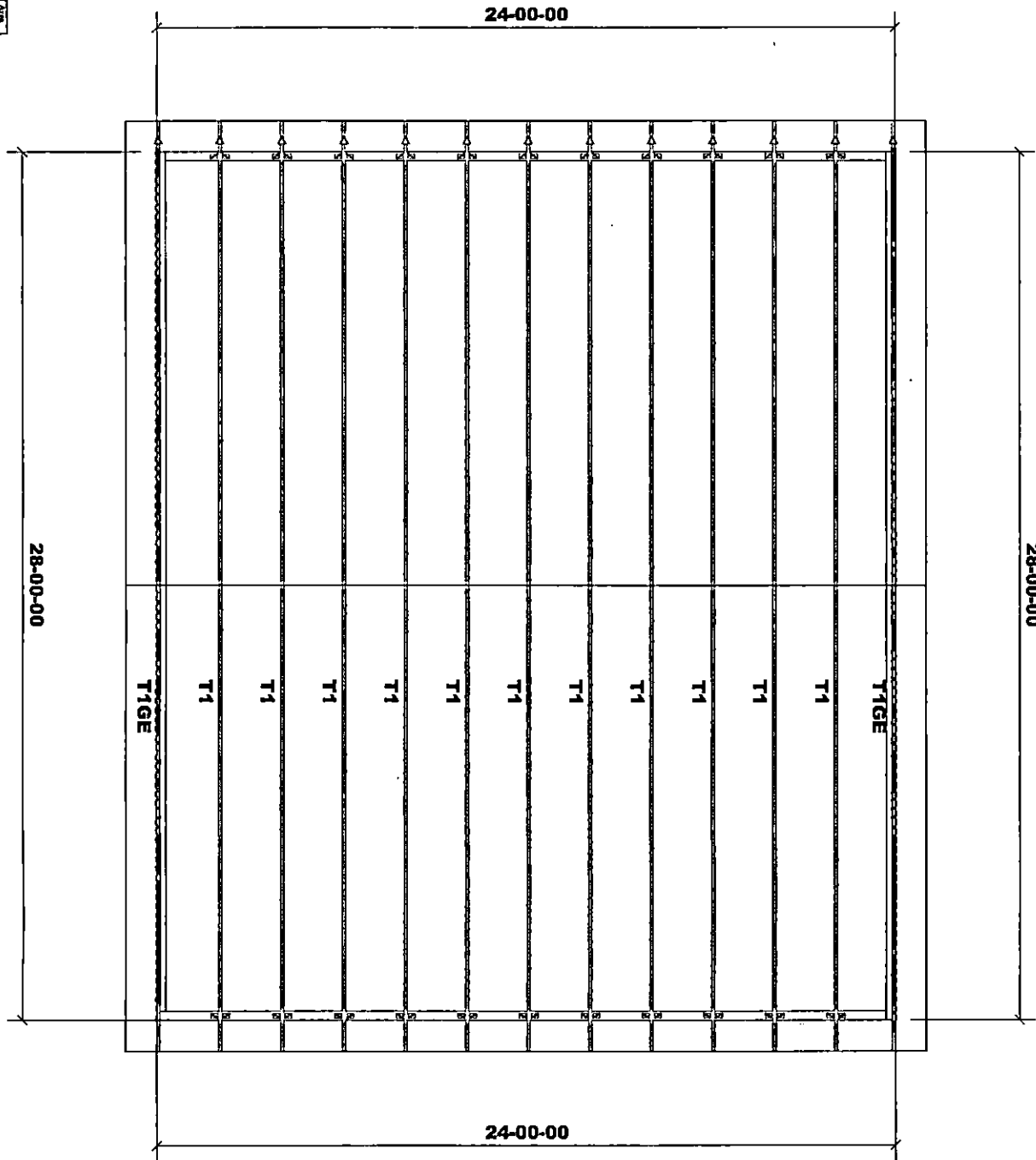


Received
01/15/19

306 East D. St.

THIS LAYOUT IS INTENDED FOR THE PURPOSE OF TRUSS LOCATION AND PLACEMENT ONLY. REFER TO THE BUILDING PLANS FOR ACTUAL BUILDING CONSTRUCTION.



Lateral Bracing
2nd Floor Bracing

GENERAL NOTES:

- DO NOT CUT OR MODIFY TRUSSES
- TRUSSES ARE SPACED 24" ON CENTER UNLESS OTHERWISE NOTED
- REFER TO THE INDIVIDUAL TRUSS DESIGN DRAWINGS FOR THE LOCATION OF LATERAL BRACING AND MULTI-PLY CONNECTION REQUIREMENTS.
- PER ANSI TP1 1-2002 THE TRUSS ENGINEER IS RESPONSIBLE FOR TRUSS TO TRUSS CONNECTIONS AND TRUSS PLY TO PLY CONNECTIONS. THIS TRUSS LAYOUT RECOMMENDS TRUSS TO BEARING CONNECTIONS AND TRUSS TO BEAM CONNECTIONS WHICH SHALL BE REVIEWED BY THE BUILDING DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO RESOLVE ALL ROOF FORCES ADEQUATELY TO THE FOUNDATION.

TOP LIVE LOAD: 20.0 psf
TOP DEAD LOAD: 10.0 psf
BOTTOM DEAD LOAD: 10.0 psf
WIND SPEED: 130 mph

PROJECT: Tommy Core Garage 910-985-2340			
CUSTOMER: 2383-Dunn			
MODEL: 28 x 24 5/12			
QUOTE #: 1900053	PRINT DATE: 1/15/2019	DRAWN BY: Rodney Evans	SCALE: N.T.S

DEDICATED TO QUALITY AND EXCELLENCE
200 EMMETT ROAD
DUNN, NORTH CAROLINA 28624
PHONE: 810-328-9200



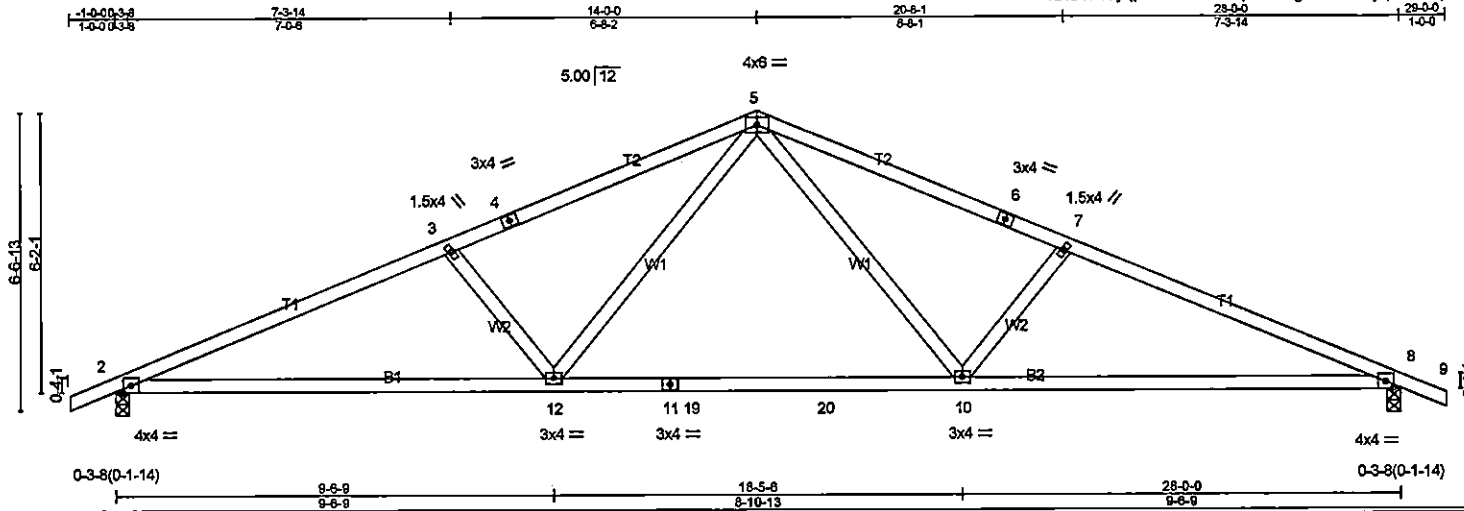
COMPONENTS

Job 1900053-1900053A	Truss T1	Truss Type Common	Qty 11	Ply 1	Tommy Core Garage
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84 Components, Dunn, NC 28334

Job Reference (optional)

8.220 a Jul 21 2018 MiTek Industries, Inc. Tue Jan 15 12:45:33 2019 Page 1
ID: B6llnYyqpNvHdcmas7Cp4lzinLg-kBCx572jIqU6dWrbpGAlYDhrvWPFH4XWAKz8g1zv730



Scale = 1:45.7

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING - 2-0-0 Plate Grip DCL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TP12014	CSL TC 0.70 BC 0.95 WB 0.30 Matrix-MS	DEFL in (loc) l/defl L/d Vert(LL) -0.23 10-12 >999 240 Vert(CT) -0.44 10-18 >763 180 Horz(CT) 0.08 8 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 122 lb FT = 20%
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LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

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

REACTIONS. (lb/size) 2=1180/0-3-8 (min. 0-1-14), 8=1180/0-3-8 (min. 0-1-14)
Max Horz 2=90(LC 11)
Max Uplift 2=83(LC 12), 8=83(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2257/393, 3-4=-2005/342, 4-5=-1917/370, 5-6=-1917/370, 6-7=-2005/342, 7-8=-2257/393
BOT CHORD 2-12=275/2045, 11-12=-102/1343, 11-19=-102/1343, 19-20=-102/1343, 10-20=-102/1343, 8-10=-278/2045
WEBS 5-10=-80/733, 7-10=-465/212, 5-12=-80/733, 3-12=-465/212

JOINT STRESS INDEX
2 = 0.77, 3 = 0.37, 4 = 0.39, 5 = 0.51, 6 = 0.39, 7 = 0.37, 8 = 0.77, 10 = 0.53, 11 = 0.63 and 12 = 0.53

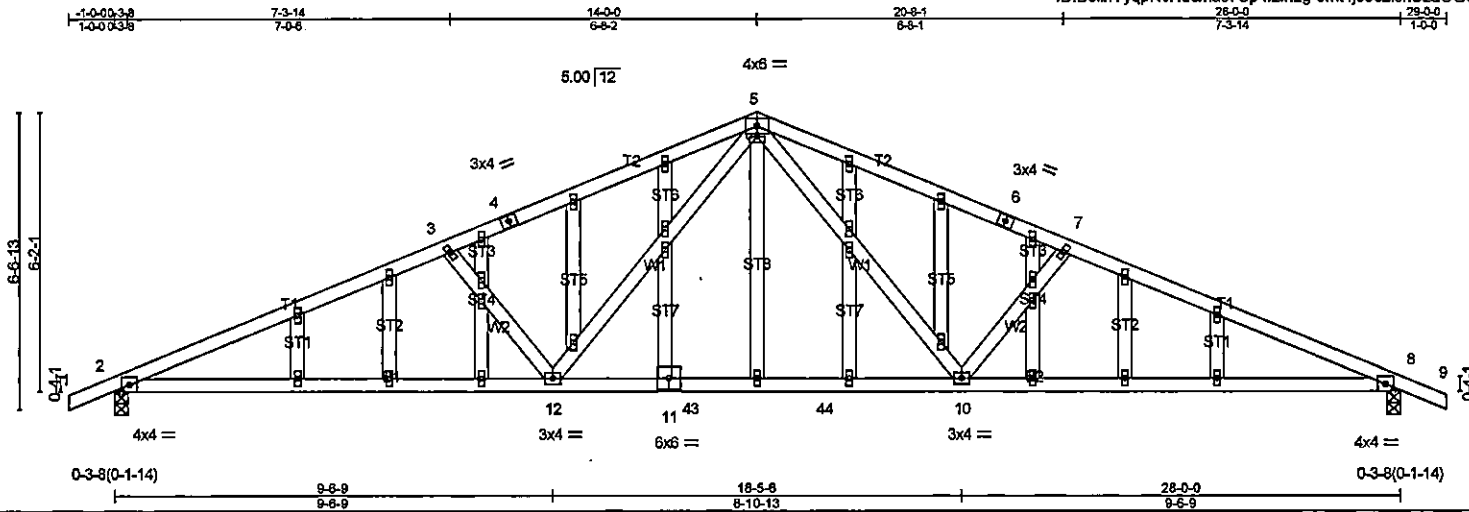
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=45ft; L=45ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.

LOAD CASE(S) Standard

Job 1900053-1900053A	Truss T1GE	Truss Type GABLE	Qty 2	Ply 1	Tommy Core Garage
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84 Components, Dunn, NC 28334

6.220 s Jul 21 2018 MiTek Industries, Inc. Tue Jan 15 12:45:36 2018 Page 1
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Scale = 1:45.7

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

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.70	In (loc) l/defl L/d	MT20	244/180
TCDL 10.0	Plate Grip DOL 1.15	BC 0.95	Vert(LL) -0.23 10-12 >999 240		
BCLL 0.0 *	Lumber DCL 1.15	WB 0.30	Vert(CT) -0.44 10-42 >763 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.08 8 n/a n/a		
	Code IRC2015/TP12014			Weight: 174 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

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

REACTIONS. (lb/size) 2=1180/0-3-8 (min. 0-1-14), 8=1180/0-3-8 (min. 0-1-14)
Max Horz 2=90(LC 11)
Max Uplift 2=83(LC 12), 8=83(LC 12)

FORCES. (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=2257/393, 3-4=2006/342, 4-5=1917/370, 5-6=1917/370, 6-7=2005/342, 7-8=2257/393
BOT CHORD 2-12=275/2045, 11-12=102/1343, 11-43=102/1343, 43-44=102/1343, 10-44=102/1343, 8-10=278/2045
WEBS 5-10=80/733, 7-10=465/212, 5-12=80/733, 3-12=465/212

JOINT STRESS INDEX
2 = 0.77, 3 = 0.37, 4 = 0.39, 5 = 0.51, 5 = 0.61, 6 = 0.39, 7 = 0.37, 8 = 0.77, 10 = 0.53, 11 = 0.44, 12 = 0.53, 13 = 0.37, 14 = 0.37, 14 = 0.37, 15 = 0.37, 16 = 0.37, 17 = 0.37, 18 = 0.37, 18 = 0.37, 19 = 0.37, 20 = 0.37, 21 = 0.37, 22 = 0.37, 23 = 0.37, 24 = 0.37, 25 = 0.37, 26 = 0.37, 27 = 0.37, 27 = 0.37, 28 = 0.37, 29 = 0.37, 30 = 0.37, 31 = 0.37, 32 = 0.37, 32 = 0.37, 33 = 0.37, 34 = 0.37, 35 = 0.37 and 36 = 0.37

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; V_{ult}=120mph (3-second gust) V_{asd}=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=45ft; L=45ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 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
 - 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.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard