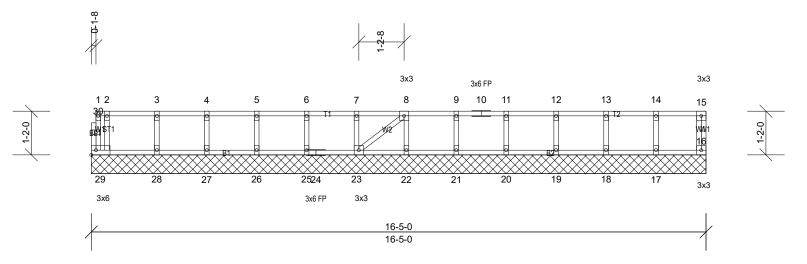
Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F01	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:16 Page: 1 ID:MIJ2KKBYZpBWKx83rzg9ChzzQlk-CPU?ybrnQaSjJw0QBqLmisxfEoWrag4?LCyJSPzzQNe



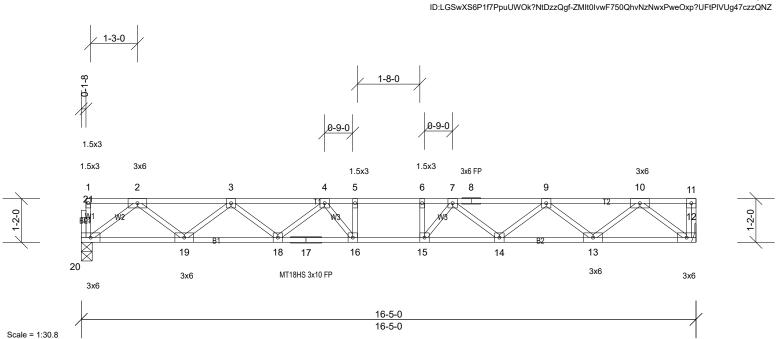
Scale = 1:30.8

		1										
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S		. ,					Weight: 72 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.2(flat)											
BOT CHORD												
WEBS	2x4 SP No.2(flat)											
OTHERS	2x4 SP No.2(flat)											
BRACING												
TOP CHORD												
	6-0-0 oc purlins, except end verticals.											
BOT CHORD												
	bracing.											
PEACTIONS	All bearings 16-5-0.											
	0	ons 250 (lb) or less at	ioint									
- (u)		7, 18, 19, 20, 21, 22, 2										
	25, 26, 27		0,									
FORCES		lax. Ten All forces 2	50									
TOROLO	(lb) or less except w		50									
NOTES												
	are 1.5x3 MT20 unles	s otherwise indicated										
, ,	All plates are 1.5x3 MT20 unless otherwise indicated. Gable requires continuous bottom chord bearing.											
	Truss to be fully sheathed from one face or securely											
	braced against lateral movement (i.e. diagonal web).											
	Gable studs spaced at 1-4-0 oc.											
	is designed in accord											
Internation	nal Residential Code	sections R502.11.1 an	ld									
R802.10.2	2 and referenced stan	dard ANSI/TPI 1.										

- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	1F02	Floor	8	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	8.620 S Oct	13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:18	Page: 1		

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:18



Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.23	15-16	>847	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.95	Vert(CT)	-0.31	15-16	>616	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%F, 11%E

LUMBER

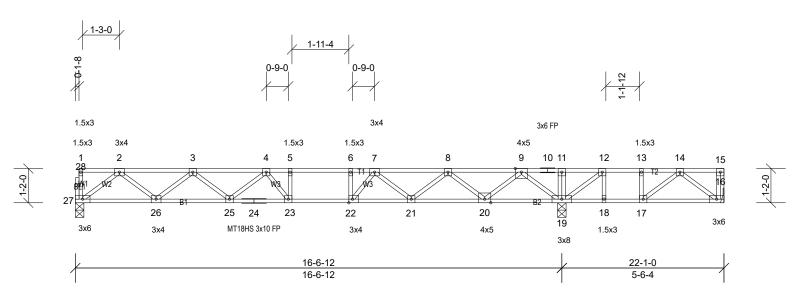
TOP CHORD BOT CHORD	2x4 SP No.2(flat) 2x4 SP No.2(flat)
WEBS OTHERS	2x4 SP No.2(flat) 2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
REACTIONS	(lb/size) 12=889/ Mechanical, (min. 0-1-8), 20=883/0-3-8, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
TOP CHORD	(lb) or less except when shown. 2-3=-1845/0, 3-4=-2947/0, 4-5=-3410/0, 5-6=-3410/0, 6-7=-3410/0, 7-8=-2947/0,
BOT CHORD	8-9=-2947/0, 9-10=-1846/0 19-20=0/1100, 18-19=0/2556, 17-18=0/3312, 16-17=0/3312, 15-16=0/3410, 14-15=0/3312, 13-14=0/2556, 12-13=0/1101
WEBS	2-20=-1377/0, 10-12=-1381/0, 2-19=0/970, 10-13=0/969, 3-19=-926/0, 9-13=-925/0, 3-18=0/509, 9-14=0/509, 4-18=-475/0, 7-14=-475/0, 4-16=-158/487, 7-15=-158/487, 5-16=-292/69, 6-15=-292/69

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated. 2)
- 3) All plates are 3x3 MT20 unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 5) 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.
- Recommend 2x6 strongbacks, on edge, spaced at 6) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 7) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F03	Floor	2	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:19 Page: 1 ID:AnSJeZDUbdbUEtx0DL8j4QzzQfE-1YsGDewY0QDt2rTaX4RAy7BUMDM6_Ktuk8Pef2zzQNY



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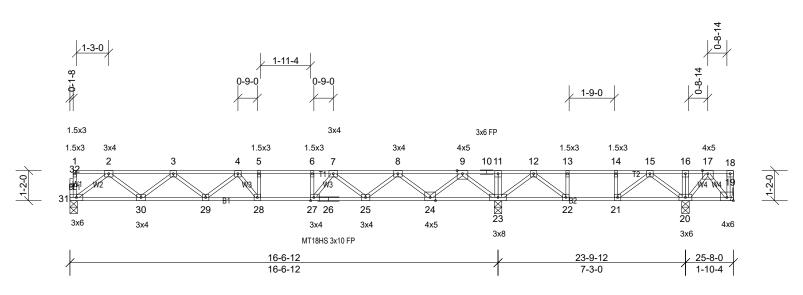
Plate Offsets (X, Y): [22:0-1-8,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.00 YES IRC2018/TPI2014	CSI TC BC WB Matrix-S	0.87 0.86 0.32	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.29 0.04	(loc) 23-25 23-25 19	l/defl >944 >685 n/a	L/d 480 240 n/a	PLATES MT18HS MT20 Weight: 112 lb	GRIP 244/190 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.2(flat) *E (flat) 2x4 SP No.2(flat) *E (flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 6-0-0 oc purlins, ep Rigid ceiling directly	Except* T2:2x4 SP No.1 Except* B2:2x4 SP No.1 eathing directly applied of coept end verticals.	 5) Provide mechanism pearing plate 16. 6) This truss is International R802.10.2 a 7) Recommend 10-00-00 oc (0.131" X 3", at their outer 8) CAUTION, E 	hanical connection e capable of withsta designed in accorc Residential Code s nd referenced stan I 2x6 strongbacks, and fastened to ea o nails. Strongback ends or restrained to not erect truss b	anding 2 lance w sections dard AN on edge ch truss s to be by oth	207 Ib uplift a ith the 2018 s R502.11.1 a ISI/TPI 1. e, spaced at s with 3-10d attached to v er means.	it joint and					
	Rigid ceiling directly applied or 6-0-0 oc bracing. b) CAUTION, but not elect thus backwards. LOAD CASE(S) Standard IS (lb/size) 16=16/ Mechanical, (min. 0-1-8), 19=1573/0-3-8, (min. 0-1-8), 27=806/0-3-8, (min. 0-1-8), 27=806/0-3-8, (min. 0-1-8), 27=809 (LC 4), 19=1573 (LC 1), 27=809 (LC 10) Standard Max Grav 16=229 (LC 4), 19=1573 (LC 1), 27=809 (LC 10) Nax. Comp./Max. Ten All forces 250 (lb) or less except when shown. Standard											
8-9=-713/0, 9-10=0/1535, 10-11=0/1535, 11-12=0/1535, 12-13=-145/805, 13-14=-145/805 BOT CHORD 26-27=0/1002, 25-26=0/2283, 24-25=0/2847, 23-24=0/2847, 22-23=0/2820, 21-22=0/2558, 20-21=0/1540, 19-20=-275/0, 18-19=-805/145, 17-18=-805/145, 16-17=-308/211 WEBS 12-19=-1164/0, 14-16=-264/387,												
, this desigr	2-27=-1254/0, 9-19=-1590/0, 2-26=0/852, 9-20=0/1151, 3-26=-815/0, 8-20=-1090/0, 3-25=0/405, 8-21=0/667, 4-25=-337/0, 7-21=-683/0, 4-23=-264/322, 7-22=0/659, 6-22=-383/0, 14-17=-634/0, 13-17=0/264 DTES Unbalanced floor live loads have been considered for this design. All plates are MT20 plates unless otherwise indicated.											

- All plates are MT20 plates unless otherwise indicated. All plates are 3x3 MT20 unless otherwise indicated. All plates are MT20 plates unless otherwise india
 All plates are 3x3 MT20 unless otherwise indica
 Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F04	Floor	2	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:19 Page: 1 ID:kHAC6MGVoYuW?rMUdKgLQ3zzQcb-1YsGDewY0QDI2rTaX4RAy7BTkDNC_Jiuk8Pef2zzQNY



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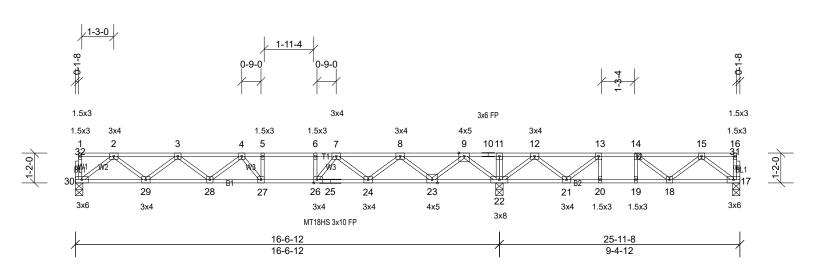
Plate Offsets (X, Y): [19:Edge,0-1-8], [27:0-1-8,Edge]

											_	_
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00		.91	Vert(LL)	-0.21	28-29	>953	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00		.79	Vert(CT)	-0.28	28-29	>695	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES		.33	Horz(CT)	0.04	23	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S	.00	11012(01)	0.04	20	n/a	n/a	Weight: 132 lb	FT = 20%F, 11%E
		Code									Weight. 152 lb	
LUMBER			5) Provide med	hanical connection (by	v oth	ers) of truss	to					
TOP CHORD	2x4 SP No.2(flat)			e capable of withstandi								
BOT CHORD	()	Event* P2:2v4 SD No 2	19.				. joint					
BOTCHORD	(flat)	Except* B2:2x4 SP No.2		designed in accordance	ce wi	ith the 2018						
WEBS	2x4 SP No.2(flat)		,	Residential Code sec			and					
OTHERS	2x4 SP No.2(flat)			nd referenced standar			and					
	214 OF NO.2(IIal)			2x6 strongbacks, on e								
BRACING			, 10-00-00 oc	and fastened to each								
TOP CHORD		eathing directly applied o) nails. Strongbacks to			valls					
	2-2-0 oc purlins, ex			r ends or restrained by			Tano					
BOT CHORD	Rigid ceiling directly	y applied or 6-0-0 oc		Do not erect truss back								
	bracing.		LOAD CASE(S)		marc							
REACTIONS	All hearings 0-3-8 e	xcept 19= Mechanical	LUAD CASE(S)	Stanuaru								
		100 (lb) or less at joint(s)										
(10) -		9=-574 (LC 3)										
		ons 250 (lb) or less at joi	int									
		cept 20=1040 (LC 14),	in									
		(LC 3), 31=802 (LC 5)										
FORCES												
FORCES		lax. Ten All forces 250										
	(lb) or less except v											
TOP CHORD		2558/0, 4-5=-2760/0,										
	,	2760/0, 7-8=-1963/0,										
		/1665, 10-11=0/1665,										
	11-12=0/1665, 12-1											
	13-14=-139/982, 14	,										
	15-16=0/1054, 16-1											
BOT CHORD	,)=0/2255, 28-29=0/2800										
		27=0/2485, 25-26=0/248										
	,	24=-430/0, 22-23=-1272/	,									
	,)-21=-831/0, 19-20=-488										
WEBS		0=-482/49, 12-22=0/565	,									
	15-21=-193/253, 13											
		=-1549/0, 2-30=0/840,										
	,	-804/0, 8-24=-1113/0,										
	3-29=0/395, 8-25=0											
		-305/285, 7-27=0/698,										
NOTEO	17-19=0/704, 17-20)=-878/0, 6-27=-406/0										
NOTES												
,		e been considered for										
this design												
		ss otherwise indicated.										
All plates:	are 3x3 MT20 unless	otherwise indicated										

All plates are 3x3 MT20 unless otherwise indicated.
 Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F05	Floor	7	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:20 Page: 1 ID:OD211Le?yaFKhM4PIHj425zzQap-VIQeQ_wAnkLkf_2m5ozPULketdjHjmy1yo9BCVzzQNX



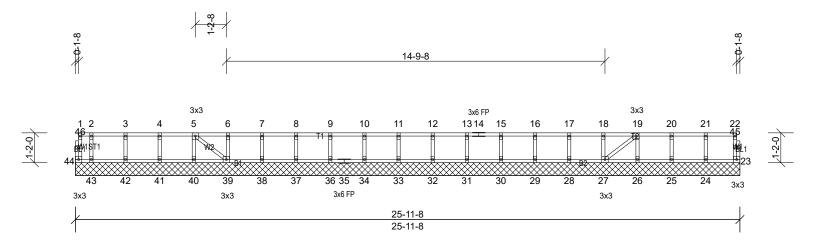
Scale = 1:45

Plate Offsets (X, Y): [26:0-1-8,Edge]

- (-									_	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.95	Vert(LL)	-0.21	27-28	>958	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.28	27-28	>699	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.04	30	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S		(-)					Weight: 130 lb	FT = 20%F, 11%E
BCDL LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2(flat) 2x4 SP No.1(flat) *E (flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) Structural wood she 2-2-0 oc purlins, ex Rigid ceiling directly bracing. (lb/size) 17=291/0	Except* B2:2x4 SP No.2 eathing directly applied of coept end verticals. y applied or 6-0-0 oc I-3-8, (min. 0-1-8),	 5) This truss is International R802.10.2 a 6) Recommenton 10-00-00 oc (0.131" X 3" at their oute 7) CAUTION F 	designed in accor Residential Code nd referenced star 2 2x6 strongbacks, and fastened to ea) nails. Strongbacl r ends or restraine Do not erect truss to	sections ndard AN on edge ach truss ks to be d by othe	R502.11.1 a NSI/TPI 1. e, spaced at s with 3-10d attached to v er means.					Weight: 130 lb	FT = 20%F, 11%E
	30=778/0 Max Uplift 17=-51 (L	LC 4), 22=1747 (LC 1),										
FORCES	(lb) - Max. Comp./N	lax. Ten All forces 250	1									
TOP CHORD	5-6=-2688/0, 6-7=-2 8-9=-483/94, 9-10= 11-12=0/1917, 12-1 13-14=-776/527, 14	2514/0, 4-5=-2688/0, 2688/0, 7-8=-1864/0, 0/1917, 10-11=0/1917, 3=-361/952, -15=-677/229										
BOT CHORD	26-27=0/2688, 25-2 23-24=0/1338, 22-2 20-21=-527/776, 19 18-19=-527/776, 17	-18=-66/513	8, /0,									
WEBS	14-18=-127/380, 13 14-19=-261/0, 13-2 2-30=-1227/0, 9-23 8-23=-1139/0, 3-29 3-28=0/382, 7-24=-	0=0/283, 9-22=-1578/0, =0/1182, 2-29=0/825, =-791/0, 8-24=0/709,	8,									
NOTES	d floor live loads have	e been considered for										
this design												
		ss otherwise indicated.										
	are 3x3 MT20 unless											
		(by others) of truss to										
bearing pla 17.	ate capable of withsta	anding 51 lb uplift at join	t									

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F06	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:20 Page: 1 ID:20JG7F_B7UvDfqnzVsktjCzzQaM-VIQeQ_wAnkLkf_2m5ozPULkrTdvejrp1yo9BCVzzQNX



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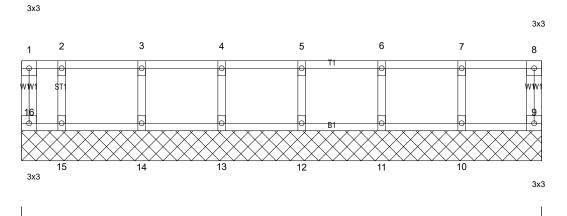
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.08	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.00	Vert(TL)	n/a	-	n/a	999	WI 20	244/130
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 112 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING	2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat) 2x4 SP No.2(flat)											
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	eathing directly applied cept end verticals.	or									
BOT CHORD	bracing, Except:	y applied or 6-0-0 oc 26-27,25-26,24-25,23-2	24.									
	All bearings 25-11-8. Max Uplift All uplift 1 44	100 (Ib) or less at joint(s	;)									
	Max Grav All reactio (s) 23, 24	ons 250 (lb) or less at jo , 25, 26, 27, 28, 29, 30 3, 34, 36, 37, 38, 39, 40 3, 44	,									
FORCES	(lb) - Max. Comp./M (lb) or less except w	lax. Ten All forces 25	0									
NOTES	(ID) of less except w	/nen snown.										
 2) Gable required 3) Truss to be braced again 	uires continuous botton fully sheathed from	one face or securely nt (i.e. diagonal web).										
		(by others) of truss to anding 100 lb uplift at jo	int									
6) This truss Internation	is designed in accord al Residential Code s and referenced stan	sections R502.11.1 and	I									

7) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

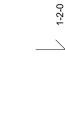
Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F07	Floor Supported Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:21 Page: 1 ID:HLxyjmjq_wSis2NV0Tpy8szzQZQ-VIQeQ_wAnkLkf_2m5ozPULkrTdvUjrp1yo9BCVzzQNX





8-8-0 8-8-0





Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 39 lb	FT = 20%F, 11%E

LUMBER

LOWIDER	
TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	All bearings 8-8-0.
(lb) -	Max Grav All reactions 250 (lb) or less at joint (s) 9, 10, 11, 12, 13, 14, 15, 16
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
NOTES	
1) All plates a	are 1.5x3 MT20 unless otherwise indicated

- All plates are 1.5x3 MT20 unless otherwise indicated. 1)
- All plates are 1.555 W120 tilless outletwise indicated.
 Gable requires continuous bottom chord bearing.
 Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 Gable studs spaced at 1-4-0 oc.
 This trues is designed in secondance with the 2019.
- 5) 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.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	1F08	Floor	9	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13	3 2022 Print:	8.620 S Oct	13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:21 F	Page: 1

3x3

4

9

1.5x3

φ

B'

8

3x3

ID:xBjLMVHh92FBN6uLi7ek0ZzzQYi-zxz0eKxpX2TbH8dyfVUe1YGxv16pSGABBSukkxzzQNW

3x3

5

P



3x3

2

9

1.5x3

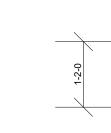
3

9

10

3x3





3x3

6

φ

3x6



3x3

1



Scale = 1:20.5

TCLL 4		Plate Grip DOL	1.00	1 70							PLATES	GRIP
	1		1.00	IC	0.42	Vert(LL)	-0.06	8-9	>999	480	MT20	244/190
ICDL	0.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.08	8-9	>999	240	1	
BCLL	0.0	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	7	n/a	n/a	1	
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 45 lb	FT = 20%F, 11%E

LUWDER		
TOP CHORD	2x4 SP No.	.2(flat)
BOT CHORD	2x4 SP No.	.2(flat)
WEBS	2x4 SP No.	2(flat)
BRACING		
TOP CHORD		wood sheathing directly applied or urlins, except end verticals.
BOT CHORD		g directly applied or 10-0-0 oc
REACTIONS	· · ·	7=463/ Mechanical, (min. 0-1-8), 1=463/ Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. (Comp./Max. Ten All forces 250
	(lb) or less	except when shown.
TOP CHORD	2-3=-899/0	, 3-4=-899/0, 4-5=-766/0
BOT CHORD	10-11=0/52	6, 9-10=0/899, 8-9=0/899,
	7-8=0/561	

7-8=0/561 2-11=-660/0, 5-7=-704/0, 2-10=0/499, WEBS 5-8=0/267

NOTES

1) Unbalanced floor live loads have been considered for

2)

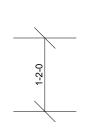
- Refer to girder(s) for truss to truss connections. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1. 3)
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

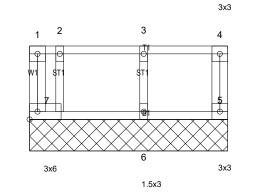
Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	1F09	Floor Supported Gable	1	1	Job Reference (optional)	
Carolina Structural Systems, St	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13	3 2022 Print:	8.620 S Oct	13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:21	Page: 1

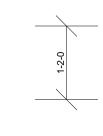
1.5x3

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:21 Carolina Structural Systems, Star, NC 27356, Jeremy Phillips

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Scale = 1:18.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 18 lb	FT = 20%F, 11%E

3-1-12 3-1-12

LUMBER

LUNDER	
TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	3-1-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
	bracing.
REACTIONS	
REACTIONS	6=147/3-1-12, (min. 0-1-8),
REACTIONS	
REACTIONS FORCES	6=147/3-1-12, (min. 0-1-8),
	6=147/3-1-12, (min. 0-1-8), 7=102/3-1-12, (min. 0-1-8)
	6=147/3-1-12, (min. 0-1-8), 7=102/3-1-12, (min. 0-1-8) (lb) - Max. Comp./Max. Ten All forces 250
FORCES	6=147/3-1-12, (min. 0-1-8), 7=102/3-1-12, (min. 0-1-8) (lb) - Max. Comp./Max. Ten All forces 250
FORCES NOTES 1) Gable requ 2) Truss to be	 6=147/3-1-12, (min. 0-1-8), 7=102/3-1-12, (min. 0-1-8) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. uires continuous bottom chord bearing. a fully sheathed from one face or securely
FORCES NOTES 1) Gable requ 2) Truss to be braced aga	6=147/3-1-12, (min. 0-1-8), 7=102/3-1-12, (min. 0-1-8) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. uires continuous bottom chord bearing.

- Gable studs spaced at 1-4-0 oc.
 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d 5) (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

1.5x3

3x3

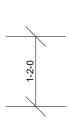
Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	1F10	Floor Supported Gable	1	1	Job Reference (optional)	
Carolina Structural Systems, S	tar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 1	3 2022 Print:	8.620 S Oct	: 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:21	Page: 1

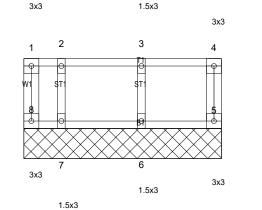
Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:21

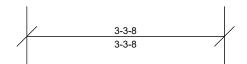
1.5x3

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1-2-0







Scale = 1:19.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 18 lb	FT = 20%F, 11%E

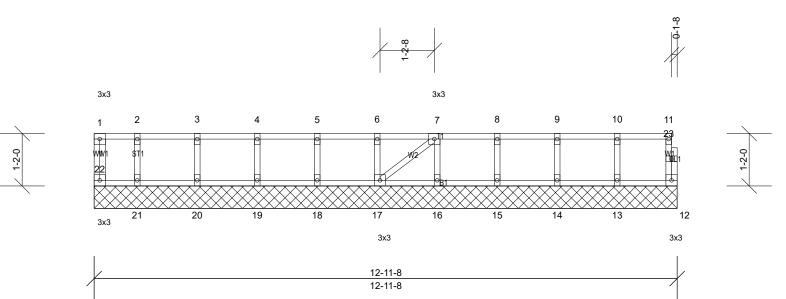
LUMBER

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-3-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
REACTIONS	All bearings 3-3-8.
(lb) - l	Max Grav All reactions 250 (lb) or less at joint (s) 5, 6, 7, 8
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
NOTES	

- Gable requires continuous bottom chord bearing.
 Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 Gable studs spaced at 1-4-0 oc.
 This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802 10.2 and enforcement dataget and ANSI/TEL1
- R802.10.2 and referenced standard ANSI/TPI 1. 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	1F11	Floor Supported Gable	1	1	Job Reference (optional)

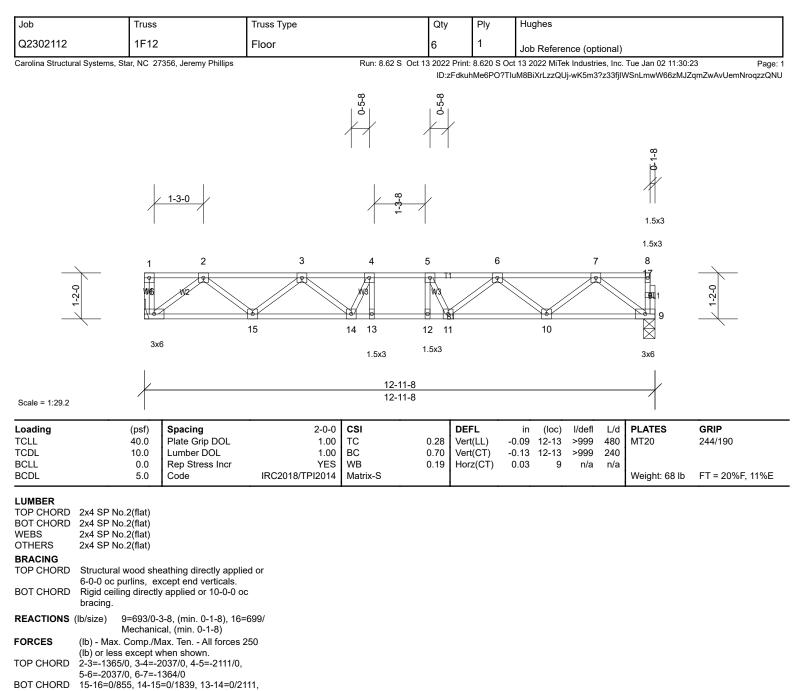
Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:22 Page: 1 ID:Q?RH_jWIviEZExG8EG_uhHzzQX5-zxz0eKxpX2TbH8dyfVUe1YG0D1FtSI3BBSukkxzzQNW



Scale = 1:25.6

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	40.0	Plate Grip DOL	1.00	тс	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999			
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horiz(TL)	n/a	-	n/a	n/a			
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 58 lb	FT = 20%F, 11%E	
LUMBER													
TOP CHORD													
BOT CHORD													
WEBS	2x4 SP No.2(flat)												
OTHERS	2x4 SP No.2(flat)												
BRACING													
TOP CHORD	5 7 11												
	6-0-0 oc purlins, except end verticals.												
BOT CHORD	Rigid ceiling directly bracing.	y applied or 10-0-0 oc	;										
REACTIONS	All bearings 12-11-8.												
	Max Grav All reaction		joint										
	(s) 12, 13	3, 14, 15, 16, 17, 18, 1	9,										
	20, 21, 22	2											
FORCES		1ax. Ten All forces 2	50										
	(lb) or less except v	vhen shown.											
NOTES													
/ !	are 1.5x3 MT20 unles		l.										
	uires continuous bott												
	e fully sheathed from												
	ainst lateral moveme												

- Gable studs spaced at 1-4-0 oc.
 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.
- 6) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 7) CAUTION, Do not erect truss backwards.



WEBS 12-13=0/2111, 11-12=0/2111, 10-11=0/1839, 9-10=0/855 WEBS 2-16=-1073/0, 7-9=-1070/0, 2-15=0/663, 7-10=0/663, 3-15=-618/0, 6-10=-618/0, 3-14=0/357, 6-11=0/357, 4-14=-349/78,

NOTES

- Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.

5-11=-349/78

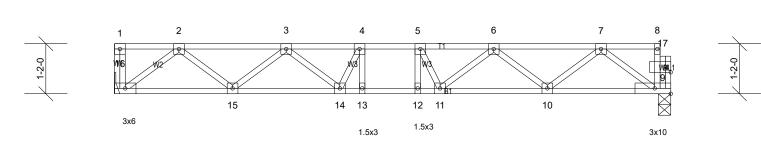
- 3) Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	1F13	Floor	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:23	Page: 1				

1-3-0

ID:iLRxXc7DjGnH_k2QirKmm7zzQSR-wK5m3?z33fjIWSnLmwW66zMJZqmswAvUemNroqzzQNU 0-5-8 1-2-0

3x6 1.5x3



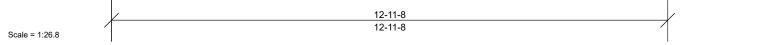


Plate Offsets (X, Y): [17:0-1-8,0-1-8]

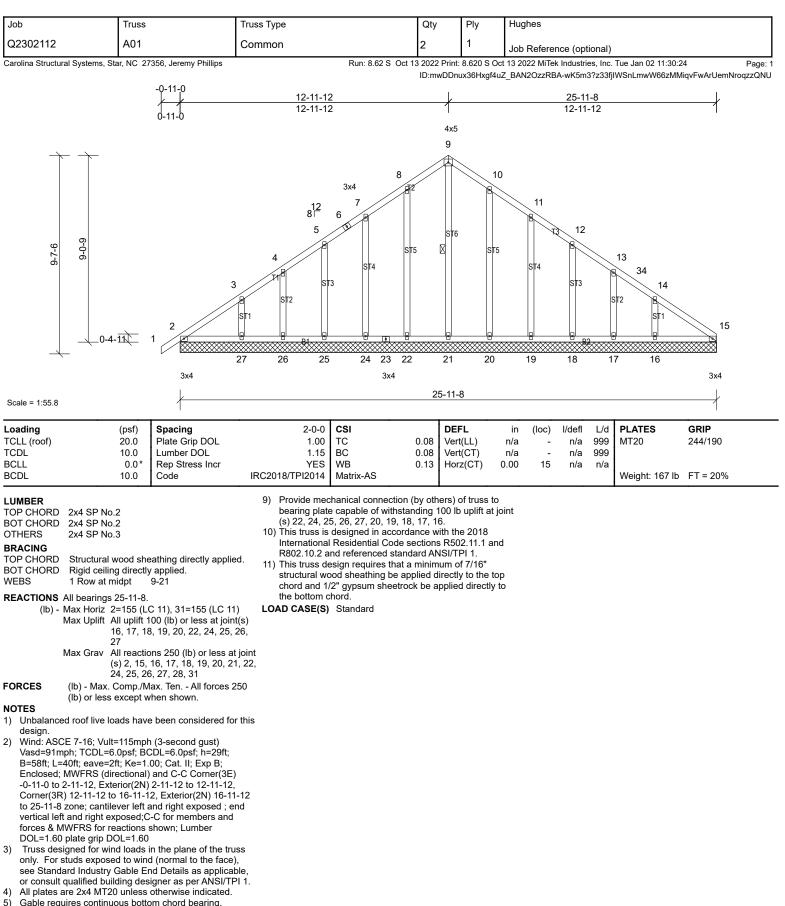
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.28	Vert(LL)	-0.09	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.12	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S		, í					Weight: 69 lb	FT = 20%F, 11%E

LUMBER

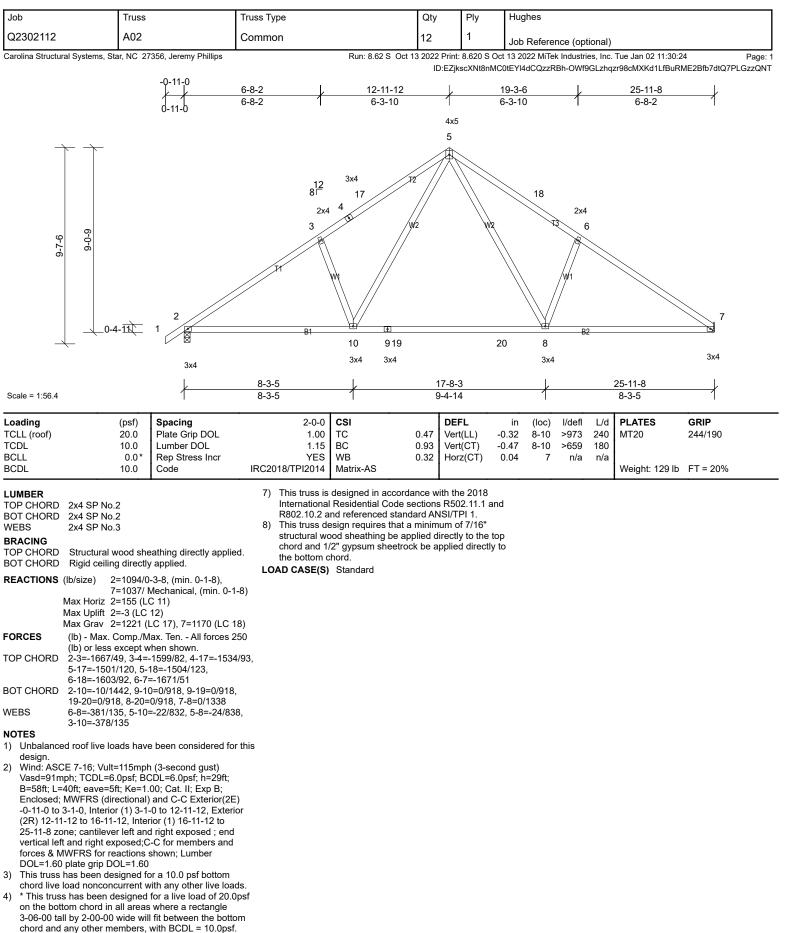
LUMBER	
TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)
BRACING	
TOP CHORD	Structural wood sheathing directly applied or
	6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc
BOT CHORD	bracing.
	bracing.
REACTIONS	(lb/size) 9=683/0-3-8, (min. 0-1-8), 16=695/
	Mechanical, (min. 0-1-8)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
TOP CHORD	2-3=-1356/0. 3-4=-2020/0. 4-5=-2093/0.
	5-6=-2026/0, 6-7=-1379/0
BOT CHORD	15-16=0/851, 14-15=0/1826, 13-14=0/2093,
	12-13=0/2093, 11-12=0/2093, 10-11=0/1843,
	9-10=0/881
WEBS	2-16=-1067/0, 7-9=-1083/0, 2-15=0/658,
	7-10=0/649, 3-15=-612/0, 6-10=-603/0,
	3-14=0/348, 6-11=0/340, 4-14=-338/76.
	5-11=-327/86
NOTEO	0 11 021/00

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x3 MT20 unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4)́ 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.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d 5) (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 6) CAUTION, Do not erect truss backwards.

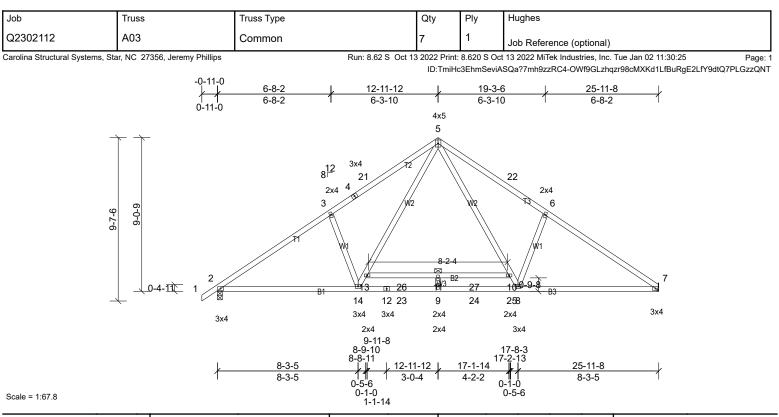


- 6) Gable studs spaced at 2-0-0 oc.
- 7)
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.



 ⁵⁾ Refer to girder(s) for truss to truss connections.

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



Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-AS	0.45 0.92 0.51	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.41 -0.65 0.05	(loc) 9 9 7	l/defl >762 >478 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 143 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.1 *Exce 2x4 SP No.3 Structural wood she	eathing directly applied y applied. Except:	structural we chord and 1, the bottom c LOAD CASE(S)		applied d	irectly to the						
REACTIONS	7=1124/ I Max Horiz 2=155 (L)-3-8, (min. 0-1-10), Mechanical, (min. 0-1-8 C 11) LC 17), 7=1348 (LC 18	,									
FORCES	(lb) - Max. Comp./N (lb) or less except w	1ax. Ten All forces 25 vhen shown.	0									
TOP CHORD	()	1926/0, 4-21=-1861/0, 2=-1833/27,										

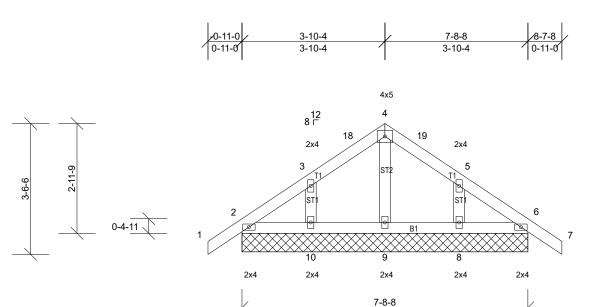
BOT CHORD 2-14=0/1712, 12-14=0/1207, 12-23=0/1207, 9-23=0/1207, 9-24=0/1207, 24-25=0/1207, 8-25=0/1207, 7-8=0/1608 WEBS 5-10=0/1043, 8-10=-6/872, 6-8=-374/138, 13-14=-5/867, 5-13=0/1038, 3-14=-372/138

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 3-1-0, Interior (1) 3-1-0 to 12-11-12, Exterior (2R) 12-11-12 to 16-11-12, Interior (1) 16-11-12 to 25-11-8 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
- This truss has been designed for a 10.0 psf bottom 3)
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 4) 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) 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.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	B01	Common Supported Gable	1	1	Job Reference (optional)

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Scale = 1:31.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 36 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 7-8-8.

- (Ib) Max Horiz 2=54 (LC 11), 11=54 (LC 11) Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6, 8, 10, 11, 17
 - Max Grav All reactions 250 (lb) or less at joint (s) 2, 6, 8, 10, 11, 17 except 9=306 (LC 1)
- (lb) Max. Comp./Max. Ten. All forces 250 FORCES (lb) or less except when shown. 4-9=-283/95

WEBS

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=2ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-11-0 to 3-1-0, Exterior(2N) 3-1-0 to 3-10-4, Corner (3R) 3-10-4 to 7-8-8, Exterior(2N) 7-8-8 to 8-7-8 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 3) 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.
- Gable requires continuous bottom chord bearing. 4)
- 5) Gable studs spaced at 2-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to 8) bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 6, 10, 8, 2, 6.

R802.10.2 and referenced standard ANSI/TPI 1.

surface with truss chord at joint(s) 6. 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and

11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top

9) Beveled plate or shim required to provide full bearing

chord and 1/2" gypsum sheetrock be applied directly to the bottom chord. LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	C01	Common Structural Gable	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:25 Page: 1 ID:0NieSJoAocp9W8mRSYQrVuzzRiw-siDXUh_JbGz0mmxjuLYaBORcFeY6O2_m64sytizzQNS

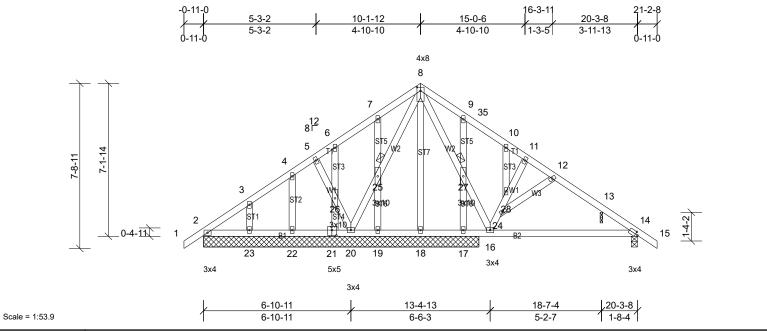


Plate Offsets (X, Y): [8:0-2-0,0-2-0], [14:0-1-6,0-1-8], [21:0-2-8,0-3-0]

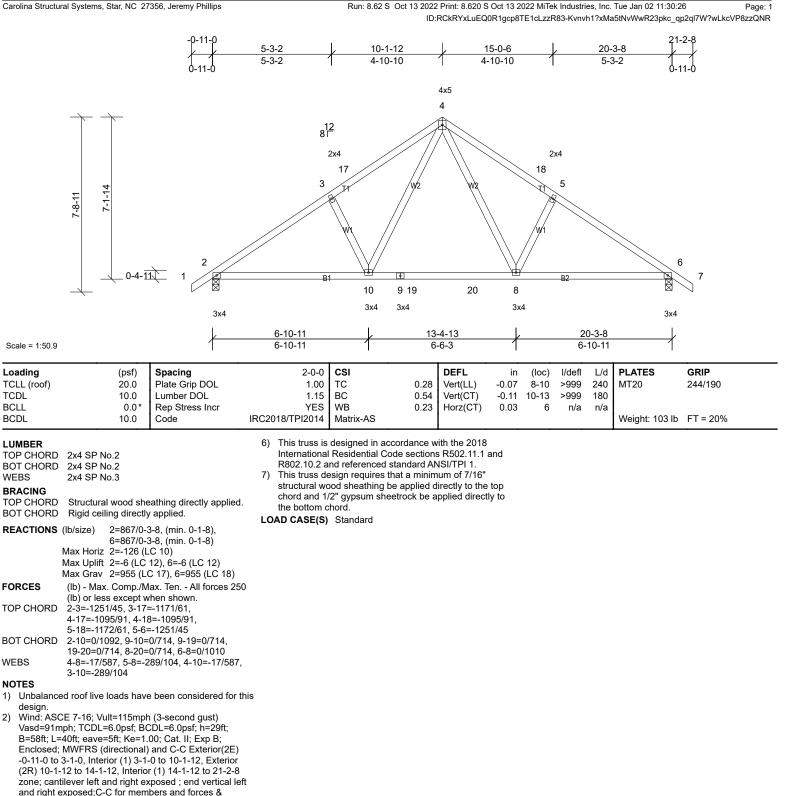
All plates are 2x4 MT20 unless of
 Gable studs spaced at 2-0-0 oc.

All plates are 2x4 MT20 unless otherwise indicated.

											_	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.46	Vert(LL)	-0.04	16-34́	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.08	16-34	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.00	14	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS	0.20	11012(01)	0.00		n/a	n/a	Weight: 147 lb	FT = 20%
						-					rreigna i na	
LUMBER6)This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.TOP CHORD2x4 SP No.27)* This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.WEBS2x4 SP No.37)* This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.OTHERS2x4 SP No.33-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.BRACINGStructural wood sheathing directly applied. IDO CHORD9 Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13.JOINTS1 Brace at Jt(s): 25, 279 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 13, 19, 21, 22, 23, 29 Max Grav All reactions 250 (lb) or less at joint(s)(ib) - Max Loriz 2, 13, 19, 20, 21, 22, 23, 29 except 14=279 (LC 1), 24), 18=274 (LC 10)10 less at joint(s) 24), 18=274 (LC 10)FORCES(ib) - Max. Comp./Max. Ten All forces 250LOAD CASE(S) Standard												
FORCES TOP CHORD WEBS NOTES	(lb) - Max. Comp./N (lb) or less except w 9-35=0/276, 12-13= 8-27=0/375, 16-27=	lax. Ten All forces 250	1) Dead + Ro Plate Incre Uniform Lo Vert: 1-8	Standard of Live (balanced): ase=1.00			15,					
	ed roof live loads have	e been considered for t	his Vert: 35	-635								
 Unbalanced roof live loads have been considered for this design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 3-1-0, Interior (1) 3-1-0 to 10-0-1, Exterior(2R) 10-0-1 to 14-1-12, Interior (1) 14-1-12 to 21-2-8 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 												
 a) 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, 												
	t qualified building des are 2x4 MT20 unless	signer as per ANSI/TPI	1.									

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	C02	Common	5	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:26

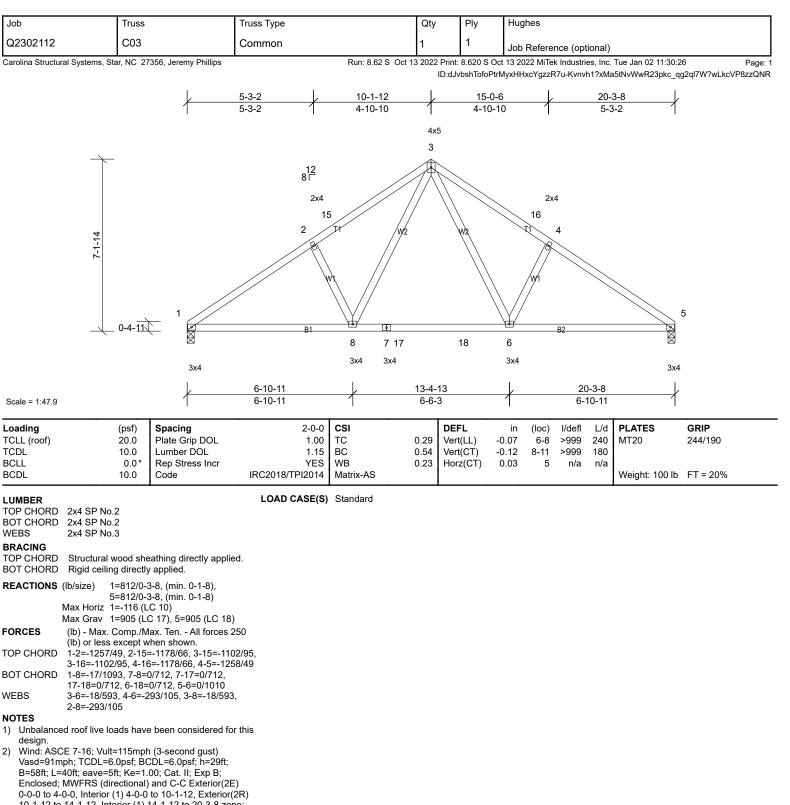


grip DOL=1.60 This truss has been designed for a 10.0 psf bottom 3)

MWFRS for reactions shown; Lumber DOL=1.60 plate

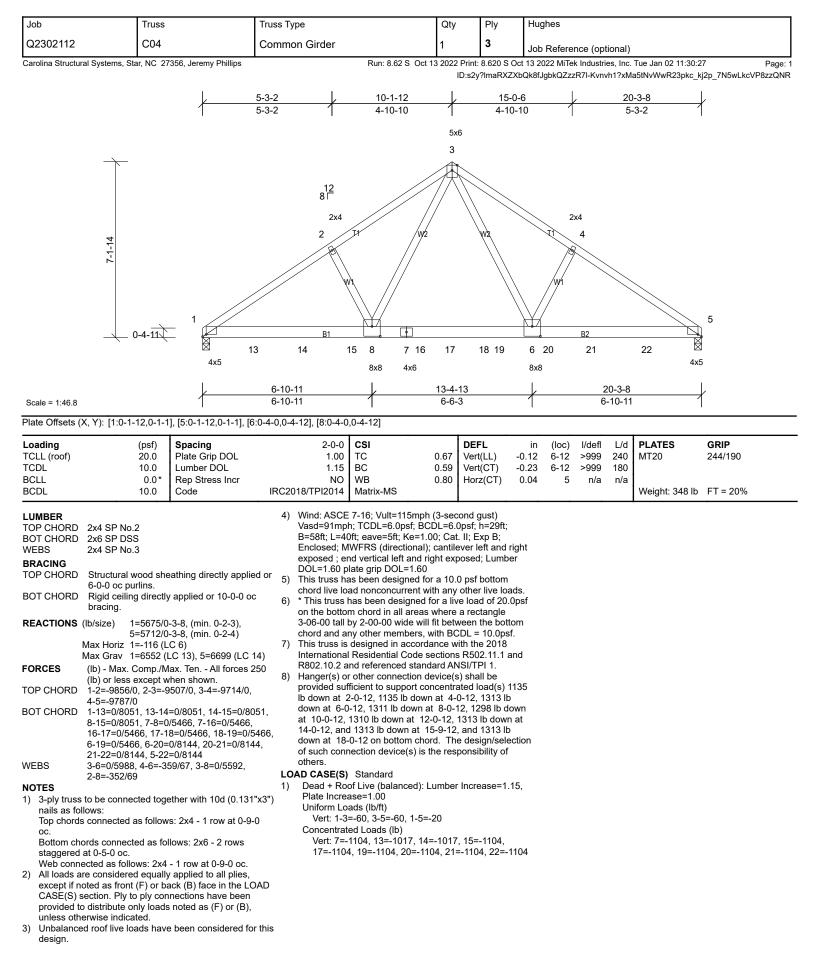
2)

- chord live load nonconcurrent with any other live loads. 4) * 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 2 and 6 lb uplift at joint 6.



10-1-12 to 14-1-12, Interior (1) 14-1-12 to 20-3-8 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

- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) 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.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Job	Truss	Truss Type		Ply	Hughes		
Q2302112	D01	Common Supported Gable	1	1	Job Reference (optional)		
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:27					

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:27 ID:2 hRmzKKxcLosGtaxiiGwezzR6n-o5LHvN0a7uDk?356?mb2HpW30SIzs?R3ZOL3xbzzQNQ

20-10-0 9-11-8 19-11-0 9-11-8 9-11-8 4x5 7 6 8 _12 8Г 5 9 IST5 7-0-11 7-7-3 4 10 St4 29 30 sta 3 11 st2 12 13 22 21 20 19 18 17 16 15 14 3x4 5x5 3x4 19-11-0

Plate Offsets (X, Y): [20:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 116 lb	FT = 20%

LUMBER

Scale = 1:50

2x4 SP No.2
2x4 SP No.2
2x4 SP No.3
Structural wood sheathing directly applied.
Rigid ceiling directly applied.

REACTIONS All bearings 19-11-0.

- (lb) Max Horiz 2=-124 (LC 10), 23=-124 (LC 10) Max Uplift All uplift 100 (lb) or less at joint(s) 2, 14, 15, 16, 17, 19, 20, 21, 22, 23
 - Max Grav All reactions 250 (lb) or less at joint LOAD CASE(S) Standard (s) 2, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26
- FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=2ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-11-0 to 3-1-0, Exterior(2N) 3-1-0 to 9-11-8, Corner(3R) 9-11-8 to 13-11-8, Exterior(2N) 13-11-8 to 20-10-0 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 3) 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 2x4 MT20 unless otherwise indicated. 4)
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

- Provide mechanical connection (by others) of truss to 9) bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 19, 20, 21, 22, 17, 16, 15, 14, 2.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 26.
- 11) 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top
- chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Job	Truss	Truss Type	Qty	Ply	Hughes		
Q2302112	D02	Common	2	1	Job Reference (optional)		
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 1	Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:27				

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:27

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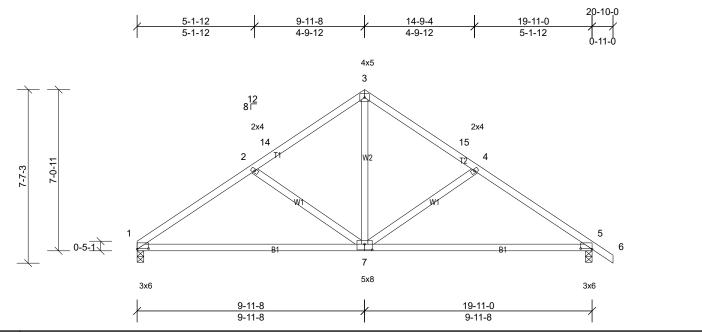


Plate Offsets (X, Y): [1:0-6-0,0-0-5], [5:0-6-0,0-0-5], [7:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.15	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.32	7-10	>740	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 94 lb	FT = 20%

structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to

7) This truss design requires that a minimum of 7/16"

the bottom chord. LOAD CASE(S) Standard

LUMBER

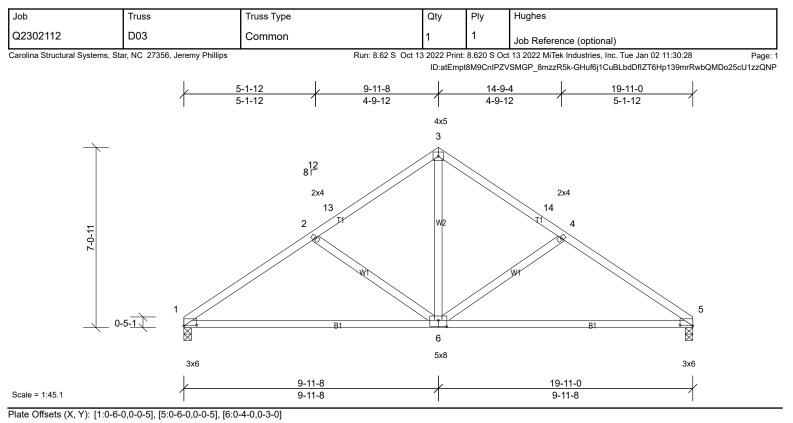
Scale = 1:50.4

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.	
BOT CHORD	Rigid ceiling directly applied.	
REACTIONS		
	5=853/0-3-8, (min. 0-1-8)	
	Max Horiz 1=-121 (LC 10)	
	Max Uplift 5=-7 (LC 12)	
FORCES	(lb) - Max. Comp./Max. Ten All forces 250	1
	(lb) or less except when shown.	
TOP CHORD	1-2=-1099/65, 2-14=-844/37, 3-14=-753/67,	
	3-15=-753/66, 4-15=-844/39, 4-5=-1096/63	
BOT CHORD	1-7=-25/882, 5-7=0/878	

WEBS 3-7=0/599, 4-7=-319/98, 2-7=-323/99

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-0-0, Interior (1) 4-0-0 to 9-11-8, Exterior(2R) 9-11-8 to 13-11-8, Interior (1) 13-11-8 to 20-10-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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. 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

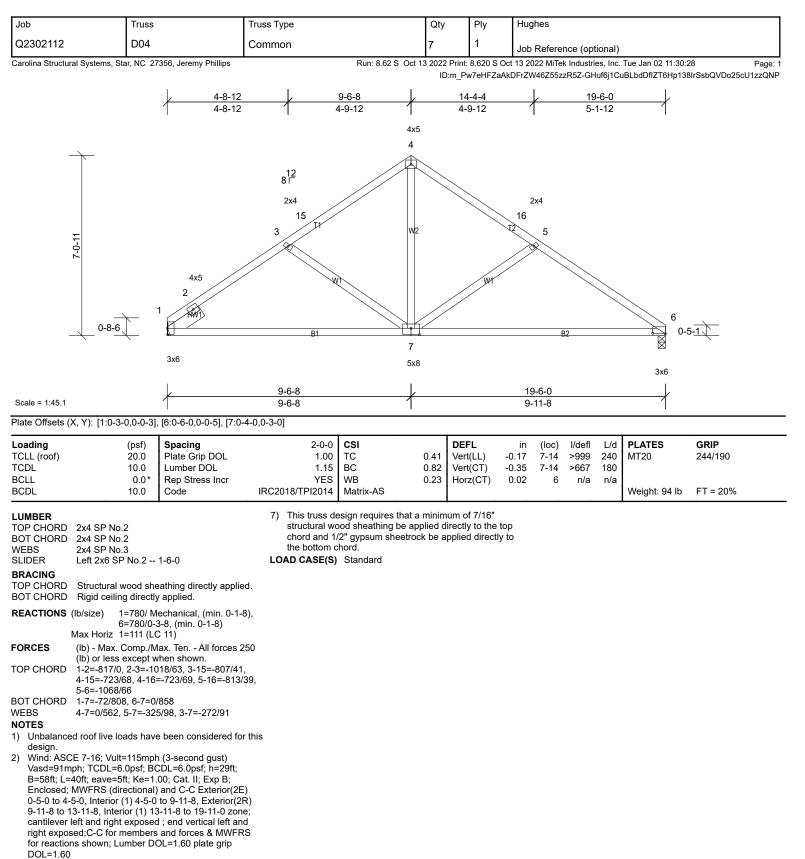


Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.38	Vert(LL)	-0.15	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.32	6-9	>740	180	1	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	5	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 92 lb	FT = 20%

LUMBER

LOWIDER		
TOP CHORD	2x4 SP N	0.2
BOT CHORD	2x4 SP N	0.2
WEBS	2x4 SP N	o.3
BRACING		
TOP CHORD	Structural	l wood sheathing directly applied.
BOT CHORD	Rigid ceili	ing directly applied.
REACTIONS	(lb/size)	1=797/0-3-8, (min. 0-1-8), 5=797/0-3-8, (min. 0-1-8)
	Max Horiz	1=113 (LC 11)
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250
	(lb) or less	s except when shown.
TOP CHORD	1-2=-1101	1/66, 2-13=-847/38, 3-13=-755/68,
	3-14=-755	5/68, 4-14=-847/38, 4-5=-1101/66
BOT CHORD	1-6=-38/8	84, 5-6=0/884
WEBS	3-6=0/600), 4-6=-323/99, 2-6=-323/99
NOTES		
1) Unhalance	ed roof live	loads have been considered for this

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-0-0, Interior (1) 4-0-0 to 9-11-8, Exterior(2R) 9-11-8 to 13-11-8, Interior (1) 13-11-8 to 19-11-0 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * This truss has been designed for a live load of 20.0psf
- * 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.
- 5) 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.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) 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.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	E01	Common	1	1	Job Reference (optional)

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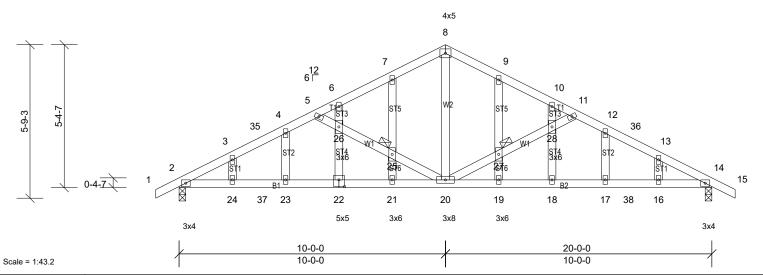


Plate Offsets (X, Y): [22:0-2-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.30	Vert(LL)	0.07	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.09	21-22	>999	180	1	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.04	14	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 116 lb	FT = 20%
			2) Wind: ASCE	7-16 [.] Vult=115	mph (3-sec	cond quet)						

LUMBER	
TOP CHORD	2x4 SP No 2
BOT CHORD	
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
	2x4 SP N0.5
BRACING	
TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 25,
	27
REACTIONS	(lb/size) 2=853/0-3-0, (min. 0-1-8),
REACTIONS	(10/5120) 2-853/0-3-0, (11111: 0-1-8), 14=853/0-3-0, (min. 0-1-8)
	Max Horiz 2=-82 (LC 10)
	Max Uplift 2=-168 (LC 12), 14=-168 (LC 12)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
TOP CHORD	2-3=-1383/913, 3-35=-1374/926,
	4-35=-1349/931, 4-5=-1295/896,
	5-6=-993/693, 6-7=-930/662, 7-8=-910/679,
	8-9=-910/679, 9-10=-930/662,
	10-11=-993/693, 11-12=-1295/896,
	12-36=-1349/931, 13-36=-1374/926,
	13-14=-1383/913
BOT CHORD	2-24=-772/1210, 24-37=-772/1210,
	23-37=-772/1210, 22-23=-772/1210,
	21-22=-772/1210, 20-21=-772/1210,
	19-20=-776/1210, 18-19=-776/1210,
	17-18=-776/1210, 17-38=-776/1210,
	16-38=-776/1210, 14-16=-776/1210
WEBS	8-20=-503/603, 20-27=-477/360,
	27-28=-461/348, 11-28=-456/341,
	5-26=-456/341, 25-26=-461/348,
	20-25=-477/360
NOTES	

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-10-8 to 3-1-8, Interior (1) 3-1-8 to 10-0-0, Exterior(2R) 10-0-0 to 14-0-0, Interior (1) 14-0-0 to 20-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; porch 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 studs spaced at 2-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to 8) bearing plate capable of withstanding 168 lb uplift at joint 2 and 168 lb uplift at joint 14.
- 9) 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.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

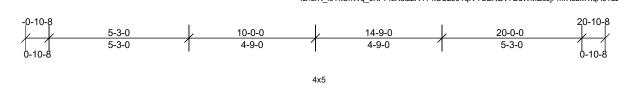
LOAD CASE(S) Standard

NOTES

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

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	E02	Common	6	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:29 Page: 1 ID:urK_i9TkUhWq_JKPFfsX3IzzR41-kUS2J31qfVTSENEV7BdWMEcJjFmrKszM1iqA0TzzQNO



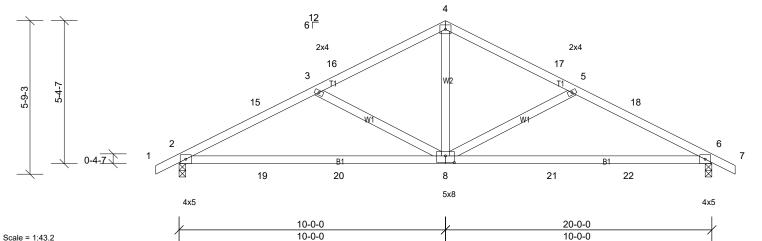


Plate Offsets (X, Y): [8:0-4-0,0-3-0]

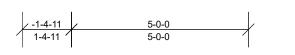
	(7, 1). [0.0-4-0,0-0-0]											
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.43	Vert(LL)	0.29	8-14	>828	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.33	8-11	>723	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 89 lb	FT = 20%
LUMBER			6) This truss is	designed in ac	cordance w	ith the 2018						
TOP CHORD	2x4 SP No.2			Residential Co								
BOT CHORD			R802.10.2 a	ind referenced	standard AN	ISI/TPI 1.						
WEBS	2x4 SP No.3		,	esign requires t								
BRACING				ood sheathing b								
TOP CHORD	Structural wood she	eathing directly applied.	the bottom of	/2" gypsum she	eetrock be a	pplied direct	ly to					
BOT CHORD	Rigid ceiling directly	y applied.	LOAD CASE(S)									
REACTIONS	(lb/size) 2=853/0-	3-0, (min. 0-1-8),	LUAD CASE(S)	Stanuaru								
REAGING NO.		3-0, (min. 0-1-8)										
	Max Horiz 2=-82 (LC											
	Max Uplift 2=-168 (L	_C 12), 6=-168 (LC 12)										
ORCES	(lb) - Max. Comp./N	lax. Ten All forces 250	0									
	(lb) or less except w											
OP CHORD	, -											
	3-16=-1010/714, 4-											
	4-17=-937/737, 5-1 5-18=-1285/835, 6-											
BOT CHORD												
	8-20=-707/1176, 8-2											
	21-22=-710/1176, 6											
WEBS	4-8=-577/604, 5-8=	-396/225, 3-8=-396/225	5									
NOTES												
,	ed roof live loads have	e been considered for t	his									
design.												
	CE 7-16; Vult=115mpl											
	nph; TCDL=6.0psf; B(
B=38π; L=	=40ft; eave=5ft; Ke=1.	.00; Cat. II; Exp B;										

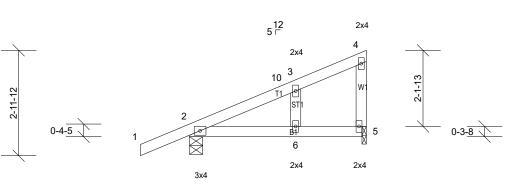
Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-10-8 to 3-1-8, Interior (1) 3-1-8 to 10-0-0, Exterior(2R) 10-0-0 to 14-0-0, Interior (1) 14-0-0 to 20-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

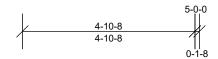
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 168 lb uplift at joint 2 and 168 lb uplift at joint 6.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	P01	Monopitch	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:29 Page: 1 ID:xSK6MK296SFPueuD8BSxUOzzRK3-kUS2J31qfVTSENEV7BdWMEcMrFwgKw2M1iqA0TzzQNO







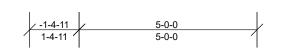
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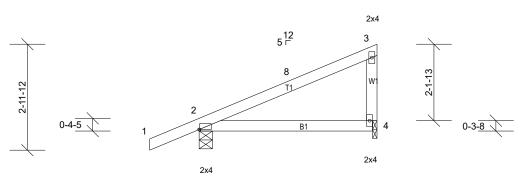
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	0.03	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.06	6-9	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 22 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.3 2x4 SP No.3		International R802.10.2 a 10) This truss de structural we chord and 1, the bottom c	ood sheathing b '2" gypsum she hord.	de sections standard AN hat a minim e applied di	R502.11.1 a ISI/TPI 1. um of 7/16" irectly to the	top					
REACTIONS		4-8, (min. 0-1-8),										
		1-8, (min. 0-1-8)										
	Max Horiz 2=66 (LC Max Uplift 2=-32 (LC											
FORCES		ax. Ten All forces 250)									
NOTES	.,											
Vasd=91m B=58ft; L=- Enclosed; -1-4-11 to 2 cantilever I right expos	2-7-5, Interior (1) 2-7 left and right exposed sed;C-C for members ns shown; Lumber D0	CDL=6.0psf; h=29ft; 00; Cat. II; Exp B; and C-C Exterior(2E) 5 to 4-10-4 zone; I; end vertical left and and forces & MWFRS										
 Truss desi only. For s see Standa or consult 	igned for wind loads i studs exposed to wind ard Industry Gable Er	n the plane of the truss d (normal to the face), nd Details as applicable igner as per ANSI/TPI) ,									

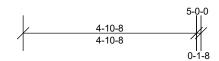
- Gable studs spaced at 2-0-0 oc.
 This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
 Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 2.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	P02	Monopitch	6	1	Job Reference (optional)

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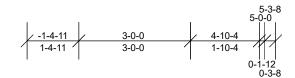
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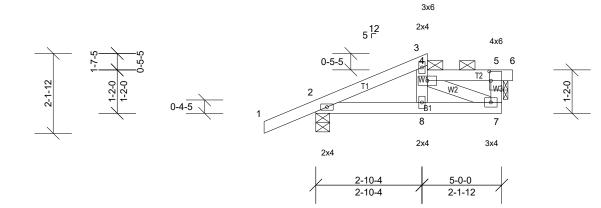
Plate Offsets (X, Y): [2:0-0-2,Edge]

Load TCLL TCDL BCLL BCDL	(roof)		(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-AS	0.30 0.23 0.00	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.02 -0.05 0.00	(loc) 4-7 4-7 2	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 20 lb	GRIP 244/190 FT = 20%
BOT WEB BRAC TOP	CHORD CHORD S CING CHORD	2x4 SP No 2x4 SP No 2x4 SP No Structural except end Rigid ceilir	.2 .3 wood she l verticals		structural we chord and 1, the bottom c LOAD CASE(S)		applied d	irectly to the						
	I	Max Horiz 2 Max Uplift 2	4=182/0-1 2=66 (LC 2=-32 (LC	2 12)										
FORG	CES	· · /		ax. Ten All forces 25 /hen shown.	0									
NOTE		()	·											
Ý Ví B -1 ca riệ fo	/asd=91m =58ft; L=4 Inclosed; 1-4-11 to 2 antilever I ght expos	ph; TCDL=6 40ft; eave=5 MWFRS (dia 2-7-5, Interic eft and right ed;C-C for i	6.0psf; BC off; Ke=1. rectional) or (1) 2-7- t exposed members	n (3-second gust) CDL=6.0psf; h=29ft; 00; Cat. II; Exp B; and C-C Exterior(2E) -5 to 4-10-4 zone; I; end vertical left and and forces & MWFRS DL=1.60 plate grip										
				or a 10.0 psf bottom /ith any other live loads										
3) * 01 3.	This truss n the bott -06-00 tal	s has been o om chord in	lesigned all areas wide will	for a live load of 20.0p where a rectangle fit between the botton	sf									
4) B u:	earing at sing ANS	joint(s) 4 co I/TPI 1 angle	nsiders p e to grain	arallel to grain value formula. Building of bearing surface.										
5) P	rovide me	echanical co	nnection	(by others) of truss to										
6) P	Provide me earing pla		nnection	(by others) of truss to Inding 32 lb uplift at joi	nt									
7) T Ir	his truss i ternation	al Residenti	al Code s	ance with the 2018 sections R502.11.1 and dard ANSI/TPI 1.	ł									

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	P03	Roof Special	1	2	Job Reference (optional)

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Scale = 1:31

Plate Offsets (X, Y): [5:0-3-0,0-0-8]

DOL=1.60 5) Provide adequate drainage to prevent water ponding.

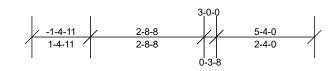
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	0.00	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.01	8	>999	180	1	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.11	Horz(CT)	n/a	-	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-MP							Weight: 46 lb	FT = 20%
		,										
LUMBER				as been designed								
	2x4 SP No.2			ad nonconcurren								
BOT CHORE				has been designe m chord in all are			.upsi					
WEBS	2x4 SP No.3			by 2-00-00 wide			ttom					
BRACING			chord and a	ny other member		ween the bot						
TOP CHORD		eathing directly applied	or 8) Provide me	chanical connecti		ers) of truss	to					
		xcept end verticals, and	bearing plat	e at joint(s) 5.								
	2-0-0 oc purlins: 4- 6-0-0 oc bracing: 3	· ·	This truss is	designed in acco	ordance w	ith the 2018						
BOT CHORD	0	y applied or 10-0-0 oc		I Residential Cod			and					
DOT OTONE	bracing.	y applied of 10-0-0 00		and referenced st								
	8	4.0 (: 0.4.0)		s) 1 has/have bee			orroot					
REACTIONS		4-8, (min. 0-1-8),		ust review loads to ded use of this tr		at they are c	onect					
	Max Horiz 2=40 (LC	1-8, (min. 0-1-8) : 12)		urlin representation		ot depict the	size					
FORCES	, i	/ax. Ten All forces 25		or the orientation of the purlin along the top and/or								
TOROLO	(lb) or less except v		bottom choi		Ū	·						
TOP CHORD				en inside of top ch								
BOT CHORD	2-8=0/620, 7-8=0/8	81	•	diagonal or vertical web shall not exceed 0.500in.								
WEBS	5-7=0/428, 4-7=-96	2/0	LOAD CASE(S									
NOTES			,	of Live (balanced	I): Lumbe	r Increase=1	.15,					
1) 2-ply trus	s to be connected tog	ether with 10d (0.131"x	:3") Plate Incre									
nails as f			Uniform Lo	ads (10/11) =-60, 7-9=-20, 4-	6- 190							
	ds connected as follow	vs: 2x4 - 1 row at 0-9-0		ted Loads (lb)	-0100							
oc.			14 1 0									
	nords connected as to	llows: 2x4 - 1 row at 0-	9-0 Volt. 0-	400								
0C. Web.com	nected as follows: 2x4	- 1 row at 0-9-0 oc										
	are considered equal											
		ack (B) face in the LOA	ND									
	section. Ply to ply cor											
provided	to distribute only load	s noted as (F) or (B),										
	herwise indicated.											
,	ced roof live loads hav	e been considered for t	his									
design.		h (2 accord quat)										
	CE 7-16; Vult=115mpl mph; TCDL=6.0psf; B											
	=40ft; eave=5ft; Ke=1											
) and C-C Exterior(2E)										
	2-10-4, Interior (1) 2-	, , , , , , , , , , , , , , , , , , , ,										
		d ; end vertical left and										
		s and forces & MWFRS										
	ons shown; Lumber D	OL=1.60 plate grip										
DOI = 1.6	0											

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	P04	Half Hip	3	1	Job Reference (optional)

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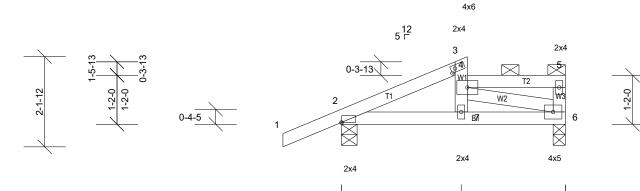
5-4-0

2-5-12



2-10-4

2-10-4



Scale = 1:27.4

Plate Offsets (X, Y): [2:0-0-2,Edge], [3:0-1-4,0-1-0]

												_
Loading	(psf)	Spacing	2-0-0	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.0) TC	0.74	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.1	5 BC	0.42	Vert(CT)	-0.03	7	>999	180		
BCLL	0.0*	Rep Stress Incr	NC	WB	0.23	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI201	4 Matrix-MP			_		_		Weight: 24 lb	FT = 20%
	5-4-0 oc purlins, ex 2-0-0 oc purlins: 3-7 6-0-0 oc bracing: 3-	eathing directly applied acept end verticals, and 7, 4-5. Except:	or the orie bottom chu 9) Hanger(s) provided s down and or selection c responsibi	or other connect ufficient to suppo 69 lb up at 5-2-4 f such connection lity of others.	rlin along the tion device(s ort concentra 4 on top cho on device(s)	e top and/or) shall be ated load(s) rd. The des is the	89 lb ign/					
BOTCHORD	bracing.	applied of 10-0-0 oc		Plate Increase=1.00 Uniform Loads (lb/ft)								
REACTIONS	· /	4-8, (min. 0-1-8), 3-8, (min. 0-1-8) 9)	Vert: 1 Concentr	·3=-60, 6-8=-20, ated Loads (lb) =-408, 5=-41	4-5=-60							
FORCES	· ·	ax. Ten All forces 250		400, 341								
WEBS		6/0										
NOTES 1) Unbalance design.	ed roof live loads have	e been considered for th	his									
 Wind: ASC Vasd=91m B=58ft; L= Enclosed; -1-4-11 to cantilever right exposit 	2-10-4, Interior (1) 2- left and right exposed	CDL=6.0psf; h=29ft; 00; Cat. II; Exp B; and C-C Exterior(2E) 10-4 to 5-2-4 zone; I; end vertical left and and forces & MWFRS										

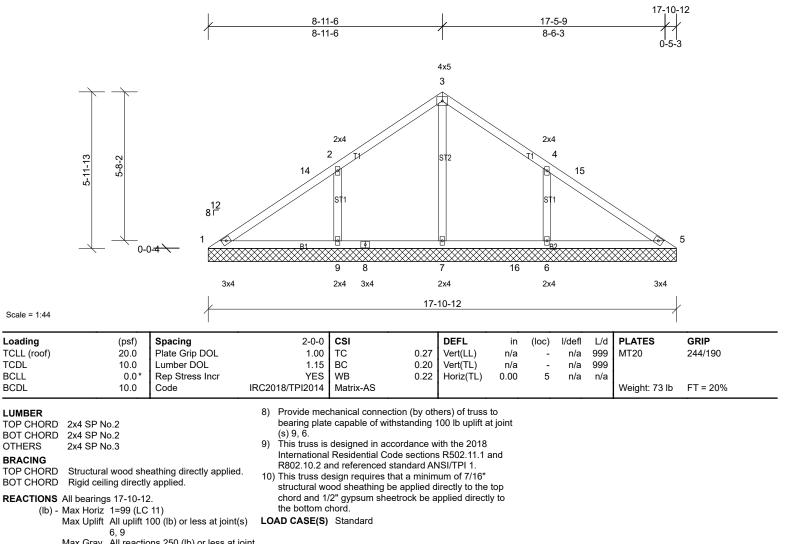
for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- Provide adequate drainage to prevent water ponding. 3)
- 4) 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 5) 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.
- This truss is designed in accordance with the 2018 6) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 7)

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	V01	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13	3 2022 Print:	8.620 S Oct	13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:31	Page: 1

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:31

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Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=508 (LC 18), 7=519 (LC 17), 9=512 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-14=-19/272

WEBS 3-7=-354/0, 2-9=-303/110, 4-6=-302/109

NOTES

Loading

TCDL

BCLL

BCDL

LUMBER

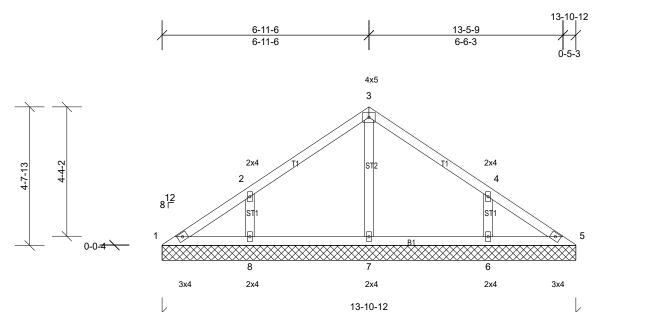
OTHERS

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-6 to 4-0-6, Interior (1) 4-0-6 to 8-11-12, Exterior(2R) 8-11-12 to 12-11-12, Interior (1) 12-11-12 to 17-11-2 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
- Truss designed for wind loads in the plane of the truss 3) 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) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc. 5)
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	V02	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 13	3 2022 Print:	8.620 S Oct	13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:31	Page: 1

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:31

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Scale = 1:38.7

		-										_
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 54 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 13-10-12.

- (lb) Max Horiz 1=-77 (LC 10) Max Uplift All uplift 100 (lb) or less at joint(s)
 - 6.8 Max Grav All reactions 250 (lb) or less at joint
 - (s) 1, 5 except 6=325 (LC 24), 7=305 (LC 1), 8=325 (LC 23) (lb) - Max. Comp./Max. Ten. - All forces 250

FORCES (lb) or less except when shown.

NOTES

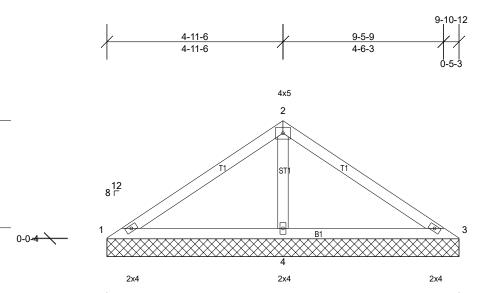
- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) 2) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-6 to 4-0-6, Interior (1) 4-0-6 to 6-11-12, Exterior(2R) 6-11-12 to 10-11-12, Interior (1) 10-11-12 to 13-11-2 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
- Truss designed for wind loads in the plane of the truss 3) 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.
- Gable requires continuous bottom chord bearing. 4)
- Gable studs spaced at 4-0-0 oc. 5)
- This truss has been designed for a 10.0 psf bottom 6)
- chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 20.0psf 7) 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 100 lb uplift at joint (s) 8, 6.

- 9) 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.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V03	Valley	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:31 Carolina Structural Systems, Star, NC 27356, Jeremy Phillips

Page: 1 ID:?Z8vPjD3?8W240tE1IcX9xzzRC5-hsaokl34B6jAUhOtEbf_RfhiB3cdonqfU0JG4MzzQNM



9-10-12



3-0-2

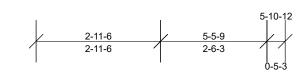
3-3-13

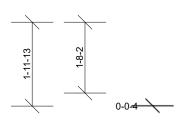
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Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 35 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD OTHERS BRACING TOP CHORD BOT CHORD REACTIONS	2x4 SP No.2 2x4 SP No.3 Structural wood she Rigid ceiling directly (Ib/size) 1=44/9-1(3=44/9-1(4=703/9-1) Max Horiz 1=54 (LC Max Uplift 1=-17 (LC (LC 12)	D-12, (min. 0-1-8), D-12, (min. 0-1-8), 10-12, (min. 0-1-8)	bearing plat 1, 17 lb uplit 9) This truss is Internationa R802.10.2 a 10) This truss d structural we chord and 1 the bottom o LOAD CASE(S)	ood sheathing t /2" gypsum she chord.	ithstanding 3 lb uplift at ccordance w ode sections standard AN that a minim be applied d	I7 Ib uplift at joint 4. ith the 2018 s R502.11.1 ISI/TPI 1. um of 7/16" irectly to the	joint and top					
FORCES	(lb) or less except w		0									
TOP CHORD		56/310										
WEBS	2-4=-541/147											
NOTES												
	ed roof live loads have	e been considered for t	his									
design.	CE 7 16: \/ult-115mph	(2 accord quat)										
	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC											
	=40ft; eave=5ft; Ke=1.											
	; MWFRS (directional)											
		to 4-11-12, Exterior(2R	R)									
		3-11-15 to 9-11-2 zone;	,									
		; end vertical left and										
right expo	sed;C-C for members	and forces & MWFRS										
	ons shown; Lumber DO	OL=1.60 plate grip										
DOI = 1.6	n											

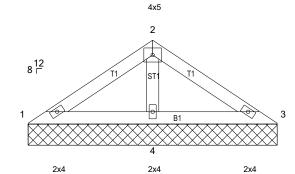
- DOL=1.60 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1. 3)
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V04	Valley	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:32 Page: 1 ID:wgqFK5ZB?yHtBR_HBFZFK8zzR7n-938Ay44iyQr15qz4oJAD_tEuGT_1XGlojf3qdozzQNL









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Scale = 1:27.3												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horiz(TL)	0.00	3	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-AS							Weight: 20 lb	FT = 20%
				Standard							•	

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 LOAD CASE(S) Standard

BRACING

TOP CHORD Structural wood sheathing directly applied. BOT CHORD Rigid ceiling directly applied.

REACTIONS	(lb/size)	1=52/5-10-12, (min. 0-1-8), 3=52/5-10-12, (min. 0-1-8),
		4=368/5-10-12, (min. 0-1-8)
	Max Horiz	1=-31 (LC 10)
	Max Grav	1=68 (LC 23), 3=68 (LC 24), 4=368
		(LC 1)

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

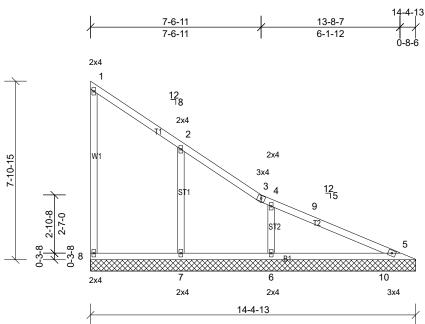
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; 2) B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 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.
- Gable requires continuous bottom chord bearing. 4)
- 5) Gable studs spaced at 4-0-0 oc.
- 6) 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 7) 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.
- This truss is designed in accordance with the 2018 8) International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	V11	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Sta	ar, NC 27356, Jeremy Phillips	Run: 8.62 S Oct 1	3 2022 Print:	8.620 S Oct	: 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:32	Page: 1

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:32 Carolina Structural Systems, Star, NC 27356, Jeremy Phillips

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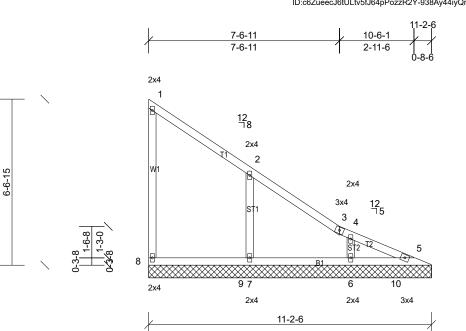
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC 0.4		n/a	-	n/a	999	MT20	244/190
TCDL	10.0 0.0*	Lumber DOL	1.15 YES	BC 0.2 WB 0.		n/a	-	n/a	999		
BCLL BCDL	10.0	Rep Stress Incr Code	IRC2018/TPI2014	WB 0. Matrix-S	1 Horiz(TL)	0.01	5	n/a	n/a	Weight: 66 lb	FT = 20%
	10.0	0000								Wolght. 00 lb	
LUMBER				chanical connection (by							
	2x4 SP No.2			e capable of withstandir	g 100 lb uplift	at joint					
BOT CHORD			(s) 8, 7, 6.	designed in accordanc	with the 2010	b					
WEBS	2x4 SP No.3		,	Residential Code secti							
OTHERS	2x4 SP No.3			nd referenced standard		anu					
BRACING	0										
TOP CHORD	6-0-0 oc purlins, ex	eathing directly applied	or()	otanidara							
BOT CHORD		applied or 10-0-0 oc									
BOT ONOTOD	bracing.										
REACTIONS	All bearings 14-4-13.										
	Max Horiz 8=-213 (L										
		00 (lb) or less at joint(s	s)								
	6, 7, 8	···()) (,								
		ons 250 (lb) or less at jo	pint								
	(s) 5, 8 ex 7=394 (L	ccept 6=502 (LC 18), C 18)									
FORCES	(lb) - Max. Comp./M (lb) or less except w	ax. Ten All forces 25	0								
TOP CHORD	()										
		·181/312, 6-10=-181/31	12.								
	5-10=-181/312	,	,								
WEBS	4-6=-326/150										
NOTES											
	CE 7-16; Vult=115mph										
	nph; TCDL=6.0psf; BC										
	40ft; eave=5ft; Ke=1.	and C-C Exterior(2E)									
	4-0-0, Interior (1) 4-0-										
		; end vertical left and									
right expo	sed;C-C for members	and forces & MWFRS									
	ns shown; Lumber D	DL=1.60 plate grip									
DOL=1.60											
		in the plane of the truss d (normal to the face),	6								
		nd Details as applicable	2								
		igner as per ANSI/TPI									
	uires continuous botto	0 1									

- Gable requires continuous bottom chord bearing. 3)
- 4) Gable studs spaced at 4-0-0 oc.
- 5) 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 6)
- 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.

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	V12	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:32						

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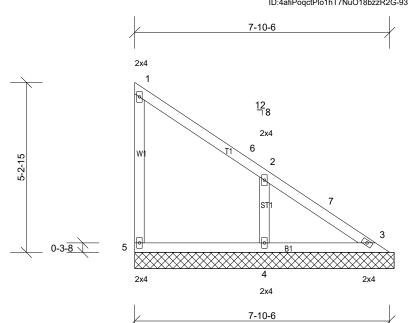


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					-							-	
Loading		(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) TCDL		20.0 10.0	Plate Grip DOL Lumber DOL	1.00 1.15	TC BC	0.39 0.16	Vert(LL) Vert(TL)	n/a n/a	-	n/a n/a	999 999	MT20	244/190
BCLL		0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.00	- 5	n/a	n/a		
BCDL		10.0	Code	IRC2018/TPI2014	Matrix-S	0.00	110112(12)	0.00	0	n/a	n,a	Weight: 50 lb	FT = 20%
LUMBER				7) Provide mee									
TOP CHORD				bearing plat (s) 8, 7, 6.	e capable of v	withstanding ?	100 lb uplift a	t joint					
BOT CHORD WEBS	2x4 SP N 2x4 SP N			(s) 6, 7, 6. 8) This truss is	designed in a	accordance w	ith the 2018						
OTHERS	2x4 SP N				Residential			and					
BRACING					ind reference	d standard Al	NSI/TPI 1.						
	Structural	wood she	athing directly applied	or LOAD CASE(S)	Standard								
			cept end verticals.										
BOT CHORD	Rigid ceili bracing.	ng directly	/ applied or 10-0-0 oc										
REACTIONS	All bearing Max Horiz		C 8)										
- (di)			00 (lb) or less at joint(s)									
		6, 7, 8		-,									
	Max Grav		ons 250 (lb) or less at j	oint									
		(s) 5, 8 ex 7=449 (L0	ccept 6=303 (LC 18), C 18)										
FORCES			lax. Ten All forces 25 /hen shown.	0									
TOP CHORD	()		-314/148, 4-5=-361/18	1									
BOT CHORD	8-9=-163/	349, 7-9=-	-163/349, 6-7=-163/34										
			0=-163/349										
WEBS	2-7=-267/	266											
NOTES	► 7-16· \/u	lt=115mpt	n (3-second gust)										
			CDL=6.0psf; h=29ft;										
			00; Cat. II; Exp B;										
			and C-C Corner(3E)										
			0-0 to 10-5-15 zone; d ; end vertical left and										
			and forces & MWFRS	;									
		umber D	OL=1.60 plate grip										
DOL=1.60		:		_									
			in the plane of the trus d (normal to the face),	S									
			nd Details as applicabl	e,									
			igner as per ANSI/TPI	1.									
			om chord bearing.										
 Gable sture This trues 			or a 10.0 psf bottom										
			vith any other live load	S.									
6) * This trus	s has been	designed	for a live load of 20.0p										
			where a rectangle										
			I fit between the bottor with BCDL = 10.0psf.	TI									
		nomboro,											

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V13	Valley	1	1	Job Reference (optional)

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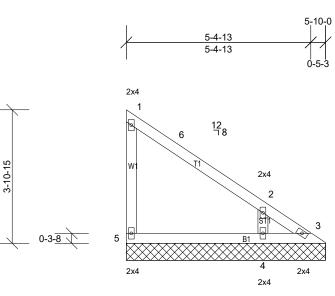


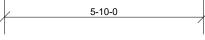
Scale = 1:35.5

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	BC 0.	31 Ve 13 Ve	EFL in ort(LL) n/a ort(TL) n/a oriz(TL) 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 35 lb	GRIP 244/190 FT = 20%
	6-0-0 oc purlins, ex	eathing directly applied kcept end verticals. y applied or 10-0-0 oc	Internationa R802.10.2 a LOAD CASE(S)	designed in accordanc Residential Code sec nd referenced standar Standard	ions R5	02.11.1 and					
	4=363/8-	C 12), 5=-19 (LC 8) C 17), 4=363 (LC 1),									
 Vasd=91n B=58ft; L= Enclosed; 0-1-12 to 4 cantilever right expo for reactio DOL=1.6C 2) Truss des only. For see Stand or consult 3) Gable requires 4) Gable sturt 5) This truss chord live 6) * This truss on the bot 3-06-00 ta chord and 7) Provide m bearing pl 	(b) or less except v 2-4=-272/178 CE 7-16; Vult=115mpl ph; TCDL=6.0psf; Br 40ft; eave=5ft; Ke=1. MWFRS (directional) 5-9-10, Interior (1) 5-6 left and right exposed sed;C-C for members ns shown; Lumber Dr signed for wind loads studs exposed to win lard Industry Gable E qualified building des uires continuous bott ds spaced at 4-0-0 oc has been designed fi load nonconcurrent v is has been designed tom chord in all areas and by 2-00-00 wide wil any other members.	h (3-second gust) CDL=6.0psf; h=29ft; 00; Cat. II; Exp B;) and C-C Exterior(2E))-10 to 7-4-9 zone; d; end vertical left and s and forces & MWFRS OL=1.60 plate grip in the plane of the trus d (normal to the face), nd Details as applicabl signer as per ANSI/TPI om chord bearing. ; or a 10.0 psf bottom vith any other live load for a live load of 20.0p	S s le, 1. s. psf n								

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V14	Valley	1	1	Job Reference (optional)

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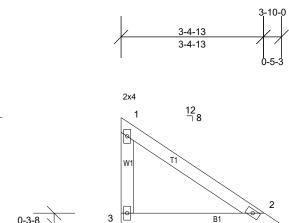
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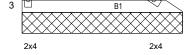
Loading (psf) TCLL (roof) 20.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.21	DEFL Vert(LL)	in n/a	(loc)	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL 10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999	WI 20	244/130
BCLL 0.0* BCDL 10.0	Rep Stress Incr Code IF	YES RC2018/TPI2014	WB Matrix-P	0.09	Horiz(TL)	0.00	3	n/a	n/a	Weight: 24 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 shee 5-10-6 oc purlins, e: BOT CHORD Rigid ceiling directly bracing.		5, 48 lb uplifi 8) This truss is International	e capable of withs at joint 3 and 34 designed in acco Residential Code nd referenced sta	standing 1 Ib uplift a ordance w e sections	4 lb uplift at joint 4. it joint 4. ith the 2018 5 R502.11.1 at	oint					
4=321/5-1 5=125/5-1 Max Horiz 5=-99 (LC Max Uplift 3=-48 (LC 5=-14 (LC	: 18), 4=-34 (LC 12),										
 FORCES (Ib) - Max. Comp./Ma (Ib) or less except will TOP CHORD 2-3=-309/191 WEBS 2-4=-241/305 NOTES 1) Wind: ASCE 7-16; Vult=115mph Vasd=91mph; TCDL=6.0psf; BC B=58ft; L=40ft; eave=2ft; Ke=1.0; Enclosed; MWFRS (directional) 0-1-12 to 4-0-0, Exterior(2N) 4-0; cantilever left and right exposed right exposed; C-C for members for reactions shown; Lumber DC DOL=1.60 2) Truss designed for wind loads in only. For studs exposed to wind see Standard Industry Gable En or consult qualified building desi 3) Gable requires continuous botto 4) Gable studs spaced at 4-0-0 oc. 5) This truss has been designed fo chord live load nonconcurrent wi * This truss has been designed fo on the bottom chord in all areas 3-06-00 tall by 2-00-00 wide will chord and any other members. 	(3-second gust) CDL=6.0psf; h=29ft; 00; Cat. II; Exp B; and C-C Corner(3E))-0 to 5-4-9 zone; ; end vertical left and and forces & MWFRS 0L=1.60 plate grip n the plane of the truss d (normal to the face), d Details as applicable, igner as per ANSI/TPI 1. m chord bearing. r a 10.0 psf bottom ith any other live loads. for a live load of 20.0psf where a rectangle										

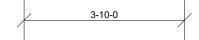
Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V15	Valley	1	1	Job Reference (optional)

2-6-15

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Scale = 1:27.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	n/a	-	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 15 lb	FT = 20%

LUMBER		
TOP CHORD	2x4 SP N	o.2
BOT CHORD	2x4 SP N	o.2
WEBS	2x4 SP N	0.3
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	3-10-6 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(lb/size)	2=129/3-10-0, (min. 0-1-8),
	()	3=129/3-10-0, (min. 0-1-8)
	Max Horiz	3=-61 (LC 8)
	Max Uplift	3=-8 (LC 8)
	Max Grav	2=129 (LC 1), 3=133 (LC 18)
		,

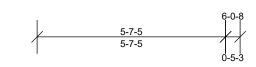
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.

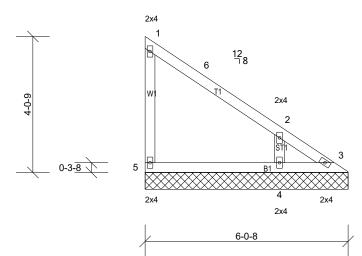
NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=29ft; B=58ft; L=40ft; eave=5ft; Ke=1.00; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 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
- Gable requires continuous bottom chord bearing. 2)
- 3) 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
- 4) 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.
- 5) Provide mechanical connection (by others) of truss to
- bearing plate capable of withstanding 8 lb uplift at joint 3. This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and 6) R802.10.2 and referenced standard ANSI/TPI 1.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V16	Valley	1	1	Job Reference (optional)

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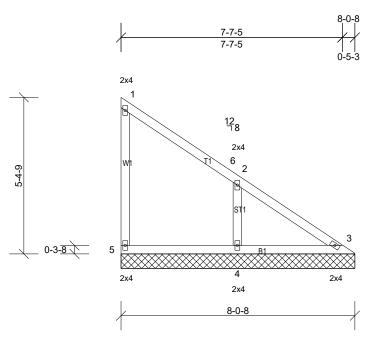
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			1								
Loading (psf) TCLL (roof) 20.0 TCDL 10.0 BCLL 0.0* BCDL 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	CSI TC BC WB Matrix-P	0.22 0.12 0.09	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.00	(loc) - - 3	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 25 lb	GRIP 244/190 FT = 20%
6-0-0 oc purlins, ex	eathing directly applied o ccept end verticals. / applied or 10-0-0 oc	bearing plate 5, 34 lb uplif 8) This truss is International R802.10.2 a	hanical connection e capable of withsta at joint 3 and 34 lb designed in accord Residential Code s nd referenced stand Standard	inding 1 uplift a lance w sections	4 lb uplift at jo at joint 4. ith the 2018 s R502.11.1 ar	pint					
4=317/6-0 5=125/6-0 Max Horiz 5=-103 (L Max Uplift 3=-34 (LC 5=-14 (LC Max Grav 3=54 (LC (LC 18)	 11), 4=-34 (LC 12), 8), 4=317 (LC 1), 5=130 8), 4=317 (LC 1), 5=130 ax. Ten All forces 250 when shown. and C-C Corner(3E) 00 to 5-7-1 zone; and C-C Corner(3E) 00 to 5-7-1 zone; and forces & MWFRS DL=1.60 plate grip in the plane of the truss d (normal to the face), nd Details as applicable, igner as per ANSI/TPI 1. om chord bearing. or a 10.0 psf bottom where a rectangle 										

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V17	Valley	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:34 Carolina Structural Systems, Star, NC 27356, Jeremy Phillips

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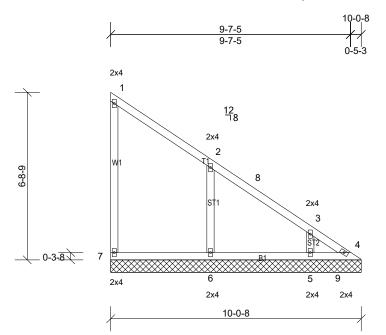
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											-	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	тс	0.39	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(TL)	n/a	-	n/a	999	1	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	3	n/a	n/a	1	
BCDL	10.0	Code	IRC2018/TPI2014	Matrix-P		. ,					Weight: 36 lb	FT = 20%
		I										-
LUMBER			7) Provide me	chanical connec	ction (by oth	ers) of truss	to					
TOP CHORE	2x4 SP No.2			e capable of wit								
BOT CHORE	D 2x4 SP No.2			uplift at joint 4.								
WEBS	2x4 SP No.3		This truss is									
OTHERS	2x4 SP No.3			Residential Co			and					
BRACING				ind referenced	standard AN	NSI/TPL1.						
TOP CHORE	D Structural wood she	eathing directly applied	l or LOAD CASE(S)	Standard								
	6-0-0 oc purlins, ex	cept end verticals.										
BOT CHORE		y applied or 10-0-0 oc										
	bracing.											
REACTIONS	3 (lb/size) 3=105/8-	0-8, (min. 0-1-8),										
	4=372/8-	0-8, (min. 0-1-8),										
		0-8, (min. 0-1-8)										
	Max Horiz 5=-141 (L											
	Max Uplift 4=-40 (L0											
	Max Grav 3=126 (L											
	5=125 (L	,										
FORCES		lax. Ten All forces 25	50									
	(lb) or less except v	when shown.										
TOP CHORE		170/000										
BOT CHORE WEBS	0 4-5=-178/299, 3-4= 2-4=-279/290	-1/0/299										
NOTES	2-4219/290											
	SCE 7-16; Vult=115mpl	(3-second quet)										
	mph; TCDL=6.0psf; B(
	_=40ft; eave=2ft; Ke=1.											
	; MWFRS (directional											
0-1-12 to	4-0-0, Exterior(2N) 4-	0-0 to 7-7-1 zone;										
	er left and right exposed											
	osed;C-C for members		3									
	ions shown; Lumber D	OL=1.60 plate grip										
DOL=1.6			_									
	esigned for wind loads r studs exposed to win		S									
	idard Industry Gable E		۵									
	It qualified building des											
			1.									

- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 4-0-0 oc.
- 5) 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
 3-06-00 tail by 2-00-00 wide will fit between the bottom chord any other mombers. 6) chord and any other members.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V18	Valley	1	1	Job Reference (optional)

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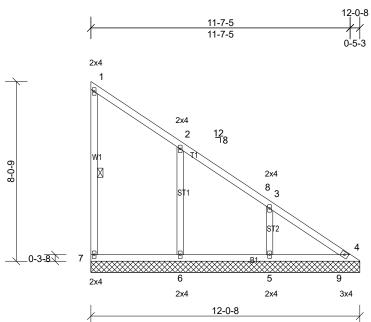
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				_										
Loading TCLL (roof)	(psf) 20.0	Spacing Plate Grip DOL	2-0-0 1.00	CSI TC	0.41	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190		
TCDL	10.0	Lumber DOL	1.15		0.17	Vert(TL)	n/a	-	n/a	999				
BCLL BCDL	0.0* 10.0	Rep Stress Incr Code	YES IRC2018/TPI2014	WB Matrix-S	0.08	Horiz(TL)	0.00	4	n/a	n/a	Weight: 48 lb	FT = 20%		
LUMBER			7) Provide med									·		
	2x4 SP No.2 2x4 SP No.2		(s) 7, 4, 6, 5	e capable of w	ithstanding	100 lb uplift a	tjoint							
WEBS	2x4 SP No.3		8) This truss is		ccordance v	vith the 2018								
OTHERS	2x4 SP No.3		International Residential Code sections R502.11.1 and											
BRACING				and referenced	standard Al	NSI/TPI 1.								
TOP CHORD		eathing directly applied	or LOAD CASE(S)	Standard										
BOT CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.	ccept end verticals. y applied or 10-0-0 oc												
REACTIONS	All bearings 10-0-8.													
(lb) -	Max Horiz 7=-179 (L	/	`											
	4, 5, 6, 7	100 (lb) or less at joint(s)											
		ons 250 (lb) or less at jo	int											
	(s) 4, 7 e: 6=457 (L	xcept 5=298 (LC 18), C 18)												
FORCES	(lb) - Max. Comp./N (lb) or less except w	lax. Ten All forces 250)											
TOP CHORD		-309/190, 3-4=-401/257												
	,	-205/341, 5-9=-205/341												
WEBS	2-6=-268/260													
NOTES														
	CE 7-16; Vult=115mpl													
	nph; TCDL=6.0psf; B0 40ft; eave=2ft; Ke=1.													
		and C-C Corner(3E)												
	4-0-0, Exterior(2N) 4-													
		d ; end vertical left and and forces & MWFRS												
	ns shown; Lumber D													
DOL=1.60)													
		in the plane of the truss												
		d (normal to the face), nd Details as applicable												
		signer as per ANSI/TPI												
	uires continuous botto													
	ds spaced at 4-0-0 oc has been designed fo													
		vith any other live loads												
6) * This trus	s has been designed	for a live load of 20.0ps												
	tom chord in all areas													
		I fit between the bottom with BCDL = 10.0psf.												
	any other members,	- 10.0psi.												

Job	Truss	Truss Type	Qty	Ply	Hughes	
Q2302112	V19	Valley	1	1	Job Reference (optional)	
Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:34						Page: 1

Carolina Structural Systems, Star, NC 27356, Jeremy Phillips Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:34

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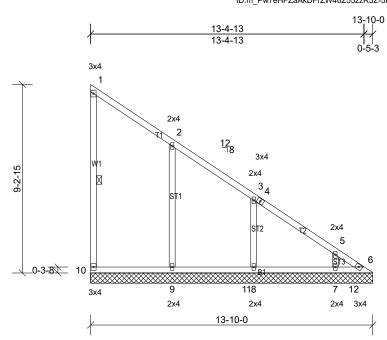
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Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	TC 0.60 BC 0.16 WB 0.13	Vert(LL) n/ Vert(TL) n/	a -	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 60 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD WEBS REACTIONS	2x4 SP No.2 2x4 SP No.3 2x4 SP No.3 Structural wood sh 6-0-0 oc purlins, e	eathing directly applied xcept end verticals. y applied or 10-0-0 oc 1-7	on the botto 3-06-00 tall chord and a 7) Provide me bearing plat (s) 7, 6, 5. or 8) This truss is Internationa	has been designed for a l om chord in all areas wher by 2-00-00 wide will fit be any other members, with E chanical connection (by of te capable of withstanding s designed in accordance al Residential Code section and referenced standard A) Standard	e a rectangle tween the bottom CDL = 10.0psf. hers) of truss to 100 lb uplift at joint with the 2018 ns R502.11.1 and					
(lb) -	Max Horiz 7=-217 (I Max Uplift All uplift 5, 6, 7 Max Grav All reaction	100 (lb) or less at joint(s ons 250 (lb) or less at jo xcept 5=391 (LC 18),	,							
	(lb) - Max. Comp./N (lb) or less except v 2-8=-277/219, 3-8=	/ax. Ten All forces 250)							
 Wind: ASC Vasd=91m B=58ft; L= Enclosed; 0-1-12 to 4 cantilever right exposition 	4-0-0, Exterior(2N) 4- left and right expose sed;C-C for members ns shown; Lumber D	CDL=6.0psf; h=29ft; .00; Cat. II; Exp B;) and C-C Corner(3E) .0-0 to 11-7-1 zone; d ; end vertical left and s and forces & MWFRS								
 Truss des only. For s see Standa or consult Gable requirable Gable studie 	igned for wind loads studs exposed to win ard Industry Gable E	о. С.	9,							

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Job	Truss	Truss Type	Qty	Ply	Hughes
Q2302112	V20	Valley	1	1	Job Reference (optional)

Run: 8.62 S Oct 13 2022 Print: 8.620 S Oct 13 2022 MiTek Industries, Inc. Tue Jan 02 11:30:34 Page: 1 ID:m_Pw7eHFZaAkDFrZW46Z55zzR5Z-5RGxNm5zU16IL87SvkDh3IJ5FGf6?7S5AzYwhhzzQNJ



Scale = 1:56.5

Loading TCLL (roof) TCDL BCLL BCDL	(psf) 20.0 10.0 0.0* 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-0-0 1.00 1.15 YES IRC2018/TPI2014	BC 0.	.70 .19	DEFL Vert(LL) Vert(TL) Horiz(TL)	in n/a n/a 0.01	(loc) - - 6	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 72 lb	GRIP 244/190 FT = 20%
BOT CHORE WEBS OTHERS BRACING TOP CHORE BOT CHORE WEBS REACTIONS	2x4 SP No.3 2x4 SP No.3 O Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt S All bearings 13-10-0.	y applied or 10-0-0 oc 1-10	on the botton 3-06-00 tall I chord and an 7) Provide mec bearing plate (s) 10, 6, 9, i or 8) This truss is International	designed in accordance Residential Code second referenced standar	nere a betwe n BCE v other ng 10 ce with tions f	a rectangle een the bottor DL = 10.0psf. rrs) of truss to 00 lb uplift at ju h the 2018 R502.11.1 and	m oint					
	- Max Horiz 10=-251 Max Uplift All uplift 6, 7, 8, 9, Max Grav All reactio (s) 6, 10	(LC 8) 100 (lb) or less at joint(s										
FORCES TOP CHORE BOT CHORE	(lb) - Max. Comp./N (lb) or less except w) 3-4=-294/262, 4-5=	lax. Ten All forces 250 vhen shown. -320/258, 5-6=-385/306 1=-239/318, =-239/318,										
NOTES 1) Wind: AS Vasd=91 B=58ft; L Enclosec 0-1-12 to cantileve right exp for reacti DOL=1.6 2) Truss de only. Foo see Stan or consul 3) Gable rea	CE 7-16; Vult=115mpl mph; TCDL=6.0psf; B =40ft; eave=5ft; Ke=1. d; MWFRS (directional) d; MWFRS (directional) d; A-0-0, Interior (1) 4-0- r left and right exposed osed;C-C for members ons shown; Lumber D(0 ssigned for wind loads r studs exposed to wind dard Industry Gable Ei	CDL=6.0psf; h=29ft; .00; Cat. II; Exp B;) and C-C Exterior(2E) 0 to 13-4-9 zone; d ; end vertical left and s and forces & MWFRS OL=1.60 plate grip in the plane of the truss d (normal to the face), nd Details as applicable signer as per ANSI/TPI om chord bearing.	5 9,									

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.