Job	Truss	Truss Type	Qty	Ply	Compton-Roof		
Q-2002182-1	H1	Diagonal Hip Girder	2	1	Job Reference (optional)		
Peak Truss Builders LLC, New H	ill, user	Run: 8.31 S Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Thu Sep 10 08:28:53					
			ID:8UqM	ScMNtHV58	3DB48DpkJMyfJ3u-NGqUy5UAelaluLfYrEZCGqK0GRvNsofKU	meO1nyf5vw	
	-1-5-0	4-8-3	7-9	-8	11-2-6		
	1-5-0	4-8-3	3-1	-5	3-4-13		





NAILED

NAILED

	NAILED	NAILED	NAILED	
Scale = 1:28.9	4-8-3 4-8-3	7-9-8 3-1-5	10-11-14 3-2-5	11-2-6 0-2-8
Plate Offsets (X, Y): [2:0-4-5,Edge]		I	1	

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	-0.06	10-13	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.12	10-13	>999	180			
BCLL	0.0*	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.02	8	n/a	n/a			
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 50 lb	FT = 20%	

LUMBER		BRACING	
TOP CHORD	2x4 SP No.1	TOP CHORD	Structural wood sheathing directly applied or 4-3-9 oc purlins,
BOT CHORD	2x4 SP No.1		except end verticals.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(Ib/size) 2=631/0-7-12, (min. 0-1-8), 8=661/ Mechanical, (min. 0-1-8)		MiTek recommends that Stabilizers and required cross bracing be
	Max Horiz 2=70 (LC 19)		Installed during truss erection, in accordance with Stabilizer
	Max Uplift 2=-97 (LC 7), 8=-47 (LC 3)		Installation guide.

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

TOP CHORD 2-14=-1926/97, 3-14=-1917/101, 3-15=-1199/64, 4-15=-1187/70

2-17=-109/1888, 10-17=-109/1888, 10-18=-109/1888, 9-18=-109/1888, 9-19=-67/1169, 8-19=-67/1169 BOT CHORD

WEBS 3-9=-745/50, 4-9=0/362, 4-8=-1229/79

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; cave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); 1) cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

* 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 2) any other members.

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

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 2 and 47 lb uplift at joint 8. 4)

This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1. 5)

"NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines. 6)

LOAD CASE(S) Standard

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

Uniform Loads (lb/ft)

Vert: 1-5=-60, 5-6=-20, 7-11=-20

Concentrated Loads (lb)

Vert: 15=-21, 16=-133, 17=-15, 18=-49, 19=-102

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	T1	Roof Special	6	1	Job Reference (optional)

 Run: 8.31 S
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Scale = 1:86.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.10	14-29	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.21	14-29	>845	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 271 lb	FT = 20%

LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.1 2x4 SP No.1 2x4 SP No.3	BRACING TOP CHORD BOT CHORD WEBS	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing. 1 Row at midpt 6-18
REACTIONS AI (Ib) - M	l bearings 0-5-8. ax Uplift All uplift 100 (lb) or less at joint(s) except 15=-215 (LC 11), 21=-204 (LC 11)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
M	ax Grav All reactions 250 (lb) or less at joint(s) except 15=1754 (LC 1), 21=1650 (LC 1)		
FORCES TOP CHORD	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when show 2-30=-541/53, 3-30=-504/63, 3-4=-51/596, 4-5=-42/667, 5-6=-400/109, 6- 8-32=-557/151, 8-9=-394/116, 9-10=-608/142, 10-11=-693/125, 11-33=-63	n. 31=-572/143, 7-31=-44 7/84, 12-33=-673/73	3/183, 7-32=-443/191,
BOT CHORD	2-23=-9/502, 22-23=-9/502, 21-22=-9/502, 20-21=-830/176, 19-20=0/397, 15-16=-850/182, 14-15=-556/129, 12-14=-25/626	18-19=0/397, 17-18=0	/347, 16-17=-850/182,
WEBS	3-21=-1098/150, 5-21=-1268/232, 5-20=-152/1349, 6-20=-548/148, 8-17= 9-14=-175/1299, 11-14=-434/162	-549/138, 9-17=-144/1	351, 9-15=-1650/297,
NOTES 1) Unbalanced 2) Wind: ASCI	d roof live loads have been considered for this design. E 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0	psf; h=30ft; B=20ft; L=5	52ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional)

2) Wind. ASEE 7-10, Volte 120mph (5-second gust) vasa-sompti, TCL=0.0pst, BCDL=0.0pst, B=20t, L=0.2t, Eave=0t, Cat. II, Exp B, Enclosed, MWFRS (directional and C-C Exterior (2) -1-0-0 to 4-2-5, Interior (1) 4-2-5 to 25-1-12, Exterior (2) 25-1-12 to 30-4-1, Interior (1) 30-4-1 to 52-11-0 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

3) * 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.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12 except (jt=lb) 21=203, 15=214.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	T1A	Roof Special	19	1	Job Reference (optional)

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Scale = 1:88.8

Plate Offsets (X, Y): [15:0-5-4,0-2-8], [19:0-5-4,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.11	14-26	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.23	14-26	>782	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	12	n/a	n/a			
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 254 lb	FT = 20%	

LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.1 2x4 SP No.1 2x4 SP No.3	BRACING TOP CHORD BOT CHORD WEBS	Structural wood sheathing directly applied or 6-0-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 18-19,15-16. 1 Row at midot 11-15
(lb) - N	M bearings 0-5-8. Max Uplift All uplift 100 (lb) or less at joint(s) except 15=-213 (LC 11), 19=-202 (LC 11) Max Grav All reactions 250 (lb) or less at joint(s) except 15=1819 (LC 1),		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES	19=1694 (LC 1) (Ib) - Max, Comp (Max, Ten - All forces 250 (Ib) or less except when sho	W/D	

TOP CHORD 2-27=-314/87, 3-27=-278/103, 3-4=-52/881, 4-5=-43/959, 6-28=-609/31, 7-28=-481/71, 7-29=-487/78, 8-29=-593/39,

9-10=-35/1003, 10-11=-46/914, 11-30=-401/88, 12-30=-436/77 BOT CHORD 2-20=-31/281, 19-20=-31/281, 18-19=-998/168, 17-18=0/312, 15-16=-1038/171, 14-15=-30/395, 12-14=-30/395 WEBS 3-19=-1153/159, 5-19=-969/161, 5-18=-75/1175, 6-18=-627/132, 8-16=-633/116, 9-16=-58/1195, 9-15=-1029/179,

11-15=-1302/178

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=52ft; eave=6ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 4-2-5, Interior (1) 4-2-5 to 25-1-12, Exterior (2) 25-1-12 to 30-4-1, Interior (1) 30-4-1 to 52-11-0 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

3) * 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.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12 except (jt=lb) 19=202, 15=213.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	T1GE	Roof Special Supported Gable	2	1	Job Reference (optional)

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Scale = 1:86.8

Plate Offsets (X, Y): [15:0-3-0,Edge] Loading Spacing 2-0-0 CSI DEFL in l/defl L/d PLATES GRIP (psf) (loc) Plate Grip DOL 244/190 TCLL (roof) 20.0 1.15 TC 0.17 Vert(LL) n/a n/a 999 MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.18 Vert(CT) n/a 999 n/a BCLL 0.0 Rep Stress Incr YES WB 0.14 Horz(CT) 0.02 28 n/a n/a BCDL IBC2015/TPI2014 Matrix-MS Weight: 285 lb FT = 20% 10.0 Code LUMBER BRACING TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD 2x4 SP No.1 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SP No.3 WEBS OTHERS 1 Row at midpt 14-42, 16-41 MiTek recommends that Stabilizers and required cross bracing be REACTIONS All bearings 51-11-0. installed during truss erection, in accordance with Stabilizer (lb) - Max Horiz 2=-154 (LC 9) Installation guide. Max Uplift All uplift 100 (lb) or less at joint(s) 30, 31, 32, 33, 34, 35, 37, 38, 45, 47, 48, 49, 50, 51, 52, 2 except 40=-106 (LC 11), 43=-107 (LC 11)

 Max Grav
 All reactions 250 (lb) or less at joint(s) 31, 32, 33, 34, 35, 37, 38, 39, 40, 43, 45, 46, 47, 48, 49, 50, 51, 2, 28 except 30=382 (LC 21), 41=294 (LC 17), 42=308 (LC 16), 52=420 (LC 20)

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

 SOT CHORD
 2-53=-108/292, 52-53=-108/292, 51-52=-108/292, 40-41=-108/292, 49-50=-108/292, 41-42=-108/292, 40-41=-108/292, 46-47=-108/292, 45-46=-108/292, 44-45=-108/292, 42-43=-108/292, 41-42=-108/292, 40-41=-108/292, 39-40=-108/292, 38-39=-106/291, 36-37=-106/291, 35-36=-106/291, 34-35=-106/291, 32-33=-106/291, 32-33=-106/291, 31-32=-106/291, 30-31=-106/291, 28-30=-106/291

WEBS

NOTES

1) Unbalanced roof live loads have been considered for this design.

3-52=-274/153, 27-30=-250/145

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=52ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 4-2-5, Exterior (2) 4-2-5 to 25-1-12, Corner (3) 25-1-12 to 30-4-1, Exterior (2) 30-4-1 to 52-11-0 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

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) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 2-0-0 oc.

7) * 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, with BCDL = 10.0psf.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 45, 47, 48, 49, 50, 51, 52, 38, 37, 35, 34, 33, 32, 31, 30 except (jt=lb) 43=106, 40=105.

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	T2GRD	Hip Girder	1	2	Job Reference (optional)

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-1-0-0	4-6-0	7-11-0	12-3-12	16-8-8	20-1-8	24-7-8	25-7-8
1-0-0	4-6-0	3-5-0	4-4-12	4-4-12	3-5-0	4-6-0	1-0-0



Scale = 1:45.9

Plate Offsets	(X, Y): [2:0-5-4,0-0-12	2], [4:0-4-0,0-1-12], [6	::0-4-0,0-1-12], [8:0-5-4	,0-0-12], [11:0-	4-0,0-4-12],	[13:0-5-0,0	-4-8]					
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.30	12	>957	240	MT20HS	187/143
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.59	12	>494	180	MT20	244/190
BCLL	0.0*	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS							Weight: 258 lb	FT = 20%
LUMBER TOP CHORI BOT CHORI	D 2x4 SP No.1 D 2x6 SP No.1		BRACING TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc except							1-1-6 oc purlins,		
WEBS	VEBS 2x4 SP No.3						2-0-0 o	c purlins	s (4-0-3	max.):	4-6.	
REACTIONS	6 (Ib/size) 2=2538/0 Max Horiz 2=26 (LC Max Uplift 2=-381 (L))	BOT CH	ORD	Rigid ceiling directly applied or 10-0-0 oc bracing.							
FORCES TOP CHORE	(Ib) - Max. Com 2-3=-8884/120 6-7=-9038/126	np./Max. Ten All for 9, 3-4=-8919/1258, 4 8, 7-8=-8790/1196	ces 250 (lb) or less exc l-19=-9388/1317, 5-19=	ept when show -9390/1317, 5	vn. -20=-9166/1	287, 6-20=-	-9164/128	87,				
BOT CHORE	2-14=-1129/85 12-24=-1449/1	85, 14-21=-1129/858 0535, 24-25=-1449/1	5, 13-21=-1129/8585, 1 0535, 11-25=-1449/10	3-22=-1449/10 335. 11-26=-11)535, 22-23 18/8496, 10	=-1449/1053 -26=-1118/8	35, 12-23 496, 8-10	=-1449))=-1118	/10535, /8496			
WEBS	3-13=-317/362	, 4-13=-229/1979, 5-	13=-1386/261, 5-12=-8	7/664, 5-11=-1	615/290, 6-	11=-220/191	12, 7-11=-	303/56	7			
NOTES												
1) 2-ply tru Top cho Bottom Web co	uss to be connected to ords connected as follo chords connected as f unnected as follows: 2x	gether with 10d (0.13 ws: 2x4 - 1 row at 0- ollows: 2x6 - 2 rows 4 - 1 row at 0-9-0 oc	1"x3") nails as follows: 9-0 oc. staggered at 0-9-0 oc. Except member 6-11 2	2x4 - 1 row at 0)-5-0 oc							
2) All load distribut	s are considered equal te only loads noted as	Ily applied to all plies (F) or (B), unless oth	, except if noted as from erwise indicated.	nt (F) or back (F	B) face in th	e LOAD CA	SE(S) se	ction. P	ly to ply	conne	ctions have beer	n provided to
3) Unhala	nced roof live loads ha	ve been considered										

4) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60

5) Provide adequate drainage to prevent water ponding.

6) All plates are MT20 plates unless otherwise indicated.

7) * 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.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 2 and 379 lb uplift at joint 8.

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

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

11) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 8-8-12 oc max. starting at 7-11-6 from the left end to 16-8-2 to connect truss(es) T3 (1 ply 2x4 SP), H1 (1 ply 2x4 SP), T3 (1 ply 2x4 SP), H1 (

12) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-11-12 from the left end to 14-7-12 to connect truss (es) T3 (1 ply 2x4 SP) to front face of bottom chord.

13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (lb/ft)

Job	Truss	Truss Type	Qty	Ply	Compton-Roof	
Q-2002182-1	T2GRD	Hip Girder	1	2	Job Reference (optional)	
Peak Truss Builders LLC, New H	Hill, user	Sep 9 2019 MiTek Industries, Inc. Thu Sep 10 08:28:55	Page: 2			

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Vert: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20 Concentrated Loads (Ib)

Vert: 11=-287, 21=-919, 22=-287, 23=-287, 24=-287, 25=-287, 26=-633

Job	Truss	Truss Type Qty Ply Compton-Roof		Compton-Roof		
Q-2002182-1	Т3	Jack-Closed	6	1	Job Reference (optional)	
Peak Truss Builders LLC, New F	lill, user	Run: 8.41 S 8.31 Se	p 9 2019 Pr	int: 8.310 S	Sep 9 2019 MiTek Industries, Inc. Thu Sep 10 08:28:56 P	age: 1

Run: 8.41 S 8.31 Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Thu Sep 10 08:28:56 Page: 1 ID:B5ib2wL7LfFOuv2i0onGDxyfJ3w-jDdN?pYJTHCb_6YVeo9Nzu1m9SbcX8L3e1L9j_yf5vr





Scale = 1:27.9

Plate Offsets (X, Y): [2:0	late Offsets (X, Y): [2:0-2-0,Edge]													
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.15	4-7	>630	240	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.33	4-7	>279	180				
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a				
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 28 lb	FT = 20%		

LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.1 2x4 SP No.1 2x4 SP No.3	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	(Ib/size) 2=375/0-5-8, (min. 0-1-8), 4=307/ Mechanical, (min. 0-1-8) Max Horiz 2=66 (LC 10) Max Uplift 2=-72 (LC 11), 4=-39 (LC 11)		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 7-9-4 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

2) * 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.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 4 and 72 lb uplift at joint 2.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

7-11-0

Job	Truss	Truss Type	Qty	Ply	Compton-Roof	
Q-2002182-1	Т4	Jack-Open	2	1	Job Reference (optional)	
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Scale = 1:26.4			<u>}</u>		5-11-7				\rightarrow			
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.Ó	Plate Grip DOL	1.15	тс	0.36	Vert(LL)	-0.05	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.11	4-7	>649	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 20 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1

BOT CHORD 2x4 SP No.1

 REACTIONS
 (Ib/size)
 2=301/0-5-8, (min. 0-1-8), 3=151/ Mechanical, (min. 0-1-8), 4=79/ Mechanical, (min. 0-1-8)

 Max Horiz
 2=62 (LC 11)
 Max Uplift
 2=-61 (LC 11), 3=-49 (LC 11)

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

NOTES

 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 5-10-11 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

2) * 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.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 61 lb uplift at joint 2.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-11-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

	Job	Truss	Truss Type	Qty	Ply	Compton-Roof	
	Q-2002182-1	T4A	Jack-Open	2	1	Job Reference (optional)	
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Scale = 1:26.4			<u>}</u>		5-11-7				\rightarrow			
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.36	DEFL Vert(LL)	in -0.05	(loc) 4-7	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
TCDL BCU	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.31 0.00	Vert(CT) Horz(CT)	-0.11 0.00	4-7 3	>649 n/a	180 n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP	0.00						Weight: 20 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1

BOT CHORD 2x4 SP No.1

 REACTIONS
 (Ib/size)
 2=301/0-5-8, (min. 0-1-8), 3=151/ Mechanical, (min. 0-1-8), 4=79/ Mechanical, (min. 0-1-8)

 Max Horiz
 2=62 (LC 11)
 Max Uplift
 2=-61 (LC 11), 3=-49 (LC 11)

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

NOTES

 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 5-10-11 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

2) * 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.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 3 and 61 lb uplift at joint 2.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-11-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	Т5	Jack-Open	2	1	Job Reference (optional)

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Scale = 1.24.9			3-11-7										
				1				1					
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	4-7	>999	180			
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a			
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 14 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 SP No.1

BOT CHORD 2x4 SP No.1

Peak Truss Builders LLC, New Hill, user

 REACTIONS
 (lb/size)
 2=223/0-5-8, (min. 0-1-8), 3=95/ Mechanical, (min. 0-1-8), 4=53/ Mechanical, (min. 0-1-8)

 Max Horiz
 2=45 (LC 11) Max Uplift
 2=-55 (LC 11), 3=-29 (LC 11)

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

NOTES

 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 3-10-11 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

2) * 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.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 3 and 55 lb uplift at joint 2.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 3-11-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	T5A	Jack-Open	2	1	Job Reference (optional)

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Scale = 1:24.9				/	3-11-7			ł					
Loading TCLL (roof) TCDL BCLL BCDI	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.15 1.15 YES IBC2015/TPI2014	CSI TC BC WB Matrix-MP	0.13 0.13 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.02 n/a	(loc) 4-7 4-7 -	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190 FT = 20%	

LUMBER

TOP CHORD 2x4 SP No.1

2x4 SP No.1 BOT CHORD

Peak Truss Builders LLC, New Hill, user

REACTIONS (lb/size) 2=223/0-5-8, (min. 0-1-8), 3=95/ Mechanical, (min. 0-1-8), 4=53/ Mechanical, (min. 0-1-8) Max Horiz 2=45 (LC 11) Max Uplift 2=-55 (LC 11), 3=-29 (LC 11)

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

NOTES

Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) 1) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 3-10-11 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

2) * 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.

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

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 3 and 55 lb uplift at joint 2. 4)

This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1. 5)

LOAD CASE(S) Standard BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 3-11-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	Т6	Jack-Open	2	1	Job Reference (optional)

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	-1-0-0	1-11-7	
/	1-0-0	1-11-7	

3





3x4=

Scale = 1:23.3					1-11-	7	ł						
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.15	CSI TC	0.05	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190	
TCDL BCLL	10.0 0.0*	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.02	Vert(CT) Horz(CT)	0.00 n/a	7	>999 n/a	180 n/a		211,100	
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP		()					Weight: 8 lb	FT = 20%	

LUMBER

TOP CHORD 2x4 SP No.1

BOT CHORD 2x4 SP No.1

REACTIONS (lb/size) 2=153/0-5-8, (min. 0-1-8), 3=38/ Mechanical, (min. 0-1-8), 4=24/ Mechanical, (min. 0-1-8) Max Horiz 2=28 (LC 11) Max Uplift 2=-52 (LC 11), 3=-7 (LC 11)

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

NOTES

 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 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

2) * 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.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 3 and 52 lb uplift at joint 2.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-11-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

Job	Truss	Truss Type	Qty	Ply	Compton-Roof
Q-2002182-1	T6A	Jack-Open	2	1	Job Reference (optional)

Run: 8.41 S 8.31 Sep 9 2019 Print: 8.310 S Sep 9 2019 MiTek Industries, Inc. Thu Sep 10 08:28:56 Page: 1 ID:B5ib2wL7LfFOuv2i0onGDxyfJ3w-jDdN?pYJTHCb_6YVeo9Nzu1w8Sj3X8L3e1L9j_yf5vr

			ID.DOIDZWL	
	-1-0-0	1-11-7		
/	1-0-0	1-11-7	/	

3





3x4=

Scale = 1:23.3					1-11-	7	ł					
Loading	(psf)	Spacing	2-0-0	CSI	-	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	7	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MP							Weight: 8 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.1

BOT CHORD 2x4 SP No.1

REACTIONS (lb/size) 2=153/0-5-8, (min. 0-1-8), 3=38/ Mechanical, (min. 0-1-8), 4=24/ Mechanical, (min. 0-1-8) Max Horiz 2=28 (LC 11) Max Uplift 2=-52 (LC 11), 3=-7 (LC 11)

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

NOTES

 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; B=20ft; L=20ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 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

2) * 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.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 3 and 52 lb uplift at joint 2.

5) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-11-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.