

TRUSS BUILDERS INC.

Ph. 919-467-9988 Fax. 919-481-3255 STACEY WALKER RESID. Linden NC



Trenco

818 Soundside Rd Edenton, NC 27932

Re: DO210933 DON GILMORE

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: I48157169 thru I48157194

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

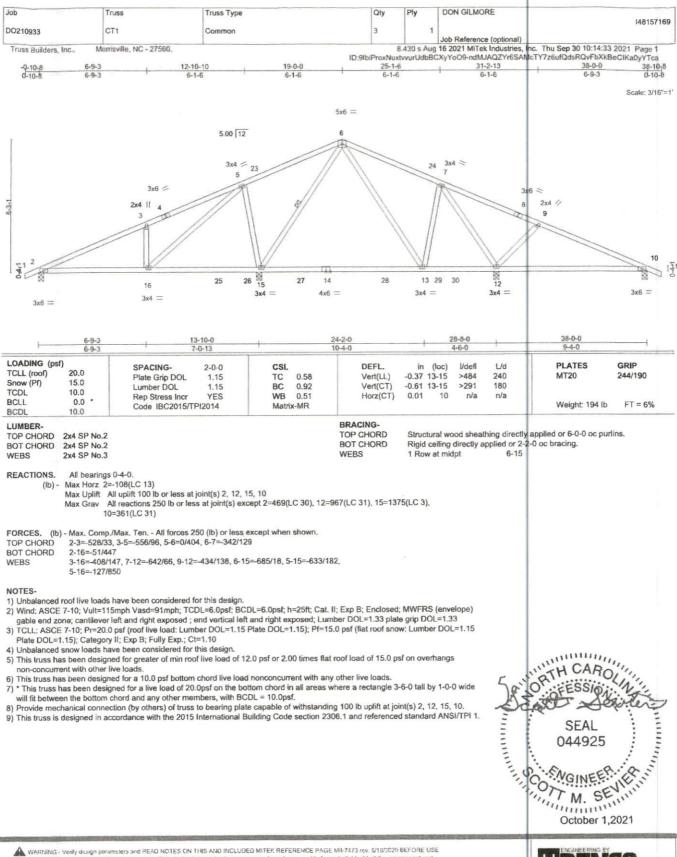
North Carolina COA: C-0844



October 1,2021

Sevier, Scott

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.



ARTHINGS - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER, REFERENCE PAGE MIT-773 rev. 6/19/2020 6EF O'RE USE Design valid for use only with MT6480 connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Parcing indicated is to prevent buckling of individual truss web andfor chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and russ systems, see

ANSITYT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job DON GILMORE Truss Truss Type Ply Qty 148157170 DO210933 CT1GE Common Supported Gable Job Reference (optional) nc. Thu Sep 30 10:14:35 2021 Page 1 Morrisville, NC - 27560 8.430 s Aug 16 2021 MiTek Industries ID:9lbiProxNuxtvvurUdbBCXyYoO9-j?T3b6boNkiubw Truss Builders, Inc. dkFO9MkriHxDmB3WmU5WnRevyYTcY 38-0-0 Scale: 3/16"=1" 5x6 = 11 5.00 12 12 10 13 39 16 3x6 = 3x6 > 17 18 19 3x6 = 31 30 29 27 25 24 22 35 33 26 3x6 = LOADING (psf) DEFL PLATES GRIP SPACING-2-0-0 CSI. in (loc) I/defl L/d TCLL (roof) Plate Grip DOL 1.15 TC 0.26 Vert(LL) 0.01 21 120 MT20 244/190 n/r Snow (Pf) 15.0 Lumber DOL 1.15 BC 0.19 Vert(CT) 0.02 21 n/r 120 TCDI 10.0 Rep Stress Incr YES WR 0.16 Horz(CT) 0.01 20 n/a n/a BCLL 0.0 Weight: 223 lb FT = 6% Code IBC2015/TPI2014 Matrix-R BCDL LUMBER-BRACING-Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. TOP CHORD TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD BOT CHORD 2x4 SP No.3 **OTHERS** REACTIONS. All bearings 38-0-0. (lb) - Max Horz 2=-108(LC 13) Max Uplift All uplift 100 lb or less at joint(s) 2, 31, 32, 33, 34, 35, 36, 37, 28, 27, 26, 25, 24, 23, 22, 20 Max Grav All reactions 250 lb or less at joint(s) 2, 29, 31, 32, 33, 34, 35, 36, 28, 27, 26, 25, 24, 23, 20 except 37=409(LC 30), 22=409(LC 31) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 3-37=-283/101, 19-22=-283/101 NOTES-1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cal. 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) Truss designed for wind loads in the plane of the truss only. For stude 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. OR EESSION N 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, 31, 32, 33, 34, SEAL 35, 36, 37, 28, 27, 26, 25, 24, 23, 22, 20. 044925 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 20. 14) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI O NGINEER M. SEVIN October 1,2021 🛦 WARNING - 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 MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. To general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601

Job Qty Ply DON GILMORE Truss Truss Type 148157171 DO210933 CT1GT Common Girder 3 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, 8.430 s Aug 16 2021 MTek Industries, lbc. Thu Sep 30 10:14:39 2021 Page 1
ID:iC31OGSR74jf1UmnMaZf7HyYoRf-cnjaRUeJRy¢K4XxiUEDIvhtx5r0l78n408leogyYTcU Morrisville, NC - 27560 Truss Builders, Inc., 32-9-11 28-8-0 5-2-0 Scale: 3/16"=1" 5x6 = 5.00 12 4x6 = 4x6 > 7 4x6 < 4x6 = 3x6 = 3x6 < 3x5 = 9 10 0-4-1 9 14 13 35 36 37 SS 18 19 29 15 34 27 28 30 31 17 32 33 12 20 16 14 7x8 = 4x8 = 8x10 = 7x8 = 7x8 = 4x8 = 10x10 = 8x10 = 3x8 || 3x8 || 7x8 = 32.9 13-10-0 4-6-0 [1:0.1-2,0-0-2], [2:0.2-0,0-1-8], [5:0.2-8,0-2-0], [7:0.2-8,0-2-0], [10:0-2-0,0-1-8], [11:0-1-2,0-0-2], [12:0.5-4,0-1-8], [13:0-3-8,0-4-8], [14:0-3-8,0-6-0], [13:0-3-8,0-4-8], [14:0-3-8,0-4-0], [13:0-3-8,0-4-8], [14:0-3-8,0-4-0], [15:0-3-8,0-4-0], [15:0-3-8,0-4-0], [15:0-3-8,0-4-0], [15:0-3-8,0-4Plate Offsets (X,Y) [16:0-5-0,0-6-0], [18:0-3-8,0-6-0], [19:0-3-8,0-4-8], [20:0-5-4,0-1-8] LOADING (psf) PLATES GRIP I/defl L/d SPACING-2-0-0 CSI DEFL (loc) TCLL (roof) 20.0 244/190 -0.04 14-16 >999 240 MT20 TC Vert(LL) Plate Grip DOL 0.38 1.15 15.0 Snow (Pf) -0.08 20-22 BC >999 180 0.66 Vert(CT) 1.15 Lumber DOL TCDL 10.0 0.73 WB Horz(CT) 0.01 11 n/a n/a Rep Stress Incr BCLL 0.0 Weight: 809 lb FT = 6% Code IBC2015/TPI2014 Matrix-MR BCDL 10.0 **BRACING-**LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing, Except: TOP CHORD 2x4 SP No.2 TOP CHORD 2x8 SP No.2 BOT CHORD BOT CHORD 6-0-0 oc bracing: 16-18,13-14. 2x4 SP No 3 WEBS REACTIONS. All bearings 0-4-0 except (jt=length) 18=0-4-2 (input: 0-4-0), 13=0-4-6 (input: 0-4-0). (lb) - Max Horz 1=103(LC 37) Max Uplift All uplift 100 lb or less at joint(s) except 1=-137(LC 12) Max Grav All reactions 250 lb or less at joint(s) except 1=2983(LC 29), 18=10446(LC 3), 13=11189(LC 3), SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-2=-5070/259, 2-4=-1049/156, 4-5=-59/3123, 5-6=-877/0, 6-7=-888/0, 7-8=-1478/0, TOP CHORD 8-10=0/2822, 10-11=-2068/0 OR THE BUILDING DESIGNER. 1-20=-296/4666, 19-20=-296/4666, 18-19=-120/927, 16-18=-2839/143, 14-16=0/1322, BOT CHORD 13-14=-2569/0. 12-13=0/1909. 11-12=0/1909 5-18=-5660/0, 5-16=0/5302, 6-16=-30/555, 8-13=-5075/0, 10-13=-4968/0, 10-12=0/3765, WEBS 7-14=-57/731, 7-16=-835/43, 8-14=0/5047, 4-19=-160/4402, 4-18=-4822/266, 2-20=-61/3164, 2-19=-4172/196 NOTES-A CAROLANA 1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc ORTH CARO Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc. 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3) Unbalanced roof live loads have been considered for this design. 4) Wind: ASCE 7-10; Vult=115mph 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

5) 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 SEAL 044925 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 6) Unbalanced snow loads have been considered for this design. COTT M. 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. NGINEER 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. SE 9) WARNING: Required bearing size at joint(s) 18, 13 greater than input bearing size M. SEM 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 137 lb uplift at joint 1. 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI October 1,2021 ▲ WARNING ■ Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 5/19/2020 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 louss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of fuses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DON GILMORE	
DO210933	CT1GT	Common Girder	1	-		I48157171
				3	Job Reference (optional)	l l

Truss Builders, Inc.

Morrisville, NC - 27560,

8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:14:39 2021 Page 2 ID:C31OG5R74jf1UmnMaZf7HyYoRf-cnjaRUeJR; CK4XxiUEDIvhtx5r0l7Bn408leogyYTcU

NOTES-

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1250 lb down and 53 lb up at 2-0-0, 1250 lb down and 53 lb up at 40-0, 1250 lb down and 53 lb up at 6-0-0, 1250 lb down and 53 lb up at 6-0-0, 1250 lb down and 53 lb up at 12-0-0, 194 lb down and 63 lb up at 12-0-0, 194 lb down and 63 lb up at 12-0-1, 1250 lb down at 23-8-5, 1285 lb down at 23-8-7, and 1285 lb down at 33-3-7, and 1285 lb down at 34-10-10 , and 1285 lb down at 36-5-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-50, 6-11=-50, 1-11=-20

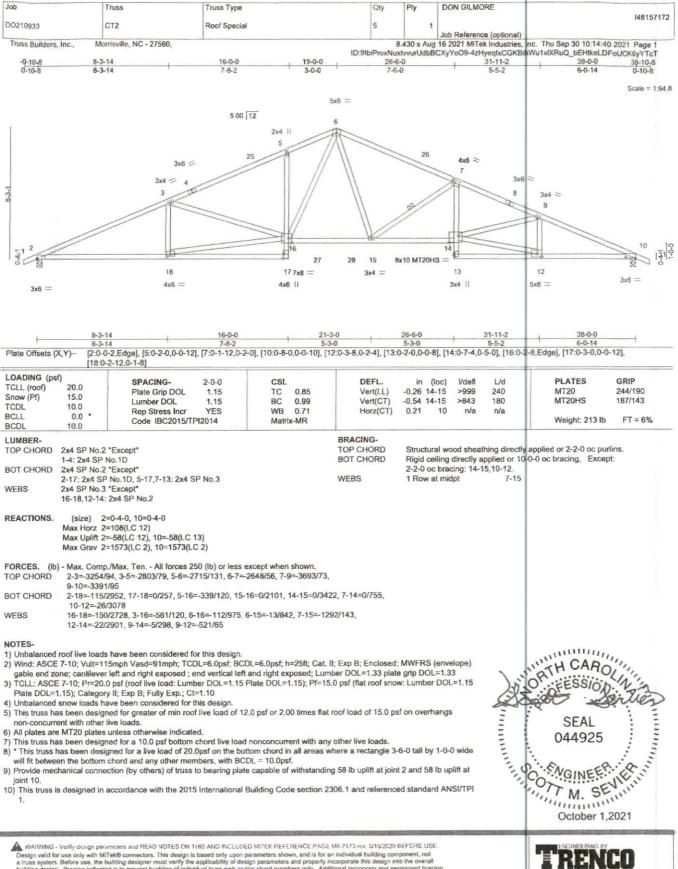
Concentrated Loads (lb)
Vert: 18=-40 16=-875(F) 13=-875(F) 15=-875(F) 24=-875(F) 25=-1074(F) 26=-1074(F) 27=-1074(F) 28=-1074(F) 39=-1074(F) 30=-1074(F) 32=-875(F) 33=-875(F) 35=-875(F) 36=-875(F) 37=-875(F) 38=-875(F) 39=-875(F) 40=-875(F) 41=-875(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE Mit-7473 rev. 5/19:2020 BEFORE USE

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall
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fabrication, storage, defivery, erection and bracing of trusses and truss systems, see

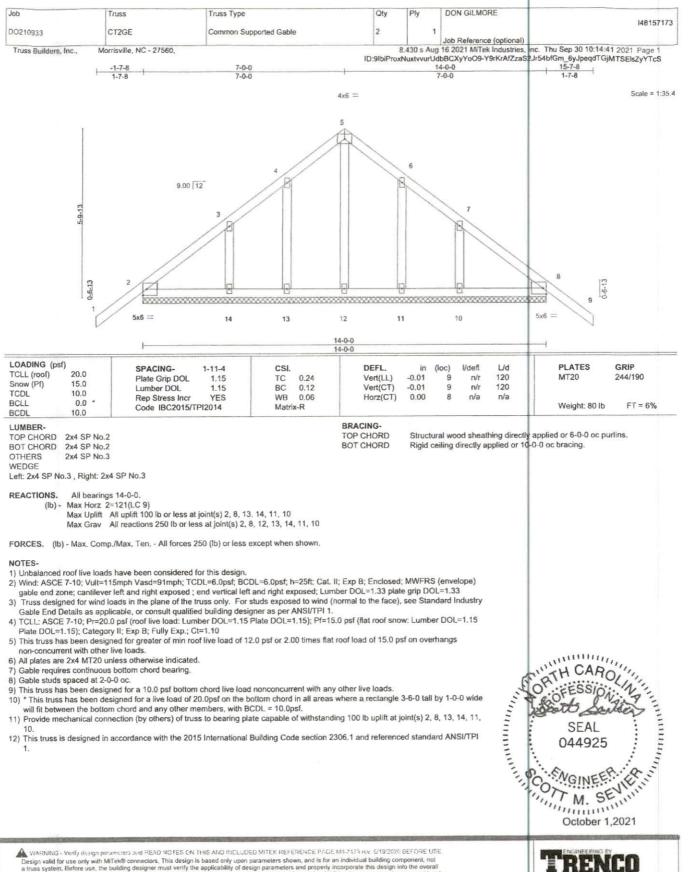
ANSITY Quality Criteria, DSB-89 and BCSI Building Component
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





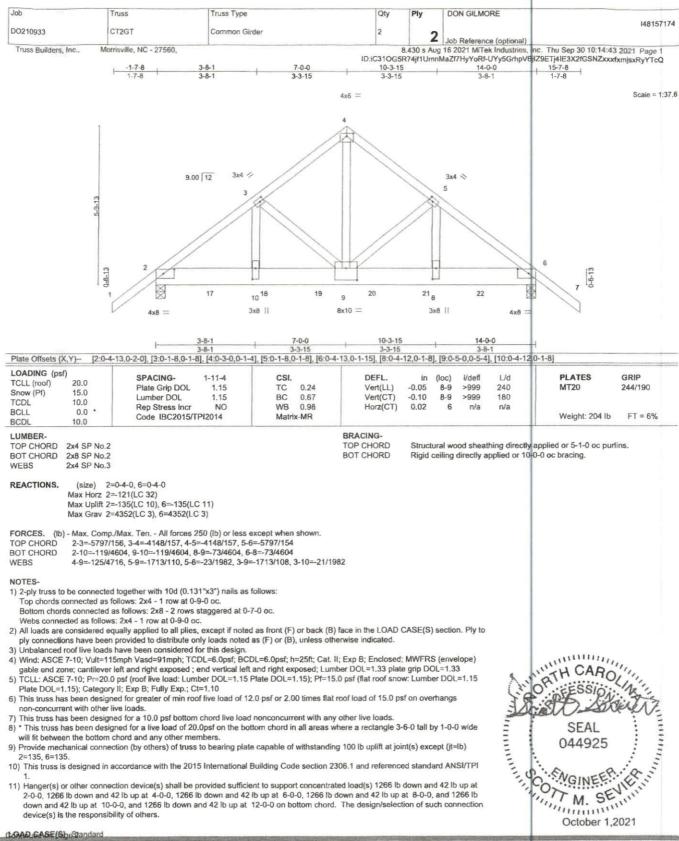
Design valid for use only with MTeléb connectors. This design is based only upon parameters shown, and is for an individual building component, not a russ system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss were and/or bord members only Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see — ANSITER'S Quality Criteria, DSB-89 and BCSI Building Component Safety Information—available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801





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MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. \$/19/2020 BEFORE USE WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIN-7473 fee. USE. Design valid for use only with MT left connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system, Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicaded is to prevent buckling of individual truss web andfor chord members only Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, starge, delivery, erection and bracing of trusses and fruss systems, see

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Job	Truss	Truss Type	Qty	Ply	DON GILMORE	
DO210933	CT2GT	Common Girder	2	_		148157174
00210933	01201	Common Citati		2	Job Reference (optional)	

Truss Builders, Inc., Morrisville, NC - 27560, 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:14:43 2021 Page 2 ID:C31OG5R74jf1UmnMaZf7HyYoRf-UYy5GrhpVBjtZ9ETj4lE3X2fGSNZ0xxbxmjsxRyYTcQ

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-48, 4-7=-48, 11-14=-19 Concentrated Loads (lb)

Vert: 17=-1074(B) 18=-1074(B) 19=-1074(B) 20=-1074(B) 21=-1074(B) 22=-1074(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIL-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members. Additional temporary and permanent bracing is always required for stability and to prevent obligate with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and fruss systems, see

ANSITY Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Joh Qty DON GILMORE Truss Truss Type 148157175 DO210933 CT3 Common 2 Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:14:44 2021 Page 1
ID:9lbiProxNuxtvurUdbBCXyYoO9-zkWTUBiRFVrcAlpfGnpTckalMsmDgcap9QSPTuyYTcP Truss Builders, Inc., Morrisville, NC - 27560 14-0-0 7-0-0 Scale = 1:39.6 5x6 MT20HS = 3 9.00 12 13 6 2x4 || 5x6 = 5x6 = LOADING (psf) GRIP CSI. PLATES SPACING-1-11-4 DEFI. in (loc) 1/defl 1/d TCLL (roof) -0.06 6-12 240 MT20 244/190 Plate Grip DOL >999 1.15 0.54 Vert(LL) Snow (Pf) 15.0 1.15 BC 0.45 Vert(CT) -0.10 6-12 >999 180 MT20HS 187/143 Lumber DOL TCDL 10.0 Rep Stress Incr WB 0.12 Horz(CT) 0.01 n/a n/a 0.0 * BCLL Weight: 62 lb FT = 6% Code IBC2015/TPI2014 Matrix-MR 10.0 BCDL BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. TOP CHORD 2x4 SP No.2 TOP CHORD BOT CHORD **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 WEBS WEDGE Left: 2x4 SP No.3, Right: 2x4 SP No.3 (size) 2=0-4-0, 4=0-4-0 REACTIONS. Max Horz 2=121(LC 9) Max Uplift 2=-30(LC 10), 4=-30(LC 11) Max Grav 2=643(LC 22), 4=643(LC 23) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-646/56, 3-4=-646/56 2-6=0/482, 4-6=0/482 BOT CHORD 3-6=0/309 WEBS NOTES-1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph 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) 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. OF ESSION 5) All plates are MT20 plates unless otherwise indicated. 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1. 044925 W. Schill October 1,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX. REFERENCE PAGE MIN-7475 rev. 6/19/2020 BEFORE USE

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicaled is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of frustes and truss systems, see

ANSUTPT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Qty DON GILMORE Job Truss Type Ply Truss DO210933 CT3GE Piggyback Base Structural Gable COMMON Job Reference (optional) nc. Thu Sep 30 10:14:46 2021 Page 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:14:46 2021 Page 1 ID:iC31OGSR74jf1UmnMaZf7HyYoRf-v7eDvtjin65KQc22OCrxh9g7AfP88VT6dkxWXmyYTcN Morrisville, NC - 27560 Truss Builders, Inc., 22-7-0 4x6 = 4x6 = 10 14 15 16 17 10.00 12 20 21 32 31 30 26 25 39 38 37 36 35 34 33 29 28 27 3x6 11 5x6 = 11-1-14 13-3-8 20-7-0 22-7-0 1-5-0 1-3-6 [2:Edge,0-0-0], [9:0-4-4,0-2-0], [15:0-4-4,0-2-0], [35:0-3-0,0-3-0] Plate Offsets (X,Y)--LOADING (psf) GRIP DEFL (loc) L/d PLATES I/defl SPACING-2-0-0 in TCLL (roof) 0.39 Vert(LL) -0.07 30-31 >999 240 MT20 244/190 Plate Grip DOI TC 1.15 Snow (Pf) 15.0 BC 0.68 Vert(CT) -0.12 30-31 >715 180 1.15 Lumber DOL TCDL 10.0 YES WB 0.16 Horz(CT) 0.00 22 n/a n/a Rep Stress Inci **BCII** 0.0 FT = 6% Weight: 293 lb Code IBC2015/TPI2014 Matrix-MR BCDL BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x4 SP No.2 TOP CHORD except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 9-15. BOT CHORD 2x4 SP No.2 Rigid ceiling directly applied or 6-0-0 oc bracing.

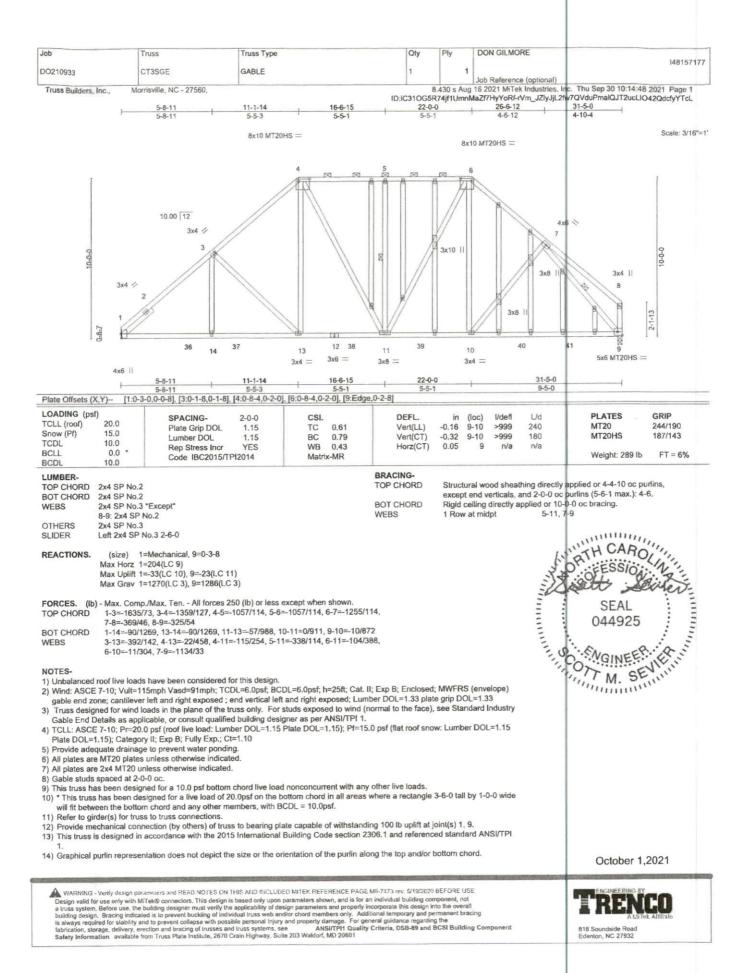
1 Row at midpt 9-35, |2-31, 13-30, 14-29, 10-34, 11-32, 8-36, |6-27 2x4 SP No 3 **BOT CHORD** WEBS WEBS Left 2x4 SP No.3 2-6-0 SLIDER All bearings 13-7-0 except (it=length) 28=10-10-0, 22=10-10-0, 27=10-10-0, 26=10-10-0, 25=10-10-0, 24=10-10-0, REACTIONS. 23=10-10-0, 33=0-3-8, 29=0-3-8, 29=0-3-8. (lb) - Max Horz 2=214(LC 9) Max Uplift All uplift 100 lb or less at joint(s) 35, 22, 39, 38, 37, 36, 26, 25, 24, 33, 29 except 2=-104(LC 6), 28=-408(LC 28), 34=-329(LC 3), 40=-102(LC 10), 23=-159(LC 11) Max Grav All reactions 250 lb or less at joint(s) 2, 35, 28, 22, 34, 40, 39, 38, 37, 36, 27, 26, 25, 24, 23, 2 except 33=798(LC 3), 29=755(LC 28), 29=538(LC 1) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 14-29=-315/50 WEBS 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph 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 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.
 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) TH CARA O FESSION A Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10 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) Provide adequate drainage to prevent water ponding. October 1.2 7) All plates are 2x4 MT20 unless otherwise indicated 8) Gable studs spaced at 2-0-0 oc 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 35, 22, 39, 38, 37, 36, 26, 25, 24, 33, 29 except (jt=lb) 2=104, 28=408, 34=329, 40=102, 23=159, 2=104. 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord

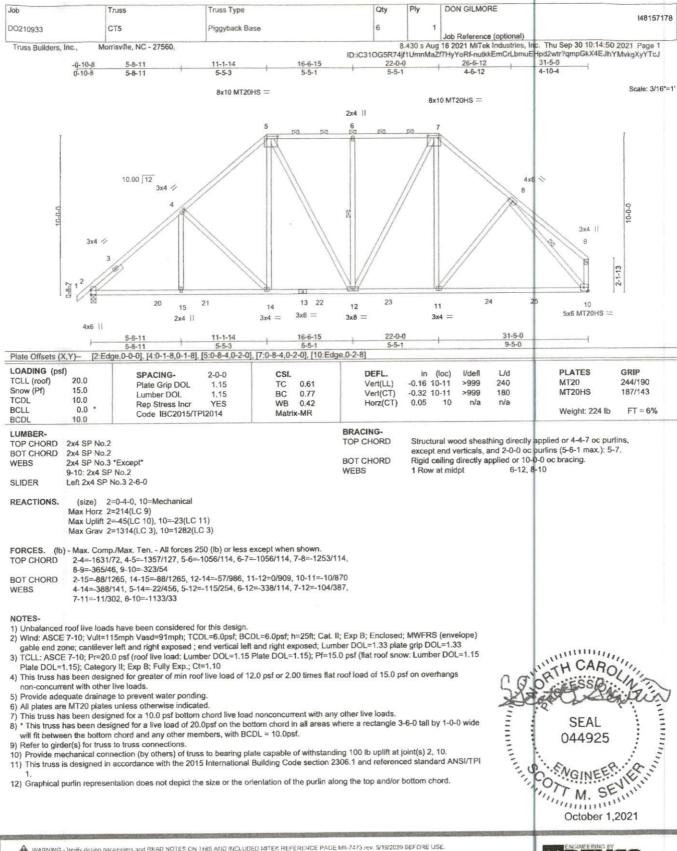
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MITEk® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Paramig 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 obligate with possible personal injury and properly damage. For general guidance regarding the labrication, storage, delivery, rection and bracing of frusses and truss systems, see

ANSIGNUAL Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





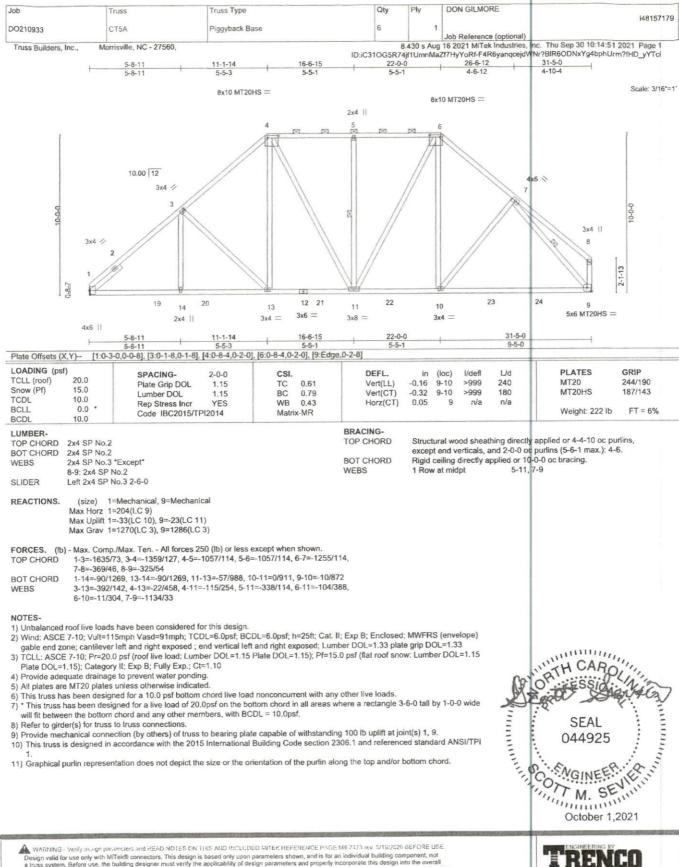


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MII-7475 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the albrication, storage, delivery, erection and bracing of trusses and russ systems, see

ANSIPTIQUALITY Cluality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Ptate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



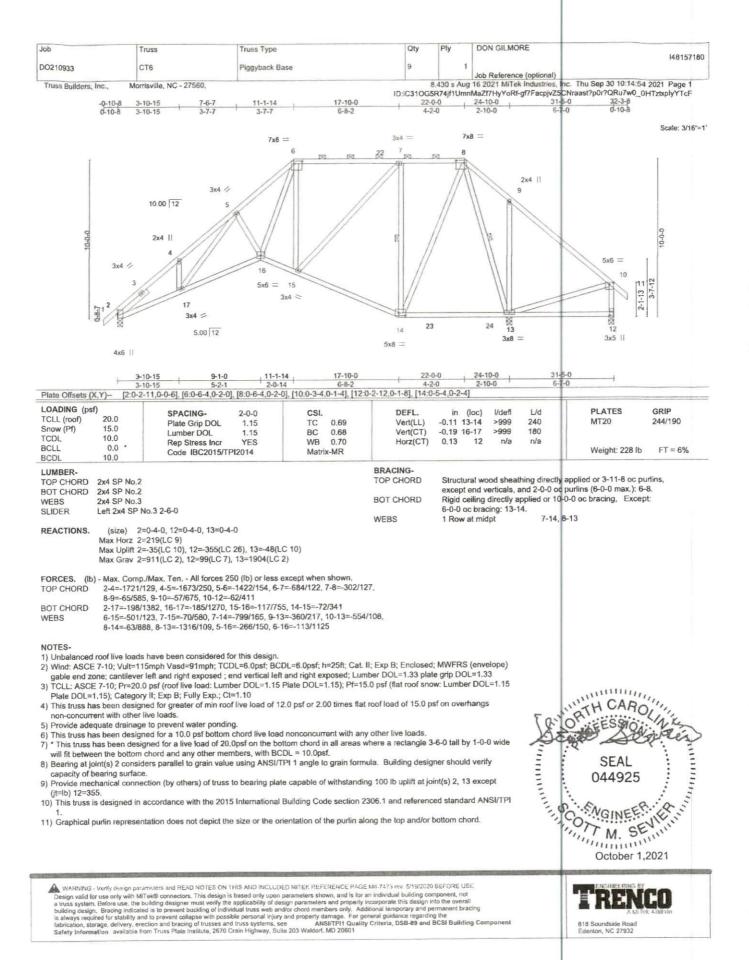


WARNING - Verify using parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE NIE-1475 (ev. 5/19/2026 BEFORE USE.)

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, defivery, erection and bracing of trusses and russ systems, see

ANSITYTH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Job Truss Type DON GILMORE 148157181 DO210933 PB1GE GABLE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:14:56 2021 Page 1 Truss Builders, Inc., Morrisville, NC - 27560 ID:9lbiProxNuxtvvurUdbBCXyYoO9-c2F??lrzRBLvd9lzzI1H5G4v5hzJU2sawHM2uByYTcD 10-10-1 4x6 = Scale = 1:28.7 10.00 12 2x4 || 5 2x4 || 3x6 = 3x6 = 2x4 [] 2x4 || 2x4 || LOADING (psf) PLATES GRIP DEFL. SPACING-2-0-0 CSI in (loc) l/defi L/d TCLL (roof) 244/190 Plate Grip DOL 0.11 Vert(LL) 999 MT20 1.15 TC n/a n/a Snow (Pf) 15.0 Lumber DOL 1.15 BC 0.05 Vert(CT) n/a n/a 999 TCDL 10.0 Rep Stress Inci YES WB 0.04 Horz(CT) 0.00 6 n/a n/a BCLL 0.0 FT = 6% Code IBC2015/TPI2014 Weight: 47 lb Matrix-R BCDL 10.0 BRACING-LUMBER-TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. TOP CHORD **BOT CHORD** BOT CHORD 2x4 SP No.2 2x4 SP No 3 **OTHERS** REACTIONS. All bearings 10-10-1 (lb) - Max Horz 1=-83(LC 6) Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 6, 10, 8 except 1=-138(LC 22) Max Grav All reactions 250 lb or less at joint(s) 1, 7, 6, 9, 10, 8 except 2=265(LC 22) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 4) 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) Gable requires continuous bottom chord bearing. 6) Gable studs spaced at 2-0-0 oc. 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide CARO! will fit between the bottom chord and any other members. OR EESSION IN 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2, 6, 10, 8 except (jt=lb) 1=138. 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building SEAL 044925 W. SE October 1,2021

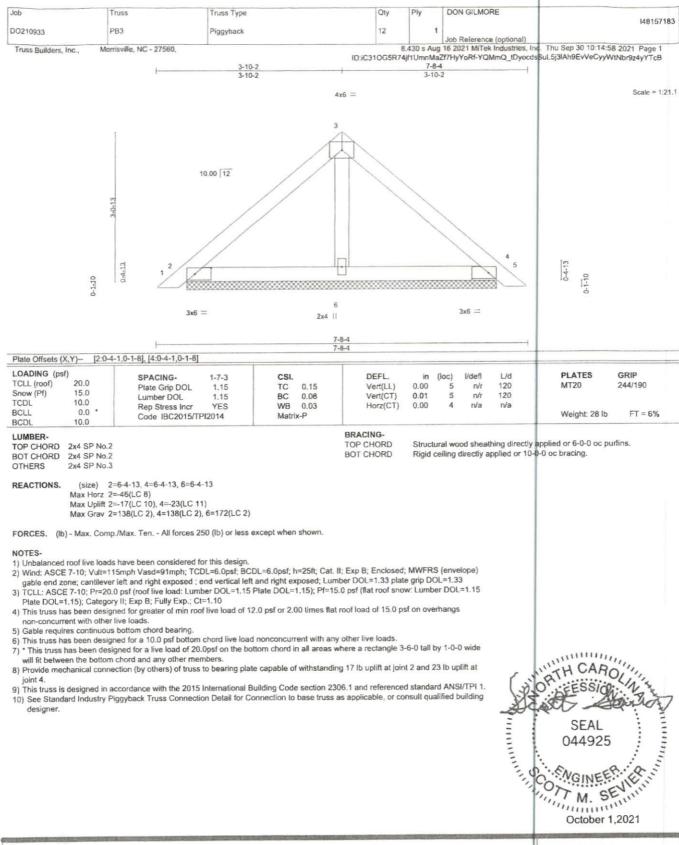
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 (ev. £/19/2026 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters appearly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of invises and russ systems, see

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



DON GILMORE Job Truss Type Qty Ply DO210933 PB2 Piggyback 21 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, hc. Thu Sep 30 10:14:57 2021 Page 1 ID:iC31OG5R74jf1UmnMaZt7HyYoRf-4EoOCesbBUUmEl_9X0YWdUd0D5HeDUXj9x6bOdyYTcC Truss Builders, Inc., Morrisville, NC - 27560, 4x6 || 10.00 12 -13 2 5 1415 0-1-10 3x6 = Plate Offsets (X,Y)-- [2:0-4-1,0-1-8], [4:0-4-1,0-1-8] LOADING (psf) CSI. DEFL in (loc) l/defl L/d **PLATES** GRIP SPACING-2-0-0 TCLL (roof) 20.0 244/190 240 TC BC Vert(LL) -0.01 4-6 >999 MT20 Plate Grip DOL 1.15 0.34 15.0 Snow (Pf) 180 0.17 Vert(CT) -0.01 >999 1.15 Lumber DOL TCDL 10.0 Rep Stress Incr YES WB 0.07 Horz(CT) 0.00 5 n/a n/a BCLL 0.0 FT = 6% Weight: 41 lb Code IBC2015/TPI2014 Matrix-R BCDI. 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing. TOP CHORD 2x4 SP No.2 TOP CHORD 2x4 SP No.2 **BOT CHORD** BOT CHORD OTHERS 2x4 SP No.3 REACTIONS. All bearings 10-10-1. Max Horz 1=-84(LC 6) (lb) -Max Uplift All uplift 100 lb or less at joint(s) except 1=-384(LC 22), 5=-278(LC 27), 5=-211(LC 1), 2=-191(LC 10), 4=-140(LC 11) Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 2=620(LC 22), 4=540(LC 27), 6=315(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-139/282 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-10; Vult=115mph 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) 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 1-0-0 wide will fit between the bottom chord and any other members. 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 1, 278 lb uplift at OR ESSION 1 joint 5, 191 lb uplift at joint 2 and 140 lb uplift at joint 4. 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1. 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer SEAL 044925 October 19 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-1475 etc. \$192020 GEFORE USE Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use. The building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated its 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 obligate with possible personal injury and property damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of invises and truss systems, see

ANSITTH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



WARNING - Venity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-747 (by. 6/18/7026 DEFORE USE.)

Design valid for use only with MT ek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must venity the applicability of design parameters and properly incorporate this design into the overall building design, Bracing indicated its 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 oblique with possible personal injury and properly damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITYT Qualify Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



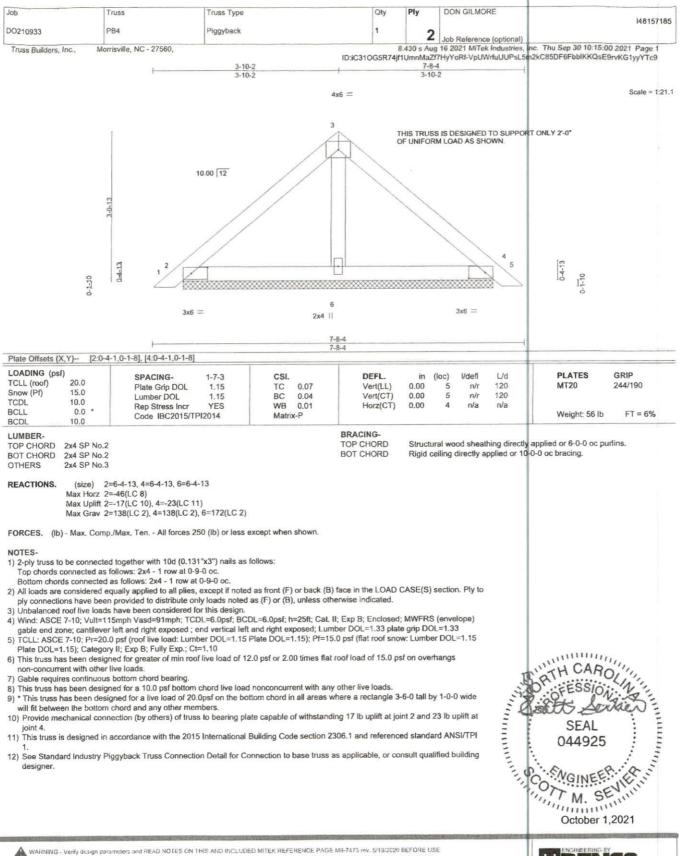
818 Soundside Road Edenton, NC 27932 Job Truss DON GILMORE 148157184 DO210933 PB3GE Piggyback Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:14:59 2021 Page 1 Morrisville, NC - 27560 Truss Builders, Inc., ID:iC31OG5R74jf1UmnMaZf7HyYoRf-0dw8dJtsj6kUUcTYfRa_jviPfv_RhPm0cFbivWyYTcA Scale = 1:21.1 4x6 = 10.00 12 0-4-13 0-4-13 3x6 = 3x6 = 2x4 || Plate Offsets (X,Y)-- [2:0-4-1,0-1-8], [4:0-4-1,0-1-8] LOADING (psf) DEFL. PLATES GRIE SPACING-CSI. (loc) I/defl TCLL (roof) 20.0 Plate Grip DOL 1.15 TC 0.15 Vert(LL) 0.00 n/r 120 MT20 244/190 Snow (Pf) 15.0 Lumber DOL 1.15 BC 0.08 Vert(CT) 0.01 5 n/r 120 TCDL 10.0 WB 0.03 0.00 Rep Stress Incr YES Horz(CT) n/a n/a BCLL 0.0 Code IBC2015/TPI2014 Weight: 28 lb FT = 6% Matrix-P BCDI 10.0 BRACING-LUMBER-2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. TOP CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.2 BOT CHORD **BOT CHORD** 2x4 SP No.3 OTHERS REACTIONS. (size) 2=6-4-13, 4=6-4-13, 6=6-4-13 Max Horz 2=-46(LC 8) Max Uplift 2=-17(LC 10), 4=-23(LC 11) Max Grav 2=138(LC 2), 4=138(LC 2), 6=172(LC 2) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1) Unbalanced roof live loads have been considered for this design 2) Wind: ASCE 7-10; Vull=115mph 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) 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 5) Gable requires continuous bottom chord bearing. 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. ORTESSIO: 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 2 and 23 lb uplift at joint 4. 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1. 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer. 044925 October

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Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional lemporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of invises and truss systems, see

ANSUPTY Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



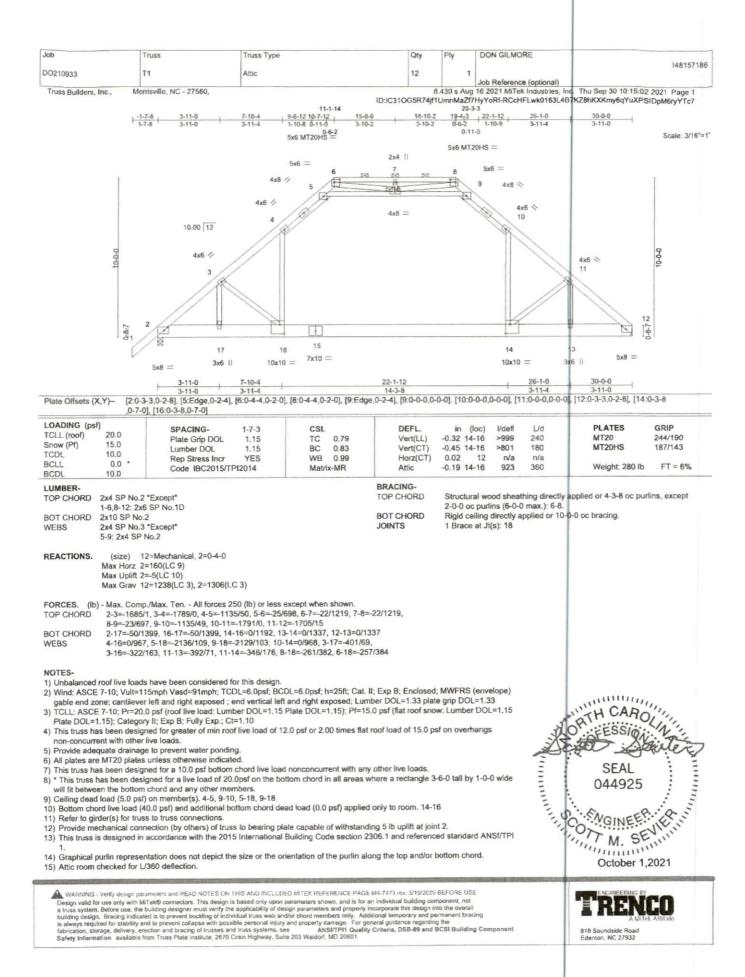


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MIN-7475 rev. 5/19/2020 BEFORE USE

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design, Bracing indicated is to prevent buckling of Individual Bruss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of furuses and truss systems, see

ANSITTP! Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801





Qty Ply DON GILMORE Job Truss Truss Type 148157187 DO210933 TG1 ATTIC 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:15:04 2021 Page 1
ID:iC310G5R74jftUmnMaZf7HyYoRt-Nak1g1x_YeMnaNLVR_AAQyP5SwVbMaelmXlTAjyYTc5 Morrisville, NC - 27560, Truss Builders, Inc., 10-7-12 20-3-3 9-8-12 11-1-14 1-10-8 0-11-0 0-6-2 1-10-9 0-10-15 5x6 MT20HS = Scale = 1:68.0 5x6 MT20HS = 2x4 || 5x6 = 5x6 = 4x8 🔌 3x8 N 4x8 = 10 10.00 12 3x4 / 3x4 3 12 1-8-0 15 17 7x10 = 10x10 = 346 11 3x6 11 10x10 = 26-1-0 3-11-4 [2:0-3-3,0-2-8], [3:0-1-8,0-1-8], [4:0-3-8,0-1-8], [5:Edge,0-2-4], [6:0-4-4,0-2-0], [8:0-4-4,0-2-0], [9:Edge,0-2-4], [10:0-3-8,0-1-8], [11:0-1-8,0-1-8], [12:0-3-3,0-2-8], [10:0-3-8,0-1-8], [10 Plate Offsets (X,Y)--.0-2-8], [14:0-3-8,0-7-0], [16:0-3-8,0-7-0] LOADING (psf) PLATES GRIP SPACING-CSI DEFL. 3-0-0 TCLL (roof) 244/190 Plate Grip DOL 1.15 TC 0.85 Vert(LL) -0.30 14-16 >999 240 MT20 Snow (Pf) 150 MT20HS 187/143 1.15 Lumber DOL BC 0.85 Vert(CT) -0.42 14-16 >854 180 TCDL 10.0 0.02 n/a Rep Stress Incr NO WB 0.43 Horz(CT) 12 n/a BCLL 0.0 * FT = 6% Code IBC2015/TPI2014 -0.17 14-16 984 360 Weight: 560 lb Matrix-MR LUMBER-**BRACING-**TOP CHORD 2-0-0 oc purlins (6-0-0 max.) TOP CHORD 2x4 SP No.2 *Except (Switched from sheeted: Spacing > 2-8-0).
Rigid ceiling directly applied or 10-0-0 oc bracing. 1-6,8-12: 2x6 SP No.1D 2x10 SP No.2 **BOT CHORD BOT CHORD** TH CAROLANIA 2x4 SP No.3 *Except* **JOINTS** 1 Brace at Jt(s): 6, 8, 18 WEBS 5-9: 2x4 SP No.2 ORTH CAROLIN REACTIONS. (size) 12=Mechanical, 2=0-4-0 OFESSIO Max Horz 2=300(LC 9) Max Uplift 2=-9(LC 10) Max Grav 12=2322(LC 3), 2=2451(LC 3) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-3162/0, 3-4=-3355/0, 4-5=-2130/94, 5-6=-47/1309, 6-7=-42/2286, 7-8=-42/2286, 8-9=-43/1309, 9-10=-2129/91, 10-11=-3358/0, 11-12=-3197/27 SEAL 044925 BOT CHORD 2-17=-93/2623, 16-17=-93/2623, 14-16=0/2236, 13-14=0/2504, 12-13=0/2504 4-16=0/1812, 5-18=-4008/204, 9-18=-3993/194, 10-14=0/1815, 3-17=-748/130, WEBS 3-16=-602/305, 11-13=-732/133, 11-14=-645/331, 7-18=-290/79, 8-18=-490/717, 6-18=-481/721 SE 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc. 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated. 3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph 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 5) 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 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) Provide adequate drainage to prevent water ponding. 8) All plates are MT20 plates unless otherwise indicated. 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members October 1,2021 11) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-18, 9-18 Oth Bolldran bard-like load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room, 14-16 A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MT leaß connectors. This design is based only upon parameters shown, and is for an individual building component, not a inuss system. Before use, the building designer must verify the applicability of design parameters shown, and is for an individual building component, not a inuss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indiciated is to prevent buckling of individual truss web andfor chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	DON GILMORE	148157187
DO210933	TG1	ATTIC	1	2	Job Reference (optional)	140107107

Truss Builders, Inc.,

Morrisville, NC - 27560,

8.430 s Aug 16 2021 MiTek Industries, Inc. Thu Sep 30 10:15:04 2021 Page 2
ID:iC31OG5R74jf1UrnnMaZf7HyYoRf-Nak1g1x_YeMnaNLVR_AAQyP5SwVbMaelmXlTAjyYTc5

NOTES-

13) Refer to girder(s) for truss to truss connections.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 2.
 This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

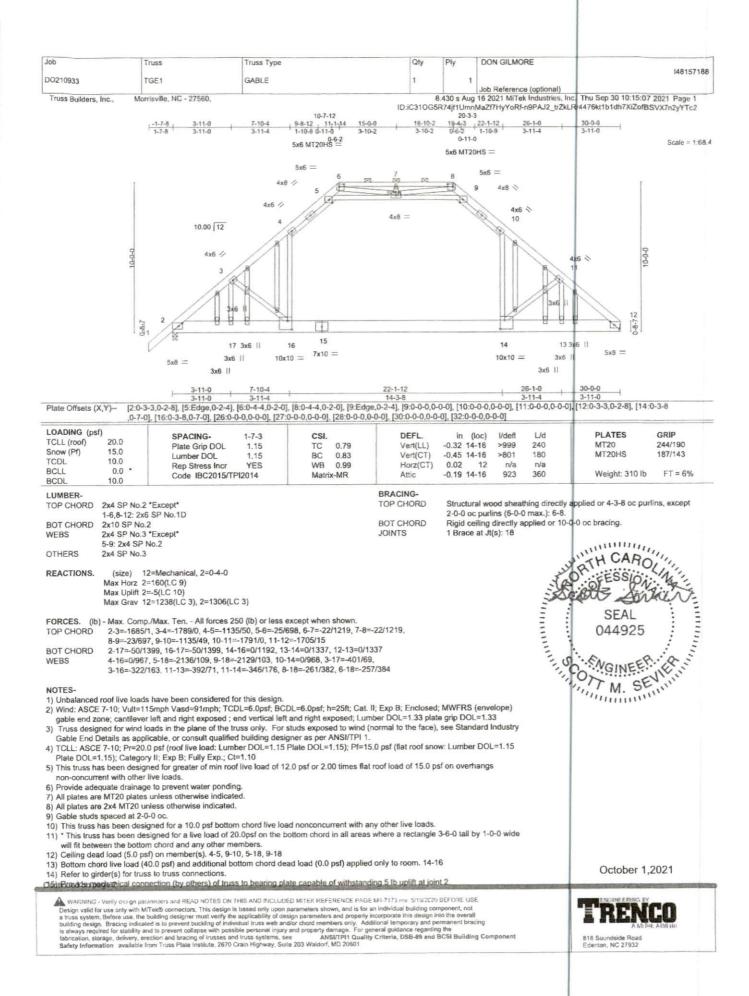
17) Attic room checked for L/360 deflection.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTak® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent obligate with possible personal injury and properly damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSIGTUAL Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Job	Truss	Truss Type	Qty	Ply	DON GILMORE	148157188
DO210933	TGE1	GABLE	1	1		140137100
(3-10)					Job Reference (optional)	

Truss Builders, Inc.,

Morrisville, NC - 27560.

8.430 s Aug 16 2021 MTek Industries, Inc. Thu Sep 30 10:15:07 2021 Page 2 ID:iC31OG5R74jf1UmnMaZf7HyYoRf-n9PAJ2_trzkLRr4476kt1b1dh7XiZofBSVX7n2yYTc2

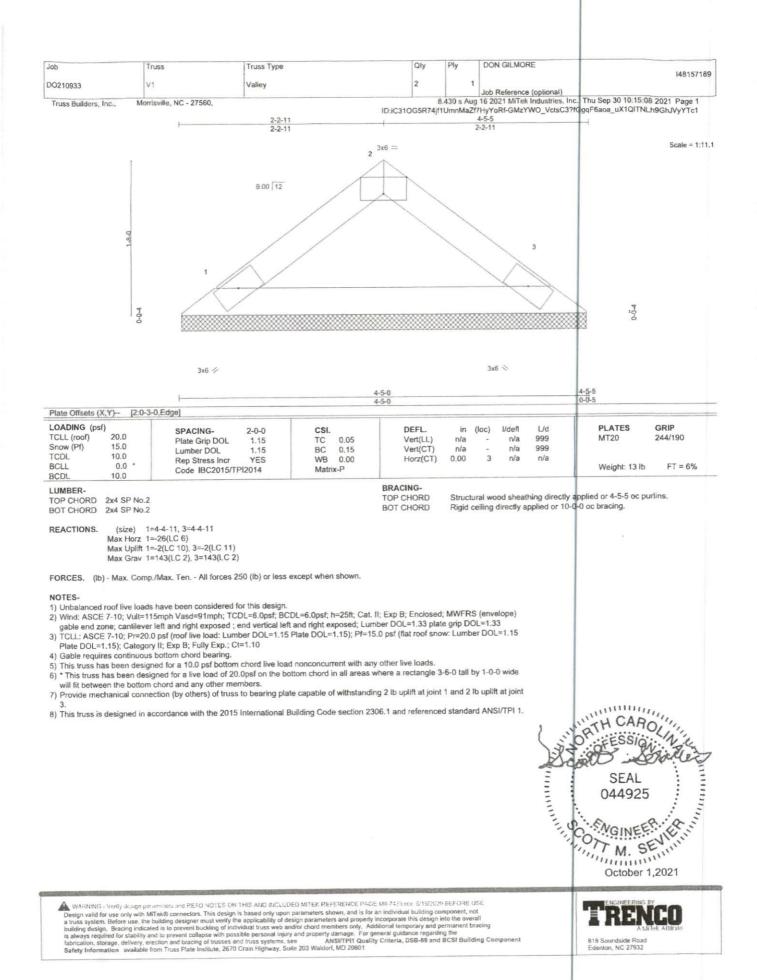
NOTES-

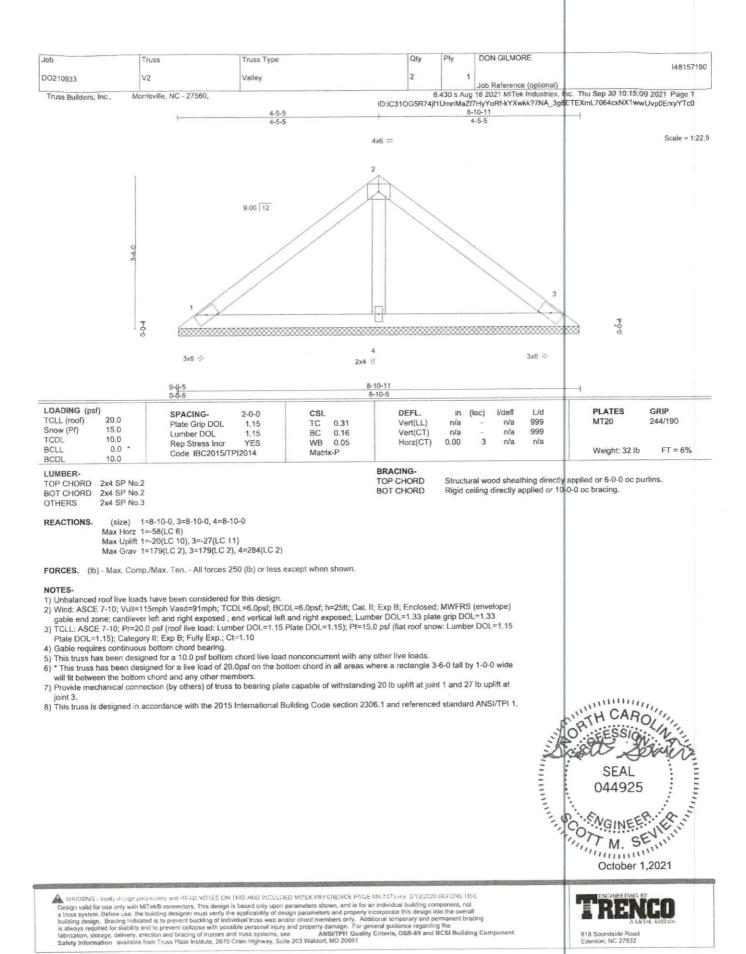
- 16) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 18) Attic room checked for L/360 deflection.

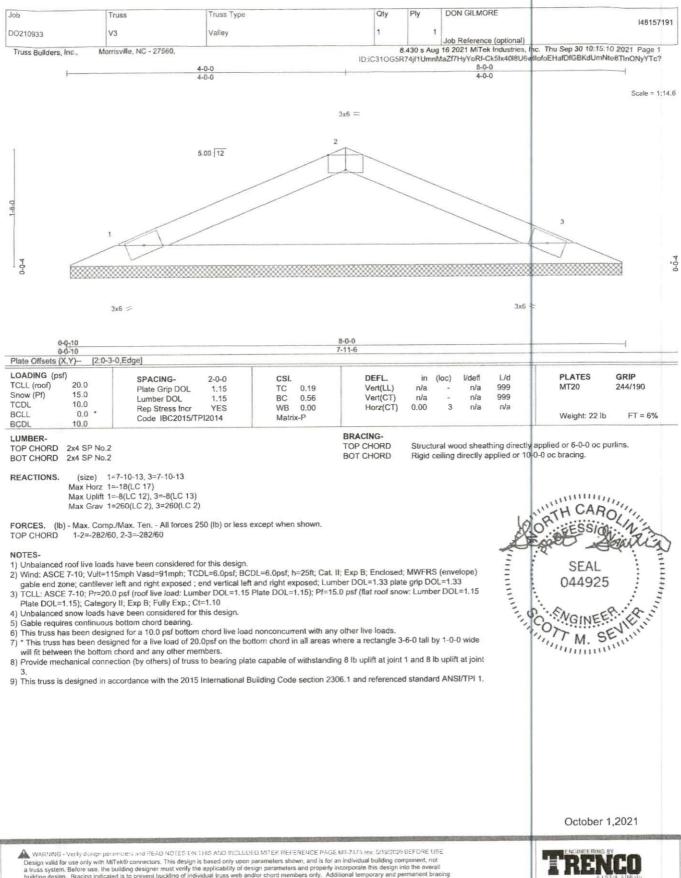
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MII-7473 rev. 5/19/2026 BEFORE USE Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of fususes and truss systems, see

ANSITYT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20501







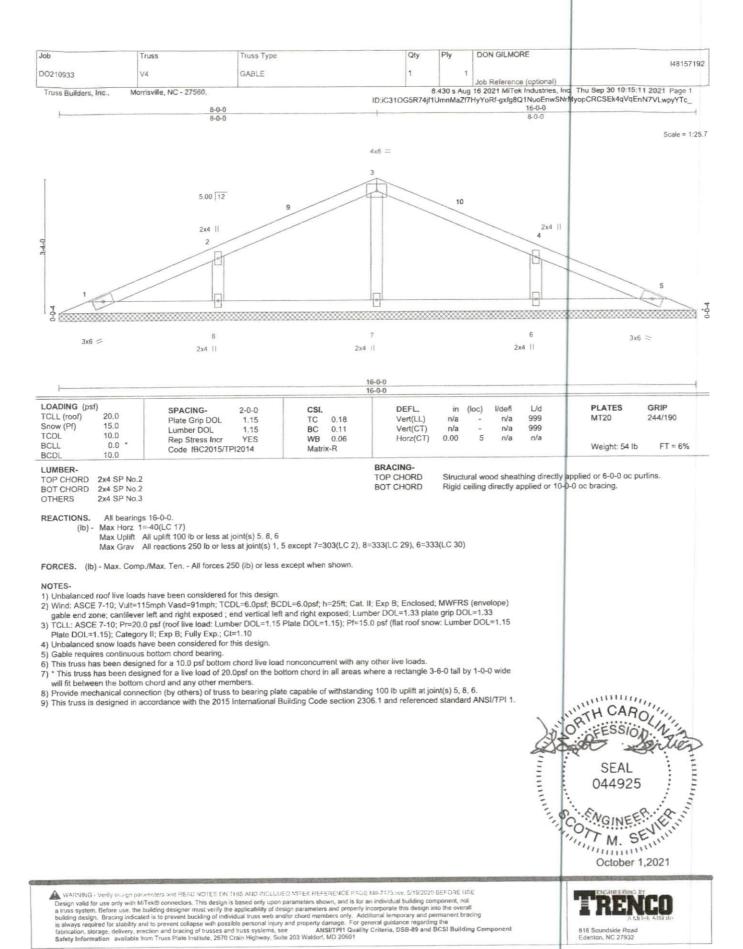


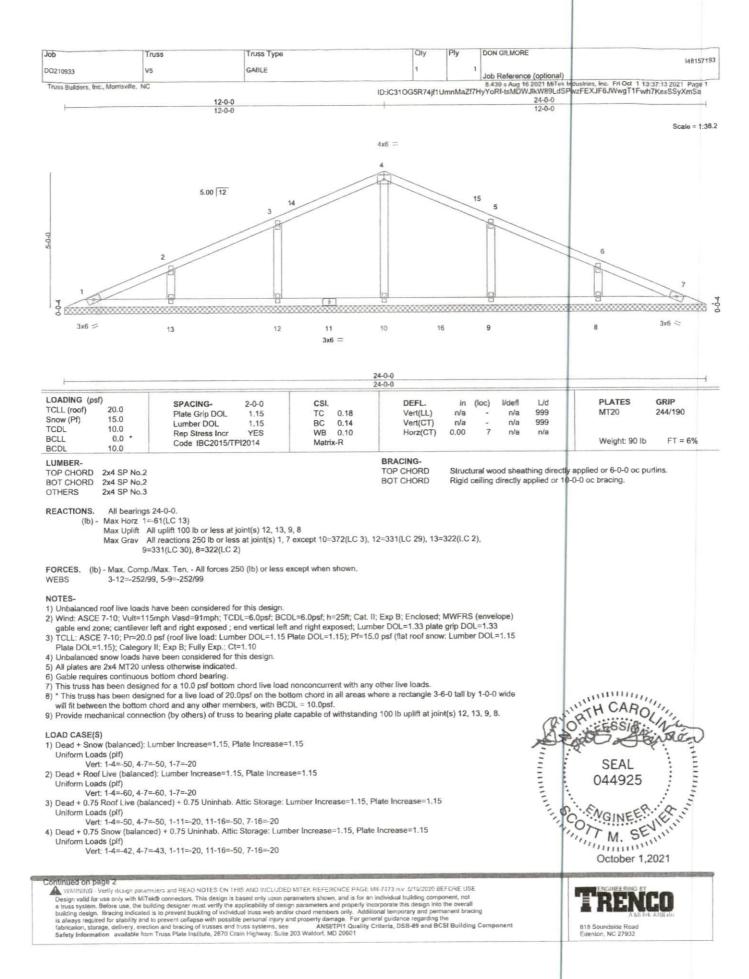
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-75 rev. 6/19/2020 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent obligate with possible personal injury and properly damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/THI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601







Job	Trune	Truss Type	Qty	Ply	DON GILMORE	
JOD	Truss	Tituss Type				1481571
DO210933	V5	GABLE	1		Job Reference (optional)	
Truss Builders, Inc., Mor	rtisville, NC		ID:iC310G5R74jf1	UmnMaZ	8.430 s Aug 16 2021 MiTel Indus 17HyYoRf-tsMDWJlkW89Ld\$Pwzi	stries, Inc. Fri Oct 1 13:37:13 2021 Page 2 FEXJF6JWwgT1Fwh7KexSSyXmSa
LOAD CASE(S)						
		hab. Attic Storage: Lumber Increase=1.1	5, Plate Increase=1.15			
Uniform Loads (p	olf)	1-11=-20, 11-16=-50, 7-16=-20				
Vert: 1-1	4=-42, 4-14=-05, 4-7=-27, w (Llabal Right) + 0.75 Lla	inhab. Attic Storage: Lumber Increase=1.	15. Plate Increase=1.15	5		
Uniform Loads (p		initial. Palle Glorage. Edition more				
Vert: 1-4	I=-27, 4-15=-55, 7-15=-43,	1-11=-20, 11-16=-50, 7-16=-20				
7) Dead + Uninhabi	table Attic Without Storage	: Lumber Increase=1.25, Plate Increase=	1.25			
Uniform Loads (p						
	I=-20, 4-7=-20, 1-7=-40	6 1 1 1 1 1 1 2 2 Dista la consess	-4 22			
		eft: Lumber Increase=1.33, Plate Increase	-1.33			
Uniform Loads (p	oir) I=10, 4-7=8, 1-7=-12					
	4=-22, 4-7=20					
		ght: Lumber Increase=1.33, Plate Increas	se=1.33			
Uniform Loads (p						
Vert: 1-4	=8, 4-7=10, 1-7=-12					
	4=-20, 4-7=22		4 22			
		Left: Lumber Increase=1.33, Plate Increase	se=1.33			
Uniform Loads	(pit) -4=-7, 4-7=-9, 1-7=-20					
	-4=-13, 4-7=11					
		Right: Lumber Increase=1.33, Plate Increase	ase=1.33			
Uniform Loads						
	4=9, 4-7=-7, 1-7=-20					
Horz: 1	-4=-11, 4-7=13	4.00 DI-I-	11 22			
		st Parallel: Lumber Increase=1.33, Plate	Increase=1.33			
Uniform Loads	(pit) -4=18, 4-7=5, 1-7=-12					
	-4=-30, 4-7=17					
		2nd Parallel: Lumber Increase=1.33, Plate	e Increase=1.33			
Uniform Loads						
Vert: 1-	4=5, 4-7=18, 1-7=-12					
	-4=-17, 4-7=30		11 22			
		3rd Parallel: Lumber Increase=1.33, Plate	Increase=1.33			
Uniform Loads (
	4=9, 4-7=1, 1-7=-12					

Uniform Loads (plf) Vert: 1-4=2, 4-7=-12, 1-7=-20 Horz: 1-4=-22, 4-7=8 17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.33, Plate Increase=1.33

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf) Vert: 1-4=-12, 4-7=2, 1-7=-20

Horz: 1-4-8, 4-7=22

Vert: 1-4=1, 4-7=9, 1-7=-12 Horz: 1-4-13, 4-7=21

18) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Uniform Loads (pif) Vert: 1-14=-50, 4-14=-67, 4-7=-29, 1-7=-20

19) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-29, 4-15=-67, 7-15=-50, 1-7=-20

20) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-20, 1-11=-20, 11-16=-60, 7-16=-20

21) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-4=-33, 4-7=-34, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-10, 4-7=8

22) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-4=-34, 4-7=-33, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-8, 4-7=10

23) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-4=-26, 4-7=-36, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-16, 4-7=6

24) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.33, Plate Increase=1.33

Continued on page 3 ters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MILITATA New, 0/19/2020 BEFORE USE WARNING - Verily design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIL7473 (No. 0742/20) BEFORE USE.

Design valid for use only with MITeR® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITTH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



148157193

Job	Truss	Truss Type	Qly	Ply	DON GILMORE	148157193
DO210933	V5	GABLE	1	1	Job Reference (optional)	146157155

Truss Builders, Inc., Morrisville, NC

8.430 s Aug 16 2021 MTe Industries, Inc. Fri Oct 1 13:37:13 2021 Page 3 ID:iC31OG5R74jf1UmnMaZf7HyYoRf-tsMDWJlkW89Ld\$PwzFEXJF6JWwgT1Fwh7KexSSyXmSa

LOAD CASE(S)

Uniform Loads (plf)

Vert: 1-4=-36, 4-7=-26, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-6, 4-7=16

25) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)

Vert: 1-4=-40, 4-7=-42, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-10, 4-7=8

26) Dead + 0.75 Roof Live (bat.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)

Vert: 1-4=-42, 4-7=-40, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-8, 4-7=10 27) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)

Vert: 1-4=-34, 4-7=-44, 1-11=-20, 11-16=-50, 7-16=-20

Horz: 1-4=-16, 4-7=6

28) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)

Vert: 1-4--44, 4-7--34, 1-11--20, 11-16--50, 7-16--20 Horz: 1-4=-6, 4-7=16

29) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-20, 1-7=-20

30) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-60, 1-7=-20

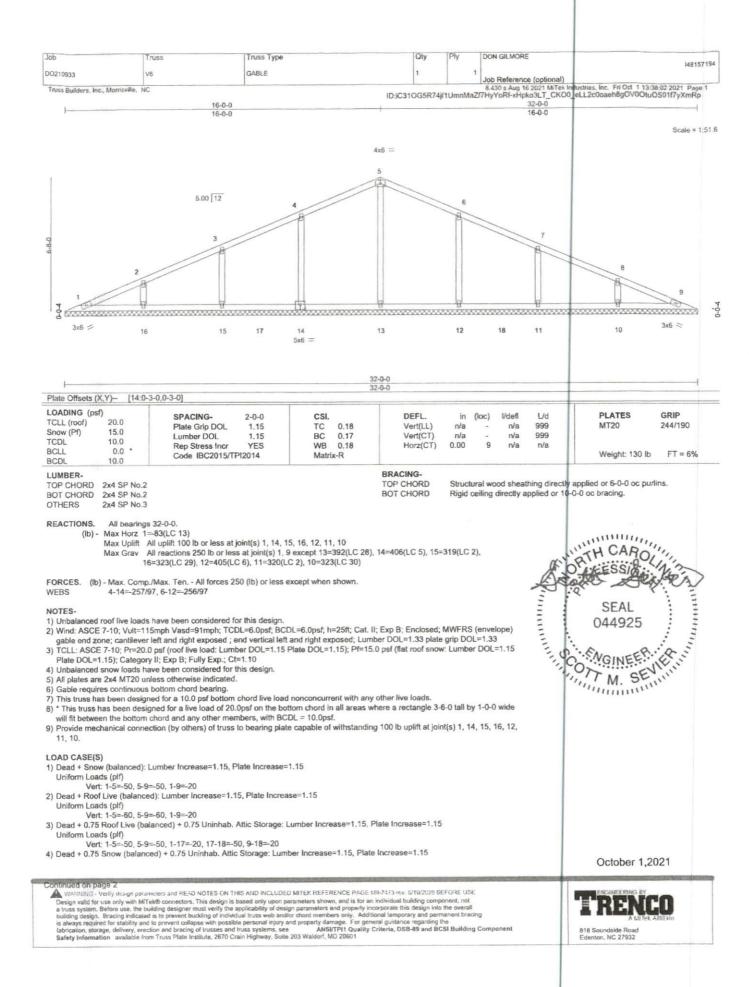
31) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-4=-50, 4-7=-20, 1-11=-20, 11-16=-50, 7-16=-20

32) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-50, 1-11=-20, 11-16=-50, 7-16=-20





Job	Truss	Truss Type	Qty	Ply	DON GILMORE	14815719
DO210933	V6	GABLE	1		Job Reference (optiona	
Truss Builders, Inc., Mor	rrisville, NC		ID-:C210C5B74	ift! Imn&4	8.430 s Aug 16 2021 MiTo	ik Industries, Inc. Fri Oct 1 13:38:02 2021 Page 2 O eLL2c0oaeh8gOV0OtuOS01f7yXmRp
			10.10310031014	H TOTTING	azirny roki-xnpkosti_ok	CV_ELL2CODAETIOGO VOCILOSO II/ YARIRD
LOAD CASE(S)	NA.					
Uniform Loads (p Vert: 1-5	5=-43, 5-9=-43, 1-17=-20,	17-18=-50, 9-18=-20				
		inhab. Attic Storage: Lumber Increase=1.15,	Plate Increase=1.15			
Uniform Loads (p Vert: 1-4		-17=-20, 17-18=-50, 9-18=-20				
6) Dead + 0.75 Sno	w (Unbal. Right) + 0.75 U	ninhab. Attic Storage: Lumber Increase=1.15	, Plate Increase=1.15			
Uniform Loads (p		-17=-20, 17-18=-50, 9-18=-20				
		e: Lumber Increase=1.25, Plate Increase=1.3	25			
Uniform Loads (p						
	5=-20, 5-9=-20, 1-9=-40 RS Wind (Pos. Internal) L	.eft: Lumber Increase=1.33, Plate Increase=1	1.33			
Uniform Loads (p	olf)					
	5=10, 5-9=8, 1-9=-12 5=-22, 5-9=20					
		Right: Lumber Increase=1.33, Plate Increase=	=1.33			
Uniform Loads (p	olf) i=8, 5-9=10, 1-9=-12					
	5=-20, 5-9=22					
		Left: Lumber Increase=1.33, Plate Increase	=1.33			
Uniform Loads ((plt) -5=-7, 5-9=-9, 1-9=-20					
Horz: 1	-5=13, 5-9=11					
 Dead + 0.6 MW Uniform Loads (Right: Lumber Increase=1.33, Plate Increase	e=1.33			
	·5=-9, 5-9=-7, 1-9=-20					
	-5=-11, 5-9=13	4.6				
Uniform Loads (1st Parallel: Lumber Increase=1.33, Plate In	crease=1.33			
Vert: 1-	-5=18, 5-9=5, 1-9=-12					
	-5=-30, 5-9=17 FRS Wind (Pos. Internal)	2nd Parallel: Lumber Increase=1.33, Plate Ir	ocrease=1 33			
Uniform Loads (2nd Parallel. Euriber Increase 1.55, Plate II	1.55			
	5=5, 5-9=18, 1-9=-12					
	-5=-17, 5-9=30 FRS Wind (Pos. Internal)	3rd Parallel: Lumber Increase=1.33, Plate In	crease=1.33			
Uniform Loads ((plf)					
	.5=9, 5-9=1, 1-9=-12 -5=-21, 5-9=13					
		4th Parallel: Lumber Increase=1.33, Plate In	crease=1.33			
Uniform Loads (
	5=1, 5-9=9, 1-9=-12 -5=-13, 5-9=21					
		1st Parallel: Lumber Increase=1.33, Plate In	crease=1.33			
Uniform Loads (plf) 5=2, 5-9=-12, 1-9=-20					
	-5=-22, 5-9=8					
		2nd Parallel: Lumber Increase=1.33, Plate In	ncrease=1.33			
Uniform Loads (Vert: 1-	5=-12, 5-9=2, 1-9=-20					
	-5=-8, 5-9=22					
18) Dead + Snow (U Uniform Loads (ase=1.15, Plate Increase=1.15				
Vert: 1-	4=-50, 4-5=-72, 5-9=-29,					
 Dead + Snow (Uniform Loads (ease=1.15, Plate Increase=1.15				
	5=-29, 5-6=-72, 6-9=-50,	1-9=-20				
		ber Increase=1.25, Plate Increase=1.25				
Uniform Loads (Vert: 1-	pit) 5=-20, 5-9=-20, 1-17=-20	. 17-18=-60. 9-18=-20				
21) Dead + 0.75 Sno		Attic Storage + 0.75(0.6 MWFRS Wind (Neg	. Int) Left): Lumber Inc	rease=1	.33, Plate	
Increase=1.33	nift.					
Uniform Loads (Vert: 1-	рп) 5=-33, 5-9=-34, 1-17=-20	, 17-18=-50, 9-18=-20				
Horz: 1-	-5=-10, 5-9=8		Labria		1.00 51	
22) Dead + 0.75 Sno Increase=1.33	ow (bal.) + 0.75 Uninhab.	Attic Storage + 0.75(0.6 MWFRS Wind (Neg	. Int) Right): Lumber Ir	crease=	1.33, Plate	
Uniform Loads (
	5=-34, 5-9=-33, 1-17=-20 -5=-8, 5-9=10	, 17-18=-50, 9-18=-20				
rior2: 1-	-J-0, J-3-1U					

Continued on page 3

Plate Increase=1.33

Uniform Loads (pif) Vert: 1-5=-26, 5-9=-36, 1-17=-20, 17-18=-50, 9-18=-20 Horz: 1-5=-16, 5-9=6

AMAINING - Verify design parameters and REAO NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MIL7473 erv. 5/18/20/0 BEFORE USE

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicidaed is to prevent buckling of individual Insus web and/or hord members.) Additional temporary and permanent bracing is always required for slability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, slorage, delivery, erection and bracing of trusses and russ systems, see

ANSIGTURE Quelity Criteria, DSB-89 and BCSI Building Component Safety Information. available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

23) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33,



and the same of th						
Job	Truss	Truss Type	Qty	Ply	DON GILMORE	1481571
DO210933	V6	GABLE	1		Job Reference (optional)	
Truss Builders, Inc., Morrisvi	le, NC		ID:iC310G5R74	lif1UmnM:	8.430 s Aug 16 2021 MiTek aZf7HvYoRf-xHpkp3LT CKO	Industries, Inc. Fri Oct 1 13:38:02 2021 Page 3 0 eLL2c0caeh8gOV0OtuOS01f7vXmRp
			10.100010001174	n romann	acirry rota a phose _orto	Telegonianogo vollogo ili yalika
LOAD CASE(S)						
		ttic Storage + 0.75(0.6 MWFRS Win	d (Neg. Int) 2nd Parallel): Lu	mber inc	rease=1.33, Plate Increase	=1.33
Uniform Loads (plf)		7.10 50 0.10 00				
	36, 5-9=-26, 1-17=-20,	17-18=-50, 9-18=-20				
Horz: 1-5=		b. Attic Storage + 0.75(0.6 MWFRS	Wind (Neg Int) Left): Lumbs	r Increas	n=1 33 Plate Increase=1 3	33
Uniform Loads (plf)		b. Attic Glorage - 0.75(0.0 MWT NO	ville (140g. 11k) Lekty. Lettibe	11101000	1.00, 1 1010 111010000 110	7
	40. 5-9=-42. 1-17=-20.	17-18=-50, 9-18=-20				
Horz: 1-5=						
26) Dead + 0.75 Roof L	ive (bal.) + 0.75 Uninha	b. Attic Storage + 0.75(0.6 MWFRS	Wind (Neg. Int) Right): Lumb	per Increa	ase=1.33, Plate Increase=1.	.33
Uniform Loads (plf)						
	42, 5-9=-40, 1-17=-20,	17-18=-50, 9-18=-20				
Horz: 1-5=						
		b. Attic Storage + 0.75(0.6 MWFRS	Wind (Neg. Int) 1st Parallel):	Lumber	Increase=1.33, Plate Increa	ase=1.33
Uniform Loads (plf)	34, 5-9=-44, 1-17=-20,	17-18=-50 9-18=-20				
Horz: 1-5=		17-10-30, 3-10-20				
		b. Attic Storage + 0.75(0.6 MWFRS	Wind (Neg. Int) 2nd Parallel	: Lumber	Increase=1.33, Plate Incre	ease=1.33
Uniform Loads (plf)						
Vert: 1-5=	44, 5-9=-34, 1-17=-20, 1	17-18=-50, 9-18=-20				
Horz: 1-5=						
		r Increase=1.15, Plate Increase=1.1	5			
Uniform Loads (plf)						
	60, 5-9=-20, 1-9=-20	s lessessed 45 Dieta lessessed 4	E			
Uniform Loads (plf)	ve (unbalanceu). Lumbe	er Increase=1.15, Plate Increase=1.1	5			
	20, 5-9=-60, 1-9=-20					
		0.75 Uninhab. Attic Storage: Lumber	Increase=1.15, Plate Increa	se=1.15		
Uniform Loads (plf)						
Vert: 1-5=-	50, 5-9=-20, 1-17=-20, 1	7-18=-50, 9-18=-20				
32) 4th Dead + 0.75 Rd	of Live (unbalanced) + (0.75 Uninhab. Attic Storage: Lumber	Increase=1.15, Plate Increa	se=1.15		
Uniform Loads (plf)						
Vert: 1-5=	20, 5-9=-50, 1-17=-20, 1	7-18=-50, 9-18=-20				



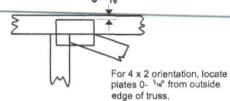
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Symbols

PLATE LOCATION AND ORIENTATION



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



This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION



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

BEARING



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

Industry Standards:

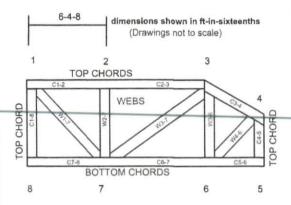
ANSI/TPI1: National Design Specification for Metal

Plate Connected Wood Truss Construction.

Design Standard for Bracing.

DSB-89: BCSI:

Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses. **Numbering System**



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer, For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.