

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:48 2021 Page 1
ID:xHZrHX31iru9bD8JP1MzjzJfNs-IzlvCz6lDKwZyTKtMJNGbynWxrHYqkz5p7qLKgymZ7r



Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F1A	Floor	3	1	

Champion Truss, Inc., Albuquerque NM 87105

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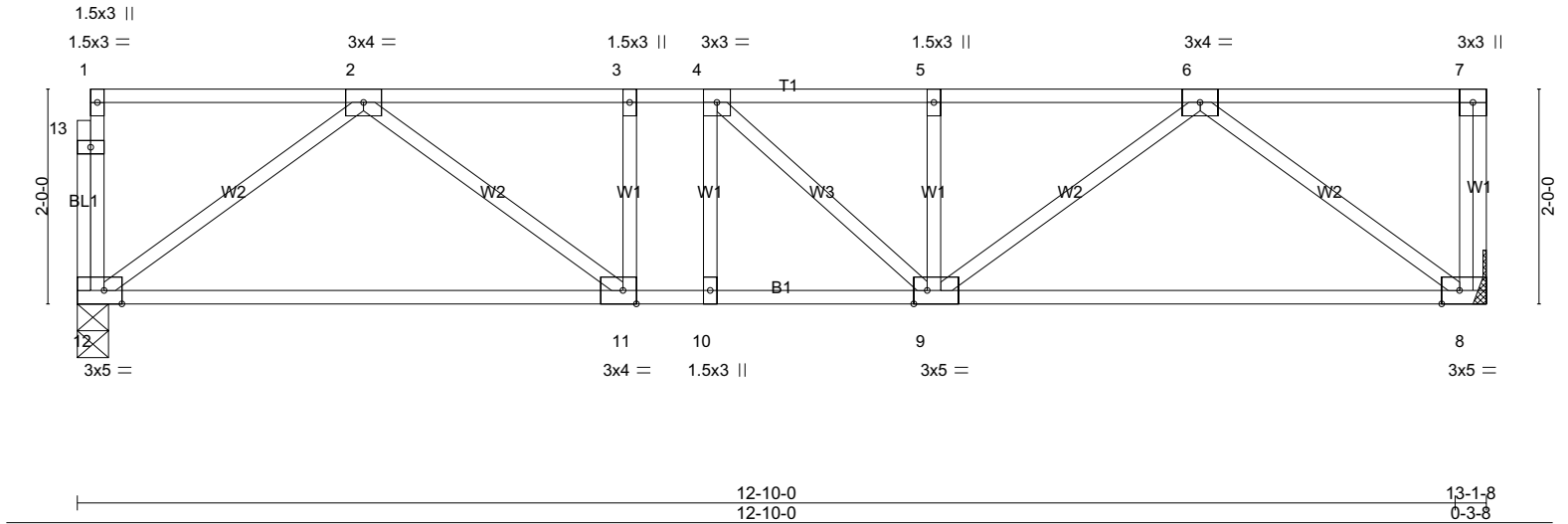
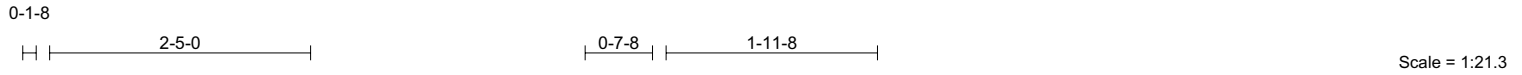


Plate Offsets (X,Y)-- [8:0-2-0,Edge], [9:0-1-8,Edge], [11:0-1-8,Edge], [12:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.27	Vert(LL)	-0.05	9-10	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.43	Vert(CT)	-0.15	11-12	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.34	Horz(CT)	0.02	8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 60 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 SPF Stud(flat)

BRACING-

TOP CHORD Sheathed 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=766/0-3-8 (min. 0-1-8), 8=772/Mechanical

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

TOP CHORD 2-3=-1308/0, 3-4=-1308/0, 4-5=-1309/0, 5-6=-1309/0
BOT CHORD 11-12=0/857, 10-11=0/1308, 9-10=0/1308, 8-9=0/855
WEBS 6-8=-1062/0, 2-12=-1061/0, 6-9=0/569, 2-11=0/575

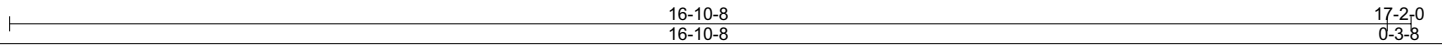
NOTES-

- Unbalanced floor live loads have been considered for this design.
- 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.
- CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:50 2021 Page 1
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0-1-8
Scale = 1:28.2



LUMBER-		BRACING-	
TOP CHORD	2x4 SPF 1650F 1.5E(flat)	TOP CHORD	Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 1650F 1.5E(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF Stud(flat)		

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1960/0, 3-4=-1960/0, 4-5=-1960/0, 5-6=-2281/0, 6-7=-1960/0, 7-8=-1960/0
 BOT CHORD 15-16=0/1180, 14-15=0/2281, 13-14=0/2281, 12-13=0/2281, 11-12=0/2281, 10-11=0/1180
 WEBS 8-10=-1462/0, 2-16=-1462/0, 8-11=0/979, 2-15=0/979, 7-11=-291/0, 4-15=-291/0, 6-11=-575/0, 5-15=-575/0

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" 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.

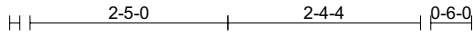
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F03	Floor	4	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:51 2021 Page 1
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0-1-8



0-1-8
Scale = 1:28.2

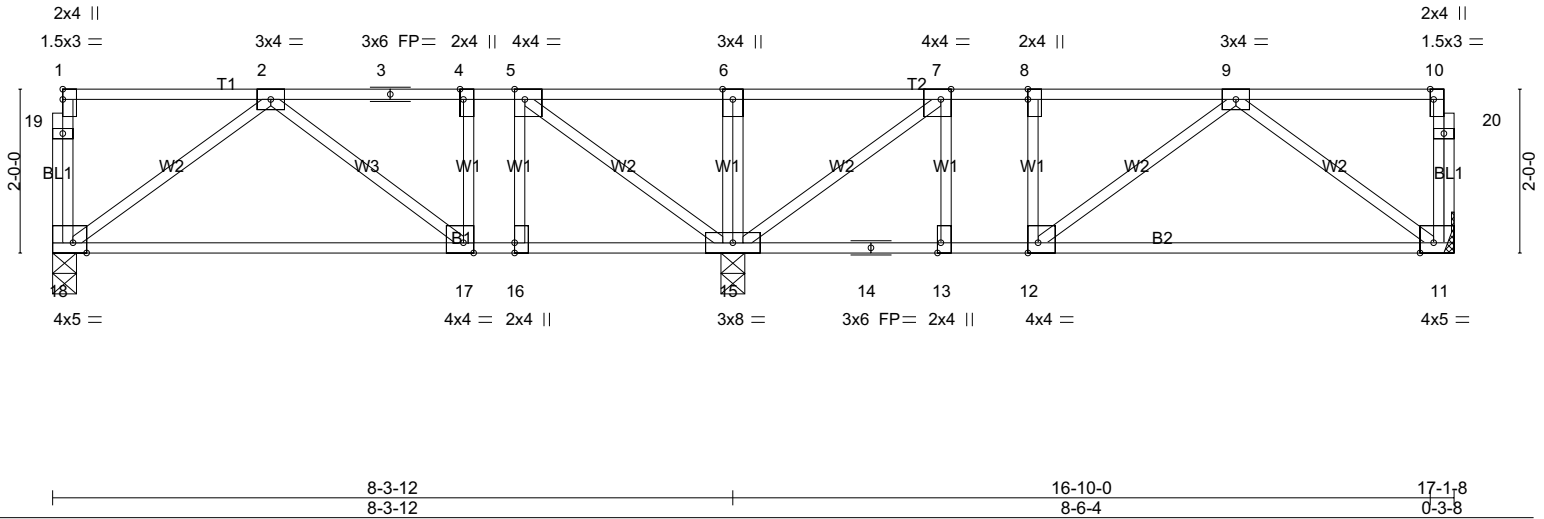


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [10:0-1-8,Edge], [11:0-2-0,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-0-0], [17:0-1-8,Edge], [18:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.33	Vert(LL)	-0.06 11-12	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.37	Vert(CT)	-0.18 11-12	>565	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.24	Horz(CT)	0.02 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 79 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 SPF Stud(flat)

BRACING-

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 18=532/0-3-8 (min. 0-1-8), 15=921/0-3-8 (min. 0-1-8), 11=559/Mechanical
Max Grav 18=562(LC 10), 15=921(LC 1), 11=573(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-743/0, 3-4=-743/0, 4-5=-743/0, 5-6=-348/0, 6-7=-348/0, 7-8=-754/0, 8-9=-754/0
BOT CHORD 17-18=0/581, 16-17=0/743, 15-16=0/743, 14-15=0/754, 13-14=0/754, 12-13=0/754, 11-12=0/594
WEBS 6-15=-254/0, 2-18=-718/0, 5-15=-599/0, 9-11=-734/0, 7-15=-606/0

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.
- 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F04	Floor	3	1	Job Reference (optional)

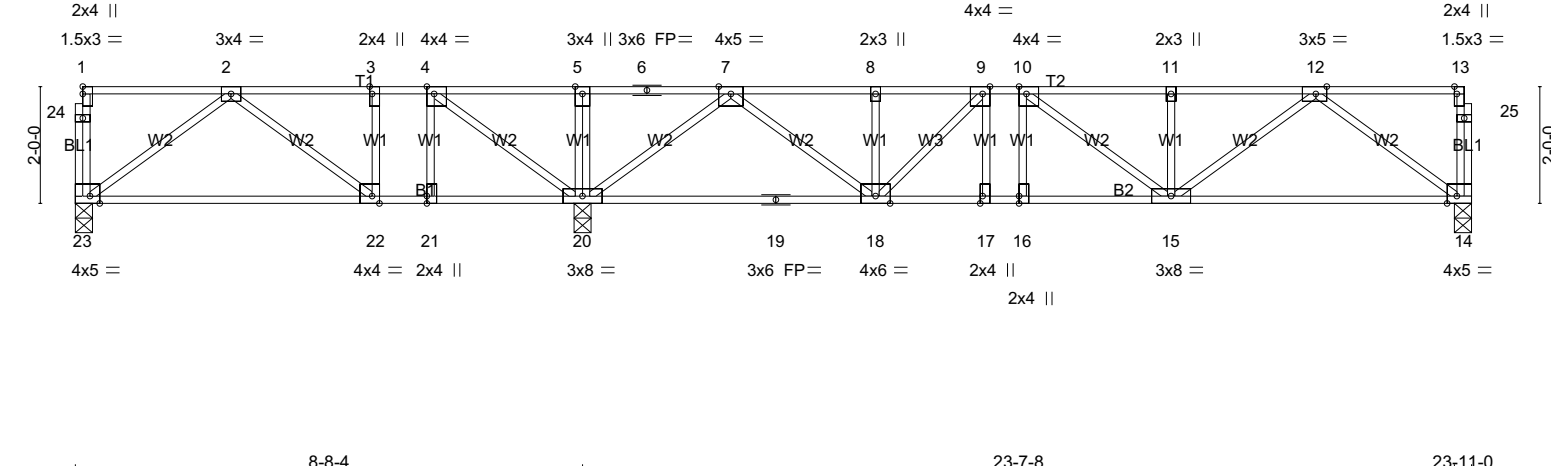


Plate Offsets (X,Y)-- [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-2-4,Edge], [13:0-1-8,Edge], [14:0-2-0,Edge], [16:0-1-8,0-0-0], [17:0-1-8,Edge], [21:0-1-8,0-0-0], [22:0-1-8,Edge], [23:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.49	Vert(LL)	-0.09 22-23	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.50	Vert(CT)	-0.23 22-23	>456	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.03 14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 108 lb	FT = 0%F, 0%E

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 SPF Stud(flat)

BRACING-
TOP CHORD Sheathed or 6'-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing, Except: 6'-0-0 oc bracing: 21-22,20-21.

REACTIONS. (lb/size) 23=408/0-3-8 (min. 0-1-8), 20=1577/0-3-8 (min. 0-1-8), 14=843/0-3-8 (min. 0-1-8)
Max Grav23=494(LC 3), 20=1577(LC 1), 14=860(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-528/116, 3-4=-528/116, 4-5=0/573, 5-6=0/573, 6-7=0/573, 7-8=-1439/0, 8-9=-1439/0, 9-10=-1661/0, 10-11=-1566/0, 11-12=-1566/0
BOT CHORD 22-23=0/488, 21-22=-116/528, 20-21=-116/528, 19-20=0/769, 18-19=0/769, 17-18=0/1661, 16-17=0/1661, 15-16=0/1661, 14-15=0/979
WEBS 2-23=-603/0, 4-20=-855/0, 12-14=-1212/0, 7-20=-1359/0, 12-15=0/737, 7-18=0/904, 11-15=-272/0, 10-15=-253/104, 9-18=-420/0

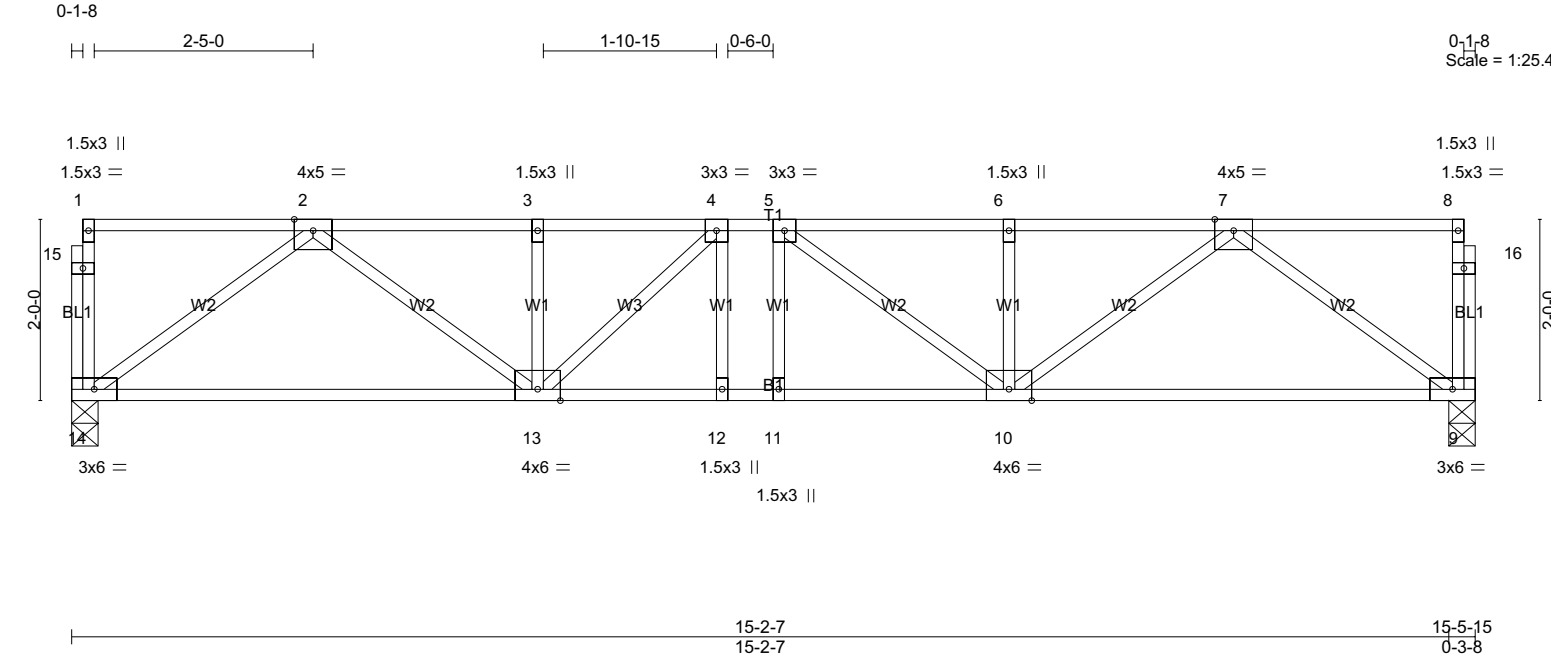
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10'-0-0 oc and fastened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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F05	Floor	4	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105
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ID:xHZrIHX31iru9bD8JP1MzjJFns-BKXQ2L9FGZR?Q5eeb8RCloXGLSI9mfShkloZTRymZ7n



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	40.0	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	-0.07	10-11	>999	360	MT20	197/144	
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.16	13-14	>999	240			
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	9	n/a	n/a			
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 71 lb		FT = 0%F, 0%E

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF 1650F 1.5E(flat)	TOP CHORD	Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 1650F 1.5E(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF Stud(flat)		

REACTIONS. (lb/size) 14=908/0-3-8 (min. 0-1-8), 9=908/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1685/0, 3-4=-1685/0, 4-5=-1865/0, 5-6=-1695/0, 6-7=-1695/0

BOT CHORD 13-14=0/1046, 12-13=0/1865, 11-12=0/1865, 10-11=0/1865, 9-10=0/1044

WEBS 7-9=-1294/0, 2-14=-1296/0, 7-10=0/815, 2-13=0/801, 6-10=-270/0, 5-10=-345/45, 4-13=-373/35

NOTES-

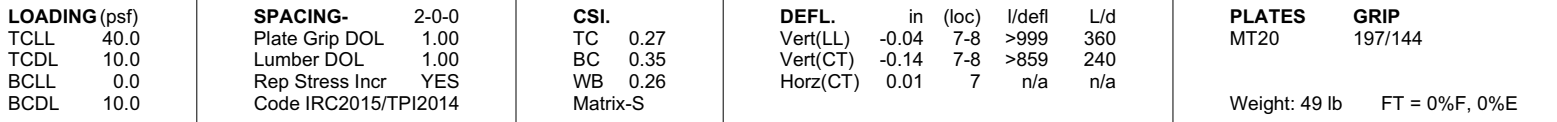
1) Unbalanced floor live loads have been considered for this design.

2) 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.

3) 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

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:53 2021 Page 1
ID:xHZrHX31iru9bD8JP1MzjzJFns-fW5oFh9t1tZs2FDq9syRI0URws86V8CqzPX6?tyMz7m



BRACING-	
TOP CHORD	Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-888/0, 3-4=-888/0, 4-5=-888/0
BOT CHORD 9-10=0/650, 8-9=0/888, 7-8=0/649
WEBS 5-7=-803/0, 2-10=-804/0, 5-8=0/344, 2-9=0/364

NOTES:-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) 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.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-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	Jay Patel
B210450F	F07	Floor	3	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:53 2021 Page 1
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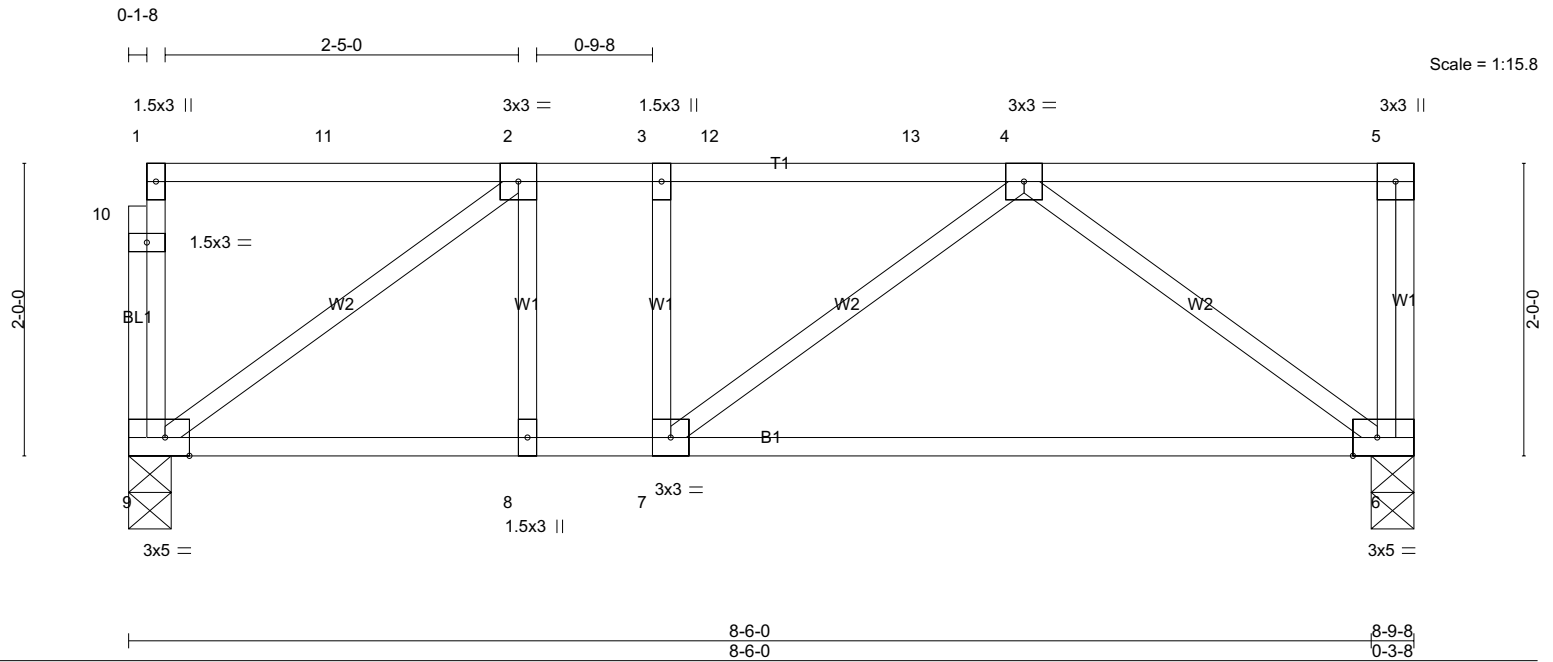


Plate Offsets (X,Y)-- [6:0-2-0,Edge], [9:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.38	Vert(LL)	-0.07	6-7	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.36	Vert(CT)	-0.19	6-7	>530	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 42 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 SPF Stud(flat)

BRACING-

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=506/0-3-8 (min. 0-1-8), 6=512/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-569/0, 3-12=-569/0, 12-13=-569/0, 4-13=-569/0
BOT CHORD 8-9=0/569, 7-8=0/569, 6-7=0/506
WEBS 4-6=-628/0, 2-9=-697/0

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) 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.
- 3) 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.
- 4) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F12	Floor	2	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105
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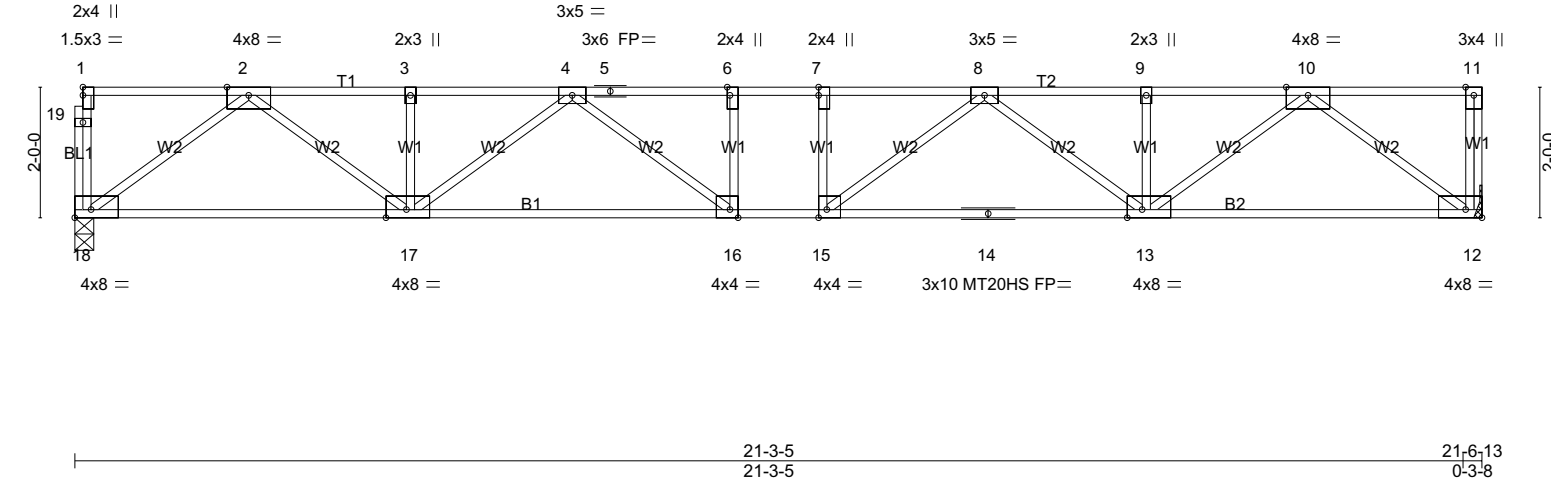
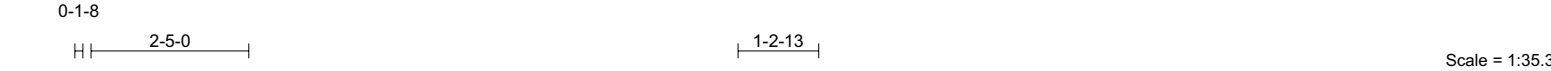


Plate Offsets (X,Y)--		[6:0-1-8,Edge], [7:0-1-8,0-0-0], [12:Edge,0-1-8], [13:0-2-12,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge], [17:0-3-12,Edge], [18:Edge,0-1-8]	
LOADING (psf)		SPACING-	
TCLL 40.0		2-0-0	
TCDL 10.0		Plate Grip DOL 1.00	
BCLL 0.0		Lumber DOL 1.00	
BCDL 10.0		Rep Stress Incr YES	
		Code IRC2015/TPI2014	
		CSL	
		TC 0.51	
		BC 0.76	
		WB 0.70	
		Matrix-S	
		DEFL.	
		in (loc) l/defl L/d	
		Vert(LL) -0.25 13-15 >999 360	
		Vert(CT) -0.39 13-15 >656 240	
		Horz(CT) 0.08 12 n/a n/a	
		PLATES GRIP	
		MT20 197/144	
		MT20HS 148/108	
		Weight: 92 lb FT = 0%F, 0%E	

LUMBER-		BRACING-	
TOP CHORD 2x4 SPF 1650F 1.5E(flat)		TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.	
BOT CHORD 2x4 SPF 1650F 1.5E(flat)		BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.	
WEBS 2x4 SPF Stud(flat)			

REACTIONS. (lb/size) 18=1273/0-3-8 (min. 0-1-8), 12=1279/Mechanical

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

TOP CHORD 2-3=-2668/0, 3-4=-2668/0, 4-5=-3646/0, 5-6=-3646/0, 6-7=-3646/0, 7-8=-3646/0, 8-9=-2667/0, 9-10=-2667/0

BOT CHORD 17-18=0/1541, 16-17=0/3330, 15-16=0/3646, 14-15=0/3330, 13-14=0/3330, 12-13=0/1542

WEBS 10-12=-1916/0, 2-18=-1910/0, 10-13=0/1411, 2-17=0/1413, 8-13=-831/0, 4-17=-831/0, 8-15=-8/652, 4-16=-7/652

- 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.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F13	Floor	3	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:55 2021 Page 1
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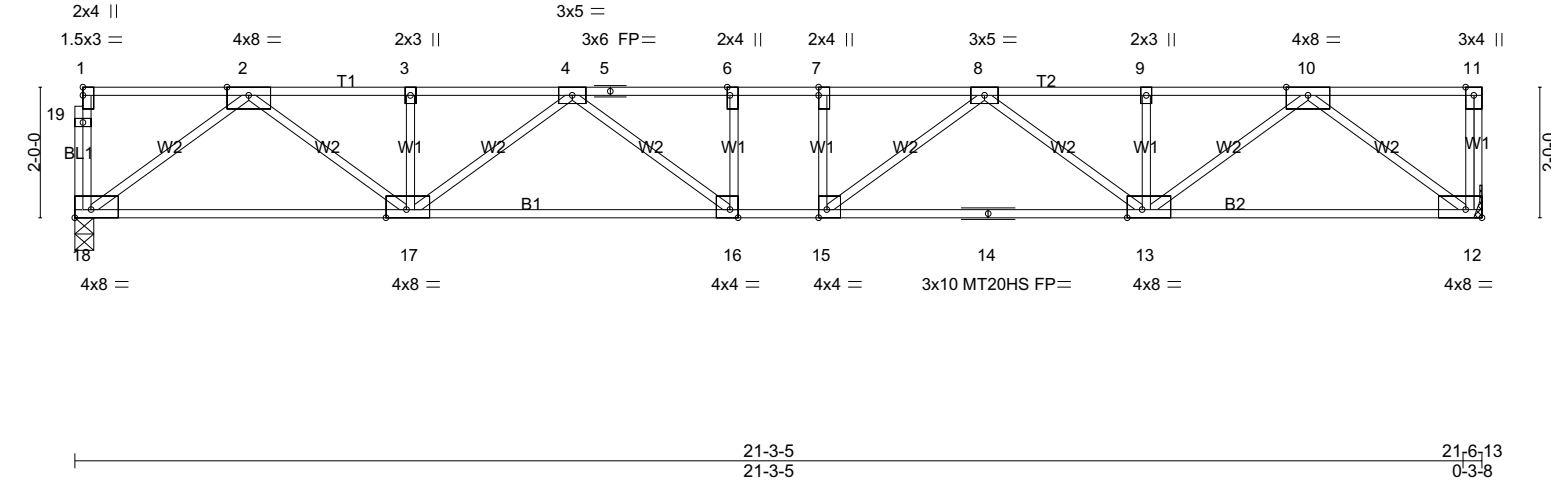
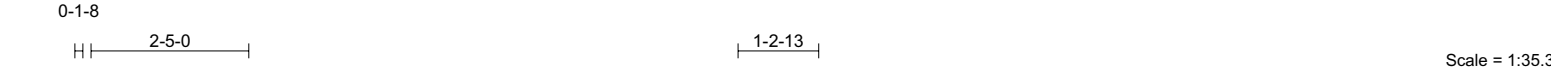


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,0-0-0], [12:Edge,0-1-8], [13:0-2-12,Edge], [15:0-1-8,Edge], [16:0-1-8,Edge], [17:0-3-12,Edge], [18:Edge,0-1-8]		21-3-5		21-6,13	
		21-3-5		0-3-8	
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.00	BC 0.76	Vert(LL) -0.25 13-15 >999 360	MT20HS	148/108
BCLL 0.0	Lumber DOL 1.00	WB 0.70	Vert(CT) -0.39 13-15 >656 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.08 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 92 lb	FT = 0%F, 0%E

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)	TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 1650F 1.5E(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud(flat)	

REACTIONS. (lb/size) 18=1273/0-3-8 (min. 0-1-8), 12=1279/Mechanical

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

TOP CHORD 2-3=-2668/0, 3-4=-2668/0, 4-5=-3646/0, 5-6=-3646/0, 6-7=-3646/0, 7-8=-3646/0, 8-9=-2667/0, 9-10=-2667/0

BOT CHORD 17-18=0/1541, 16-17=0/3330, 15-16=0/3646, 14-15=0/3330, 13-14=0/3330, 12-13=0/1542

WEBS 10-12=-1916/0, 2-18=-1910/0, 10-13=0/1411, 2-17=0/1413, 8-13=-831/0, 4-17=-831/0, 8-15=-8/652, 4-16=-7/652

- 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.
 - 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	F14	Floor	3	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

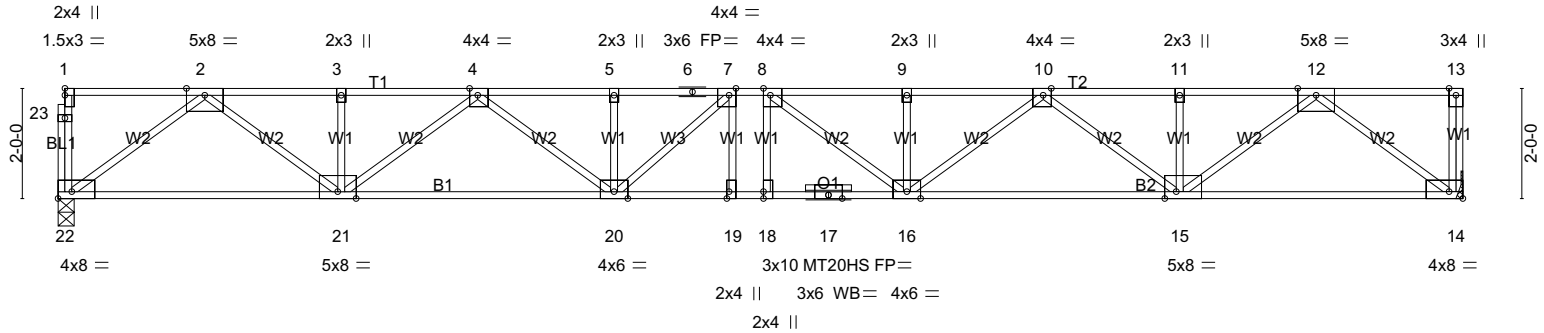
8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:56 2021 Page 1
ID:xHZrHX31iru9bD8JP1MzjzJFns-35nwtiCmKnxRvixPq_W8ve6uw40TiM1HfNmmcCymZ7j

0-1-8

H | 2-5-0

| 2-0-5 | 0-6-0

Scale = 1:41.9



25-2-13	25-6-5
25-2-13	0-3-8
Plate Offsets (X,Y)-- [4:0-1-12,Edge], [7:0-1-8,Edge], [8:0-1-8,Edge], [10:0-1-12,Edge], [14:Edge,0-1-8], [15:0-2-8,Edge], [18:0-1-8,0-0-0], [19:0-1-8,Edge], [22:Edge,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	TC 0.54	Vert(LL)	-0.42	18	>725	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.95	Vert(CT)	-0.63	16-18	>483	240	MT20HS	148/108
BCLL 0.0	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.13	14	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 112 lb	FT = 0%F, 0%E

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E(flat)
BOT CHORD 2x4 SPF 1650F 1.5E(flat)
WEBS 2x4 SPF Stud(flat)
OTHERS 2x4 SPF Stud(flat)

BRACING-

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (lb/size) 22=1510/0-3-8 (min. 0-1-8), 14=1517/Mechanical

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

TOP CHORD 2-3=-3303/0, 3-4=-3303/0, 4-5=-4915/0, 5-6=-4915/0, 6-7=-4915/0, 7-8=-5117/0, 8-9=-4923/0, 9-10=-4923/0, 10-11=-3303/0, 11-12=-3303/0

BOT CHORD 21-22=0/1862, 20-21=0/4277, 19-20=0/5117, 18-19=0/5117, 17-18=0/5117, 16-17=0/5117, 15-16=0/4276, 14-15=0/1863

WEBS 12-14=-2315/0, 2-22=-2310/0, 12-15=0/1805, 2-21=0/1807, 10-15=-1221/0, 4-21=-1222/0, 10-16=0/811, 4-20=0/799, 9-16=-288/0, 5-20=-267/0, 8-16=-567/213, 7-20=-578/192

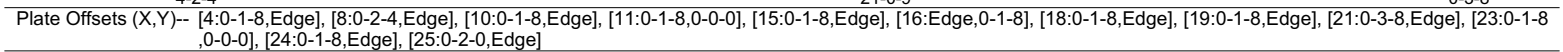
NOTES-

- 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.
- 6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:30:58 2021 Page 1
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0-1-8
Scale = 1:42.2



LUMBER-		BRACING-	
TOP CHORD	2x4 SPF 1650F 1.5E(flat) *Except* T1: 2x4 HF SS(flat)	TOP CHORD	Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF 1650F 1.5E(flat)	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF Stud(flat)		

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

TOP CHORD 2-3=0/677, 3-4=0/677, 4-5=0/1774, 5-6=0/1775, 6-7=-1716/0, 7-8=-1716/0,
8-9=-3004/0, 9-10=-3004/0, 10-11=-3004/0, 11-12=-3004/0, 12-13=-2364/0,
13-14=-2364/0

BOT CHORD 23-24=-677/0, 22-23=-677/0, 21-22=0/461, 20-21=0/2515, 19-20=0/2515, 18-19=0/3004,
17-18=0/2876, 16-17=0/1388

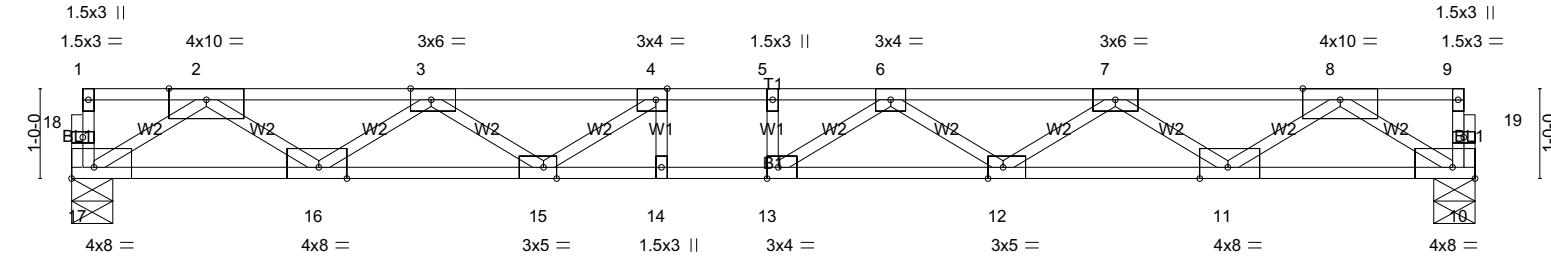
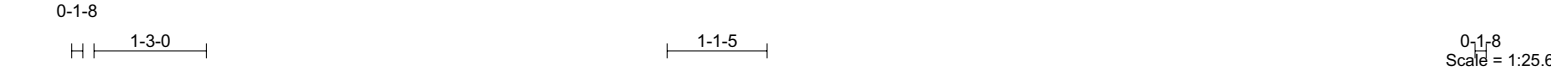
WEBS 2-25=-429/107, 4-22=-1869/0, 2-24=-1130/0, 3-24=0/595, 4-23=0/425, 14-16=-1721/0,
6-22=-2737/0, 14-17=0/1224, 6-21=0/1582, 12-17=-641/0, 8-21=-1008/0, 12-18=-94/444,
8-19=0/723, 10-19=-270/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 25.
- 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" 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.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 598 lb down at 0'-9"-0", and 492 lb down at 2'-9"-0", and 492 lb down at 6'-8"-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-25=-20, 1-15=-100
Concentrated Loads (lb)
Vert: 2=-536(B) 4=-412(B) 6=-412(B)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	FS1	Floor	5	1	
					Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105
 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:31:00 2021 Page 1
 ID:xHZrHX31iru9bD8JP1MzjzJFns-ys0Rj4FG00RsOJFA3qa44UGXfhPXeBDsa_k_lzymZ7f



	2-9-0	5-3-0	10-4-5	12-10-5	15-3-13	15-7-5			
	2-9-0	2-6-0	5-1-5	2-6-0	2-5-8	0-3-8			
Plate Offsets (X,Y)--	[3:0-2-12,Edge],	[4:0-1-8,Edge],	[10:Edge,0-1-8],	[11:0-3-12,Edge],	[12:0-2-0,Edge],	[13:0-1-8,Edge],	[15:0-1-12,Edge],	[16:0-3-12,Edge],	[17:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 60.0	Plate Grip DOL	1.00	TC 0.68	Vert(LL)	-0.37	13	>499	360	MT20	185/144
TCDL 20.0	Lumber DOL	1.00	BC 0.88	Vert(CT)	-0.56	12-13	>330	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.82	Horz(CT)	0.09	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 59 lb	FT = 0%F, 0%E

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)	TOP CHORD Sheathed or 5-3-0 oc purlins, except end verticals.
BOT CHORD 2x4 HF SS(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud(flat)	

REACTIONS. (lb/size) 17=1372/0-5-8 (min. 0-1-8), 10=1372/0-5-8 (min. 0-1-8)

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

TOP CHORD 2-3=-3374/0, 3-4=-5310/0, 4-5=-5986/0, 5-6=-5986/0, 6-7=-5322/0, 7-8=-3371/0

BOT CHORD 16-17=0/2023, 15-16=0/4641, 14-15=0/5986, 13-14=0/5986, 12-13=0/5911, 11-12=0/4647, 10-11=0/2021

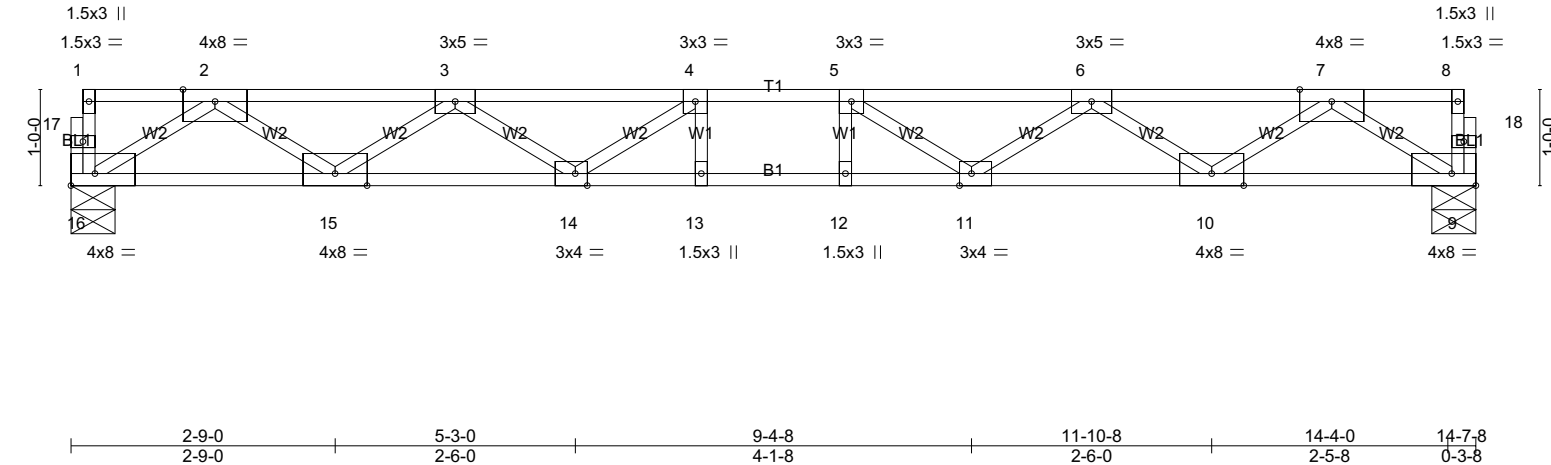
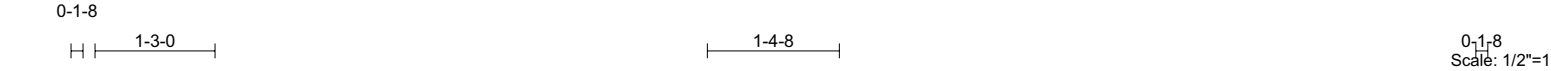
WEBS 8-10=-2390/0, 2-17=-2392/0, 8-11=0/1648, 2-16=0/1650, 7-11=-1557/0, 3-16=-1547/0, 7-12=0/824, 3-15=0/885, 6-12=-719/0, 4-15=-1015/0, 6-13=-344/607

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - 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	Jay Patel
B210450F	FS2	Floor	15	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105
 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:31:01 2021
 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 60.0	Plate Grip DOL	1.00	TC 0.65	Vert(LL)	-0.28	12-13	>613	360	MT20	185/144
TCDL 20.0	Lumber DOL	1.00	BC 0.82	Vert(CT)	-0.42	12-13	>408	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.08	9	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						Weight: 55 lb	FT = 0%F, 0%E

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 1650F 1.5E(flat)	TOP CHORD Sheathed or 5-9-4 oc purlins, except end verticals.
BOT CHORD 2x4 HF SS(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF Stud(flat)	

REACTIONS. (lb/size) 16=1284/0-5-8 (min. 0-1-8), 9=1284/0-5-8 (min. 0-1-8)

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

TOP CHORD 2-3=-3111/0, 3-4=-4788/0, 4-5=-5285/0, 5-6=-4788/0, 6-7=-3111/0

BOT CHORD 15-16=0/1881, 14-15=0/4260, 13-14=0/5285, 12-13=0/5285, 11-12=0/5285, 10-11=0/4260, 9-10=0/1881

WEBS 7-9=-2224/0, 2-16=-2224/0, 7-10=0/1502, 2-15=0/1502, 6-10=-1402/0, 3-15=-1402/0, 6-11=0/737, 3-14=0/737, 5-11=-860/0, 4-14=-860/0

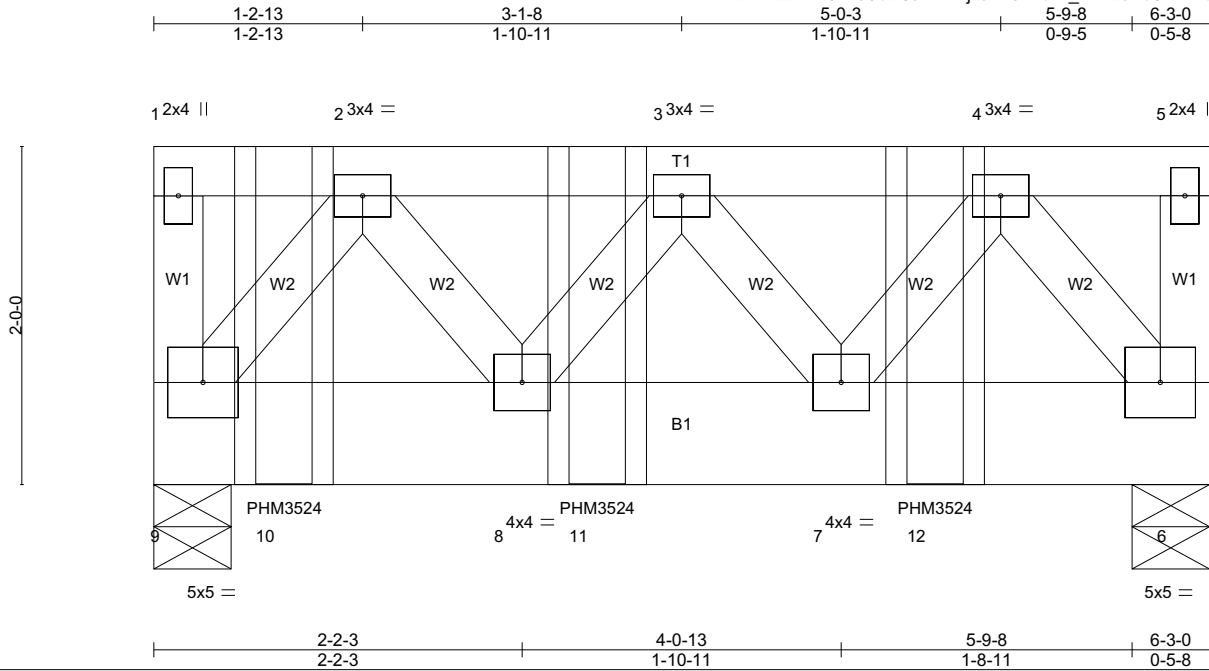
- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened 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	Jay Patel
B210450F	LG2	FLOOR	1	3	

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:31:06 2021 Page 1
ID:xHZrIHx31iru9bD8JP1MzjzJFns-m0Ni_7K1zsB06EiKP5hUJIWjR6ec23nlywBlzdymZ7Z



Scale = 1:13.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.03	Vert(LL)	-0.00	8	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.00	BC 0.07	Vert(CT)	-0.01	8	>999	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.17	Horz(CT)	0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 103 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x8 SPF 1950F 1.7E
WEBS 2x4 SPF Stud

BRACING-

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=1661/0-5-8 (min. 0-1-8), 6=1316/0-5-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1273/0, 3-4=-1245/0
BOT CHORD 9-10=0/734, 8-10=0/734, 8-11=0/1316, 7-11=0/1316, 7-12=0/719, 6-12=0/719
WEBS 2-9=-1277/0, 2-8=0/1037, 4-7=0/1011, 4-6=-1251/0

NOTES-

- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 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.
- Use MiTek PHM3524 (With 2-16d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-9-4 from the left end to 4-7-8 to connect truss(es) F1A (1 ply 2x4 SPF) to back face of bottom chord.
- Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

- Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 6-9=-20, 1-5=-100
Concentrated Loads (lb)
Vert: 10=-756(B) 11=-752(B) 12=-752(B)

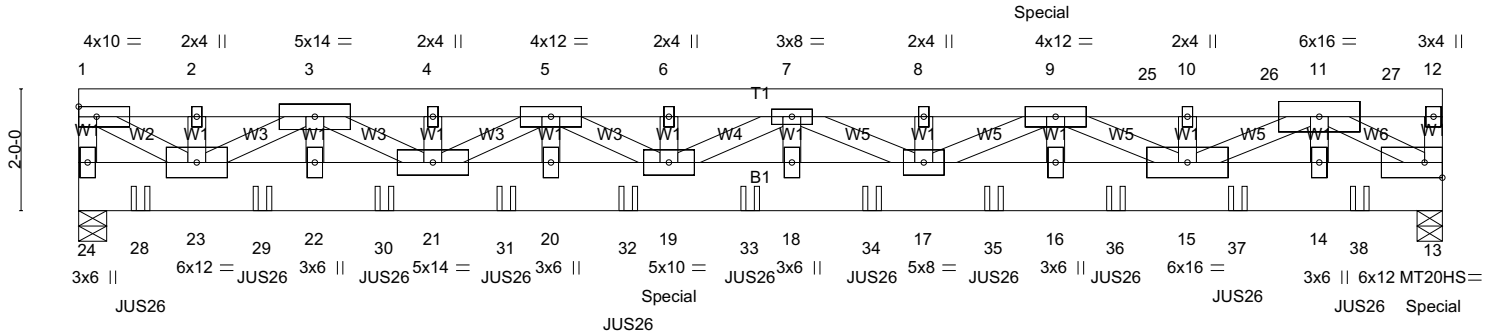
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	LG3	FLAT GIRDER	1	4	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:31:07 2021 Page 1
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1-11-4	3-10-8	5-9-11	7-8-15	9-8-3	11-8-6	13-10-6	16-0-5	18-2-4	20-4-3	21-10-1522-4-7
1-11-4	1-11-4	1-11-4	1-11-4	1-11-4	2-0-3	2-1-15	2-1-15	2-1-15	2-1-15	1-6-12 0-5-8

Scale = 1:37.8



1-11-4	3-10-8	5-9-11	7-8-15	9-8-3	11-8-6	13-10-6	16-0-5	18-2-4	20-4-3	21-10-1522-4-7
1-11-4	1-11-4	1-11-4	1-11-4	1-11-4	2-0-3	2-1-15	2-1-15	2-1-15	2-1-15	1-6-12 0-5-8
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP
TCLL 40.0		Plate Grip DOL 1.00		TC 0.57		in (loc) l/def		MT20		137/130
TCDL 10.0		Lumber DOL 1.00		BC 0.96		Vert(LL) -0.29 18-19 >903		MT20HS		110/93
BCLL 0.0 *		Rep Stress Incr NO		WB 0.92		Vert(CT) -0.62 18 >427				
BCDL 10.0		Code IRC2015/TPI2014		Matrix-S		Horz(CT) 0.08 13 n/a n/a		Weight: 652 lb		FT = 20%

LUMBER-

TOP CHORD 1-1/2" x 5-1/2" VERSA-LAM® 1.7 2400 DF
BOT CHORD 1-1/2" x 9-1/2" VERSA-LAM® 1.7 2400 DF
WEBS 2x4 SPF Stud *Except*
W2,W3,W6: 2x4 SPF No.2, W5: 2x4 SPF 1650F 1.5E

BRACING-

TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 24=8052/0-5-8 (min. 0-1-14), 13=15797/0-5-0 (min. 0-3-8)

Max Horz 24=47(LC 5)
Max Uplift 24=-243(LC 4)
Max Grav 24=8372(LC 2), 13=15797(LC 1)

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

TOP CHORD 1-24=-7112/173, 1-2=-9241/207, 2-3=-9241/207, 3-4=-27710/234, 4-5=-27710/234,
5-6=-41720/0, 6-7=-41720/0, 7-8=-40421/0, 8-9=-40421/0, 9-25=-27512/0,
10-25=-27512/0, 10-26=-27512/0, 11-26=-27512/0, 11-27=-566/0, 12-27=-566/0,
12-13=-1284/100
BOT CHORD 24-28=-44/378, 23-28=-44/378, 23-29=-321/19506, 22-29=-321/19506, 22-30=-321/19506,
21-30=-321/19506, 21-31=-26/36700, 20-31=-26/36700, 20-32=-26/36700,
19-32=-26/36700, 19-33=0/43827, 18-33=0/43827, 18-34=0/43827, 17-34=0/43827,
17-35=0/37624, 16-35=0/37624, 16-36=0/37624, 15-36=0/37624, 15-37=0/15234,
14-37=0/15234, 14-38=0/15234, 13-38=0/15234
WEBS 1-23=-238/11174, 3-23=-12589/121, 3-22=-59/1130, 3-21=0/10062, 5-21=-11026/0,
5-20=-90/2105, 5-19=0/6157, 6-19=-225/574, 7-19=-3870/0, 7-18=-25/2248,
7-17=-4035/1715, 8-17=-489/40, 9-17=-1620/3436, 9-16=-671/976, 9-15=-12607/0,
10-15=-1986/193, 11-15=0/14548, 11-14=-40/619, 11-13=-18196/0

NOTES-

- Special connection required to distribute top chord loads equally between all plies.
- Special connection required to distribute bottom chord loads equally between all plies.
- 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 1 1/2 x 5 1/2 - 3 rows staggered at 0-4-0 oc.
Bottom chords connected as follows: 1 1/2 x 9 1/2 - 5 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 23-3 2x4 - 1 row at 0-7-0 oc, member 13-11 2x4 - 1 row at 0-7-0 oc.
Attach TC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft. Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 24.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	LG3	FLAT GIRDER	1	4	Job Reference (optional)

- NOTES-**
- 11) 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.
- 12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 13) Use MiTek JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-3 from the left end to 11-0-3 to connect truss(es) L11 (1 ply 2x4 SPF), L10 (1 ply 2x4 SPF), L09 (1 ply 2x4 SPF), L08 (1 ply 2x4 SPF), L07 (1 ply 2x4 SPF), L06 (1 ply 2x4 SPF) to back face of bottom chord.
- 14) Use MiTek JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 13-0-3 from the left end to 21-0-3 to connect truss(es) L05 (1 ply 2x4 SPF) to back face of bottom chord.
- 15) Fill all nail holes where hanger is in contact with lumber.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2687 lb down at 15-9-9, 1310 lb down and 138 lb up at 17-6-9, and 1310 lb down and 138 lb up at 19-6-9, and 1310 lb down and 138 lb up at 21-6-9 on top chord, and 5143 lb down and 298 lb up at 9-8-3, and 2571 lb down and 209 lb up at 22-2-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 1-6=-100, 6-12=-400(F=-300), 13-24=-20
- Concentrated Loads (lb)
- Vert: 13=-2437(B) 19=-2962(F) 9=-2687(F) 25=-1310(F) 26=-1310(F) 27=-1310(F) 28=-491(B) 29=-490(B) 30=-490(B) 31=-490(B) 32=-490(B) 33=-490(B) 34=-496(B) 35=-496(B) 36=-496(B) 37=-496(B) 38=-496(B)
- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
- Vert: 1-6=-80, 6-12=-330(F=-250), 13-24=-20
- Concentrated Loads (lb)
- Vert: 13=-2571(B) 19=-4993(F) 9=-2687(F) 25=-1092(F) 26=-1092(F) 27=-1092(F) 28=-428(B) 29=-426(B) 30=-426(B) 31=-426(B) 32=-426(B) 33=-426(B) 34=-433(B) 35=-433(B) 36=-433(B) 37=-433(B) 38=-433(B)
- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
- Uniform Loads (plf)
- Vert: 1-6=-20, 6-12=-170(F=-150), 13-24=-40
- Concentrated Loads (lb)
- Vert: 13=-1051(B) 19=-1077(F) 9=-2687(F) 25=-655(F) 26=-655(F) 27=-655(F) 28=-345(B) 29=-342(B) 30=-342(B) 31=-342(B) 32=-342(B) 33=-342(B) 34=-356(B) 35=-356(B) 36=-356(B) 37=-356(B) 38=-356(B)
- 4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=25, 6-12=56(F=32), 13-24=-12
- Horz: 1-24=15, 12-13=19
- Concentrated Loads (lb)
- Vert: 13=205(B) 19=290(F) 9=-2687(F) 25=138(F) 26=138(F) 27=138(F) 28=96(B) 29=97(B) 30=97(B) 31=89(B) 32=98(B) 33=98(B) 34=91(B) 35=91(B) 36=91(B) 37=91(B) 38=91(B)
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=25, 6-12=56(F=32), 13-24=-12
- Horz: 1-24=-19, 12-13=-15
- Concentrated Loads (lb)
- Vert: 13=205(B) 19=290(F) 9=-2687(F) 25=138(F) 26=138(F) 27=138(F) 28=96(B) 29=97(B) 30=97(B) 31=89(B) 32=98(B) 33=98(B) 34=91(B) 35=91(B) 36=91(B) 37=91(B) 38=91(B)
- 6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=6, 6-12=-158(F=-164), 13-24=-20
- Horz: 1-24=26, 12-13=9
- Concentrated Loads (lb)
- Vert: 13=209(B) 19=298(F) 9=-2687(F) 25=-715(F) 26=-715(F) 27=-715(F) 28=103(B) 29=105(B) 30=105(B) 31=97(B) 32=106(B) 33=106(B) 34=99(B) 35=99(B) 36=99(B) 37=99(B) 38=99(B)
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=6, 6-12=-107(F=-113), 13-24=-20
- Horz: 1-24=-9, 12-13=-26
- Concentrated Loads (lb)
- Vert: 13=209(B) 19=298(F) 9=-2687(F) 25=-494(F) 26=-494(F) 27=-494(F) 28=103(B) 29=105(B) 30=105(B) 31=97(B) 32=106(B) 33=106(B) 34=99(B) 35=99(B) 36=99(B) 37=99(B) 38=99(B)
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=25, 6-12=56(F=32), 13-24=-12
- Horz: 1-24=13, 12-13=18
- Concentrated Loads (lb)
- Vert: 13=205(B) 19=290(F) 9=-2687(F) 25=138(F) 26=138(F) 27=138(F) 28=96(B) 29=97(B) 30=97(B) 31=89(B) 32=98(B) 33=98(B) 34=91(B) 35=91(B) 36=91(B) 37=91(B) 38=91(B)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=25, 6-12=56(F=32), 13-24=-12
- Horz: 1-24=-18, 12-13=-13
- Concentrated Loads (lb)
- Vert: 13=205(B) 19=290(F) 9=-2687(F) 25=138(F) 26=138(F) 27=138(F) 28=96(B) 29=97(B) 30=97(B) 31=89(B) 32=98(B) 33=98(B) 34=91(B) 35=91(B) 36=91(B) 37=91(B) 38=91(B)
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.33, Plate Increase=1.33
- Uniform Loads (plf)
- Vert: 1-6=14, 6-12=17(F=4), 13-24=-12
- Horz: 1-24=6, 12-13=14

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450F	LG3	FLAT GIRDER	1	4	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:31:07 2021 Page 3
ID:xHZrHX31iru9bD8JP1MzjJFns-EDx5BTKfAKtjOHXzoCjsz3mcVmwNKLuBawsV3ymZ7Y

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 13=205(B) 19=290(F) 9=-2687(F) 25=16(F) 26=16(F) 27=16(F) 28=96(B) 29=97(B) 30=97(B) 31=89(B) 32=98(B) 33=98(B) 34=91(B) 35=91(B) 36=91(B) 37=91(B) 38=91(B)

11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=14, 6-12=17(F=4), 13-24=-12

Horz: 1-24=-14, 12-13=-6

Concentrated Loads (lb)

Vert: 13=205(B) 19=290(F) 9=-2687(F) 25=16(F) 26=16(F) 27=16(F) 28=96(B) 29=97(B) 30=97(B) 31=89(B) 32=98(B) 33=98(B) 34=91(B) 35=91(B) 36=91(B) 37=91(B) 38=91(B)

12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=6, 6-12=-152(F=-158), 13-24=-20

Horz: 1-24=23, 12-13=7

Concentrated Loads (lb)

Vert: 13=209(B) 19=298(F) 9=-2687(F) 25=-689(F) 26=-689(F) 27=-689(F) 28=103(B) 29=105(B) 30=105(B) 31=97(B) 32=106(B) 33=106(B) 34=99(B) 35=99(B) 36=99(B) 37=99(B) 38=99(B)

13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=6, 6-12=-107(F=-113), 13-24=-20

Horz: 1-24=-7, 12-13=-23

Concentrated Loads (lb)

Vert: 13=209(B) 19=298(F) 9=-2687(F) 25=-494(F) 26=-494(F) 27=-494(F) 28=103(B) 29=105(B) 30=105(B) 31=97(B) 32=106(B) 33=106(B) 34=99(B) 35=99(B) 36=99(B) 37=99(B) 38=99(B)

14) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-6=-20, 6-12=-120(F=-100), 13-24=-20

Concentrated Loads (lb)

Vert: 13=-1663(B) 19=-5143(F) 9=-2687(F) 25=-437(F) 26=-437(F) 27=-437(F) 28=-236(B) 29=-235(B) 30=-235(B) 31=-235(B) 32=-235(B) 33=-235(B) 34=-244(B) 35=-244(B) 36=-244(B) 37=-244(B) 38=-244(B)

15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=-60, 6-12=-358(F=-298), 13-24=-20

Horz: 1-24=19, 12-13=7

Concentrated Loads (lb)

Vert: 13=52(B) 19=114(F) 9=-2687(F) 25=-1300(F) 26=-1300(F) 27=-1300(F) 28=44(B) 29=45(B) 30=46(B) 31=40(B) 32=46(B) 33=46(B) 34=39(B) 35=39(B) 36=39(B) 37=39(B) 38=39(B)

16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=-60, 6-12=-320(F=-260), 13-24=-20

Horz: 1-24=-7, 12-13=19

Concentrated Loads (lb)

Vert: 13=52(B) 19=114(F) 9=-2687(F) 25=-1135(F) 26=-1135(F) 27=-1135(F) 28=44(B) 29=45(B) 30=46(B) 31=40(B) 32=46(B) 33=46(B) 34=39(B) 35=39(B) 36=39(B) 37=39(B) 38=39(B)

17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=-60, 6-12=-354(F=-293), 13-24=-20

Horz: 1-24=17, 12-13=5

Concentrated Loads (lb)

Vert: 13=52(B) 19=114(F) 9=-2687(F) 25=-1281(F) 26=-1281(F) 27=-1281(F) 28=44(B) 29=45(B) 30=46(B) 31=40(B) 32=46(B) 33=46(B) 34=39(B) 35=39(B) 36=39(B) 37=39(B) 38=39(B)

18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 1-6=-60, 6-12=-320(F=-260), 13-24=-20

Horz: 1-24=-5, 12-13=17

Concentrated Loads (lb)

Vert: 13=52(B) 19=114(F) 9=-2687(F) 25=-1135(F) 26=-1135(F) 27=-1135(F) 28=44(B) 29=45(B) 30=46(B) 31=40(B) 32=46(B) 33=46(B) 34=39(B) 35=39(B) 36=39(B) 37=39(B) 38=39(B)

