bearings are assumed to be SYP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 370 lb uplift at joint 10 and 370 lb uplift at joint 8.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-90(F=-30), 4-7=-90(F=-30), 1-7=-20

February 23,2012

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	PB01	PIGGYBACK	4	1	I5280074
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:59 2012 Page 1

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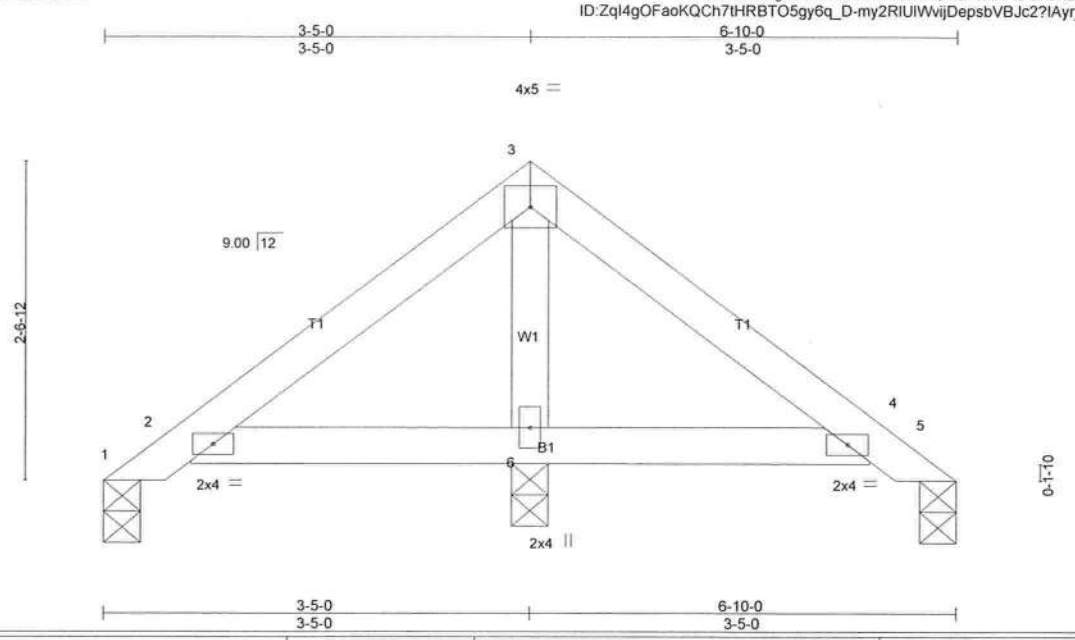

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.01	2	>999	240	Weight: 23 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=32/0-3-8, 5=32/0-3-8, 6=463/0-3-8
Max Horz 1=-86(LC 4)
Max Uplift 1=-7(LC 11), 5=-29(LC 4), 6=-142(LC 6)
Max Grav 1=58(LC 10), 5=58(LC 11), 6=463(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-368/302

NOTES (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) 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) All bearings are assumed to be SYP No.2 .
6) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1, 29 lb uplift at joint 5 and 142 lb uplift at joint 6.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

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Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.	
400358	HJ9A	SPECIAL	2	1		I5280073
					Job Reference (optional)	

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:59 2012 Page 1

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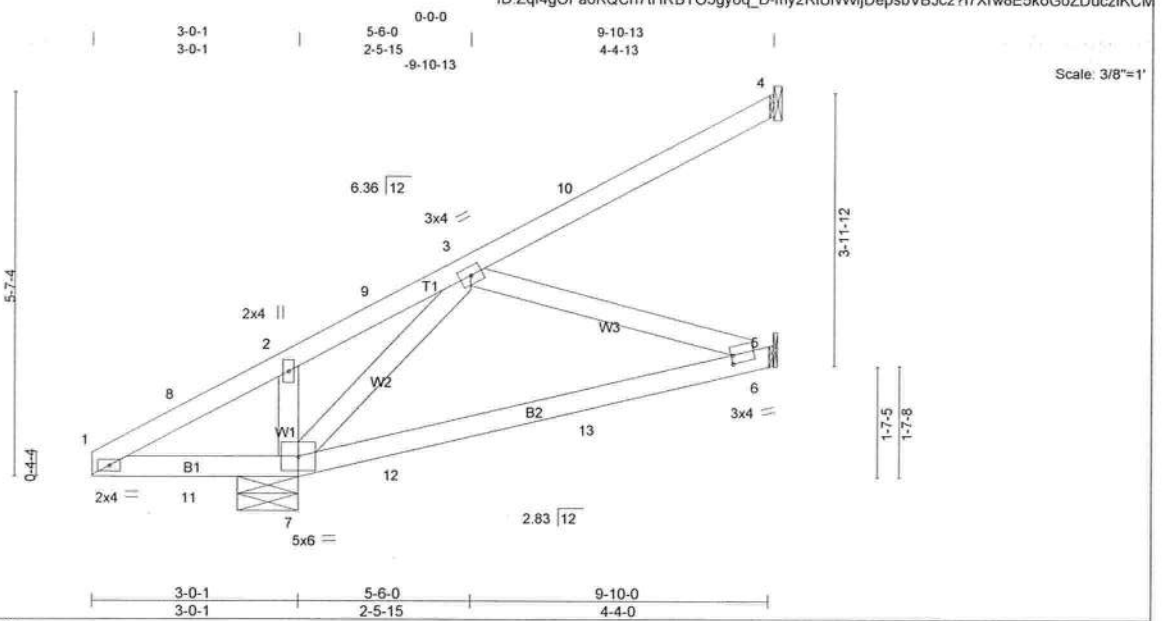

Plate Offsets (X,Y): [6:0-0-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.09	6-7	>960	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.20	6-7	>421	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.15	6-7	>563	240	Weight: 46 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=128/Mechanical, 7=279/0-10-10, 5=99/Mechanical
Max Horz 7=305(LC 5)
Max Uplift 4=-153(LC 5), 7=-456(LC 5), 5=-232(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 7-12=-335/71, 12-13=-331/78, 6-13=-359/86
WEBS 3-7=-300/377, 3-6=-80/356

NOTES (10-11)

1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 4, 456 lb uplift at joint 7 and 232 lb uplift at joint 5.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 7 lb down and 43 lb up at 1-5-12, 7 lb down and 43 lb up at 1-5-12, 105 lb up at 4-3-11, 105 lb up at 4-3-11, and 39 lb down and 135 lb up at 7-1-10, and 12 lb down and 98 lb up at 7-1-10 on top chord, and 24 lb up at 1-5-12, 24 lb up at 1-5-12, 24 lb up at 4-3-11, 24 lb up at 4-3-11, and 26 lb down and 59 lb up at 7-1-10, and 63 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 1-7=-20, 5-7=-20

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Continued on page 2

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	HJ9	MONO TRUSS	2	1	I5280072

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:59 2012 Page 1

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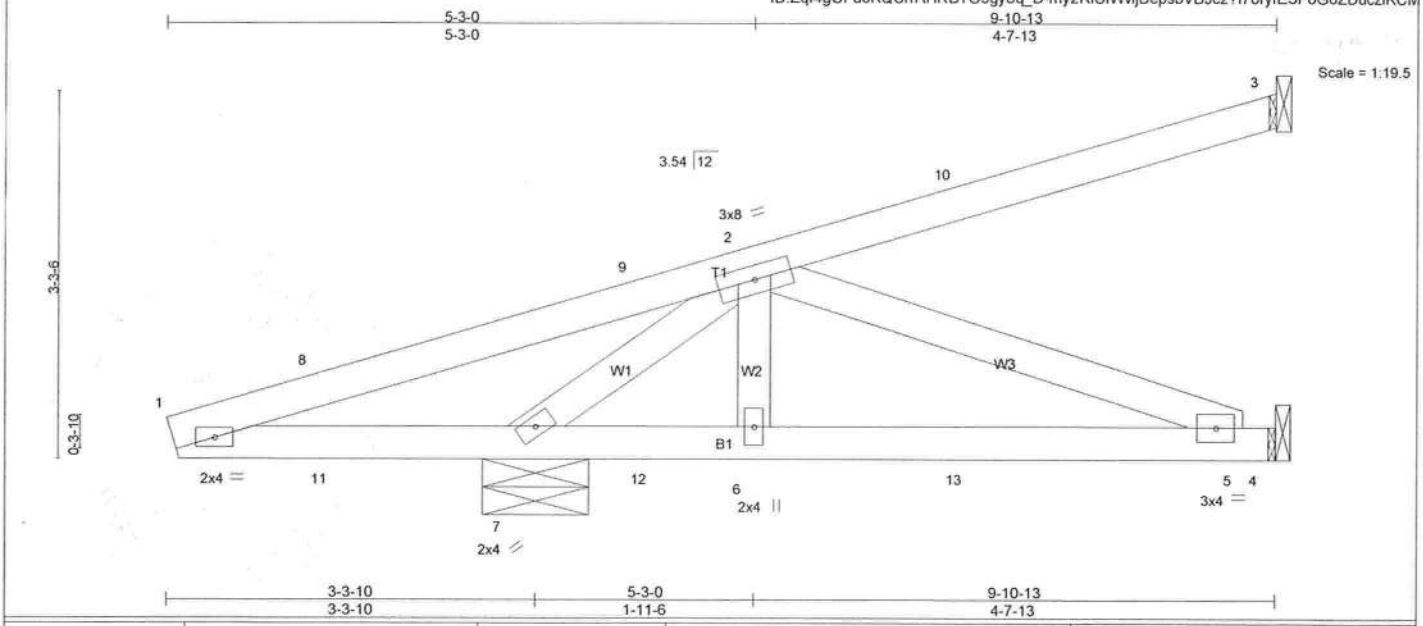


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.02	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.01	5-6	>999	240	Weight: 42 lb	FT = 20%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 4-5.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=109/Mechanical, 4=50/Mechanical, 7=204/0-11-6
Max Horz 7=172(LC 3)
Max Uplift 3=-99(LC 3), 4=-78(LC 3), 7=-402(LC 3)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-332/281, 8-9=-314/314, 2-9=-315/315
BOT CHORD 1-11=-268/343, 7-11=-268/343
WEBS 2-7=-402/500

NOTES (10-11)

1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 3, 78 lb uplift at joint 4 and 402 lb uplift at joint 7.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 20 lb down and 34 lb up at 1-5-12, 20 lb down and 34 lb up at 1-5-12, 28 lb up at 4-3-11, 28 lb up at 4-3-11, and 43 lb up at 7-1-10, and 43 lb up at 7-1-10 on top chord, and 23 lb up at 1-5-12, 23 lb up at 1-5-12, 111 lb up at 4-3-11, 111 lb up at 4-3-11, and 36 lb up at 7-1-10, and 36 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 1-4=-20

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Continued on page 2

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

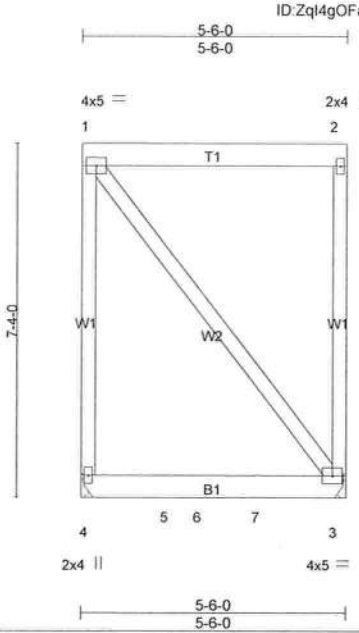
Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	FG1	SPECIAL	2	2	I5280071

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:58 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-IIV3Y8lu8ObN1gHPxToNVnI_DRYqVfyf18qgL9ziKCN



Scale = 1:45.1

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.07	3-4	>924	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.17	3-4	>375	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.09	3-4	>719	240	Weight: 114 lb	FT = 20%

LUMBER

TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 6 SYP SS
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=1640/Mechanical, 3=1588/Mechanical
Max Uplift 4=-719(LC 3), 3=-719(LC 3)

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

NOTES (13-15)

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SYP No.2 .
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 719 lb uplift at joint 4 and 719 lb uplift at joint 3.
10) Girder carries tie-in span(s): 3-0-0 from 0-0-0 to 5-6-0
11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 525 lb down and 382 lb up at 1-9-12, and 525 lb down and 382 lb up at 3-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
15) Use Simpson HHUS26-2 to attach Truss to Carrying member

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-80, 4-6=-360(F=-300), 3-6=-320(F=-300)

Continued on page 2

February 23,2012

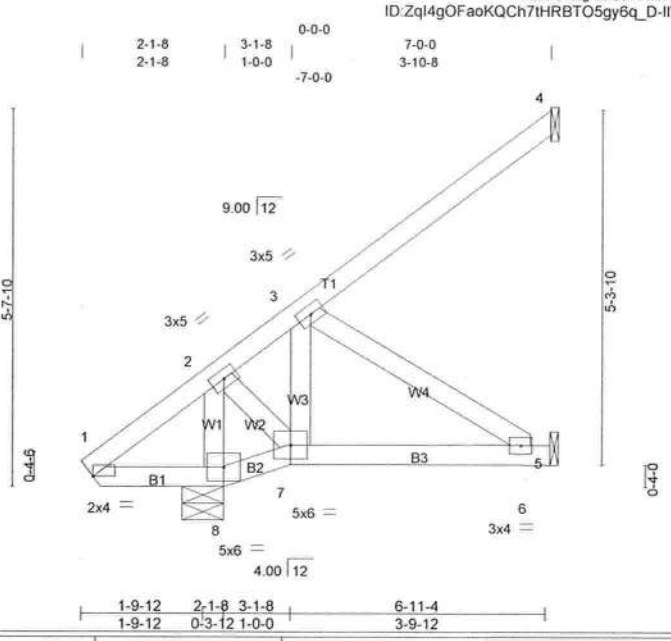
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	EJ5B	SPECIAL	1	1	I5280069

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:58 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-IIV3Y8lu8ObN1gHPxToNVnl_xRdPVeqf18qgL9ziKCN



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.01	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.03	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.01	6-7	>999	240	Weight: 36 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=90/Mechanical, 8=380/0-7-8, 5=71/Mechanical
Max Horz 8=213(LC 6)
Max Uplift 4=-82(LC 6), 8=-82(LC 6), 5=-74(LC 6)
Max Grav 4=90(LC 1), 8=380(LC 1), 5=90(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-315/209

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 4, 82 lb uplift at joint 8 and 74 lb uplift at joint 5.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

JULIUS S.K. LEE LICENSE No 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 23,201

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

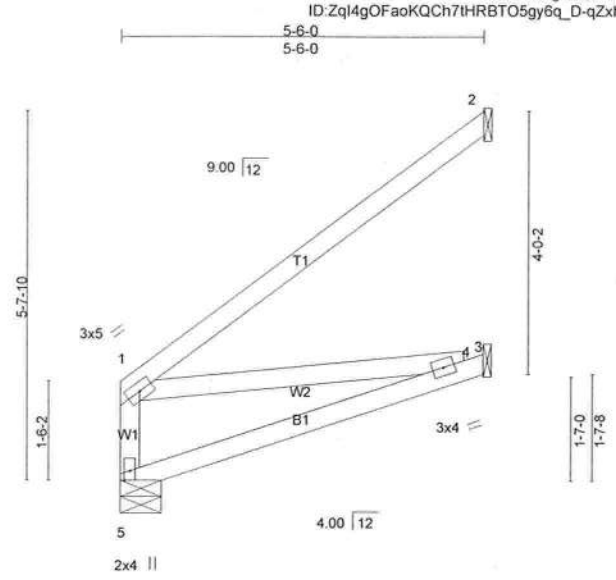
Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	EJ5	SPECIAL	25	1	I5280067

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:57 2012 Page 1

ID:ZqI4gOFaoKQCh7tHRBTO5gy6q_D-qZxhKokGN4TWPWiDNmH8zaDkK1FJmCjWoU46pjziKCO



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.04	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.11	4-5	>585	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	4-5	>999	240	Weight: 28 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

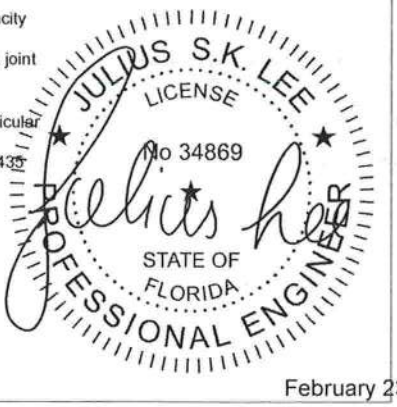
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 5=212/0-7-8, 2=159/Mechanical, 3=53/Mechanical
Max Horz 5=160(LC 6)
Max Uplift 2=-145(LC 6), 3=-28(LC 6)
Max Grav 5=212(LC 1), 2=159(LC 1), 3=106(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 4-5=-270/25
WEBS 1-4=-7/253

NOTES (9-10)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 2 and 28 lb uplift at joint 3.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ5A	SPECIAL	2	1	I5280065
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:56 2012 Page 1

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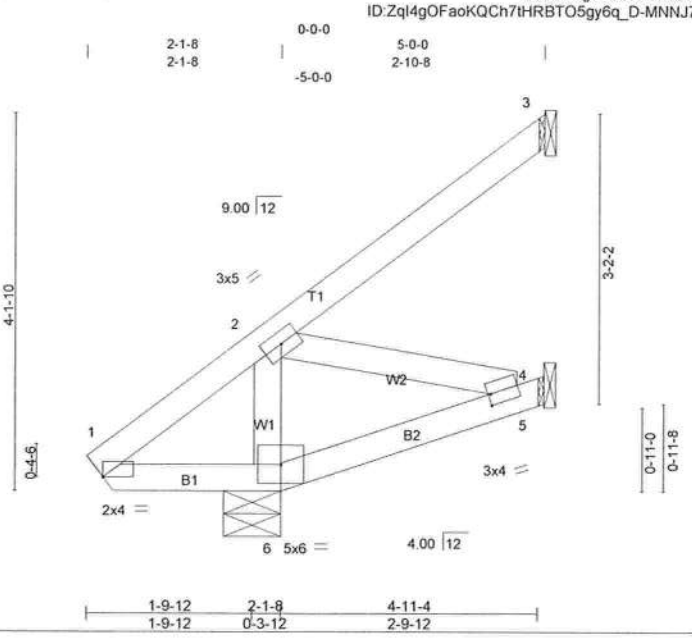


Plate Offsets (X,Y): [5:0-0-5,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.00	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	5	>999	240	Weight: 23 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

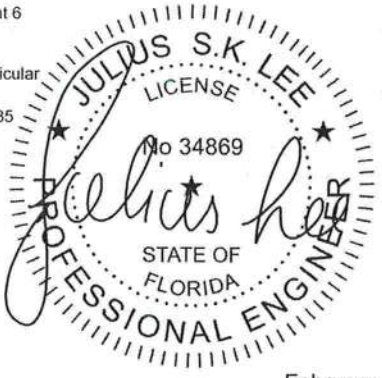
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=72/Mechanical, 6=323/0-7-8, 4=-13/Mechanical
Max Horz 6=218(LC 6)
Max Uplift 3=-99(LC 6), 6=-113(LC 6), 4=-57(LC 6)
Max Grav 3=72(LC 1), 6=323(LC 1), 4=32(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-253/209

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 3, 113 lb uplift at joint 6 and 57 lb uplift at joint 4.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ3A	SPECIAL	4	1	I5280063
					Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:56 2012 Page 1

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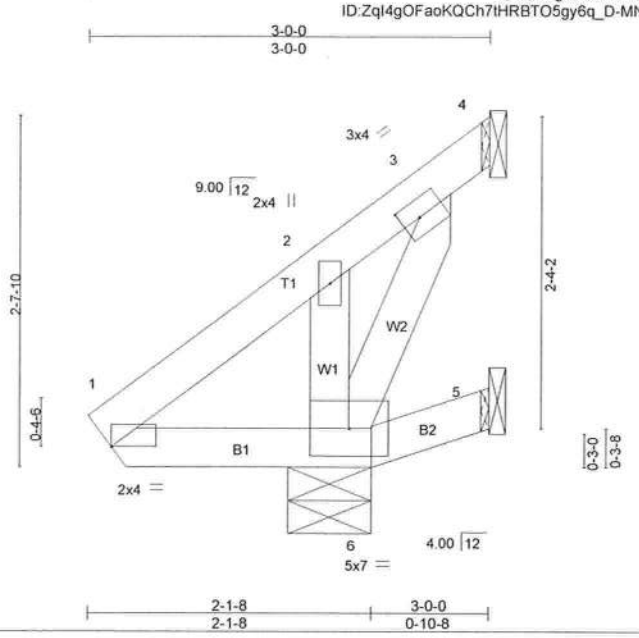


Plate Offsets (X,Y): [3:0-1-10,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	6	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	6	****	240	Weight: 15 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

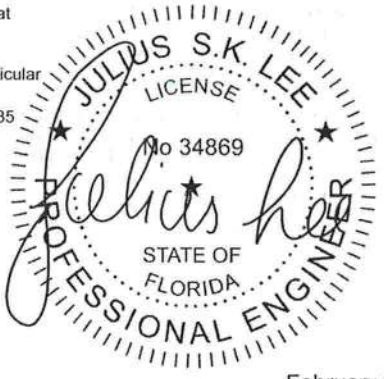
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=-163/Mechanical, 6=376/0-7-8, 5=8/Mechanical
Max Horz 6=131(LC 6)
Max Uplift 4=-163(LC 1), 6=-159(LC 6)
Max Grav 4=63(LC 4), 6=376(LC 1), 5=16(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-320/184

NOTES (8-9)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 4 and 159 lb uplift at joint 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	O'NEIL CONST. - SCHILE RES.
400358	CJ1A	JACK	4	1	I5280061

Job Reference (optional)

Builders FirstSource, Jacksonville, Fl 32244 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 23 07:25:55 2012 Page 1

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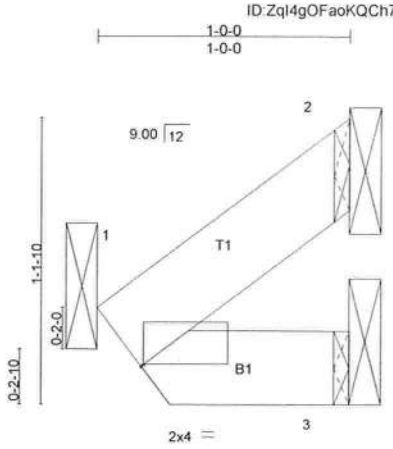


Plate Offsets (X,Y): [1:0-0-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.01	Vert(LL)	-0.00	1	>999	360	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.00	1	****	240	Weight: 3 lb	FT = 20%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=8/Mechanical, 1=32/Mechanical, 2=24/Mechanical
Max Horz 1=46(LC 6)
Max Uplift 2=-43(LC 6)
Max Grav 3=16(LC 2), 1=32(LC 1), 2=24(LC 1)

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

NOTES (9-10)
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) All bearings are assumed to be SYP No.2 .
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 2.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
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.
10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

February 23,201

Julius Lee
1109 Coastal Bay Blvd.
Boynton, FL 33435

RE: 400358 - O'NEIL CONST. - SCHILE RES.

Site Information:

Project Customer: O'NEIL CONST. Project Name: 400358 Model: SCHILE RES.
Lot/Block: Subdivision:
Address: 319 SINGLETON TERRACE
City: COLUMBIA CTY State: FL

No.	Seal#	Truss Name	Date
35	I5280094	T17	2/23/012
36	I5280095	T18	2/23/012
37	I5280096	T19	2/23/012
38	I5280097	T20	2/23/012
39	I5280098	V05	2/23/012
40	I5280099	V06	2/23/012
41	I5280100	V08	2/23/012
42	I5280101	V12	2/23/012
43	I5280102	V13	2/23/012

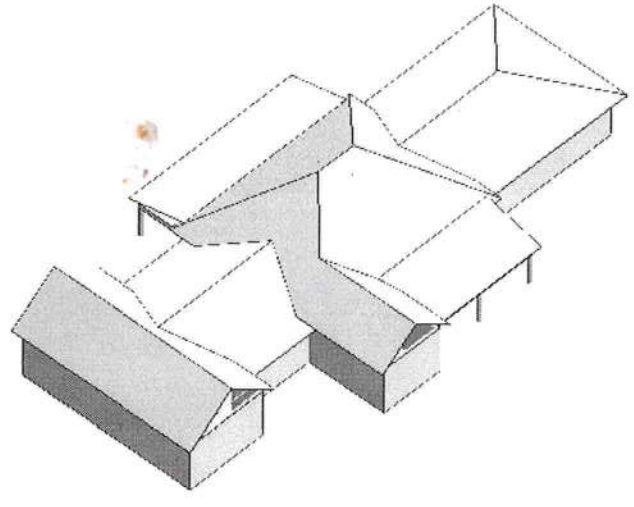
PITCH

CONV. FRAME PORCH ROOF

CONV. FRAME STUDY ROOF

CONV. FRAME PORCH ROOF

CANTILEVER'S VARY
SEE LAYOUT FOR DETAILS



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 V05 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) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved By: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3494

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER:	O'NEIL CONST.
LEGAL ADDRESS:	SCHILE RES.
MODEL: CUSTOM	REVISION:
	SCALE: NTS
DATE: 1-13-12	DRAWN BY: K.L.H.
	JOB #: 400358