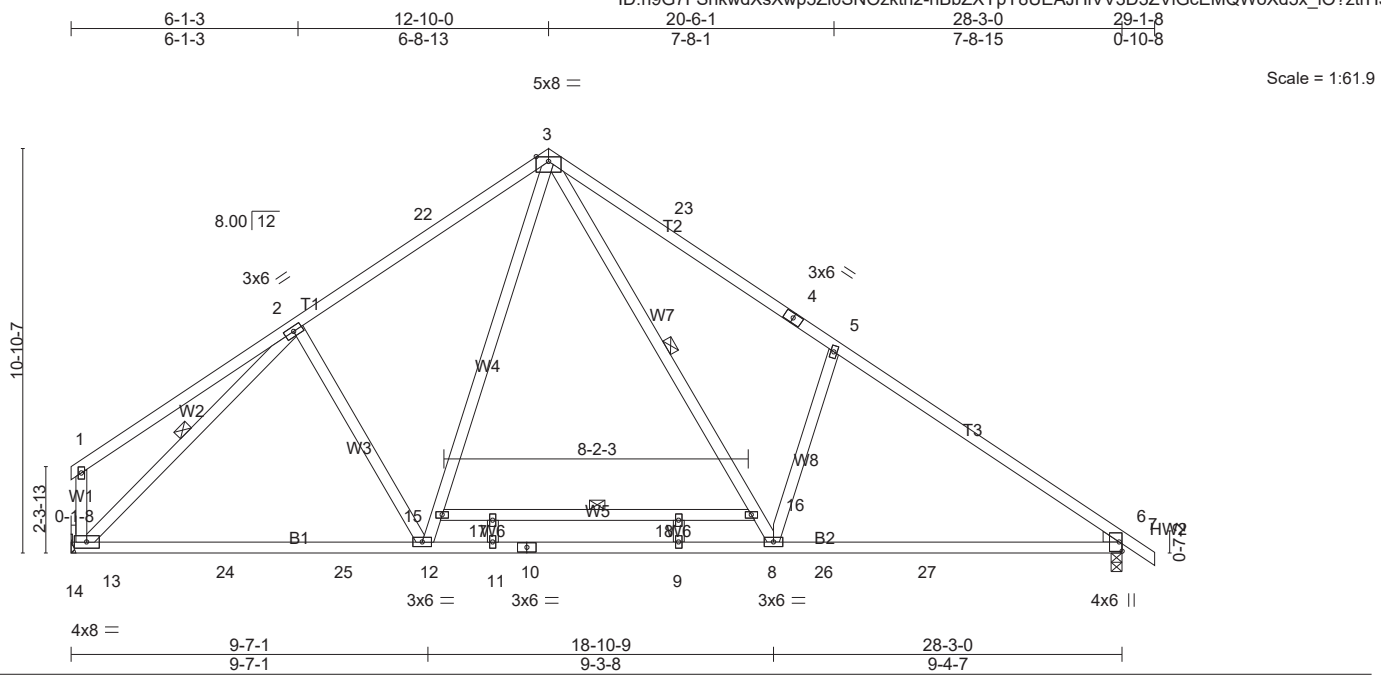
Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A04	Common	1	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:26 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-nBbZXYpY8UEAJHlVV3D3ZVlGcEMQWoXd5x_iO?ztrH3



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.22	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.31	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.17	8-21	>999	240	Weight: 176 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W1,W5: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Sheathed, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 3-8, 15-16

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

REACTIONS. (lb/size) 13=1227/Mechanical, 6=1269/0-3-8 (min. 0-1-10)
Max Horz 13=-464(LC 8)
Max Uplift13=-348(LC 12), 6=-433(LC 13)
Max Grav 13=1406(LC 19), 6=1485(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-263/178, 2-22=-1409/491, 3-22=-1303/512, 3-23=-1775/733, 4-23=-1784/711, 4-5=-1906/687, 5-6=-1943/496, 1-13=-272/216
BOT CHORD 13-24=-350/1372, 24-25=-350/1372, 12-25=-350/1372, 11-12=-38/1124, 10-11=-38/1124, 9-10=-38/1124, 8-9=-38/1124, 8-26=-212/1509, 26-27=-212/1509, 6-27=-212/1509
WEBS 2-12=-198/482, 12-15=-225/611, 3-15=-185/660, 5-8=-570/652, 2-13=-1409/316, 3-16=-512/1171, 8-16=-557/1107

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 12-10-0, Exterior(2R) 12-10-0 to 15-10-0, Interior(1) 15-10-0 to 29-1-8 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 13-10-4 from left end, supported at two points, 5-0-0 apart.
4) All plates are 2x4 MT20 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=348, 6=433.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A05	ROOF SPECIAL	2	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:27 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-FN8xkuqAunM1xQKh3mkI6jIWReerFCVmJbkFwRztrH2

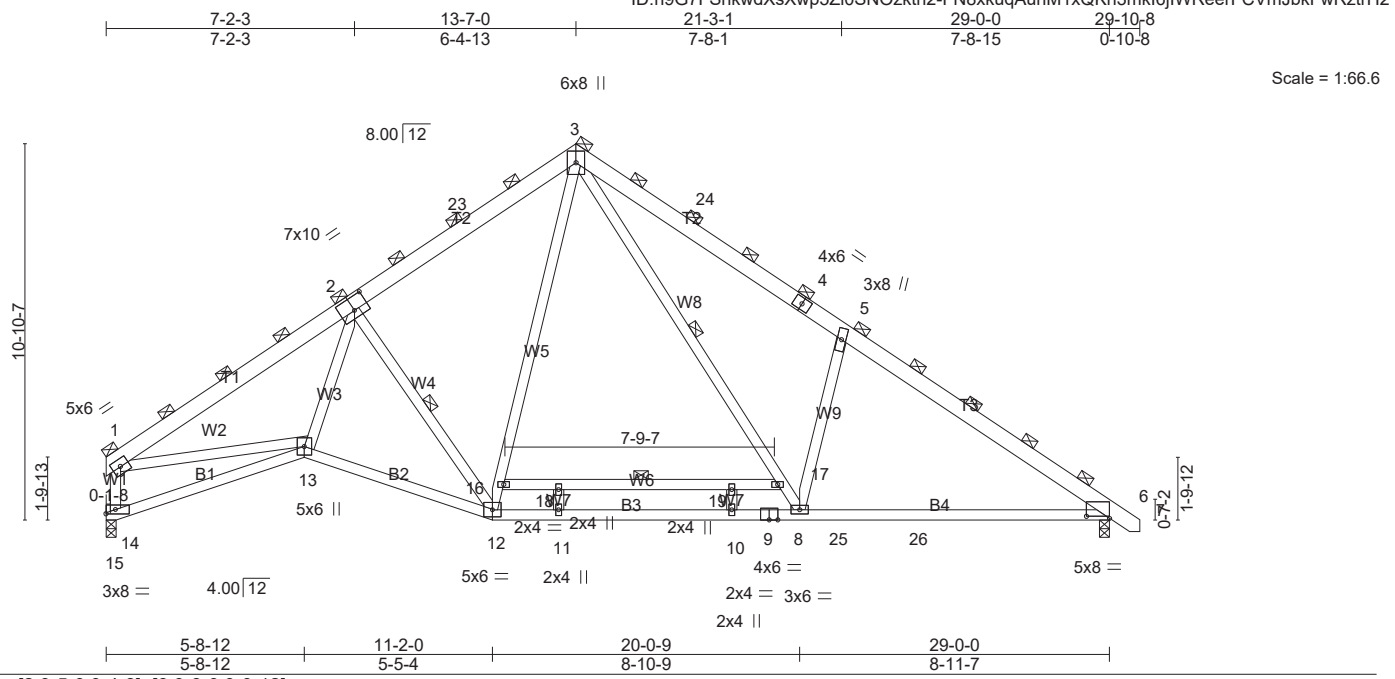


Plate Offsets (X,Y)-- [2:0-5-0,0-4-8], [6:0-8-0,0-0-12]

LOADING (psf)		SPACING-	2-6-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.16	8-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.43	10-11	>804	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.10	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.13	8-22	>999	240	Weight: 210 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B4: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W1,W6: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (3-11-2 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-10-14 oc bracing: 13-14
6-9-5 oc bracing: 12-13.
WEBS 1 Row at midpt 2-12, 3-8, 16-17

REACTIONS. (lb/size) 14=1532/0-3-8 (min. 0-1-14), 6=1598/0-3-8 (min. 0-2-0)
Max Horz 14=-580(LC 8)
Max Uplift 14=-497(LC 12), 6=-564(LC 13)
Max Grav 14=1721(LC 19), 6=1852(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3007/856, 2-23=-1726/675, 3-23=-1634/724, 3-24=-2342/1034, 4-24=-2354/1006, 4-5=-2506/976, 5-6=-2474/672, 1-14=-1771/643
BOT CHORD 13-14=-540/696, 12-13=-732/2539, 11-12=-104/1447, 10-11=-104/1447, 9-10=-104/1447, 8-9=-104/1447, 8-25=-326/1949, 25-26=-326/1949, 6-26=-326/1949
WEBS 2-13=-292/1345, 2-12=-1440/886, 12-16=-366/720, 3-16=-306/831, 1-13=-455/2201, 5-8=-752/860, 3-17=-706/1535, 8-17=-758/1445

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-8-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 15-7-0 from left end, supported at two points, 5-0-0 apart.
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, with BCDL = 10.0psf.
6) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=497, 6=564.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A05	ROOF SPECIAL	2	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:27 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-FN8xkuqAunM1xQKh3mkI6jIWReerFCVmJbkFwRztrH2

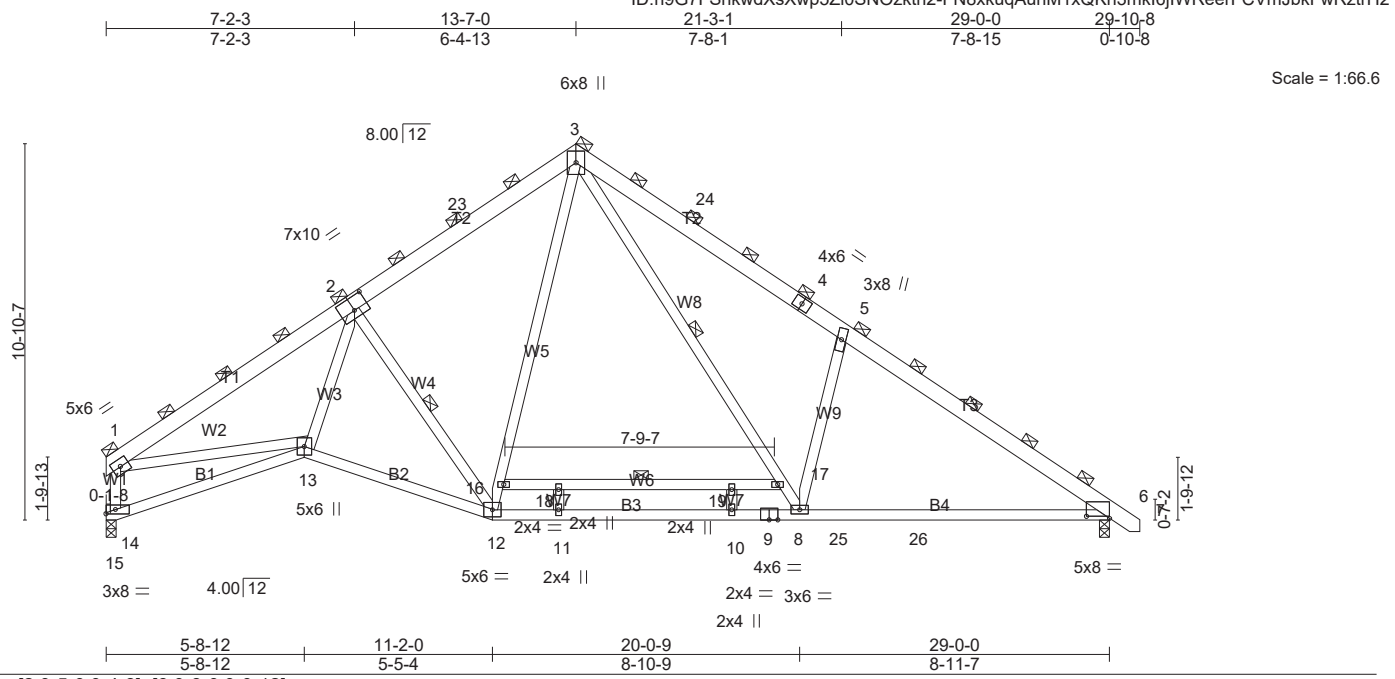


Plate Offsets (X,Y)-- [2:0-5-0,0-4-8], [6:0-8-0,0-0-12]

LOADING (psf)		SPACING-	2-6-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.16	8-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.43	10-11	>804	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.10	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.13	8-22	>999	240	Weight: 210 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B4: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W1,W6: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (3-11-2 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-10-14 oc bracing: 13-14
6-9-5 oc bracing: 12-13.
WEBS 1 Row at midpt 2-12, 3-8, 16-17

REACTIONS. (lb/size) 14=1532/0-3-8 (min. 0-1-14), 6=1598/0-3-8 (min. 0-2-0)
Max Horz 14=-580(LC 8)
Max Uplift 14=-497(LC 12), 6=-564(LC 13)
Max Grav 14=1721(LC 19), 6=1852(LC 20)

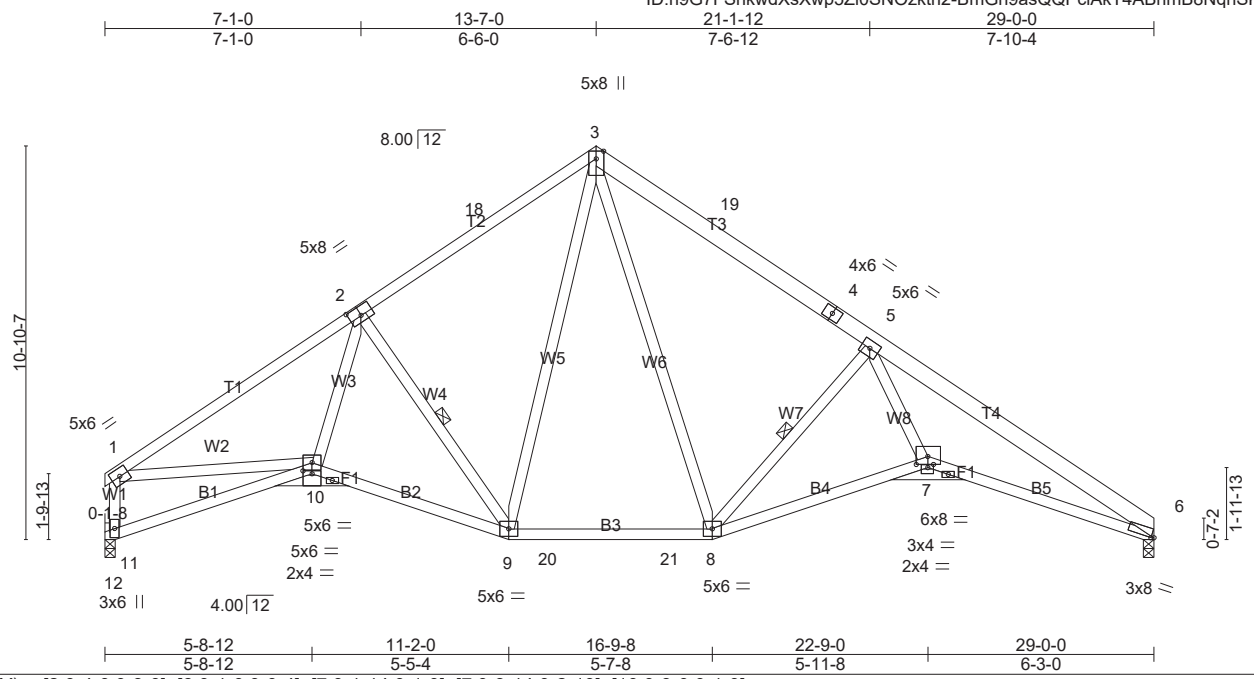
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3007/856, 2-23=-1726/675, 3-23=-1634/724, 3-24=-2342/1034, 4-24=-2354/1006, 4-5=-2506/976, 5-6=-2474/672, 1-14=-1771/643
BOT CHORD 13-14=-540/696, 12-13=-732/2539, 11-12=-104/1447, 10-11=-104/1447, 9-10=-104/1447, 8-9=-104/1447, 8-25=-326/1949, 25-26=-326/1949, 6-26=-326/1949
WEBS 2-13=-292/1345, 2-12=-1440/886, 12-16=-366/720, 3-16=-306/831, 1-13=-455/2201, 5-8=-752/860, 3-17=-706/1535, 8-17=-758/1445

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-8-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 15-7-0 from left end, supported at two points, 5-0-0 apart.
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, with BCDL = 10.0psf.
6) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=497, 6=564.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A06	Roof Special	3	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:29 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-BmGh9asQQPclAkT4ABnmB8NqnSKGj3j3nvDM?KztrH0



Scale: 3/16"=1'

Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [6:0-1-0,0-0-4], [7:0-1-14,0-1-0], [7:0-3-14,0-2-10], [10:0-3-0,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.17	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.33	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.15	7-8	>999	240	Weight: 193 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T3,T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-9, 5-8

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

REACTIONS. (lb/size) 6=1149/0-3-8 (min. 0-1-8), 11=1152/0-3-8 (min. 0-1-8)
Max Horz 11=-454(LC 8)
Max Uplift6=-500(LC 13), 11=-472(LC 12)
Max Grav 6=1348(LC 20), 11=1320(LC 19)

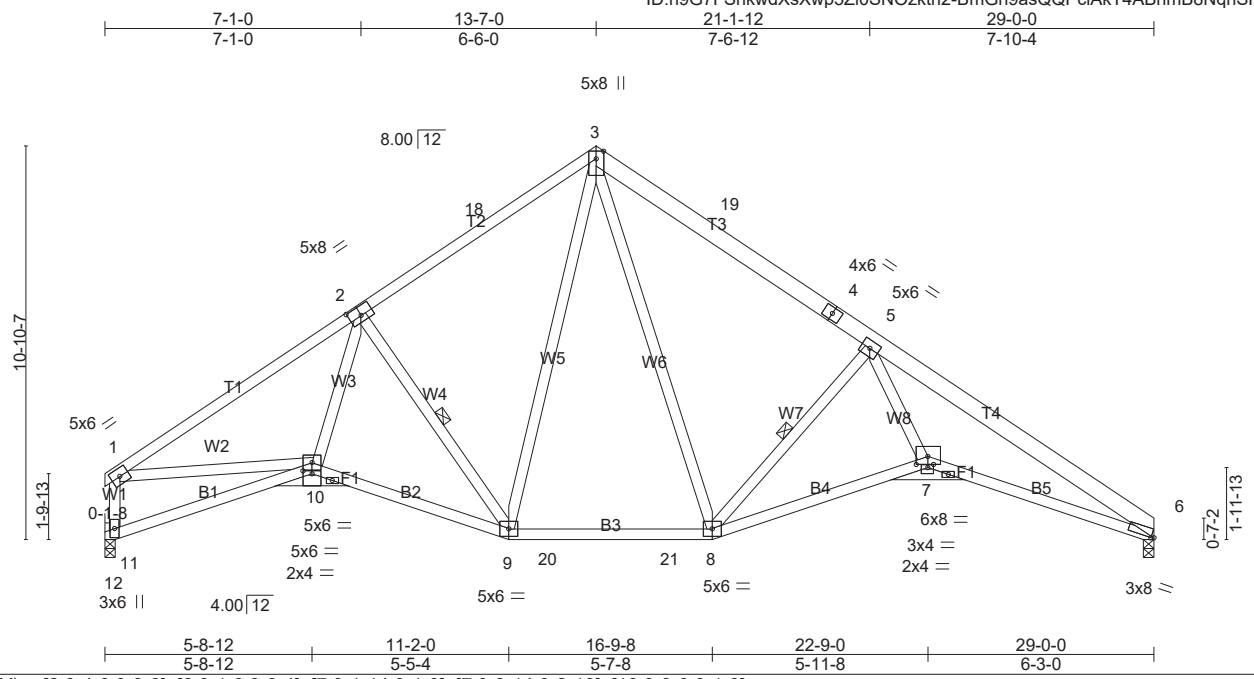
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2243/823, 2-18=-1285/660, 3-18=-1186/695, 3-19=-1303/730, 4-19=-1315/707, 4-5=-1429/682, 5-6=-3358/1098, 1-11=-1359/598
BOT CHORD 10-11=-463/553, 9-10=-706/1920, 9-20=-181/1038, 20-21=-181/1038, 8-21=-181/1038, 7-8=-618/1992, 6-7=-808/2826
WEBS 2-10=-268/1007, 2-9=-1125/727, 3-9=-325/572, 3-8=-431/805, 5-8=-1484/852, 5-7=-420/1860, 1-10=-449/1625

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-0-0 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 6, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=500, 11=472.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A06	Roof Special	3	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:29 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-BmGh9asQQPclAkT4ABnmB8NqnSKGj3j3nvDM?KztrH0



Scale: 3/16"=1'

Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [6:0-1-0,0-0-4], [7:0-1-14,0-1-0], [7:0-3-14,0-2-10], [10:0-3-0,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.17	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.33	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.15	7-8	>999	240	Weight: 193 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T3,T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-9, 5-8

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

REACTIONS. (lb/size) 6=1149/0-3-8 (min. 0-1-8), 11=1152/0-3-8 (min. 0-1-8)
Max Horz 11=-454(LC 8)
Max Uplift6=-500(LC 13), 11=-472(LC 12)
Max Grav 6=1348(LC 20), 11=1320(LC 19)

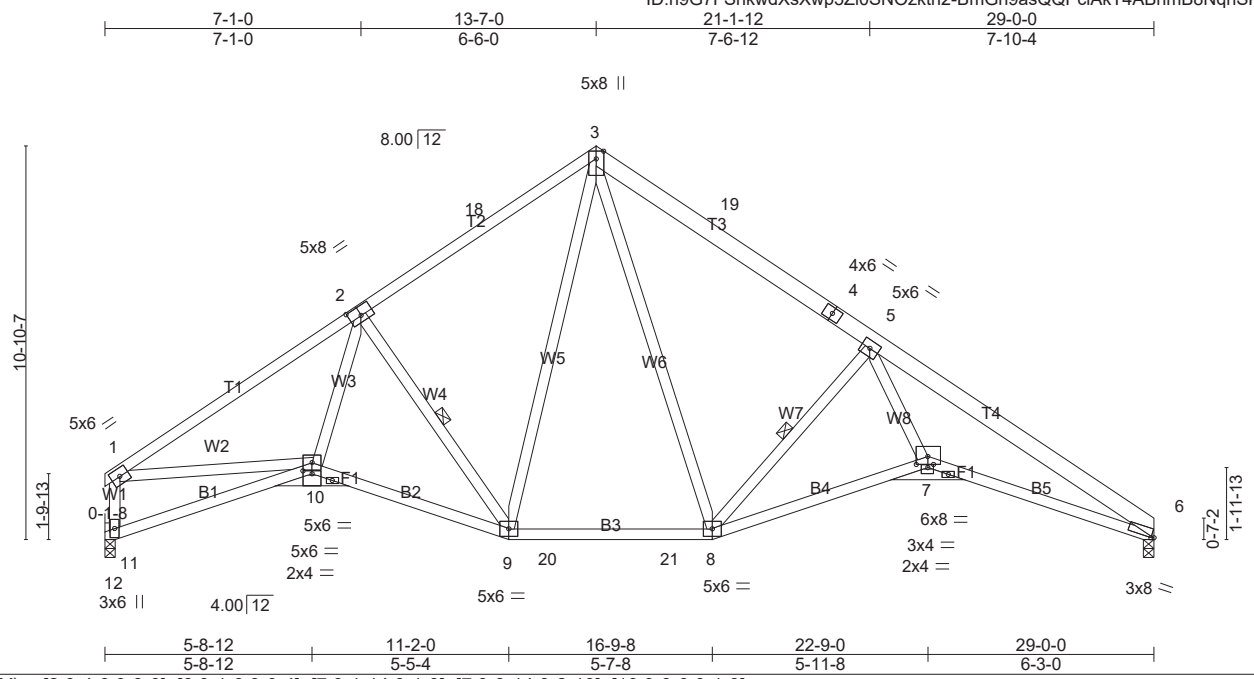
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2243/823, 2-18=-1285/660, 3-18=-1186/695, 3-19=-1303/730, 4-19=-1315/707, 4-5=-1429/682, 5-6=-3358/1098, 1-11=-1359/598
BOT CHORD 10-11=-463/553, 9-10=-706/1920, 9-20=-181/1038, 20-21=-181/1038, 8-21=-181/1038, 7-8=-618/1992, 6-7=-808/2826
WEBS 2-10=-268/1007, 2-9=-1125/727, 3-9=-325/572, 3-8=-431/805, 5-8=-1484/852, 5-7=-420/1860, 1-10=-449/1625

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-0-0 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 6, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=500, 11=472.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A06	Roof Special	3	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:29 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-BmGh9asQQPclAkT4ABnmB8NqnSKGj3j3nvDM?KztrH0



Scale: 3/16"=1'

Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [6:0-1-0,0-0-4], [7:0-1-14,0-1-0], [7:0-3-14,0-2-10], [10:0-3-0,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.17	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.33	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.15	7-8	>999	240	Weight: 193 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T3,T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Sheathed or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-9, 5-8

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

REACTIONS. (lb/size) 6=1149/0-3-8 (min. 0-1-8), 11=1152/0-3-8 (min. 0-1-8)
Max Horz 11=-454(LC 8)
Max Uplift6=-500(LC 13), 11=-472(LC 12)
Max Grav 6=1348(LC 20), 11=1320(LC 19)

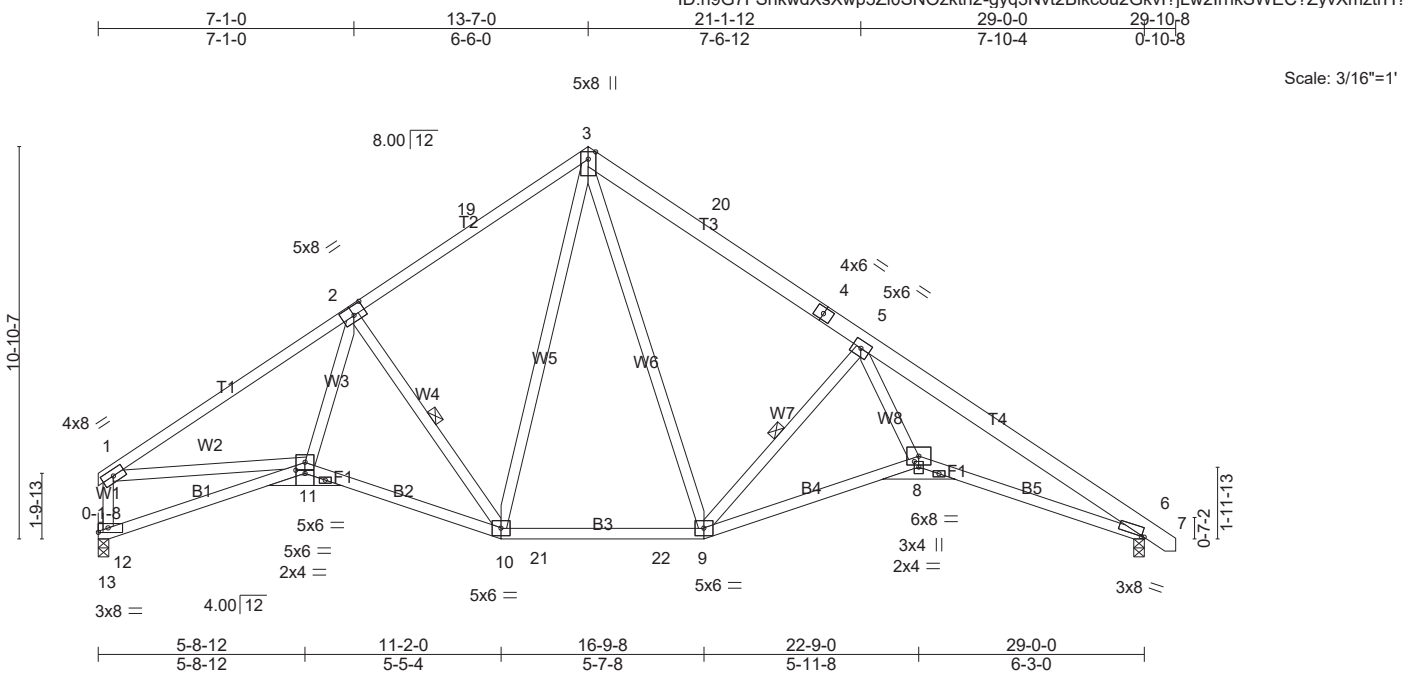
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2243/823, 2-18=-1285/660, 3-18=-1186/695, 3-19=-1303/730, 4-19=-1315/707, 4-5=-1429/682, 5-6=-3358/1098, 1-11=-1359/598
BOT CHORD 10-11=-463/553, 9-10=-706/1920, 9-20=-181/1038, 20-21=-181/1038, 8-21=-181/1038, 7-8=-618/1992, 6-7=-808/2826
WEBS 2-10=-268/1007, 2-9=-1125/727, 3-9=-325/572, 3-8=-431/805, 5-8=-1484/852, 5-7=-420/1860, 1-10=-449/1625

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-0-0 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 6, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=500, 11=472.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A07	ROOF SPECIAL	3	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:30 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-gyq3Nvt2Bikcou2GkvI?jLw2IrhkSWEC?ZyvXmztrH?



*** Design Problems ***
REVIEW REQUIRED

Overlapping plates

Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [6:0-1-0,0-0-0], [8:0-1-14,0-1-8], [11:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.16	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.31	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.15	8-9	>999	240	Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T3,T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W1: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Sheathed, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-10, 5-9

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

REACTIONS. (lb/size) 6=1193/0-3-8 (min. 0-1-8), 12=1151/0-3-8 (min. 0-1-8)
Max Horz 12=-468(LC 8)
Max Uplift6=-535(LC 13), 12=-472(LC 12)
Max Grav 6=1393(LC 20), 12=1320(LC 19)

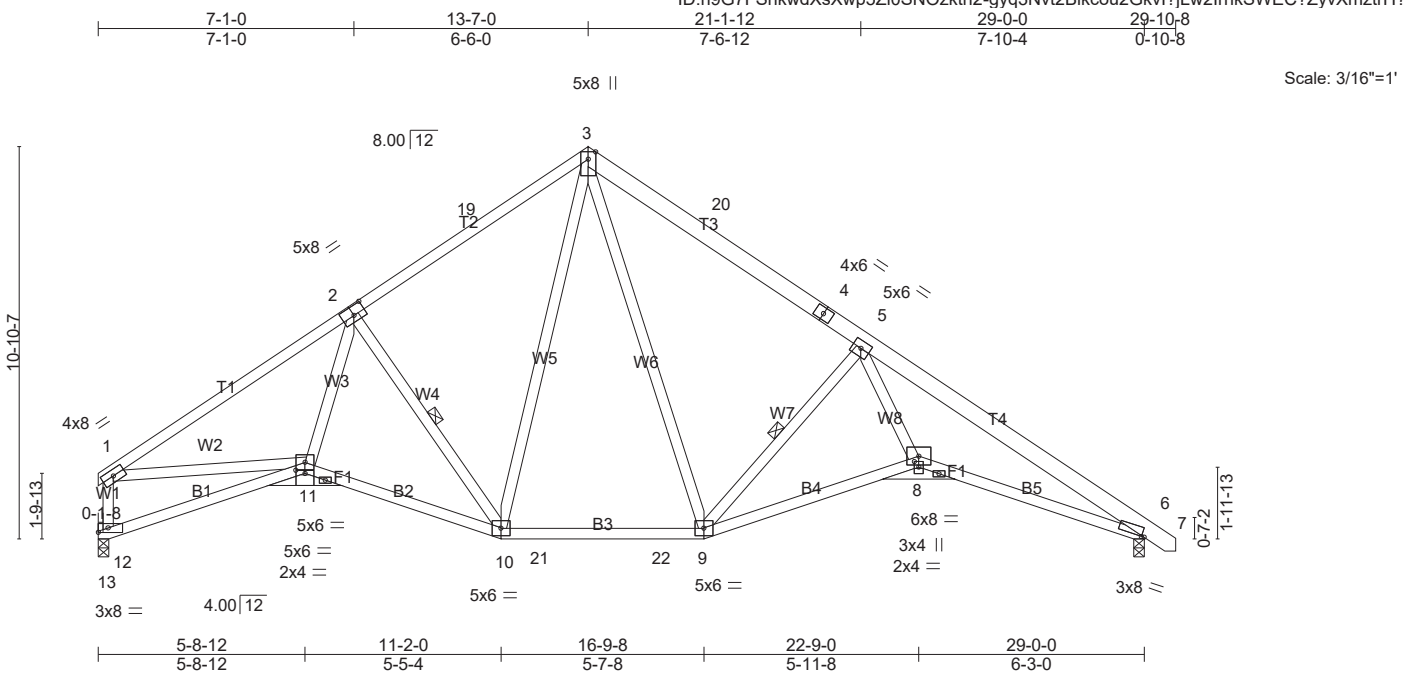
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2252/812, 2-19=-1284/655, 3-19=-1181/691, 3-20=-1300/725, 4-20=-1316/702, 4-5=-1426/677, 5-6=-3337/1035, 1-12=-1373/600
BOT CHORD 11-12=-467/591, 10-11=-678/1929, 10-21=-170/1055, 21-22=-170/1055, 9-22=-170/1055, 8-9=-561/1990, 6-8=-727/2808
WEBS 2-11=-259/1021, 2-10=-1115/704, 3-10=-316/562, 3-9=-423/796, 5-9=-1461/823, 5-8=-369/1841, 1-11=-405/1594

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-8-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 6, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=535, 12=472.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A07	ROOF SPECIAL	3	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:30 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-gyq3Nvt2Bikcou2GkvI?jLw2IrhkSWEC?ZyvXmztrH?



*** Design Problems ***
REVIEW REQUIRED

Overlapping plates

Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [6:0-1-0,0-0-0], [8:0-1-14,0-1-8], [11:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.16	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.31	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.15	8-9	>999	240	Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T3,T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W1: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Sheathed, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-10, 5-9

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

REACTIONS. (lb/size) 6=1193/0-3-8 (min. 0-1-8), 12=1151/0-3-8 (min. 0-1-8)
Max Horz 12=-468(LC 8)
Max Uplift6=-535(LC 13), 12=-472(LC 12)
Max Grav 6=1393(LC 20), 12=1320(LC 19)

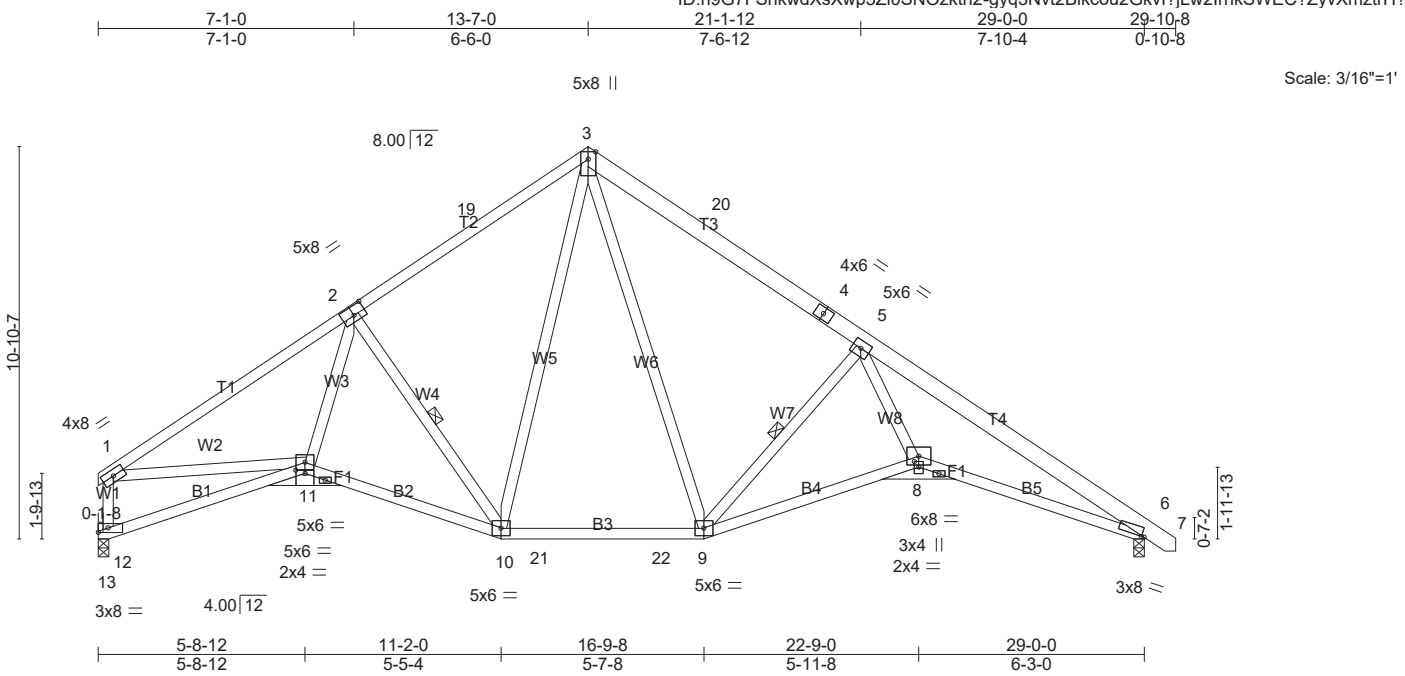
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2252/812, 2-19=-1284/655, 3-19=-1181/691, 3-20=-1300/725, 4-20=-1316/702, 4-5=-1426/677, 5-6=-3337/1035, 1-12=-1373/600
BOT CHORD 11-12=-467/591, 10-11=-678/1929, 10-21=-170/1055, 21-22=-170/1055, 9-22=-170/1055, 8-9=-561/1990, 6-8=-727/2808
WEBS 2-11=-259/1021, 2-10=-1115/704, 3-10=-316/562, 3-9=-423/796, 5-9=-1461/823, 5-8=-369/1841, 1-11=-405/1594

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-8-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 6, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=535, 12=472.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	H&H/JORDAN / A2/ BASE + COP
2868919	A07	ROOF SPECIAL	3	1	Job Reference (optional)

8.420 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 19 08:48:30 2022 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-gyq3Nvt2Bikcou2GkvI?jLw2IrhkSWEC?ZyvXmztrH?



*** Design Problems ***
REVIEW REQUIRED

Overlapping plates

Plate Offsets (X,Y)-- [2:0-4-0,0-3-0], [6:0-1-0,0-0-0], [8:0-1-14,0-1-8], [11:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.16	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.31	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.20	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.15	8-9	>999	240	Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* T3,T4: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W1: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Sheathed, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-10, 5-9

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

REACTIONS. (lb/size) 6=1193/0-3-8 (min. 0-1-8), 12=1151/0-3-8 (min. 0-1-8)
Max Horz 12=-468(LC 8)
Max Uplift6=-535(LC 13), 12=-472(LC 12)
Max Grav 6=1393(LC 20), 12=1320(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2252/812, 2-19=-1284/655, 3-19=-1181/691, 3-20=-1300/725, 4-20=-1316/702, 4-5=-1426/677, 5-6=-3337/1035, 1-12=-1373/600
BOT CHORD 11-12=-467/591, 10-11=-678/1929, 10-21=-170/1055, 21-22=-170/1055, 9-22=-170/1055, 8-9=-561/1990, 6-8=-727/2808
WEBS 2-11=-259/1021, 2-10=-1115/704, 3-10=-316/562, 3-9=-423/796, 5-9=-1461/823, 5-8=-369/1841, 1-11=-405/1594

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 13-7-0, Exterior(2R) 13-7-0 to 16-7-0, Interior(1) 16-7-0 to 29-8-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 6, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=535, 12=472.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2