

QUOTE # DP210201

DATE PRINTED: 02/08/21

10401 CHAPEL HILL ROAD MORRISVILLE,NC 27560

PHONE: (919) 467-9988 * (800) 672-3129 * FAX: (919) 481-3255

SALESMAN: DAVE PHIPPS

LOT#:

OPTIONS:

CUSTOMER PO #:

DESIGNER: DANNY OTTAWAY

JOB NAME: JAMES MORSE

MODEL:

SUPERINTENDENT: CUSTOMER ORDERED BY:

CUSTOMER TERMS: COD

FAX: JOB NOTES:

PH:

SPECIAL INSTRUCTIONS:

Valued Customer

ROOF TRUSSES

TRUSS COUNT TOTAL:

JAMES MORSE

621 NATCHEZ TRACE

FUQUAY-VARINA,

13

PROFILE	QTY PITCH			TYPE	ID	SPAN	LUMBER		OVERHANG		CANTILEVER		STUB		
	PLY	TOP	BOT	133.54	10	o	TOP	BOT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
	11	7.00	0.00	COMMON	CT1	18-00-00	2 X 4	2 X 4	00-10-08	00-10-08					
	2	7.00	0.00	COMMON	CT1GE	18-00-00	2 X 4	2 X 4	00-10-08	00-10-08					

TRUSS WEIGHT TOTAL: 1.101.57

ROOF SUB-TOTAL:

1,300.00

GENERAL TERMS AND CONDITIONS:

- * Lumber: SYP KD 19% #2 minimum chords #3 minimum webs
- * Price includes hardware for Truss-To-Truss connections only.
- * NO installation included in price.
- * Temporary and Permanent Bracing, which are the reponsibilty of the contractor, are not included.
- * Approved truss drawings are required before fabrication of trusses. The approval of Shop Drawings for fabrication is the final contract document required by Truss Builders, Inc.
- * Upon receipt of approved drawings, a delivery date will be assigned.
- * Sealed drawings will be furnished upon delivery trusses, when requested.
- SUB-TOTAL \$1,300.00 DELIVERY \$85.00 SUB-TOTAL \$1,385.00 SALES TAX 7.250% \$100.41 **GRAND TOTAL** \$1,485,41 DEPOSIT PAID \$321.00

BALANCE DUE \$1,164.41

ADDITIONAL TERMS AND CONDITIONS:

- It is understood that I, the undersigned, have verified the dimensions of these trusses, especially their outer configurations, and the quantities listed,
- I, the undersigned, also understand the format used to describe the trusses listed, or a picture has drawn for me to understand the format.
- I, the undersigned, therefore accept complete responsibility that I am buying these trusses as described on this form.
- It is also understood that Truss Builders, Inc. will deliver the trusses listed F.O. B. (Freight On Board) to the indicated jobsite address at the street nearest the job. I, the customer, have the responsibility of unloading and placing the trusses where I desire.
- If the jobsite does not have equipment available to use to unload the trusses and a request is made by the undersigned, or his agent on site, asking that Truss Builders, Inc. unload/dump them, then Truss Builders, Inc. will do so at the risk and responsibility for any broken trusses and for inappropriate placement passed on to me, the undersigned.

NOTICE TO OWNER: Failure to pay those person supplying material or services Thank you for your business.

to complete this project can result in the filing of a

mechanic's lien of the property.

BACKCHARGE NOTICE: Backcharges will not be accepted, regardless of fault,

without prior notification and approval.

QUOTE # DP210201

By signing this document, the customer is in agreement with all terms and conditions.

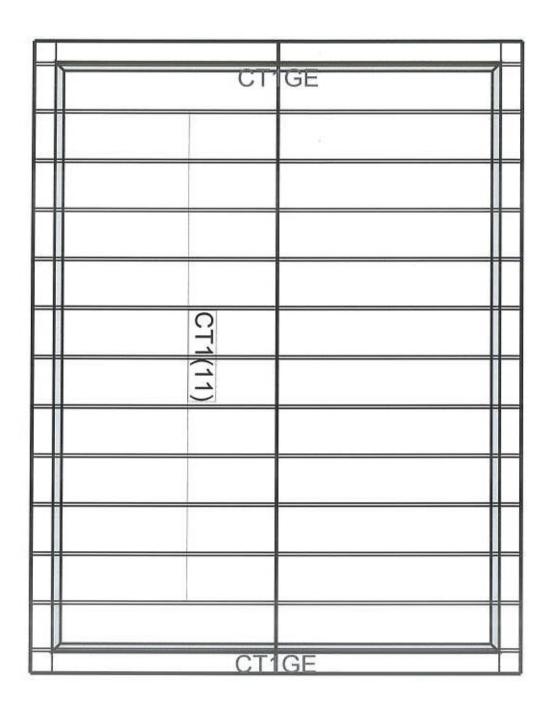
PRICE IS SUBJECT TO REVISION IF ANY ENGINEERING CHANGES ARE REQUIRED.

Truss Builders, Inc. is a Minority Owned Business. (Disabled)

Signature

Date

24-00-00



18-00-00



24-00-00

10401 Chapel Hill Rd Morrisville, NC 27560 Ph. 919-467-9988 Fax. 919-481-3255 DP210201 JAMES MORSE 621 NATCHEZ TRACE FUQUAY-VARINA, NC



Trenco 818 Soundside Rd Edenton, NC 27932

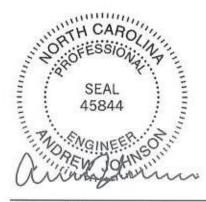
Re: DP210201 JAMES MORSE

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Truss Builders, Inc..

Pages or sheets covered by this seal: 144703494 thru 144703495

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



February 8,2021

Johnson, Andrew

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

Job Truss Truss Type JAMES MORSE Oty Ply 144703494 DP210201 CTI Cammon 11 Job Reference (optional) 8:240 s Mar 9:2020 MiTek Industries, Inc. Mon Feb 8:07:47:21:2021 Page 1 Truss Builders, Inc. Morrisville, NC ID:yCArSVAhqdg?VDslhU0vl0znGik-gpR6hdZZqRLiEOWrdhHES870G9Qado_eJynkHQznGlK 13-3-3 18-10-8, 0-10-8 Scale = 1:36.4 4x6 = 16 7.00 12 2x4 > 2x4 < 5 8 3x8 = 3x6 = 3x6 = 9-0-0 Plate Offsets (X,Y)--[2:0-3-3,0-1-8], [6:0-3-3,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. **Vdefi** L/d PLATES GRIP (loc) TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.37 Vert(LL) -0.11 8-14 >999 240 244/190 MT20 Snow (Pf) 15.0 Lumber DOL 1.15 BC 0.75 Vert(CT) -0.238-14 >944 180 TODL 10.0 Rep Stress Incr YES WB 0.21 Horz(CT) 0.02 n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Matrix-MR Weight: 83 lb FT = 6% 10.0 BCDL LUMBER-BRACING-TOP CHORD

BOT CHORD

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

2x4 SP No.3

(size) 2=0-4-0, 6=0-4-0

Max Horz 2=-111(LC 10)

Max Uplift 2=-29(LC 12), 6=-29(LC 13) Max Grav 2=773(LC 2), 6=773(LC 2)

FORCES, (lb) - Max. Comp./Max. Ten, - All forces 250 (lb) or less except when shown, TOP CHORD 2-3=-1081/55, 3-4=-828/43, 4-5=-828/43, 5-6=-1081/55

BOT CHORD 2-8=-53/908, 6-8=0/908

WEBS 4-8=0/546, 5-8=-312/116, 3-8=-312/115

NOTES-

WEBS REACTIONS.

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

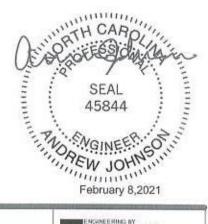
4) Unbalanced snow loads have been considered for this design.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.

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 1-0-0 wide will fit between the bottom chord and any other members.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 ib uplift at joint 2 and 29 lb uplift at jaint 6.



Structural wood sheathing directly applied or 5-2-13 oc purlins.

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

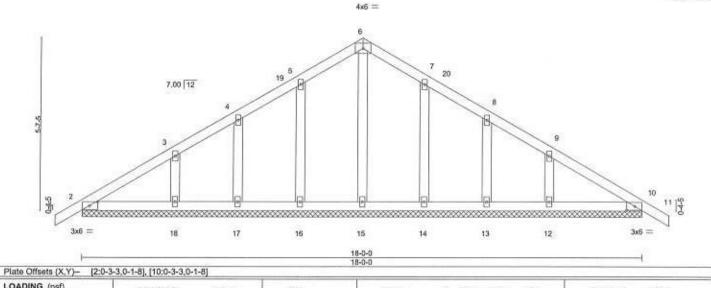
🚵 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MIL-1473 tox, \$19/2029 BEFORE USE. Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a loss system. Before use, the building design into the overall building design, Bracking individual truss with the applicability of design parameters and proporty incorporate this design into the overall building design. Bracking indicated is to prevent buckling of individual truss web another chair members only. Additional temporary and permanent bracking is always required for altablishy and to prevent collapse with possible personal injury and property demaps. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPH Quality Critaria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20001



Edenton, NC 27932

Jab JAMES MORSE Truss Truss Type Oty 144703495 DP210201 CT1GE Common Supported Gable 2 Job Reference (optional) Truss Builders, Inc., Morrisville, NC 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 07:47:22 2021 Page 1 ID:yCArSVAhqdg?VDslhU0vl0znGik-8??UvzaBblTZsX51BPoT?MXFPZxVM8coYcWHpsznGIJ 18-0-0 18-10-8

Scale = 1:34.9



LOADING (psf) SPACING-CSL 2-0-0 DEFL PLATES GRIP in (lac) **Mdefi** 1.78 TCLL (roof) 20.0 Plate Grip DOL TC 0.09 Vert(LL) 0.00 120 244/190 1.15 10 MT20 n/r Snow (Pf) 15.0 Lumber DOL 1.15 BC 0.06 Vert(CT) 0.00 120 11 n/r TCDL 10.0 Rep Stress Incr YES WB 0.06 0.00 Horz(CT) 10 n/a n/a 0.0 * **ECLL** Code IBC2015/TPI2014 Matrix-R Weight: 93 lb FT = 6% BCDL 10.0

LUMBER-

OTHERS

TOP CHORD 2x4 SP No.2 BOT CHORD

2x4 SP No.2 2x4 SP No.3 BRACING-

TOP CHORD BOT CHORD

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

REACTIONS. All bearings 18-0-0.

Max Horz 2=-111(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 18, 14, 13, 12

Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. It; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1,33
- 3) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see Standard Industry
- Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 15.0 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * 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 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10,0psf.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 18, 14, 13, 12,



February 8,2021

MARWING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MTeMB connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer invail verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property demage. For general guidance regarding the fabrication, storage, delivery, eraction and bracing of trusses and truss systems, see ANS/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate institute, 2670 Crain Highway, Suite 203 Wardorf, MD 20601



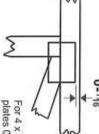
Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



and fully embed teeth Apply plates to both sides of truss Dimensions are in ft-in-sixteenths offsets are indicated. Center plate on joint unless x, y



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

connector plates required direction of slots in This symbol indicates the

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 × 4

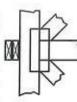
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

LATERAL BRACING LOCATION



if indicated. output. Use T or I bracing by text in the bracing section of the Indicated by symbol shown and/or

BEARING



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

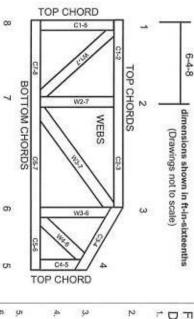
Industry Standards:

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

Connected Wood Trusses

DSB-89:

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I Truss bracing must be designed by an engineer, For bracing should be considered.
- stack materials on inadequately braced trusses. Never exceed the design loading shown and never
- designer, erection supervisor, property owner and all other interested parties. Provide copies of this truss design to the building
- Cut members to bear lightly against each other,
- Place plates on each face of truss at each locations are regulated by ANSI/TPI 1. oint and embed fully. Knots and wane at joint

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Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.

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Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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use with fire retardant, preservative treated, or green lumber, Unless expressly noted, this design is not applicable for

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- 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
- Top chords must be sheathed or purins provided at spacing indicated on design.
- Bottom chords require lateral brading at 10 ft. spacing. or less, if no ceiling is installed, unless otherwise noted
- Connections not shown are the responsibility of others.
- Do not cut or after truss member or plate without prior approval of an engineer.
- 17, Install and load vertically unless indicated otherwise
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient
- Design assumes manufacture in accordance with ANS/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.