Job	Truss	Truss Type	Qty	Ply	202 Racetrack Street
2306222-2306222A	T01	Roof Special	18	1	Job Reference (optional)

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Job	Truss	Truss Type	Qty	Ply	202 Racetrack Street
2306222-2306222A	T01G	Roof Special	2	1	Job Reference (optional)

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Scale = 1:50.4

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

			-									_	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	30.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.14	10-12	>999	360	MT20	197/144	
Snow (Pf/Pg)	27.7/40.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.29	9-10	>999	240			
TCDL	10.0	Rep Stress Incr	Yes	WB	0.34	Horz(CT)	0.13	8	n/a	n/a			
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	10-12	>999	240			
BCDL	10.0										Weight: 179 lb	FT = 20%	

LUMBER

BRACING TOP CHORD BOT CHORD WEBS	Sheathed, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 5-9, 3-13						
	MiTek recommends that Stabilizers and required cross bracing be						
	installed during truss erection, in accordance with Stabilizer Installation guide.						
≫n. :0=-2350/184, 4-40=-226 1575/125	60/206, 4-41=-2260/200,						
DT CHORD 13-14=-70/264, 12-13=-192/2429, 11-12=-86/1745, 10-11=-86/1745, 9-10=-167/2429, 8-9=-36/264							
EBS 4-10=-17/762, 5-10=-546/156, 5-9=-1467/149, 6-9=0/1294, 4-12=-19/762, 3-12=-546/158, 3-13=-1467/159, 2-13=-7/1294							
	BRACING TOP CHORD BOT CHORD WEBS 0wn. 10=-2350/184, 4-40=-226 1575/125 0=-167/2429, 8-9=-36/20 2, 3-12=-546/158, 3-13=						

Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C 2) Exterior(2E) -0-11-0 to 4-1-0, Interior (1) 4-1-0 to 13-3-0, Exterior(2R) 13-3-0 to 18-3-0, Interior (1) 18-3-0 to 27-5-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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 3) qualified building designer as per ANSI/TPI 1.

TCLL: ASCE 7-16; Pr=30.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=40.0 psf; Pf=27.7 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Fully Exp.; 4) Ce=0.9; Cs=1.00; 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 27.7 psf on overhangs non-concurrent with other live loads.

7) All plates are 2x4 MT20 unless otherwise indicated.

8) 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. 9)

10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Bearing at joint(s) 14, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 11)

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 14 and 76 lb uplift at joint 8. 12)

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 13)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	202 Racetrack Street	
2306222-2306222A	Т02	Roof Special Girder	4	2	Job Reference (optional)	
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Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 16 and 156 lb uplift at joint 10.

This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 12)

LOAD CASE(S) Standard

Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 13)