

Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 16 Overhills Creek/Harnett
J0524-2731	F01	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. Wed May 8 10:19:51 2024 Page 1
ID:ctW27XRO6qhHYLfqAdrYoOzKF?y-5Un79ZiNhocaKKR6dk_GLSqHw88YQwNo6o1Ux0zlc5s

0-1-8



Scale: 3/16"=1'

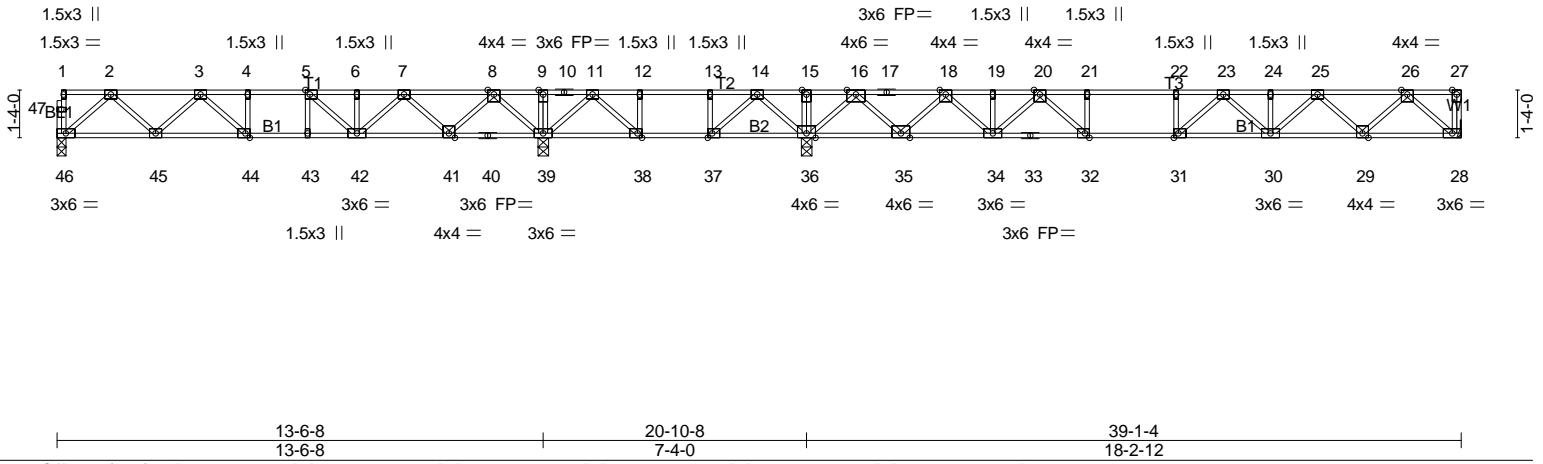


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [31:0-1-8,Edge], [32:0-1-8,Edge], [37:0-1-8,Edge], [38:0-1-8,Edge], [44:0-1-8,Edge]					
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.83	Vert(LL) -0.26 30-31 >843 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.92	Vert(CT) -0.35 30-31 >624 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.57	Horz(CT) 0.04 28 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S			Weight: 205 lb FT = 20%F, 11%E

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

REACTIONS. All bearings 0-3-8 except (jt=length) 46=0-3-0, 28=Mechanical.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 46=640(LC 3), 39=1273(LC 3), 28=893(LC 4), 36=1603(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1063/0, 3-4=-1550/0, 4-5=-1550/0, 5-6=-1319/44, 6-7=-1319/44, 7-8=-444/395, 8-9=0/1482, 9-10=0/1482, 10-11=0/1482, 11-12=-61/1332, 12-13=-61/1332, 13-14=-61/1332, 14-15=0/1764, 15-16=0/1764, 16-17=-510/159, 17-18=-510/159, 18-19=-1948/0, 19-20=-1948/0, 20-21=-2918/0, 21-22=-2918/0, 22-23=-2918/0, 23-24=-2617/0, 24-25=-2617/0, 25-26=-1594/0
BOT CHORD 45-46=0/679, 44-45=0/1415, 43-44=0/1550, 42-43=0/1550, 41-42=-196/989, 40-41=-617/0, 39-40=-617/0, 38-39=-1300/0, 37-38=-1332/61, 36-37=-1489/0, 35-36=-667/0, 34-35=0/1325, 33-34=0/2443, 32-33=0/2443, 31-32=0/2918, 30-31=0/2875, 29-30=0/2210, 28-29=0/957
WEBS 2-46=-902/0, 2-45=0/535, 3-45=-490/0, 8-39=-1218/0, 8-41=0/853, 7-41=-822/0, 7-42=0/508, 5-42=-577/0, 11-39=-538/0, 11-38=-44/391, 14-36=-631/0, 14-37=0/547, 13-37=-293/0, 26-28=-1274/0, 26-29=0/886, 25-29=-857/0, 25-30=0/553, 23-30=-351/0, 23-31=-225/347, 16-36=-1584/0, 16-35=0/1206, 18-35=-1157/0, 18-34=0/872, 20-34=-699/0, 20-32=0/866, 21-32=-430/0

- 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 16 Overhills Creek/Harnett
J0524-2731	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. Wed May 8 10:19:52 2024 Page 1
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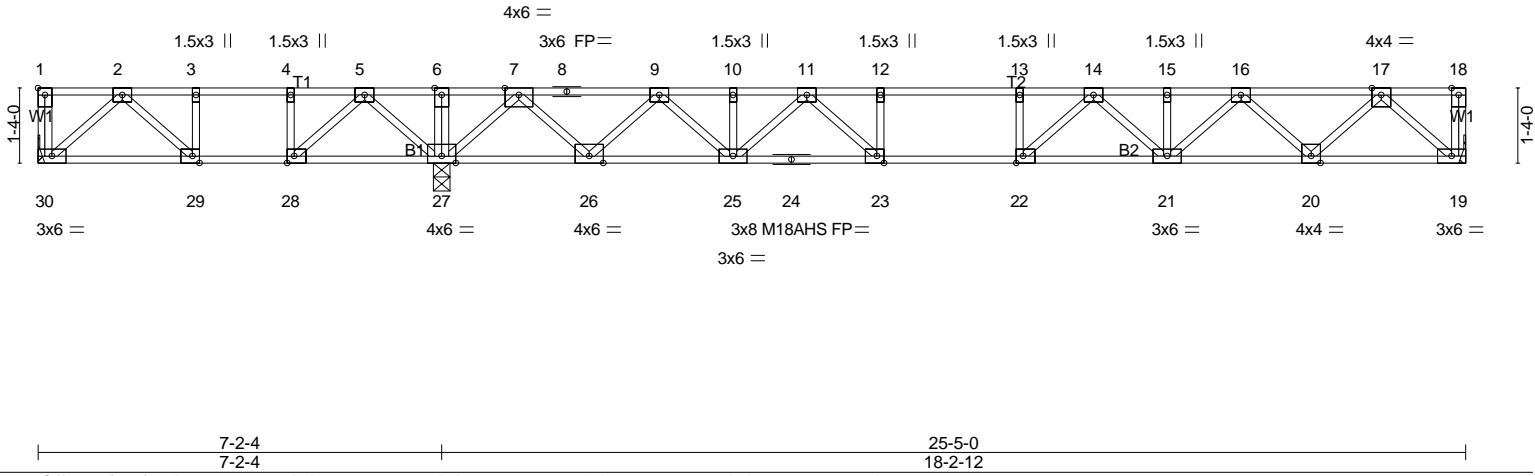


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [22:0-1-8,Edge], [23:0-1-8,Edge], [28:0-1-8,Edge], [29:0-1-8,Edge]

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 0.76	Vert(LL)	-0.25 21-22	>853	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.88	Vert(CT)	-0.34 21-22	>632	360	M18AHS	186/179
BCLL 0.0	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.05 19	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
									Weight: 134 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 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

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.

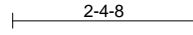
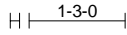
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Wellco/Lot 16 Overhills Creek/Harnett
J0524-2731	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. Wed May 8 10:19:52 2024 Page 1
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0-1-8



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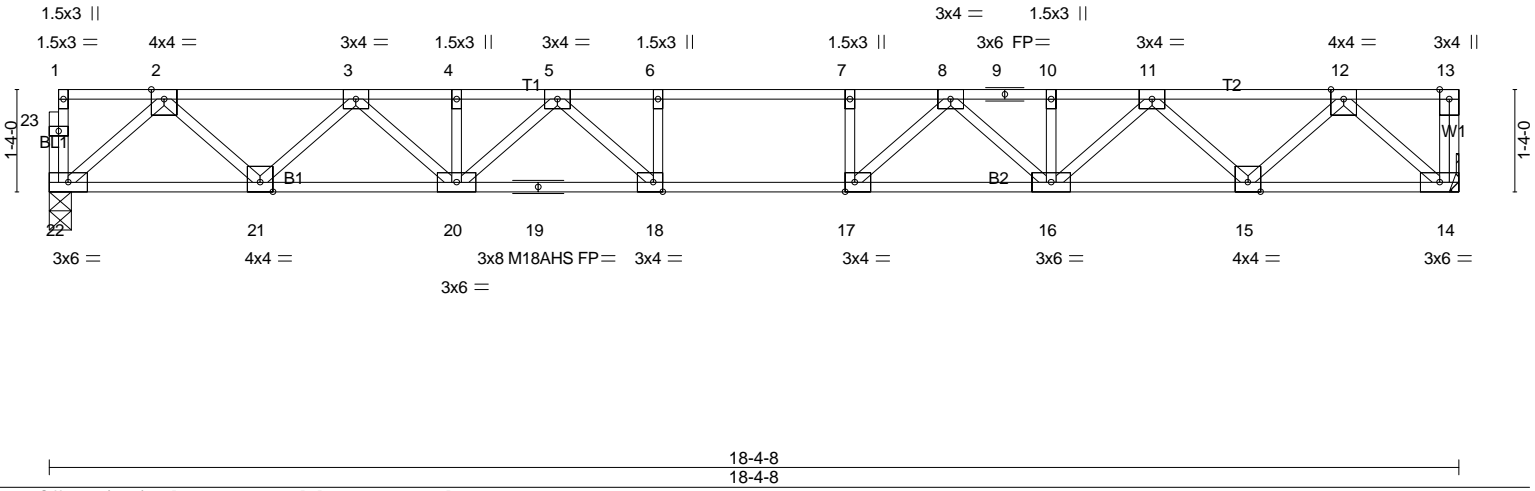


Plate Offsets (X,Y)-- [17:0-1-8,Edge], [18:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.82	Vert(LL) -0.25 16-17 >854 480	M18AHS	186/179
BCLL 0.0	Lumber DOL 1.00	WB 0.49	Vert(CT) -0.34 16-17 >639 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.07 14 n/a n/a		
	Code IRC2015/TPI2014			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 16 Overhills Creek/Harnett
J0524-2731	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. Wed May 8 10:19:53 2024 Page 1
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0-1-8



0-1-8
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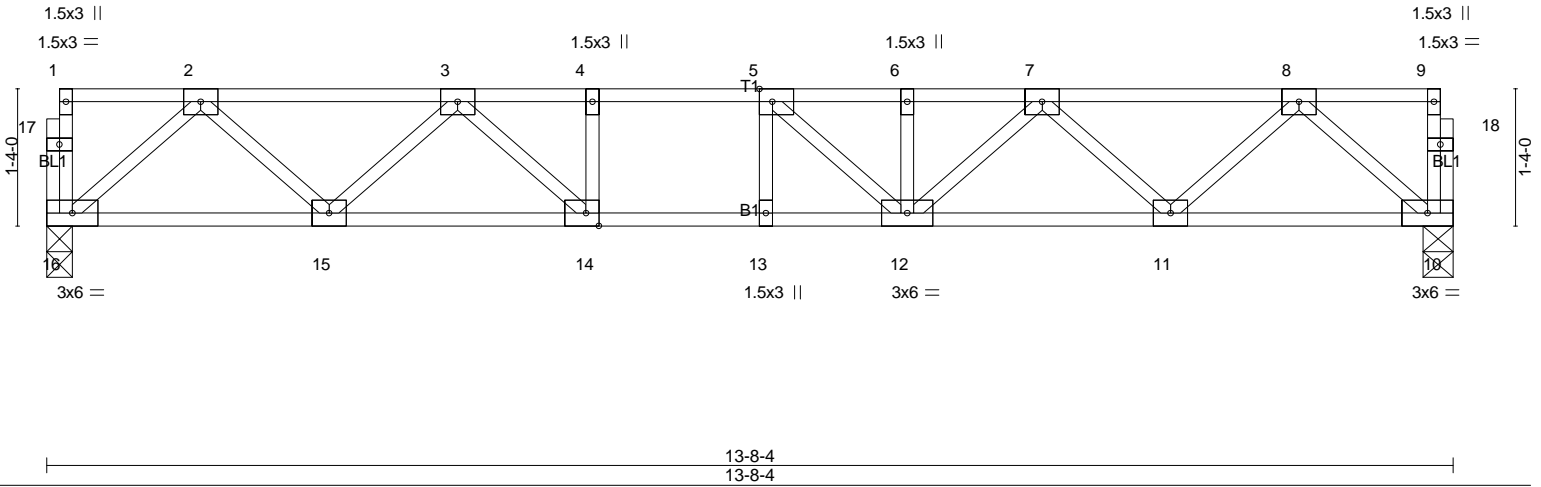


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.39	Vert(LL)	-0.10	12-13	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.59	Vert(CT)	-0.13	12-13	>999		
BCLL 0.0	Lumber DOL 1.00	WB 0.32	Horz(CT)	0.03	10	n/a		
BCDL 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=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 16 Overhills Creek/Harnett
J0524-2731	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. Wed May 8 10:19:53 2024 Page 1
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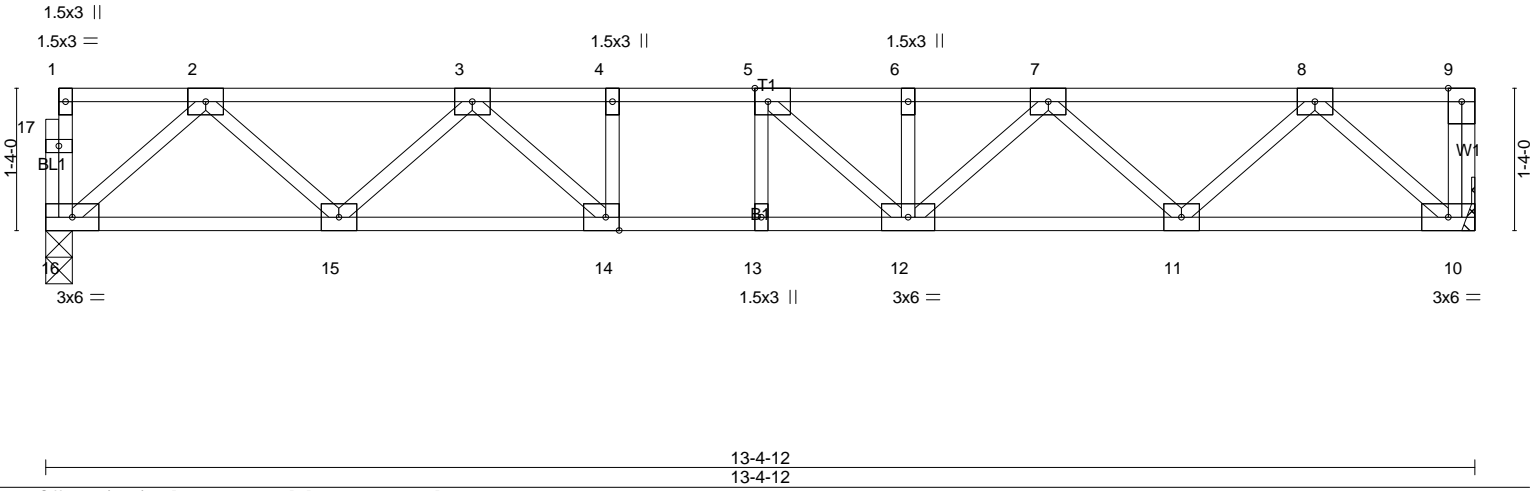


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-1-8,Edge]

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	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.52	Vert(CT)	-0.11	12-13	>999		
BCLL 0.0	Lumber DOL 1.00	WB 0.31	Horz(CT)	0.03	10	n/a		
BCDL 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 16 Overhills Creek/Harnett
J0524-2731	F06	Floor	1	1	Job Reference (optional)

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

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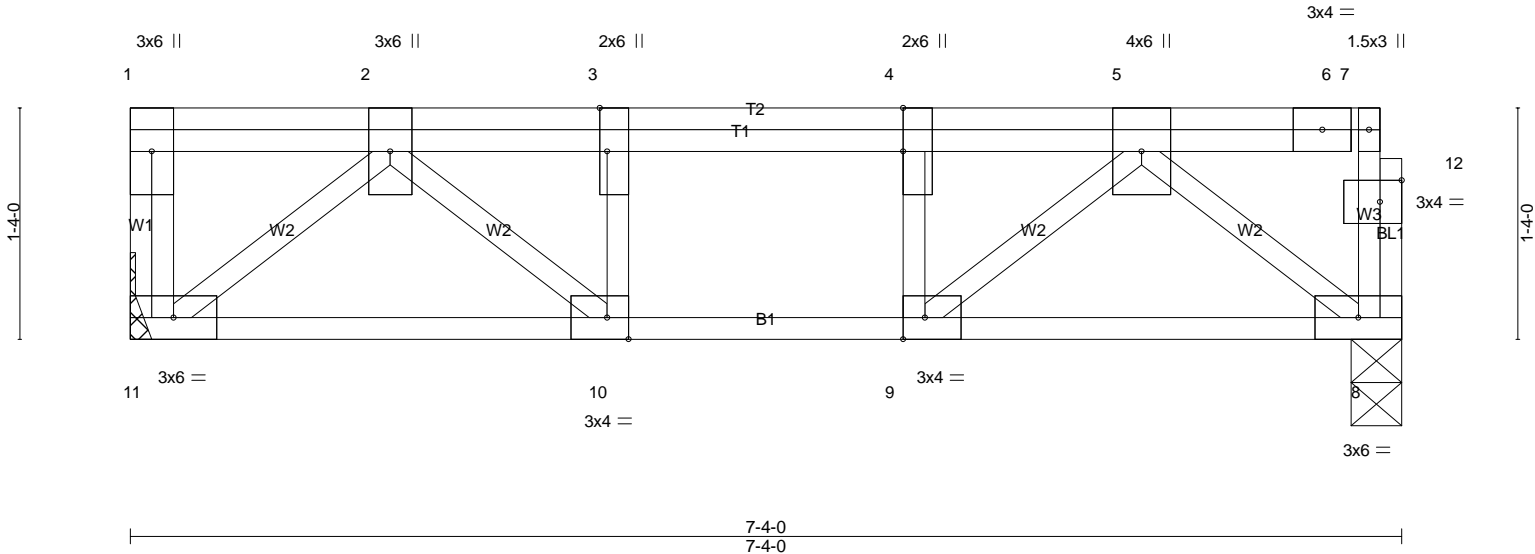


Plate Offsets (X,Y)-- [3:0-3-0,Edge], [4:0-3-0,Edge], [9:0-1-8,Edge], [10:0-1-8,Edge], [12:0-1-8,0-1-8]

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 16 Overhills Creek/Harnett
J0524-2731	KW1	Floor Supported Gable	1	1	Job Reference (optional)

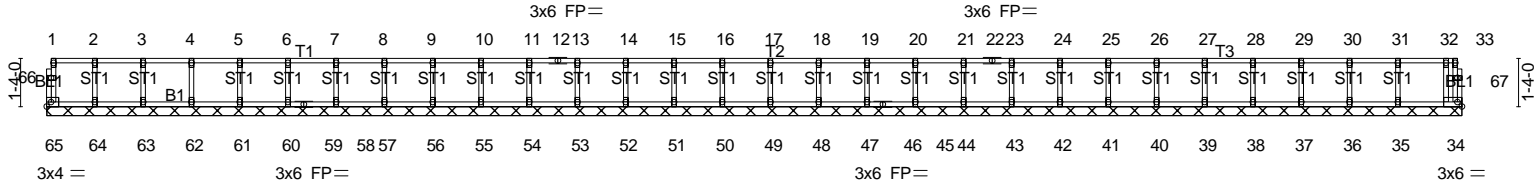
Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

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0-1-8
H

0-1-8
H

Scale: 3/16"=1'



39-1-4
39-1-4

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 0.07	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.02	Vert(CT) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 34 n/a 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 16 Overhills Creek/Harnett
J0524-2731	KW2	Floor Supported Gable	1	1	Job Reference (optional)

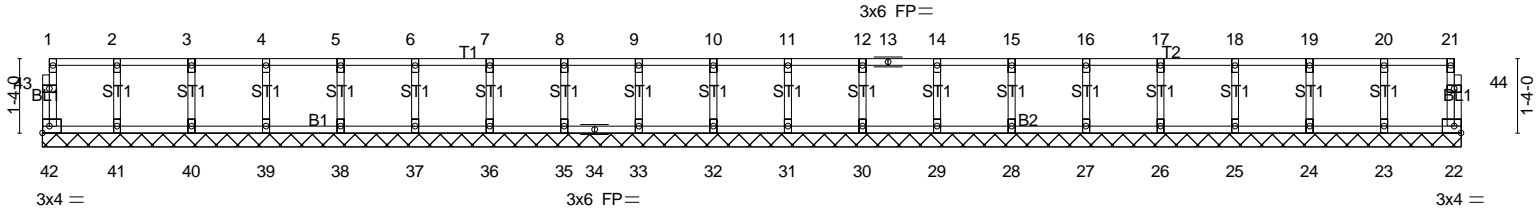
Comtech, Inc., Fayetteville, NC 28309, Curtis Quick

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Wed May 8 10:19:55 2024 Page 1
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0-1-8

0-1-8

Scale = 1:41.2



25-4-8
25-4-8

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-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 16 Overhills Creek/Harnett
J0524-2731	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. Wed May 8 10:19:56 2024 Page 1
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0r1:8

Scale = 1:16.9

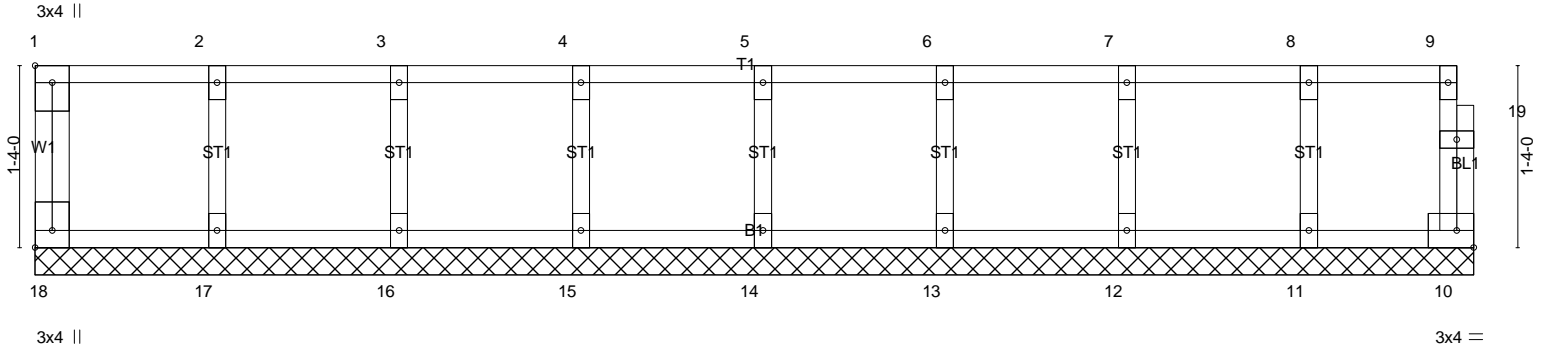


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [18:Edge,0-1-8]	
10-6-8	10-6-8

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-	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)	
OTHERS 2x4 SP No.3(flat)	

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-**
- 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