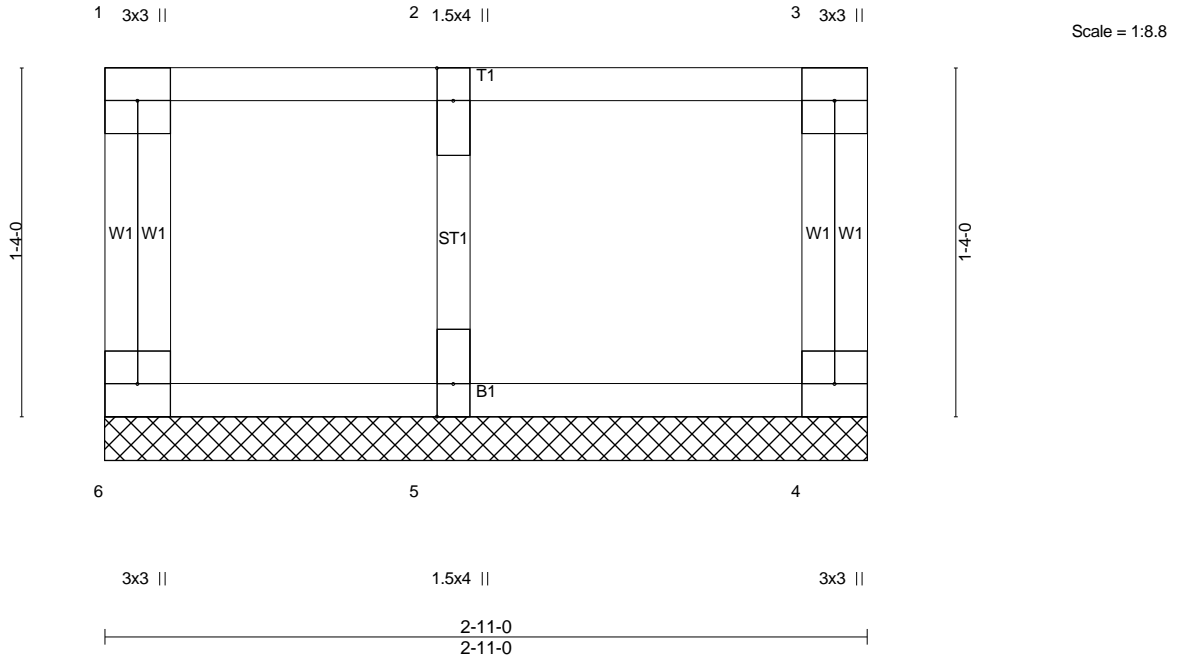


Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F1E	Floor Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:41 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-d2uHu0HE87zEgZXla5qFVVG28oAu0OdTuzcLHTyWBEy



LOADING (psf)	SPACING-	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	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	4	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R					Weight: 17 lb	FT = 20%F, 115

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 2-11-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	
OTHERS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 6=65/2-11-0 (min. 0-1-8), 4=79/2-11-0 (min. 0-1-8), 5=150/2-11-0 (min. 0-1-8)

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

NOTES-

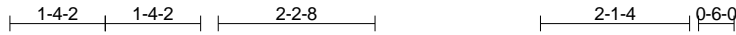
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1'-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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

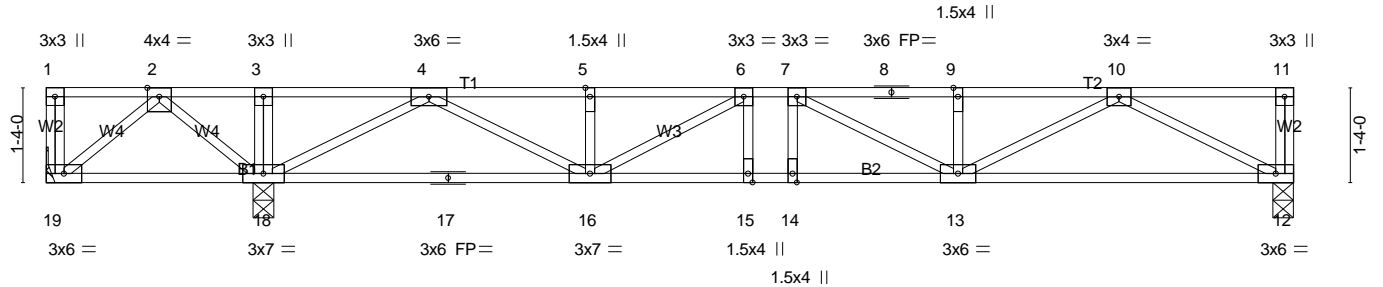
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F2	Floor	5	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:42 2020 Page 1
 ID:hjOMP88mnrQZrZEntywViFyWSr_-5ESf6MlsvR651j6U8oLU1jo5SCPrijmc6dMvpvyWBEx



Scale = 1:32.5



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 0.62	Vert(LL)	-0.09 13-14	>999	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(CT)	-0.12 13-14	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.02 12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 95 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(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 6-0-0 oc bracing.

REACTIONS. (lb/size) 19=461/Mechanical, 18=1705/0-3-8 (min. 0-1-8), 12=662/0-3-8 (min. 0-1-8)
 Max Uplift 19=575(LC 4)
 Max Grav 18=1705(LC 1), 12=663(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=0/1465, 3-4=0/1469, 4-5=-1042/0, 5-6=-1042/0, 6-7=-1601/0, 7-8=-1613/0, 8-9=-1613/0, 9-10=-1613/0
 BOT CHORD 18-19=-727/0, 15-16=0/1601, 14-15=0/1601, 13-14=0/1601, 12-13=0/1061
 WEBS 2-19=0/941, 2-18=-1058/0, 10-12=-1194/0, 4-18=-1679/0, 10-13=0/626, 4-16=0/1155, 9-13=-252/0, 6-16=-658/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=575.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard

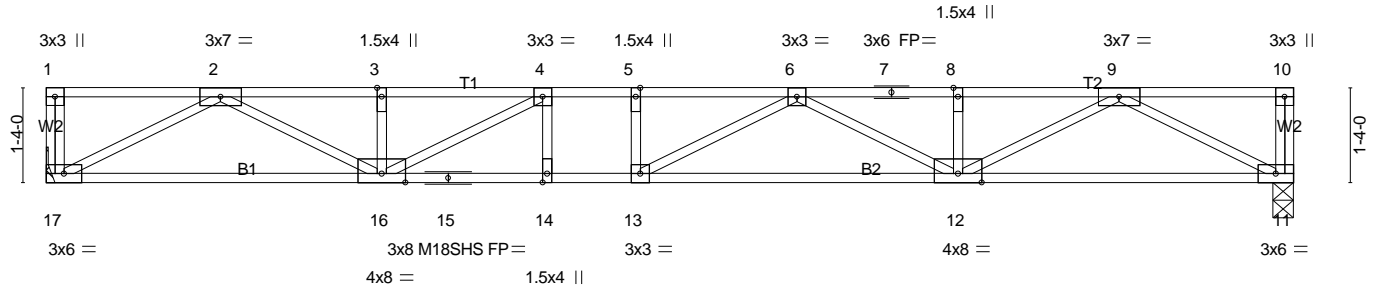
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F3	Floor	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:44 2020 Page 1
ID:hjOMp88mnrQZrZEntyWViFyWSr_-1caQW1J7R2MoX0fFDNy68uPL??nDcjavxr?uoyWBEV



Scale = 1:32.5



17-7-0 17-7-0									
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 0.72	Vert(LL)	-0.27 12-13	>782	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.38 12-13	>546	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.58	Horz(CT)	0.06 11	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 91 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=953/Mechanical, 11=953/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-2693/0, 3-4=-2693/0, 4-5=-3365/0, 5-6=-3365/0, 6-7=-2709/0, 7-8=-2709/0, 8-9=-2709/0
BOT CHORD 16-17=0/1618, 15-16=0/3365, 14-15=0/3365, 13-14=0/3365, 12-13=0/3294, 11-12=0/1625
WEBS 9-11=-1830/0, 2-17=-1822/0, 9-12=0/1228, 2-16=0/1218, 6-12=-662/0, 4-16=-906/0, 6-13=-221/429

NOTES-

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- Refer to girder(s) for truss to truss connections.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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

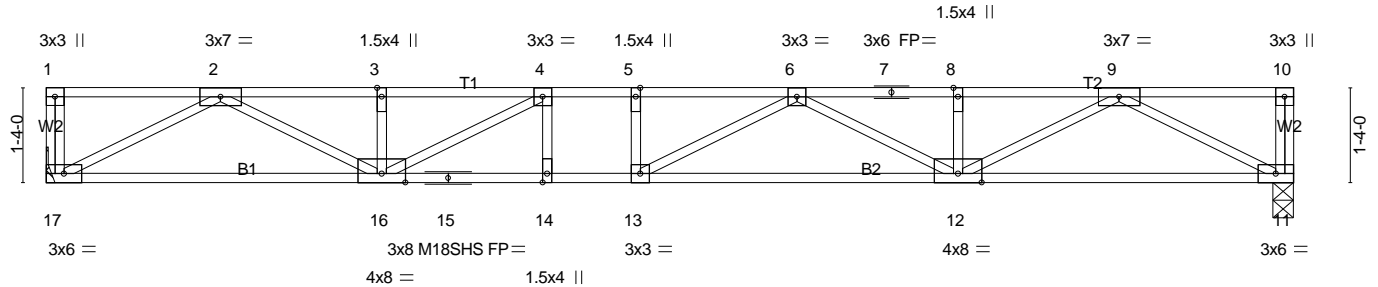
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F4	Floor	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:45 2020 Page 1
 ID:hjOMp88mnrQZrZEntywViFyWSr_-Vp8okNKICMUf9Aq3pxvBfLQa5PL0y3z2pbaZQEYWBEu



Scale = 1:32.5



17-7-0		17-7-0							
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 0.72	Vert(LL)	-0.27 12-13	>782	480	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.78	Vert(CT)	-0.38 12-13	>546	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.58	Horz(CT)	0.06 11	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 91 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 17=953/Mechanical, 11=953/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-2693/0, 3-4=-2693/0, 4-5=-3365/0, 5-6=-3365/0, 6-7=-2709/0, 7-8=-2709/0, 8-9=-2709/0
 BOT CHORD 16-17=0/1618, 15-16=0/3365, 14-15=0/3365, 13-14=0/3365, 12-13=0/3294, 11-12=0/1625
 WEBS 9-11=-1830/0, 2-17=-1822/0, 9-12=0/1228, 2-16=0/1218, 6-12=-662/0, 4-16=-906/0, 6-13=-221/429

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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

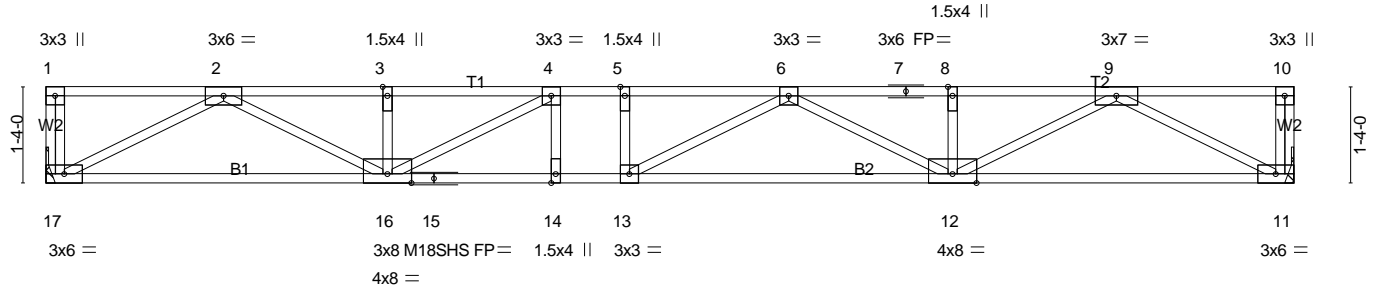
Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F5	Floor	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:47 2020 Page 1
 ID:hjOMp88mnrQZrZEntrywViFyWSr_-SBFY93L?kzkNOU_SxMxfkmWy8D2YQ_LGU3gU7yWBES



Scale: 3/8"=1'



		17-3-8 17-3-8			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	PLATES GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.62	Vert(LL) -0.24 12-13 >854 480	MT20 197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.71	Vert(CT) -0.34 12-13 >596 360	M18SHS 244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.57	Horz(CT) 0.06 11 n/a n/a	
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S		Weight: 90 lb FT = 20%F, 11'

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)	TOP CHORD Structural wood sheathing directly applied or 5-8-12 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 17=937/Mechanical, 11=937/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2635/0, 3-4=-2635/0, 4-5=-3258/0, 5-6=-3258/0, 6-7=-2647/0, 7-8=-2647/0, 8-9=-2647/0
 BOT CHORD 16-17=0/1587, 15-16=0/3258, 14-15=0/3258, 13-14=0/3258, 12-13=0/3203, 11-12=0/1593
 WEBS 9-11=-1794/0, 2-17=-1787/0, 9-12=0/1194, 2-16=0/1187, 6-12=-630/0, 4-16=-835/0, 6-13=-232/392

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) All plates are MT20 plates unless otherwise indicated.
 - 3) Refer to girder(s) for truss to truss connections.
 - 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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	Hicks Residence - Milltown
2000813-2000813A	F6	Floor	2	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:48 2020 Page 1
ID:hjOMp88mnrQZrZEntywViFyWSr_-wOpXMPMdVHsE0eZeU3SuH_2AwdU79UWVVYpD1ZyWBEr



Scale: 3/8"=1'

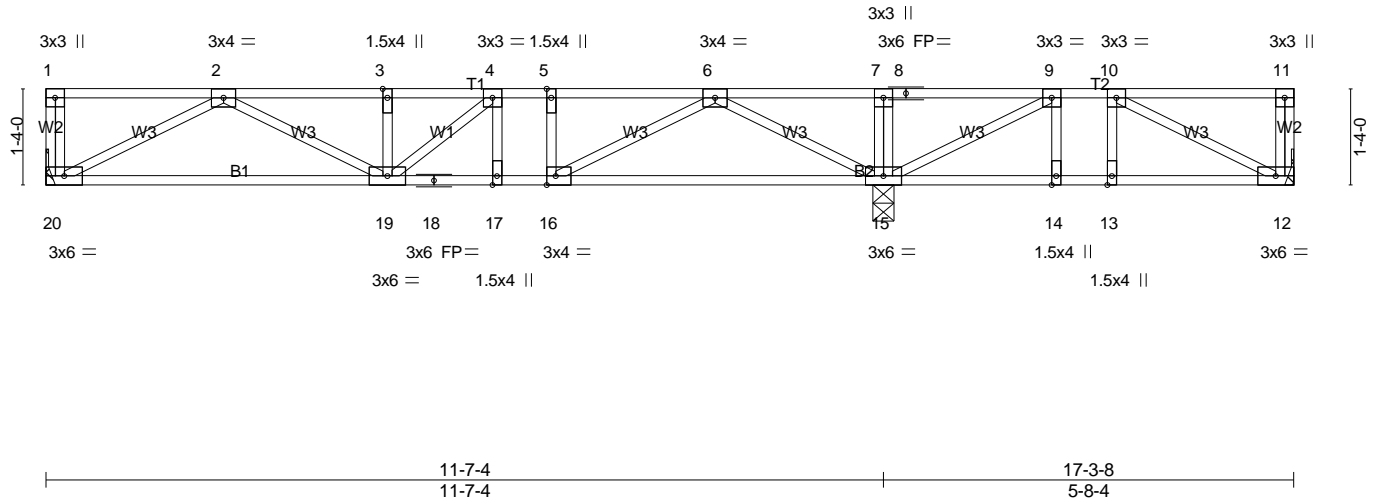


Plate Offsets (X,Y)-- [16:0-1-8,Edge]		11-7-4 11-7-4		17-3-8 5-8-4	
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.43	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.37	Vert(LL) -0.05 17-19 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.34	Vert(CT) -0.07 19-20 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 94 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(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 6-0-0 oc bracing.

REACTIONS. (lb/size) 20=571/Mechanical, 12=182/Mechanical, 15=1122/0-3-8 (min. 0-1-8)
 Max Uplift 12=33(LC 3)
 Max Grav 20=584(LC 10), 12=263(LC 4), 15=1122(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1302/0, 3-4=-1302/0, 4-5=-1223/0, 5-6=-1223/0, 6-7=0/617, 7-8=0/617, 8-9=0/617, 9-10=-283/167
 BOT CHORD 19-20=0/912, 18-19=0/1223, 17-18=0/1223, 16-17=0/1223, 15-16=0/646, 14-15=-167/283, 13-14=-167/283,
 12-13=-167/283
 WEBS 2-20=-1027/0, 6-15=-1215/0, 2-19=0/441, 6-16=0/717, 10-12=-316/188, 9-15=-689/0, 4-19=-110/257

NOTES-

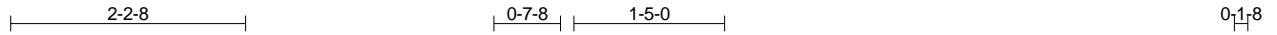
- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12.
- 4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F7	Floor	3	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:50 2020 Page 1
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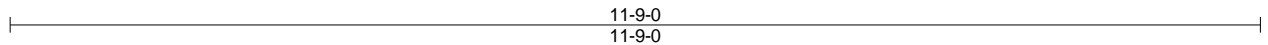
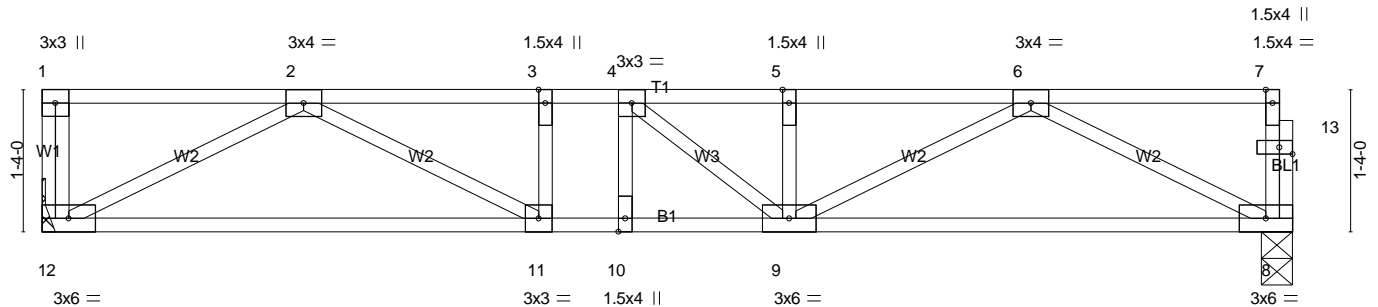


Plate Offsets (X,Y)-- [13:0-1-8,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.33	Vert(LL)	-0.06	9-10	>999	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.52	Vert(CT)	-0.09	11-12	>999		
BCLL 0.0	Lumber DOL 1.00	WB 0.30	Horz(CT)	0.02	8	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 63 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(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. (lb/size) 12=632/Mechanical, 8=626/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1484/0, 3-4=-1484/0, 4-5=-1483/0, 5-6=-1483/0
 BOT CHORD 11-12=0/1006, 10-11=0/1484, 9-10=0/1484, 8-9=0/1002
 WEBS 6-8=-1124/0, 2-12=-1133/0, 6-9=0/544, 2-11=0/558

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F8	Floor	7	1	Job Reference (optional)

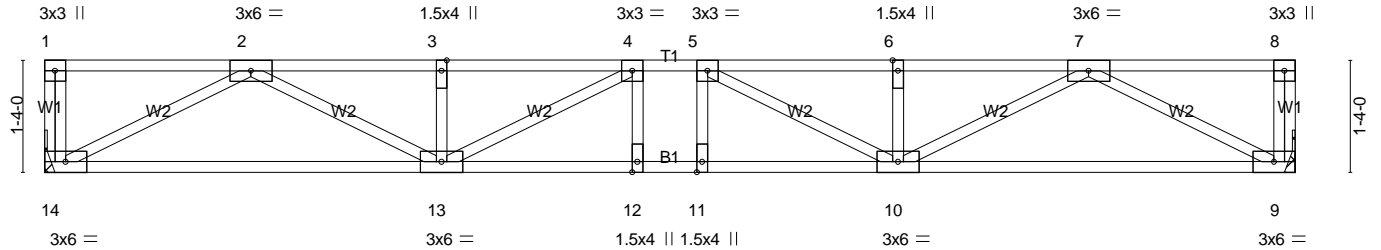
84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:53 2020 Page 1
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2-2-8

0-7-12

Scale = 1:27.4



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP		
						in	(loc)	l/defl	L/d					
TCLL	40.0	Plate Grip DOL	2-0-0	TC	0.40	Vert(LL)	-0.13	12	>999	480	MT20	197/144		
TCDL	10.0	Lumber DOL	1.00	BC	0.70	Vert(CT)	-0.18	12	>975	360				
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.04	9	n/a	n/a				
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S										
											Weight: 79 lb		FT = 20%F, 11'	

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(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. (lb/size) 14=806/Mechanical, 9=806/Mechanical

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

TOP CHORD 2-3=-2148/0, 3-4=-2148/0, 4-5=-2449/0, 5-6=-2148/0, 6-7=-2148/0
 BOT CHORD 13-14=0/1334, 12-13=0/2449, 11-12=0/2449, 10-11=0/2449, 9-10=0/1334
 WEBS 7-9=-1502/0, 2-14=-1502/0, 7-10=0/922, 2-13=0/922, 6-10=-250/0, 3-13=-250/0, 5-10=-502/16, 4-13=-502/16

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

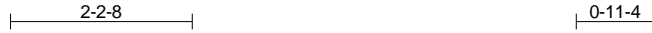
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F9	Floor	6	1	Job Reference (optional)

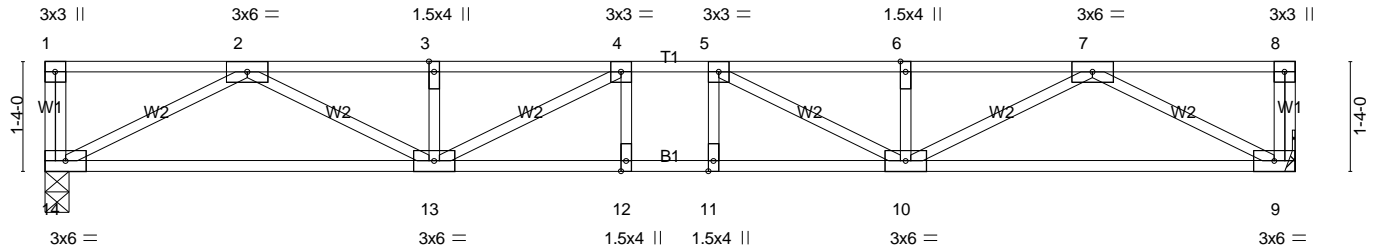
84 Components, Dunn, NC 28334

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Scale = 1:28.0



		15-2-4		15-2-4			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	PLATES
TCLL 40.0	Plate Grip DOL	1.00	TC 0.44	Vert(LL)	-0.14 12	>999	480
TCDL 10.0	Lumber DOL	1.00	BC 0.76	Vert(CT)	-0.19 11-12	>924	360
BCLL 0.0	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.04 9	n/a	n/a
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S				
							GRIP
							MT20
							197/144
							Weight: 80 lb
							FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(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. (lb/size) 14=822/0-3-8 (min. 0-1-8), 9=822/Mechanical

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

TOP CHORD 2-3=-2209/0, 3-4=-2209/0, 4-5=-2540/0, 5-6=-2209/0, 6-7=-2209/0
 BOT CHORD 13-14=0/1365, 12-13=0/2540, 11-12=0/2540, 10-11=0/2540, 9-10=0/1365
 WEBS 7-9=-1537/0, 2-14=-1537/0, 7-10=0/956, 2-13=0/956, 6-10=-257/0, 3-13=-257/0, 5-10=-552/0, 4-13=-552/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.

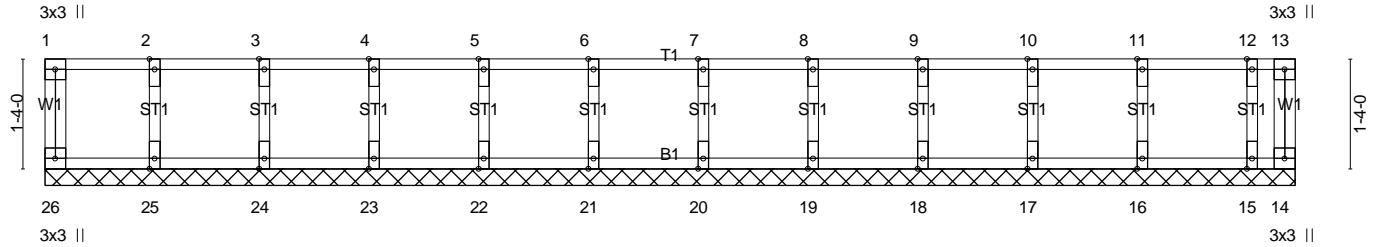
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F9E	Floor Supported Gable	1	1	Job Reference (optional)

84 Components, Dunn, NC 28334

8,400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:56 2020 Page 1
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Scale = 1:28.0



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	2-0-0	TC	0.08	in	(loc)	l/defl	L/d	MT20	197/144		
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(LL)	n/a	-	n/a				
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Vert(CT)	n/a	-	n/a				
BCDL	5.0	Code IRC2015/TPI2014		Matrix-R		Horz(CT)	0.00	14	n/a				
										Weight: 69 lb		FT = 20%F, 11'	

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(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 15-2-4.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 26, 14, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

FORCES.

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

NOTES-

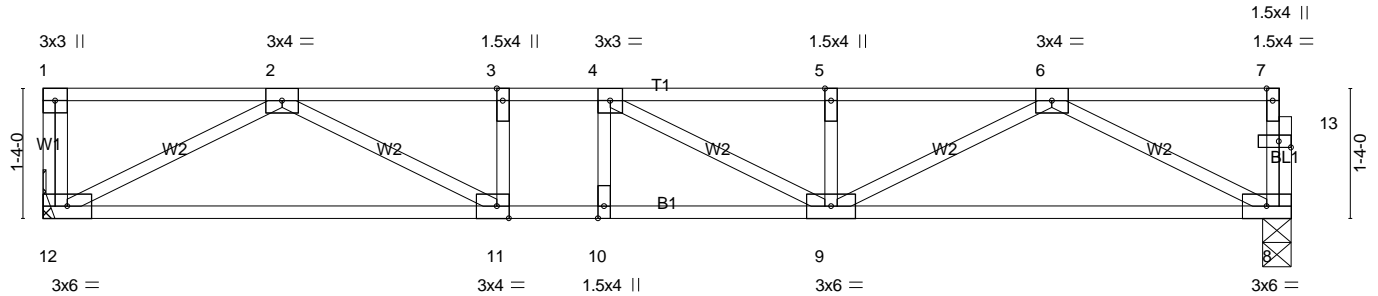
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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	Hicks Residence - Milltown
2000813-2000813A	F11	Floor	5	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:46:59 2020 Page 1
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12-10-0	
12-10-0	
Plate Offsets (X,Y)-- [11:0-1-8,Edge], [13:0-1-8,0-0-12]	

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.76	Vert(LL) -0.10 9-10 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.34	Vert(CT) -0.14 9-10 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2015/TPI2014			Weight: 67 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(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. (lb/size) 12=692/Mechanical, 8=686/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1744/0, 3-4=-1744/0, 4-5=-1729/0, 5-6=-1729/0
 BOT CHORD 11-12=0/1122, 10-11=0/1744, 9-10=0/1744, 8-9=0/1114
 WEBS 6-8=-1249/0, 2-12=-1263/0, 6-9=0/697, 2-11=0/721, 5-9=-270/0, 4-9=-271/182

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F11E	Floor Supported Gable	1	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:47:01 2020 Page 1
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0.1-8

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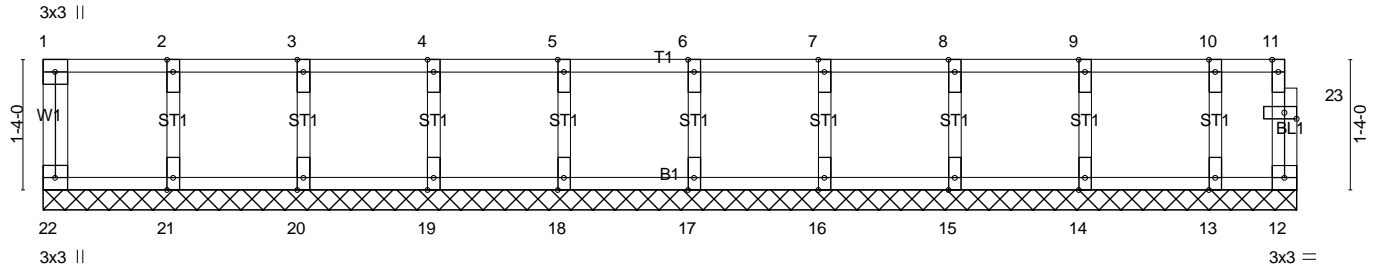


Plate Offsets (X,Y)-- [23:0-1-8,0-0-12]		12-10-0		12-10-0	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.08	Vert(LL) n/a - n/a 999	MT20	197/144
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 12 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R			
				Weight: 59 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(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 12-10-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

FORCES.

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

NOTES-

- All plates are 1.5x4 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.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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.
- CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Hicks Residence - Milltown
2000813-2000813A	F12	Floor	3	1	Job Reference (optional)

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8.400 s Apr 7 2020 MiTek Industries, Inc. Tue Oct 6 09:47:02 2020 Page 1
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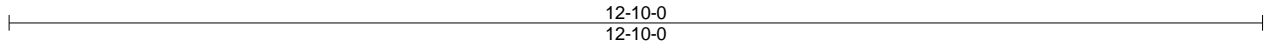
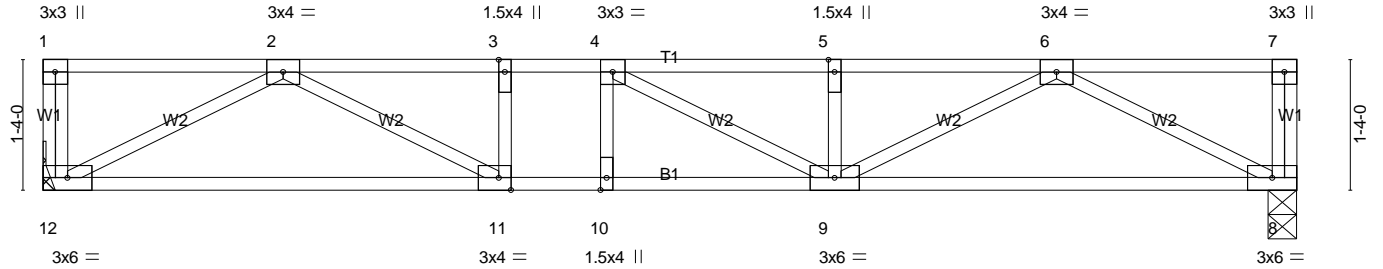


Plate Offsets (X,Y)-- [11:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.76	Vert(LL) -0.10 9-10 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.34	Vert(CT) -0.14 9-10 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 8 n/a n/a		
	Code IRC2015/TPI2014			Weight: 68 lb	FT = 20%F, 11'

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2(flat)
 WEBS 2x4 SP No.3(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. (lb/size) 12=692/Mechanical, 8=692/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1745/0, 3-4=-1745/0, 4-5=-1729/0, 5-6=-1729/0
 BOT CHORD 11-12=0/1122, 10-11=0/1745, 9-10=0/1745, 8-9=0/1116
 WEBS 6-8=-1257/0, 2-12=-1263/0, 6-9=0/694, 2-11=0/721, 5-9=-269/0, 4-9=-271/181

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 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