Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	CJ1	Jack-Closed	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:04 2021 Page 1

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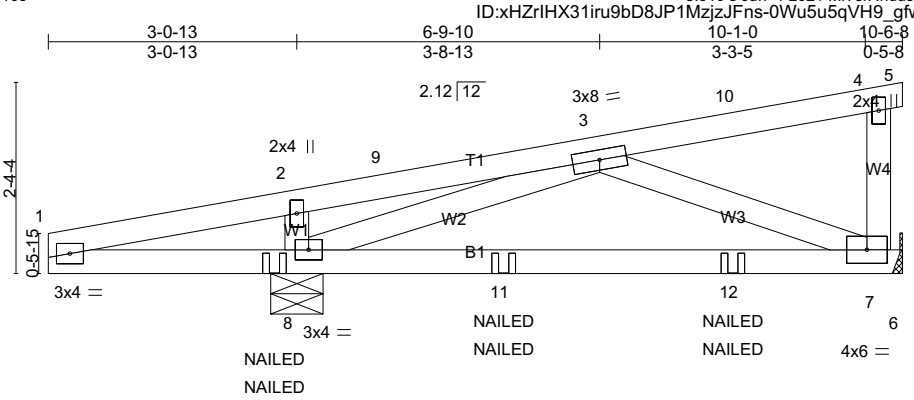

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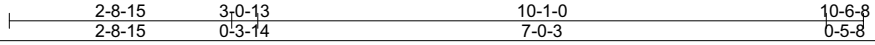

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	0.07	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	-0.07	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=313/Mechanical, 8=657/0-7-12 (min. 0-1-8)
Max Horz 8=66(LC 31)
Max Uplift7=-122(LC 12), 8=-273(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-555/435, 2-9=-489/381, 3-9=-487/416
BOT CHORD 1-8=-393/554
WEBS 2-8=-280/280, 3-8=-610/508

NOTES-
1) 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 and C-C Corner(3) 0-0-0 to 4-2-15, Exterior(2) 4-2-15 to 10-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 7 and 273 lb uplift at joint 8.
6) 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.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-20, 1-6=-20
Concentrated Loads (lb)
Vert: 8=-103(F=-52, B=-52) 11=101(F=51, B=51) 12=-136(F=-68, B=-68)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	CJ5	Diagonal Hip Girder	2	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:05 2021 Page 1
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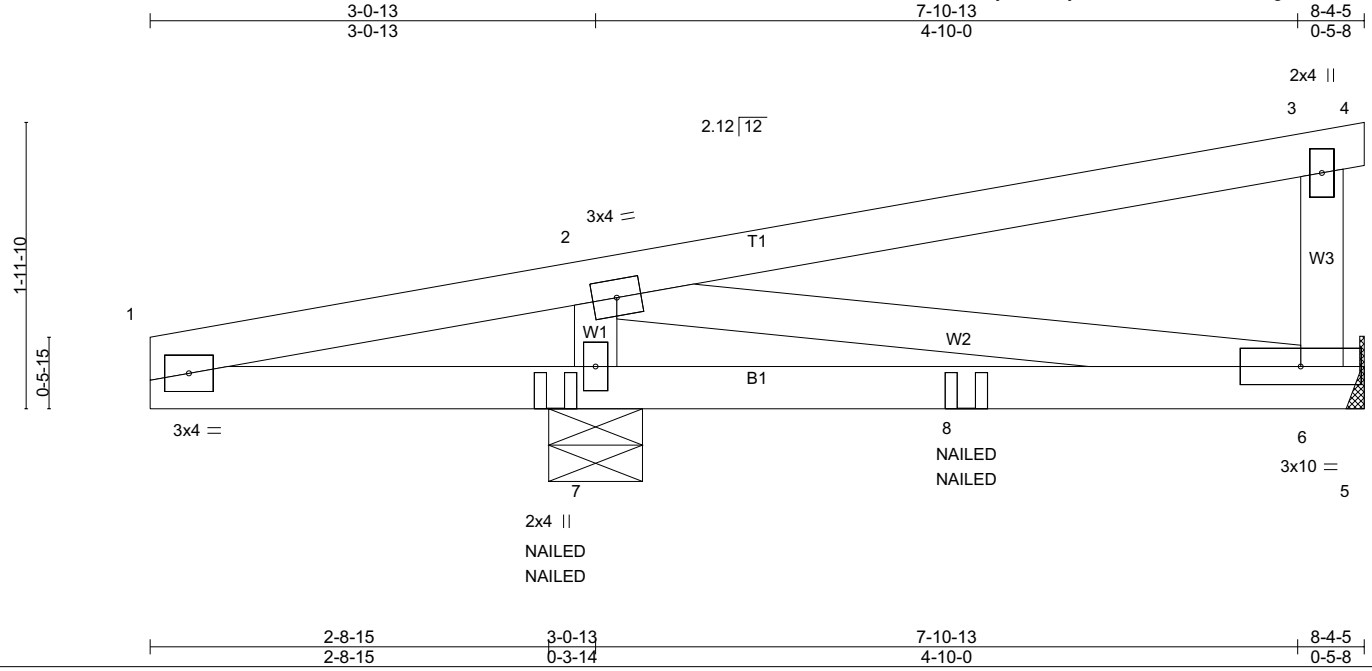

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.25	TC	0.29	Vert(LL)	-0.04	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL 1.25	BC	0.26	Vert(CT)	0.05	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.13	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-P							Weight: 27 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=85/Mechanical, 7=574/0-7-12 (min. 0-1-8)
Max Horz 7=62(LC 7)
Max Uplift 6=-80(LC 8), 7=-234(LC 4)
Max Grav 6=97(LC 35), 7=574(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-145/372
BOT CHORD 1-7=-329/146, 7-8=-329/117, 6-8=-329/117
WEBS 2-7=-456/182, 2-6=-102/332

NOTES-
1) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 6 and 234 lb uplift at joint 7.
6) 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.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-103(F=-52, B=-52) 8=101(F=51, B=51)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	CJ6	Diagonal Hip Girder	2	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:06 2021 Page 1
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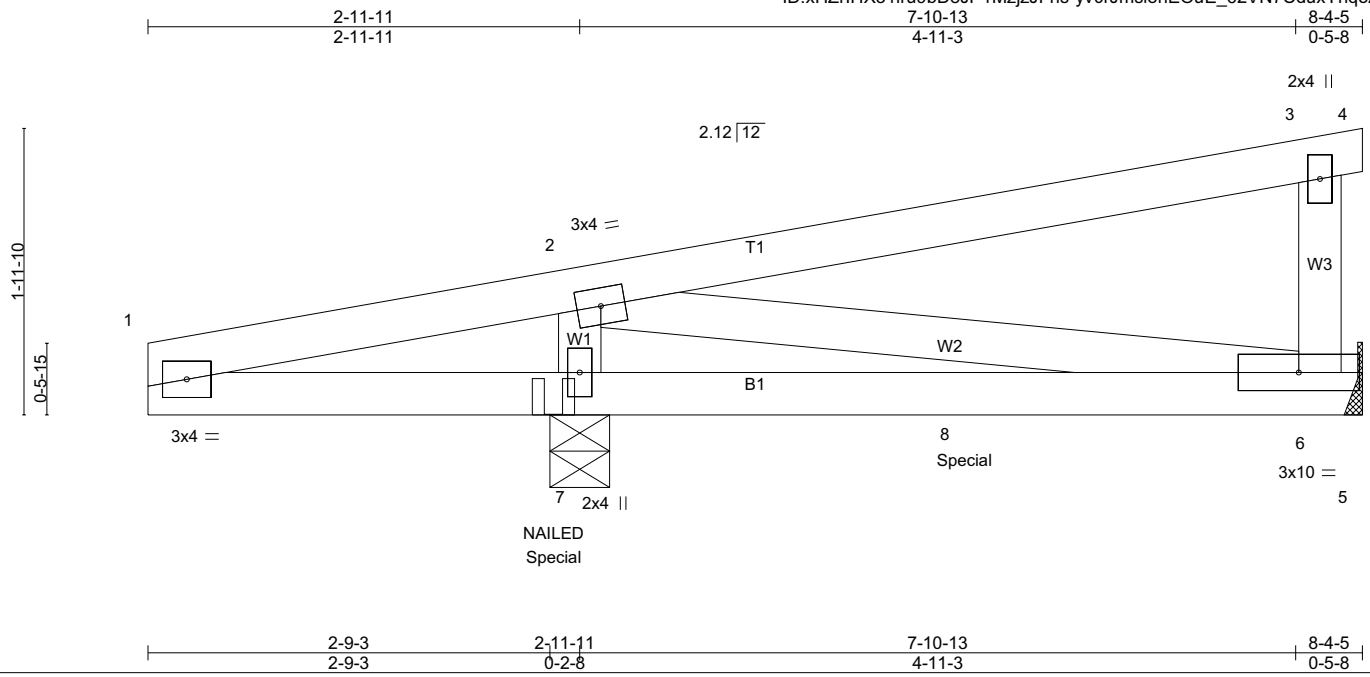

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.10	6-7	>636	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.13	6-7	>485	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 27 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=288/Mechanical, 7=745/0-4-15 (min. 0-1-8)
Max Horz 7=62(LC 5)
Max Uplift6=-130(LC 8), 7=-275(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-239/315
BOT CHORD 1-7=-277/236, 7-8=-310/206, 6-8=-310/206
WEBS 2-7=-382/221, 2-6=-192/298

NOTES-
1) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 6 and 275 lb uplift at joint 7.
6) 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.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 86 lb up at 5-7-7, and 323 lb down and 162 lb up at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-103(F=-52, B=-52) 8=-272(B=51)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	CJ8	Diagonal Hip Girder	4	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:07 2021 Page 1
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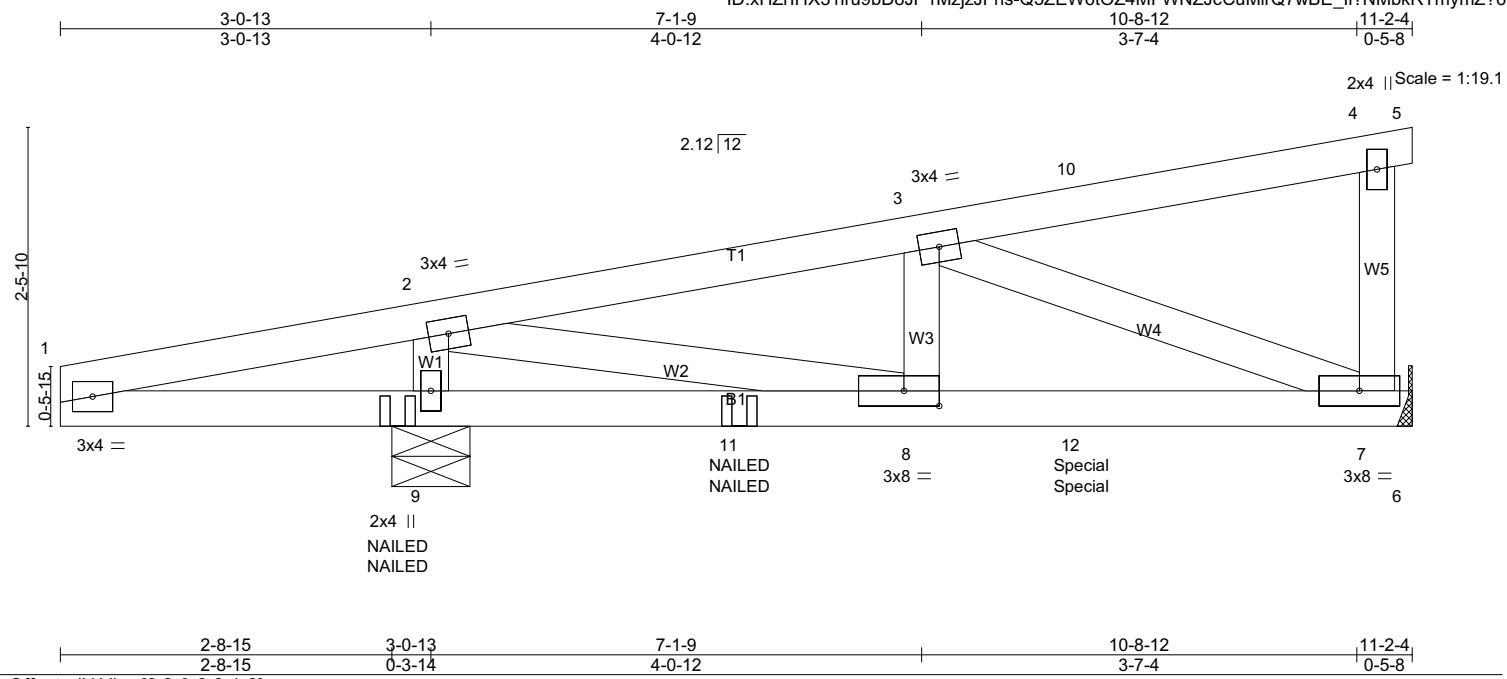

Plate Offsets (X,Y)-- [8:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.02	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.04	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=337/Mechanical, 9=684/0-7-12 (min. 0-1-8)
Max Horz 9=70(LC 5)
Max Uplift7=-113(LC 8), 9=-282(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-146/391, 2-3=-403/235
BOT CHORD 1-9=-351/149, 9-11=-351/110, 8-11=-351/110, 8-12=-231/374, 7-12=-231/374
WEBS 2-9=-535/212, 2-8=-266/711, 3-7=-349/254

NOTES-
1) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 7 and 282 lb uplift at joint 9.
6) 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.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 68 lb down and 52 lb up at 8-5-6, and 68 lb down and 52 lb up at 8-5-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-20, 1-6=-20
Concentrated Loads (lb)
Vert: 9=-103(F=-52, B=-52) 11=101(F=51, B=51) 12=-136(F=-68, B=-68)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	CJR	Jack-Closed	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:08 2021 Page 1

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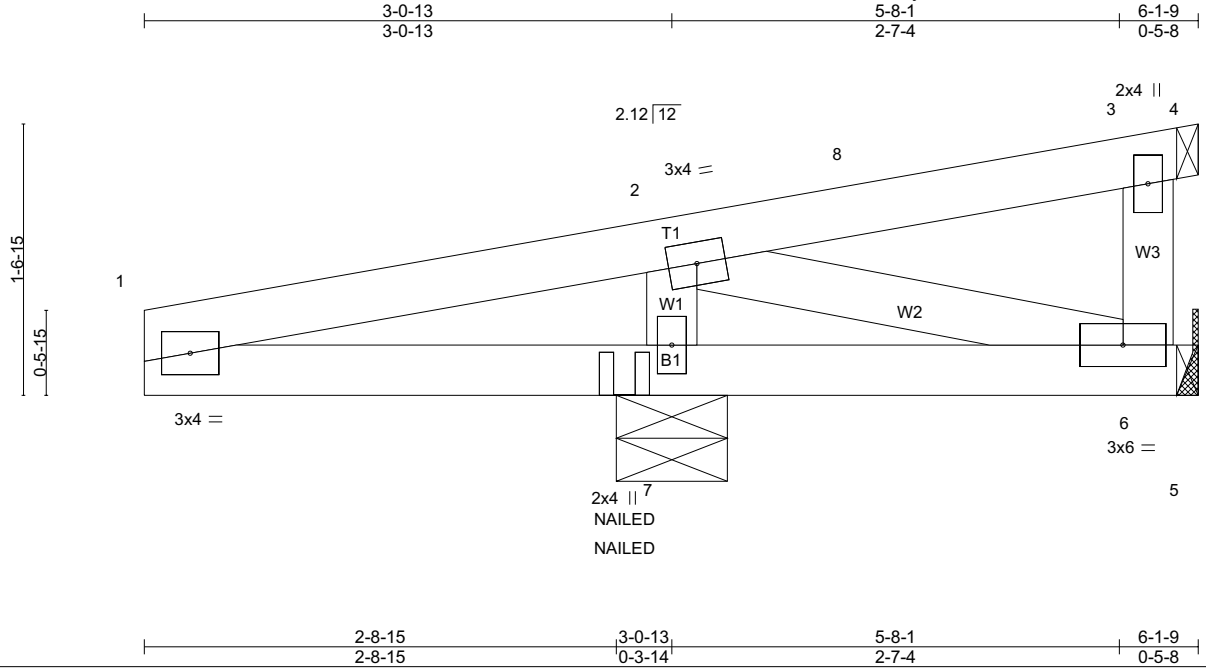

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.01	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.01	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 19 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=-13/Mechanical, 7=595/0-7-12 (min. 0-1-8)
Max Horz 7=47(LC 11)
Max Uplift 6=-19(LC 20), 7=-192(LC 8)
Max Grav 6=26(LC 8), 7=595(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-624/372
BOT CHORD 1-7=-334/625, 6-7=-334/580
WEBS 2-7=-403/554, 2-6=-577/346

NOTES-
1) 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 and C-C Corner(3) 0-0-0 to 4-2-15, Exterior(2) 4-2-15 to 6-1-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 6 and 192 lb uplift at joint 7.
6) 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.
7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-20, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-103(F=-52, B=-52)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	D1	Jack-Closed	5	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:09 2021 Page 1

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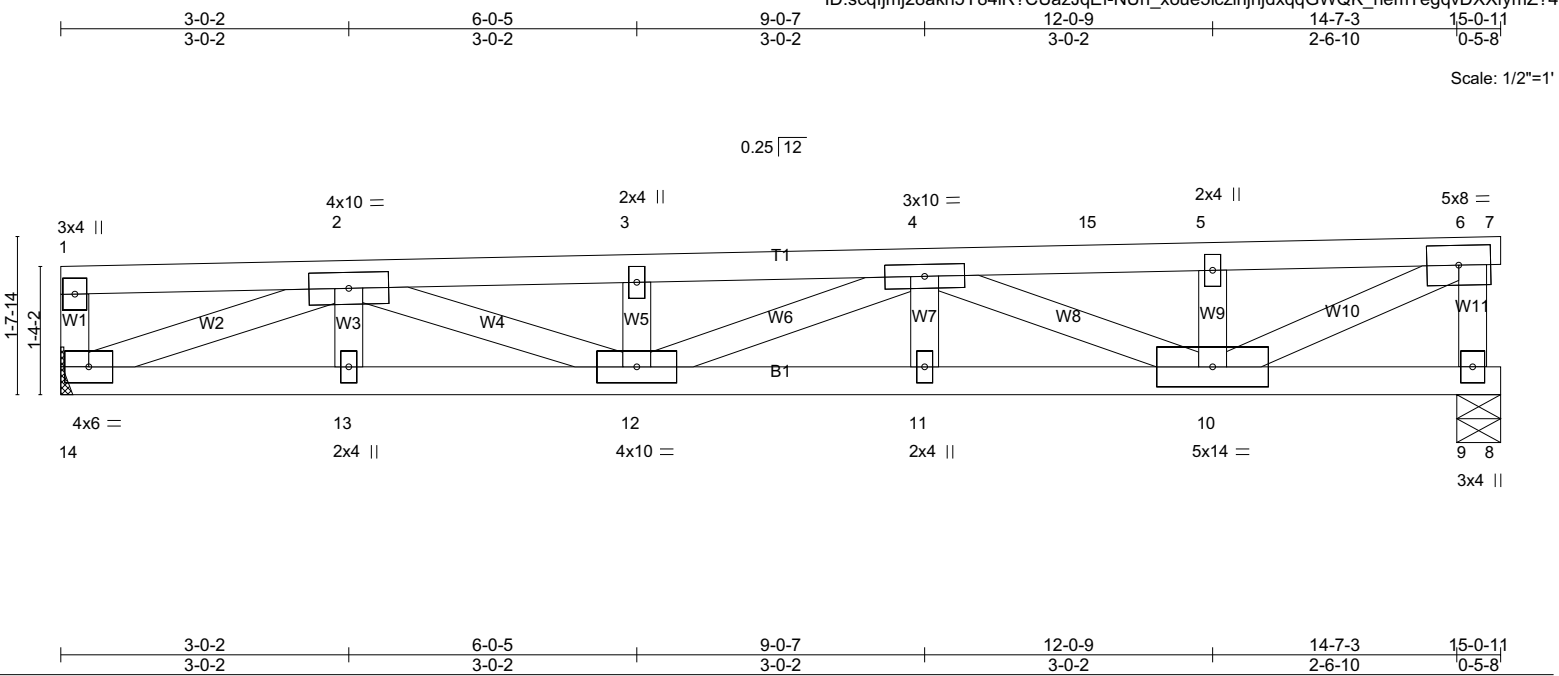

3-0-2 6-0-5 9-0-7 12-0-9 14-7-3 15-0-11
3-0-2 3-0-2 3-0-2 3-0-2 2-6-10 0-5-8

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	0.41	Vert(LL)	-0.20	11-12	>880	360	MT20	197/144
TCDL	20.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.30	11-12	>585	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 57 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W10: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 3-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1316/Mechanical, 9=1334/0-5-8 (min. 0-2-1)
Max Horz 14=47(LC 9)
Max Uplift14=-93(LC 8), 9=-94(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3950/277, 3-4=-3949/279, 4-15=-2286/168, 5-15=-2280/168, 5-6=-2286/170, 6-9=-1270/109
BOT CHORD 13-14=-176/2738, 12-13=-176/2738, 11-12=-247/3726, 10-11=-247/3726
WEBS 2-14=-2791/200, 2-12=-91/1285, 3-12=-474/72, 4-10=-1563/110, 5-10=-462/81, 6-10=-168/2436

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-0-2, Interior(1) 3-0-2 to 15-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 14 and 94 lb uplift at joint 9.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	D2	Jack-Closed	7	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:10 2021 Page 1

ID:scqfjmj28akh5Y84iR?CUazJqEf-rgFM98vGs?kqNrluHLS3NT2cFO9MVyvp2Zz535ymZ?3

2-9-12	5-7-8	8-5-4	11-2-15	13-7-3	14-0-11
2-9-12	2-9-12	2-9-12	2-9-12	2-4-4	0-5-8

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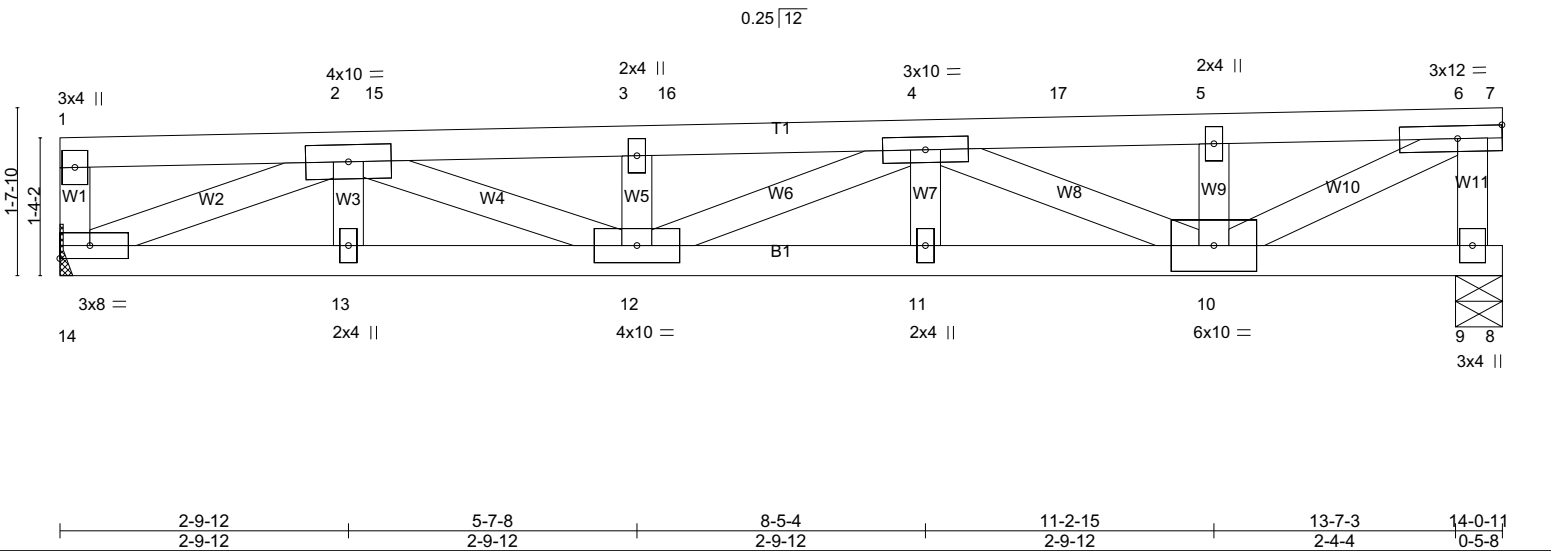

2-9-12	5-7-8	8-5-4	11-2-15	13-7-3	14-0-11
2-9-12	2-9-12	2-9-12	2-9-12	2-4-4	0-5-8

Plate Offsets (X,Y)-- [6:0-5-4,0-1-8]

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	0.34	Vert(LL)	-0.15	11-12	>999	360	MT20	197/144
TCDL	20.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.23	11-12	>708	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 53 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W10: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 3-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1226/Mechanical, 9=1244/0-5-8 (min. 0-1-15)
Max Horz 14=46(LC 11)
Max Uplift14=-87(LC 8), 9=-87(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-3451/241, 3-15=-3446/242, 3-16=-3451/243, 4-16=-3446/244, 4-17=-1999/148, 5-17=-1995/148, 5-6=-1999/150, 6-9=-1183/107
BOT CHORD 13-14=-164/2382, 12-13=-164/2382, 11-12=-214/3264, 10-11=-214/3264
WEBS 2-14=-2453/176, 2-12=-81/1143, 3-12=-441/67, 4-10=-1385/97, 5-10=-429/80, 6-10=-149/2156

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 14 and 87 lb uplift at joint 9.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	D2H	Jack-Closed	6	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:11 2021 Page 1
ID:scqfjmj28akh5Y84iR?CUazJqEf-JtpkMUwudJsh_?t4r2zlvhbn5oWGELozHDiecXymZ?2

2-8-10	5-5-5	8-1-15	10-10-9	13-1-11	13-7-3
2-8-10	2-8-10	2-8-10	2-8-10	2-3-2	0-5-8

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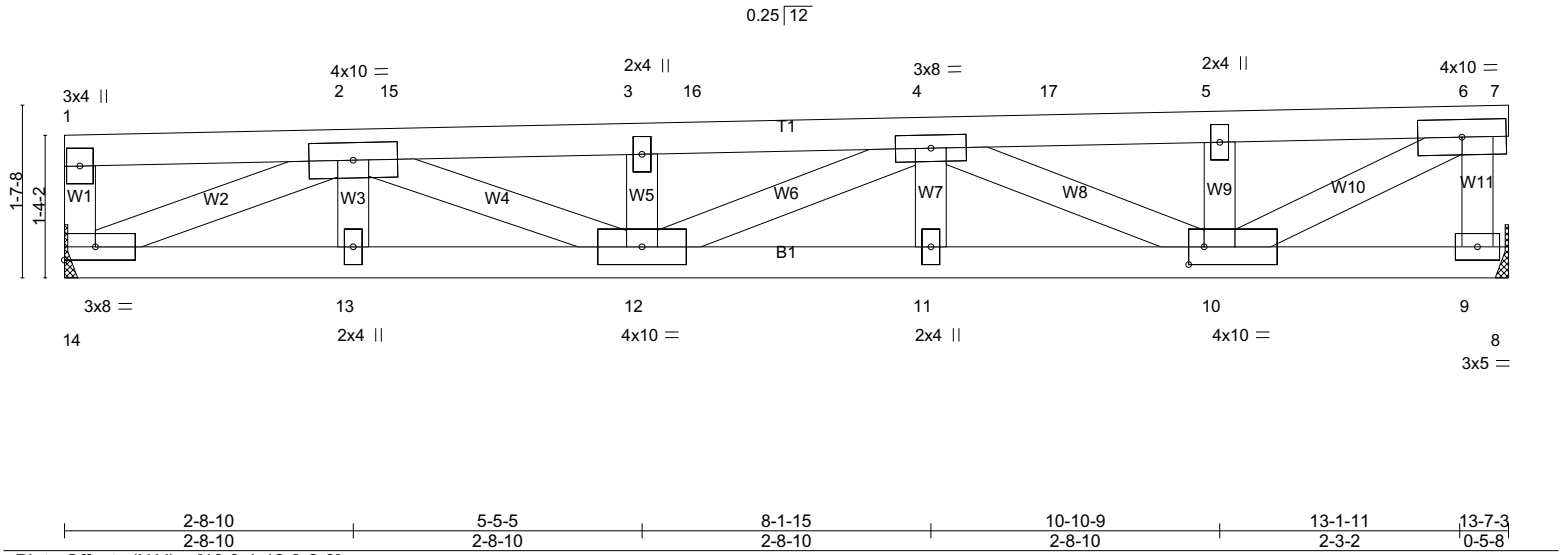


2-8-10	5-5-5	8-1-15	10-10-9	13-1-11	13-7-3
2-8-10	2-8-10	2-8-10	2-8-10	2-3-2	0-5-8

Plate Offsets (X,Y)-- [10:0-1-12,0-2-0]

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	0.33	Vert(LL)	-0.14	11-12	>999	360	MT20	197/144
TCDL	20.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.21	11-12	>770	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 52 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 3-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1184/Mechanical, 9=1202/Mechanical
Max Horz 14=46(LC 11)
Max Uplift14=-84(LC 8), 9=-84(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-3232/226, 3-15=-3228/227, 3-16=-3232/228, 4-16=-3228/229, 4-17=-1866/138, 5-17=-1862/139, 5-6=-1865/141, 6-9=-1139/106
BOT CHORD 13-14=-159/2227, 12-13=-159/2227, 11-12=-205/3062, 10-11=-205/3062
WEBS 2-14=-2305/166, 2-12=-77/1079, 3-12=-426/65, 4-10=-1316/92, 5-10=-408/79, 6-10=-143/2016

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 14 and 84 lb uplift at joint 9.
7) 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.

LOAD CASE(S) Standard

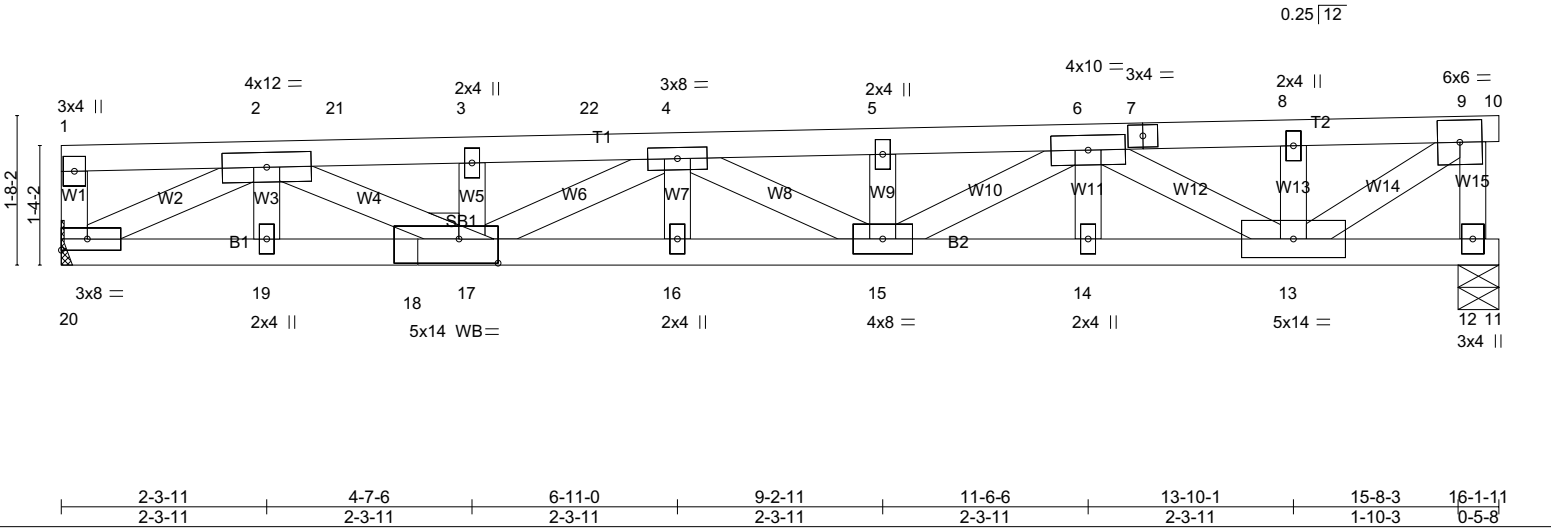
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	D3	Jack-Closed	2	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:12 2021 Page 1

ID:scqfjmj28akh5Y84iR?CUazJqEf-n3N7aqwWOd_Yc9SGOlUXSu8y2CnFzqa6WtSB8_ymZ?1

2-3-11	4-7-6	6-11-0	9-2-11	11-6-6	13-10-1	15-8-3	16-1-11
2-3-11	2-3-11	2-3-11	2-3-11	2-3-11	2-3-11	1-10-3	0-5-8

Scale = 1:25.9



2-3-11	4-7-6	6-11-0	9-2-11	11-6-6	13-10-1	15-8-3	16-1-11
2-3-11	2-3-11	2-3-11	2-3-11	2-3-11	2-3-11	1-10-3	0-5-8

Plate Offsets (X,Y)-- [18:0-5-4,0-3-4]

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	0.38	Vert(LL)	-0.23	15-16	>807	360	MT20	197/144
TCDL	20.0	Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.35	15-16	>538	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W14: 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 3-1-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 20=1413/Mechanical, 12=1431/0-5-8 (min. 0-2-4)
Max Horz 20=48(LC 11)
Max Uplift 20=-100(LC 8), 12=-101(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-3913/272, 3-21=-3909/272, 3-22=-3912/274, 4-22=-3908/274, 4-5=-4330/308, 5-6=-4330/309, 6-7=-1870/140, 7-8=-1866/140, 8-9=-1869/142, 9-12=-1371/112
BOT CHORD 19-20=-156/2382, 18-19=-156/2382, 17-18=-156/2382, 16-17=-301/4522, 15-16=-301/4522, 14-15=-226/3426, 13-14=-226/3426
WEBS 2-20=-2557/183, 2-17=-119/1690, 3-17=-360/55, 4-17=-691/52, 5-15=-359/55, 6-15=-69/1031, 6-13=-1788/127, 8-13=-344/61, 9-13=-150/2176

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 16-1-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 20 and 101 lb uplift at joint 12.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FG1	FLOOR	1	3	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:14 2021 Page 1
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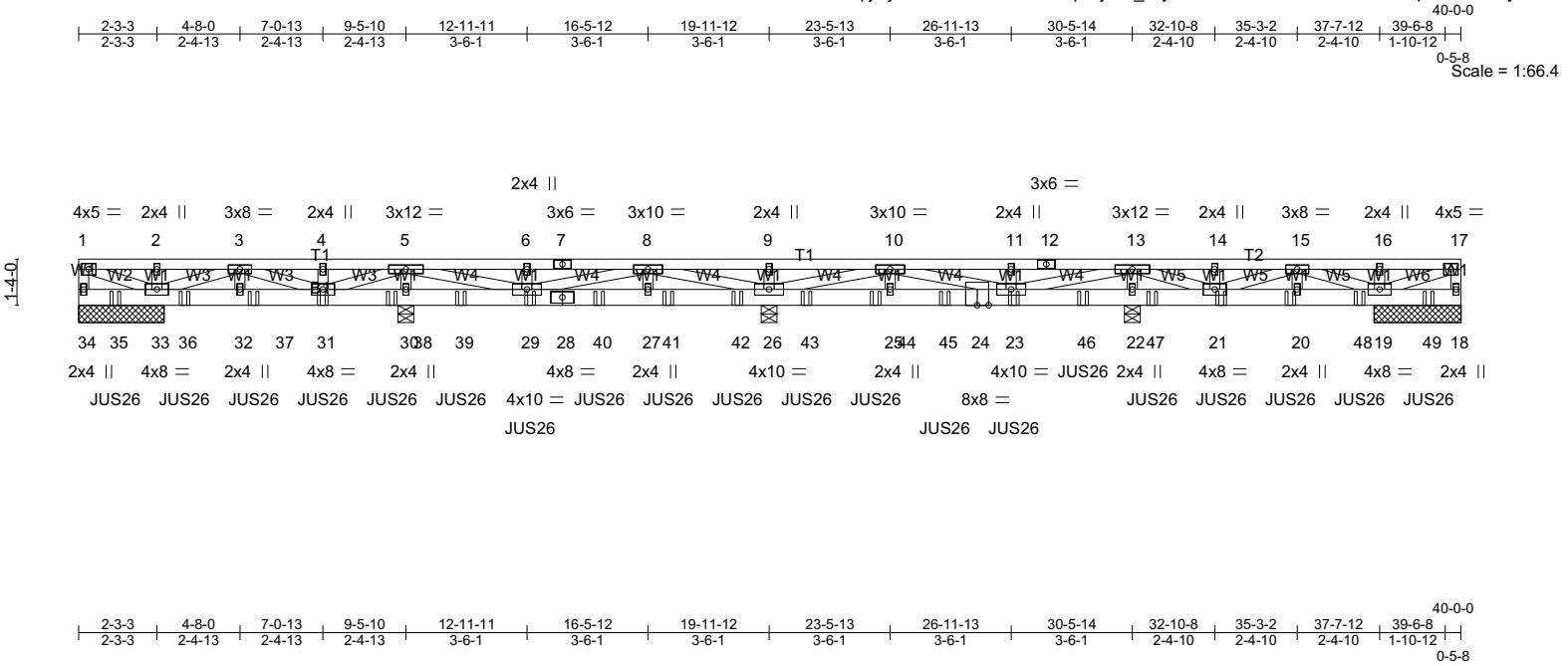

*** Design Problems ***
REVIEW REQUIRED

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	0.28	Vert(LL)	-0.02	27-29	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.05	27-29	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.00	22	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 507 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

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

REACTIONS. All bearings 0-5-8 except (jt=length) 34=2-5-11, 18=2-6-3, 33=2-5-11, 19=2-6-3.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 34=-103(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 34, 18 except 33=1767(LC 7), 30=3093(LC 6), 26=3387(LC 5), 22=2939(LC 7), 19=1772(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/403, 2-3=0/403, 3-4=-291/357, 4-5=-291/357, 5-6=-1398/0, 6-7=-1398/0, 7-8=-1398/0, 8-9=0/1872, 9-10=0/1872, 10-11=-1552/0, 11-12=-1552/0, 12-13=-1552/0, 13-14=-274/380, 14-15=-274/380, 15-16=0/361, 16-17=0/361
BOT CHORD 33-36=0/728, 32-36=0/728, 32-37=0/728, 31-37=0/728, 31-38=-1636/0, 30-38=-1636/0, 30-39=-1636/0, 29-39=-1636/0, 28-29=0/1347, 28-40=0/1347, 27-40=0/1347, 27-41=0/1347, 41-42=0/1347, 26-42=0/1347, 26-43=0/1169, 43-44=0/1169, 25-44=0/1169, 25-45=0/1169, 24-45=0/1169, 23-46=-1553/0, 22-46=-1553/0, 22-47=-1553/0, 21-47=-1553/0, 20-21=0/671, 20-48=0/671, 19-48=0/671
WEBS 1-33=-425/0, 2-33=-310/0, 3-33=-1219/0, 3-32=0/463, 3-31=-721/0, 5-31=0/1674, 5-30=-1862/0, 5-29=0/3039, 6-29=-305/0, 8-29=-17/259, 8-27=0/505, 8-26=-3056/0, 9-26=-493/0, 10-26=-2909/0, 10-25=0/357, 10-24=0/595, 23-24=0/1552, 11-23=-307/0, 13-23=0/3131, 13-22=-1842/0, 13-21=0/1562, 15-21=-696/0, 15-20=0/412, 15-19=-1113/0, 16-19=-307/0, 17-19=-390/0

NOTES-
1) 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: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced floor live loads have been considered for this design.
4) The Fabrication Tolerance at joint 7 = 20%, joint 28 = 20%, joint 12 = 20%
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 34.
6) 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.
7) 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.

Continued on page 2

NOTES-

8) 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 1-0-12 from the left end to 39-0-12 to connect truss(es) D1 (1 ply 2x4 SPF), D2 (1 ply 2x4 SPF), D2H (1 ply 2x4 SPF), D2 (1 ply 2x4 SPF), D3 (1 ply 2x4 SPF) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 1-17=-100, 24-34=-20, 18-23=-20
   Concentrated Loads (lb)
      Vert: 31=-418(F) 29=-388(F) 23=-375(F) 21=-388(F) 20=-388(F) 35=-419(F) 36=-418(F) 37=-418(F) 38=-418(F) 39=-388(F) 40=-388(F) 41=-388(F) 42=-375(F) 43=-375(F) 44=-375(F) 45=-375(F) 46=-375(F) 47=-388(F) 48=-451(F) 49=-453(F)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FJ2	Jack-Open	2	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:15 2021 Page 1
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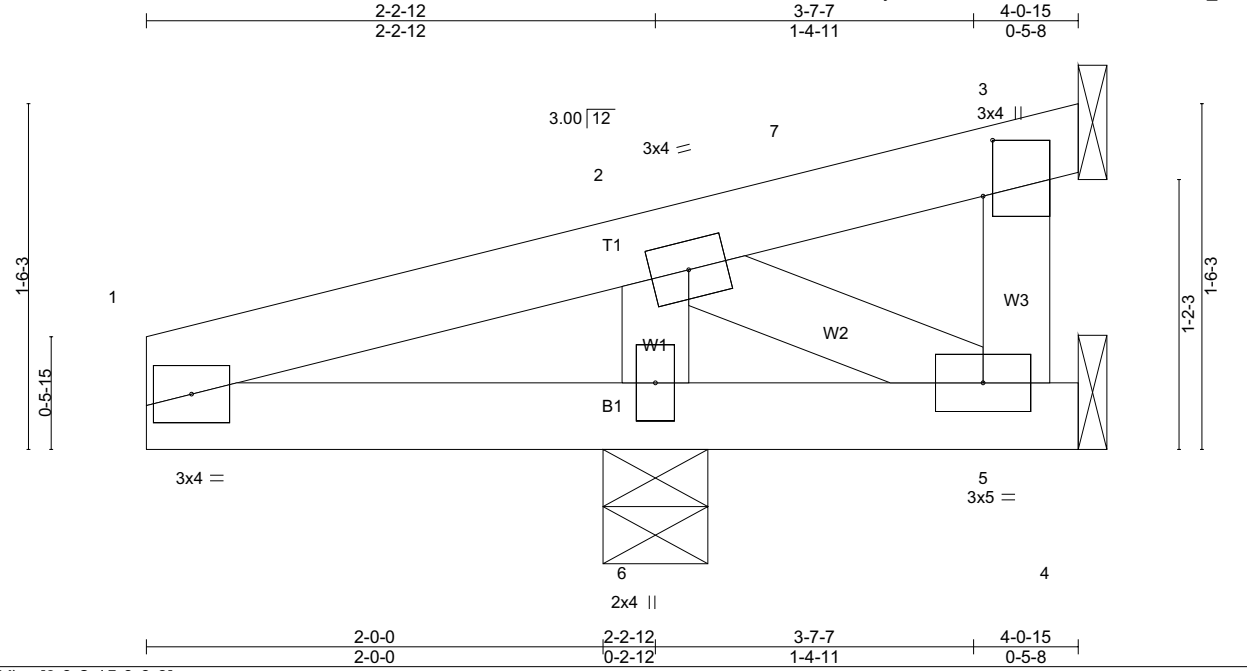

Plate Offsets (X,Y)-- [3:0-2-15,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	-0.00	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 4-0-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=367/0-5-8 (min. 0-1-8), 5=-78/Mechanical, 3=22/Mechanical
Max Horz 6=42(LC 8)
Max Uplift 6=-109(LC 8), 5=-78(LC 1), 3=-12(LC 12)
Max Grav 6=367(LC 1), 5=36(LC 8), 3=22(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-304/249

NOTES-
1) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 3-9-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 6, 78 lb uplift at joint 5 and 12 lb uplift at joint 3.
6) 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.
7) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FJ2A	Jack-Open	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:16 2021 Page 1

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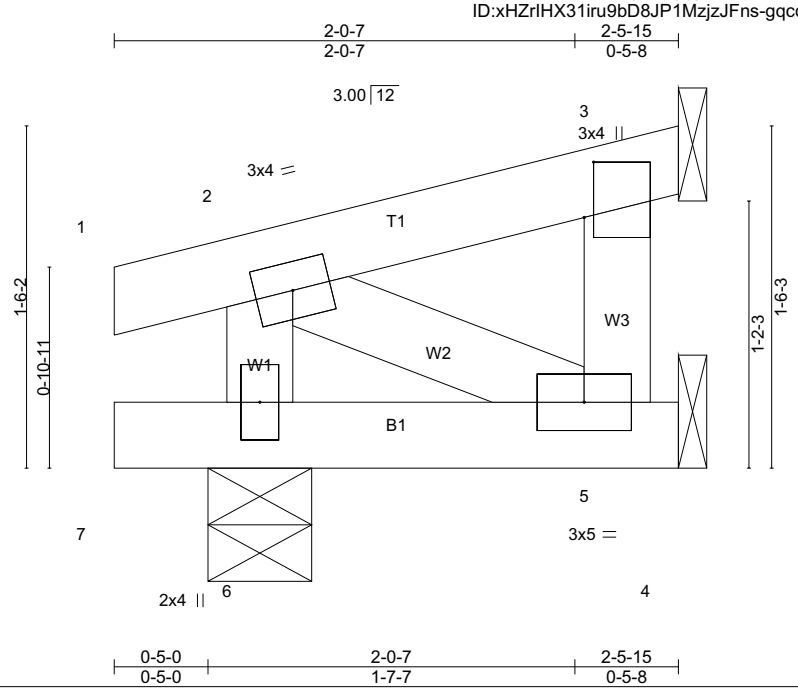


Plate Offsets (X,Y)-- [3:0-2-15,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	-0.00	6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.01	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 2-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=125/0-5-8 (min. 0-1-8), 5=19/Mechanical, 3=40/Mechanical
Max Horz 6=22(LC 8)
Max Uplift 6=-17(LC 8), 3=-18(LC 12)
Max Grav 6=125(LC 1), 5=38(LC 3), 3=40(LC 1)

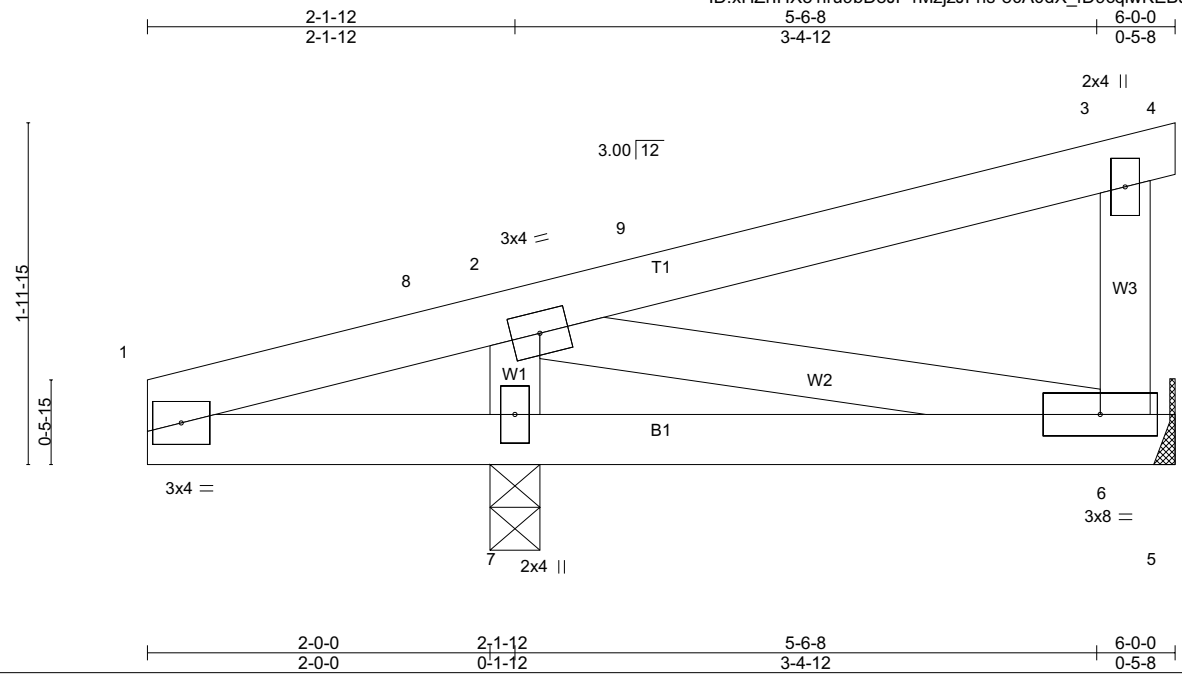
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
1) 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 and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 6 and 18 lb uplift at joint 3.
6) 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.
7) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FJ6	Jack-Closed	14	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:17 2021 Page 1
ID:xHZrIHX31iru9bD8JP1MzjzJFns-80A0dX_fD9cqiwKEBJ4i9xrsrDhSeGYrf99yoBymZ_y



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=103/Mechanical, 7=365/0-3-8 (min. 0-1-8)
Max Horz 7=64(LC 11)
Max Uplift6=-25(LC 12), 7=-99(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-285/226

NOTES-
1) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 6 and 99 lb uplift at joint 7.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FJ7	Jack-Closed	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:18 2021 Page 1

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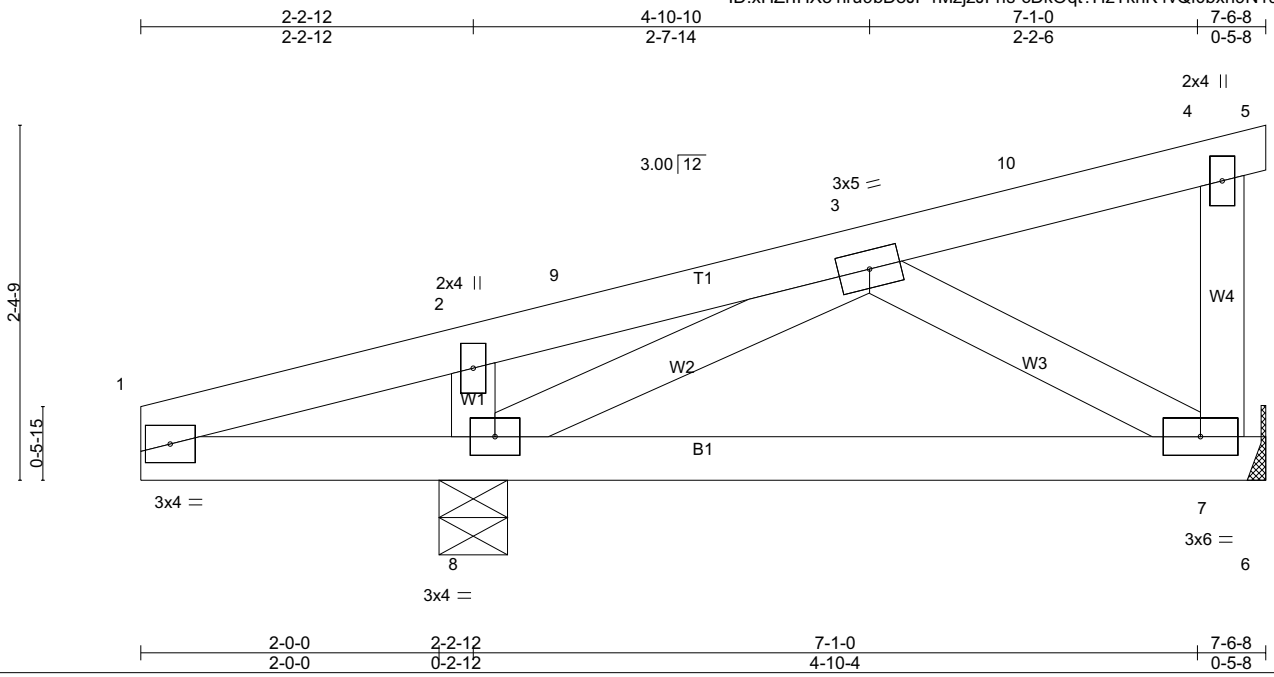

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	-0.02	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.04	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 26 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=173/Mechanical, 8=418/0-5-8 (min. 0-1-8)
Max Horz 8=79(LC 11)
Max Uplift 7=-27(LC 8), 8=-106(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-8=-263/207

NOTES-
1) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-6-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 7 and 106 lb uplift at joint 8.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FJ7A	Jack-Closed	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:19 2021 Page 1

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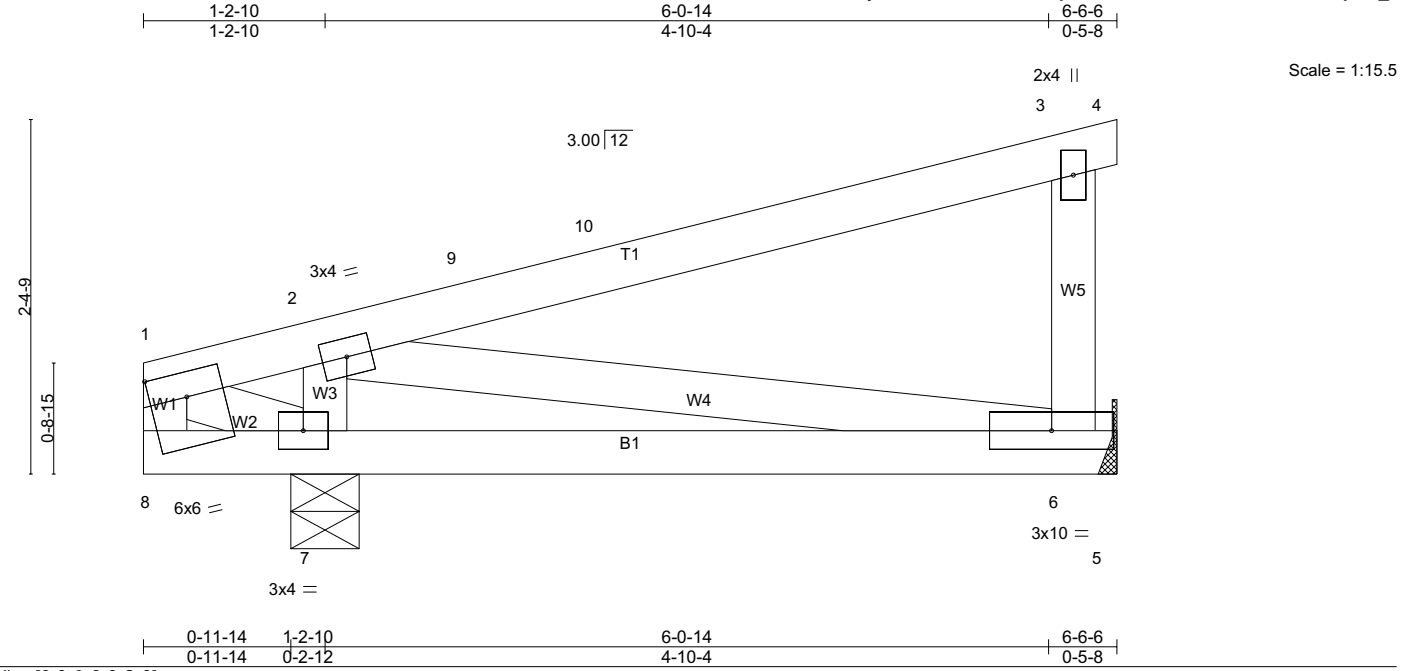

Plate Offsets (X,Y)-- [8:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	-0.02	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=204/Mechanical, 7=295/0-5-8 (min. 0-1-8)
Max Horz 7=77(LC 9)
Max Uplift6=-38(LC 12), 7=-61(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-273/191

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-6-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 6 and 61 lb uplift at joint 7.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	FJ8	Jack-Closed	12	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:19 2021 Page 1

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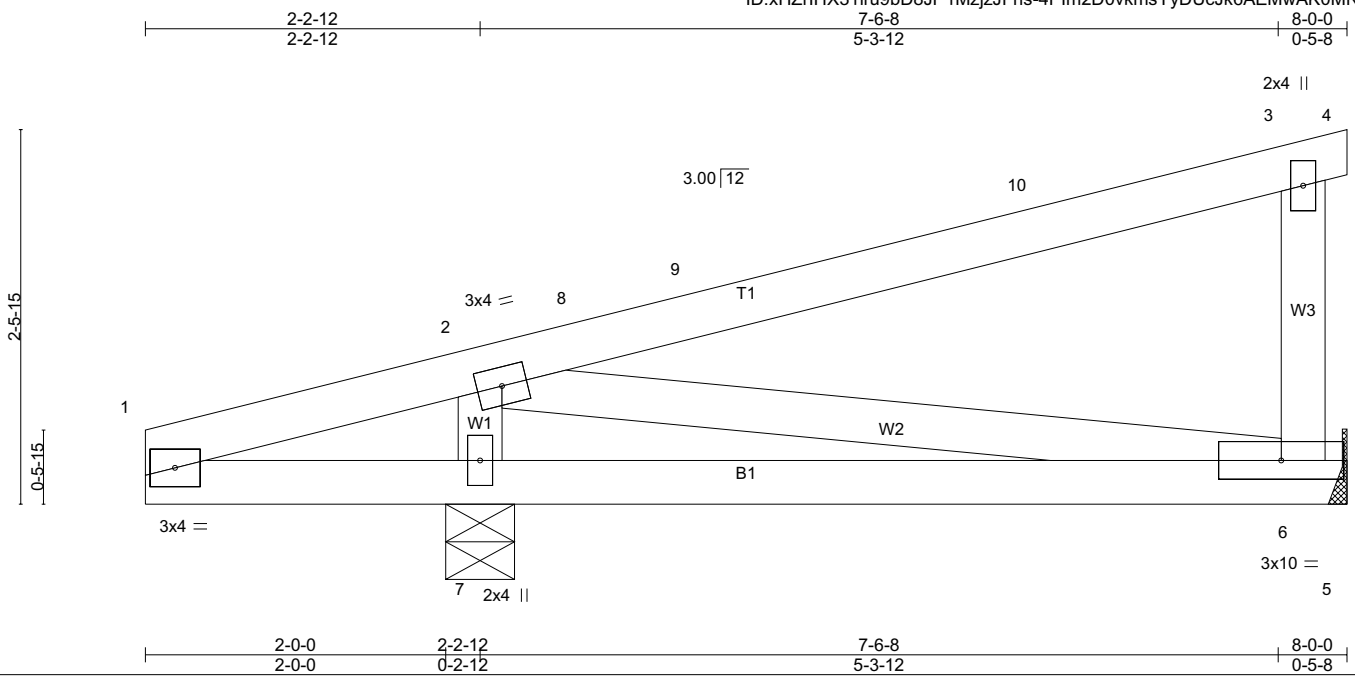


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.03	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	-0.06	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=195/Mechanical, 7=433/0-5-8 (min. 0-1-8)
Max Horz 7=83(LC 9)
Max Uplift 6=-31(LC 8), 7=-107(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-322/236

NOTES-
1) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 6 and 107 lb uplift at joint 7.
6) 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.

LOAD CASE(S) Standard

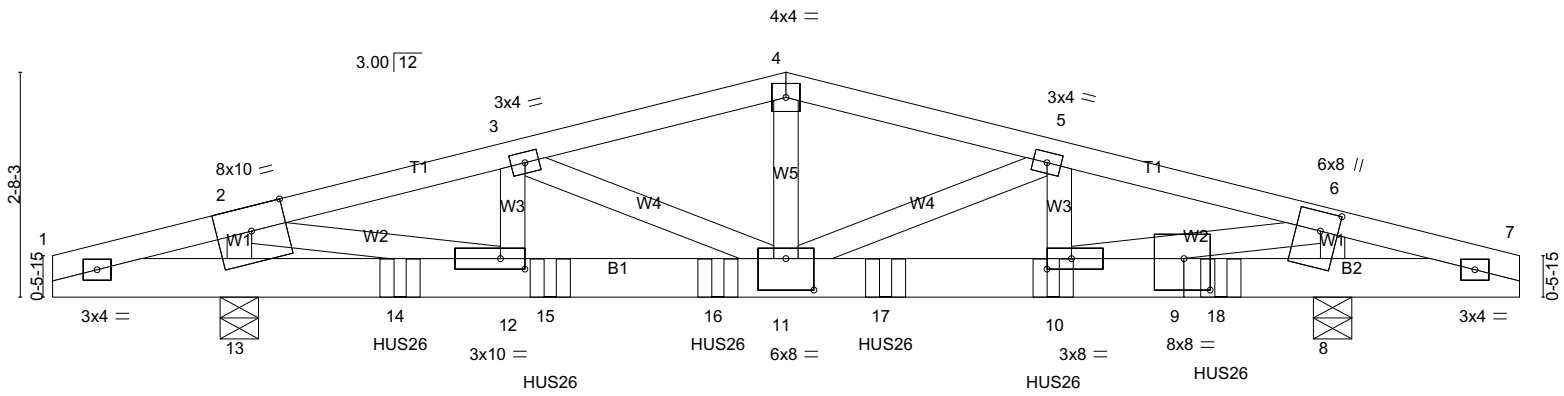
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	GIR1	Common Girder	1	3	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:22 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-U_zvgF2o1hF7phDB_sgts?YiaEIDJPnbpQtjTPymZ_t

2-2-12	5-5-14	8-9-0	12-0-2	15-3-4	17-0-8	17-6-0
2-2-12	3-3-2	3-3-2	3-3-2	3-3-2	1-9-4	0-5-8

Scale = 1:27.5



2-0-0	2-2-12	5-5-14	8-9-0	12-0-2	15-3-4	15-6-0	17-0-8	17-6-0
2-0-0	0-2-12	3-3-2	3-3-2	3-3-2	3-3-2	0-2-12	1-6-8	0-5-8

Plate Offsets (X,Y)-- [6:0-2-12,0-2-8], [9:0-3-12,0-4-8], [10:0-3-8,0-1-8], [11:0-4-0,0-4-8], [12:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.07	10-11	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.14	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 215 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2: 2x4 SPF No.2

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

REACTIONS. (lb/size) 8=5545/0-5-8 (min. 0-2-14), 13=4944/0-5-8 (min. 0-2-9)
Max Horz 13=36(LC 31)
Max Uplift8=-698(LC 5), 13=-670(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1538/236, 2-3=-8826/1091, 3-4=-8194/951, 4-5=-8193/951, 5-6=-8496/977, 6-7=-836/162
BOT CHORD 1-13=-218/1484, 13-14=-223/1484, 12-14=-223/1484, 12-15=-1049/8514, 15-16=-1049/8514, 11-16=-1049/8514, 11-17=-902/8192, 10-17=-902/8192, 9-10=-902/8192, 9-18=-147/817, 8-18=-147/817, 7-8=-147/817
WEBS 4-11=-390/3638, 5-11=-337/77, 5-10=-141/270, 6-9=-911/7946, 6-8=-5006/636, 3-11=-685/189, 3-12=-160/473, 2-12=-892/7211, 2-13=-3492/493

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 6-8 2x4 - 1 row at 0-4-0 oc, member 2-13 2x4 - 1 row at 0-4-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 698 lb uplift at joint 8 and 670 lb uplift at joint 13.
8) 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.
9) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 4-1-12 from the left end to 13-11-4 to connect truss(es) H9A (1 ply 2x4 SPF), H8A (1 ply 2x4 SPF), H7A (1 ply 2x4 SPF), H6A (1 ply 2x4 SPF), H5A (1 ply 2x4 SPF), H4A (1 ply 2x6 SPF) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 1-7=-20
Concentrated Loads (lb)
Vert: 10=-1455(B) 14=-1451(B) 15=-1458(B) 16=-1455(B) 17=-1455(B) 18=-1813(B)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	GR2	Jack-Closed Girder	1	1	Job Reference (optional)

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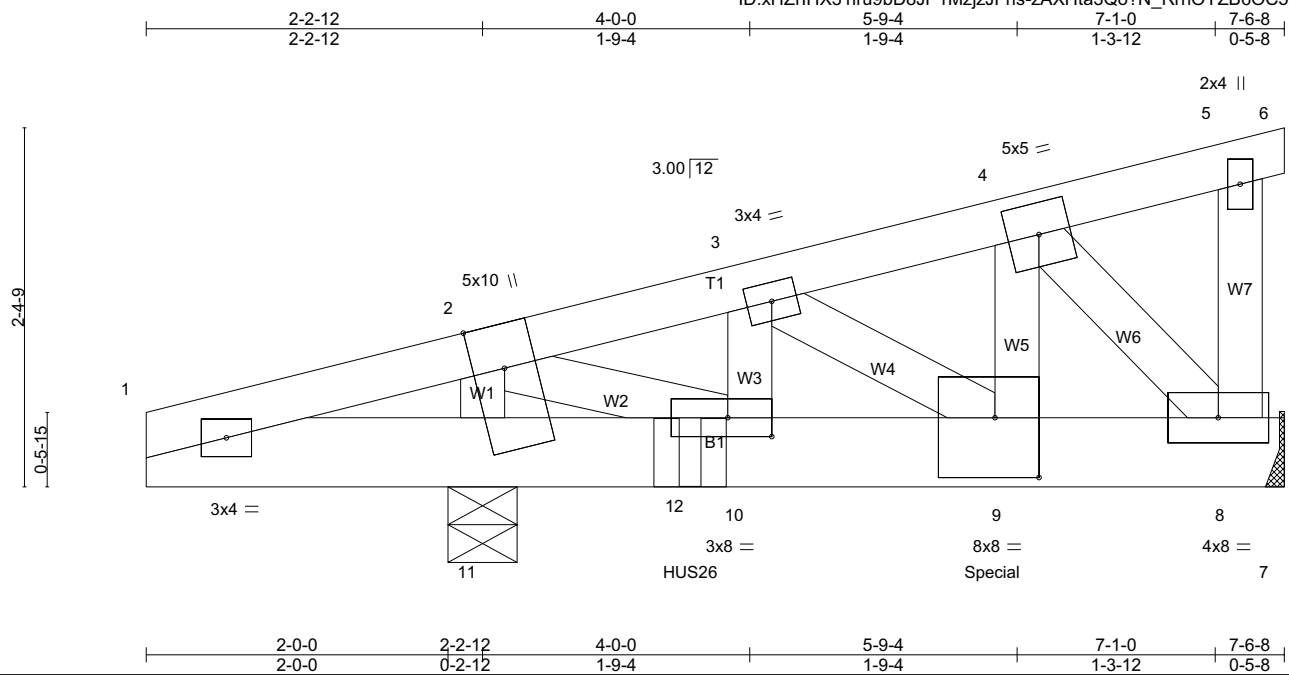


Plate Offsets (X,Y)-- [9:0-3-8,0-4-12], [10:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	10	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.02	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 32 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 5-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=1272/Mechanical, 11=1556/0-5-8 (min. 0-2-7)
Max Horz 11=76(LC 5)
Max Uplift8=-185(LC 4), 11=-276(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1472/217, 3-4=-1088/158
BOT CHORD 9-10=-236/1401, 8-9=-162/1053
WEBS 2-11=-1004/195, 2-10=-199/1364, 3-10=-104/294, 3-9=-412/98, 4-9=-164/1235, 4-8=-1528/229

NOTES-
1) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 185 lb uplift at joint 8 and 276 lb uplift at joint 11.
6) 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.
7) Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent at 3-7-4 from the left end to connect truss(es) H2A (1 ply 2x4 SPF) to back face of bottom chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1126 lb down and 168 lb up at 5-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-60, 5-6=-20, 1-7=-20
Concentrated Loads (lb)
Vert: 9=-1126(B) 12=-1110(B)

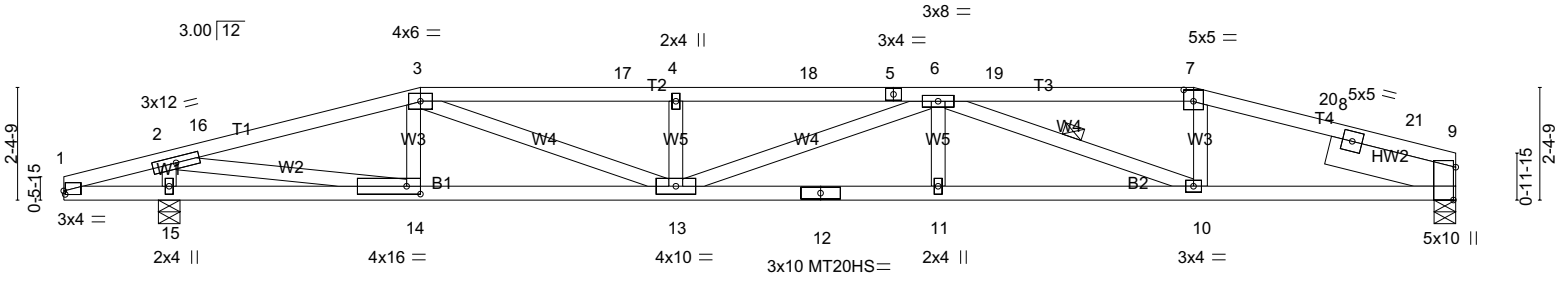
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H1	Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:24 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-RN5f5w42ZJVr2?Ma5HiLxQdrt1y5nGftGkMqYHymZ_r

2-2-12	7-6-8	12-11-5	18-5-13	23-10-10	28-11-10	29-5-2
2-2-12	5-3-12	5-4-13	5-6-9	5-4-13	5-1-0	0-5-8

Scale = 1:48.7



2-0-0	2-2-12	7-6-8	12-11-5	18-5-13	23-10-10	28-11-10	29-5-2
2-0-0	0-2-12	5-3-12	5-4-13	5-6-9	5-4-13	5-1-0	0-5-8

Plate Offsets (X,Y)-- [1:0-0-6,0-0-14], [7:0-2-8,0-2-14], [9:0-8-5,Edge], [14:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.97	Vert(LL)	-0.27	11-13	>999	360	MT20	185/144
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.56	11-13	>580	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 108 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E *Except*
	T4: 2x4 HF SS
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF Stud
SLIDER	Right 2x8 SPF No.2 -x 2-9-10

BRACING-

TOP CHORD	Sheathed.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 9=1081/0-5-8 (min. 0-1-11), 15=1274/0-5-8 (min. 0-2-0)
Max Horz 15=33(LC 16)
Max Uplift9=-164(LC 9), 15=-233(LC 8)

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

TOP CHORD	2-16=-2285/314, 3-16=-2241/328, 3-17=-3398/525, 4-17=-3397/525, 4-18=-3398/525, 5-18=-3398/525, 5-6=-3398/525, 6-19=-2219/370, 7-19=-2220/370, 7-20=-2391/373, 8-20=-2396/364, 8-21=-2395/364, 9-21=-2467/356
BOT CHORD	13-14=-292/2189, 12-13=-475/3460, 11-12=-475/3460, 10-11=-475/3460, 9-10=-294/2258
WEBS	2-15=-1144/259, 2-14=-291/2093, 3-13=-233/1358, 4-13=-339/141, 6-10=-1407/239, 7-10=-11/573

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 7-6-8, Exterior(2) 7-6-8 to 11-9-7, Interior(1) 11-9-7 to 23-10-10, Exterior(2) 23-10-10 to 28-1-9, Interior(1) 28-1-9 to 29-5-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 9 and 233 lb uplift at joint 15.
8) 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.

LOAD CASE(S) Standard

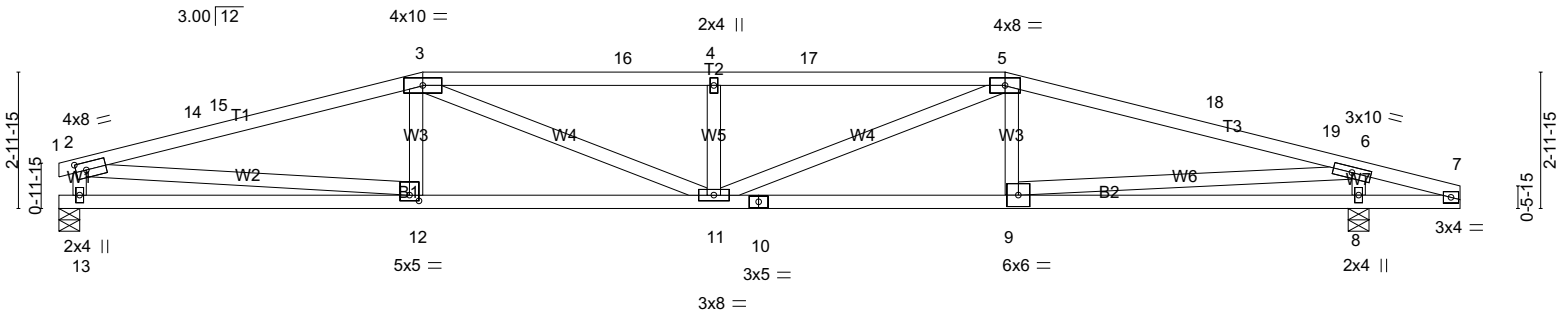
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H1A	Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:25 2021 Page 1

ID:xHZrlHX31iru9bD8JP1MzjzJFns-vZf1IG4gKcdig8xmf_DaTdA2dRKTWh91VO5N4jymZ_q

8-0-0	14-4-13	20-9-10	28-6-14	30-4-2	30-9-10
8-0-0	6-4-13	6-4-13	7-9-4	1-9-4	0-5-8

Scale = 1:50.6



8-0-0	14-4-13	20-9-10	28-6-14	28-9-10	30-4-2	30-9-10
8-0-0	6-4-13	6-4-13	7-9-4	0-2-12	1-6-8	0-5-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.20	11	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.42	9-11	>804	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except*
T1: 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=1310/0-5-8 (min. 0-2-1), 13=1145/0-5-8 (min. 0-1-13)
Max Horz 13=-58(LC 13)
Max Uplift8=-232(LC 9), 13=-179(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-2473/334, 14-15=-2437/335, 3-15=-2434/348, 3-16=-2978/449, 4-16=-2978/449, 4-17=-2978/449, 5-17=-2978/449, 5-18=-2421/340, 18-19=-2435/328, 6-19=-2485/320, 6-7=-367/63
BOT CHORD 11-12=-307/2366, 10-11=-259/2352, 9-10=-259/2352, 8-9=-63/378, 7-8=-63/378
WEBS 3-11=-167/807, 4-11=-420/170, 5-11=-166/811, 6-9=-265/1980, 6-8=-1152/297, 2-13=-1083/215, 2-12=-291/2375

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-0-15, Interior(1) 3-0-15 to 8-0-0, Exterior(2) 8-0-0 to 12-4-4, Interior(1) 12-4-4 to 20-9-10, Exterior(2) 20-9-10 to 25-1-14, Interior(1) 25-1-14 to 30-9-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 8 and 179 lb uplift at joint 13.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H2	Roof Special Girder	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:26 2021 Page 1
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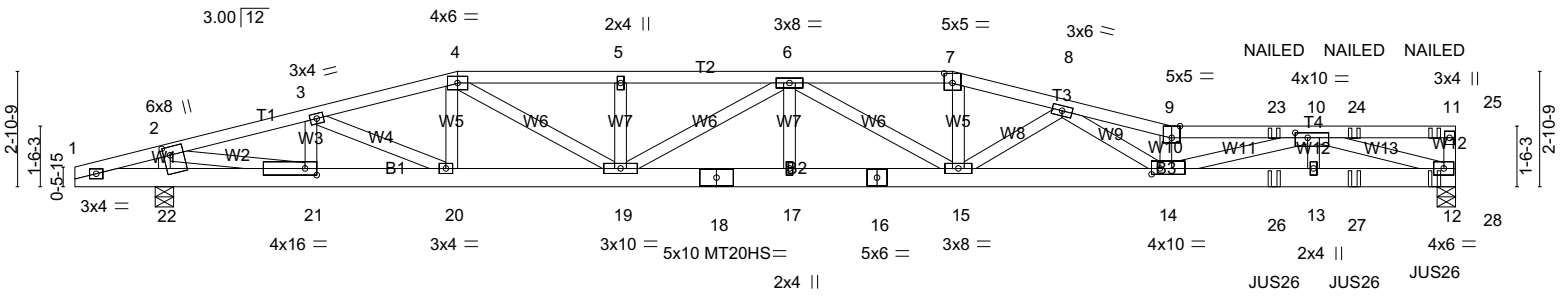
2-2-12	5-10-10	9-6-8	13-7-5	17-9-13	21-10-10	24-7-7	27-4-3	30-10-11	33-11-10	34-5-2
2-2-12	3-7-14	3-7-14	4-0-13	4-2-9	4-0-13	2-8-13	2-8-13	3-6-7	3-0-15	0-5-8

Scale = 1:57.5



2-0-0	2-2-12	5-10-10	9-6-8	13-7-5	17-9-13	21-10-10	27-4-3	30-10-11	33-11-10	34-5-2
2-0-0	2-2-12	3-7-14	3-7-14	4-0-13	4-2-9	4-0-13	5-5-9	3-6-7	3-0-15	0-5-8

Plate Offsets (X,Y)-- [2:0-2-8,0-2-0], [7:0-2-8,0-2-14], [9:0-2-8,Edge], [10:0-3-12,0-1-8], [14:0-2-8,0-1-12], [21:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.40	14-15	>967	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.79	14-15	>487	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 153 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W11: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 2-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=1184/0-5-8 (min. 0-1-14), 22=1462/0-5-8 (min. 0-2-5)
Max Horz 22=43(LC 8)
Max Uplift12=-267(LC 5), 22=-242(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-299/49, 2-3=-2486/317, 3-4=-2960/394, 4-5=-3678/550, 5-6=-3677/550, 6-7=-3860/619, 7-8=-4048/634, 8-9=-5665/909, 9-23=-5682/904, 10-23=-5682/904
BOT CHORD 1-22=-37/280, 21-22=-63/280, 20-21=-298/2381, 19-20=-360/2849, 18-19=-601/4042, 17-18=-601/4042, 16-17=-601/4042, 15-16=-601/4042, 14-15=-744/4565, 14-26=-601/3243, 13-26=-601/3243, 13-27=-601/3243, 27-28=-601/3243, 12-28=-601/3243
WEBS 2-22=-1144/219, 2-21=-288/2135, 3-21=-517/128, 3-20=-88/583, 4-19=-184/1043, 5-19=-252/106, 6-19=-479/98, 6-15=-421/124, 7-15=-76/791, 8-15=-806/188, 8-14=-172/1130, 9-14=-1507/286, 10-14=-364/2575, 10-12=-3276/589

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 12 and 242 lb uplift at joint 22.
8) 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.
9) 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 29-10-14 from the left end to 33-10-14 to connect truss(es) FJ2A (1 ply 2x4 SPF), FJ2 (1 ply 2x4 SPF) to front face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-7=-60, 7-9=-60, 9-11=-60, 1-12=-20
Concentrated Loads (lb)
Vert: 27=51(F) 28=45(F)

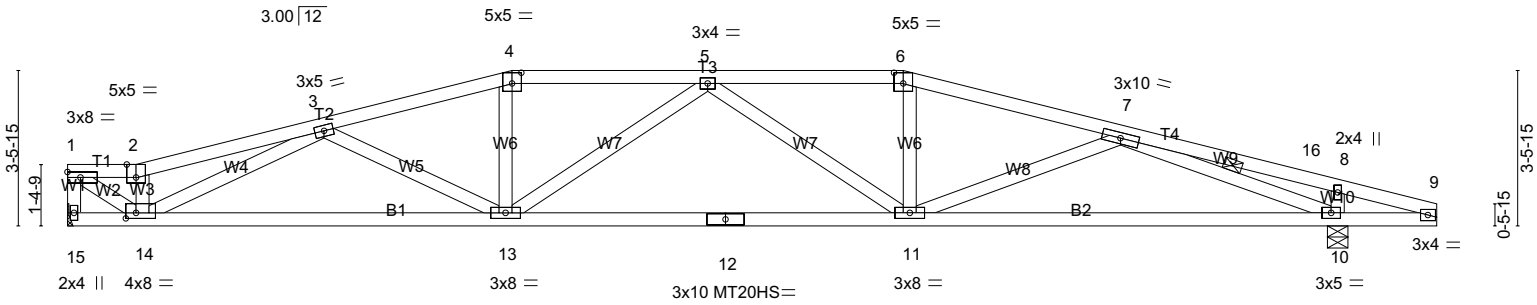
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H2A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:27 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-rynojy6wsEtPvS59nPF2Z2FX7Fzp_ehKyiaU9cymZ_o

1-6-8	5-9-4	10-0-0	14-4-13	18-9-10	23-8-4	28-6-14	30-4-2	30-9-10
1-6-8	4-2-12	4-2-12	4-4-13	4-4-13	4-10-10	4-10-10	1-9-4	0-5-8

Scale = 1:51.8



1-6-8	10-0-0	18-9-10	28-6-14	30-4-2	30-9-10
1-6-8	8-5-8	8-9-10	9-9-4	0-2-12	1-6-8 0-5-8

Plate Offsets (X,Y)-- [2:0-2-8,Edge], [4:0-2-8,0-2-14], [6:0-2-8,0-2-14], [14:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.17	10-11	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.39	11-13	>865	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 115 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 4-4-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 15=1130/Mechanical, 10=1322/0-5-8 (min. 0-2-1)
Max Horz 15=-54(LC 17)
Max Uplift15=-157(LC 8), 10=-225(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-1136/122, 1-2=-1592/167, 2-3=-1589/180, 3-4=-2430/320, 4-5=-2309/323, 5-6=-2286/306, 6-7=-2408/299, 7-16=-259/0, 8-16=-274/0, 8-9=-267/0
BOT CHORD 13-14=-343/2383, 12-13=-296/2497, 11-12=-296/2497, 10-11=-294/2241, 9-10=0/252
WEBS 1-14=-197/1887, 2-14=-530/115, 3-14=-973/215, 4-13=0/365, 5-13=-357/139, 5-11=-380/150, 6-11=0/352, 7-11=0/257, 7-10=-2249/447, 8-10=-284/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 1-6-8, Interior(1) 1-6-8 to 30-9-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 15 and 225 lb uplift at joint 10.
9) 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.

LOAD CASE(S) Standard

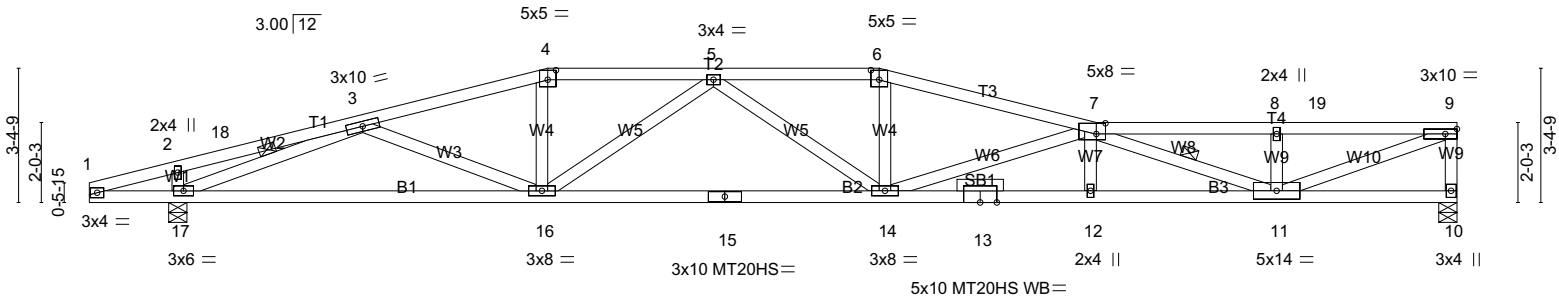
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H3	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:28 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-J8LAwI7ZdX?GXcgLK7nH5GoexeGxj2KTBMK2h2ymZ_n

2-2-12	6-10-10	11-6-8	15-8-9	19-10-10	25-4-3	29-10-11	33-11-10	34-5-2
2-2-12	4-7-14	4-7-14	4-2-1	4-2-1	5-5-9	4-6-7	4-0-15	0-5-8

Scale = 1:58.0



2-0-02-2-12	11-6-8	19-10-10	25-4-3	29-10-11	33-11-10	34-5-2
2-0-00-2-12	9-3-12	8-4-2	5-5-9	4-6-7	4-0-15	0-5-8

Plate Offsets (X,Y)-- [4:0-2-8,0-2-14], [6:0-2-8,0-2-14], [7:0-2-12,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	-0.35	12-14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.71	12-14	>544	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.15	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 131 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W10: 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 3-3-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-8-0 oc bracing.
WEBS 1 Row at midpt 3-17, 7-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 10=1276/0-5-8 (min. 0-2-0), 17=1467/0-5-8 (min. 0-2-5)
Max Horz 17=54(LC 12)
Max Uplift10=-186(LC 9), 17=-224(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-254/0, 3-4=-2874/315, 4-5=-2735/312, 5-6=-3326/470, 6-7=-3484/465, 7-8=-2865/398, 8-19=-2865/398, 9-19=-2865/398, 9-10=-1226/205
BOT CHORD 16-17=-333/2559, 15-16=-441/3202, 14-15=-441/3202, 13-14=-681/4762, 12-13=-681/4762, 11-12=-686/4757
WEBS 2-17=-288/141, 3-17=-2603/432, 3-16=0/383, 4-16=-1/436, 5-16=-673/188, 6-14=0/535, 7-14=-1482/249, 7-11=-2024/280, 8-11=-283/120, 9-11=-432/3015

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-5-5, Interior(1) 3-5-5 to 34-3-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 10 and 224 lb uplift at joint 17.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H3A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:29 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-nKvY8e8BOr779mFXuqIWeTLiB2gySUgcQ03bDVymZ_m

3-6-8	7-9-4	12-0-0	16-9-10	22-9-10	28-4-2	28-9-10
3-6-8	4-2-12	4-2-12	4-9-10	6-0-0	5-6-8	0-5-8

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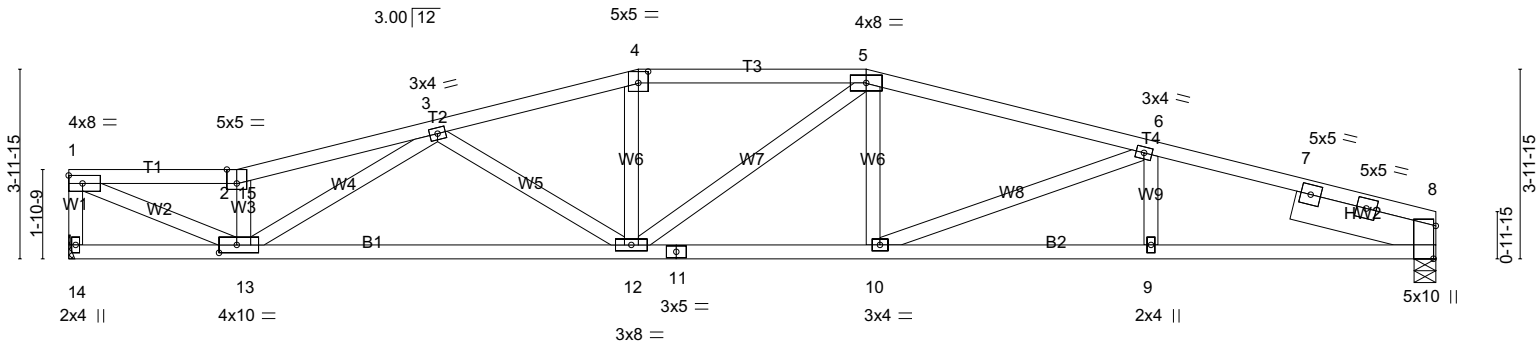

3-6-8	12-0-0	16-9-10	22-9-10	28-4-2	28-9-10
3-6-8	8-5-8	4-9-10	6-0-0	5-6-8	0-5-8

Plate Offsets (X,Y)-- [2:0-2-8,Edge], [4:0-2-8,0-2-14], [8:0-8-5,Edge], [13:0-4-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.18	9-10	>999	360	MT20	185/144
TCDL	10.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.40	12-13	>859	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 115 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except* T4: 2x4 HF SS
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud
SLIDER Right 2x8 SPF No.2 -x 3-1-6

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1146/Mechanical, 8=1146/0-5-8 (min. 0-1-13)
Max Horz 14=-63(LC 13)
Max Uplift14=-148(LC 8), 8=-145(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-1116/149, 1-15=-2290/243, 2-15=-2290/243, 2-3=-2309/261, 3-4=-2302/272, 4-5=-2188/278, 5-6=-2309/290, 6-7=-2584/338, 7-8=-2660/319
BOT CHORD 12-13=-295/2429, 11-12=-165/2206, 10-11=-165/2206, 9-10=-260/2440, 8-9=-260/2440
WEBS 1-13=-265/2455, 2-13=-755/151, 3-12=-308/150, 4-12=0/344, 5-10=0/260, 6-10=-315/140

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 28-9-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 14 and 145 lb uplift at joint 8.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H4	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:30 2021 Page 1

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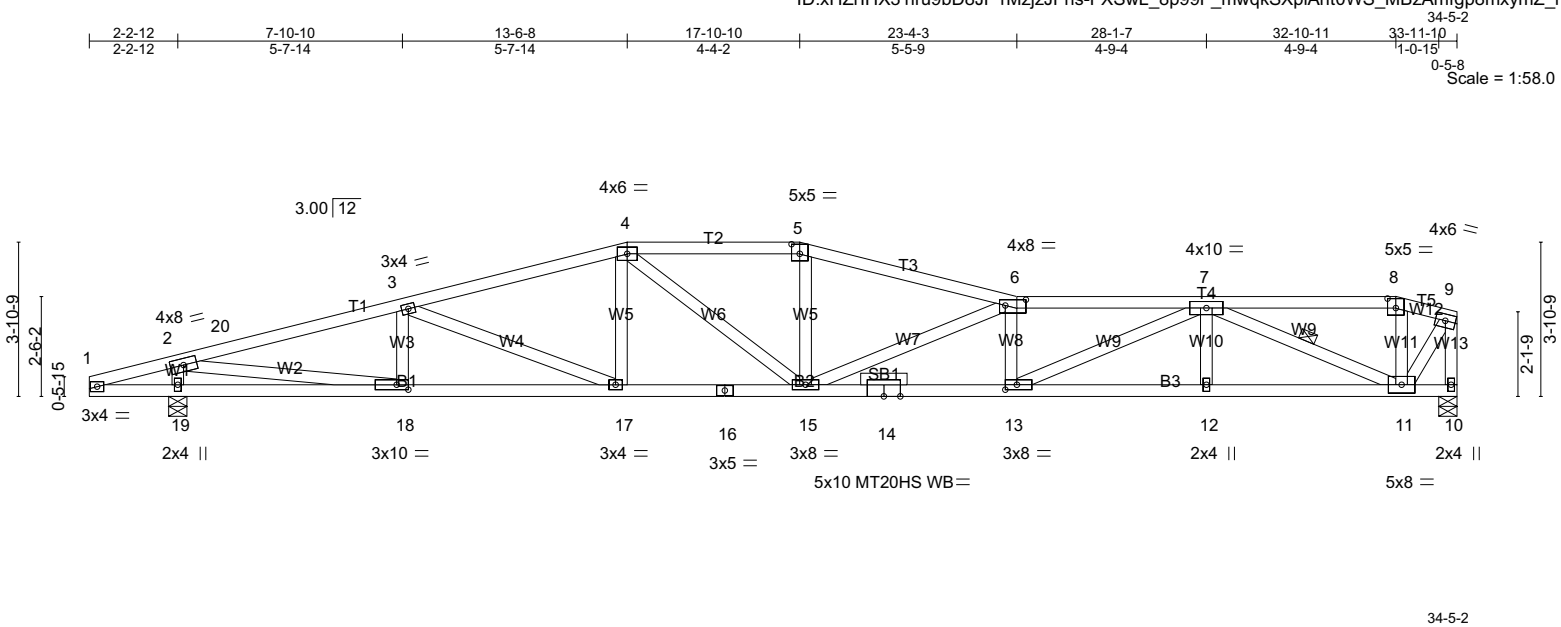

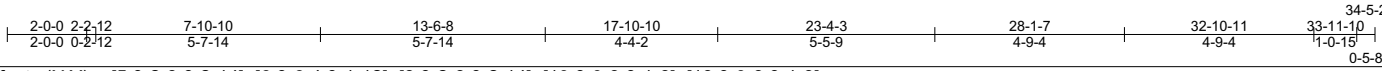

Plate Offsets (X,Y)-- [5:0-2-8,0-2-14], [6:0-6-4,0-1-12], [8:0-2-8,0-2-14], [13:0-3-8,0-1-8], [18:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.29	13-15	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.59	13-15	>652	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 138 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2: 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-4 oc bracing.
WEBS 1 Row at midpt 7-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 19=1467/0-5-8 (min. 0-2-5), 10=1276/0-5-8 (min. 0-2-0)
Max Horz 19=62(LC 16)
Max Uplift19=-209(LC 8), 10=-177(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-2865/276, 3-20=-2822/290, 3-4=-2744/303, 4-5=-2877/383, 5-6=-3022/375, 6-7=-4186/537, 7-8=-743/100, 8-9=-766/90, 9-10=-1282/165
BOT CHORD 17-18=-276/2738, 16-17=-270/2613, 15-16=-270/2613, 14-15=-544/4154, 13-14=-544/4154, 12-13=-408/2913, 11-12=-408/2913
WEBS 2-19=-1314/240, 2-18=-272/2624, 3-18=-266/112, 4-15=-102/476, 5-15=0/442, 6-15=-1365/213, 6-13=-491/128, 7-13=-158/1397, 7-11=-2380/322, 9-11=-169/1310

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-5-5, Interior(1) 3-5-5 to 34-3-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 19 and 177 lb uplift at joint 10.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H4A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:32 2021 Page 1
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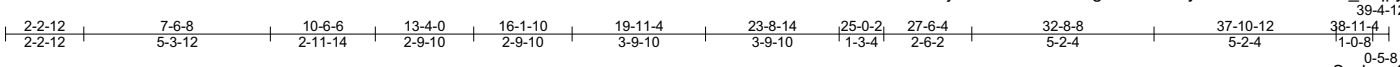

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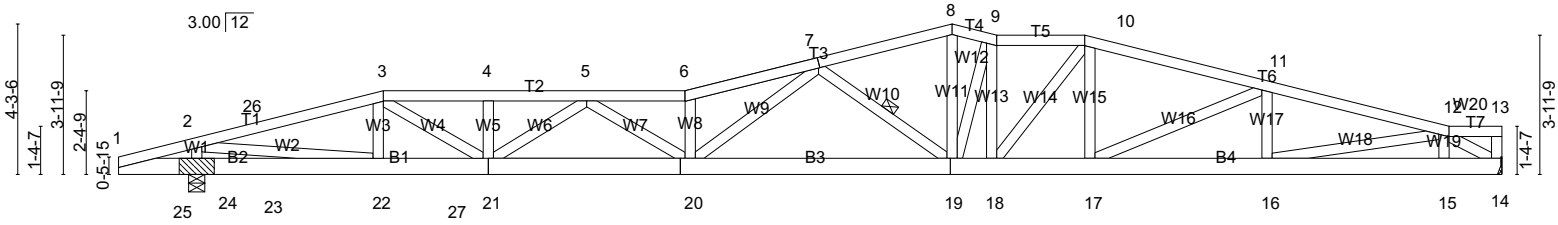

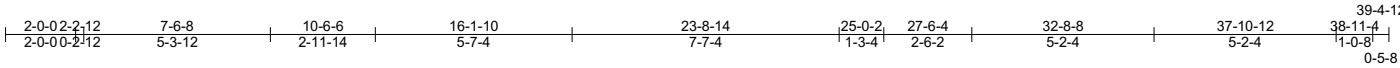

*** Design Problems ***
REVIEW REQUIRED

CSI Failure: 6-7, 20-21

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.14	Vert(LL)	-0.84	20	>532	360		
TCDL	10.0	Lumber DOL	1.25	BC	1.04	Vert(CT)	-1.64	19-20	>272	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.20	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 188 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except*
T1,T2,T3: 2x4 SPF 2100F 1.8E
BOT CHORD 2x6 HF SS *Except*
B4,B3: 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2,W9: 2x4 SPF 1650F 1.5E, W4,W7: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-19

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1931/Mechanical, 24=3426/(0-5-8 + bearing block) (req. 0-5-10)
Max Horz 24=65(LC 12)
Max Uplift14=-244(LC 9), 24=-674(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1208/227, 2-26=-7937/1471, 3-26=-7885/1485, 3-4=-11070/1962, 4-5=-11070/1962, 5-6=-11428/1789, 6-7=-11570/1826, 7-8=-5484/792, 8-9=-5405/792, 9-10=-5389/789, 10-11=-5000/689, 11-12=-4942/618
BOT CHORD 1-25=-213/1177, 24-25=-213/1177, 23-24=-277/1177, 22-23=-277/1177, 22-27=-1451/7691, 21-27=-1451/7691, 20-21=-1918/11417, 19-20=-1114/7537, 18-19=-724/5347, 17-18=-622/4805, 16-17=-590/4762, 15-16=-334/2682, 14-15=-341/2667
WEBS 2-24=-2811/609, 2-22=-1216/6526, 3-22=-581/78, 3-21=-607/4066, 5-21=-935/464, 5-20=-407/793, 6-20=-2932/507, 7-20=-808/4725, 7-19=-2854/578, 8-19=-297/2372, 9-19=-300/169, 9-18=-1037/176, 10-18=-223/1054, 11-17=-196/276, 11-16=-376/129, 12-16=-281/2117, 12-14=-3177/398

NOTES-
1) 2x6 HF SS bearing block 12" long at jt. 24 attached to front face with 3 rows of 10d (0.148"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be HF SS.
2) Unbalanced roof live loads have been considered for this design.
3) 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 and C-C Exterior(2) 0-0-0 to 3-11-4, Interior(1) 3-11-4 to 23-8-14, Exterior(2) 23-8-14 to 25-0-2, Interior(1) 25-0-2 to 39-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.

Continued on page 2

NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint 14 and 674 lb uplift at joint 24.
9) 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.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 437 lb down and 197 lb up at 7-6-8, and 184 lb down and 58 lb up at 9-6-8, and 1596 lb down and 298 lb up at 10-6-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-6=-60, 6-8=-60, 8-9=-60, 9-10=-60, 10-12=-60, 12-13=-60, 1-14=-20
   Concentrated Loads (lb)
      Vert: 22=-437(B) 21=-1596(B) 27=-184(B)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H5	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:33 2021 Page 1

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2-2-12	8-3-6	14-4-0	17-1-2	21-4-3	26-1-7	30-10-11	33-11-10	34-5-2
2-2-12	6-0-10	6-0-10	2-9-2	4-3-1	4-9-4	4-9-4	3-0-15	0-5-8

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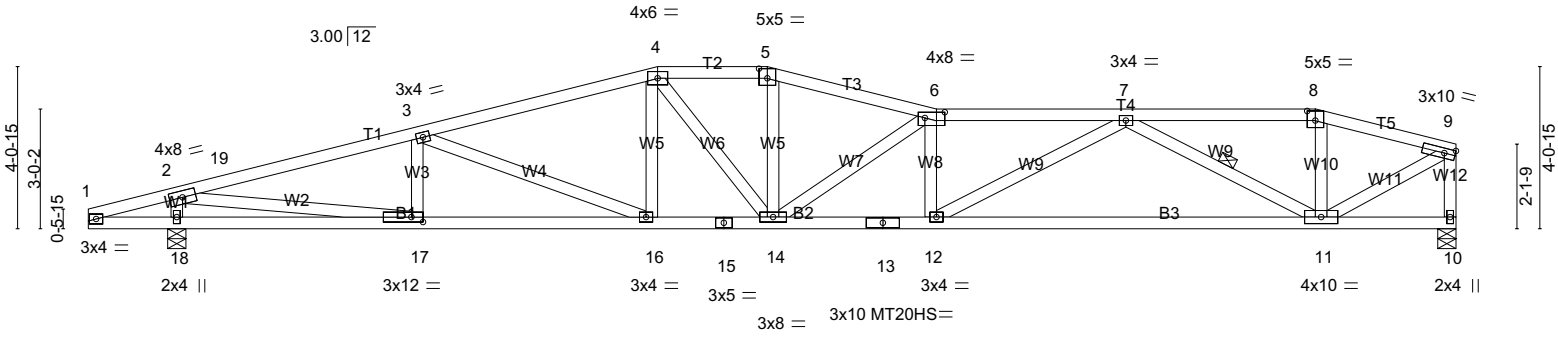

2-0-02-2-12	8-3-6	14-4-0	17-1-2	21-4-3	30-10-11	33-11-10	34-5-2
2-0-00-2-12	6-0-10	6-0-10	2-9-2	4-3-1	9-6-7	3-0-15	0-5-8

Plate Offsets (X,Y)-- [5:0-2-8,0-2-14], [6:0-6-0,0-1-12], [8:0-2-8,0-2-14], [17:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.26	11-12	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.62	11-12	>621	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 137 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 3-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 7-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 18=1467/0-5-8 (min. 0-2-5), 10=1276/0-5-8 (min. 0-2-0)
Max Horz 18=65(LC 12)
Max Uplift18=-202(LC 8), 10=-173(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-2909/259, 3-19=-2864/275, 3-4=-2687/288, 4-5=-2686/348, 5-6=-2819/344, 6-7=-3680/431, 7-8=-1443/179, 8-9=-1518/169, 9-10=-1284/162
BOT CHORD 16-17=-261/2778, 15-16=-248/2553, 14-15=-248/2553, 13-14=-422/3664, 12-13=-422/3664, 11-12=-419/2847
WEBS 2-18=-1310/238, 2-17=-252/2632, 3-16=-345/142, 4-16=0/281, 4-14=-100/355, 5-14=-4/477, 6-14=-1150/140, 6-12=-296/119, 7-12=-28/952, 7-11=-1605/278, 9-11=-168/1653

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-5-5, Interior(1) 3-5-5 to 34-3-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 18 and 173 lb uplift at joint 10.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H5A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:35 2021 Page 1

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2-2-12	5-10-10	9-6-8	13-10-1	18-1-10	23-8-14	27-0-2	29-6-4	35-10-12	38-11-4	39-4-12
2-2-12	3-7-14	3-7-14	4-3-9	4-3-9	5-7-4	3-3-4	2-6-2	6-4-8	3-0-8	0-5-8

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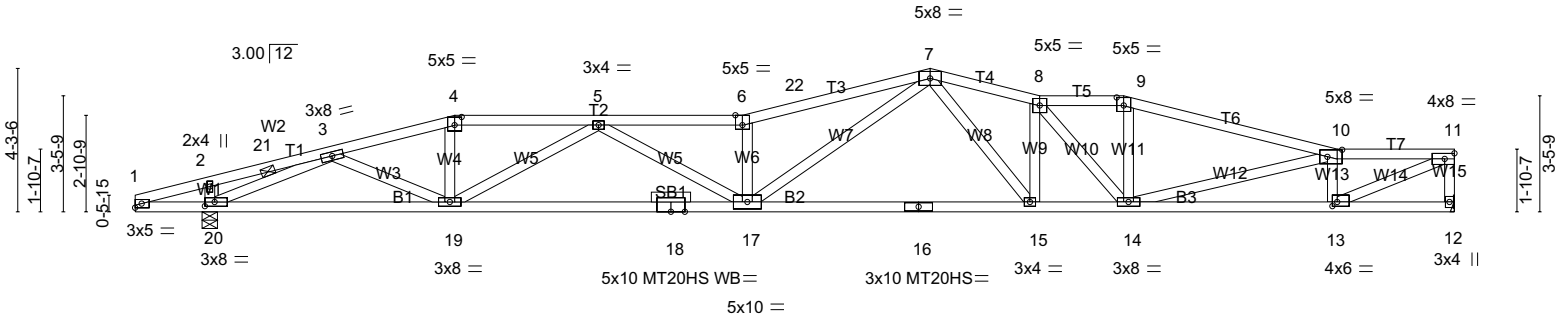

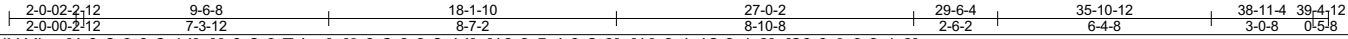

Plate Offsets (X,Y)-- [4:0-2-8,0-2-14], [6:0-2-8,Edge], [9:0-2-8,0-2-14], [10:0-5-4,0-2-8], [13:0-1-12,0-1-8], [20:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.47	17	>941	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.99	15-17	>450	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.18	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 155 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W14: 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-9 oc bracing.
WEBS 1 Row at midpt 3-20

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=1475/Mechanical, 20=1664/0-5-8 (min. 0-2-10)
Max Horz 20=68(LC 12)
Max Uplift12=-144(LC 9), 20=-255(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-3461/397, 4-5=-3307/397, 5-6=-5227/540, 6-22=-5335/564, 7-22=-5296/575, 7-8=-3930/415, 8-9=-3354/355, 9-10=-3527/351, 10-11=-3024/281, 11-12=-1429/161
BOT CHORD 19-20=-390/2787, 18-19=-527/4497, 17-18=-527/4497, 16-17=-361/3334, 15-16=-361/3334, 14-15=-370/3825, 13-14=-281/2907
WEBS 2-20=-284/128, 3-20=-2992/443, 3-19=-11/612, 4-19=-1/588, 5-19=-1377/211, 5-17=-40/845, 6-17=-1566/258, 7-17=-273/2235, 7-15=-89/798, 8-15=-502/146, 8-14=-734/77, 9-14=0/520, 10-14=-74/485, 10-13=-1265/200, 11-13=-306/3258

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-11-4, Interior(1) 3-11-4 to 23-8-14, Exterior(2) 23-8-14 to 27-0-2, Interior(1) 27-0-2 to 39-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 12 and 255 lb uplift at joint 20.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H6	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:36 2021 Page 1

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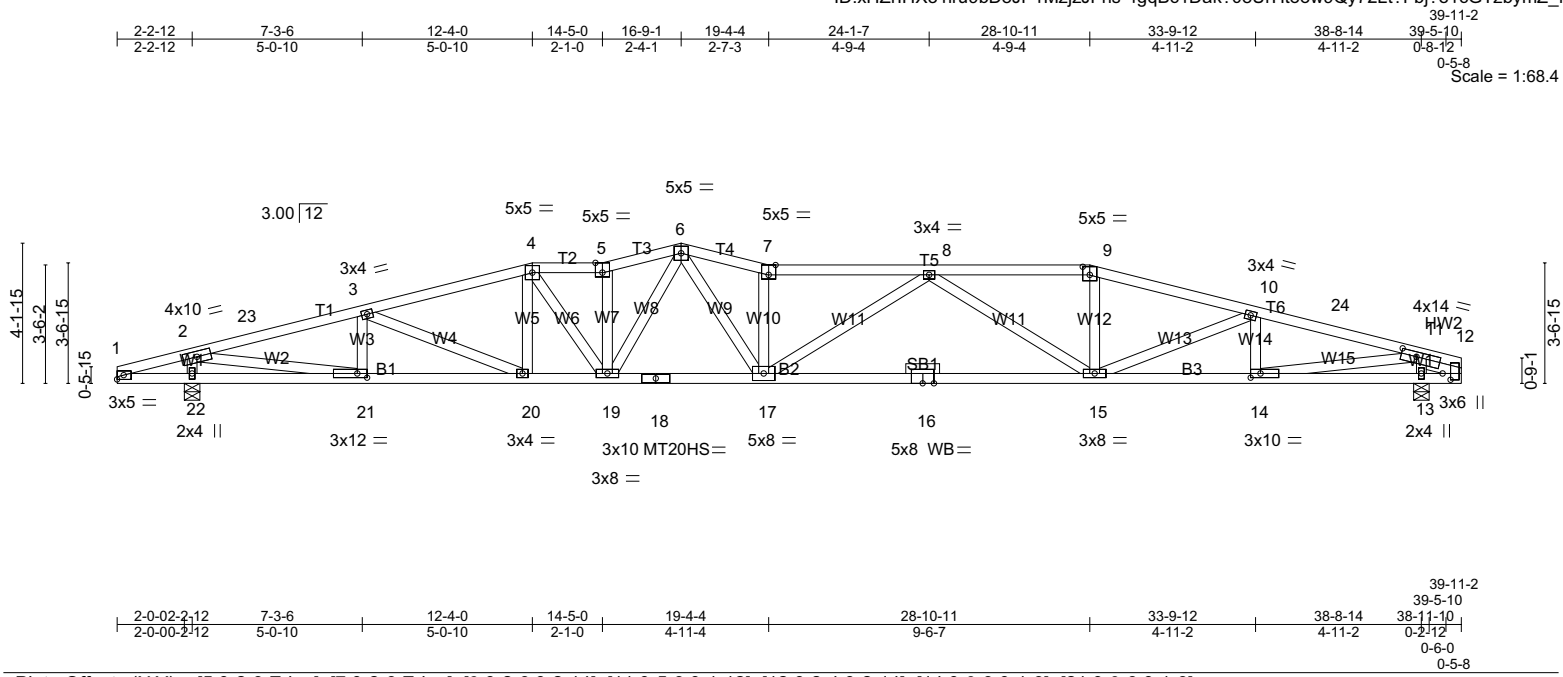

Plate Offsets (X,Y)-- [5:0-2-8,Edge], [7:0-2-8,Edge], [9:0-2-8,0-2-14], [11:0-5-8,0-1-12], [12:0-2-4,0-2-14], [14:0-3-8,0-1-8], [21:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.36	17	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.86	15-17	>512	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.14	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 162 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF Stud *Except* W2,W15: 2x4 SPF No.2
OTHERS	2x4 SPF Stud
SLIDER	Right 2x4 SPF Stud -x 1-1-6

BRACING-

TOP CHORD	Sheathed or 3-3-2 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 22=1643/0-5-8 (min. 0-2-9), 13=1552/0-5-8 (min. 0-2-7)
Max Horz 22=61(LC 16)
Max Uplift 22=-200(LC 8), 13=-225(LC 9)

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

TOP CHORD	2-23=-3226/249, 3-23=-3185/258, 3-4=-3372/318, 4-5=-3572/367, 5-6=-3644/386, 6-7=-4211/454, 7-8=-4125/433, 8-9=-3271/425, 9-10=-3433/423, 10-24=-3195/433, 11-24=-3238/420, 11-12=-378/32
BOT CHORD	20-21=-253/3090, 19-20=-218/3231, 18-19=-236/3275, 17-18=-236/3275, 16-17=-411/3940, 15-16=-411/3940, 14-15=-362/3100, 13-14=-34/373, 12-13=-34/373
WEBS	2-22=-1486/253, 2-21=-297/3000, 3-21=-387/115, 3-20=-45/259, 4-19=-108/606, 5-19=-938/135, 6-19=-119/550, 6-17=-178/1485, 7-17=-1205/194, 8-17=-22/365, 8-15=-800/153, 9-15=0/545, 10-14=-399/99, 11-14=-344/2758, 11-13=-1315/265

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-11-15, Interior(1) 3-11-15 to 16-9-1, Exterior(2) 16-9-1 to 19-4-4, Interior(1) 19-4-4 to 39-11-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 22 and 225 lb uplift at joint 13.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H6A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:37 2021 Page 1
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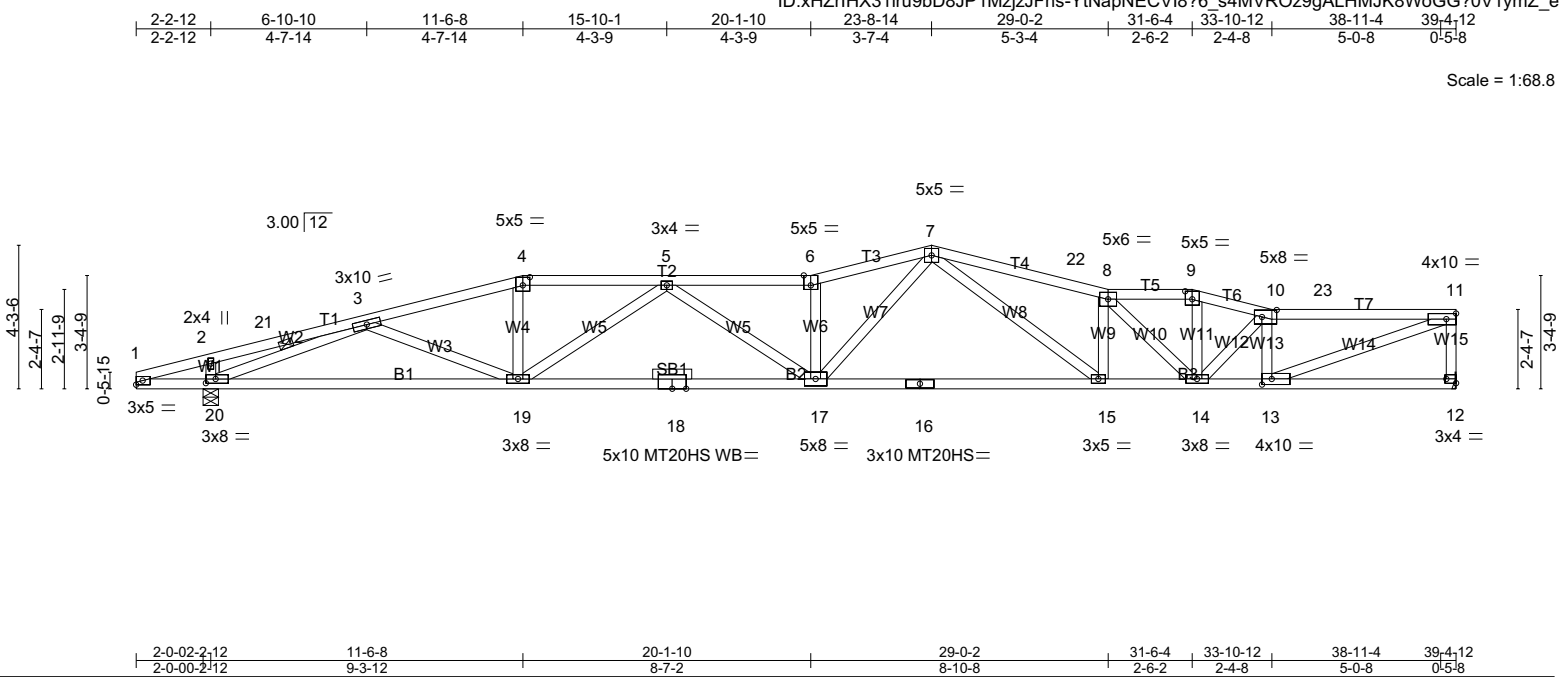

Plate Offsets (X,Y)-- [4:0-2-8,0-2-14], [6:0-2-8,Edge], [9:0-2-8,0-2-14], [10:0-5-4,0-2-8], [12:Edge,0-1-8], [13:0-3-8,0-2-0], [20:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.42	17	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.89	15-17	>498	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.17	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 157 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W14: 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 2-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-20

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=1475/Mechanical, 20=1664/0-5-8 (min. 0-2-10)
Max Horz 20=69(LC 16)
Max Uplift12=-144(LC 9), 20=-255(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-267/0, 2-21=-281/0, 3-21=-264/0, 3-4=-3484/397, 4-5=-3321/399, 5-6=-4453/449, 6-7=-4542/475, 7-22=-4227/472, 8-22=-4263/461, 8-9=-3330/369, 9-10=-3492/380, 10-23=-3343/347, 11-23=-3343/347, 11-12=-1405/189
BOT CHORD 1-20=0/256, 19-20=-431/3033, 18-19=-455/4089, 17-18=-455/4089, 16-17=-374/3331, 15-16=-374/3331, 14-15=-415/4126, 13-14=-335/3261
WEBS 2-20=-299/148, 3-20=-3083/509, 3-19=0/399, 4-19=0/574, 5-19=-936/171, 5-17=-29/488, 6-17=-1295/203, 7-17=-185/1618, 7-15=-130/1002, 8-15=-473/172, 8-14=-1129/94, 9-14=-68/714, 10-13=-1173/199, 11-13=-343/3490

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-11-4, Interior(1) 3-11-4 to 23-8-14, Exterior(2) 23-8-14 to 27-8-2, Interior(1) 27-8-2 to 39-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 12 and 255 lb uplift at joint 20.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H7	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

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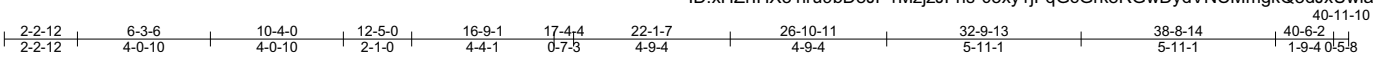

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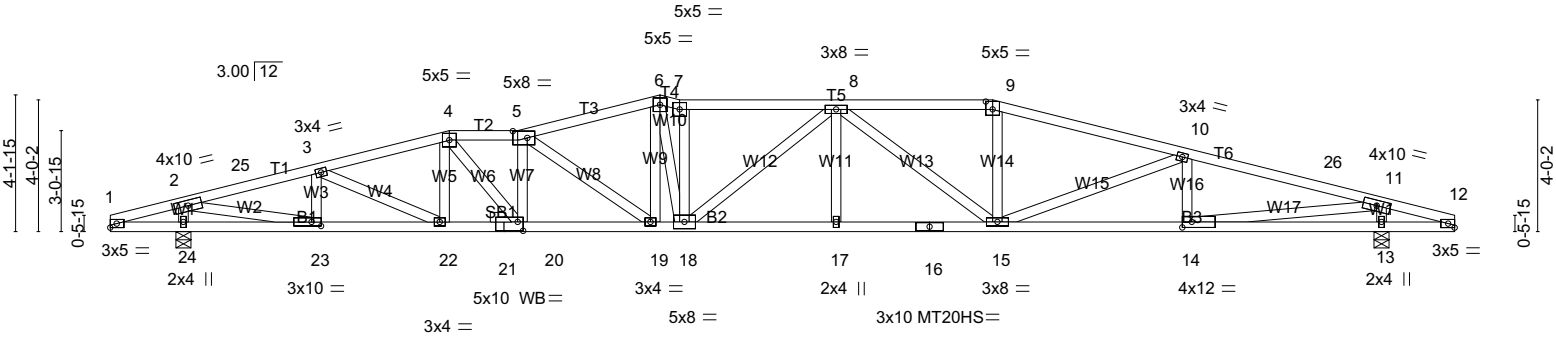

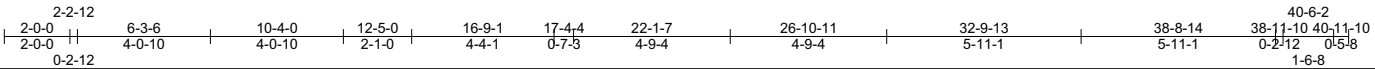

Plate Offsets (X,Y)-- [5:0-5-4,0-2-8], [9:0-2-8,0-2-14], [14:0-3-8,0-2-0], [21:0-2-0,0-3-4], [23:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.32	17-18	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.65	17-18	>670	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.14	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 170 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2,W17: 2x4 SPF No.2
OTHERS 2x4 SPF Stud

BRACING-

TOP CHORD Sheathed or 3-4-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 24=1639/0-5-8 (min. 0-2-9), 13=1639/0-5-8 (min. 0-2-9)
Max Horz 24=61(LC 16)
Max Uplift 24=-272(LC 8), 13=-258(LC 9)

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

TOP CHORD 2-25=-2980/394, 3-25=-2944/404, 3-4=-3384/477, 4-5=-3814/544, 5-6=-3425/485, 6-7=-3534/508, 7-8=-3433/491, 8-9=-3112/421, 9-10=-3273/416, 10-26=-3312/425, 11-26=-3357/410

BOT CHORD 22-23=-388/2856, 21-22=-423/3258, 20-21=-423/3258, 19-20=-484/3779, 18-19=-390/3288, 17-18=-395/3540, 16-17=-395/3540, 15-16=-395/3540, 14-15=-350/3213

WEBS 2-24=-1490/280, 2-23=-401/2851, 3-23=-497/136, 3-22=-61/437, 4-20=-116/889, 5-20=-668/135, 5-19=-584/131, 6-19=-44/423, 7-18=-829/147, 8-18=-317/93, 8-15=-677/139, 9-15=-6/482, 10-14=-304/129, 11-14=-388/3050, 11-13=-1474/289, 6-18=-157/973

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 4-1-3, Interior(1) 4-1-3 to 16-9-1, Exterior(2) 16-9-1 to 17-4-4, Interior(1) 17-4-4 to 40-11-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 24 and 258 lb uplift at joint 13.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H7A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:39 2021 Page 1

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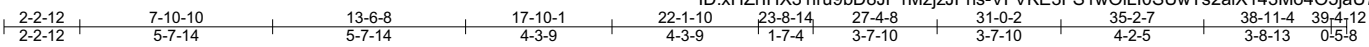

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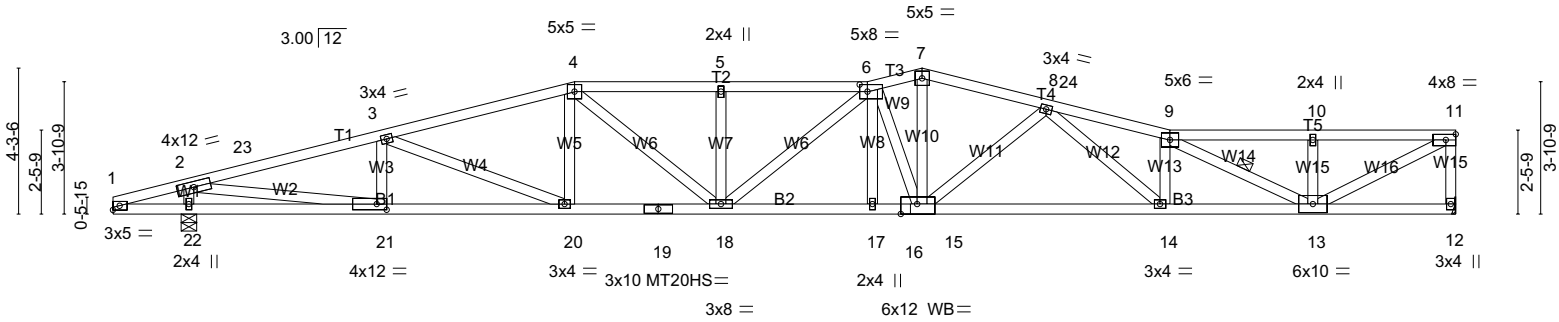

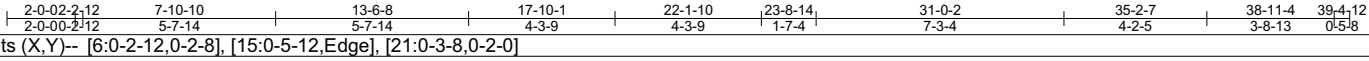

Plate Offsets (X,Y)-- [6:0-2-12,0-2-8], [15:0-5-12,Edge], [21:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.37	17-18	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.75	17-18	>596	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.16	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2,W16: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 3-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=1475/Mechanical, 22=1664/0-5-8 (min. 0-2-10)
Max Horz 22=69(LC 12)
Max Uplift12=-143(LC 9), 22=-255(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-3388/400, 3-23=-3344/412, 3-4=-3386/411, 4-5=-3725/439, 5-6=-3725/439, 6-7=-3471/398, 7-8=-3493/390, 8-24=-4442/473, 9-24=-4490/472, 9-10=-2490/281, 10-11=-2490/281, 11-12=-1427/173
BOT CHORD 20-21=-407/3244, 19-20=-346/3238, 18-19=-346/3238, 17-18=-362/3772, 16-17=-362/3771, 15-16=-362/3771, 14-15=-382/3856, 13-14=-397/4360
WEBS 2-22=-1501/283, 2-21=-383/3101, 3-21=-336/128, 4-18=-89/634, 5-18=-278/115, 6-15=-1000/196, 7-15=-123/1497, 8-15=-666/165, 8-14=-58/668, 9-14=-331/113, 9-13=-2105/189, 10-13=-277/117, 11-13=-280/2786

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-11-4, Interior(1) 3-11-4 to 23-8-14, Exterior(2) 23-8-14 to 27-8-2, Interior(1) 27-8-2 to 39-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 12 and 255 lb uplift at joint 22.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H8	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

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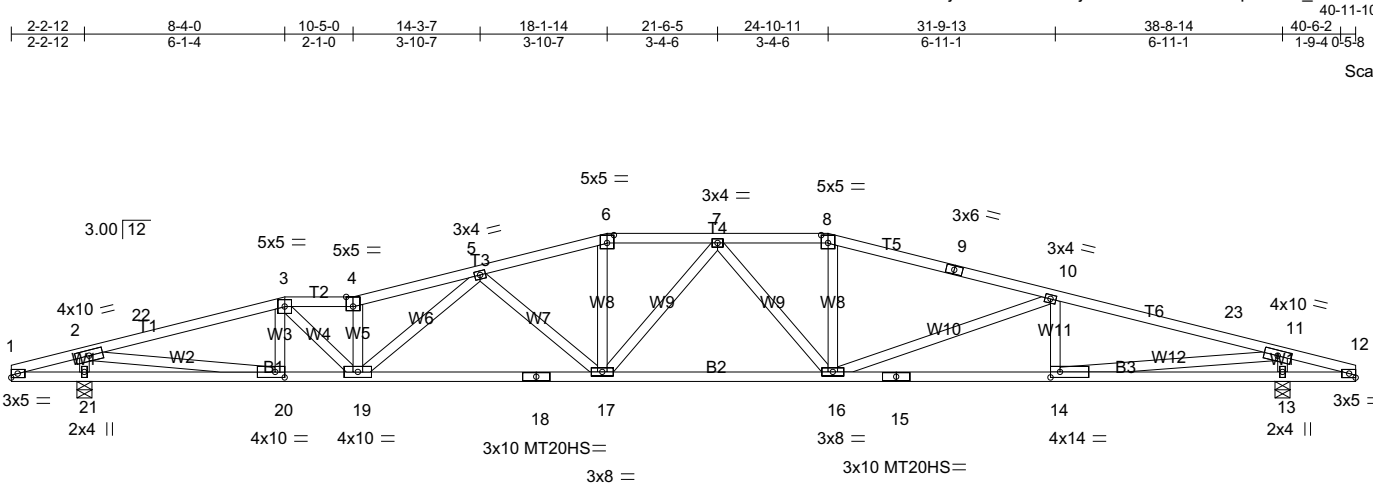
ID:xHZrIHX31iru9bD8JP1MzjzJFns-Red4fkHjZXeQbcArbLVK7?qrvulOG_1OAuzEeoymZ_a



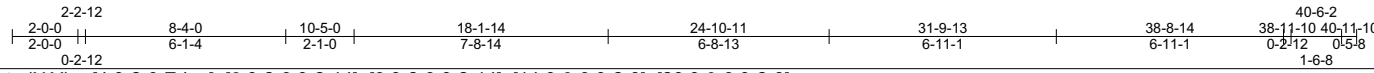


Plate Offsets (X,Y)-- [4:0-2-8,Edge], [6:0-2-8,0-2-14], [8:0-2-8,0-2-14], [14:0-3-8,0-2-0], [20:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.31	17	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.66	17-19	>663	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.12	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2,W12: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 3-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 21=1639/0-5-8 (min. 0-2-9), 13=1639/0-5-8 (min. 0-2-9)
Max Horz 21=-67(LC 17)
Max Uplift 21=-263(LC 8), 13=-250(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-3302/403, 3-22=-3249/419, 3-4=-4040/514, 4-5=-4107/540, 5-6=-3235/411, 6-7=-3088/409, 7-8=-2964/375, 8-9=-3071/366, 9-10=-3126/355, 10-23=-3415/419, 11-23=-3467/401, 11-12=-271/16
BOT CHORD 19-20=-401/3174, 18-19=-438/3571, 17-18=-438/3571, 16-17=-307/3098, 15-16=-339/3313, 14-15=-339/3313, 13-14=-10/272, 12-13=-10/272
WEBS 2-21=-1471/304, 2-20=-359/2929, 3-20=-342/92, 3-19=-122/1240, 4-19=-1116/181, 5-19=-64/545, 5-17=-625/181, 6-17=-18/569, 7-16=-373/114, 8-16=-2/448, 10-16=-434/174, 11-14=-365/3060, 11-13=-1463/296

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 4-1-3, Interior(1) 4-1-3 to 40-11-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 263 lb uplift at joint 21 and 250 lb uplift at joint 13.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H8A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:42 2021 Page 1

ID:xHZrlHX31iru9bD8JP1MzjzJFns-vqBSt4ILKrmHCmk1931ZgDN?7I2n?MTXPYjnBEymZ_Z

1-6-12	8-2-10	14-10-8	18-9-5	22-8-2	27-6-2	32-4-2	35-6-7	38-3-4	38-8-12
1-6-12	6-7-14	6-7-14	3-10-13	3-10-13	4-10-0	4-10-0	3-2-5	2-8-13	0-5-8

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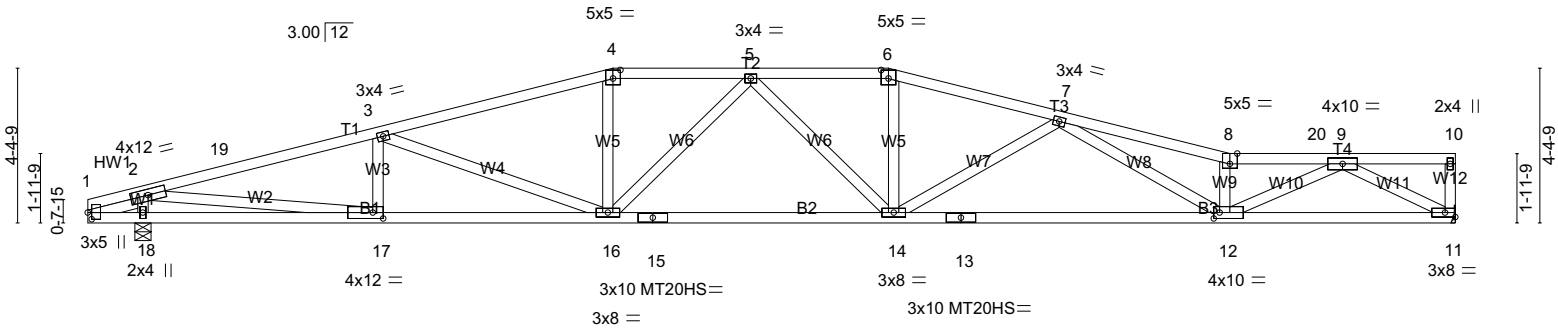

1-6-12	8-2-10	14-10-8	22-8-2	32-4-2	38-3-4	38-8-12
1-4-0 / 0-2-12	6-7-14	6-7-14	7-9-10	9-8-0	5-11-2	0-5-8

Plate Offsets (X,Y)-- [1:0-2-4,0-1-5], [4:0-2-8,0-2-14], [6:0-2-8,0-2-14], [8:0-2-8,Edge], [12:0-2-0,0-2-0], [17:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.36	12-14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.83	12-14	>536	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 153 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2: 2x4 SPF No.2
SLIDER Left 2x4 SPF Stud -x 1-5-12

BRACING-
TOP CHORD Sheathed or 2-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-6 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 11=1478/Mechanical, 18=1608/0-5-8 (min. 0-2-8)
Max Horz 18=70(LC 16)
Max Uplift11=-202(LC 9), 18=-233(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-450/32, 2-19=-3545/423, 3-19=-3493/440, 3-4=-3274/389, 4-5=-3109/397, 5-6=-3321/438, 6-7=-3485/438, 7-8=-4764/591, 8-20=-4720/567, 9-20=-4720/567
BOT CHORD 1-18=-36/457, 17-18=-106/457, 16-17=-420/3389, 15-16=-381/3324, 14-15=-381/3324, 13-14=-556/3993, 12-13=-556/3993, 11-12=-367/2464
WEBS 2-18=-1391/289, 2-17=-332/2950, 3-16=-360/171, 4-16=-3/477, 5-16=-464/133, 6-14=-8/592, 7-14=-770/218, 7-12=-30/729, 8-12=-1355/231, 9-12=-252/2523, 9-11=-2757/404

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-10-8, Interior(1) 3-10-8 to 38-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 11 and 233 lb uplift at joint 18.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H9	ROOF SPECIAL	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:43 2021 Page 1

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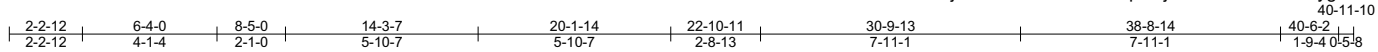

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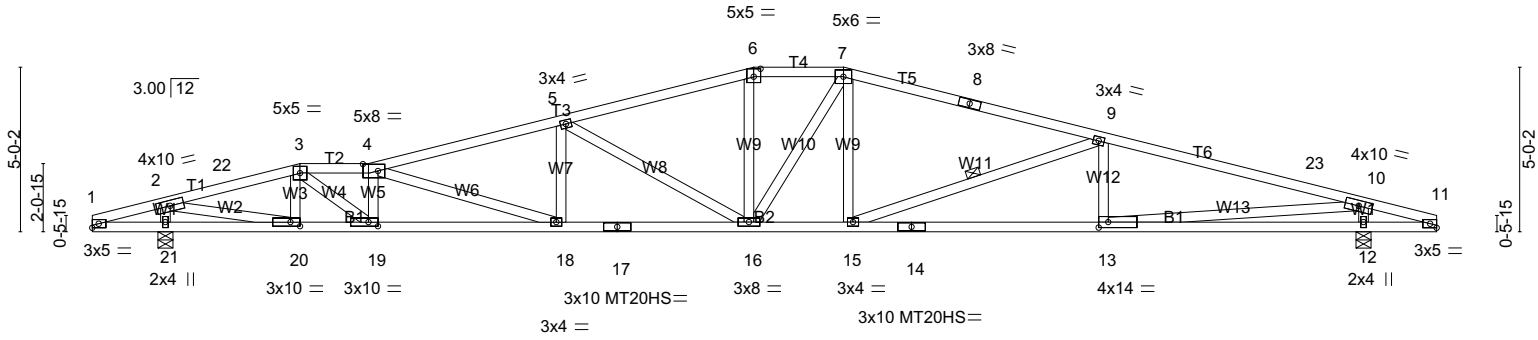

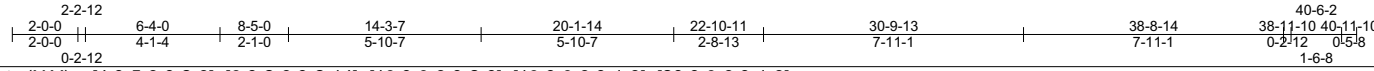

Plate Offsets (X,Y)-- [4:0-5-8,0-2-8], [6:0-2-8,0-2-14], [13:0-3-8,0-2-0], [19:0-3-8,0-1-8], [20:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.31	16-18	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.65	13-15	>671	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W2,W13: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 9-15

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 21=1639/0-5-8 (min. 0-2-9), 12=1639/0-5-8 (min. 0-2-9)
Max Horz 21=-75(LC 13)
Max Uplift 21=-251(LC 8), 12=-238(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-2932/336, 3-22=-2894/343, 3-4=-4191/503, 4-5=-3789/447, 5-6=-2951/338, 6-7=-2800/344, 7-8=-2875/299, 8-9=-2938/288, 9-23=-3478/389, 10-23=-3535/368, 10-11=-359/33
BOT CHORD 19-20=-348/2849, 18-19=-485/4110, 17-18=-398/3650, 16-17=-398/3650, 15-16=-192/2778, 14-15=-303/3374, 13-14=-303/3374, 12-13=-30/364, 11-12=-30/364
WEBS 2-21=-1493/266, 2-20=-336/2800, 3-20=-511/101, 3-19=-194/1717, 4-19=-995/173, 4-18=-518/111, 5-18=0/367, 5-16=-972/199, 6-16=-21/501, 7-15=0/393, 9-15=-712/202, 10-13=-314/3024, 10-12=-1454/298

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 4-1-3, Interior(1) 4-1-3 to 40-11-10 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 251 lb uplift at joint 21 and 238 lb uplift at joint 12.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	H9A	Roof Special	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:44 2021 Page 1

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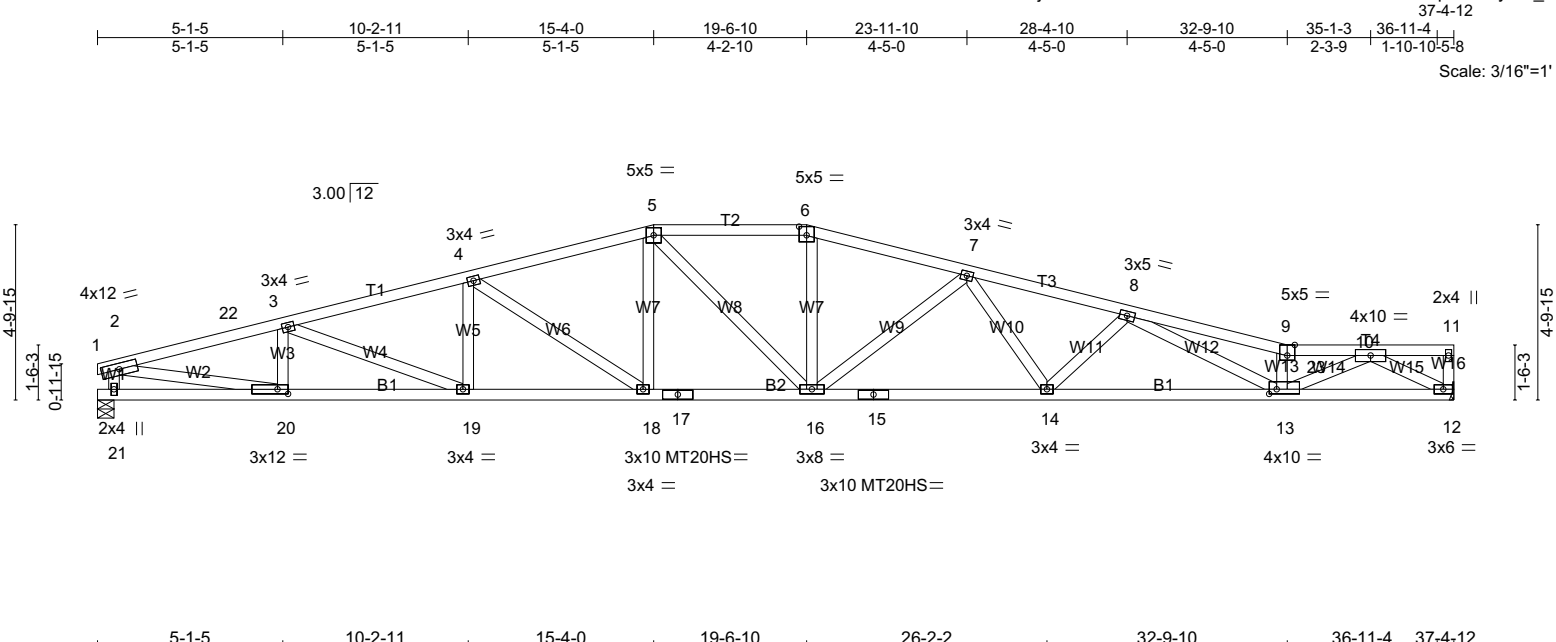

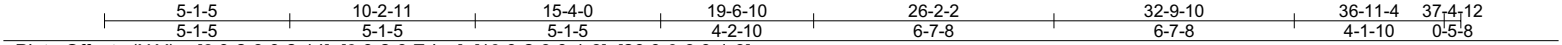

Plate Offsets (X,Y)-- [6:0-2-8,0-2-14], [9:0-2-8,Edge], [13:0-2-8,0-1-8], [20:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.34	14-16	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.71	14-16	>624	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.16	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 153 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud *Except*
W14,W2: 2x4 SPF No.2

BRACING-
TOP CHORD Sheathed or 2-10-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 12=1471/Mechanical, 21=1499/0-5-8 (min. 0-2-6)
Max Horz 21=58(LC 16)
Max Uplift12=-191(LC 9), 21=-190(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-3192/366, 3-22=-3151/374, 3-4=-3430/397, 4-5=-3035/338, 5-6=-3005/383, 6-7=-3148/381, 7-8=-4121/502, 8-9=-4810/589, 9-23=-4808/574, 10-23=-4807/574
BOT CHORD 19-20=-372/3075, 18-19=-346/3293, 17-18=-241/2894, 16-17=-241/2894, 15-16=-420/3658, 14-15=-420/3658, 13-14=-542/4278, 12-13=-332/2396
WEBS 3-20=-444/125, 3-19=-47/300, 4-18=-520/145, 5-18=-26/374, 5-16=-90/336, 6-16=0/506, 7-16=-821/185, 7-14=-36/574, 8-14=-462/153, 8-13=-38/452, 9-13=-1338/220, 10-13=-291/2697, 10-12=-2682/367, 2-21=-1453/210, 2-20=-337/3121

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-8-14, Interior(1) 3-8-14 to 37-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 12 and 190 lb uplift at joint 21.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	HM1	Hip Girder	1	2	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:46 2021 Page 1
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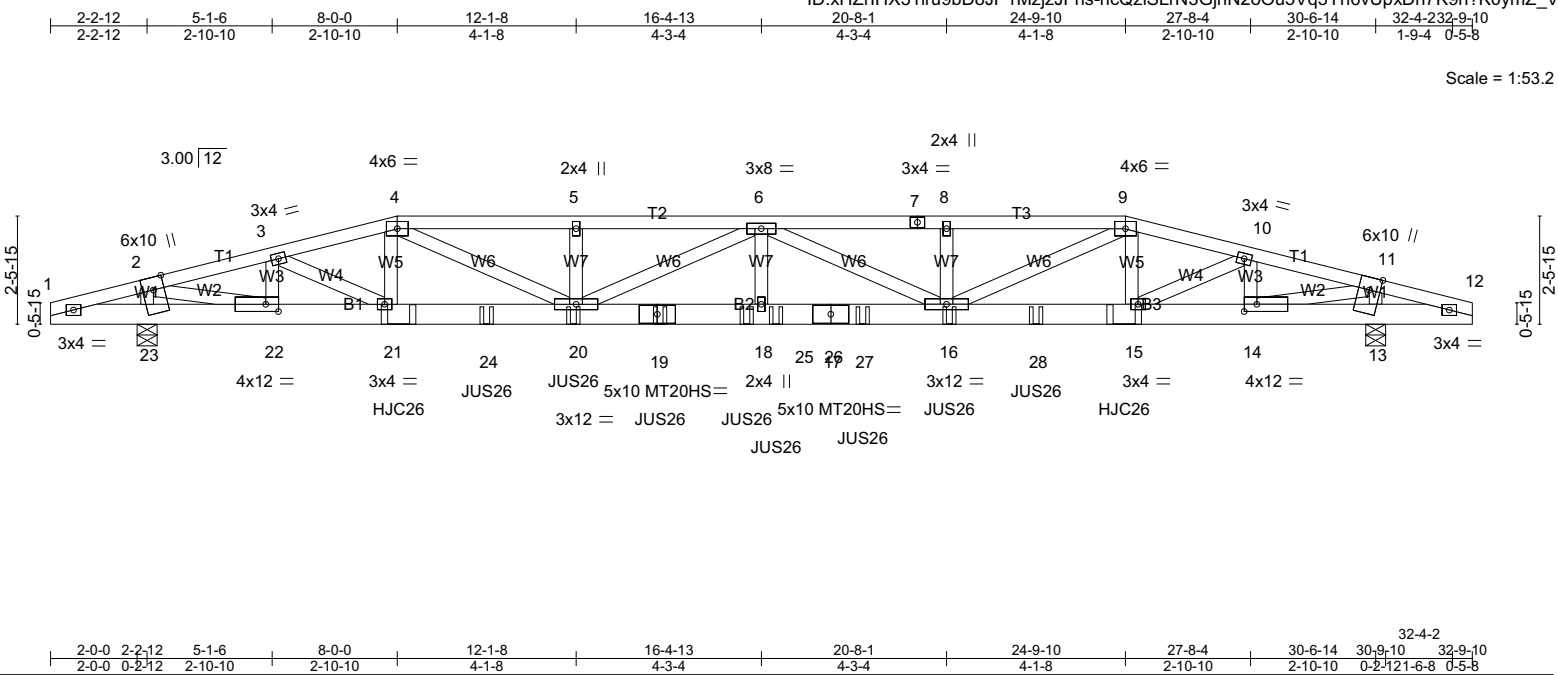

Plate Offsets (X,Y)-- [14:0-3-8,0-2-0], [22:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.28	18	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.54	18	>626	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.08	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 284 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 5-2-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 23=2683/0-5-8 (min. 0-2-2), 13=2682/0-5-8 (min. 0-2-2)
Max Horz 23=-34(LC 32)
Max Uplift 23=-612(LC 4), 13=-612(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-624/158, 2-3=-4643/1013, 3-4=-6317/1416, 4-5=-8165/1797, 5-6=-8165/1797, 6-7=-8162/1796, 7-8=-8162/1796, 8-9=-8162/1796, 9-10=-6315/1416, 10-11=-4642/1012, 11-12=-624/157
BOT CHORD 1-23=-143/605, 22-23=-142/605, 21-22=-965/4468, 21-24=-1332/6105, 20-24=-1332/6105, 19-20=-1933/9095, 19-25=-1933/9095, 18-25=-1933/9095, 18-26=-1933/9095, 17-26=-1933/9095, 17-27=-1933/9095, 16-27=-1933/9095, 16-28=-1304/6103, 15-28=-1304/6103, 14-15=-938/4466, 13-14=-141/604, 12-13=-141/604
WEBS 2-23=-2130/510, 2-22=-880/4000, 3-22=-1324/337, 3-21=-420/1877, 4-20=-494/2367, 6-20=-1079/272, 6-18=-89/649, 6-16=-1083/272, 9-16=-494/2365, 10-15=-419/1876, 10-14=-1324/337, 11-14=-879/3999, 11-13=-2129/509

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-7-0 oc, Except member 22-2 2x4 - 1 row at 0-9-0 oc, member 3-22 2x4 - 1 row at 0-9-0 oc, member 21-3 2x4 - 1 row at 0-9-0 oc, member 21-4 2x4 - 1 row at 0-9-0 oc, member 20-4 2x4 - 1 row at 0-9-0 oc, member 5-20 2x4 - 1 row at 0-9-0 oc, member 20-6 2x4 - 1 row at 0-9-0 oc, member 6-18 2x4 - 1 row at 0-9-0 oc, member 16-6 2x4 - 1 row at 0-9-0 oc, member 8-16 2x4 - 1 row at 0-9-0 oc, member 16-9 2x4 - 1 row at 0-9-0 oc, member 15-9 2x4 - 1 row at 0-9-0 oc, member 15-10 2x4 - 1 row at 0-9-0 oc, member 10-14 2x4 - 1 row at 0-9-0 oc, member 14-11 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 612 lb uplift at joint 23 and 612 lb uplift at joint 13.
10) 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.

Continued on page 2

NOTES-

11) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 16-8-14 oc max. starting at 8-0-6 from the left end to 24-9-4 to connect truss(es) FJ8 (1 ply 2x4 SPF), CJ8 (1 ply 2x4 SPF), FJ8 (1 ply 2x4 SPF), CJ8 (1 ply 2x4 SPF) to back face of bottom chord.
12) 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 10-0-12 from the left end to 22-8-14 to connect truss(es) FJ8 (1 ply 2x4 SPF) to back face of bottom chord.
13) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-9=-60, 9-12=-60, 1-12=-20
   Concentrated Loads (lb)
      Vert: 19=-175(B) 21=-671(B) 20=-175(B) 16=-175(B) 15=-671(B) 24=-175(B) 25=-175(B) 26=-175(B) 27=-175(B) 28=-175(B)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	HM2	Hip Girder	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:47 2021 Page 1
ID:xHZrIHX31iru9bD8JP1MzjzJFns-Go_LwoMT8NOaJXd?ycckMG4zgJt_ghtGZpQYsSymZ_U

2-2-12	5-1-6	8-0-0	9-6-0	12-4-10	15-3-4	17-0-8	17-6-0
2-2-12	2-10-10	2-10-10	1-6-0	2-10-10	2-10-10	1-9-4	0-5-8

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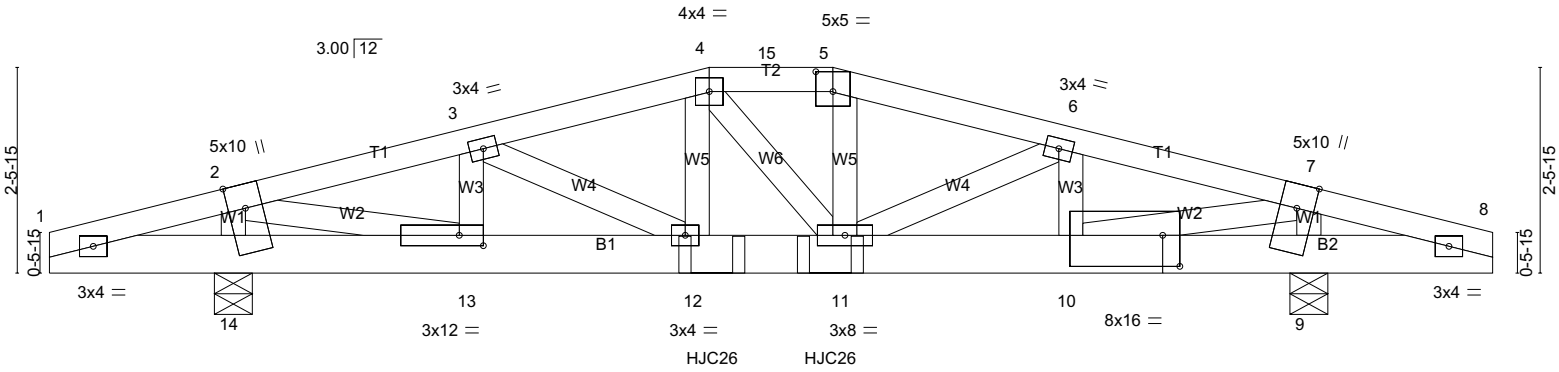

2-0-0	2-2-12	5-1-6	8-0-0	9-6-0	12-4-10	15-3-4	15-6-0	17-0-8	17-6-0
2-0-0	0-2-12	2-10-10	2-10-10	1-6-0	2-10-10	2-10-10	0-2-12	1-6-8	0-5-8

Plate Offsets (X,Y)-- [5:0-2-8,0-2-14], [10:0-2-8,0-4-8], [13:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.06	12	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.11	12	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 74 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

BRACING-
TOP CHORD Sheathed or 4-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 14=1371/0-5-8 (min. 0-2-2), 9=1371/0-5-8 (min. 0-2-2)
Max Horz 14=33(LC 12)
Max Uplift14=-335(LC 4), 9=-335(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2056/475, 3-4=-2586/632, 4-15=-2468/617, 5-15=-2468/617, 5-6=-2595/634, 6-7=-2054/475
BOT CHORD 12-13=-451/1967, 11-12=-564/2460, 10-11=-418/1965
WEBS 2-14=-1078/287, 2-13=-426/1849, 3-13=-539/176, 3-12=-172/630, 4-12=-121/497, 5-11=-126/510, 6-11=-176/644, 6-10=-547/177, 7-10=-424/1845, 7-9=-1076/286

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 335 lb uplift at joint 14 and 335 lb uplift at joint 9.
7) 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.
8) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 1-5-4 oc max. starting at 8-0-6 from the left end to 9-5-10 to connect truss(es) FJ8 (1 ply 2x4 SPF), CJ8 (1 ply 2x4 SPF), FJ8 (1 ply 2x4 SPF), CJ8 (1 ply 2x4 SPF) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-60, 5-8=-60, 1-8=-20
Concentrated Loads (lb)
Vert: 12=-671(F) 11=-671(F)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	HM3	Hip Girder	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:48 2021 Page 1
ID:xHZrIHX31iru9bD8JP1MzjzJFns-k_Yk78M6vhWRwhCBVJ8zvUd5tiEcPDjPnTA5OuymZ_T

2-1-12	6-0-0	6-11-15	11-0-0	11-5-8
2-1-12	3-10-4	0-11-15	4-0-0	0-5-8

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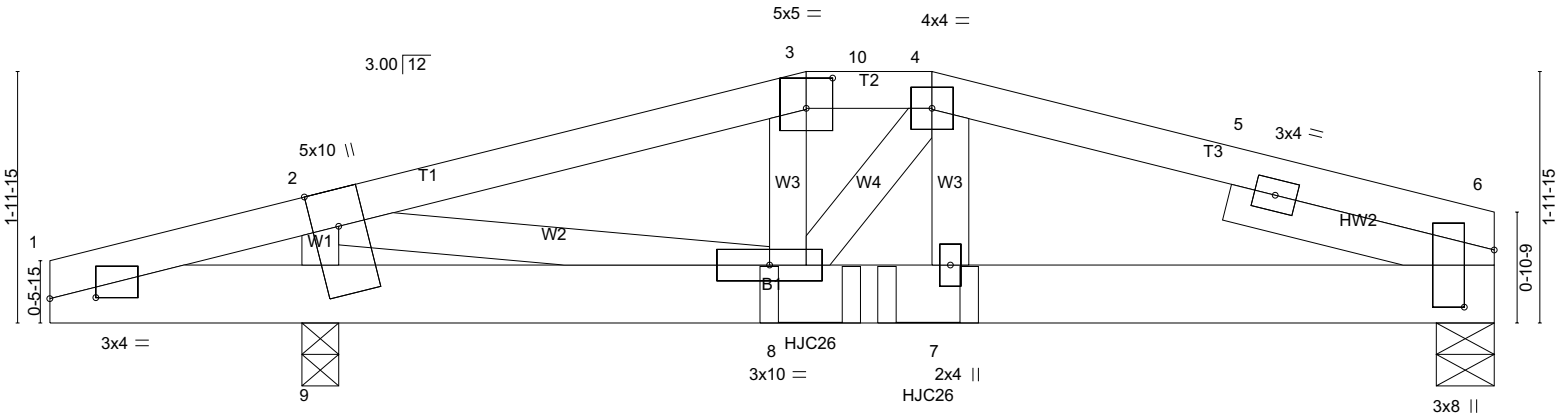

2-0-0	2-1-12	6-0-0	6-11-15	11-0-0	11-5-8
2-0-0	0-1-12	3-10-4	0-11-15	4-0-0	0-5-8

Plate Offsets (X,Y)-- [1:0-4-6,0-0-2], [3:0-2-8,0-2-14], [6:0-5-7,0-2-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.03	7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.05	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 46 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud
SLIDER Right 2x4 SPF Stud -x 2-2-2

BRACING-
TOP CHORD Sheathed or 5-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=673/0-5-8 (min. 0-1-8), 9=929/0-3-8 (min. 0-1-8)
Max Horz 9=-26(LC 13)
Max Uplift 6=-219(LC 5), 9=-311(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1298/499, 3-10=-1215/482, 4-10=-1215/482, 4-5=-1349/516, 5-6=-1402/510
BOT CHORD 7-8=-433/1240, 6-7=-445/1274
WEBS 2-9=-704/273, 2-8=-392/1106, 4-7=-131/382

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 6 and 311 lb uplift at joint 9.
7) 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.
8) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 0-11-3 oc max. starting at 6-0-6 from the left end to 6-11-9 to connect truss(es) FJ6 (1 ply 2x4 SPF), CJ6 (1 ply 2x4 SPF), FJ6 (1 ply 2x4 SPF), CJ6 (1 ply 2x4 SPF) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 1-6=-20
Concentrated Loads (lb)
Vert: 8=-343(F) 7=-343(F)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	HM4	Hip Girder	1	2	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:51 2021 Page 1
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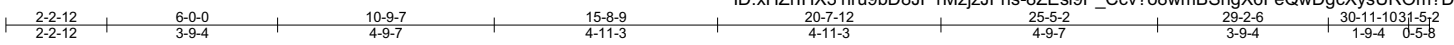

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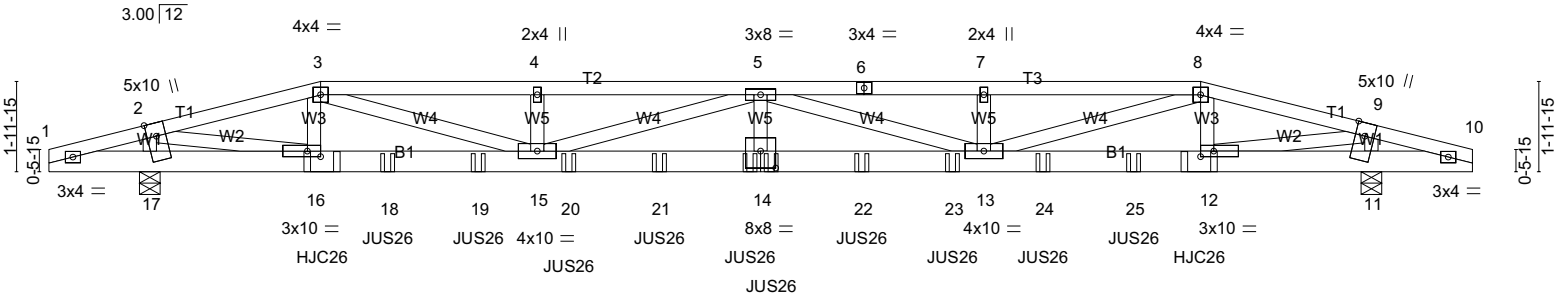

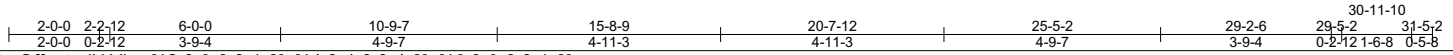

Plate Offsets (X,Y)-- [12:0-3-8,0-1-8], [14:0-4-0,0-4-8], [16:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.28	14	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.50	14	>641	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 260 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud

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

REACTIONS. (lb/size) 17=1817/0-5-8 (min. 0-1-8), 11=1817/0-5-8 (min. 0-1-8)
Max Horz 17=-26(LC 13)
Max Uplift17=-540(LC 4), 11=-540(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-381/144, 2-3=-3441/1021, 3-4=-5995/1708, 4-5=-5995/1708, 5-6=-5995/1708, 6-7=-5995/1708, 7-8=-5995/1708, 8-9=-3441/1021, 9-10=-381/143
BOT CHORD 1-17=-130/368, 16-17=-123/368, 16-18=-970/3334, 18-19=-970/3334, 15-19=-970/3334, 15-20=-1962/7082, 20-21=-1962/7082, 14-21=-1962/7082, 14-22=-1962/7082, 22-23=-1962/7082, 13-23=-1962/7082, 13-24=-956/3334, 24-25=-956/3334, 12-25=-956/3334, 11-12=-129/368, 10-11=-129/368
WEBS 2-17=-1532/485, 2-16=-886/3021, 3-16=-307/119, 3-15=-744/2831, 4-15=-290/134, 5-15=-1164/358, 5-14=-72/409, 5-13=-1164/357, 7-13=-290/134, 8-13=-745/2831, 8-12=-307/119, 9-12=-885/3021, 9-11=-1532/485

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-7-0 oc, Except member 16-2 2x4 - 1 row at 0-9-0 oc, member 16-3 2x4 - 1 row at 0-9-0 oc, member 15-3 2x4 - 1 row at 0-9-0 oc, member 4-15 2x4 - 1 row at 0-9-0 oc, member 15-5 2x4 - 1 row at 0-9-0 oc, member 5-14 2x4 - 1 row at 0-9-0 oc, member 13-5 2x4 - 1 row at 0-9-0 oc, member 7-13 2x4 - 1 row at 0-9-0 oc, member 13-8 2x4 - 1 row at 0-9-0 oc, member 12-8 2x4 - 1 row at 0-9-0 oc, member 12-9 2x4 - 1 row at 0-9-0 oc.
2) 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.
3) Unbalanced roof live loads have been considered for this design.
4) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 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 540 lb uplift at joint 17 and 540 lb uplift at joint 11.
9) 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.
10) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 19-4-6 oc max. starting at 6-0-6 from the left end to 25-4-12 to connect truss(es) FJ6 (1 ply 2x4 SPF), CJ5 (1 ply 2x4 SPF), FJ6 (1 ply 2x4 SPF), CJ5 (1 ply 2x4 SPF) to front face of bottom chord.

Continued on page 2

NOTES-

11) 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 7-5-12 from the left end to 23-11-6 to connect truss(es) FJ6 (1 ply 2x4 SPF) to front face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-8=-60, 8-10=-60, 1-10=-20
   Concentrated Loads (lb)
   Vert: 16=-145(F) 14=-166(F) 12=-145(F) 18=-83(F) 19=-83(F) 20=-83(F) 21=-83(F) 22=-83(F) 23=-83(F) 24=-83(F) 25=-83(F)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	J1	Jack-Closed	20	1	Job Reference (optional)

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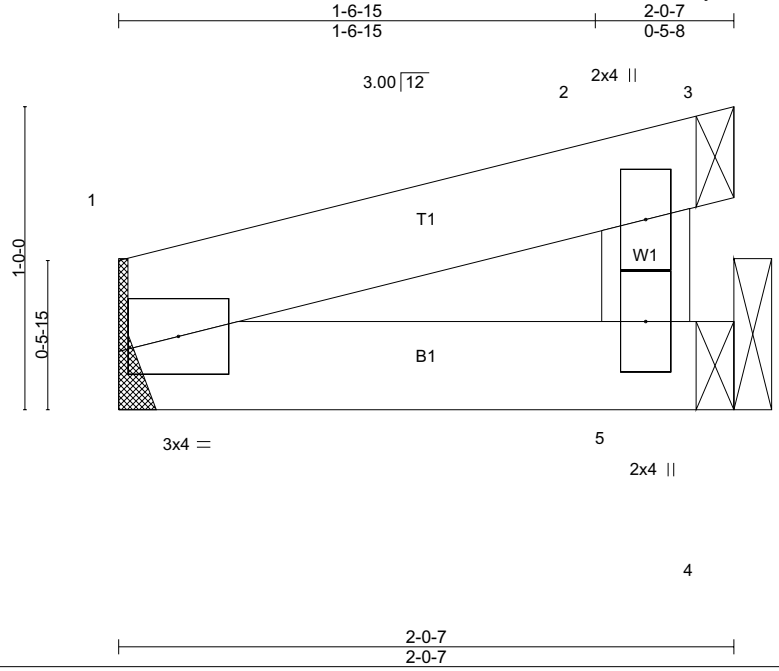

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	-0.00	1	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	1	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	1	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 5 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 2-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=66/Mechanical, 5=80/Mechanical
Max Horz 5=26(LC 9)
Max Uplift1=-7(LC 8), 5=-16(LC 12)

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

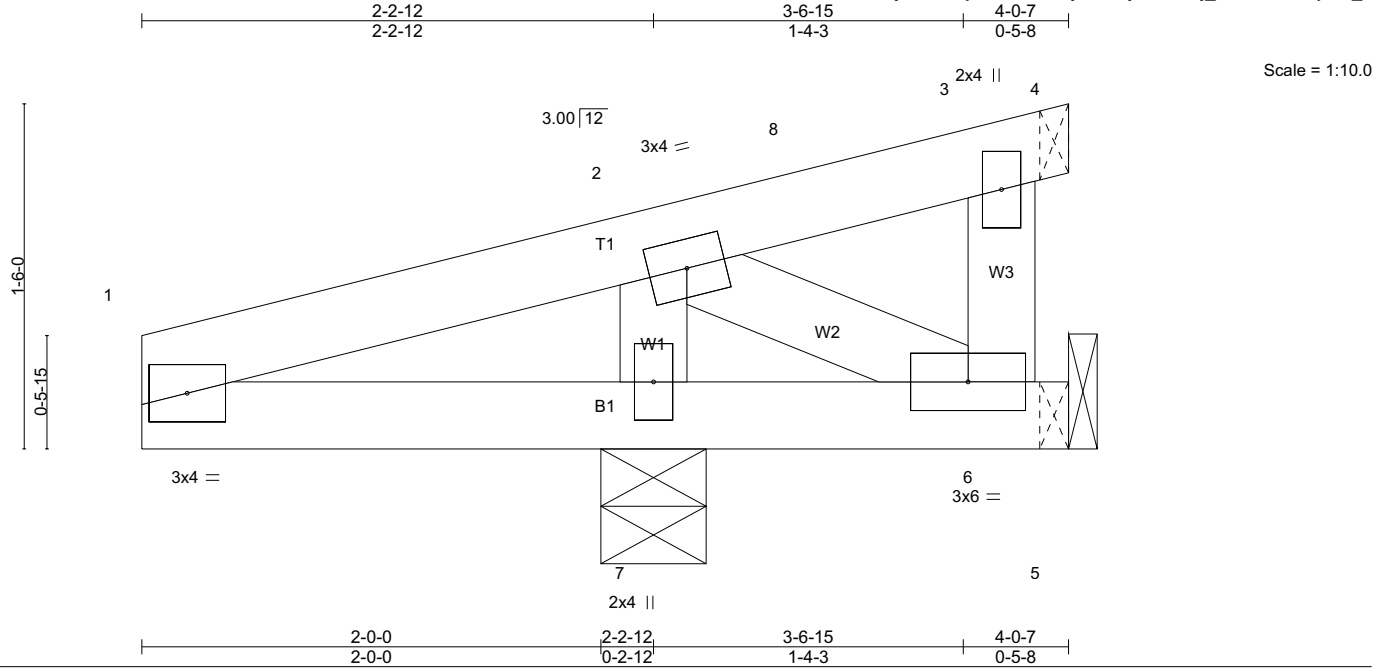
NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1 and 16 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	J2	Jack-Closed	18	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:53 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-4yLdArQEkD9j1S49ltj8cXK0Oj_14ZF9xlts46ymZ_O



LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.08	Vert(LL)	-0.00	7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL 1.25	BC	0.06	Vert(CT)	0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.10	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-P							Weight: 12 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 4-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=-58/Mechanical, 7=369/0-5-8 (min. 0-1-8)
Max Horz 7=45(LC 9)
Max Uplift 6=-58(LC 1), 7=-117(LC 8)
Max Grav 6=28(LC 8), 7=369(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-306/265

NOTES-
1) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 4-0-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 58 lb uplift at joint 6 and 117 lb uplift at joint 7.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	J3	Jack-Closed	10	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:54 2021 Page 1
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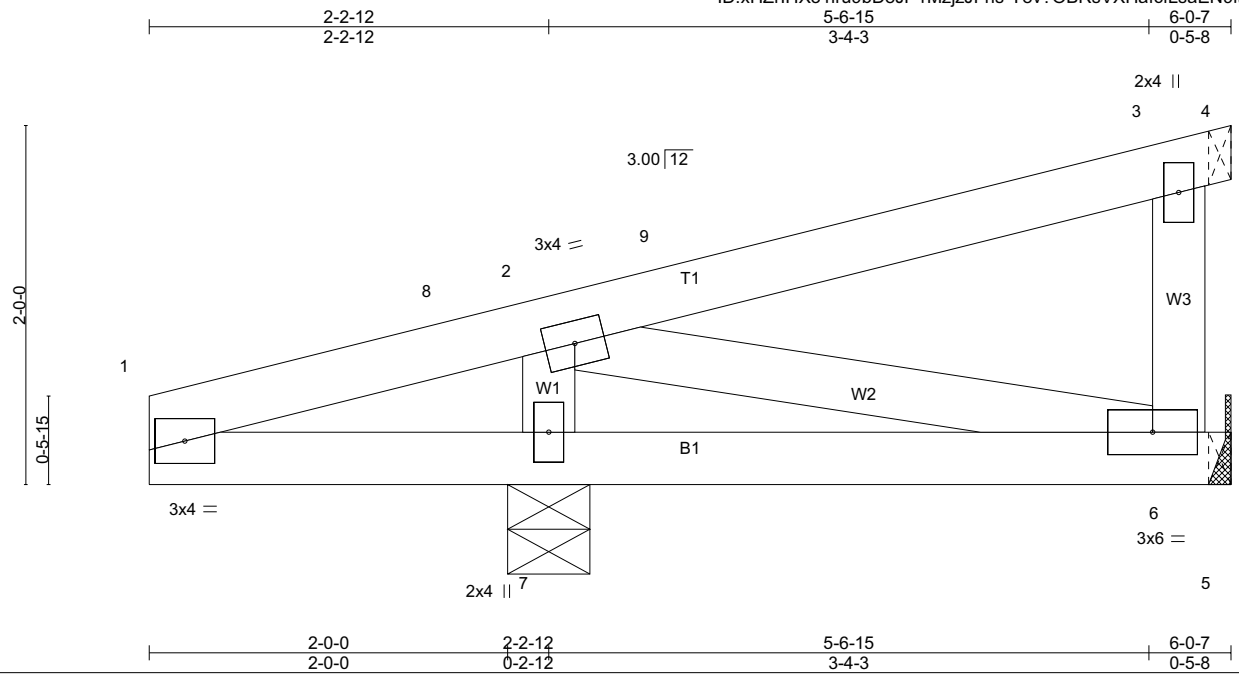

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	-0.00	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 20 lb	FT = 20%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=96/Mechanical, 7=375/0-5-8 (min. 0-1-8)
Max Horz 7=64(LC 9)
Max Uplift 6=-24(LC 12), 7=-103(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-294/233

NOTES-
1) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-0-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 6 and 103 lb uplift at joint 7.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L01	Half Hip Supported	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:54 2021 Page 1

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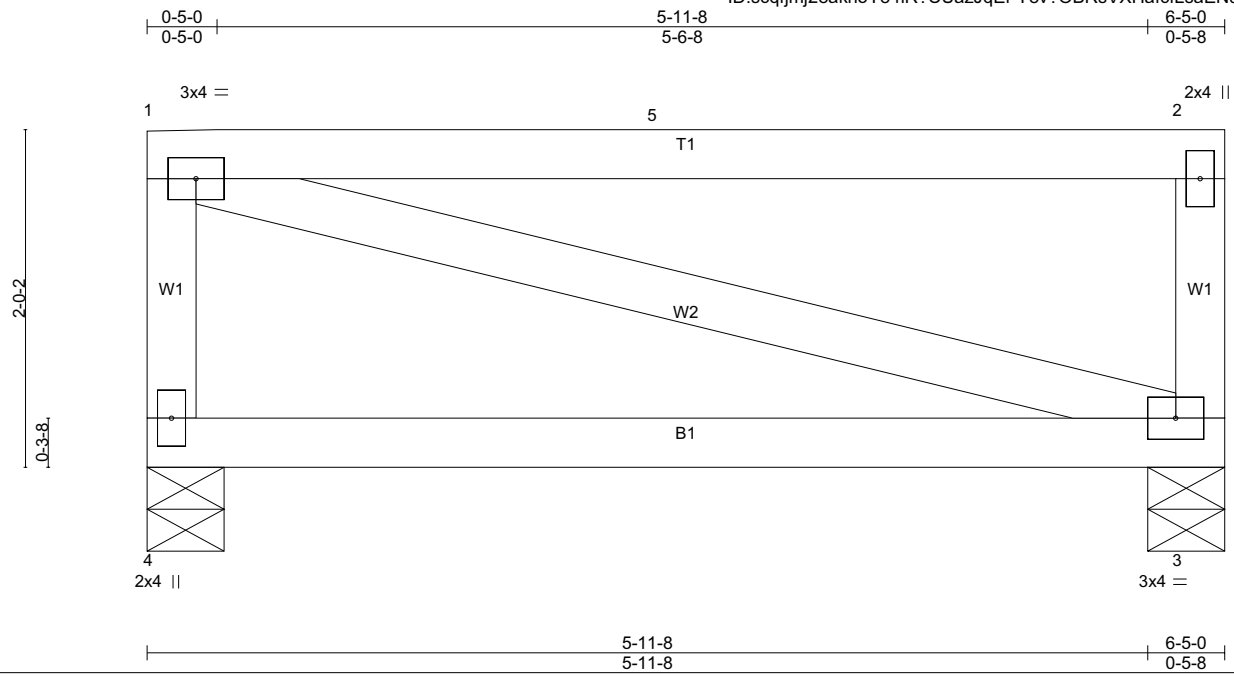

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.08	3-4	>933	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.16	3-4	>466	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 6-5-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=245/0-5-8 (min. 0-1-8), 3=245/0-5-8 (min. 0-1-8)
Max Horz 4=-59(LC 8)
Max Uplift 4=-47(LC 8), 3=-47(LC 9)

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

NOTES-
1) 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 and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 6-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 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 47 lb uplift at joint 4 and 47 lb uplift at joint 3.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L02	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:55 2021 Page 1
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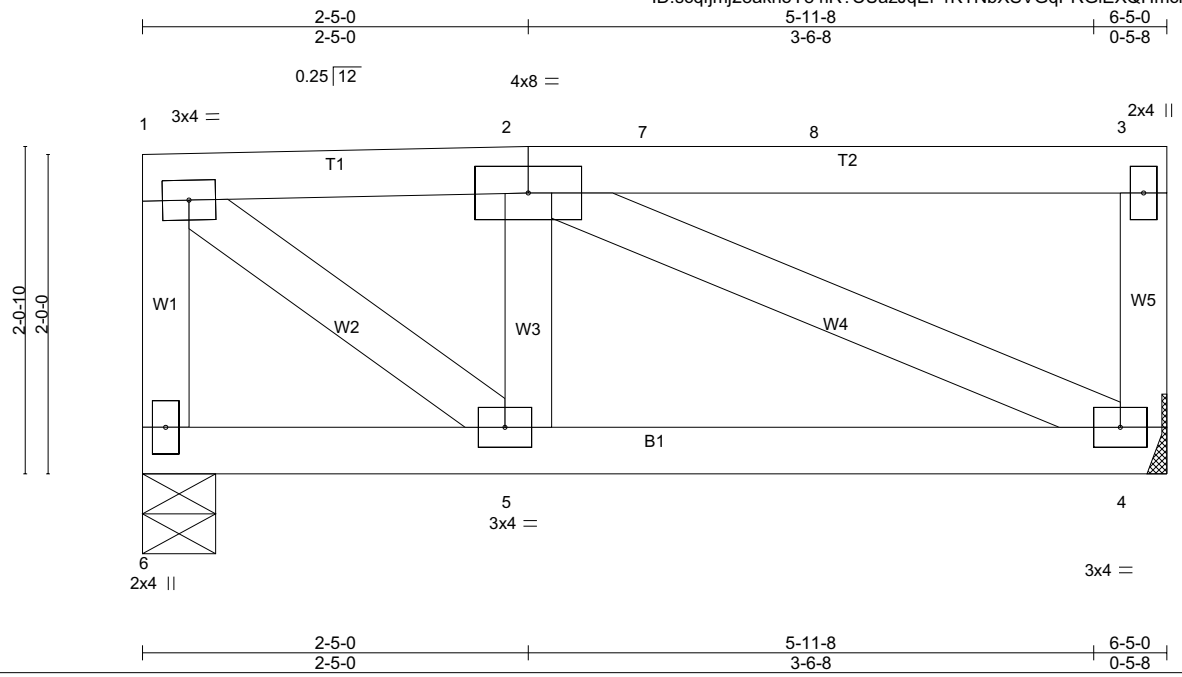

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	4-5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=245/0-5-8 (min. 0-1-8), 4=245/Mechanical
Max Horz 6=61(LC 9)
Max Uplift 6=-47(LC 8), 4=-48(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 1-5=-67/264

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 2-5-0, Interior(1) 2-5-0 to 6-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 6 and 48 lb uplift at joint 4.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L03	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:56 2021 Page 1
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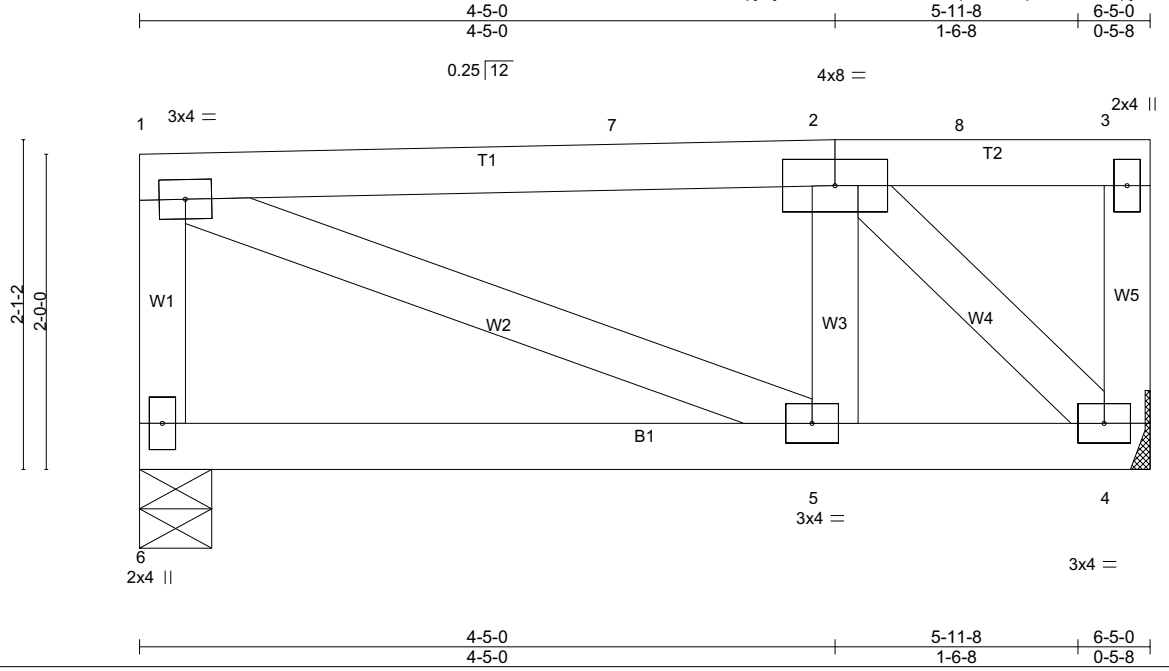

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.01	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.02	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=245/0-5-8 (min. 0-1-8), 4=245/Mechanical
Max Horz 6=63(LC 9)
Max Uplift 6=-46(LC 8), 4=-48(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-266/57

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 6 and 48 lb uplift at joint 4.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L04	Jack-Closed	4	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:57 2021 Page 1
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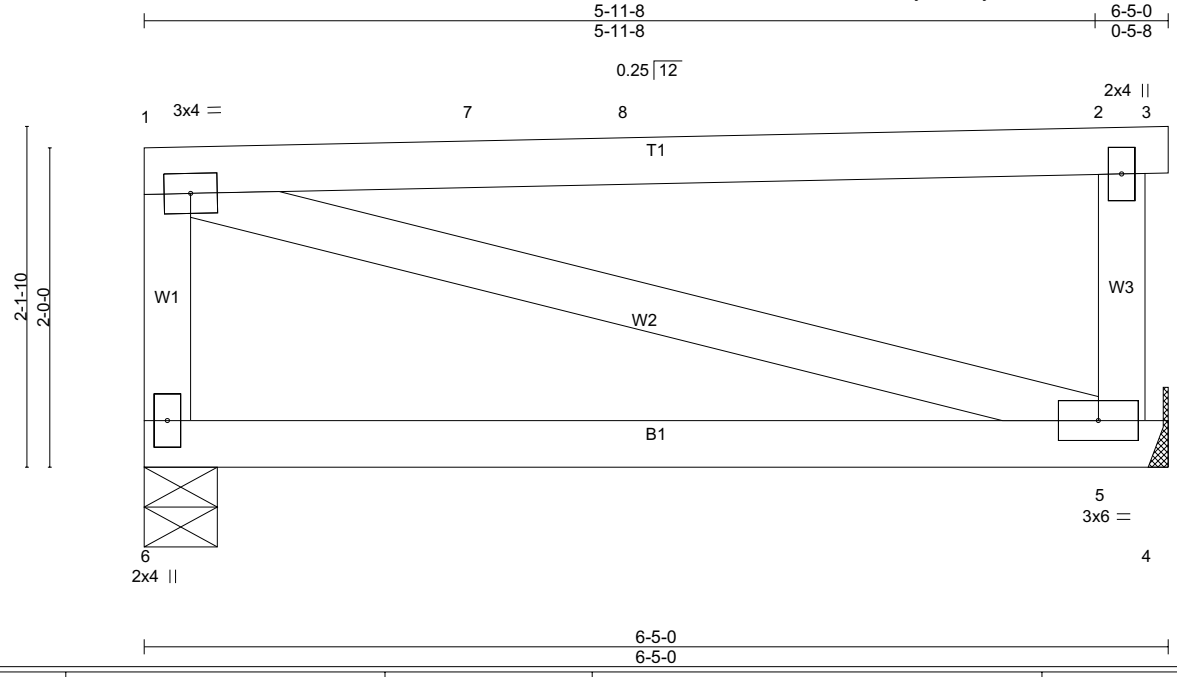

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.07	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.14	5-6	>504	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=239/0-5-8 (min. 0-1-8), 5=251/Mechanical
Max Horz 6=63(LC 9)
Max Uplift 6=-45(LC 8), 5=-32(LC 8)

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

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-5-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 6 and 32 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L05	Jack-Closed	5	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:58 2021 Page 1
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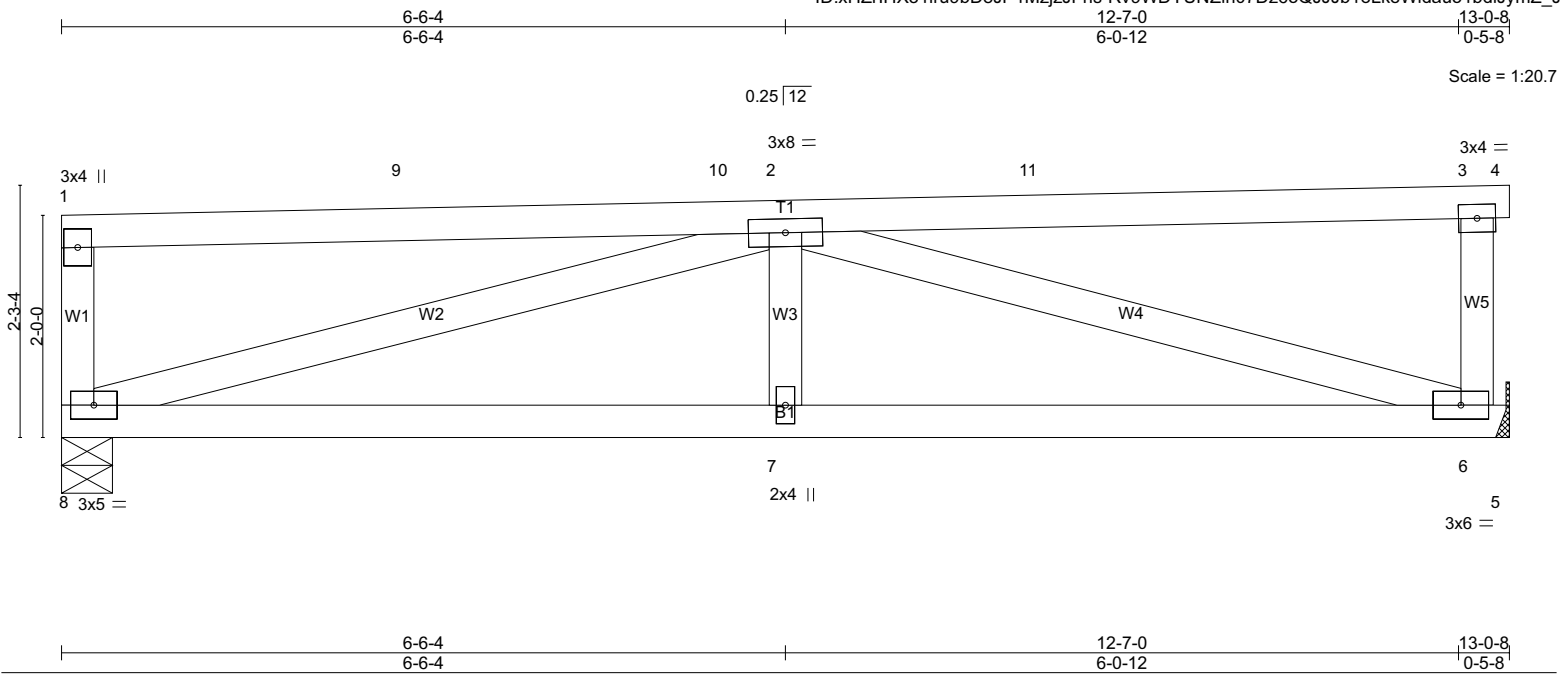

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.04	7-8	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.10	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=504/0-5-8 (min. 0-1-8), 6=516/Mechanical
Max Horz 8=68(LC 9)
Max Uplift 8=-83(LC 8), 6=-79(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 7-8=-178/1003, 6-7=-178/1003
WEBS 2-8=-958/165, 2-7=0/273, 2-6=-946/143

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 8 and 79 lb uplift at joint 6.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L06	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:58 2021 Page 1

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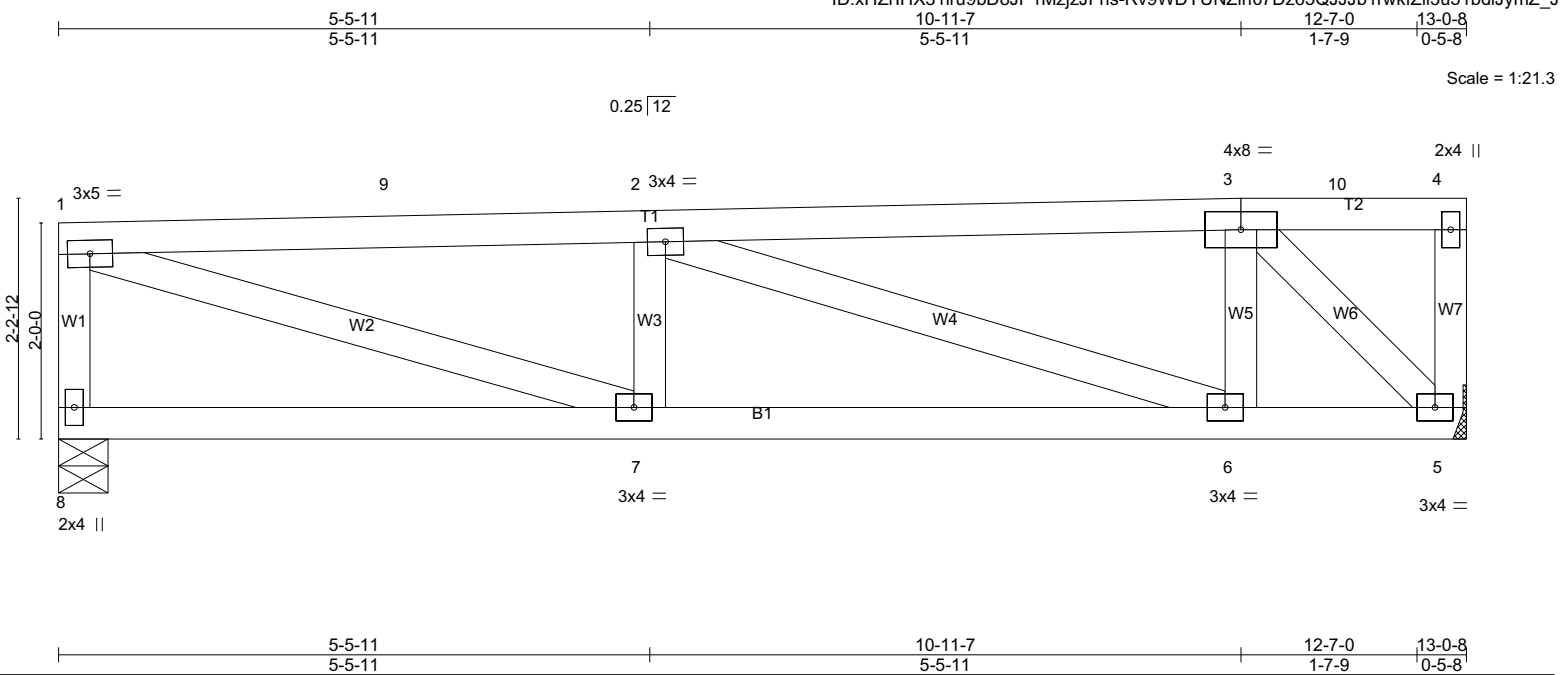

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.03	7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.06	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 52 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=510/0-5-8 (min. 0-1-8), 5=510/Mechanical
Max Horz 8=70(LC 9)
Max Uplift 8=-84(LC 8), 5=-86(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-456/112, 1-9=-978/156, 2-9=-974/157, 2-3=-490/85
BOT CHORD 6-7=-192/975, 5-6=-91/486
WEBS 1-7=-165/964, 2-6=-515/106, 3-6=0/300, 3-5=-681/106

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 8 and 86 lb uplift at joint 5.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L07	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:40:59 2021 Page 1
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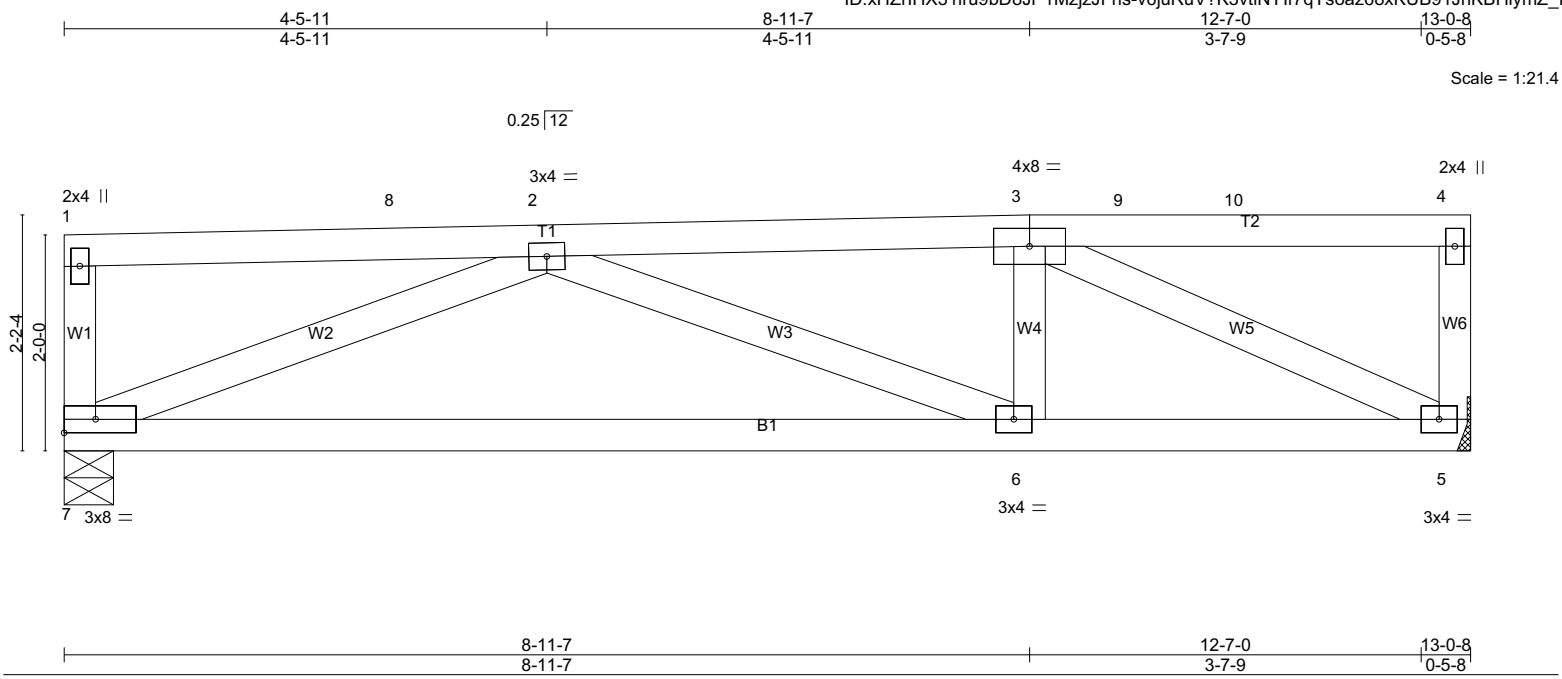

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.15	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.31	6-7	>489	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=510/0-5-8 (min. 0-1-8), 5=510/Mechanical
Max Horz 7=68(LC 9)
Max Uplift 7=-84(LC 8), 5=-86(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-816/96
BOT CHORD 6-7=-224/808, 5-6=-111/813
WEBS 2-7=-805/228, 3-6=0/261, 3-5=-877/95

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 7 and 86 lb uplift at joint 5.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L08	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:00 2021 Page 1

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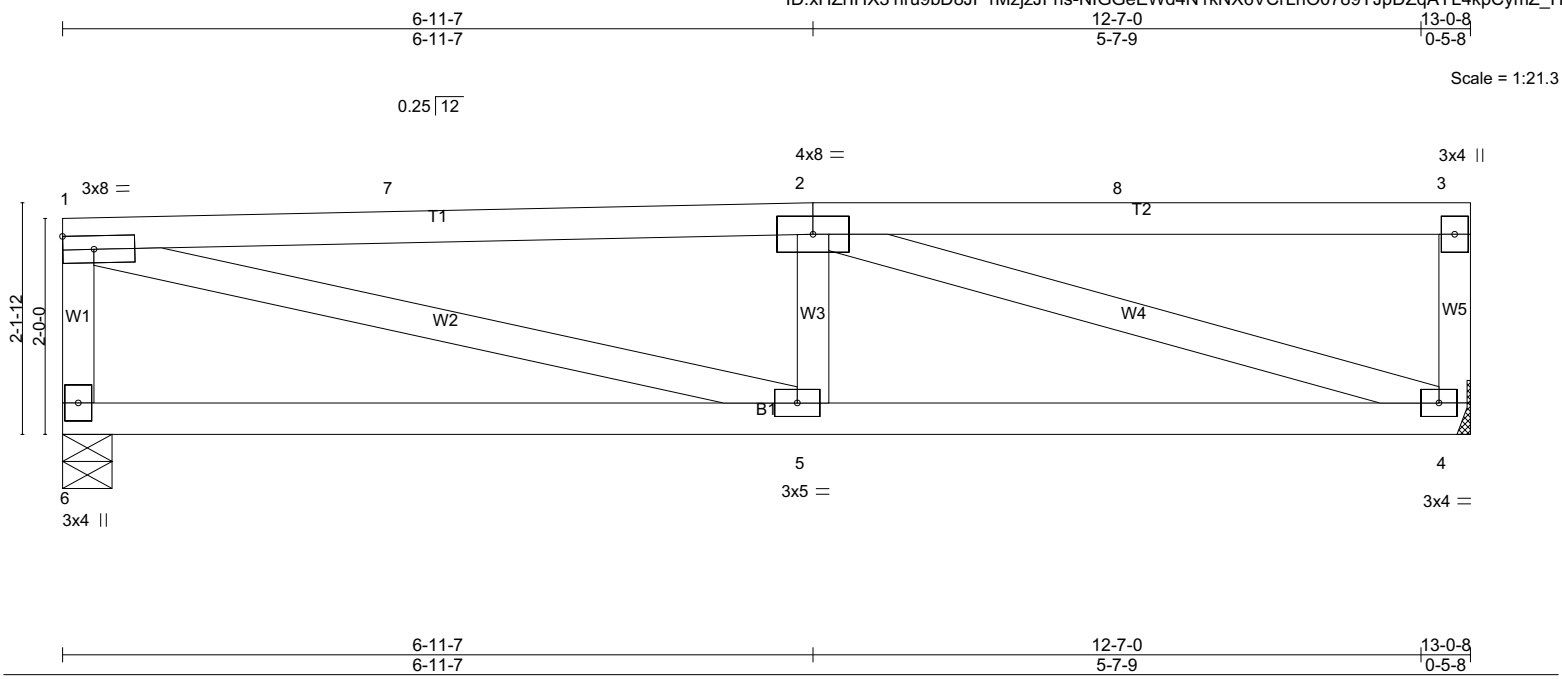

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.06	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.13	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 49 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=510/0-5-8 (min. 0-1-8), 4=510/Mechanical
Max Horz 6=64(LC 9)
Max Uplift 6=-84(LC 8), 4=-77(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-442/120, 1-7=-977/141, 2-7=-972/142
BOT CHORD 4-5=-143/972
WEBS 1-5=-133/891, 2-4=-945/117

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 6 and 77 lb uplift at joint 4.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L09	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:01 2021 Page 1

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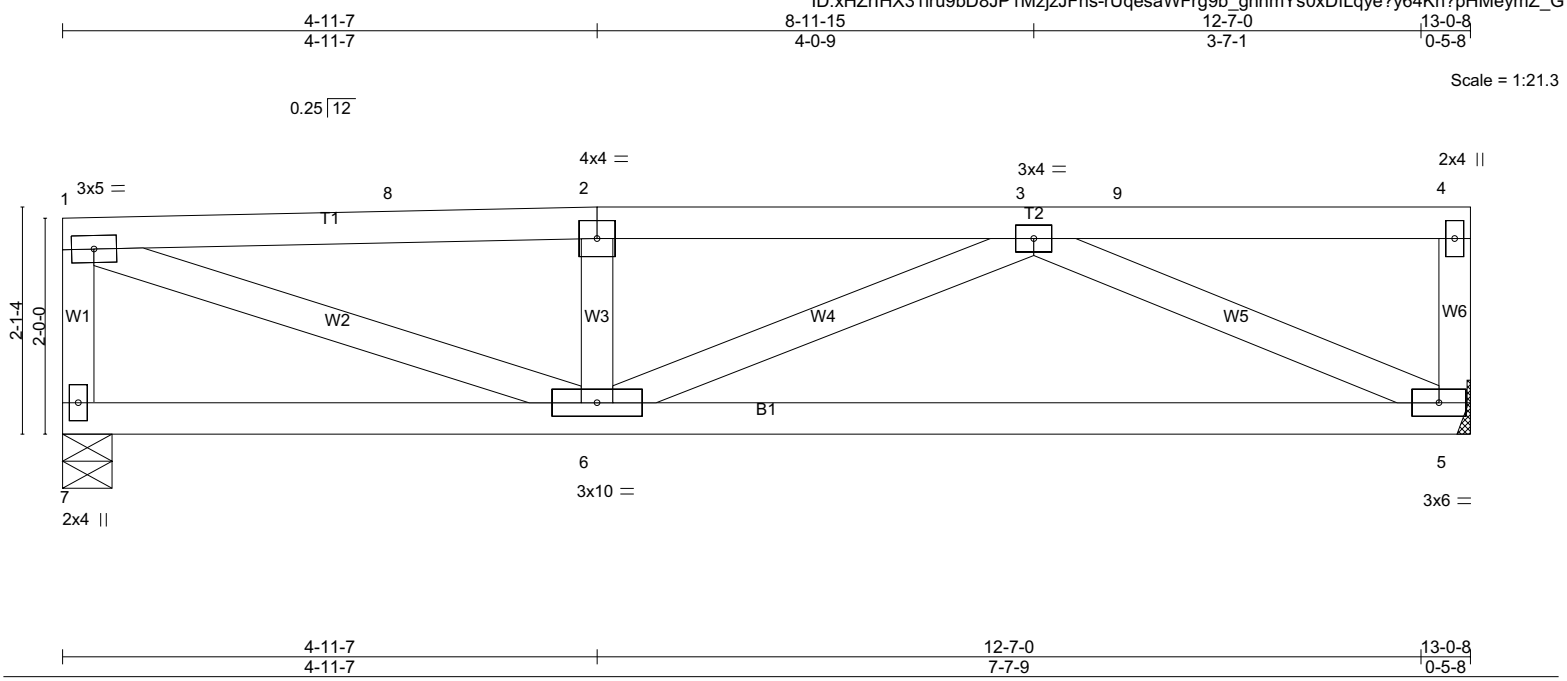

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.11	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.22	5-6	>696	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=510/0-5-8 (min. 0-1-8), 5=510/Mechanical
Max Horz 7=64(LC 9)
Max Uplift 7=-84(LC 8), 5=-85(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-475/101, 1-8=-920/116, 2-8=-916/116, 2-3=-916/117
BOT CHORD 5-6=-191/757
WEBS 1-6=-112/920, 3-6=0/278, 3-5=-780/206

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 7 and 85 lb uplift at joint 5.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L10	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:02 2021 Page 1

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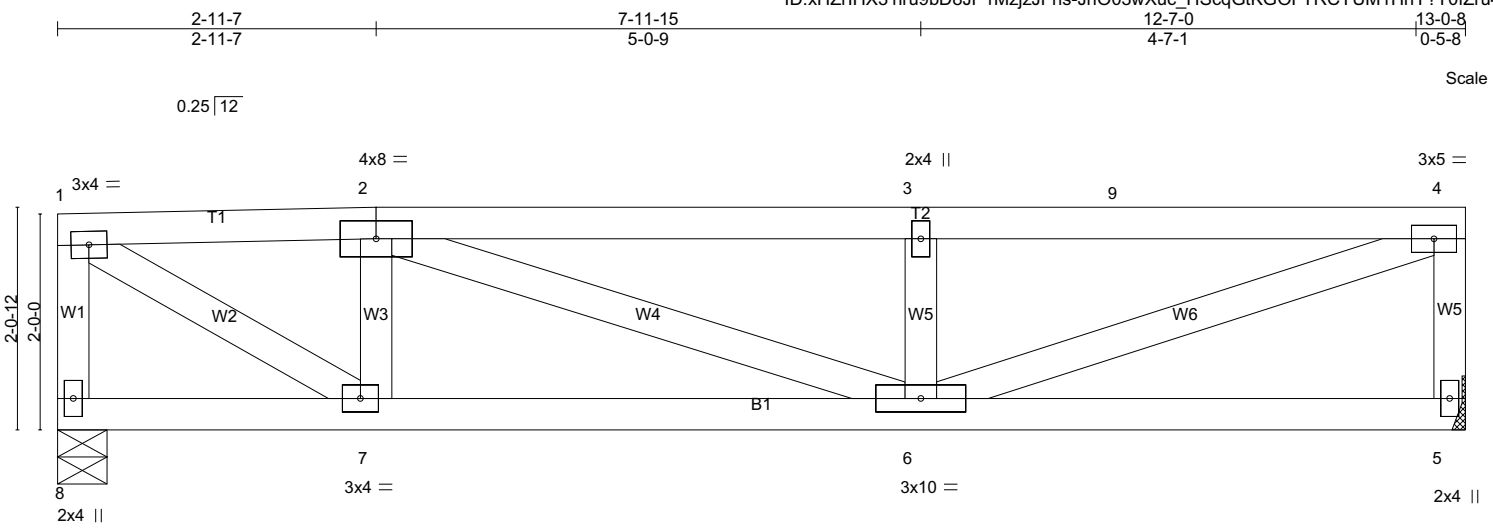

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.03	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.06	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 51 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=510/0-5-8 (min. 0-1-8), 5=510/Mechanical
Max Horz 8=62(LC 9)
Max Uplift8=-84(LC 8), 5=-85(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-488/94, 1-2=-675/111, 2-3=-960/160, 3-9=-960/160, 4-9=-960/160, 4-5=-460/110
BOT CHORD 6-7=-138/673
WEBS 1-7=-121/769, 2-7=-316/115, 2-6=-67/304, 3-6=-333/141, 4-6=-168/971

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 2-11-7, Interior(1) 2-11-7 to 12-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 8 and 85 lb uplift at joint 5.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L11	Half Hip	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:03 2021 Page 1

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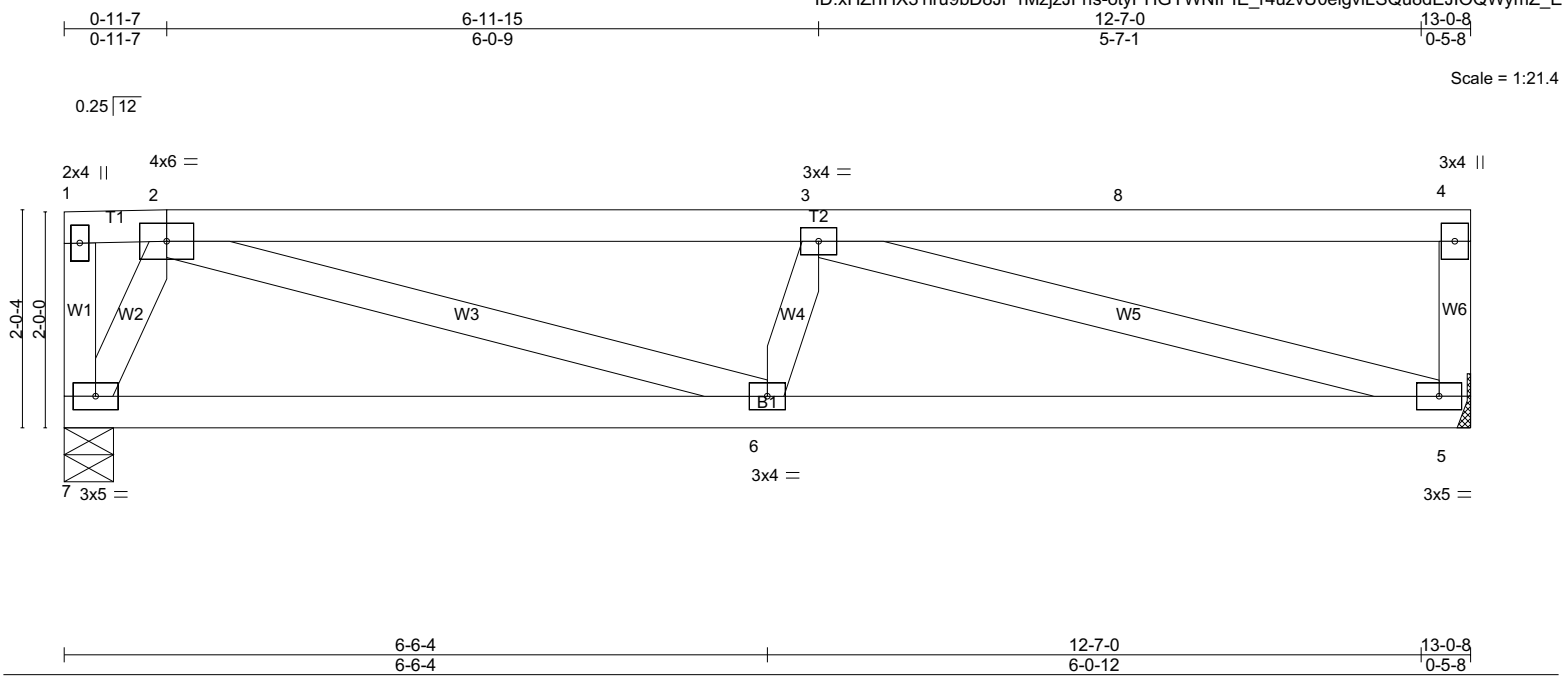

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.04	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.10	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 50 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=510/0-5-8 (min. 0-1-8), 5=510/Mechanical
Max Horz 7=60(LC 9)
Max Uplift 7=-84(LC 8), 5=-85(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1037/148
BOT CHORD 6-7=-104/270, 5-6=-205/1066
WEBS 2-7=-576/169, 2-6=-103/804, 3-5=-1039/191

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-1-12 to 0-11-7, Interior(1) 0-11-7 to 12-10-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 7 and 85 lb uplift at joint 5.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	L12	Jack-Closed	11	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105

8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:03 2021 Page 1

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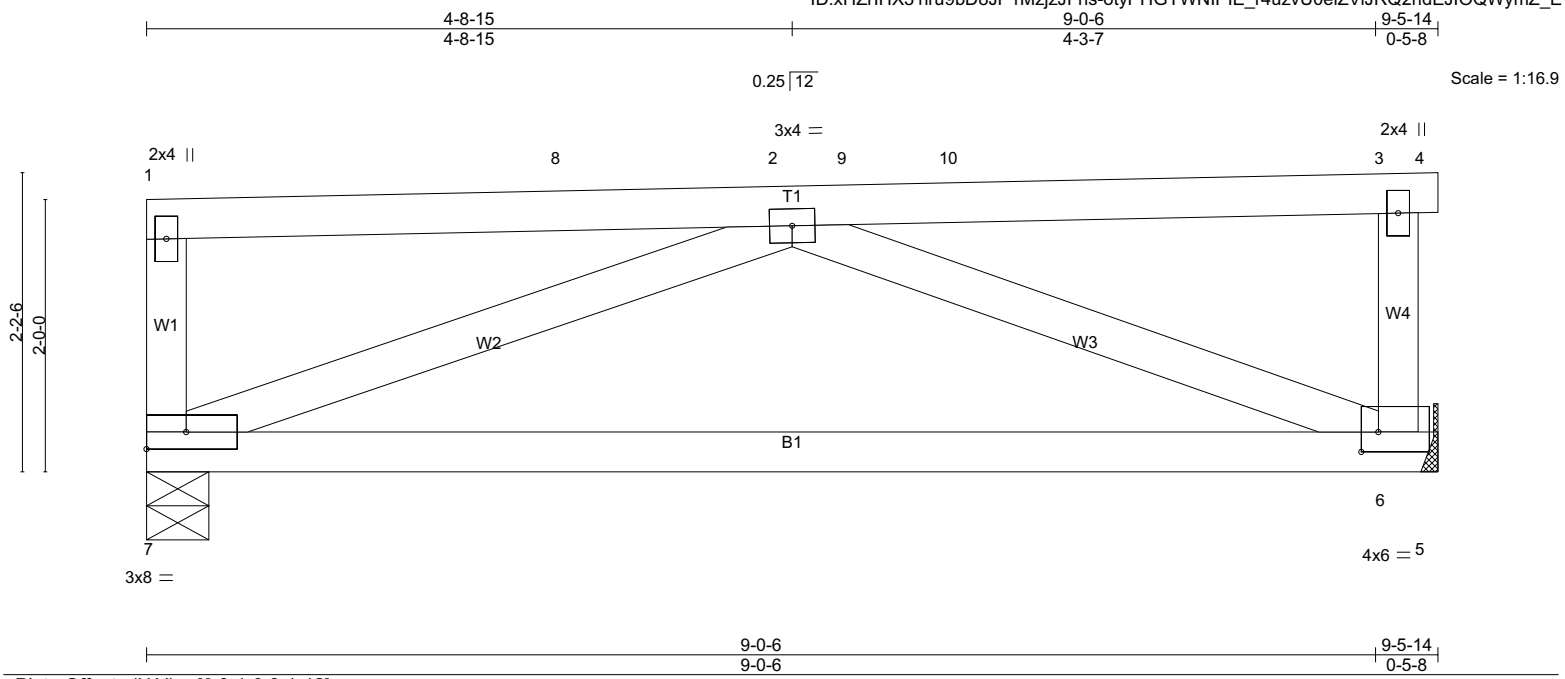


Plate Offsets (X,Y)-- [6:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.17	6-7	>633	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.34	6-7	>318	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=362/0-5-8 (min. 0-1-8), 6=374/Mechanical
Max Horz 7=66(LC 11)
Max Uplift7=-62(LC 8), 6=-55(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 6-7=-203/455
WEBS 2-7=-415/187, 2-6=-385/223

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 7 and 55 lb uplift at joint 6.
7) 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.

LOAD CASE(S) Standard

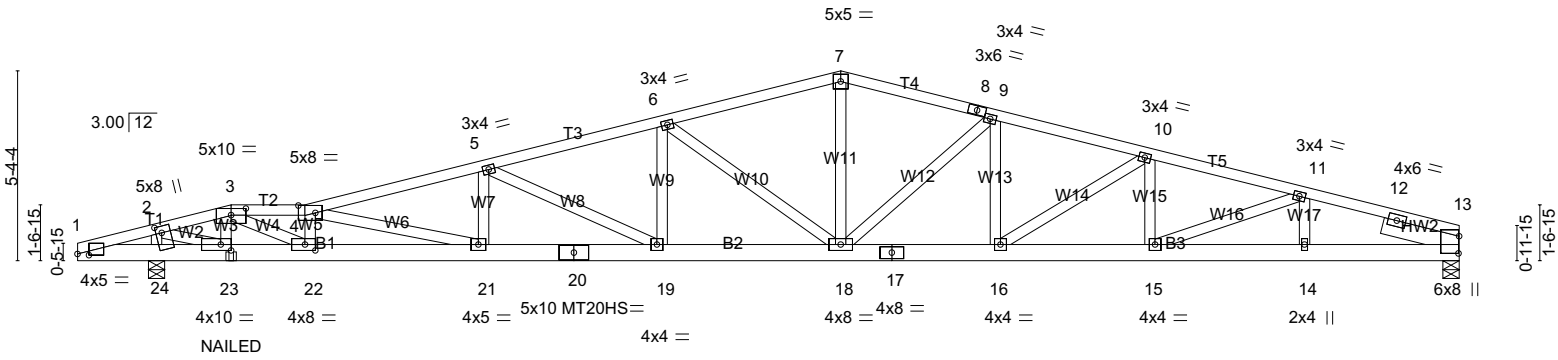
Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	R	Roof Special Girder	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:05 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-kF49hyZmvvf0TI?S?Oxy53qrHZz3umjwidnVVPymZ_C

2-2-12	4-4-0	6-5-0	11-5-7	16-5-14	21-6-5	25-10-10	30-2-15	34-7-5	38-6-2	38-11-10
2-2-12	2-1-4	2-1-0	5-0-7	5-0-7	5-0-7	4-4-5	4-4-5	4-4-5	3-10-13	0-5-8

Scale = 1:65.0



2-0-02-2-12	4-4-0	6-5-0	11-5-7	16-5-14	21-6-5	25-10-10	30-2-15	34-7-5	38-6-2	38-11-10
2-0-00-2-12	2-1-4	2-1-0	5-0-7	5-0-7	5-0-7	4-4-5	4-4-5	4-4-5	3-10-13	0-5-8

Plate Offsets (X,Y)-- [1:0-3-14,0-0-6], [2:0-2-4,0-2-0], [3:0-5-0,0-2-4], [4:0-5-12,0-2-8], [13:0-5-13,0-0-3], [22:0-3-8,0-2-0], [23:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.29	19	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.58	18-19	>767	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.12	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E *Except*
T5: 2x4 SPF 2100F 1.8E
BOT CHORD 2x6 SPF 1650F 1.5E
WEBS 2x4 SPF Stud
SLIDER Right 2x6 SPF No.2 -x 2-2-12

BRACING-
TOP CHORD Sheathed or 1-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 24=1626/0-5-8 (min. 0-2-9), 13=1463/0-5-8 (min. 0-2-5)
Max Horz 24=79(LC 12)
Max Uplift 24=-271(LC 4), 13=-163(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2172/285, 3-4=-4314/516, 4-5=-4249/483, 5-6=-3579/391, 6-7=-2828/286, 7-8=-2789/293, 8-9=-2821/282, 9-10=-3308/344, 10-11=-3647/393, 11-12=-3230/366, 12-13=-3286/358
BOT CHORD 22-23=-327/2173, 21-22=-514/4168, 20-21=-461/4099, 19-20=-461/4099, 18-19=-324/3437, 17-18=-206/3175, 16-17=-206/3175, 15-16=-294/3532, 14-15=-298/3037, 13-14=-298/3037
WEBS 2-24=-1354/234, 2-23=-281/2095, 3-23=-733/114, 3-22=-271/2432, 4-22=-1210/193, 5-21=0/253, 5-19=-753/161, 6-19=-8/433, 6-18=-928/191, 7-18=-56/1082, 9-18=-682/155, 9-16=-6/324, 10-16=-473/109, 11-15=-42/531

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 271 lb uplift at joint 24 and 163 lb uplift at joint 13.
8) 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.
9) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-7=-60, 7-13=-60, 1-13=-20

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 23=29(B)

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	R2	Common	1	1	Job Reference (optional)

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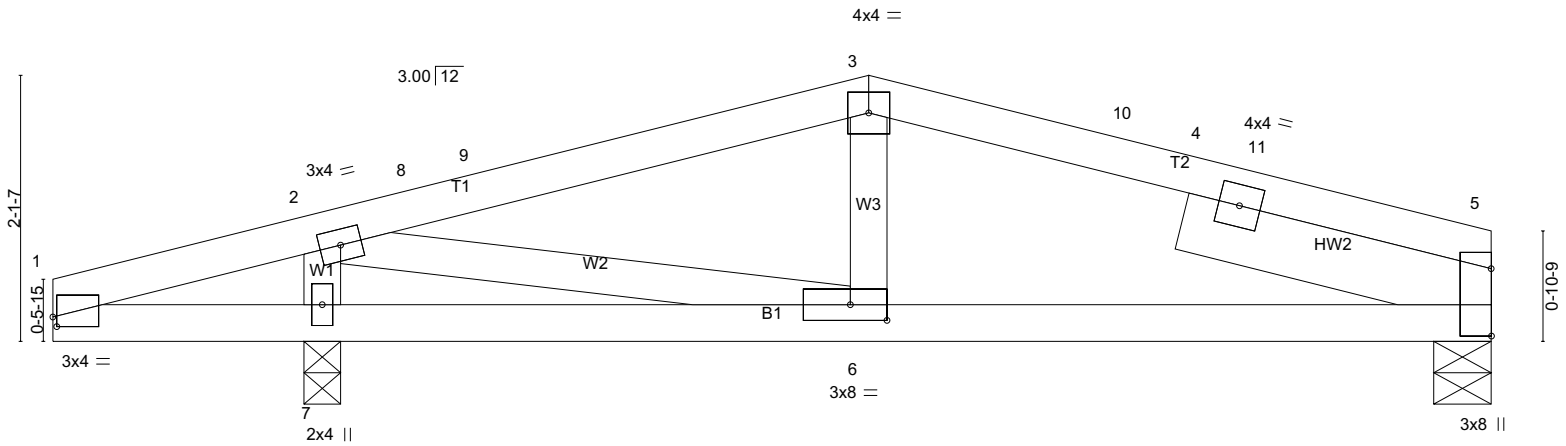
ID:xHZrIHX31iru9bD8JP1MzjzJFns-CSeXvHaOgDnt5SaeZ5SBeHNDwzOcdPo3wHX21rymZ_B

2-1-12	6-6-0	10-11-15	11-5-7
2-1-12	4-4-4	4-6-0	0-5-8

Scale = 1:18.3



2-0-0	2-1-12	6-6-0	10-11-15	11-5-7
2-0-0	0-1-12	4-4-4	4-6-0	0-5-8

Plate Offsets (X,Y)-- [1:0-0-6,0-0-14], [5:Edge,0-0-0], [6:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.02	5-6	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.04	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF Stud
SLIDER Right 2x6 SPF No.2 -x 2-6-9

BRACING-
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 5=353/0-5-8 (min. 0-1-8), 7=564/0-3-8 (min. 0-1-8)
Max Horz 7=-29(LC 17)
Max Uplift5=-43(LC 9), 7=-111(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-510/70, 8-9=-490/73, 3-9=-475/81, 3-10=-475/84, 4-10=-478/76, 4-11=-497/72, 5-11=-536/72
BOT CHORD 5-6=-20/461
WEBS 2-7=-480/205, 2-6=-169/519

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-6-0, Exterior(2) 6-6-0 to 9-6-0, Interior(1) 9-6-0 to 11-5-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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 3-6-0 tall by 2-0-0 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 43 lb uplift at joint 5 and 111 lb uplift at joint 7.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	RF1	Monopitch	2	1	Job Reference (optional)

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ID:xHZrIHX31iru9bD8JP1MzjzJFns-CSeXvHaOgDnt5SaeZ5SBeHNA2zLsdKr3wHX21rymZ_B

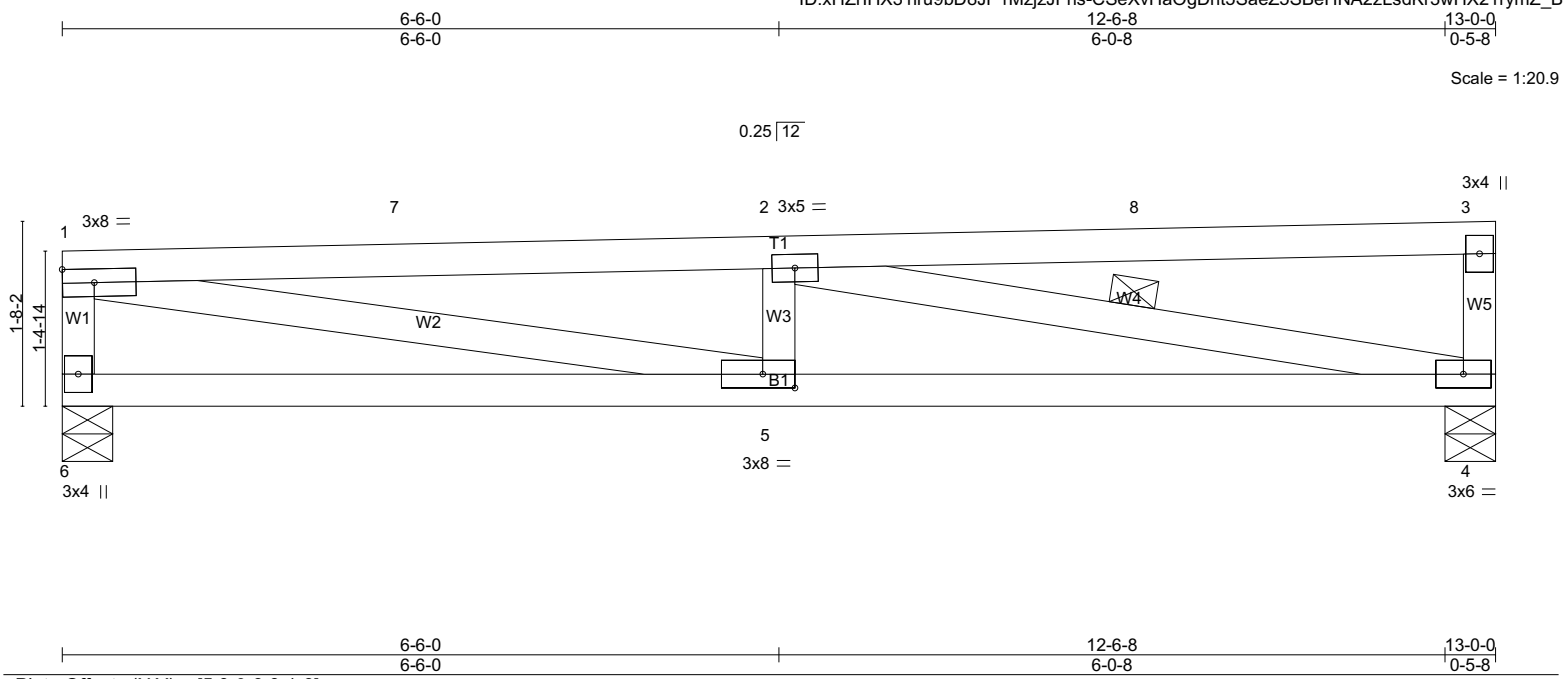


Plate Offsets (X,Y)-- [5:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.08	5	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.16	5	>965	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 47 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 5-6-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-4

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=508/0-5-8 (min. 0-1-8), 4=508/0-5-8 (min. 0-1-8)
Max Horz 6=48(LC 9)
Max Uplift6=-82(LC 8), 4=-79(LC 12)

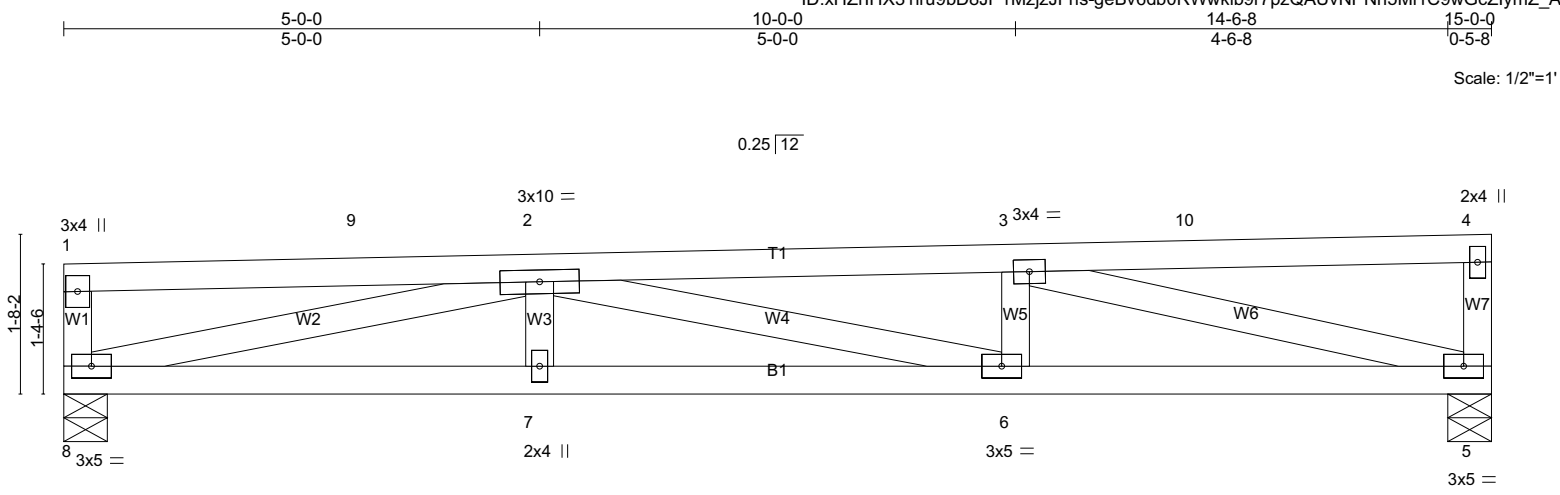
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-437/113, 1-7=-1463/232, 2-7=-1459/232
BOT CHORD 4-5=-214/1459
WEBS 1-5=-215/1321, 2-4=-1364/212

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 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 82 lb uplift at joint 6 and 79 lb uplift at joint 4.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	RF2	Monopitch	1	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:07 2021 Page 1
ID:xHZrIHX31iru9bD8JP1MzjzJFns-geBv6db0RWwkib9r7pzQAUvNPNh5Mi1C9wGcZIymZ_A



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.09	6-7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.19	6-7	>913	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 55 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 5-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=588/0-5-8 (min. 0-1-8), 5=588/0-5-8 (min. 0-1-8)
Max Horz 8=48(LC 9)
Max Uplift 8=-94(LC 8), 5=-92(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1584/256
BOT CHORD 7-8=-251/1693, 6-7=-251/1693, 5-6=-236/1581
WEBS 2-8=-1617/261, 3-5=-1553/244

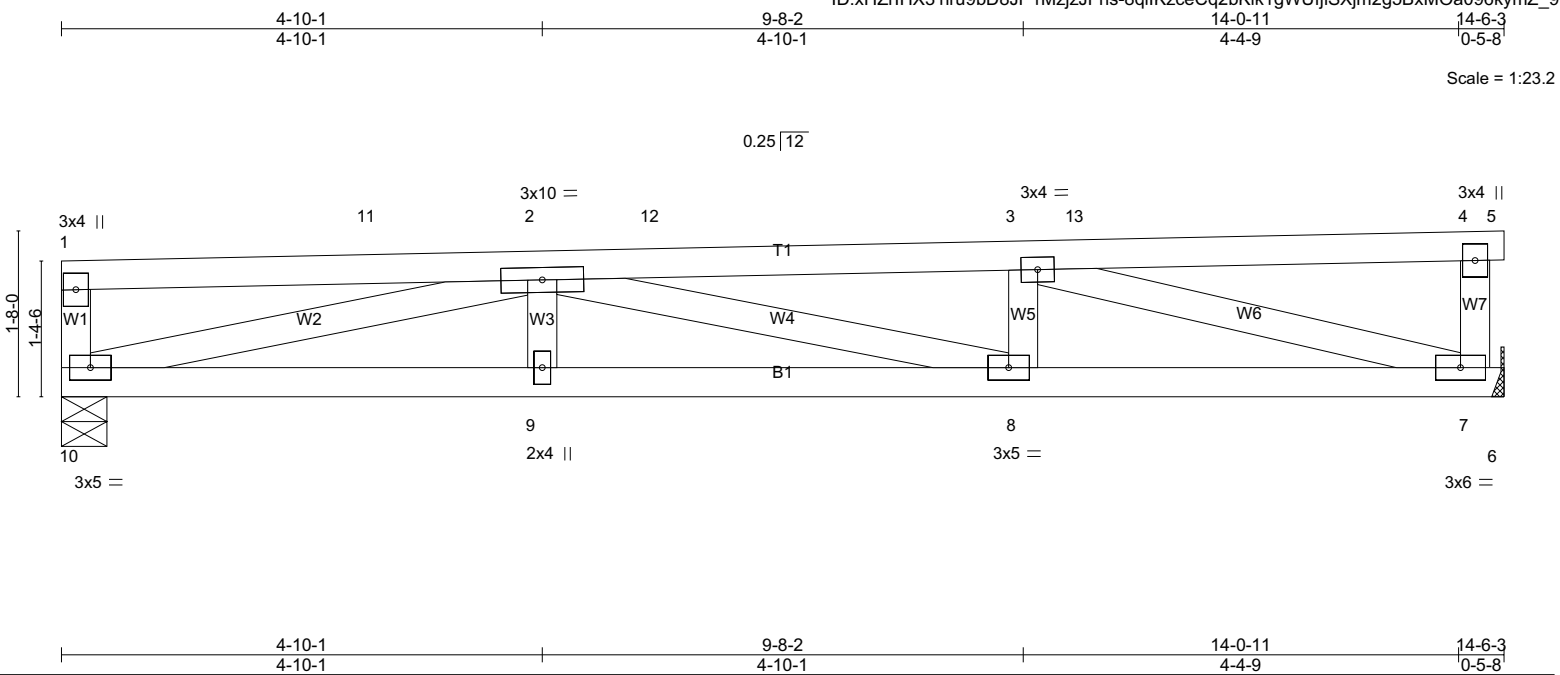
NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=12ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 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 94 lb uplift at joint 8 and 92 lb uplift at joint 5.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	RF3	Jack-Closed	2	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:08 2021 Page 1

ID:xHZrIHX31iru9bD8JP1MzjzJFns-8qlIKzceCq2bKlk1gWUfjiSXjm2g5BxMOa096kymZ_9



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.08	8-9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	-0.16	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 53 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 5-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 10=563/0-5-8 (min. 0-1-8), 7=575/Mechanical
Max Horz 10=47(LC 11)
Max Uplift10=-90(LC 8), 7=-90(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1433/231, 3-12=-1430/232
BOT CHORD 9-10=-229/1567, 8-9=-229/1567, 7-8=-210/1430
WEBS 2-10=-1500/242, 3-7=-1375/215

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-6-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 10 and 90 lb uplift at joint 7.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	RF4	SLOPING FLAT	3	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:09 2021 Page 1
ID:xHZrIHX31iru9bD8JP1MzjzJFns-c1JgXJdHz8ASyvIDEE0uGv?glAQsqiUVdEljeAymZ_8

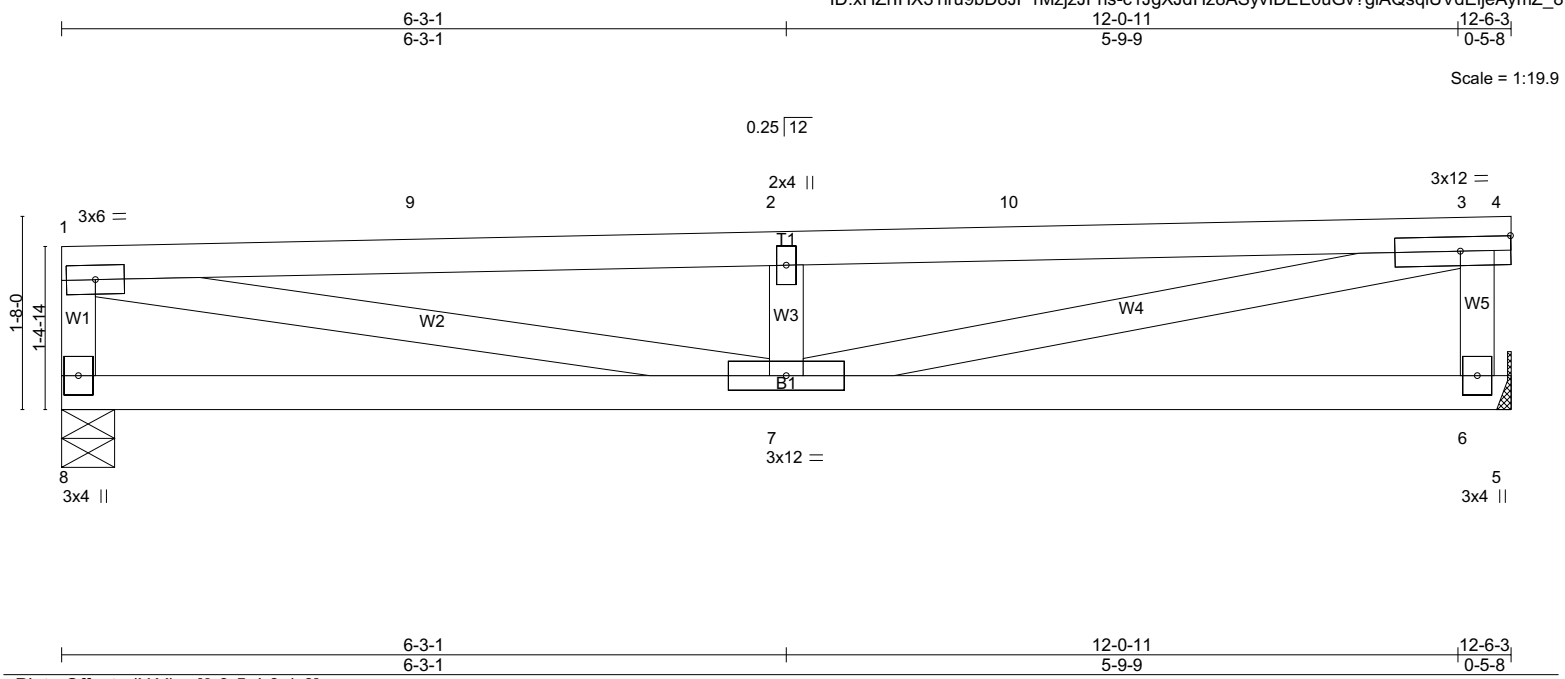


Plate Offsets (X,Y)-- [3:0-5-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.06	7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.13	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 45 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 5-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=483/0-5-8 (min. 0-1-8), 6=495/Mechanical
Max Horz 8=47(LC 11)
Max Uplift 8=-78(LC 8), 6=-77(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-413/112, 1-9=-1309/207, 2-9=-1305/208, 2-10=-1309/211, 3-10=-1305/212, 3-6=-416/127
WEBS 2-7=-373/163, 1-7=-191/1174, 3-7=-178/1166

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-6-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 8 and 77 lb uplift at joint 6.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	RF5	Jack-Closed	4	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:10 2021 Page 1
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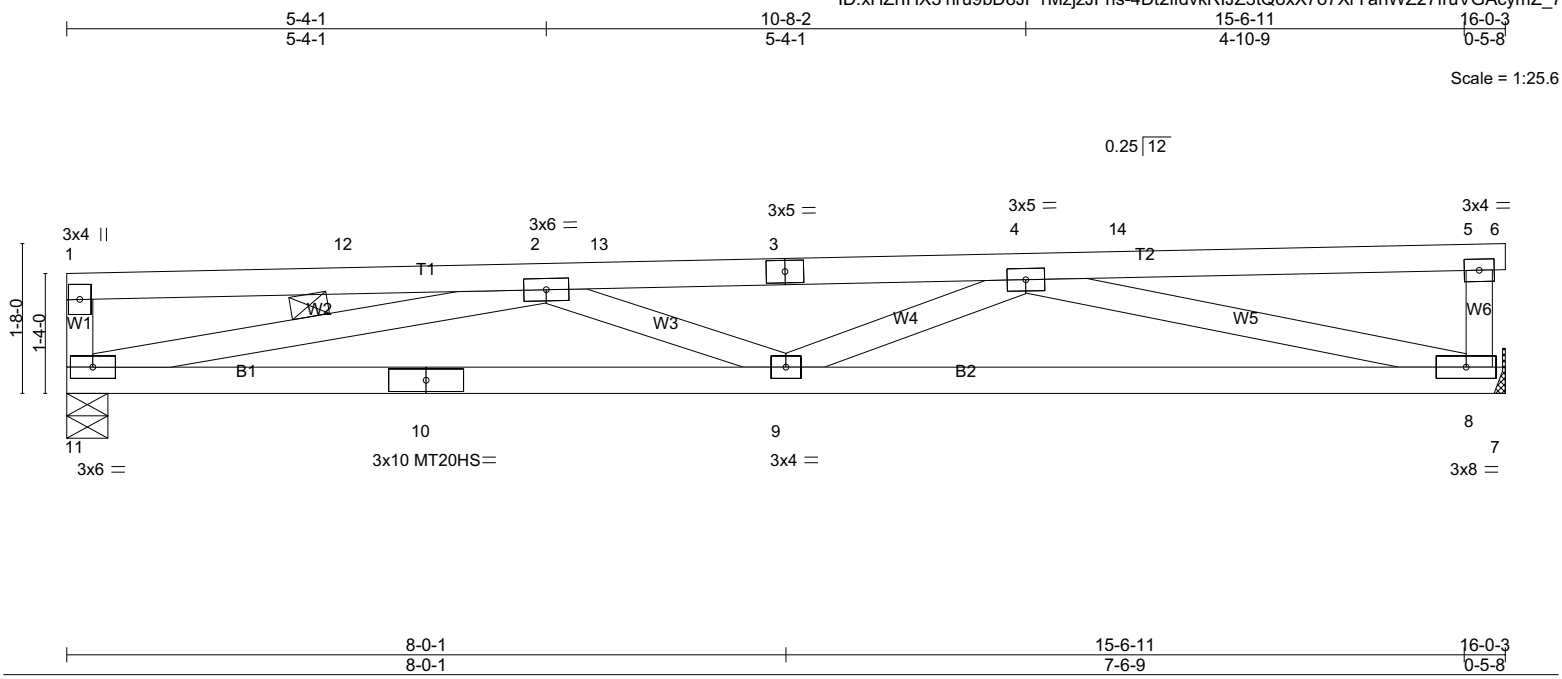

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.11	9	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.26	9-11	>733	240	MT20HS	148/108
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 57 lb	FT = 20%

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

BRACING-
TOP CHORD Sheathed or 4-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 11=623/0-5-8 (min. 0-1-8), 8=635/Mechanical
Max Horz 11=48(LC 11)
Max Uplift11=-99(LC 8), 8=-100(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1968/221, 3-13=-1964/222, 3-4=-1964/222
BOT CHORD 10-11=-341/1894, 9-10=-341/1894, 8-9=-303/1711
WEBS 2-11=-1781/366, 2-9=0/331, 4-9=0/466, 4-8=-1603/323

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 16-0-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 99 lb uplift at joint 11 and 100 lb uplift at joint 8.
8) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Jay Patel
B210450	RF6	Jack-Closed	4	1	Job Reference (optional)

Champion Truss, Inc., Albuquerque NM 87105 — 8.510 s Jun 1 2021 MiTek Industries, Inc. Wed Aug 18 15:41:11 2021 Page 1
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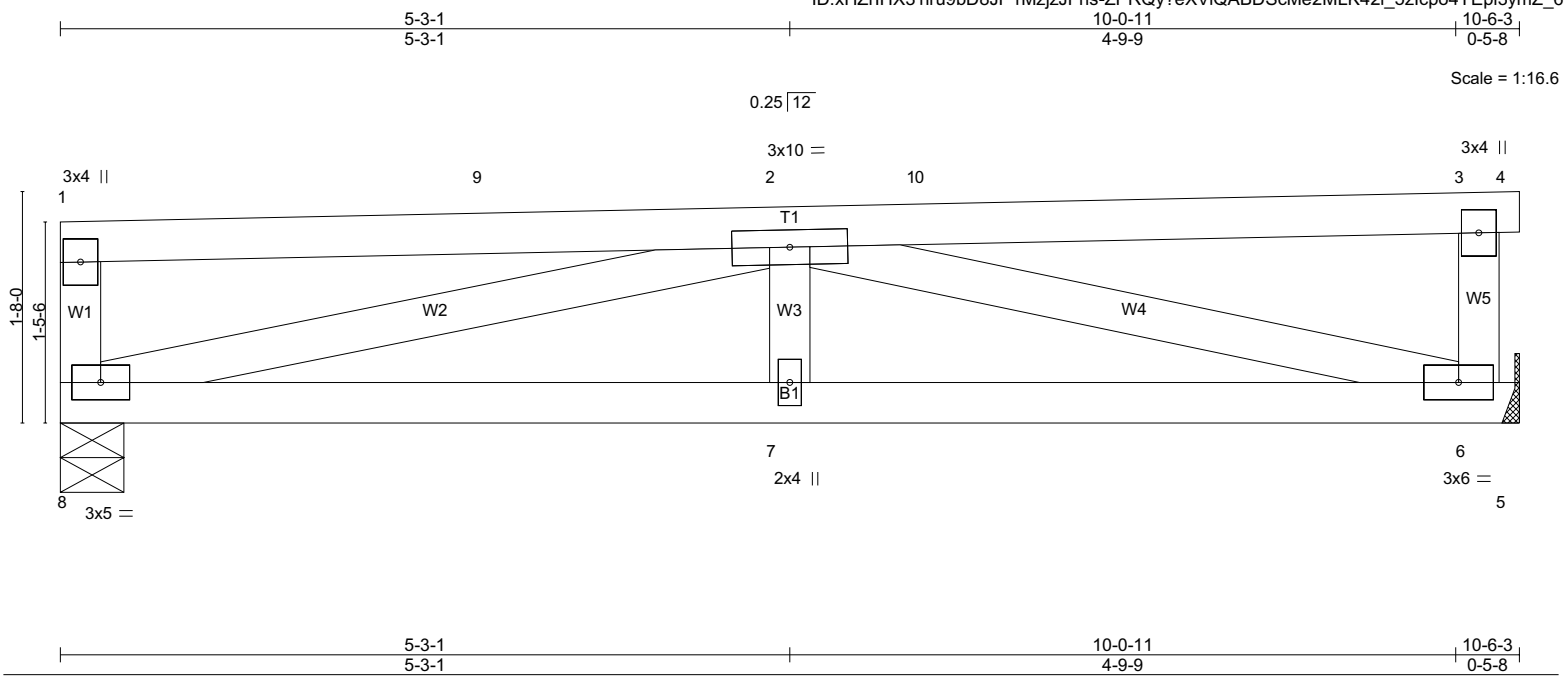

5-3-1
5-3-1
10-0-11
4-9-9
10-6-3
0-5-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.03	7	>999	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.06	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=403/0-5-8 (min. 0-1-8), 6=415/Mechanical
Max Horz 8=47(LC 9)
Max Uplift 8=-65(LC 8), 6=-64(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 7-8=-182/897, 6-7=-182/897
WEBS 2-8=-824/139, 2-6=-813/142

NOTES-
1) 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 and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-6-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 8 and 64 lb uplift at joint 6.
7) 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.

LOAD CASE(S) Standard