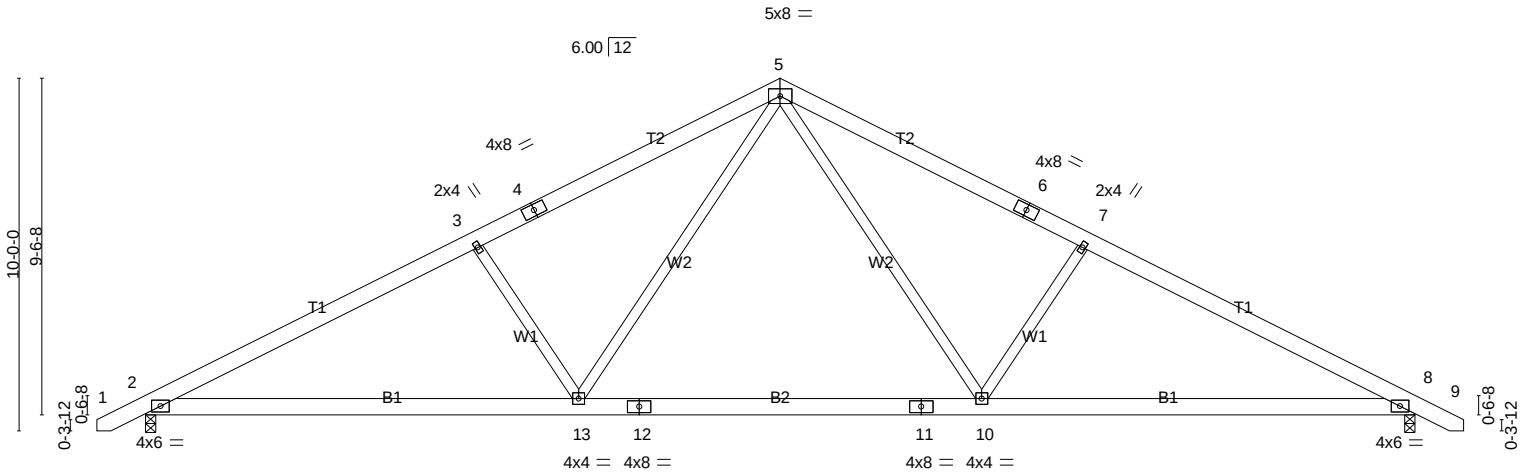
Job	Truss	Truss Type	Qty	Ply	Shrader Shop / Harnett Co.
B0820-3573	A1	FINK	11	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:24 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-tJ1vI7Qybi9dGJw4p3paYDpFuPdA2N?6XuAT4lyhHrL

1-4-8	9-5-2	18-0-0	26-6-14	36-0-0	37-4-8
1-4-8	9-5-2	8-6-14	8-6-14	9-5-2	1-4-8

Scale = 1:65.3



12-3-7	23-8-9	36-0-0
12-3-7	11-5-3	12-3-7

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	0.37	Vert(LL)	-0.32	10-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.60	Vert(CT)	-0.42	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.30	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.07	2-13	>999	240	Weight: 232 lb	FT = 20%

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 or 4-6-0 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. (size) 2=0-3-8 (min. 0-1-12), 8=0-3-8 (min. 0-1-12)
Max Horz 2=125(LC 11)
Max Uplift2=-105(LC 12), 8=-105(LC 13)
Max Grav 2=1508(LC 1), 8=1508(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2538/537, 3-5=-2288/555, 5-7=-2288/555, 7-8=-2538/537
BOT CHORD 2-13=-332/2226, 10-13=-100/1471, 8-10=-350/2177
WEBS 3-13=-541/319, 5-13=-148/957, 5-10=-148/957, 7-10=-541/319

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-2 to 3-2-11, Interior(1) 3-2-11 to 18-0-0, Exterior(2) 18-0-0 to 22-4-13, Interior(1) 22-4-13 to 37-2-2 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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 2 and 105 lb uplift at joint 8.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

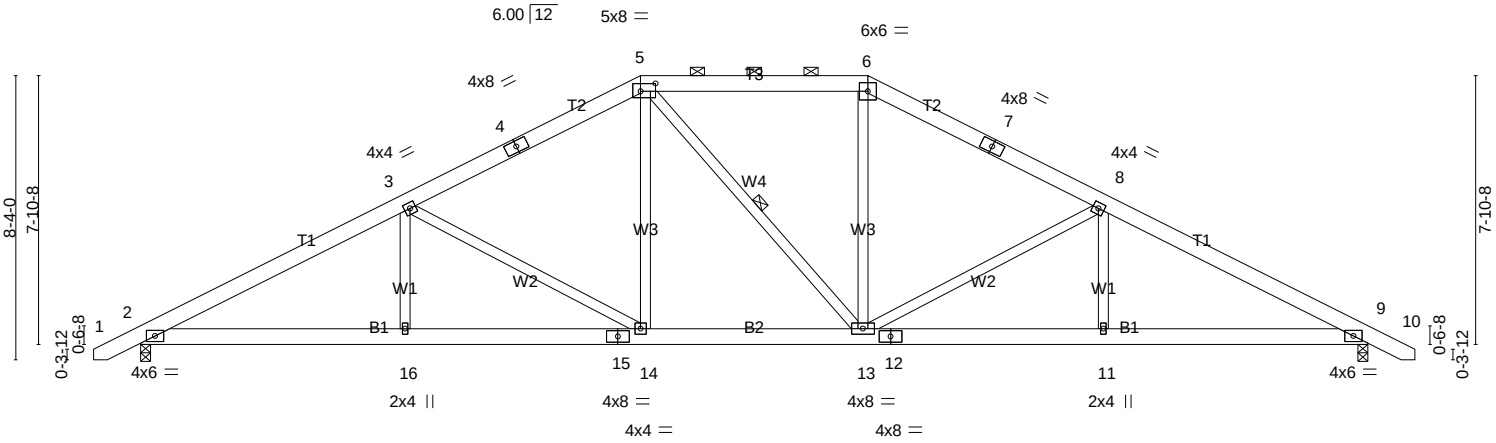
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Shrader Shop / Harnett Co.
B0820-3573	A2	HIP	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:25 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-LWbHWTQaM0HUuTVGMnKp5QMRmp1unjMFmYw0cByhHrK

1-4-8	7-9-2	14-8-0	21-4-0	28-2-14	36-0-0	37-4-8
1-4-8	7-9-2	6-10-14	6-8-0	6-10-14	7-9-2	1-4-8

Scale = 1:67.6



7-9-2	14-8-0	21-4-0	28-2-14	36-0-0
7-9-2	6-10-14	6-8-0	6-10-14	7-9-2

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

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	0.24	Vert(LL)	-0.08	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.16	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.06	14	>999	240	Weight: 252 lb	FT = 20%

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 or 4-6-12 oc purlins, except
2-0-0 oc purlins (5-9-3 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-13

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

REACTIONS. (size) 2=0-3-8 (min. 0-1-12), 9=0-3-8 (min. 0-1-12)
Max Horz 2=-103(LC 10)
Max Uplift2=-87(LC 12), 9=-87(LC 13)
Max Grav 2=1508(LC 1), 9=1508(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2627/640, 3-5=-1975/578, 5-6=-1685/583, 6-8=-1977/578, 8-9=-2626/640
BOT CHORD 2-16=-464/2250, 14-16=-464/2250, 13-14=-244/1683, 11-13=-469/2249, 9-11=-469/2249
WEBS 3-16=0/318, 3-14=-665/252, 5-14=-46/536, 6-13=-58/503, 8-13=-663/253, 8-11=0/315

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-2 to 3-2-11, Interior(1) 3-2-11 to 14-8-0, Exterior(2) 14-8-0 to 20-10-11, Interior(1) 20-10-11 to 21-4-0, Exterior(2) 21-4-0 to 27-6-11, Interior(1) 27-6-11 to 37-2-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 2 and 87 lb uplift at joint 9.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

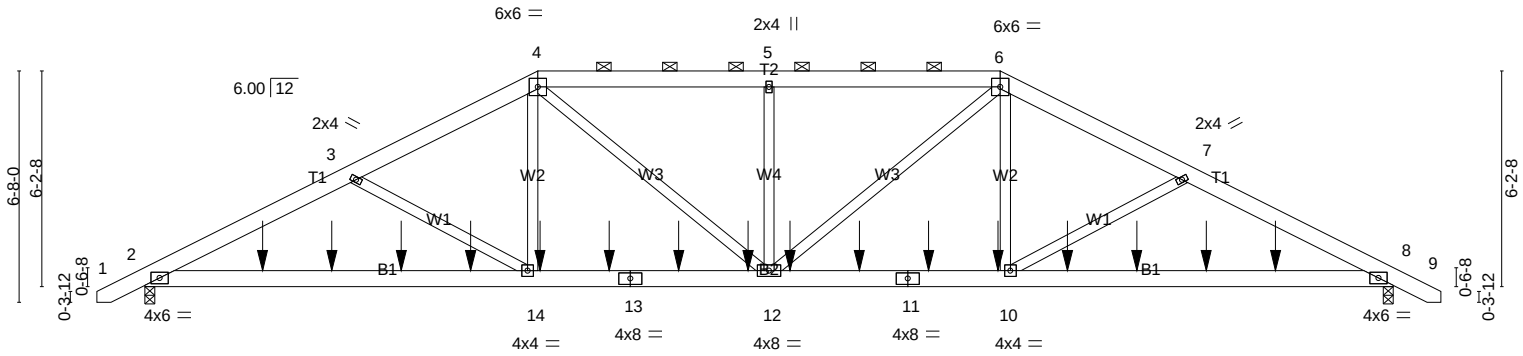
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Shrader Shop / Harnett Co.
B0820-3573	A3-GDR	HIP GIRDER	2	2	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:27 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-Huj1x9SqtdXC7nfeUCMHArRmicaeFmQYDsP7h4yhHrl

1-4-8	6-1-2	11-4-0	18-0-0	24-8-0	29-10-14	36-0-0	37-4-8
1-4-8	6-1-2	5-2-14	6-8-0	6-8-0	5-2-14	6-1-2	1-4-8

Scale = 1:66.4



11-4-0	18-0-0	24-8-0	36-0-0
11-4-0	6-8-0	6-8-0	11-4-0

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 0.27		Vert(LL)	-0.17	2-14	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.87		Vert(CT)	-0.38	2-14	>999	240		
BCLL 0.0	*	Rep Stress Incr NO	WB 0.19		Horz(CT)	0.08	8	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S		Wind(LL)	0.18	2-14	>999	240	Weight: 495 lb	FT = 20%

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 or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8 (min. 0-1-15), 8=0-3-8 (min. 0-1-15)
Max Horz 2=-82(LC 25)
Max Uplift2=-811(LC 8), 8=-811(LC 9)
Max Grav 2=3247(LC 1), 8=3247(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5743/1575, 3-4=-5395/1553, 4-5=-5307/1664, 5-6=-5307/1664, 6-7=-5395/1553, 7-8=-5743/1575
BOT CHORD 2-14=-1405/5073, 12-14=-1325/4712, 10-12=-1256/4712, 8-10=-1336/5073
WEBS 3-14=-375/196, 4-14=-402/1530, 4-12=-441/898, 6-12=-442/898, 6-10=-403/1530, 7-10=-375/197, 5-12=-418/179

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 (3-second gust) 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) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 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 811 lb uplift at joint 2 and 811 lb uplift at joint 8.
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) 249 lb down and 73 lb up at 3-4-12, 213 lb down and 54 lb up at 5-4-12, 213 lb down and 60 lb up at 7-4-12, 213 lb down and 94 lb up at 9-4-12, 230 lb down and 132 lb up at 11-4-12, 230 lb down and 132 lb up at 13-4-12, 230 lb down and 132 lb up at 15-4-12, 230 lb down and 132 lb up at 17-4-12, 230 lb down and 132 lb up at 18-7-4, 230 lb down and 132 lb up at 20-7-4, 230 lb down and 132 lb up at 22-7-4, 230 lb down and 132 lb up at 24-7-4, 213 lb down and 94 lb up at 26-7-4, 213 lb down and 60 lb up at 28-7-4, and 213 lb down and 54 lb up at 30-7-4, and 249 lb down and 73 lb up at 32-7-4 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: 1-4=-60, 4-6=-60, 6-9=-60, 2-8=-20
   Concentrated Loads (lb)
      Vert: 14=-213(F) 10=-213(F) 15=-249(F) 16=-213(F) 17=-213(F) 18=-213(F) 19=-213(F) 20=-213(F) 21=-213(F) 22=-213(F) 23=-213(F) 24=-213(F) 25=-213(F) 26=-213(F) 27=-213(F) 28=-249(F)

Job	Truss	Truss Type	Qty	Ply	Shrader Shop / Harnett Co.
B0820-3573	J1	JACK-OPEN	16	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:28 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-l4HP8VTSexf3lxEr2vtWi3_xc05P_DTiSW8gDWyhHrH

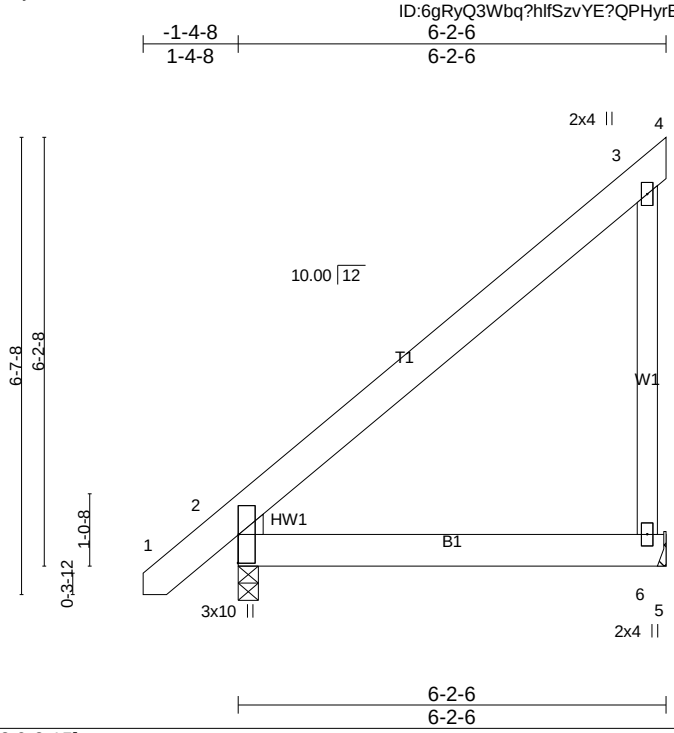


Plate Offsets (X,Y)-- [2:0-0-1,0-0-1], [2:0-0-2,0-2-15]

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	0.26	Vert(LL)	-0.02	2-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.03	2-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 46 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 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. (size) 2=0-3-8 (min. 0-1-8), 6=Mechanical
Max Horz 2=196(LC 12)
Max Uplift6=-112(LC 12)
Max Grav 2=321(LC 1), 6=267(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-290/257

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-7 to 3-2-6, Interior(1) 3-2-6 to 6-2-6 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Shrader Shop / Harnett Co.
B0820-3573	J2	JACK-OPEN	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:29 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-DHroMrU4PEnvM5p1bcOlFGW7JQSmjhdrhAuElyyhHrG

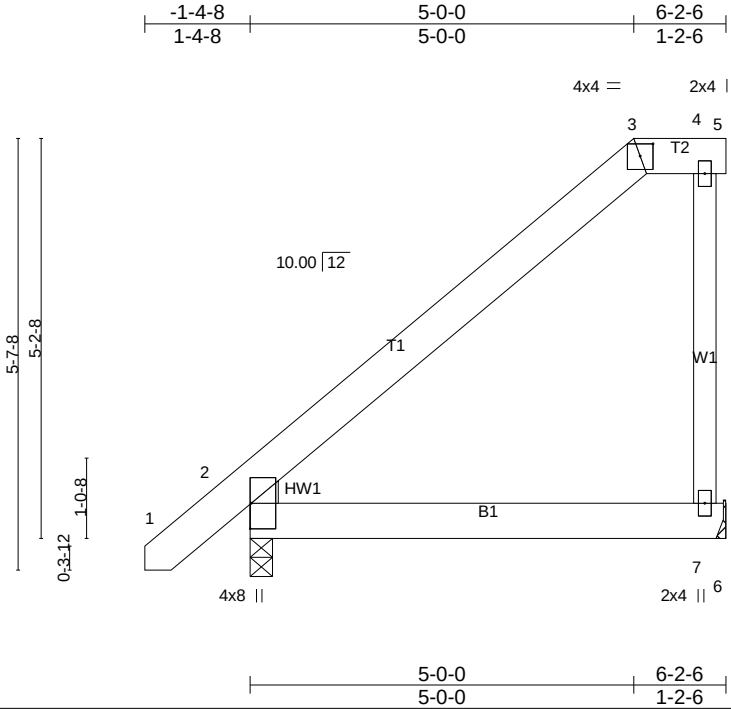


Plate Offsets (X,Y)-- [2:0-0-2,0-2-15], [2:0-0-1,0-0-1], [3:0-2-0,0-1-15]

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)	-0.01	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.03	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	2-7	>999	240	Weight: 44 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins: 3-5.
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. (size) 2=0-3-8 (min. 0-1-8), 7=Mechanical
Max Horz 2=167(LC 12)
Max Uplift7=-74(LC 12)
Max Grav 2=321(LC 1), 7=235(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 (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-7 to 3-2-6, Interior(1) 3-2-6 to 5-1-0, Exterior(2) 5-1-0 to 6-2-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 7.
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) 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	Shrader Shop / Harnett Co.
B0820-3573	J3	JACK-OPEN	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:30 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-hTPAZBUjAYvm_EOD9Kv_oU3JepozS9W?vqdnIPyhHrF

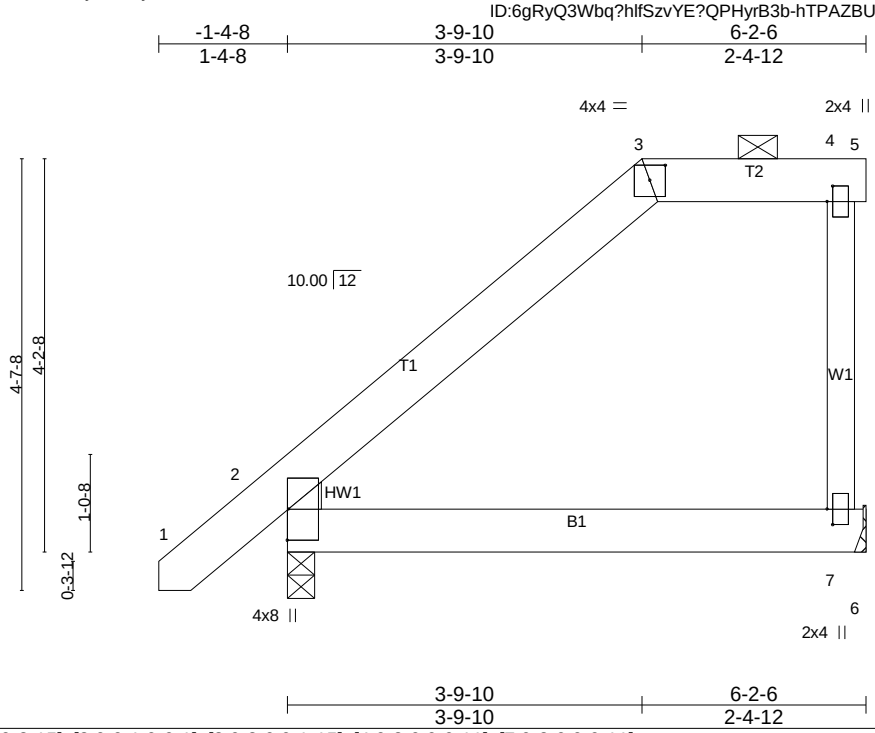


Plate Offsets (X,Y)-- [2:0-0-2,0-2-15], [2:0-0-1,0-0-1], [3:0-2-0,0-1-15], [4:0-2-0,0-0-11], [7:0-2-0,0-0-11]

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	0.16	Vert(LL)	-0.01	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.03	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	2-7	>999	240	Weight: 42 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins: 3-5.
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. (size) 2=0-3-8 (min. 0-1-8), 7=Mechanical
Max Horz 2=135(LC 12)
Max Uplift2=-2(LC 12), 7=-40(LC 9)
Max Grav 2=322(LC 1), 7=233(LC 1)

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 (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-2-7 to 3-2-6, Interior(1) 3-2-6 to 3-10-10, Exterior(2) 3-10-10 to 6-2-6 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 2 and 40 lb uplift at joint 7.
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) 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	Shrader Shop / Harnett Co.
B0820-3573	J4	JACK-OPEN	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:30 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-hTPAZBUjAYvm_EOD9Kv_oU3JvpoyS9d?vqdnIPyhHrF

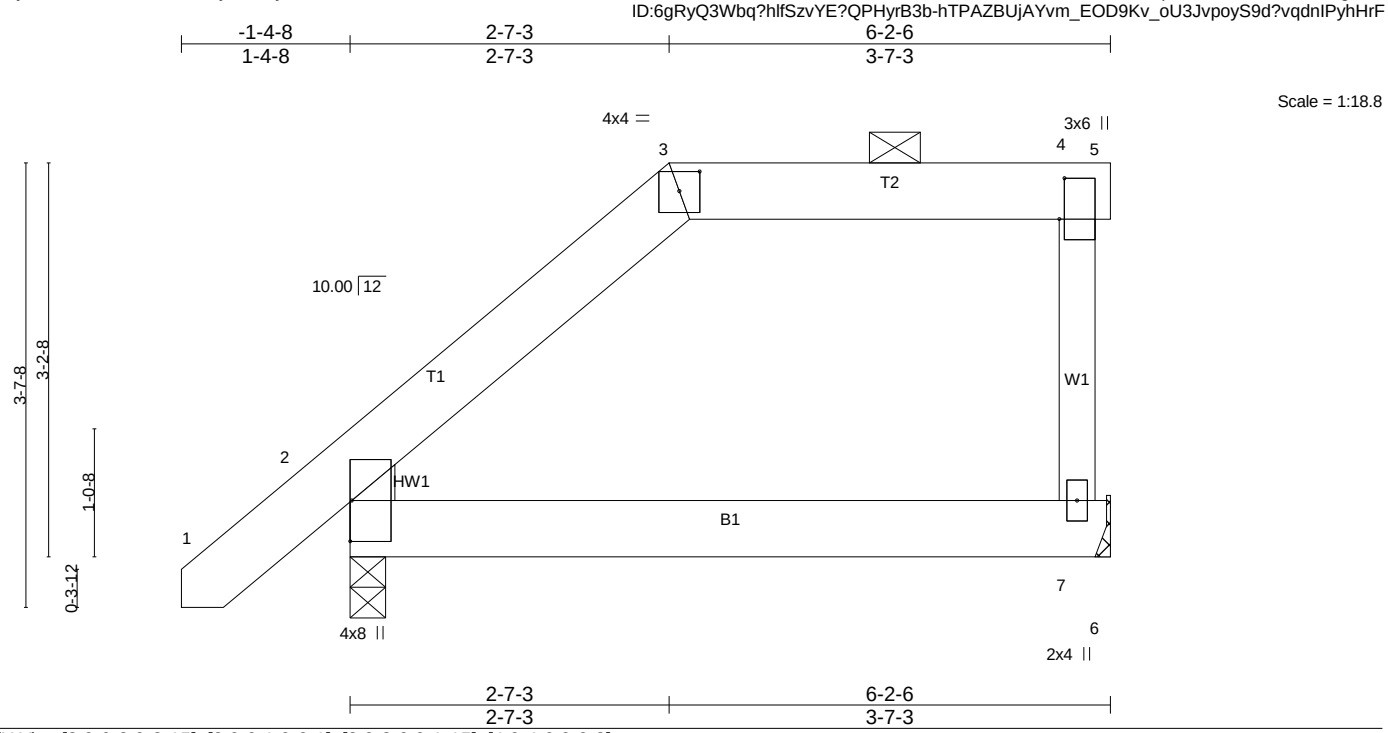


Plate Offsets (X,Y)-- [2:0-0-2,0-2-15], [2:0-0-1,0-0-1], [3:0-2-0,0-1-15], [4:0-4-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.01	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.03	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	2-7	>999	240	Weight: 39 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins: 3-5.
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. (size) 2=0-3-8 (min. 0-1-8), 7=Mechanical
Max Horz 2=102(LC 12)
Max Uplift 2=-14(LC 12), 7=-34(LC 9)
Max Grav 2=321(LC 1), 7=233(LC 1)

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 (3-second gust) 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 2 and 34 lb uplift at joint 7.
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) 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	Shrader Shop / Harnett Co.
B0820-3573	J5	JACK-OPEN GIRDER	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor — Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:31 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-AfyYmWVLxs1dcOyQj1RDKhcThD7KBb088UNKqryhHrE

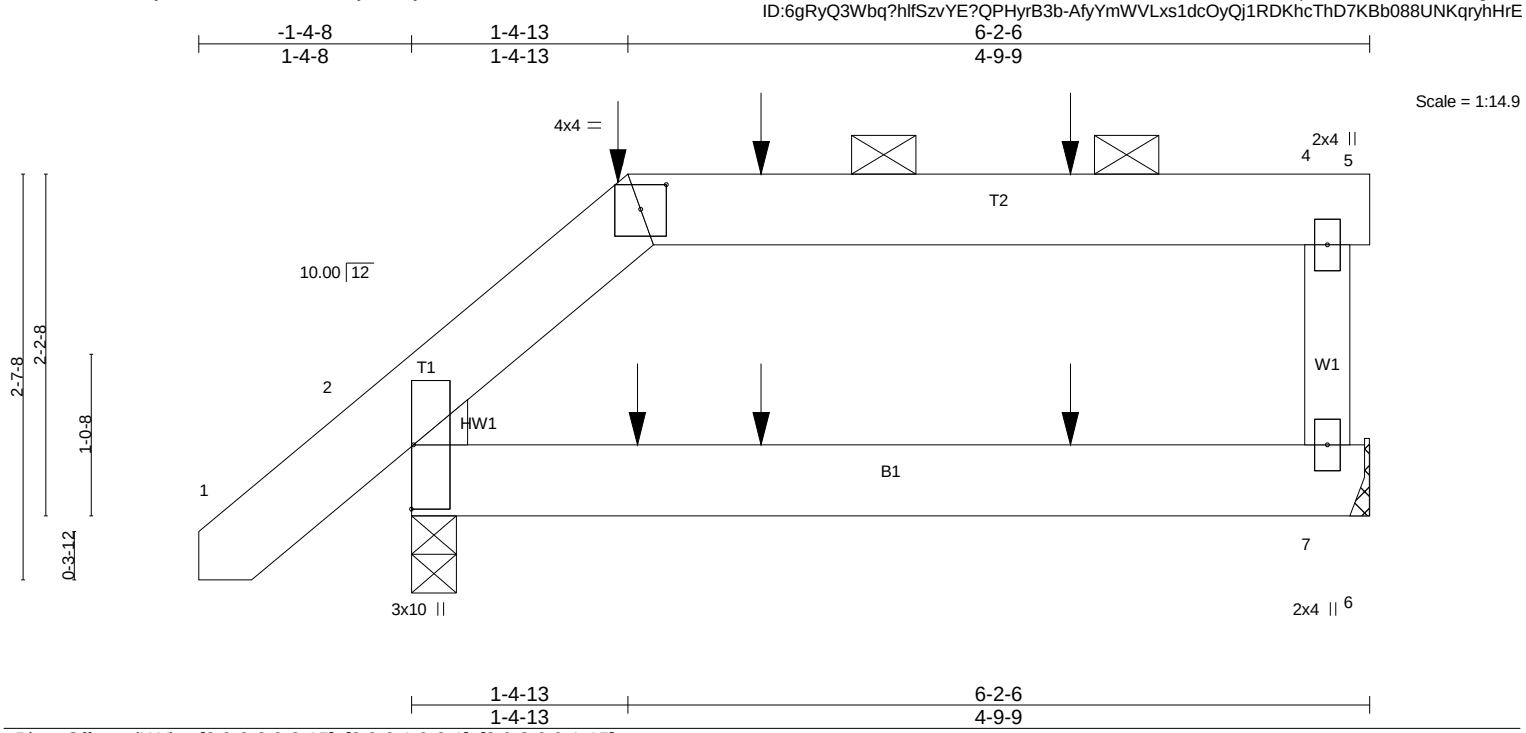


Plate Offsets (X,Y)-- [2:0-0-2,0-2-15], [2:0-0-1,0-0-1], [3:0-2-0,0-1-15]

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)	-0.02	2-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.04	2-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S		Wind(LL)	0.01	2-7	>999	240	Weight: 37 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins: 3-5.
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. (size) 2=0-3-8 (min. 0-1-8), 7=Mechanical
Max Horz 2=70(LC 8)
Max Uplift2=-61(LC 8), 7=-53(LC 5)
Max Grav 2=360(LC 1), 7=269(LC 20)

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 (3-second gust) 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
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 61 lb uplift at joint 2 and 53 lb uplift at joint 7.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 57 lb up at 1-5-13, and 60 lb down and 52 lb up at 2-3-2, and 61 lb down and 52 lb up at 4-3-2 on top chord, and 23 lb down at 1-5-9, and 23 lb down at 2-3-2, and 23 lb down at 4-3-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-60, 4-5=-20, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-12(F) 8=-12(F) 9=-12(F) 10=-11(F) 11=-11(F) 12=-11(F)

Job	Truss	Truss Type	Qty	Ply	Shrader Shop / Harnett Co.
B0820-3573	J6	Jack-Open	12	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Dwayne Naylor

Run: 8.300 s Mar 22 2019 Print: 8.300 s Mar 22 2019 MiTek Industries, Inc. Thu Sep 3 17:16:32 2020 Page 1
ID:6gRyQ3Wbq?hlfSzvYE?QPHyrB3b-esWw_sWzi99UDYXcHlyStv8gydT4w2bHN86uMHyhHrD

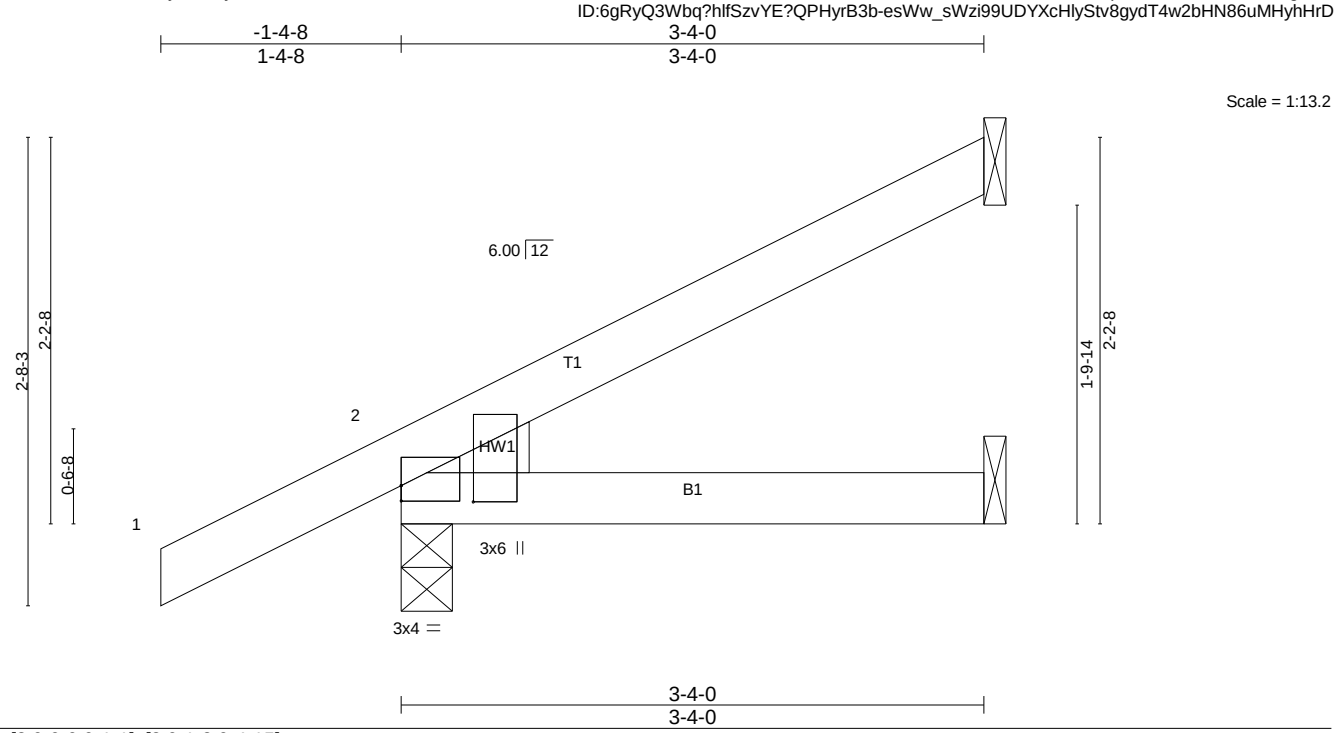


Plate Offsets (X,Y)-- [2:0-0-0,0-1-1], [2:0-1-2,0-4-15]

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	0.11	Vert(LL)	-0.01	2-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P		Wind(LL)	0.00	2	****	240	Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-0 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. (size) 3=Mechanical, 2=0-3-8 (min. 0-1-8), 4=Mechanical
Max Horz 2=73(LC 12)
Max Uplift3=-44(LC 12), 2=-22(LC 12)
Max Grav 3=72(LC 1), 2=238(LC 1), 4=63(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) 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
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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 3 and 22 lb uplift at joint 2.
6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard