Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	A1	ROOF SPECIAL	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:20 2024 Page 1
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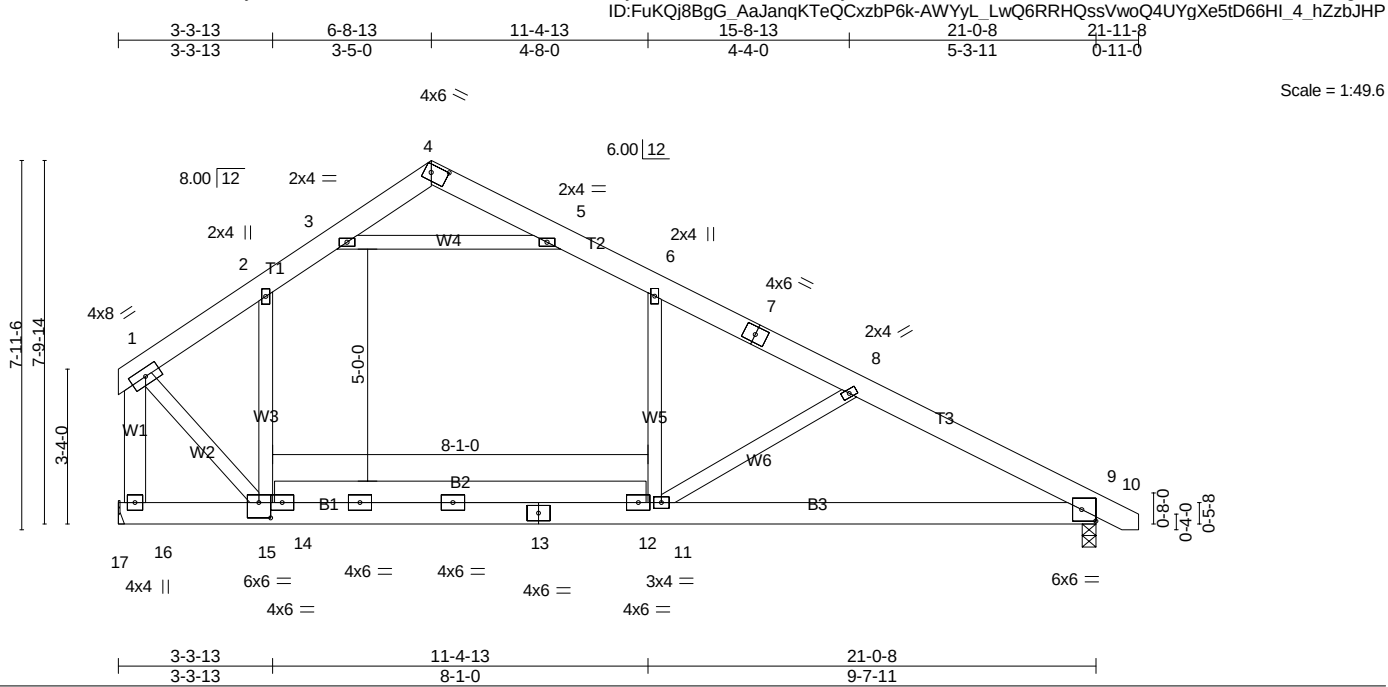

Plate Offsets (X,Y)-- [4:0-4-3,0-2-0], [9:Edge,0-3-0], [15:0-3-0,0-4-0]

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	0.50	Vert(LL)	-0.20	11-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.38	11-20	>647	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.16	11-20	>999	240	Weight: 167 lb	FT = 25%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 16=834/Mechanical, 9=872/0-3-8 (min. 0-1-8)
Max Horz 16=-179(LC 8)
Max Uplift16=-40(LC 13), 9=-67(LC 13)
Max Grav 16=969(LC 19), 9=885(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-21=-914/209, 2-21=-843/214, 2-3=-823/287, 5-22=-740/245, 6-22=-749/238, 6-7=-934/205, 7-8=-1023/196, 8-23=-1322/303, 9-23=-1405/290, 1-16=-1411/303
BOT CHORD 14-15=-16/827, 13-14=-16/812, 12-13=-25/827, 11-12=-16/827, 9-11=-192/1256
WEBS 1-15=-228/1300, 6-11=0/417, 3-5=-932/248, 8-11=-599/229

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-6-14, Interior(1) 4-6-14 to 6-8-13, Exterior(2) 6-8-13 to 11-1-9, Interior(1) 11-1-9 to 21-9-6 zone;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 30.0psf 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) 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(s) 16, 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	A1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:21 2024 Page 1

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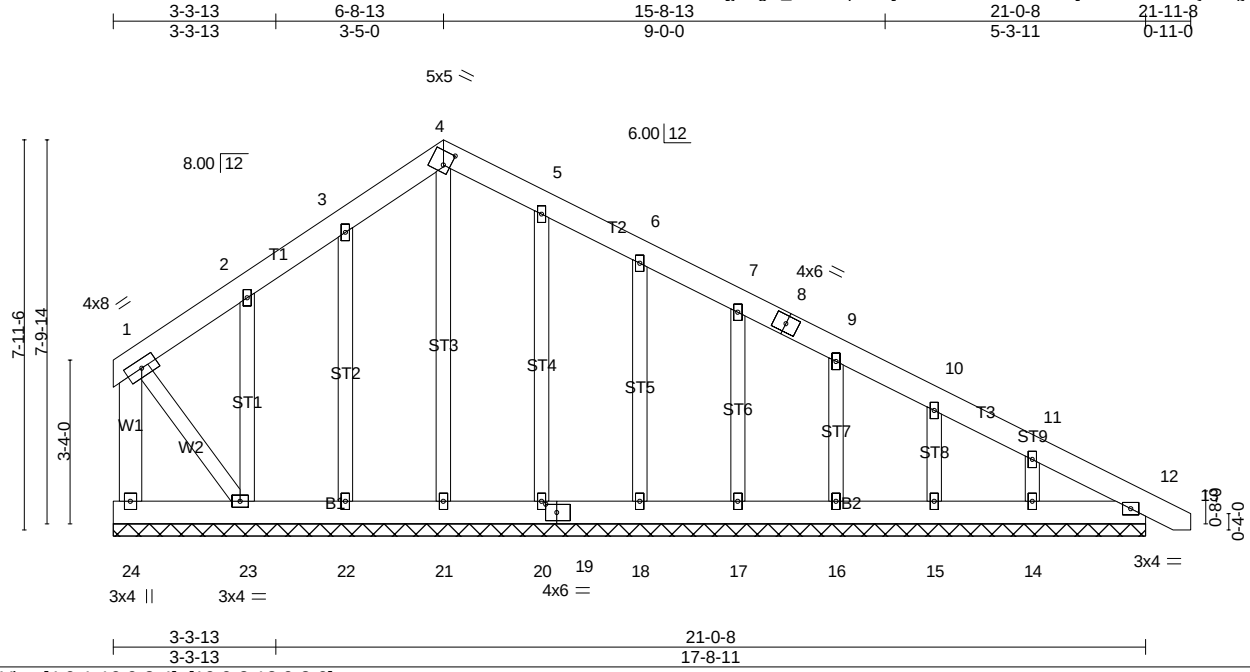

Plate Offsets (X,Y)-- [4:0-1-10,0-3-4], [19:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 176 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except* W2: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

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

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

REACTIONS. All bearings 21-0-8.

(lb) - Max Horz 24=-180(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 24, 22, 20, 18, 17, 16, 15, 14 except 23=-105(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 24, 12, 21, 22, 20, 18, 17, 16, 15, 14 except 23=253(LC 19)

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

BOT CHORD 23-24=-59/264

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Corner(3) 0-4-4 to 4-8-13, Exterior(2) 4-8-13 to 6-8-13, Corner(3) 6-8-13 to 11-1-9, Exterior(2) 11-1-9 to 21-9-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf 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 100 lb uplift at joint(s) 24, 22, 20, 18, 17, 16, 15, 14 except (jt=lb) 23=105.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	A2	ROOF SPECIAL	10	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:22 2024 Page 1
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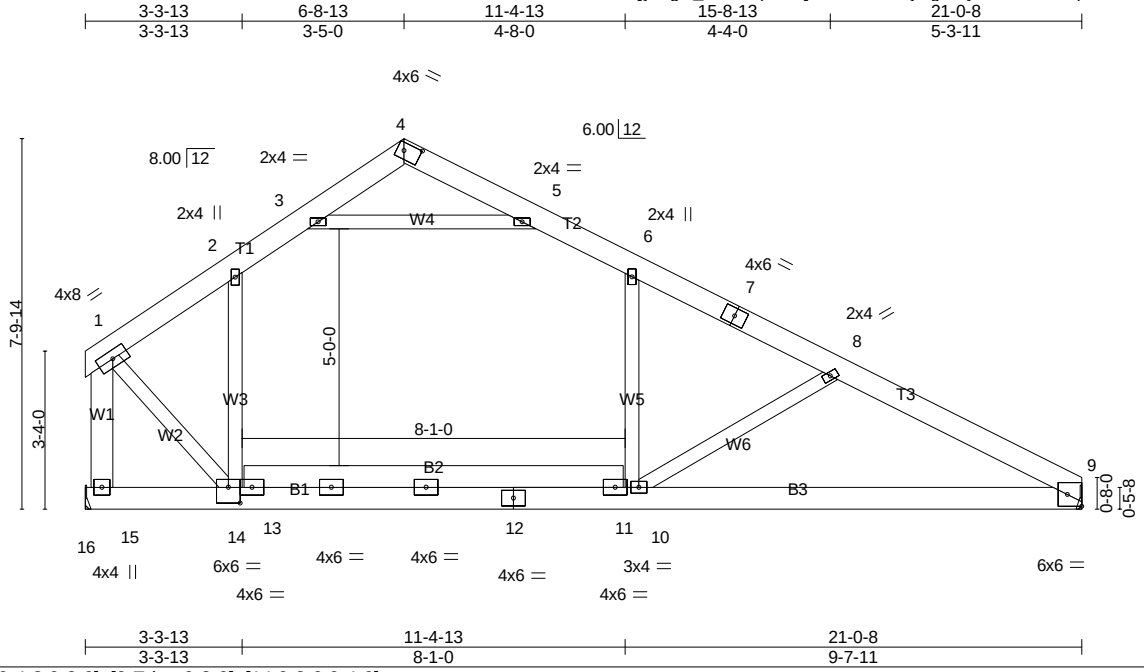

Plate Offsets (X,Y)-- [4:0-4-3,0-2-0], [9:Edge,0-3-0], [14:0-3-0,0-4-0]

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	0.50	Vert(LL)	-0.20	10-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.38	10-19	>645	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.16	10-19	>999	240	Weight: 165 lb	FT = 25%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 15=835/Mechanical, 9=827/Mechanical
Max Horz 15=-173(LC 8)
Max Uplift15=-40(LC 13), 9=-57(LC 13)
Max Grav 15=970(LC 19), 9=850(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=-915/209, 2-20=-844/215, 2-3=-824/287, 5-21=-740/246, 6-21=-750/239, 6-7=-935/212, 7-8=-1024/202, 8-22=-1326/322, 9-22=-1409/309, 1-15=-1413/304
BOT CHORD 13-14=-28/824, 12-13=-28/808, 11-12=-37/823, 10-11=-28/824, 9-10=-210/1261
WEBS 1-14=-229/1302, 6-10=0/418, 3-5=-933/249, 8-10=-604/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-6-14, Interior(1) 4-6-14 to 6-8-13, Exterior(2) 6-8-13 to 11-1-9, Interior(1) 11-1-9 to 21-0-8 zone;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 30.0psf 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) 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(s) 15, 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	A2GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:22 2024 Page 1
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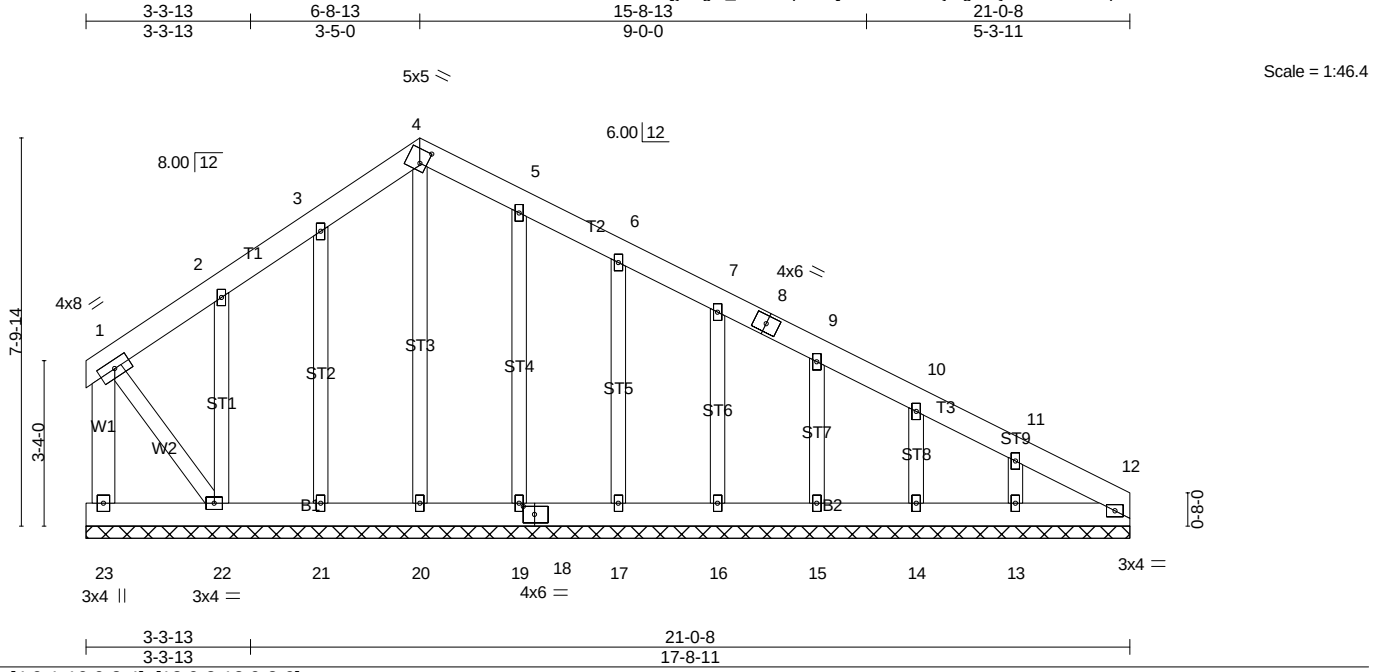

Plate Offsets (X,Y)-- [4:0-1-10,0-3-4], [18:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 173 lb	FT = 25%

LUMBER-

TOP CHORD	2x6 SP No.1
BOT CHORD	2x6 SP No.1
WEBS	2x6 SP No.1 *Except* W2: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

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

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

REACTIONS. All bearings 21-0-8.
(lb) - Max Horz 23=-230(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 21, 19, 17, 16, 15, 14 except 23=-117(LC 8), 22=-185(LC 12), 13=-100(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 23, 12, 20, 21, 19, 17, 16, 15, 14, 13 except 22=276(LC 19)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf 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 100 lb uplift at joint(s) 21, 19, 17, 16, 15, 14 except (jt=lb) 23=117, 22=185, 13=100.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	B1	COMMON	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:23 2024 Page 1

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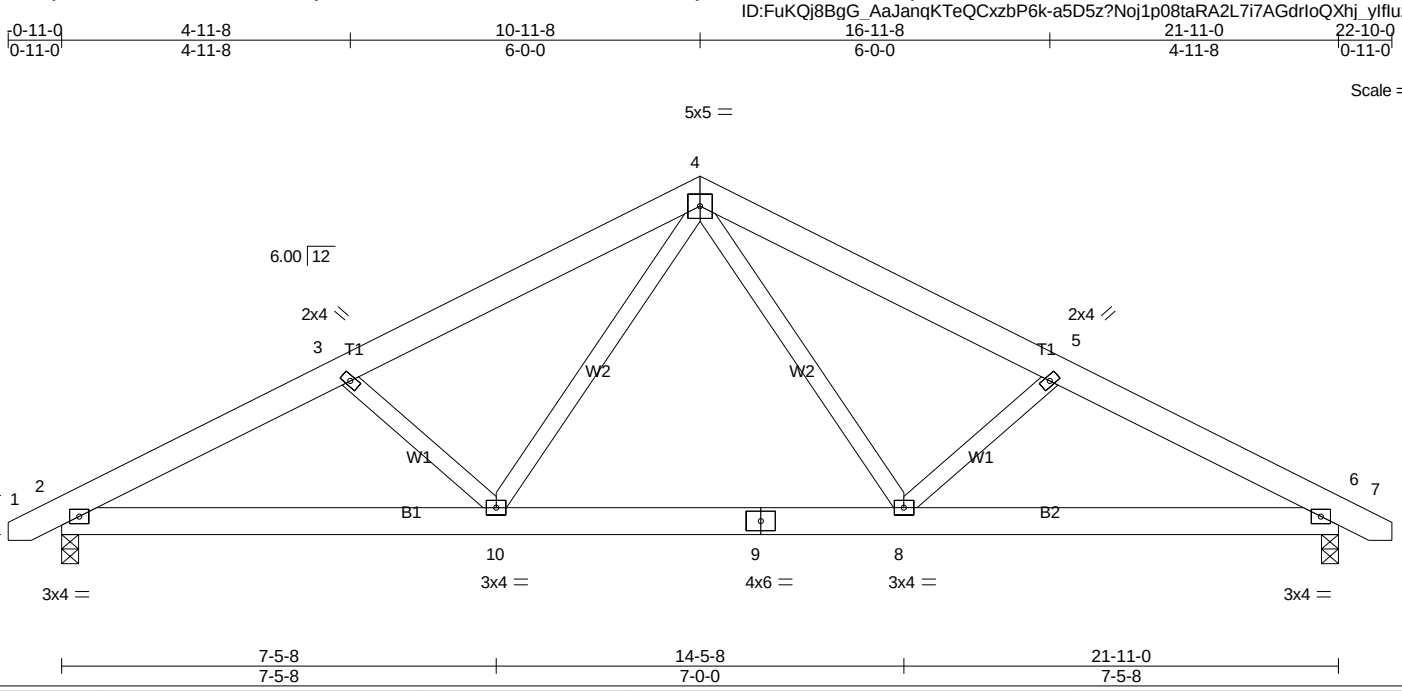

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.03	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.07	8-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	8-10	>999	240	Weight: 143 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2

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

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

REACTIONS. (lb/size) 2=920/0-3-8 (min. 0-1-8), 6=920/0-3-8 (min. 0-1-8)
Max Horz 2=-76(LC 10)
Max Uplift2=-63(LC 12), 6=-63(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-1494/374, 3-17=-1394/386, 3-18=-1283/333, 4-18=-1204/357, 4-19=-1204/357, 5-19=-1283/333, 5-20=-1394/386, 6-20=-1494/374
BOT CHORD 2-10=-256/1291, 9-10=-91/865, 8-9=-91/865, 6-8=-269/1291
WEBS 4-8=-59/423, 5-8=-320/203, 4-10=-59/423, 3-10=-320/204

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 10-11-8, Exterior(2) 10-11-8 to 15-4-5, Interior(1) 15-4-5 to 22-7-10 zone;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 30.0psf 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 100 lb uplift at joint(s) 2, 6.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	B1GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:24 2024 Page 1
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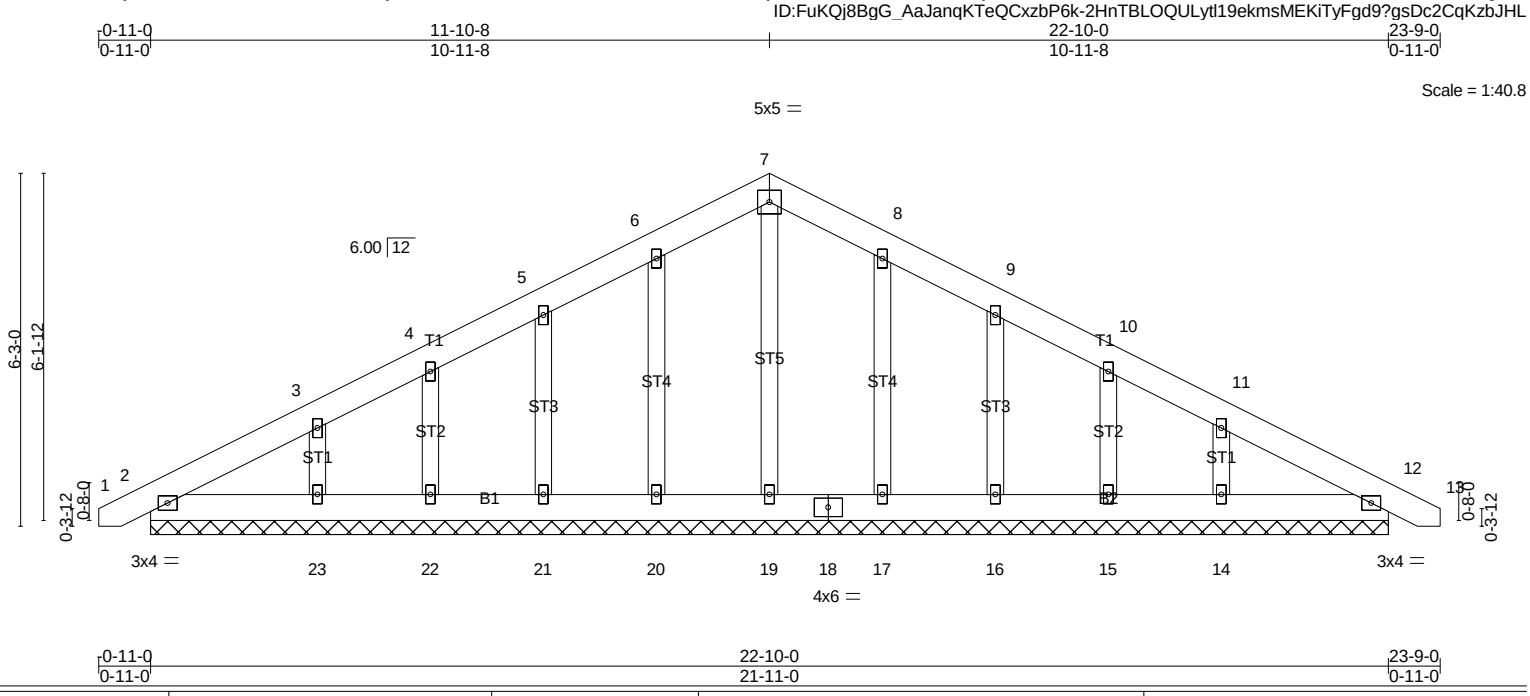

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 154 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. All bearings 21-11-0.
(lb) - Max Horz 2=118(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 20, 21, 22, 17, 16, 15 except 23=-109(LC 12), 14=-106(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 19, 20, 21, 22, 23, 17, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 30.0psf 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 100 lb uplift at joint(s) 2, 12, 20, 21, 22, 17, 16, 15 except (jt=lb) 23=109, 14=106.
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.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	B1-GR	Common Girder	1	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry — Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:24 2024 Page 1
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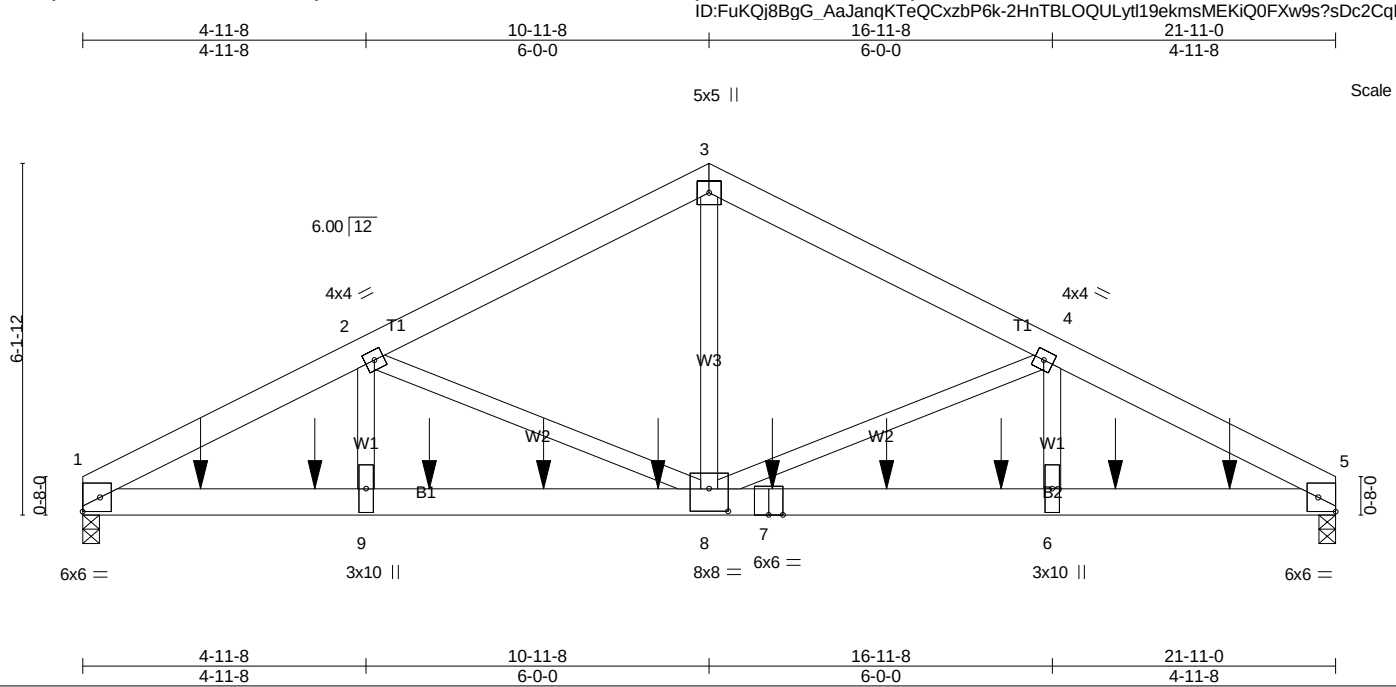

Plate Offsets (X,Y)-- [1:Edge,0-3-0], [5:Edge,0-3-0], [8:0-4-0,0-4-12]

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	0.22	Vert(LL)	-0.11	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.21	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.61	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.08	8-9	>999	240	Weight: 284 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=4878/0-3-8 (min. 0-2-0), 5=4950/0-3-8 (min. 0-2-1)
Max Horz 1=-71(LC 23)
Max Uplift1=-394(LC 8), 5=-400(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8750/718, 2-3=-6104/527, 3-4=-6105/527, 4-5=-8757/719
BOT CHORD 1-16=-655/7741, 16-17=-655/7741, 9-17=-655/7741, 9-18=-655/7741, 18-19=-655/7741, 19-20=-655/7741, 8-20=-655/7741, 7-8=-591/7751, 7-21=-591/7751, 21-22=-591/7751, 6-22=-591/7751, 6-23=-591/7751, 23-24=-591/7751, 5-24=-591/7751
WEBS 3-8=-359/4986, 4-8=-2571/306, 4-6=-108/2079, 2-8=-2560/304, 2-9=-107/2080

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered 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 roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf 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 100 lb uplift at joint(s) except (jt=lb) 1=394, 5=400.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 826 lb down and 77 lb up at 2-0-12, 826 lb down and 77 lb up at 4-0-12, 826 lb down and 77 lb up at 6-0-12, 826 lb down and 77 lb up at 8-0-12, 826 lb down and 77 lb up at 10-0-12, 826 lb down and 77 lb up at 12-0-12, 826 lb down and 77 lb up at 14-0-12, 826 lb down and 77 lb up at 16-0-12, and 826 lb down and 77 lb up at 18-0-12, and 826 lb down and 77 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 10-13=-20
   Concentrated Loads (lb)
      Vert: 7=-807(B) 16=-807(B) 17=-807(B) 18=-807(B) 19=-807(B) 20=-807(B) 21=-807(B) 22=-807(B) 23=-807(B) 24=-807(B)

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	C1-GR	FLAT GIRDER	1	3	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:25 2024 Page 1
ID:FuKQj8BgG_AaJanqKTeQCxzbP6k-WTLrOhP2Ff4kNBkqITObnYFbZfx1uFg0SGnlNnzbJHK

5-2-5	10-0-15	14-11-8	19-10-1	24-8-11	29-11-0
5-2-5	4-10-10	4-10-10	4-10-10	4-10-10	5-2-5

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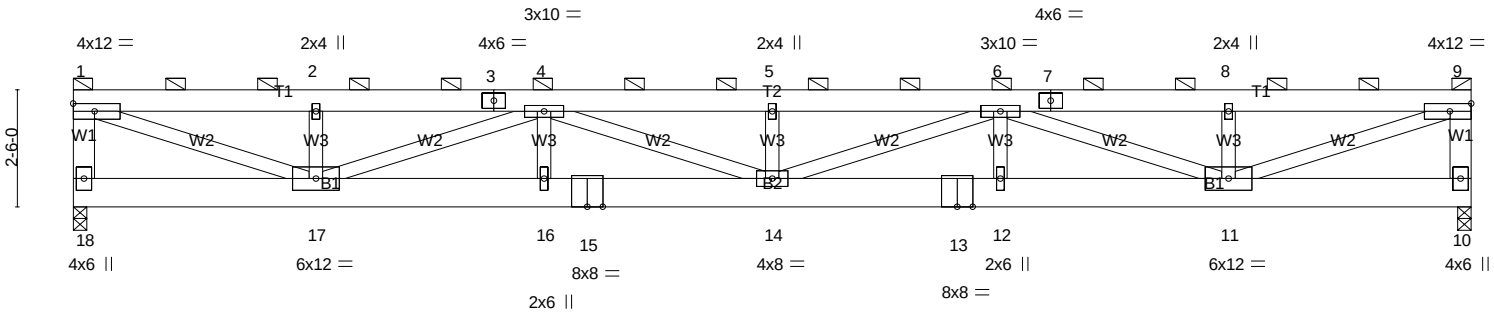

5-2-5	10-0-15	14-11-8	19-10-1	24-8-11	29-11-0
5-2-5	4-10-10	4-10-10	4-10-10	4-10-10	5-2-5

LOADING (psf)		**SPACING-**	8-6-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.26	14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.33	Vert(CT)	-0.52	14	>677	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.21	14	>999	240	Weight: 667 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP 2400F 2.0E
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2 *Except*
W1: 2x6 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 18=5008/0-3-8 (min. 0-1-8), 10=5008/0-3-8 (min. 0-1-8)
Max Uplift18=-538(LC 8), 10=-538(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-4510/1190, 1-19=-10212/2228, 2-19=-10212/2228, 2-3=-10212/2228, 3-4=-10212/2228, 4-5=-18286/3831, 5-6=-18286/3831, 6-7=-10212/2228, 7-8=-10212/2228, 8-20=-10212/2228, 9-20=-10212/2228, 9-10=-4510/1190
BOT CHORD 17-18=-172/665, 16-17=-3508/16527, 15-16=-3508/16527, 14-15=-3508/16527, 13-14=-3508/16527, 12-13=-3508/16527, 11-12=-3508/16527, 10-11=-172/665
WEBS 1-17=-2211/10271, 2-17=-1152/672, 4-17=-6809/1443, 4-16=0/895, 4-14=-402/1896, 5-14=-1162/577, 6-14=-402/1896, 6-12=0/895, 6-11=-6809/1443, 8-11=-1152/672, 9-11=-2211/10271

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 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) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-7-9, Interior(1) 4-7-9 to 29-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf 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 100 lb uplift at joint(s) except (jt=lb) 18=538, 10=538.
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	The Bradford Plan
J0324-1480	C2-GR	FLAT GIRDER	1	3	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:26 2024 Page 1
ID:FuKQj8BgG_AaJanqKTeQCxzbP6k-_fvEb1Ph0yCa?LJ0sBvqKlnk73FUdnj9gwXJvDzbJHJ

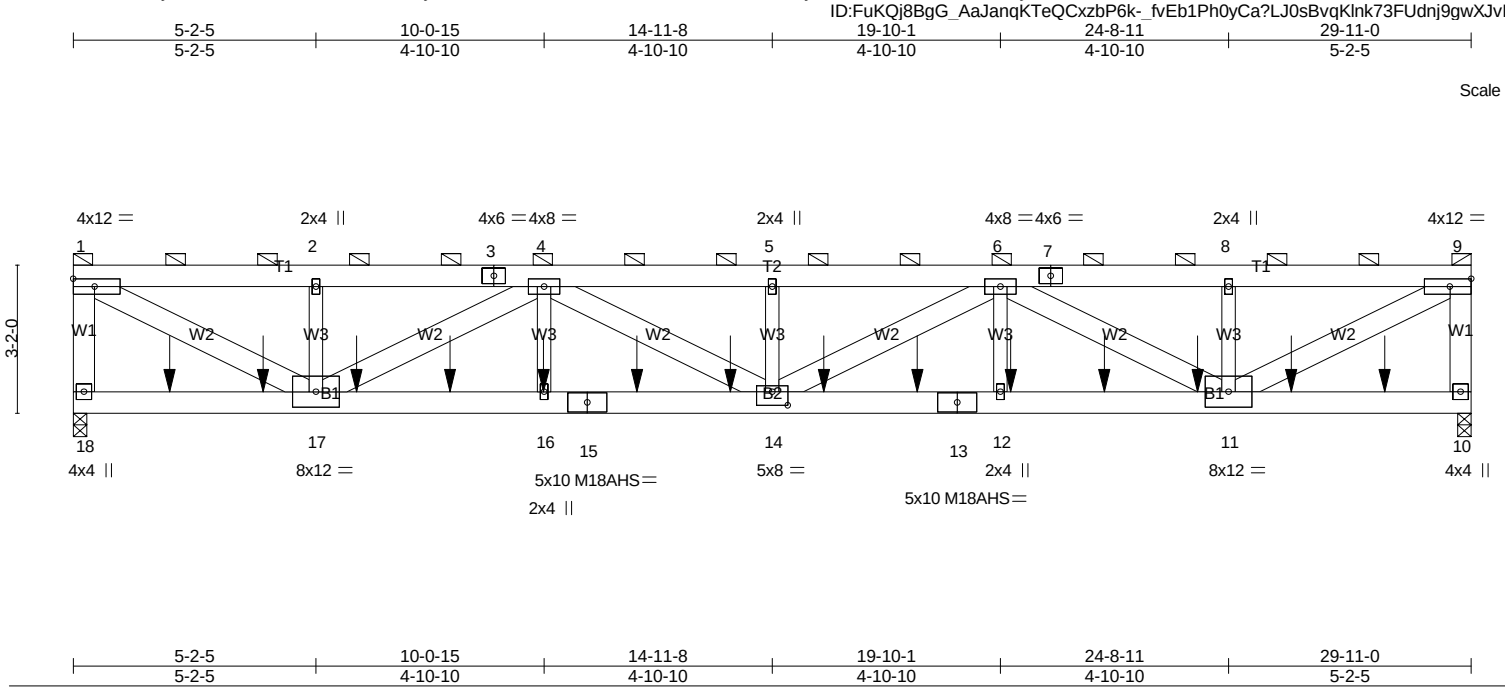

Plate Offsets (X,Y)-- [14:0-4-0,0-3-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.27	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.49	12-14	>721	240	M18AHS	186/179
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.53	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.16	14	>999	240	Weight: 716 lb	FT = 25%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x6 SP No.1 *Except*
W3: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-9, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 18=6499/0-3-8 (min. 0-2-0), 10=6567/0-3-8 (min. 0-2-1)
Max Uplift 18=-419(LC 4), 10=-423(LC 4)
Max Grav 18=7338(LC 2), 10=7418(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-6551/397, 1-2=-11965/679, 2-3=-11965/679, 3-4=-11965/679, 4-5=-21143/1199, 5-6=-21143/1199, 6-7=-11951/678, 7-8=-11951/678, 8-9=-11951/678, 9-10=-6539/396
BOT CHORD 18-19=-17/292, 19-20=-17/292, 17-20=-17/292, 17-21=-1074/18896, 21-22=-1074/18896, 16-22=-1074/18896, 15-16=-1074/18896, 15-23=-1074/18896, 23-24=-1074/18896, 14-24=-1074/18896, 14-25=-1073/18895, 25-26=-1073/18895, 13-26=-1073/18895, 12-13=-1073/18895, 12-27=-1073/18895, 27-28=-1073/18895, 11-28=-1073/18895, 11-29=-18/302, 29-30=-18/302, 10-30=-18/302
WEBS 1-17=-754/13298, 4-17=-7926/452, 4-16=-80/2373, 4-14=-144/2570, 6-14=-144/2571, 6-12=-80/2380, 6-11=-7940/453, 9-11=-752/13270

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
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 30.0psf 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 100 lb uplift at joint(s) except (jt=lb) 18=419, 10=423.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 956 lb down and 53 lb up at 2-0-12, 956 lb down and 53 lb up at 4-0-12, 956 lb down and 53 lb up at 6-0-12, 956 lb down and 53 lb up at 8-0-12, 956 lb down and 53 lb up at 10-0-12, 956 lb down and 53 lb up at 12-0-12, 956 lb down and 53 lb up at 14-0-12, 956 lb down and 53 lb up at 16-0-12, 956 lb down and 53 lb up at 18-0-12, 956 lb down and 53 lb up at 20-0-12, 955 lb down and 53 lb up at 22-0-12, 955 lb down and 53 lb up at 24-0-12, and 955 lb down and 53 lb up at 26-0-12, and 955 lb down and 53 lb up at 28-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-9=-40, 10-18=-13
   Concentrated Loads (lb)
      Vert: 16=-821(F) 12=-821(F) 19=-821(F) 20=-821(F) 21=-821(F) 22=-821(F) 23=-821(F) 24=-821(F) 25=-821(F) 26=-821(F) 27=-821(F) 28=-821(F) 29=-821(F) 30=-821(F)

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	ET1	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:28 2024 Page 1
ID:FuKQj8BgG_AaJanqKTeQCxzbP6k-x21_0jRxYaSIEfTPzbxIPAt9Ss2l5p2S8E0Q_6zbJHH

0-1-8

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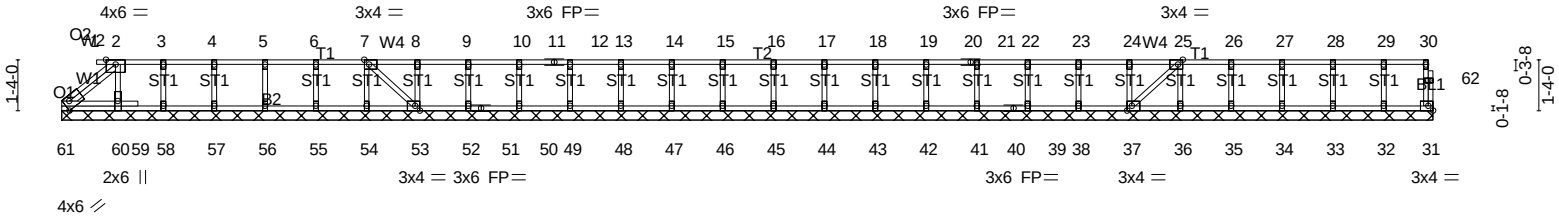


2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-8-0	16-0-0	17-4-0	18-8-0	20-0-0	21-4-0	22-8-0	24-0-0	25-4-0	26-8-0	28-0-0	29-4-0	30-8-0	32-0-0	33-4-0	34-8-0	35-11-8
2-8-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-3-8

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [25:0-1-8,Edge], [37:0-1-8,Edge], [53:0-1-8,Edge], [61:Edge,0-2-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	53	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 165 lb	FT = 20%F, 11%E

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 35-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 31, 60, 61, 58, 57, 56, 55, 54, 53, 52, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33, 32

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 1-4-0 oc.
5) 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.
6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

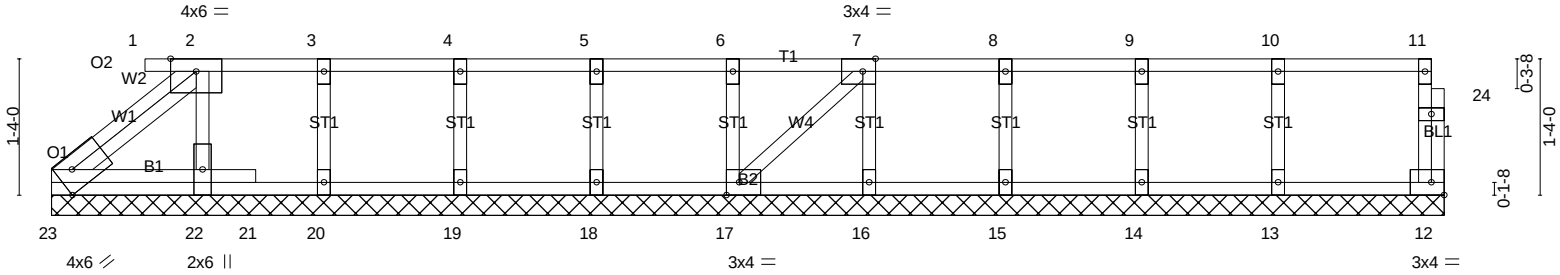
Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	ET2	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:28 2024 Page 1
ID:FuKQj8BgG_AaJanqKTeQCxzbP6k-x21_0jRxYaSIEfTPzbxIPAt8As2k5pzS8E0Q_6zbJHH

0-1-8

Scale = 1:22.5



2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-7-8
2-8-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-7-8

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [17:0-1-8,Edge], [23:Edge,0-2-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 69 lb	FT = 20%F, 11%E

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 13-7-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 22, 23, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 1-4-0 oc.
5) 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.
6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	ET3	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:29 2024 Page 1
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0-1-8

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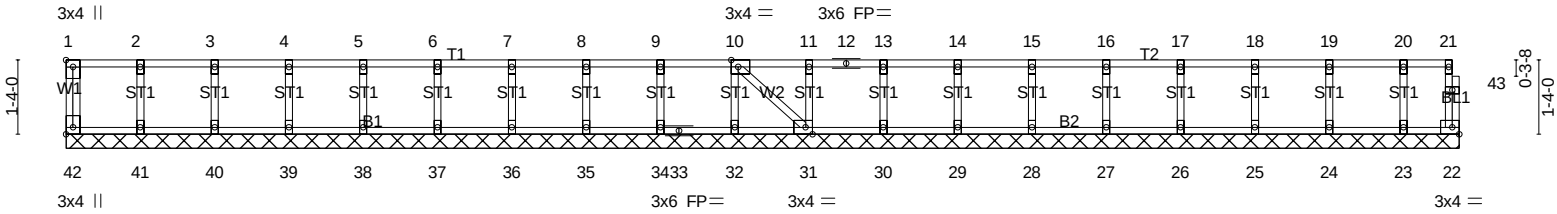

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1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-4-0 | 1-0-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [31:0-1-8,Edge], [42:Edge,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	22	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 112 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

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

REACTIONS. All bearings 25-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 42, 22, 41, 40, 39, 38, 37, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 1-4-0 oc.
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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F1	Floor	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:30 2024 Page 1
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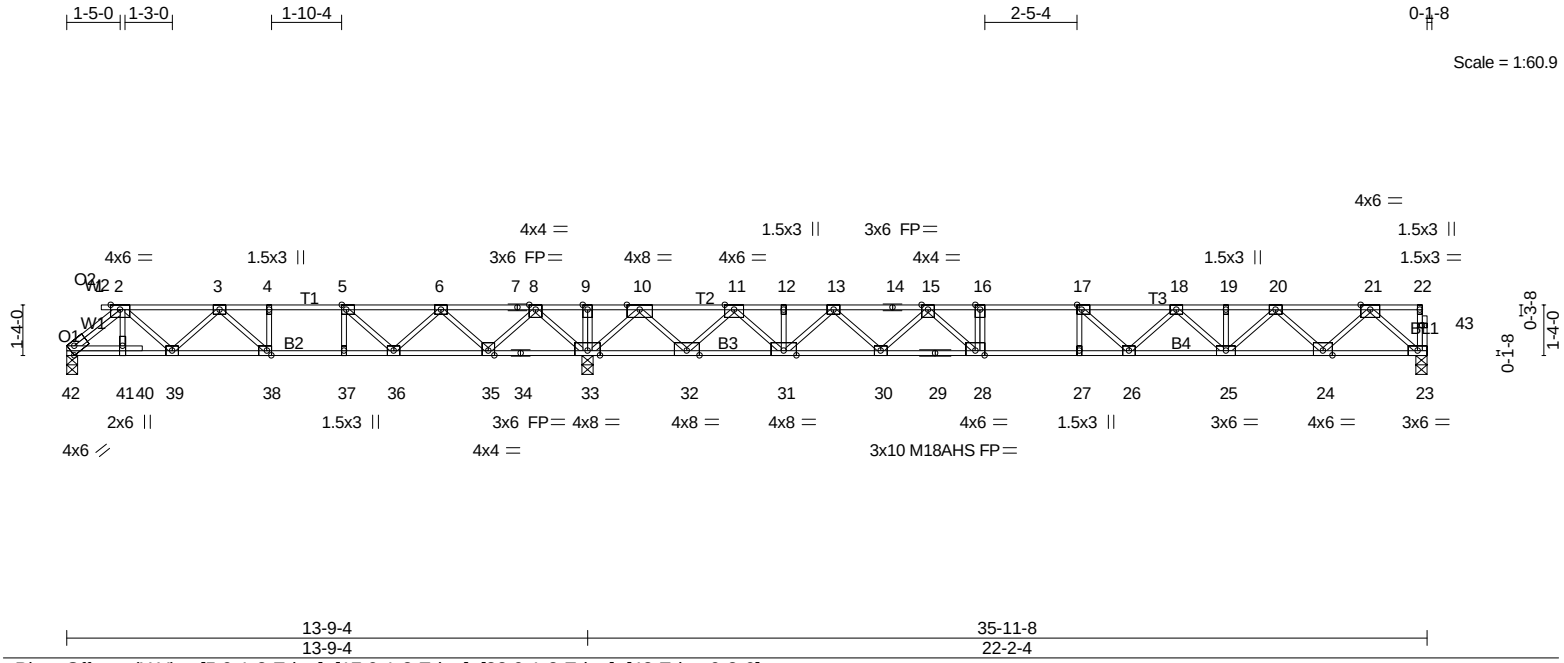

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [17:0-1-8,Edge], [38:0-1-8,Edge], [42:Edge,0-2-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.34	27	>788	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.46	27	>579	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.05	23	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 191 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 42=385/0-3-8 (min. 0-1-8), 33=2429/0-3-8 (min. 0-1-8), 23=1029/0-3-8 (min. 0-1-8)
Max Uplift42=-51(LC 4)
Max Grav 42=547(LC 3), 33=2429(LC 1), 23=1058(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1031/143, 3-4=-1446/677, 4-5=-1446/677, 5-6=-1093/1150, 6-7=-162/1843, 7-8=-162/1843, 8-9=0/3233, 9-10=0/3233, 10-11=0/716, 11-12=-1897/0, 12-13=-1897/0, 13-14=-3228/0, 14-15=-3228/0, 15-16=-4188/0, 16-17=-4188/0, 17-18=-4050/0, 18-19=-3329/0, 19-20=-3329/0, 20-21=-1968/0
BOT CHORD 41-42=-85/634, 40-41=-92/632, 39-40=-87/634, 38-39=-317/1375, 37-38=-677/1446, 36-37=-677/1446, 35-36=-1500/758, 34-35=-2224/0, 33-34=-2224/0, 32-33=-1736/0, 31-32=-275/992, 30-31=0/2706, 29-30=0/3756, 28-29=0/3756, 27-28=0/4188, 26-27=0/4188, 25-26=0/3835, 24-25=0/2753, 23-24=0/1152
WEBS 2-42=-823/111, 2-39=-74/529, 3-39=-479/243, 3-38=-526/96, 8-33=-1465/0, 8-35=0/1084, 6-35=-1038/0, 6-36=0/744, 5-36=-970/0, 5-37=0/310, 10-33=-1993/0, 10-32=0/1598, 11-32=-1573/0, 11-31=0/1275, 21-23=-1531/0, 21-24=0/1135, 20-24=-1092/0, 20-25=0/783, 18-25=-687/0, 18-26=0/401, 17-26=-441/246, 13-31=-1142/0, 13-30=0/762, 15-30=-787/0, 15-28=0/964, 16-28=-423/0, 17-27=-252/81

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 42.
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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F1A	Floor	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:31 2024 Page 1
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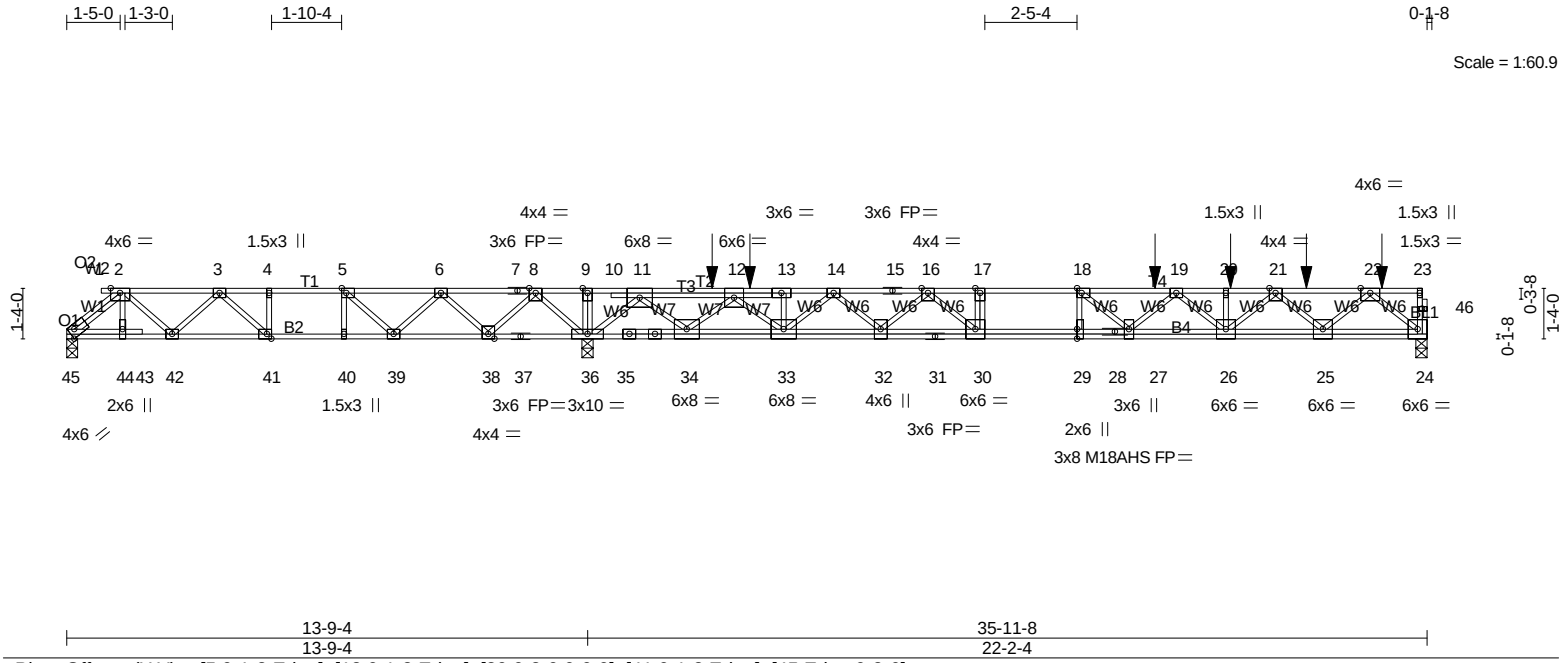

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [18:0-1-8,Edge], [29:0-3-0,0-0-0], [41:0-1-8,Edge], [45:Edge,0-2-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.30	29	>873	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.57	Vert(CT)	-0.41	29	>639	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.03	24	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 226 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 45=365/0-3-8 (min. 0-1-8), 36=2587/0-3-8 (min. 0-1-8), 24=1238/0-3-8 (min. 0-1-8)
Max Uplift45=-61(LC 4)
Max Grav 45=550(LC 17), 36=2587(LC 1), 24=1273(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1037/163, 3-4=-1462/728, 4-5=-1462/728, 5-6=-1116/1218, 6-7=-190/1935, 7-8=-190/1935, 8-9=0/3443, 9-10=0/3443, 10-11=0/3437, 11-48=-81/1017, 12-48=-81/1017, 12-49=-2368/283, 13-49=-2362/285, 13-14=-2359/283, 14-15=-3817/0, 15-16=-3817/0, 16-17=-4954/0, 17-18=-4954/0, 18-50=-4900/0, 19-50=-4900/0, 19-20=-4105/0, 20-21=-4105/0, 21-51=-2456/0, 22-51=-2456/0
BOT CHORD 44-45=-98/638, 43-44=-105/636, 42-43=-100/639, 41-42=-350/1386, 40-41=-728/1462, 39-40=-728/1462, 38-39=-1581/785, 37-38=-2434/0, 36-37=-2434/0, 35-36=-1918/0, 34-35=-1919/0, 33-34=-729/1415, 32-33=0/3237, 31-32=0/4452, 30-31=0/4452, 29-30=0/4954, 28-29=0/4954, 27-28=0/4954, 26-27=0/4687, 25-26=0/3424, 24-25=0/1458
WEBS 2-45=-829/127, 9-36=-273/0, 2-42=-84/533, 3-42=-485/260, 3-41=-554/104, 8-36=-1463/0, 8-38=0/1107, 6-38=-1069/0, 6-39=0/773, 5-39=-997/0, 5-40=0/321, 11-36=-2002/0, 11-34=0/1792, 12-34=-1814/0, 12-33=0/1430, 22-24=-1895/0, 22-25=0/1354, 21-25=-1314/0, 21-26=0/904, 19-26=-773/0, 19-27=-71/340, 18-27=-358/482, 14-33=-1216/0, 14-32=0/840, 16-32=-946/0, 16-30=0/1047, 17-30=-270/0, 18-29=-517/54

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 45.
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.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 302 lb up at 17-0-12 on top 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

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 24-45=-10, 1-23=-100
   Concentrated Loads (lb)
      Vert: 20=-63 48=-33(B) 49=-63 50=-63 51=-63 52=-63

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F2	Floor	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:31 2024 Page 1
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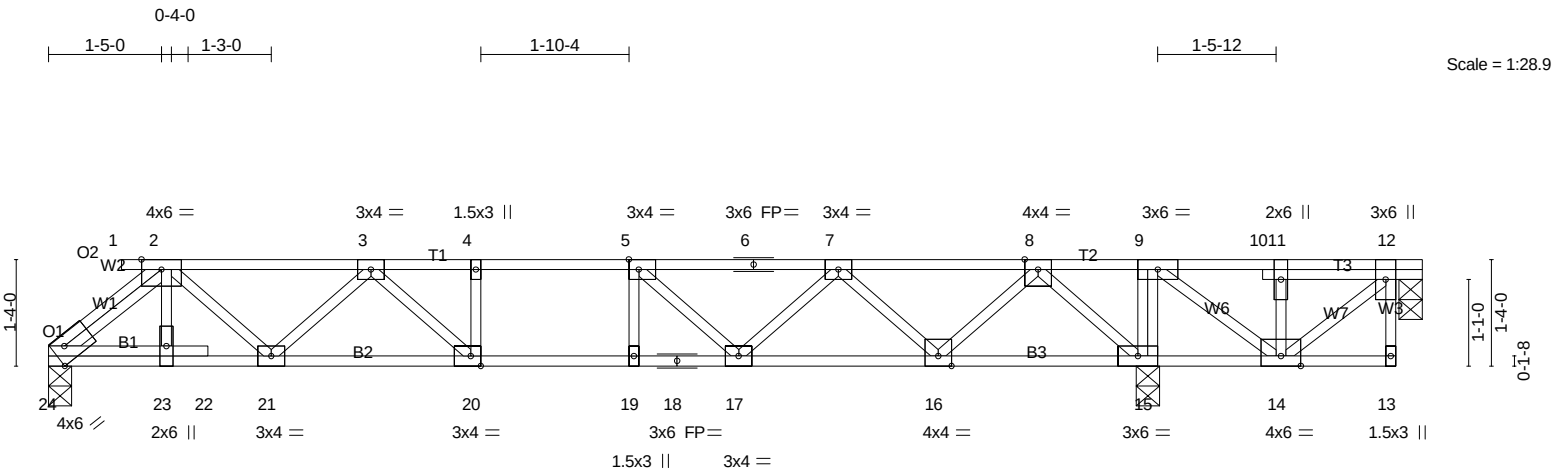

13-9-4 | 16-10-8 | 17-2-8
13-9-4 | 3-1-4 | 0-4-0

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [20:0-1-8,Edge], [24:Edge,0-2-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.08	20-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.10	20-21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.01	15	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 98 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 15-16,14-15.

REACTIONS. (lb/size) 24=558/0-3-8 (min. 0-1-8), 12=-339/0-3-8 (min. 0-1-8), 15=1537/0-3-8 (min. 0-1-8)
Max Uplift12=-459(LC 3)
Max Grav 24=559(LC 3), 12=32(LC 4), 15=1537(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1055/0, 3-4=-1506/0, 4-5=-1506/0, 5-6=-1175/0, 6-7=-1175/0, 7-8=-314/0, 8-9=0/1285, 9-10=0/553, 10-11=0/535, 11-12=0/553
BOT CHORD 23-24=0/648, 22-23=0/646, 21-22=0/649, 20-21=0/1414, 19-20=0/1506, 18-19=0/1506, 17-18=0/1506, 16-17=0/854, 15-16=-481/0, 14-15=-1285/0
WEBS 2-24=-842/0, 12-14=-720/0, 9-15=-738/0, 2-21=0/543, 3-21=-499/0, 3-20=-7/292, 8-15=-1202/0, 8-16=0/851, 7-16=-816/0, 7-17=0/446, 5-17=-456/0, 9-14=0/995

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 459 lb uplift at joint 12.
4) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F3	Floor	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:32 2024 Page 1
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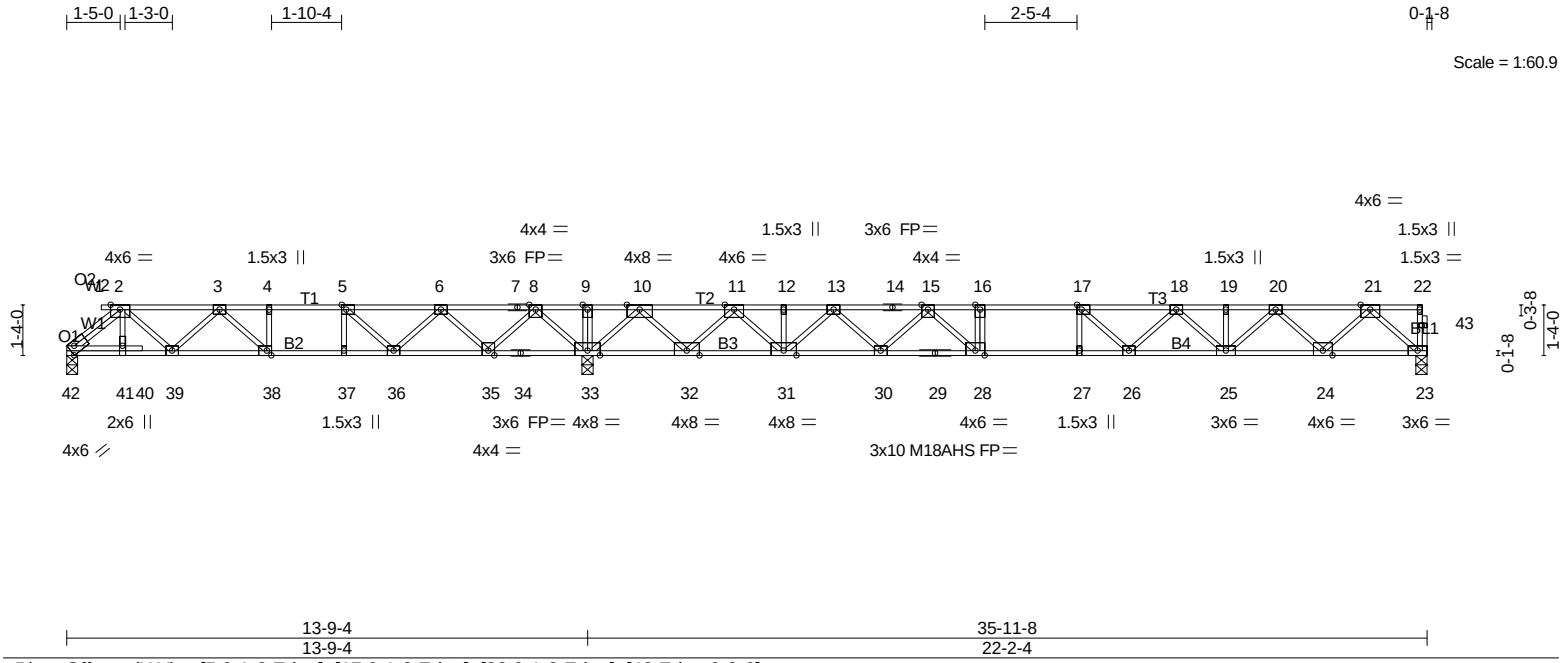

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [17:0-1-8,Edge], [38:0-1-8,Edge], [42:Edge,0-2-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.34	27	>788	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.46	27	>579	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.05	23	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 191 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 42=385/0-3-8 (min. 0-1-8), 33=2429/0-3-8 (min. 0-1-8), 23=1029/0-3-8 (min. 0-1-8)
Max Uplift42=-51(LC 4)
Max Grav 42=547(LC 3), 33=2429(LC 1), 23=1058(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1031/143, 3-4=-1446/677, 4-5=-1446/677, 5-6=-1093/1150, 6-7=-162/1843, 7-8=-162/1843, 8-9=0/3233, 9-10=0/3233, 10-11=0/716, 11-12=-1897/0, 12-13=-1897/0, 13-14=-3228/0, 14-15=-3228/0, 15-16=-4188/0, 16-17=-4188/0, 17-18=-4050/0, 18-19=-3329/0, 19-20=-3329/0, 20-21=-1968/0
BOT CHORD 41-42=-85/634, 40-41=-92/632, 39-40=-87/634, 38-39=-317/1375, 37-38=-677/1446, 36-37=-677/1446, 35-36=-1500/758, 34-35=-2224/0, 33-34=-2224/0, 32-33=-1736/0, 31-32=-275/992, 30-31=0/2706, 29-30=0/3756, 28-29=0/3756, 27-28=0/4188, 26-27=0/4188, 25-26=0/3835, 24-25=0/2753, 23-24=0/1152
WEBS 2-42=-823/111, 2-39=-74/529, 3-39=-479/243, 3-38=-526/96, 8-33=-1465/0, 8-35=0/1084, 6-35=-1038/0, 6-36=0/744, 5-36=-970/0, 5-37=0/310, 21-23=-1531/0, 21-24=0/1135, 20-24=-1092/0, 20-25=0/783, 18-25=-687/0, 18-26=0/401, 17-26=-441/246, 10-33=-1993/0, 10-32=0/1598, 11-32=-1573/0, 11-31=0/1275, 13-31=-1142/0, 13-30=0/762, 15-30=-787/0, 15-28=0/964, 16-28=-423/0, 17-27=-252/81

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 42.
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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F3A	Floor	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:33 2024 Page 1
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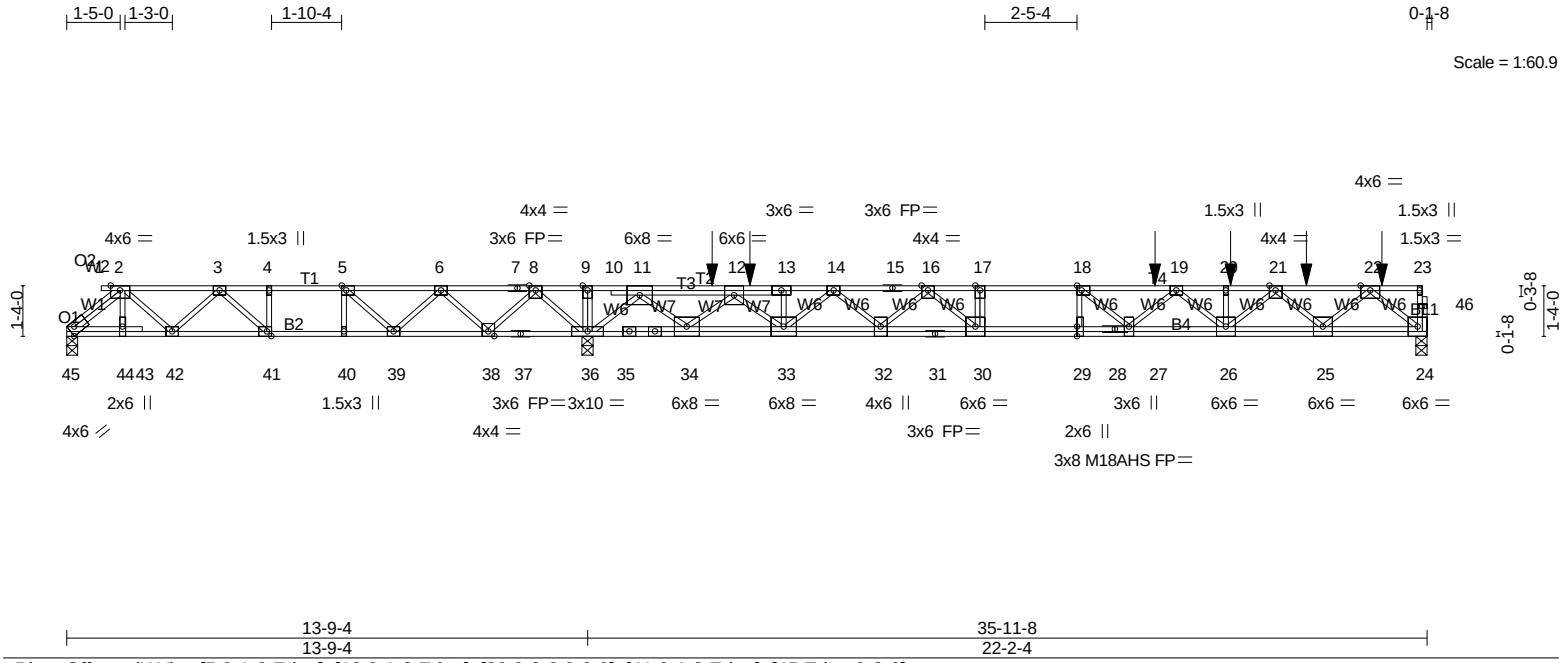

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [18:0-1-8,Edge], [29:0-3-0,0-0-0], [41:0-1-8,Edge], [45:Edge,0-2-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.30	29	>874	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.58	Vert(CT)	-0.41	29	>638	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.03	24	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 226 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 45=364/0-3-8 (min. 0-1-8), 36=2592/0-3-8 (min. 0-1-8), 24=1238/0-3-8 (min. 0-1-8)
Max Uplift45=-61(LC 4)
Max Grav 45=546(LC 17), 36=2592(LC 1), 24=1273(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1029/164, 3-4=-1442/730, 4-5=-1442/730, 5-6=-1089/1221, 6-7=-154/1939, 7-8=-154/1939, 8-9=0/3447, 9-10=0/3448, 10-11=0/3442, 11-48=-85/978, 12-48=-85/978, 12-49=-2374/226, 13-49=-2368/228, 13-14=-2365/225, 14-15=-3822/0, 15-16=-3822/0, 16-17=-4957/0, 17-18=-4957/0, 18-50=-4903/0, 19-50=-4903/0, 19-20=-4107/0, 20-21=-4107/0, 21-51=-2457/0, 22-51=-2457/0
BOT CHORD 44-45=-98/633, 43-44=-105/631, 42-43=-100/634, 41-42=-351/1373, 40-41=-730/1442, 39-40=-730/1442, 38-39=-1584/753, 37-38=-2438/0, 36-37=-2438/0, 35-36=-1918/0, 34-35=-1919/0, 33-34=-655/1423, 32-33=0/3243, 31-32=0/4457, 30-31=0/4457, 29-30=0/4957, 28-29=0/4957, 27-28=0/4957, 26-27=0/4689, 25-26=0/3425, 24-25=0/1458
WEBS 2-45=-822/127, 9-36=-272/0, 2-42=-85/528, 3-42=-478/261, 3-41=-555/94, 8-36=-1463/0, 8-38=0/1108, 6-38=-1069/0, 6-39=0/773, 5-39=-998/0, 5-40=0/321, 22-24=-1895/0, 22-25=0/1354, 21-25=-1314/0, 21-26=0/904, 19-26=-773/0, 19-27=-71/346, 18-27=-371/470, 11-36=-2009/0, 11-34=0/1797, 12-34=-1818/0, 12-33=0/1409, 14-33=-1216/0, 14-32=0/835, 16-32=-938/0, 16-30=0/1037, 17-30=-268/0, 18-29=-510/62

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 45.
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.
8) CAUTION, Do not erect truss backwards.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 118 lb down and 259 lb up at 17-0-12 on top 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

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: 24-45=-10, 1-23=-100
   Concentrated Loads (lb)
      Vert: 20=-63 48=-38(F) 49=-63 50=-63 51=-63 52=-63

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F4	Floor	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:34 2024 Page 1
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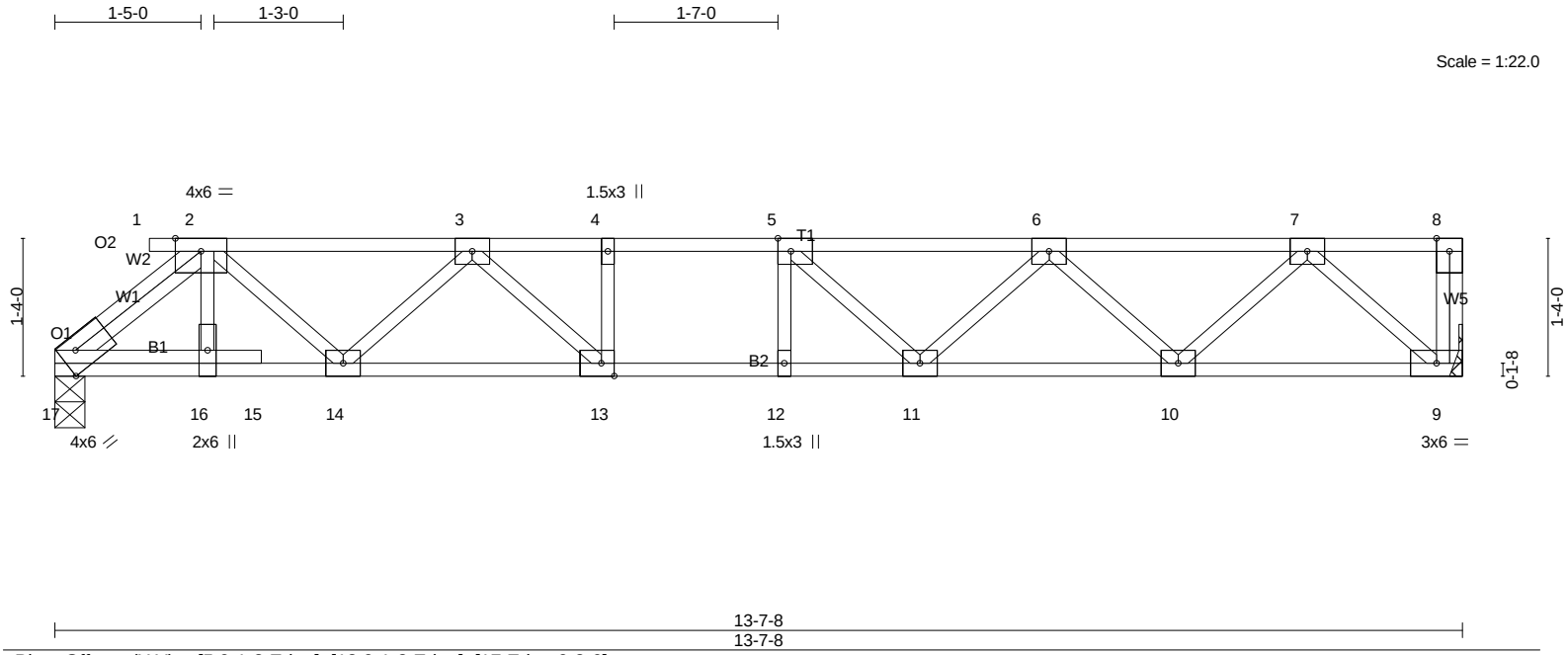

Plate Offsets (X,Y)-- [5:0-1-8,Edge], [13:0-1-8,Edge], [17:Edge,0-2-6]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.10	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.14	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 77 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 9=737/Mechanical, 17=656/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1258/0, 3-4=-2011/0, 4-5=-2011/0, 5-6=-1899/0, 6-7=-1265/0
BOT CHORD 16-17=0/771, 15-16=0/772, 14-15=0/773, 13-14=0/1739, 12-13=0/2011, 11-12=0/2011, 10-11=0/1730, 9-10=0/775
WEBS 2-17=-1001/0, 2-14=0/648, 3-14=-670/0, 3-13=0/540, 7-9=-1032/0, 7-10=0/682, 6-10=-646/0, 6-11=0/307, 5-11=-325/40

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F5	FLOOR	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:35 2024 Page 1
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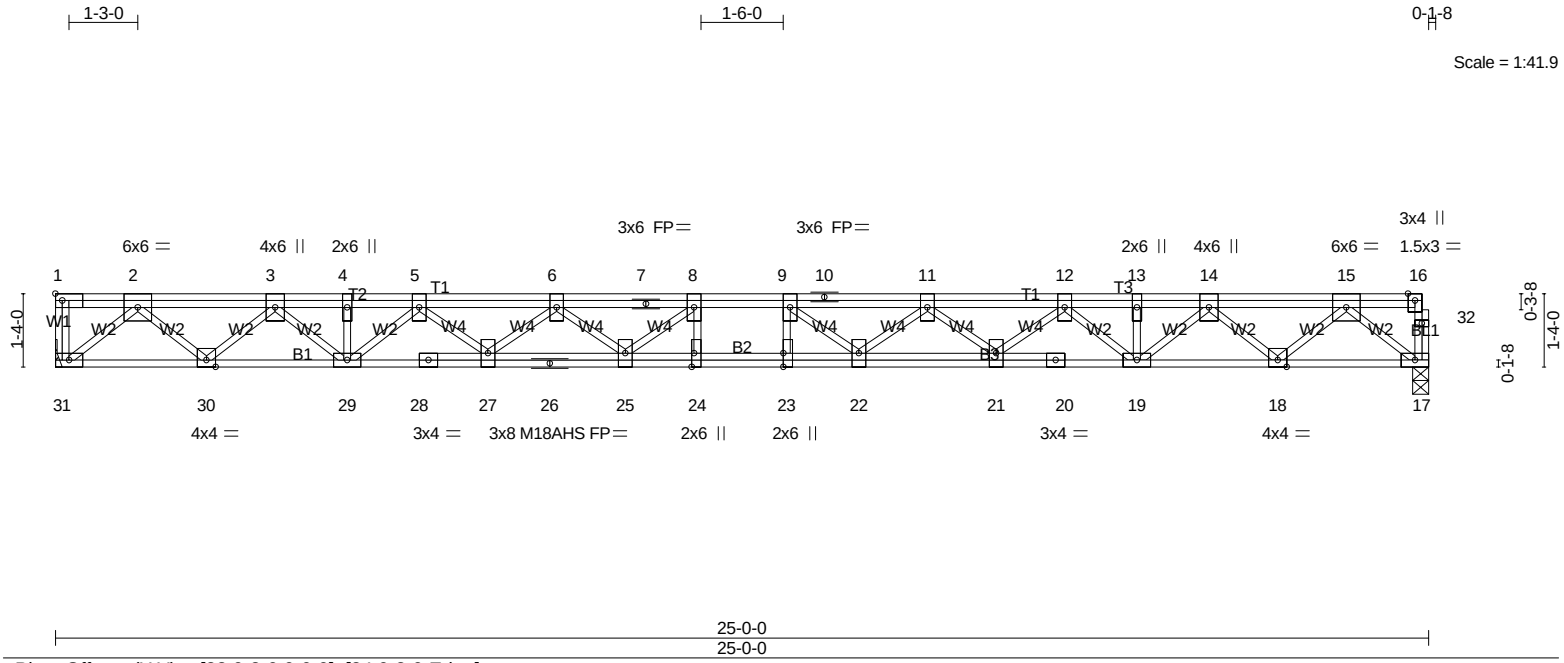

Plate Offsets (X,Y)-- [23:0-3-0,0-0-0], [24:0-3-0,Edge]

LOADING (psf)		**SPACING-**	1-4-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	-0.29	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.47	Vert(CT)	-0.41	23-24	>733	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	17	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 181 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 31=907/Mechanical, 17=903/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1826/0, 3-4=-3217/0, 4-5=-3217/0, 5-6=-4318/0, 6-7=-4980/0, 7-8=-4980/0, 8-9=-5121/0, 9-10=-4980/0, 10-11=-4980/0, 11-12=-4318/0, 12-13=-3216/0, 13-14=-3216/0, 14-15=-1826/0
BOT CHORD 30-31=0/1042, 29-30=0/2576, 28-29=0/3831, 27-28=0/3830, 26-27=0/4758, 25-26=0/4758, 24-25=0/5121, 23-24=0/5121, 22-23=0/5121, 21-22=0/4757, 20-21=0/3830, 19-20=0/3831, 18-19=0/2576, 17-18=0/1041
WEBS 2-31=-1357/0, 2-30=0/1064, 3-30=-1017/0, 3-29=0/851, 5-29=-815/0, 5-27=0/645, 6-27=-581/0, 6-25=0/421, 15-17=-1353/0, 15-18=0/1065, 14-18=-1018/0, 14-19=0/850, 12-19=-816/0, 12-21=0/645, 11-21=-581/0, 11-22=0/421, 9-22=-465/169, 8-25=-465/169

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Refer to girder(s) for truss to truss connections.
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) Required 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.
8) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F6	Floor	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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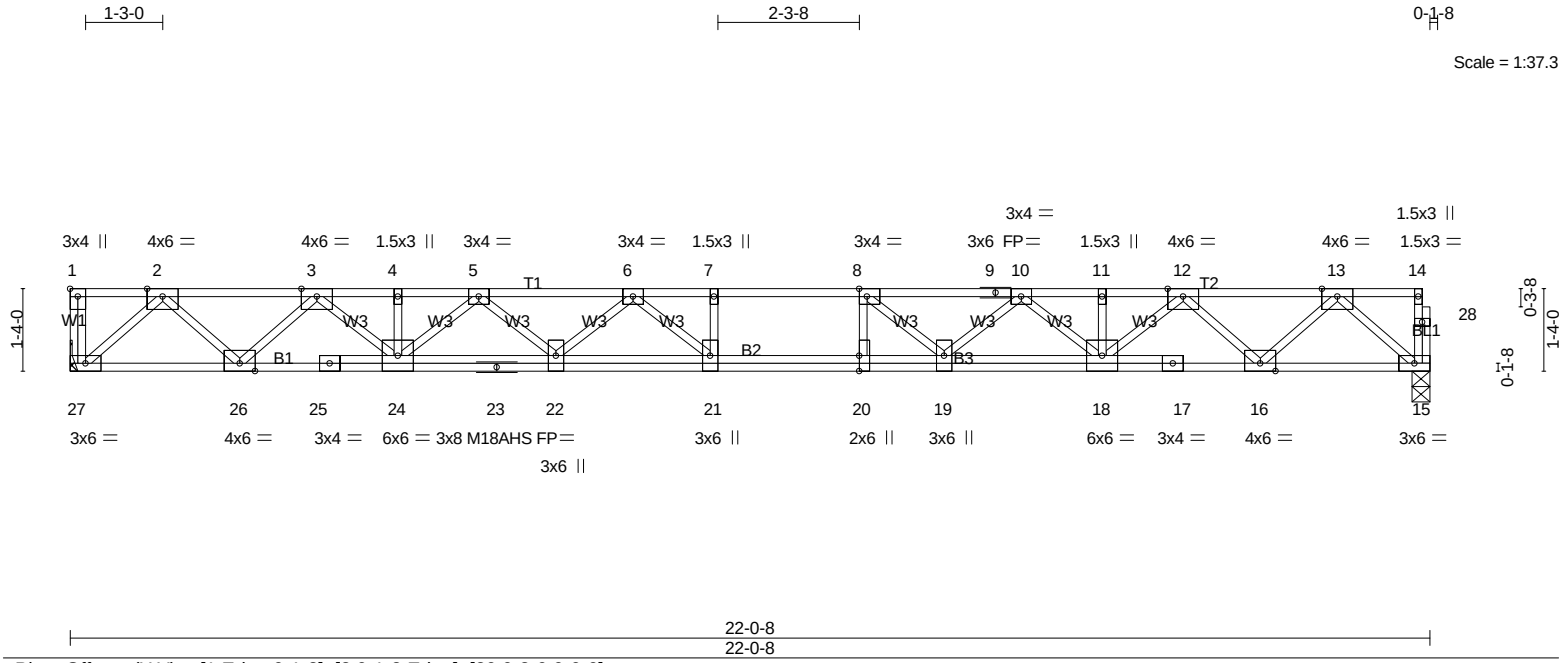

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:0-1-8,Edge], [20:0-3-0,0-0-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.44	Vert(LL)	-0.34	21	>763	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.42	Vert(CT)	-0.47	21	>554	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.06	15	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 134 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 27=1199/Mechanical, 15=1192/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2246/0, 3-4=-4040/0, 4-5=-4040/0, 5-6=-5175/0, 6-7=-5602/0, 7-8=-5602/0, 8-9=-5158/0, 9-10=-5158/0, 10-11=-4048/0, 11-12=-4048/0, 12-13=-2245/0
BOT CHORD 26-27=0/1298, 25-26=0/3222, 24-25=0/3221, 23-24=0/4750, 22-23=0/4750, 21-22=0/5501, 20-21=0/5602, 19-20=0/5602, 18-19=0/4737, 17-18=0/3224, 16-17=0/3225, 15-16=0/1297
WEBS 2-27=-1727/0, 2-26=0/1320, 3-26=-1357/0, 3-24=0/1086, 13-15=-1724/0, 13-16=0/1320, 12-16=-1362/0, 12-18=0/1093, 10-18=-914/0, 10-19=0/641, 8-19=-936/9, 5-24=-943/0, 5-22=0/577, 6-22=-550/0, 6-21=-241/586, 8-20=-236/396

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
5) 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.
6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F7	Floor	5	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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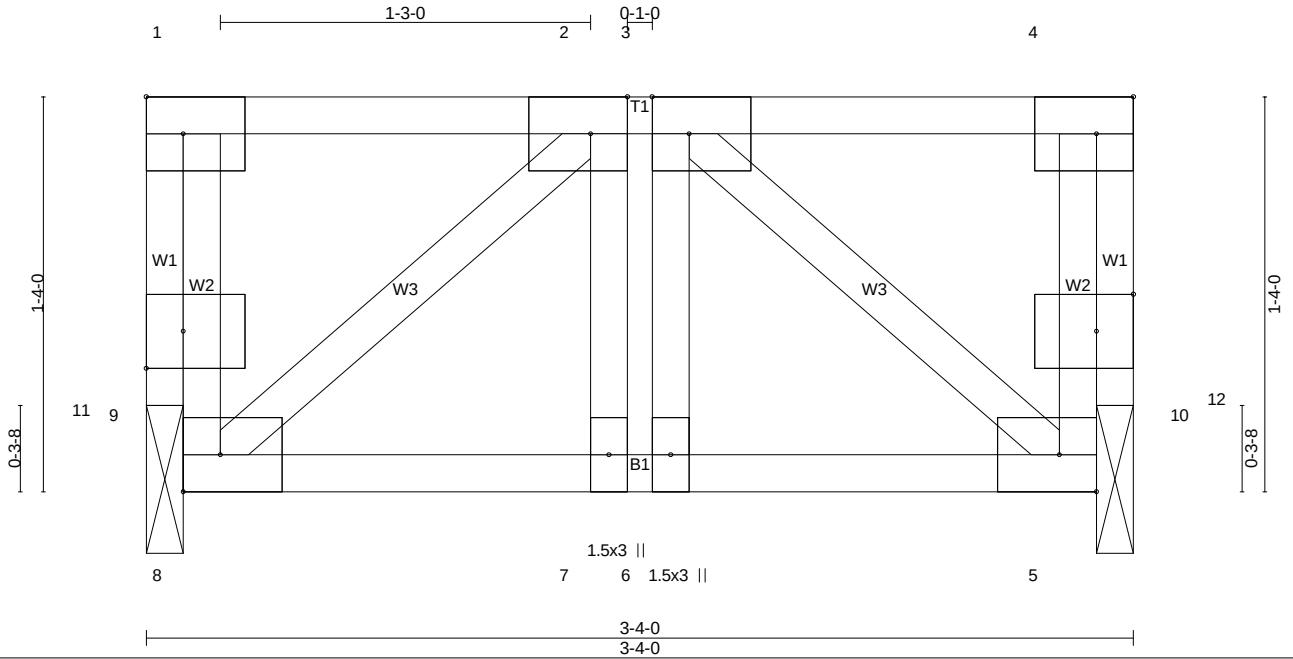

Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-1-8,Edge], [9:0-1-8,0-1-8], [10:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	-0.00	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.00	6	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 11=163/0-1-8 (min. 0-1-8), 12=163/0-1-8 (min. 0-1-8)

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

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Bearing at joint(s) 11, 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11, 12.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	F8	Floor	10	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:36 2024 Page 1
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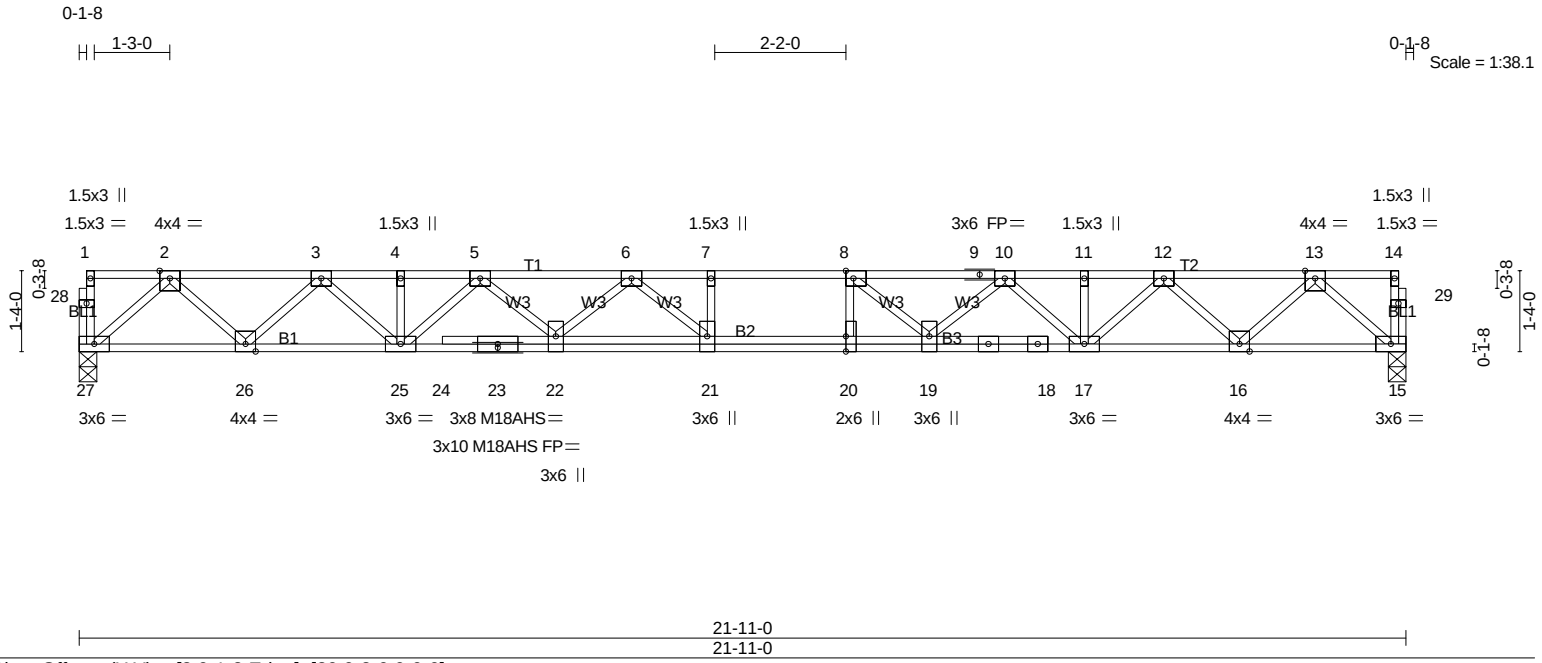

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [20:0-3-0,0-0-0]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.27	21	>953	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.46	Vert(CT)	-0.38	21	>692	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.05	15	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 128 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP 2400F 2.0E(flat)
BOT CHORD	2x4 SP 2400F 2.0E(flat)
WEBS	2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 27=948/0-3-8 (min. 0-1-8), 15=948/0-3-8 (min. 0-1-8)

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

TOP CHORD	2-3=-1796/0, 3-4=-3091/0, 4-5=-3091/0, 5-6=-4097/0, 6-7=-4432/0, 7-8=-4432/0, 8-9=-4047/0, 9-10=-4047/0, 10-11=-3094/0, 11-12=-3094/0, 12-13=-1795/0
BOT CHORD	26-27=0/1037, 25-26=0/2523, 24-25=0/3691, 23-24=0/3689, 22-23=0/3691, 21-22=0/4356, 20-21=0/4432, 19-20=0/4432, 18-19=0/3663, 17-18=0/3663, 16-17=0/2524, 15-16=0/1037
WEBS	2-27=-1379/0, 2-26=0/1055, 3-26=-1011/0, 3-25=0/773, 13-15=-1379/0, 13-16=0/1054, 12-16=-1013/0, 12-17=0/775, 10-17=-773/0, 10-19=0/554, 8-19=-757/0, 5-25=-815/0, 5-22=0/551, 6-22=-432/0, 6-21=-195/453, 8-20=-158/329

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x4 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) 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.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	FG1	Floor Girder	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:37 2024 Page 1
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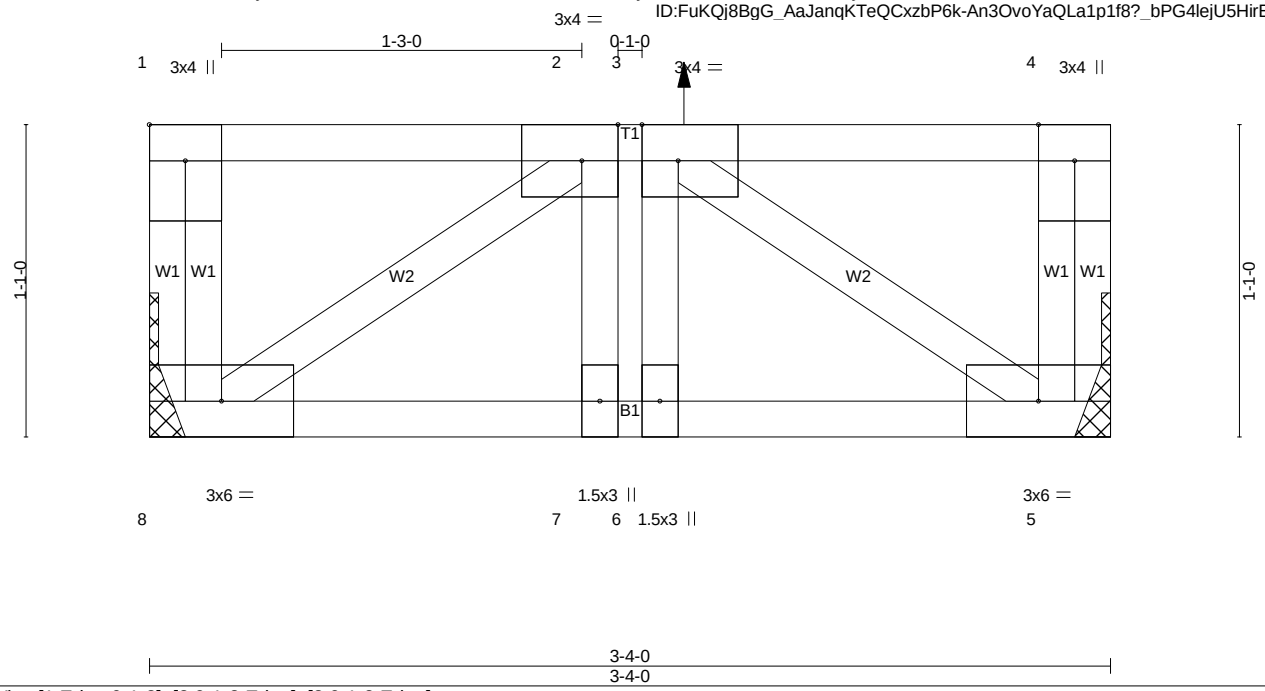

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	0.00	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	0.01	7-8	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.16	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2015/TPI2014		Matrix-S							Weight: 22 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 8=133/Mechanical, 5=138/Mechanical
Max Uplift8=-202(LC 10), 5=-159(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-107/284
BOT CHORD 7-8=-284/107, 6-7=-284/107, 5-6=-284/107
WEBS 2-8=-128/341, 3-5=-128/341

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 8 and 159 lb uplift at joint 5.
5) 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.
6) 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.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 559 lb up at 1-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=68

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	M1	Monopitch	12	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:37 2024 Page 1
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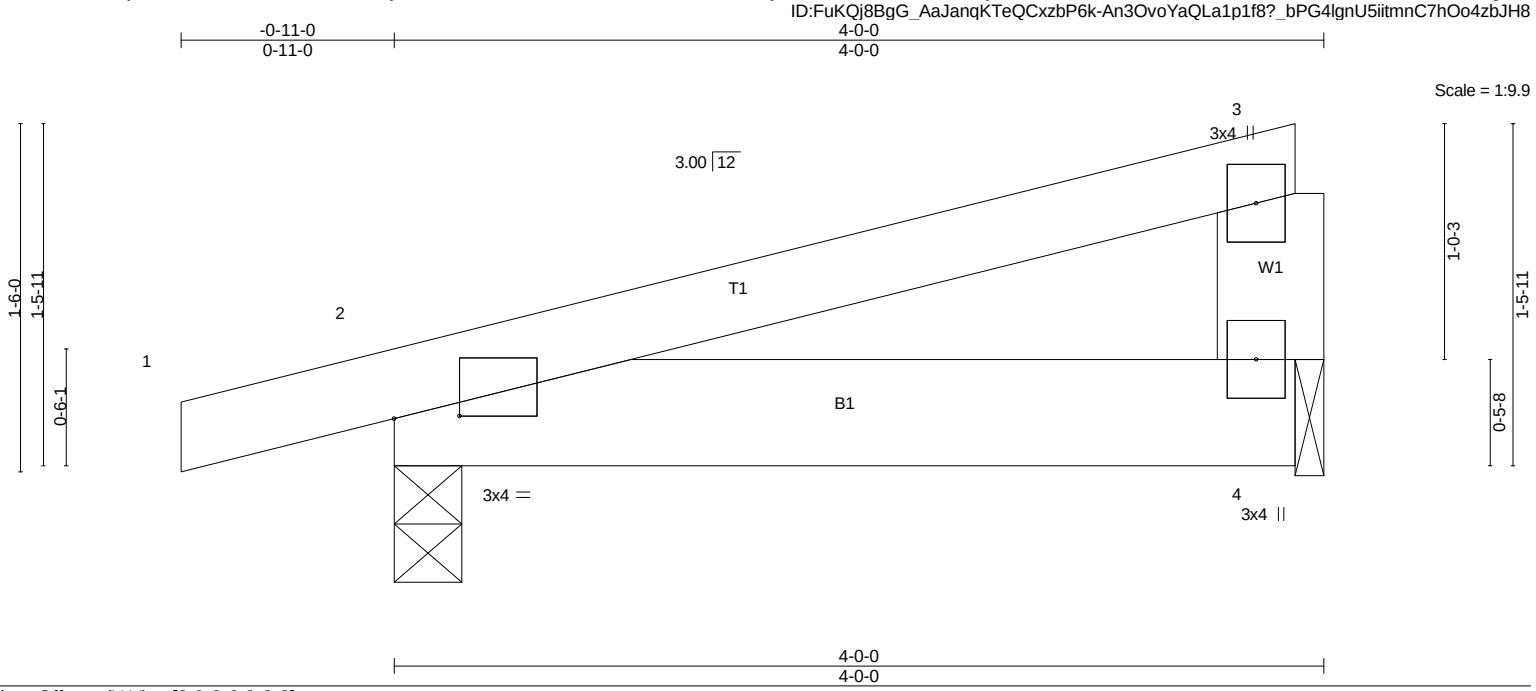

Plate Offsets (X,Y)-- [2:0-3-6,0-0-2]

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	0.08	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.00	7	>999	240	Weight: 18 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 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) 2=213/0-3-8 (min. 0-1-8), 4=144/0-1-8 (min. 0-1-8)
Max Horz 2=58(LC 8)
Max Uplift2=-88(LC 8), 4=-47(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 88 lb uplift at joint 2 and 47 lb uplift at joint 4.
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	The Bradford Plan
J0324-1480	M2	MONOPITCH	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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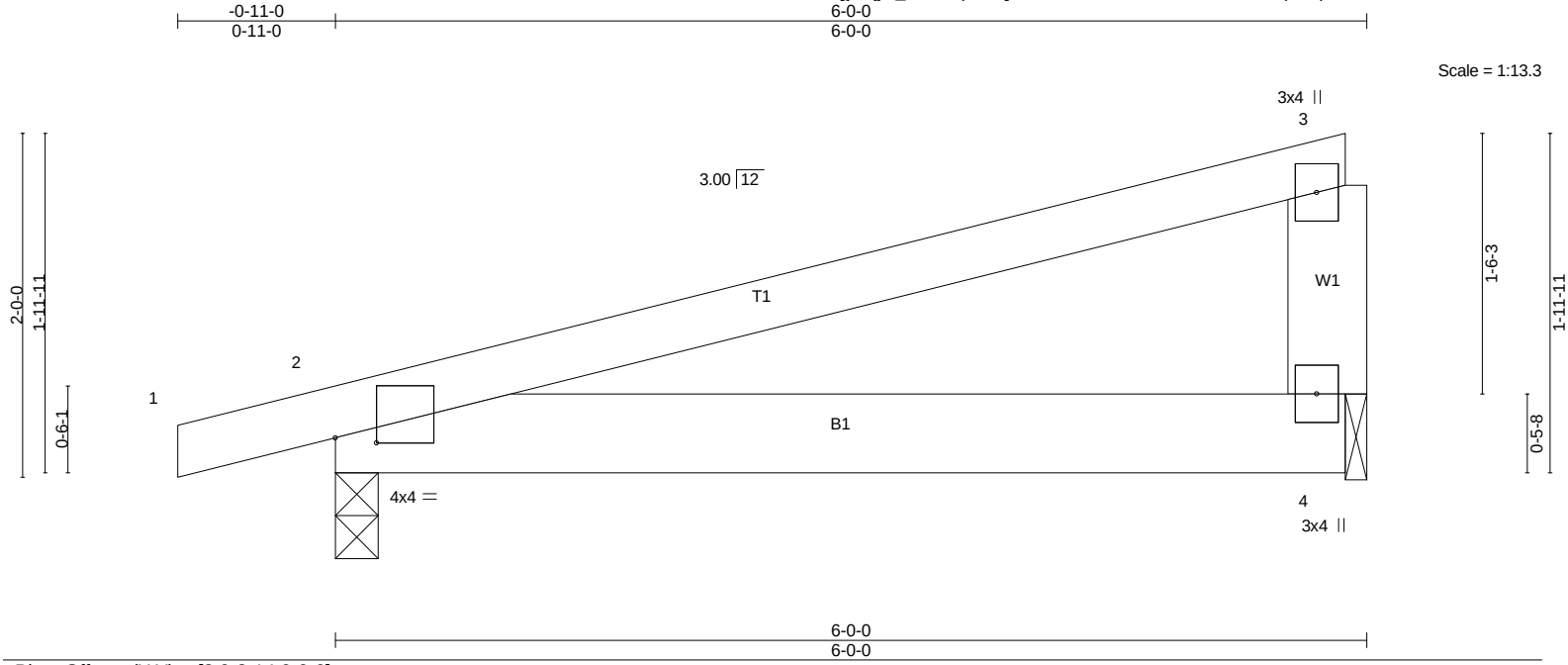

Plate Offsets (X,Y)-- [2:0-2-14,0-0-6]

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	0.23	Vert(LL)	-0.02	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.04	4-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.05	4-7	>999	240	Weight: 27 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=290/0-3-0 (min. 0-1-8), 4=226/0-1-8 (min. 0-1-8)
Max Horz 2=58(LC 8)
Max Uplift2=-118(LC 8), 4=-93(LC 8)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 5-9-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 30.0psf 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 2 and 93 lb uplift at joint 4.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	M2GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:38 2024 Page 1
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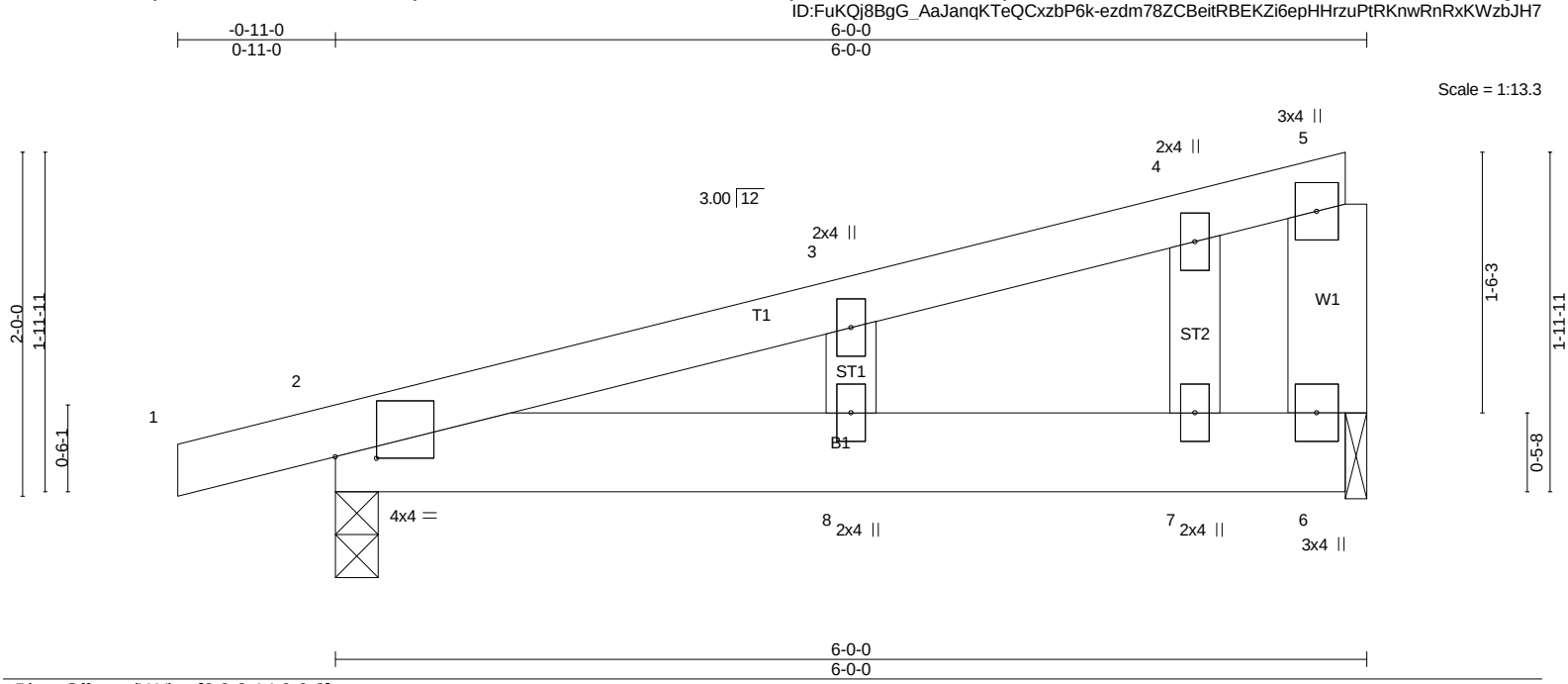

Plate Offsets (X,Y)-- [2:0-2-14,0-0-2]

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	0.12	Vert(LL)	0.06	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.04	8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 29 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x6 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=290/0-3-0 (min. 0-1-8), 6=226/0-1-8 (min. 0-1-8)
Max Horz 2=82(LC 8)
Max Uplift2=-170(LC 8), 6=-136(LC 8)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
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 30.0psf 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) Bearing at joint(s) 6 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 at joint(s) 6.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 2 and 136 lb uplift at joint 6.
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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	The Bradford Plan
J0324-1480	V1	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

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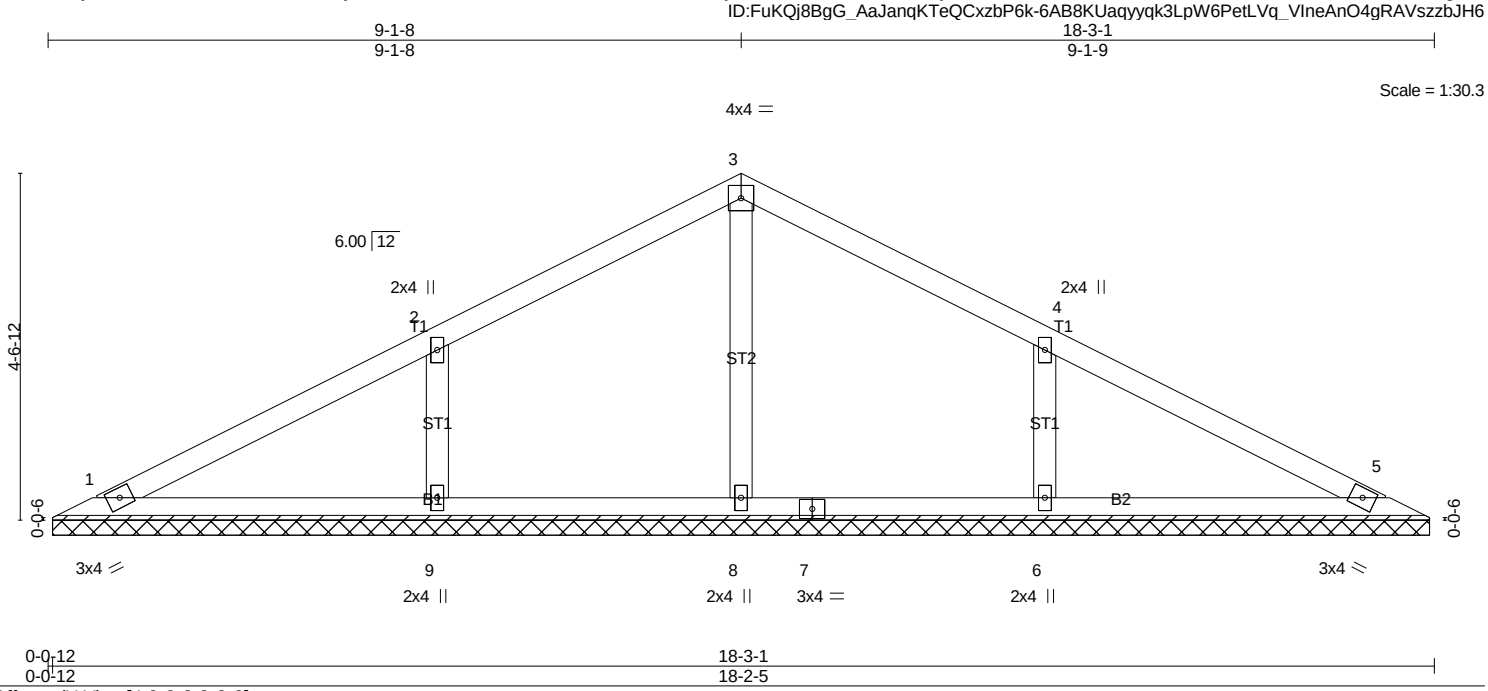

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 67 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. All bearings 18-1-9.
(lb) - Max Horz 1=55(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 8 except 9=410(LC 23), 6=410(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-303/217, 4-6=-304/217

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-1-8, Interior(1) 5-1-8 to 9-1-8, Exterior(2) 9-1-8 to 13-6-5, Interior(1) 13-6-5 to 17-7-4 zone;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 30.0psf 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 100 lb uplift at joint(s) 1, 5, 9, 6.
6) Non Standard bearing condition. Review required.
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	The Bradford Plan
J0324-1480	V2	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:39 2024 Page 1
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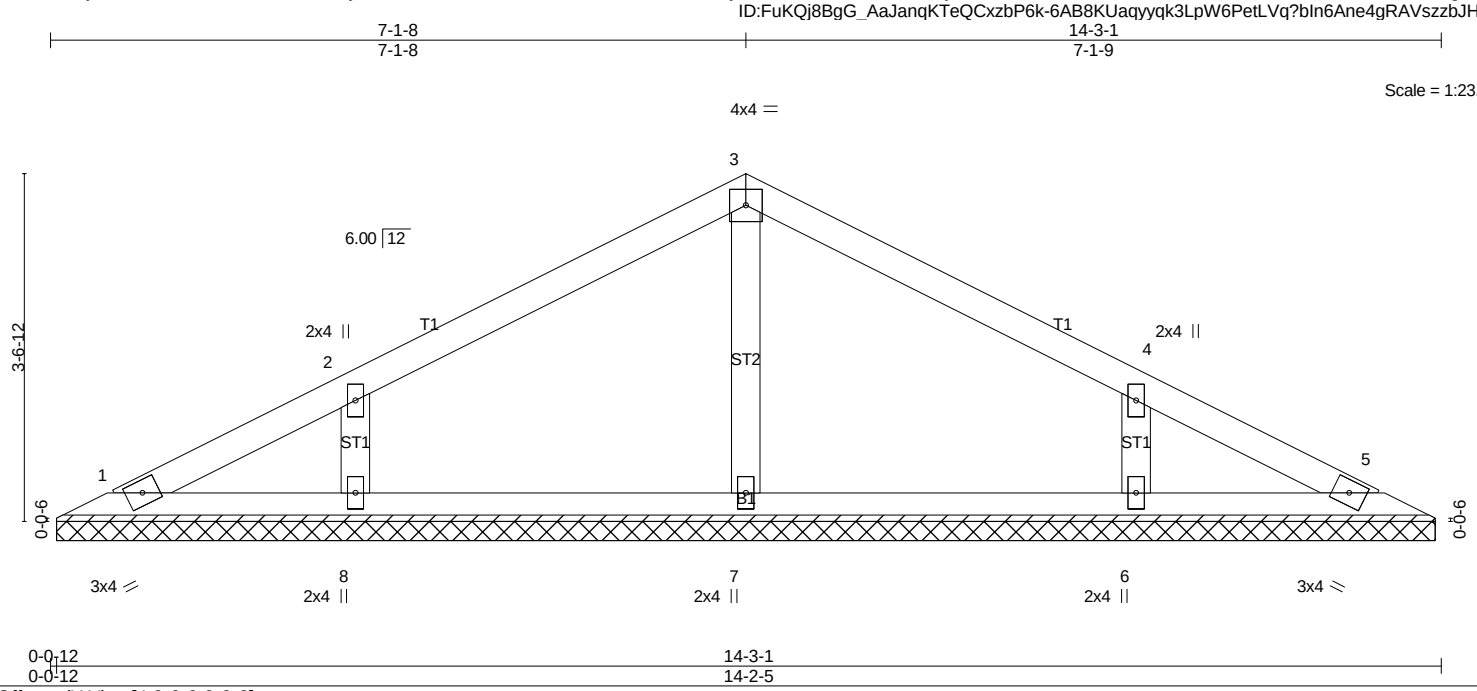

Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
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-S							Weight: 50 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. All bearings 14-1-9.
(lb) - Max Horz 1=42(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=283(LC 1), 8=311(LC 23), 6=311(LC 24)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-7-13 to 5-0-10, Interior(1) 5-0-10 to 7-1-8, Exterior(2) 7-1-8 to 11-6-5, Interior(1) 11-6-5 to 13-7-4 zone;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 30.0psf 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 100 lb uplift at joint(s) 1, 8, 6.
6) Non Standard bearing condition. Review required.
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	The Bradford Plan
J0324-1480	V3	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:40 2024 Page 1
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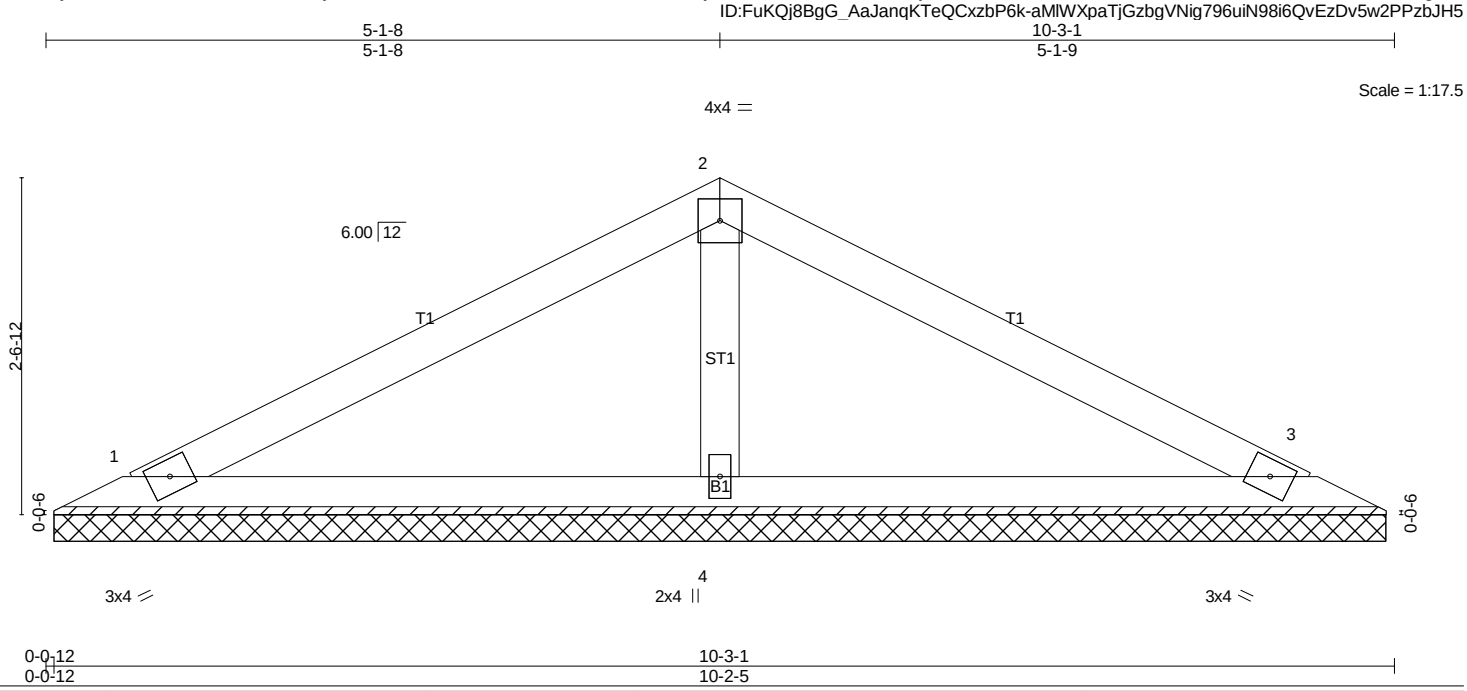

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 33 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 1=164/10-1-9 (min. 0-1-8), 3=164/10-1-9 (min. 0-1-8), 4=388/10-1-9 (min. 0-1-8)
Max Horz 1=-29(LC 10)
Max Uplift1=-22(LC 12), 3=-27(LC 13)
Max Grav 1=166(LC 23), 3=166(LC 24), 4=388(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-256/180

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;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 30.0psf 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 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.
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	The Bradford Plan
J0324-1480	V4	VALLEY	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Landry

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed Mar 13 16:12:40 2024 Page 1
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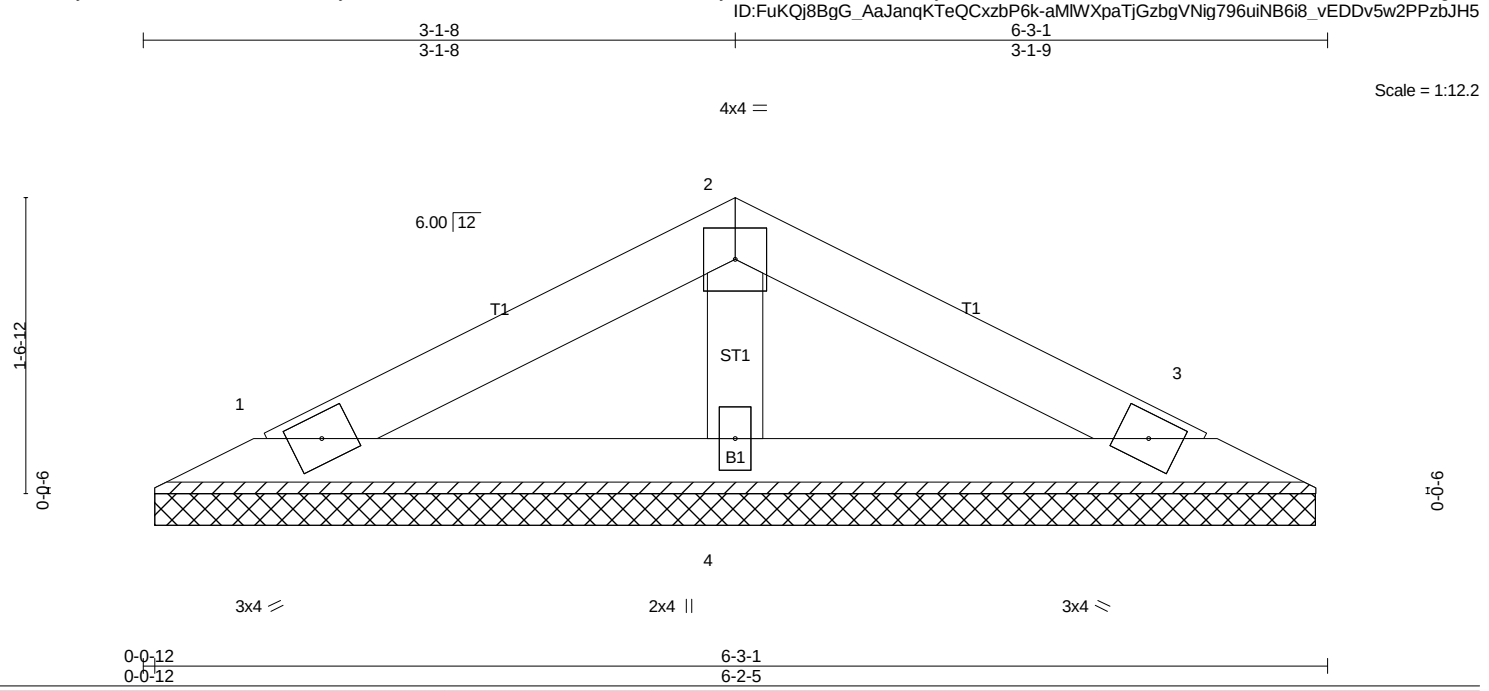

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 19 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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) 1=101/6-1-9 (min. 0-1-8), 3=101/6-1-9 (min. 0-1-8), 4=194/6-1-9 (min. 0-1-8)
Max Horz 1=16(LC 9)
Max Uplift1=-16(LC 12), 3=-19(LC 13)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone;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 30.0psf 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 100 lb uplift at joint(s) 1, 3.
6) Non Standard bearing condition. Review required.
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