



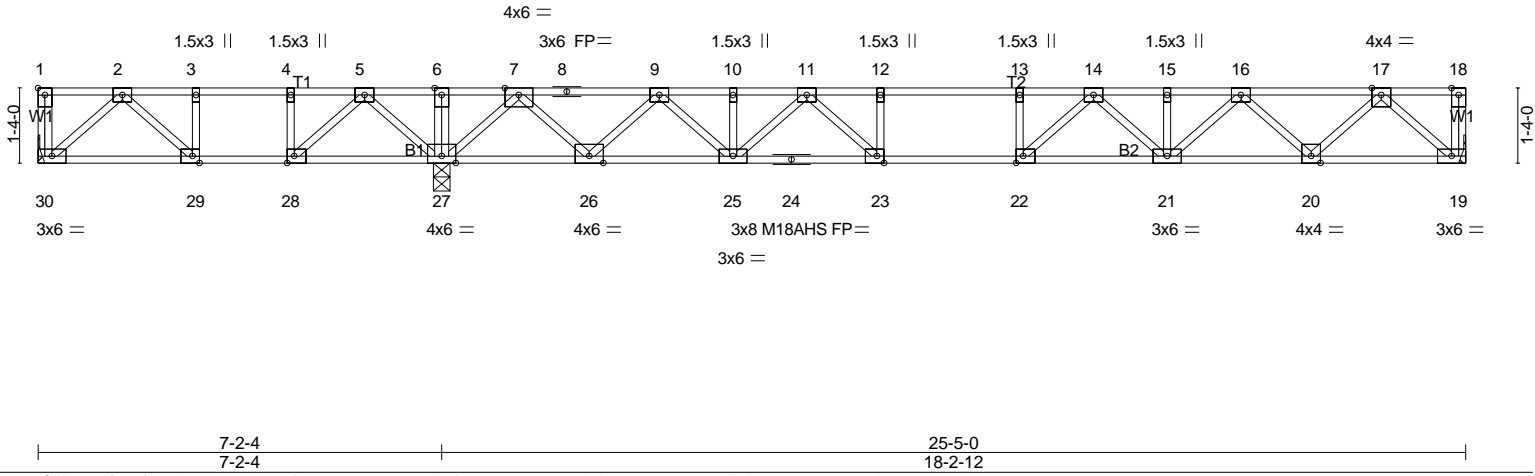
Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	F02	Floor	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:19 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-ukQ?0AmQpx816LP5ohZboapOgPrNfTheaP1D6hzKD\_Q



Scale = 1:41.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.76	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.88	Vert(LL) -0.25 21-22 >853 480	M18AHS	186/179
BCLL 0.0	Lumber DOL 1.00	WB 0.56	Vert(CT) -0.34 21-22 >632 360		
BCLD 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.05 19 n/a n/a		
	Code IRC2015/TPI2014				Weight: 134 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 6-0-0 oc bracing.

**REACTIONS.** (lb/size) 30=167/Mechanical, 27=1692/0-3-8 (min. 0-1-8), 19=909/Mechanical  
Max Uplift30=-106(LC 4)  
Max Grav30=319(LC 3), 27=1692(LC 1), 19=917(LC 7)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-352/464, 3-4=-352/464, 4-5=-352/464, 5-6=0/1354, 6-7=0/1354, 7-8=-818/0,  
8-9=-818/0, 9-10=-2205/0, 10-11=-2205/0, 11-12=-3097/0, 12-13=-3097/0, 13-14=-3097/0,  
14-15=-2718/0, 15-16=-2718/0, 16-17=-1647/0  
BOT CHORD 29-30=-152/284, 28-29=-464/352, 27-28=-902/38, 26-27=-259/0, 25-26=0/1609,  
24-25=0/2672, 23-24=0/2672, 22-23=0/3097, 21-22=0/3004, 20-21=0/2286, 19-20=0/985  
WEBS 17-19=-1311/0, 17-20=0/921, 16-20=-889/0, 16-21=0/588, 14-21=-389/0, 14-22=-150/433,  
7-27=-1543/0, 7-26=0/1175, 9-26=-1119/0, 9-25=0/829, 11-25=-656/0, 11-23=0/792,  
12-23=-397/0, 2-30=-378/202, 2-29=-424/93, 5-27=-795/0, 5-28=0/798, 4-28=-406/0

- 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) Refer to girder(s) for truss to truss connections.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 30.
  - 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) 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.
  - 9) CAUTION, Do not erect truss backwards.

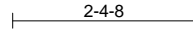
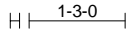
**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	F03	Floor	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:20 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-Mw\_ODWn2aFGukV\_HMO5qKoMY3pCVcwno3nmf8zKD\_P

0-1-8



Scale = 1:30.0

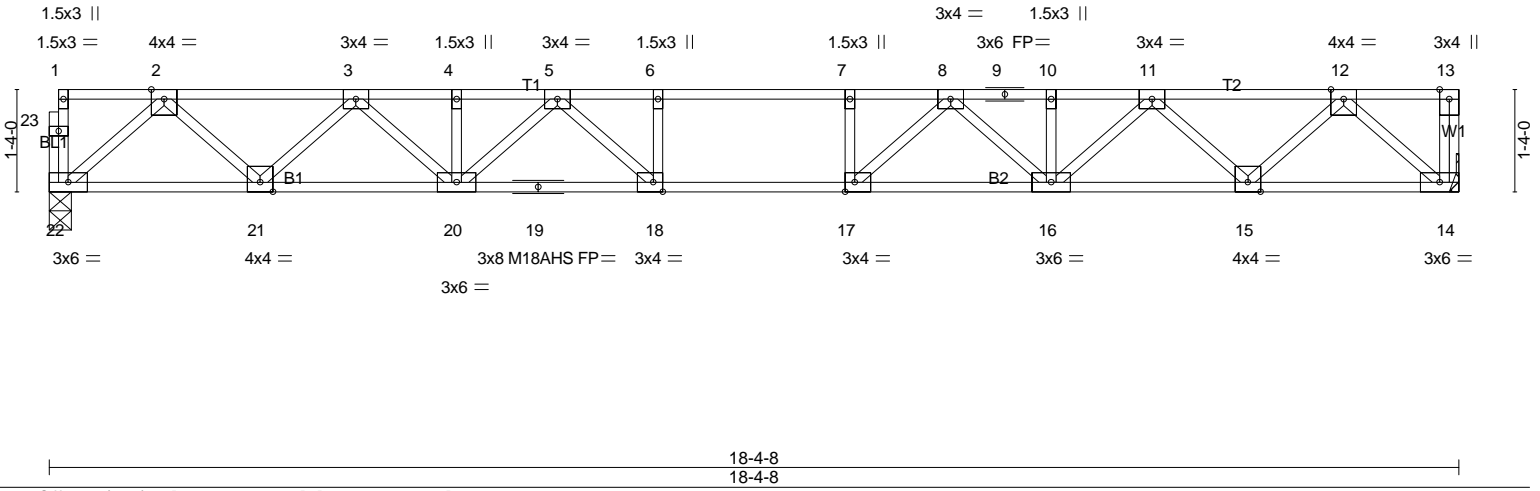


Plate Offsets (X,Y)-- [17:0-1-8,Edge], [18:0-1-8,Edge]

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 0.72	Vert(LL)	-0.25 16-17	>854	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.82	Vert(CT)	-0.34 16-17	>639	360	M18AHS	186/179
BCLL 0.0	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.07 14	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 97 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (lb/size) 22=991/0-3-8 (min. 0-1-8), 14=997/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1821/0, 3-4=-3054/0, 4-5=-3054/0, 5-6=-3693/0, 6-7=-3693/0, 7-8=-3693/0, 8-9=-3054/0, 9-10=-3054/0, 10-11=-3054/0, 11-12=-1822/0  
 BOT CHORD 21-22=0/1076, 20-21=0/2537, 19-20=0/3431, 18-19=0/3431, 17-18=0/3693, 16-17=0/3431, 15-16=0/2537, 14-15=0/1077  
 WEBS 12-14=-1433/0, 12-15=0/1036, 11-15=-995/0, 11-16=0/703, 8-16=-513/0, 8-17=-33/680, 7-17=-347/0, 2-22=-1430/0, 2-21=0/1037, 3-21=-996/0, 3-20=0/702, 5-20=-513/0, 5-18=-33/680, 6-18=-347/0

- 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	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	F04	Floor	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:20 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-Mw\_ODWn2aFGuKv\_HMO5qKoMdkpF7czkno3nmf8zKD\_P

0-1-8



0-1-8  
Scale = 1:22.4

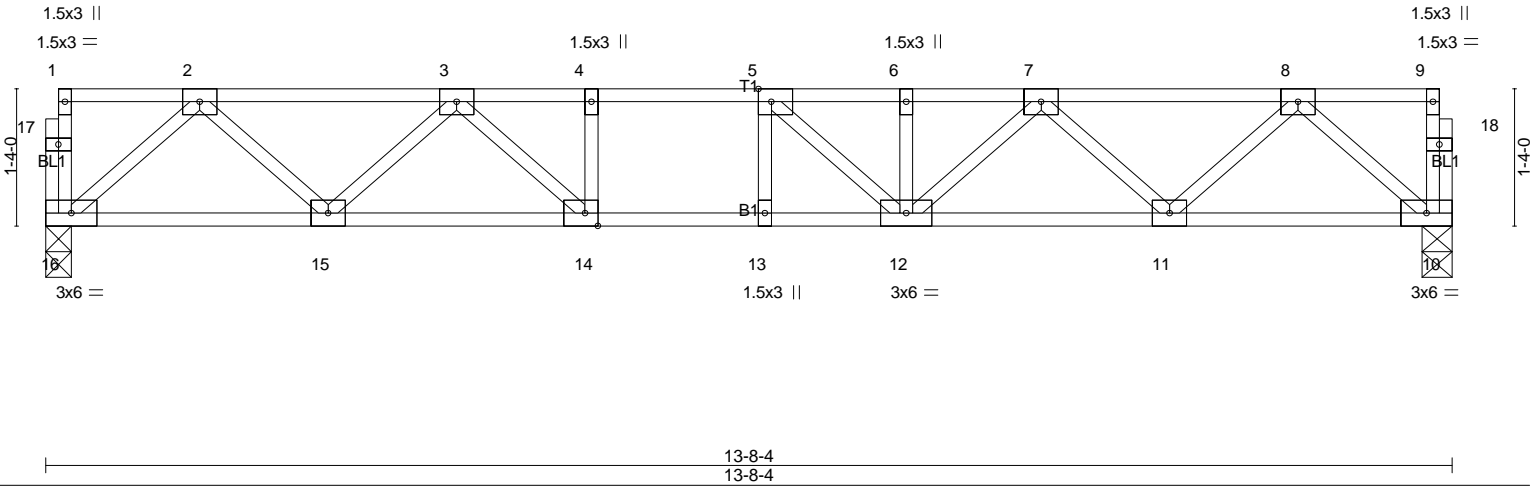


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.59	Vert(LL) -0.10 12-13 >999 480		
BCLL 0.0	Lumber DOL 1.00	WB 0.32	Vert(CT) -0.13 12-13 >999 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.03 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 73 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) 16=733/0-3-0 (min. 0-1-8), 10=733/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1256/0, 3-4=-2008/0, 4-5=-2008/0, 5-6=-1960/0, 6-7=-1960/0, 7-8=-1262/0  
BOT CHORD 15-16=0/783, 14-15=0/1715, 13-14=0/2008, 12-13=0/2008, 11-12=0/1714, 10-11=0/784  
WEBS 2-16=-1040/0, 2-15=0/657, 3-15=-638/0, 3-14=0/547, 4-14=-251/0, 8-10=-1041/0, 8-11=0/665, 7-11=-628/0, 7-12=0/335, 5-12=-331/152

**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) 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.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	F05	Floor	2	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:20 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoZkF?y-Mw\_ODWn2aFGukV\_HMO5qKoMfSpGCczvno3nmf8zKD\_P

0-1-8



Scale = 1:21.6

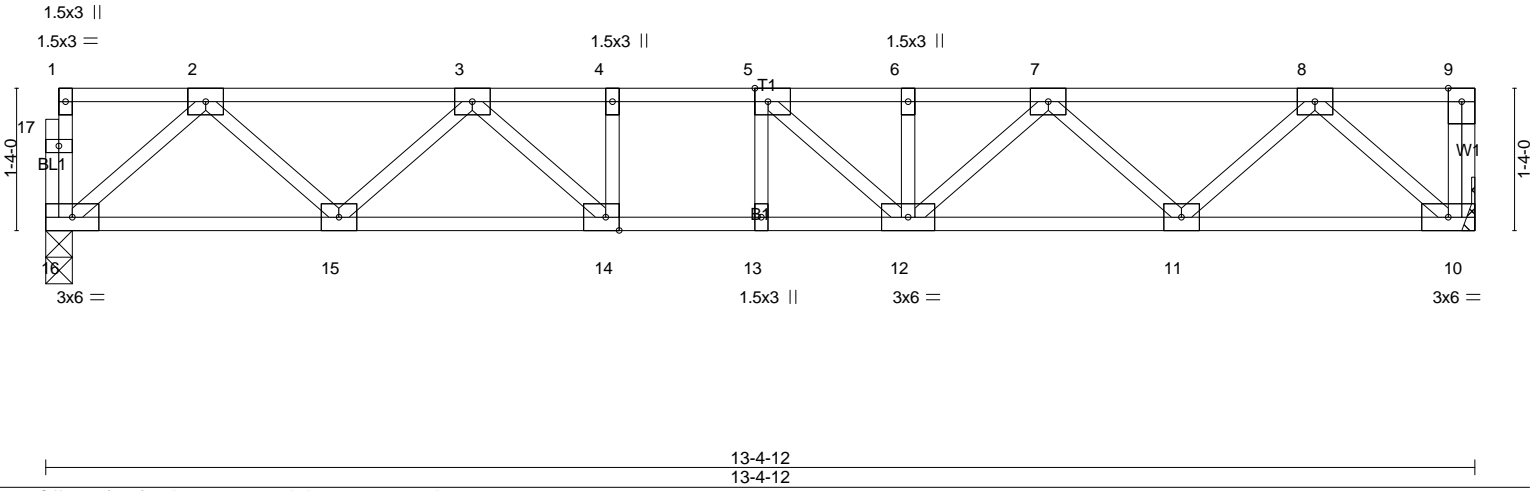


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.31	Vert(LL)	-0.08 12-13	>999	480	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.52	Vert(CT)	-0.11 12-13	>999	360		
BCLL 0.0	Lumber DOL 1.00	WB 0.31	Horz(CT)	0.03 10	n/a	n/a		
BCLD 5.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 73 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) 16=717/0-3-0 (min. 0-1-8), 10=723/Mechanical

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-1223/0, 3-4=-1925/0, 4-5=-1925/0, 5-6=-1891/0, 6-7=-1891/0, 7-8=-1228/0  
BOT CHORD 15-16=0/765, 14-15=0/1664, 13-14=0/1925, 12-13=0/1925, 11-12=0/1662, 10-11=0/766  
WEBS 2-16=-1016/0, 2-15=0/637, 3-15=-613/0, 3-14=0/496, 8-10=-1020/0, 8-11=0/642, 7-11=-604/0, 7-12=0/311,  
5-12=-295/158

- 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	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	F06	Floor	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:21 2024 Page 1  
 ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-q6YmRsogKYOILeZUw5c3f?urlLDg0LPdx1jWKBazKD\_0



Scale = 1:13.3

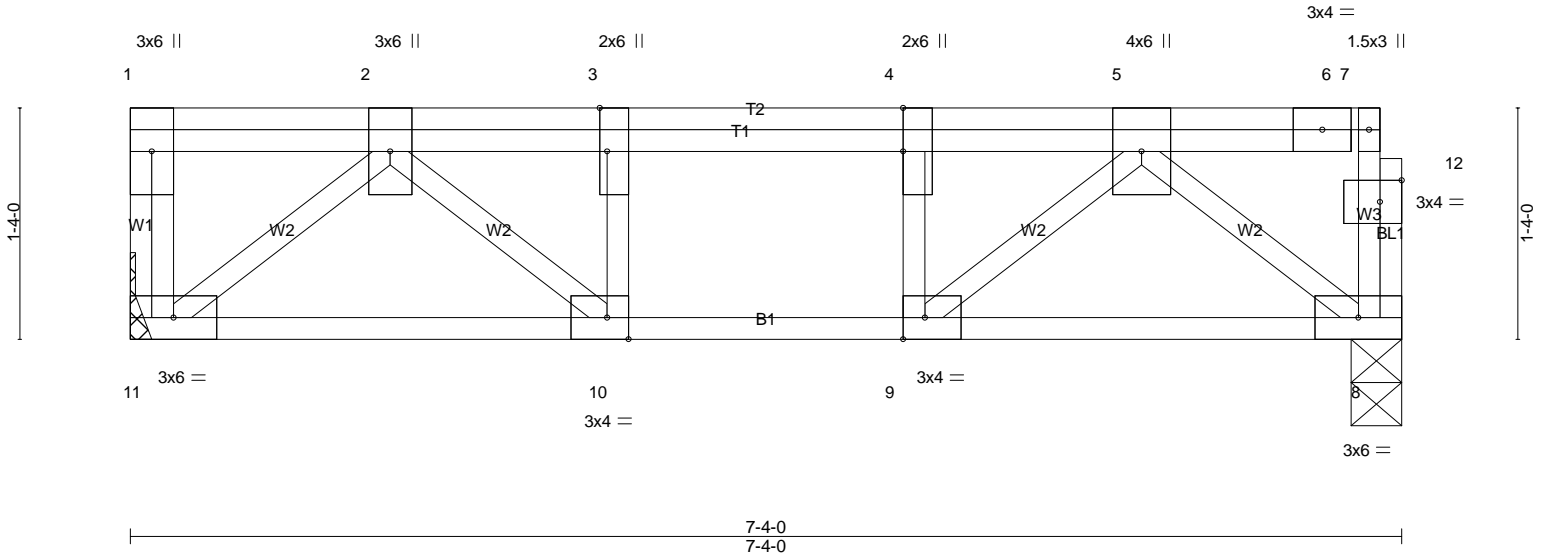


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [4:0-3-0,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,0-1-8]

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 0.24	Vert(LL)	-0.03 10-11	>999	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.29	Vert(CT)	-0.04 10-11	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.34	Horz(CT)	0.01 8	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 50 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) 11=918/Mechanical, 8=541/0-3-8 (min. 0-1-8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-1059/0, 3-13=-1059/0, 4-13=-1059/0, 4-5=-1059/0  
 BOT CHORD 10-11=0/878, 9-10=0/1059, 8-9=0/551  
 WEBS 5-8=-712/0, 2-11=-1142/0, 5-9=0/714, 2-10=0/360, 4-9=-416/0

- 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) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - 6) CAUTION, Do not erect truss backwards.
  - 7) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
 Uniform Loads (plf)  
 Vert: 8-11=-10, 1-13=-311(F=-211), 7-13=-100

Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	KW1	Floor Supported Gable	1	1	Job Reference (optional)

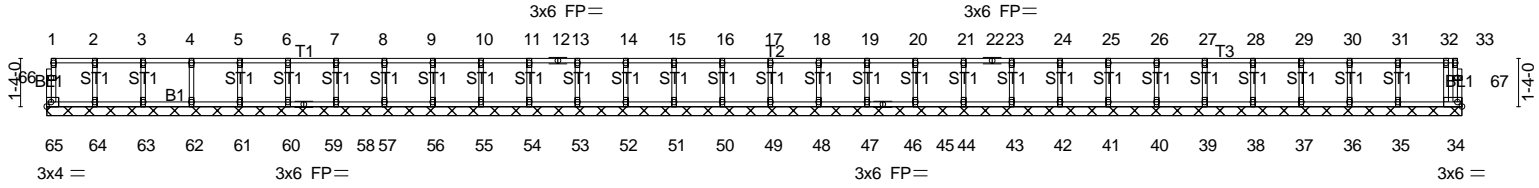
Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:21 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-q6YmRsogKYOLeZUw5c3t?ut\_DkHLUPx1jWKBazKD\_O

0-1-8  
H

0-1-8  
H

Scale: 3/16"=1'



39-1-4  
39-1-4

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL	1.00	TC 0.07	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.02	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	34	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-R						
								Weight: 169 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 39-1-4.  
(lb) - Max Grav All reactions 250 lb or less at joint(s) 65, 34, 64, 63, 62, 61, 60, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35

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

- NOTES-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
  - Plates checked for a plus or minus 1 degree rotation about its center.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 1-4-0 oc.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	KW2	Floor Supported Gable	1	1	Job Reference (optional)

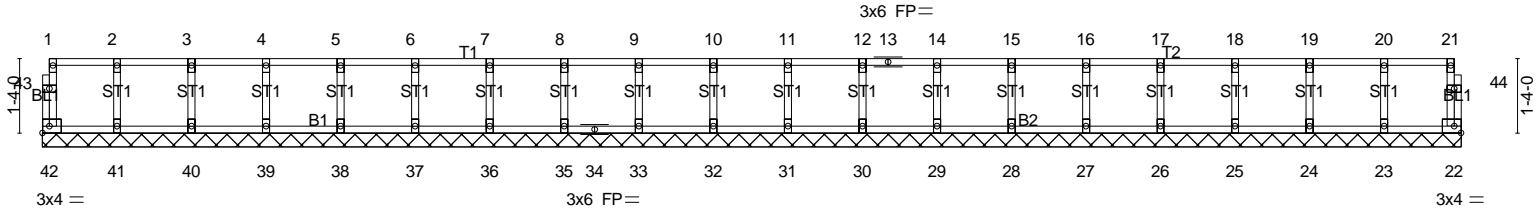
Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:22 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoZKF?y-IJ68eCol5sWczo8gUp7IPDR3vd4i4xi4GNgtj0zKD\_N

0-1-8

0-1-8

Scale = 1:41.2



25-4-8  
25-4-8

<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
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-R			Weight: 110 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 25-4-8.  
(lb) - Max Grav All reactions 250 lb or less at joint(s) 42, 22, 41, 40, 39, 38, 37, 36, 35, 33, 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-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
  - Plates checked for a plus or minus 1 degree rotation about its center.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 1-4-0 oc.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

**LOAD CASE(S)** Standard



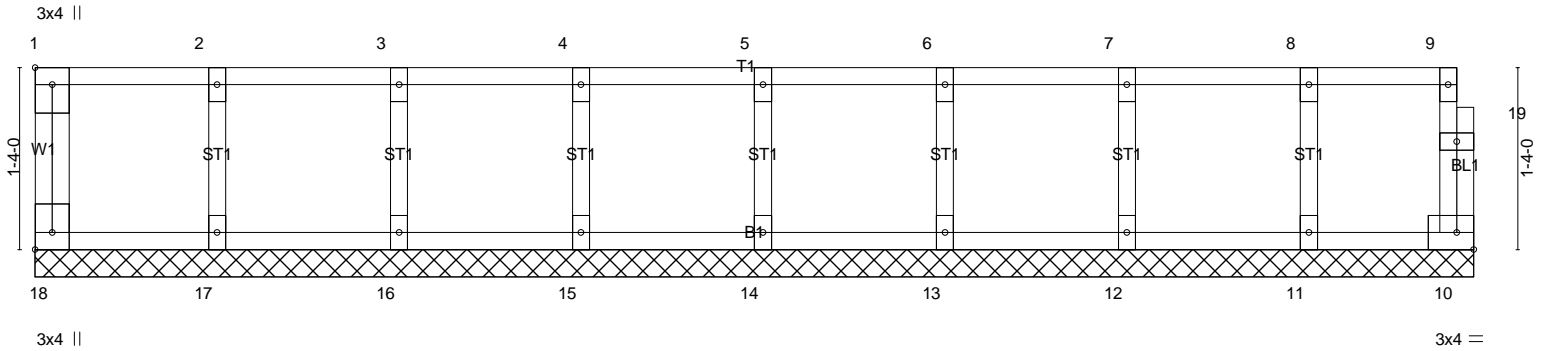
Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 9 Overhills Creek/Harnett
J0524-2606	KW3	Floor Supported Gable	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Fri May 3 13:16:23 2024 Page 1  
ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-mVgWrYpxsAeTbyjs1WeXyQ\_Ej0QwpOxEV1?QFTzKD\_M

0r1:8

Scale = 1:16.9



	10-6-8
	10-6-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18: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	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.01	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	10	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-R						
								Weight: 49 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 10-6-8.  
(lb) - Max Grav All reactions 250 lb or less at joint(s) 18, 10, 17, 16, 15, 14, 13, 12, 11

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

- NOTES-**
- All plates are 1.5x3 MT20 unless otherwise indicated.
  - Plates checked for a plus or minus 1 degree rotation about its center.
  - Gable requires continuous bottom chord bearing.
  - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - Gable studs spaced at 1-4-0 oc.
  - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
  - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - CAUTION, Do not erect truss backwards.

**LOAD CASE(S)** Standard