Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F01	Floor	2	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:45 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-vzREXKFcyL5?l62OU8GTk9inlOtW5pC7ZpgxRDzy8Aq

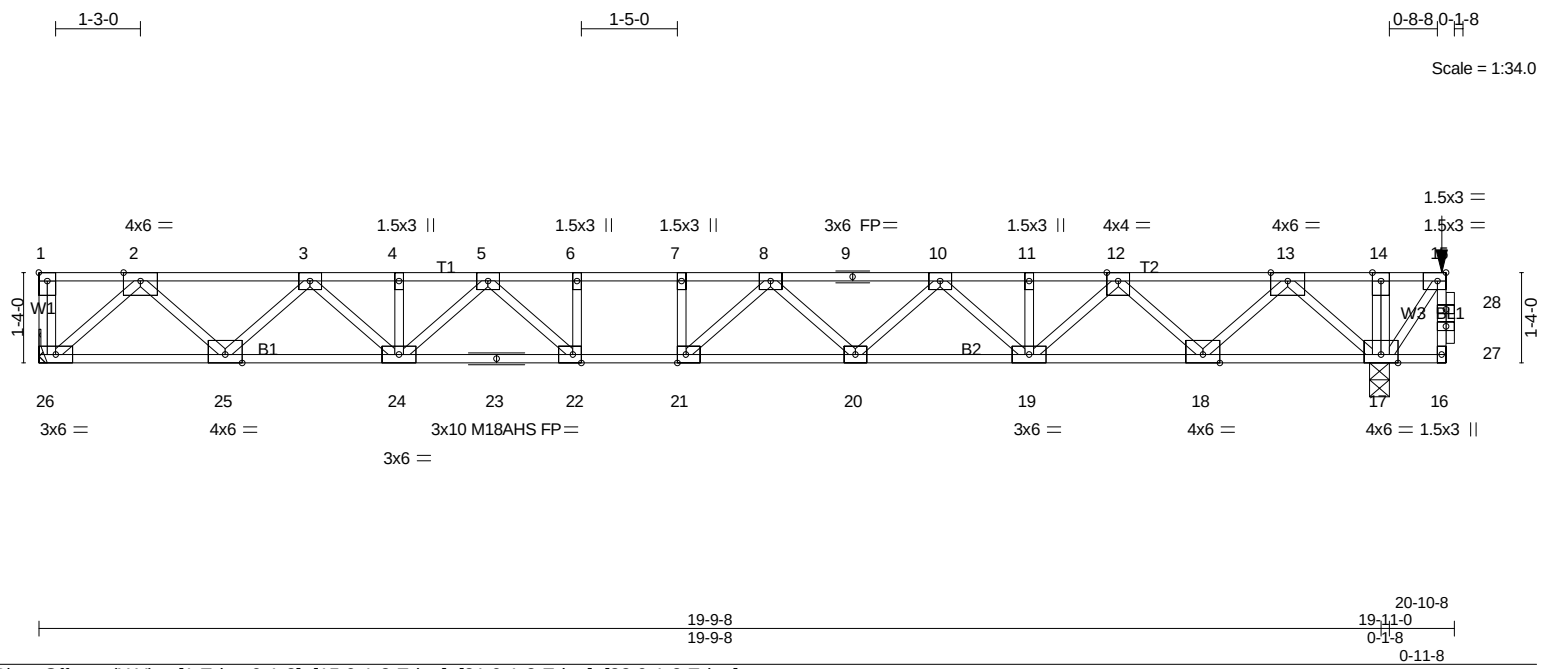


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [15:0-1-8,Edge], [21:0-1-8,Edge], [22:0-1-8,Edge]

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	0.70	Vert(LL)	-0.31	20-21	>756	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.63	Vert(CT)	-0.43	20-21	>549	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.06	17	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 114 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(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) 26=1063/Mechanical, 17=1549/0-3-8 (min. 0-1-8)
Max Grav 26=1064(LC 3), 17=1549(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1970/0, 3-4=-3334/0, 4-5=-3334/0, 5-6=-4179/0, 6-7=-4179/0, 7-8=-4179/0, 8-9=-4005/0, 9-10=-4005/0, 10-11=-3200/0, 11-12=-3200/0, 12-13=-1759/0, 13-14=0/285, 14-15=0/284
BOT CHORD 25-26=0/1154, 24-25=0/2750, 23-24=0/3800, 22-23=0/3800, 21-22=0/4179, 20-21=0/4229, 19-20=0/3729, 18-19=0/2583, 17-18=0/913
WEBS 2-26=-1536/0, 2-25=0/1134, 3-25=-1085/0, 3-24=0/794, 5-24=-634/0, 5-22=0/740, 6-22=-332/0, 13-17=-1556/0, 13-18=0/1180, 12-18=-1148/0, 12-19=0/841, 10-19=-721/0, 10-20=0/387, 8-20=-369/0, 8-21=-352/392, 15-17=-474/0

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) 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
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-26=-10, 1-15=-100
Concentrated Loads (lb)
Vert: 15=-350

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F01G	Floor	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:46 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-NA?dkgFEjeDsNFdb1rniHMF1HoDDqDRGnTPVzgzy8Ap

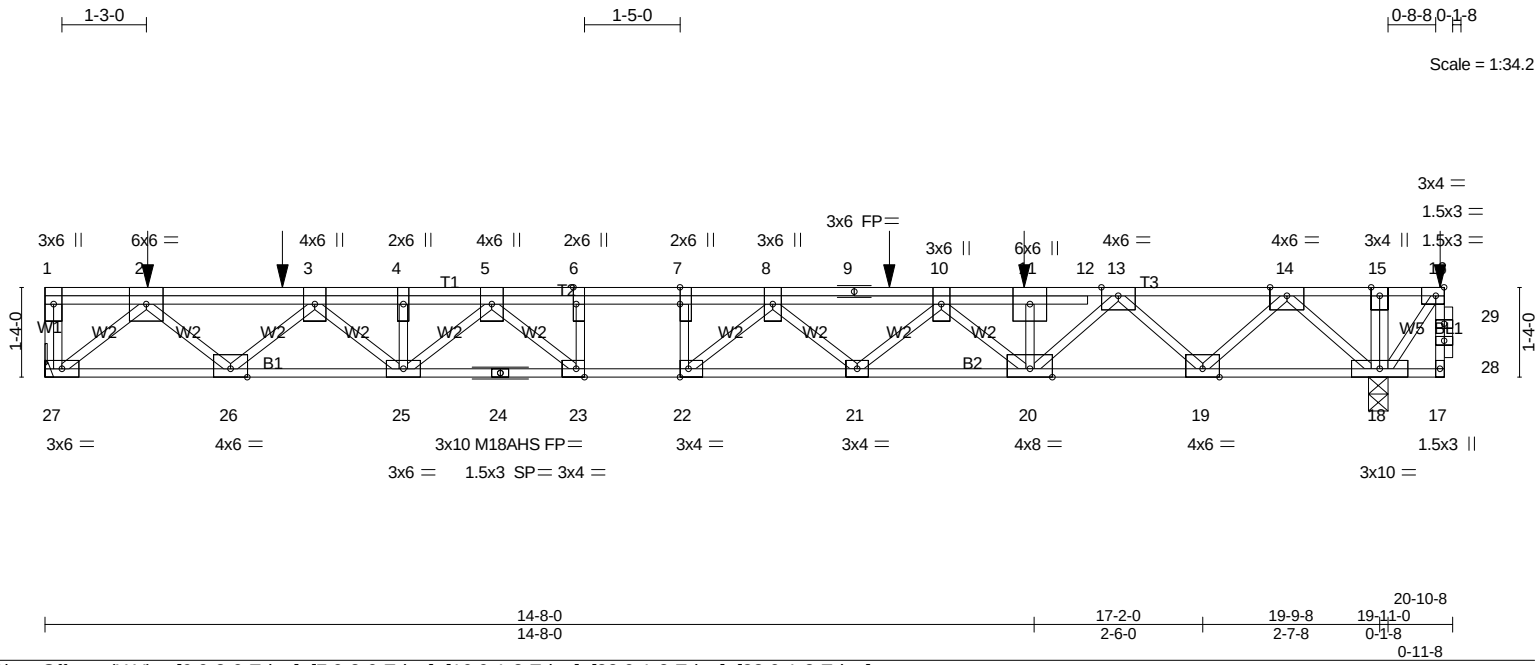


Plate Offsets (X,Y)-- [6:0-3-0,Edge], [7:0-3-0,Edge], [16:0-1-8,Edge], [22:0-1-8,Edge], [23:0-1-8,Edge]

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	0.32	Vert(LL)	-0.27	21-22	>886	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.37	21-22	>632	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.08	18	n/a	n/a		
BCDL	5.0	Code IRC2021/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=1263/Mechanical, 18=1745/0-3-8 (min. 0-1-8)
Max Grav 27=1265(LC 3), 18=1745(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-2429/0, 3-30=-2429/0, 3-4=-4071/0, 4-5=-4071/0, 5-6=-5109/0, 6-7=-5109/0, 7-8=-5109/0, 8-9=-5065/0, 9-31=-5065/0, 10-31=-5065/0, 10-11=-4184/0, 11-12=-4185/0, 12-13=-4184/0, 13-14=-2178/0, 14-15=0/281, 15-16=0/280
BOT CHORD 26-27=0/1449, 25-26=0/3376, 24-25=0/4566, 23-24=0/4566, 22-23=0/5109, 21-22=0/5269, 20-21=0/4820, 19-20=0/3199, 18-19=0/1136
WEBS 2-27=-1886/0, 2-26=0/1330, 3-26=-1285/0, 3-25=0/922, 5-25=-657/0, 5-23=0/908, 6-23=-528/0, 14-18=-1850/0, 14-19=0/1453, 13-19=-1422/0, 13-20=0/1340, 11-20=-329/0, 10-20=-848/0, 10-21=0/334, 8-21=-279/0, 8-22=-476/137, 7-22=-71/282, 16-18=-467/0

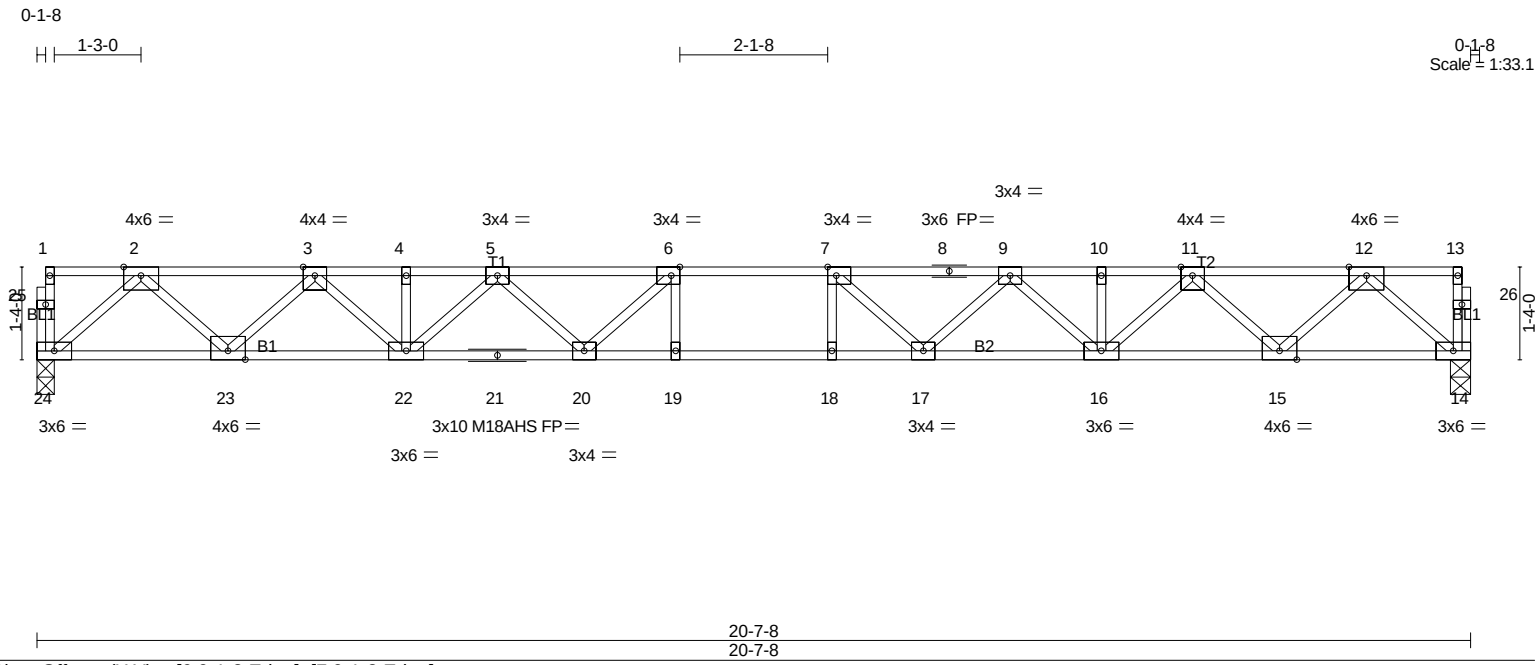
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) The Fabrication Tolerance at joint 24 = 11%
4) Plates checked for a plus or minus 1 degree rotation about its center.
5) Refer to girder(s) for truss to truss connections.
6) 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.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 152 lb down at 1-6-4, 152 lb down at 3-6-4, and 152 lb down at 12-6-4, and 261 lb down at 14-6-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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: 17-27=-10, 1-16=-100
Concentrated Loads (lb)
Vert: 16=-350 2=-72(F) 11=-181(F) 30=-72(F) 31=-72(F)

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F02	Floor	15	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:46 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-NA?dkgFEjeDsNFdb1rniHMF1hoCFqECGnTPVzgzy8Ap



20-7-8
20-7-8

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,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	0.36	Vert(LL)	-0.30	18-19	>805	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.42	18-19	>584	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.07	14	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 108 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) 24=1114/0-3-0 (min. 0-1-8), 14=1114/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2089/0, 3-4=-3576/0, 4-5=-3576/0, 5-6=-4411/0, 6-7=-4692/0, 7-8=-4411/0, 8-9=-4411/0, 9-10=-3576/0, 10-11=-3576/0, 11-12=-2089/0
BOT CHORD 23-24=0/1215, 22-23=0/2934, 21-22=0/4124, 20-21=0/4124, 19-20=0/4692, 18-19=0/4692, 17-18=0/4692, 16-17=0/4124, 15-16=0/2934, 14-15=0/1215
WEBS 2-24=-1616/0, 2-23=0/1215, 3-23=-1175/0, 3-22=0/872, 5-22=-745/0, 5-20=0/540, 6-20=-690/66, 12-14=-1616/0, 12-15=0/1215, 11-15=-1175/0, 11-16=0/872, 9-16=-745/0, 9-17=0/540, 7-17=-690/66

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 1.5x3 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
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	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F03	Floor	2	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:47 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-rMZ?y0GsUyMj_PCnbZIxpan4wCVHZjnQ0792W6zy8Ao

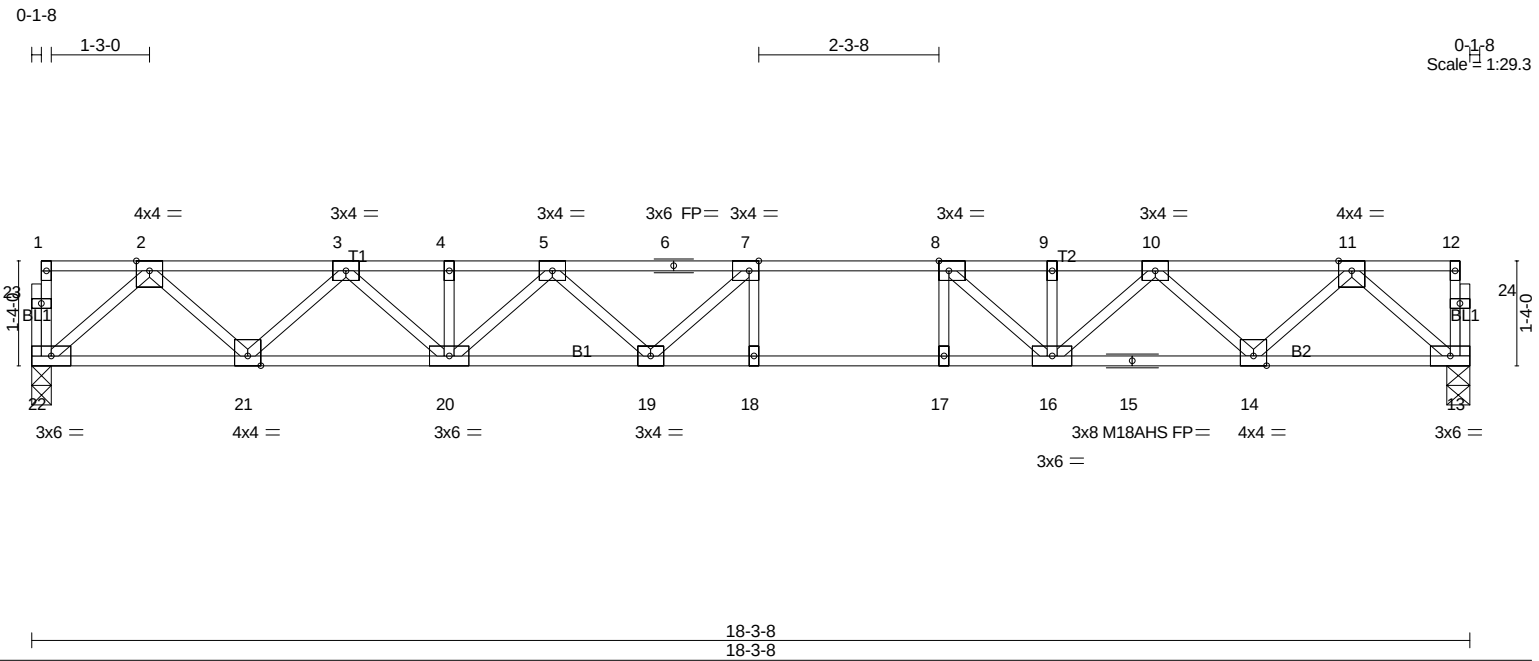


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge]

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	0.84	Vert(LL)	-0.29	18-19	>757	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.39	18-19	>554	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.05	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 96 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 22=986/0-3-0 (min. 0-1-8), 13=986/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1813/0, 3-4=-3018/0, 4-5=-3018/0, 5-6=-3591/0, 6-7=-3591/0, 7-8=-3599/0, 8-9=-2995/0, 9-10=-2995/0, 10-11=-1817/0
BOT CHORD 21-22=0/1070, 20-21=0/2523, 19-20=0/3458, 18-19=0/3599, 17-18=0/3599, 16-17=0/3599, 15-16=0/2520, 14-15=0/2520, 13-14=0/1072
WEBS 2-22=-1423/0, 2-21=0/1033, 3-21=-988/0, 3-20=0/672, 5-20=-599/0, 5-19=0/357, 7-19=-390/256, 7-18=-283/79, 11-13=-1424/0, 11-14=0/1037, 10-14=-978/0, 10-16=0/645, 8-16=-1028/0, 8-17=-40/311

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 1.5x3 MT20 unless otherwise indicated.
4) Plates checked for a plus or minus 1 degree rotation about its center.
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	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F04	Floor	4	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:47 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-rMZ?y0GsUyMj_PCnbZIxpan8CCWQZjzQ0792W6zy8Ao

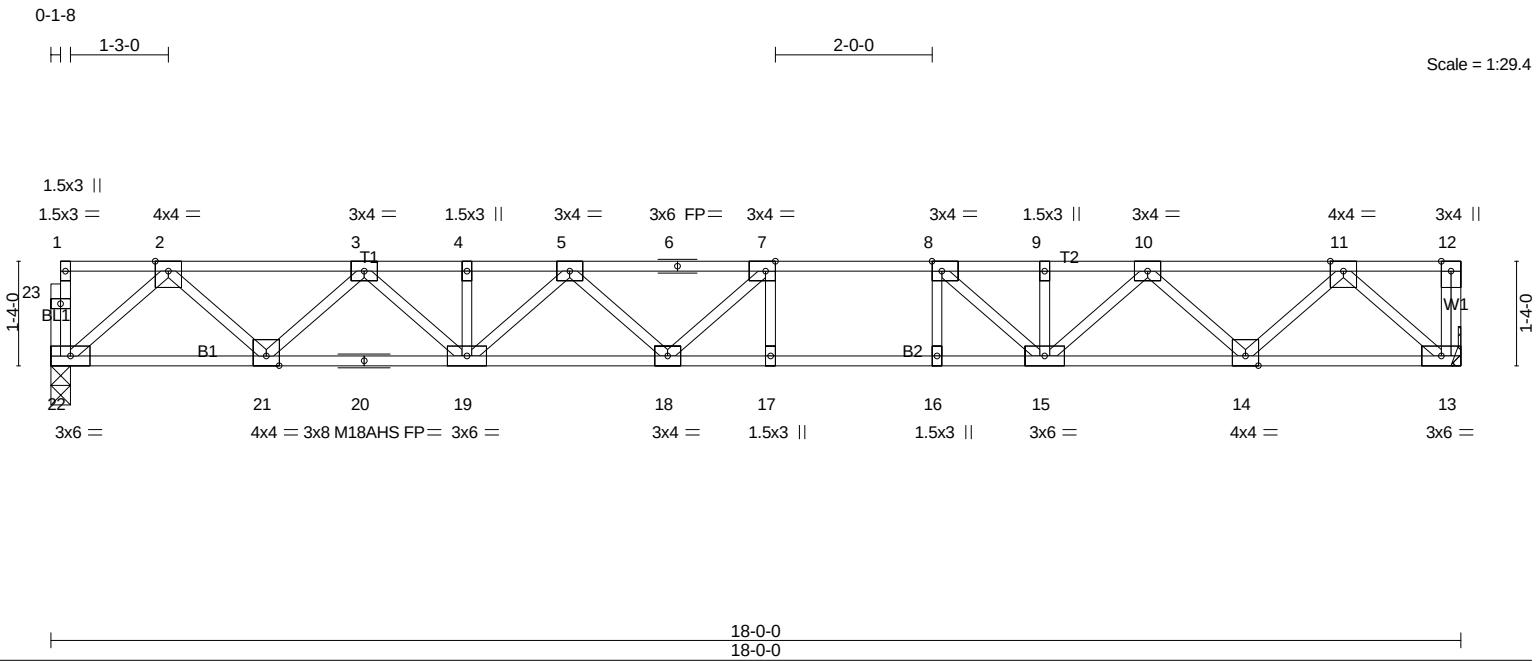


Plate Offsets (X,Y)-- [7:0-1-8,Edge], [8:0-1-8,Edge]

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	0.63	Vert(LL)	-0.25	17-18	>843	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.73	Vert(CT)	-0.35	17-18	>614	360	M18AHS	186/179
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.05	13	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 95 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(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) 22=970/0-3-0 (min. 0-1-8), 13=976/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1778/0, 3-4=-2950/0, 4-5=-2950/0, 5-6=-3488/0, 6-7=-3488/0, 7-8=-3489/0, 8-9=-2932/0, 9-10=-2932/0, 10-11=-1782/0
BOT CHORD 21-22=0/1052, 20-21=0/2472, 19-20=0/2472, 18-19=0/3371, 17-18=0/3489, 16-17=0/3489, 15-16=0/3489, 14-15=0/2469, 13-14=0/1054
WEBS 2-22=-1398/0, 2-21=0/1010, 3-21=-965/0, 3-19=0/649, 5-19=-573/0, 5-18=0/332, 7-18=-359/255, 7-17=-273/76, 11-13=-1403/0, 11-14=0/1012, 10-14=-956/0, 10-15=0/629, 8-15=-951/0, 8-16=-42/298

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) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F05	Floor	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:47 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-rMZ?y0GsUyMj_PCnbZIxpanDFCeLZnOQ0792W6zy8Ao

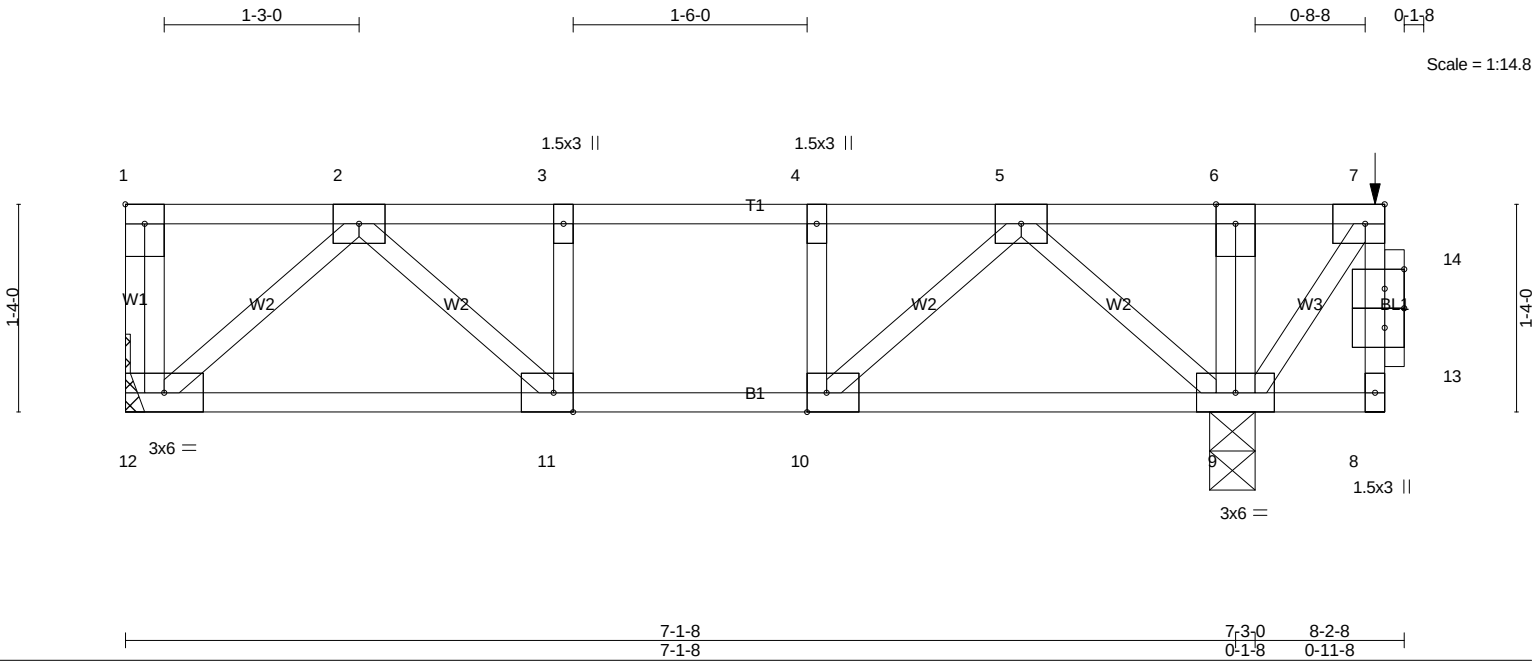


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [10:0-1-8,Edge], [11:0-1-8,Edge], [13:0-1-8,0-1-8], [14:0-1-8,0-1-8]

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	0.31	Vert(LL)	-0.03	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.04	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.00	9	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 48 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: 9-10.

REACTIONS. (lb/size) 12=333/Mechanical, 9=886/0-3-8 (min. 0-1-8)
Max Grav 12=337(LC 3), 9=886(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-407/0, 3-4=-407/0, 4-5=-407/0, 5-6=0/290, 6-7=0/289
BOT CHORD 11-12=0/305, 10-11=0/407
WEBS 2-12=-406/0, 5-9=-527/0, 5-10=0/416, 7-9=-481/0

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) 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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 8-12=-10, 1-7=-100
Concentrated Loads (lb)
Vert: 7=-350

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F06	Floor	3	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:48 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-JY7N9MHVFGUacZnz9GqAMnKRYc1SIH7ZFnub2Yzy8An

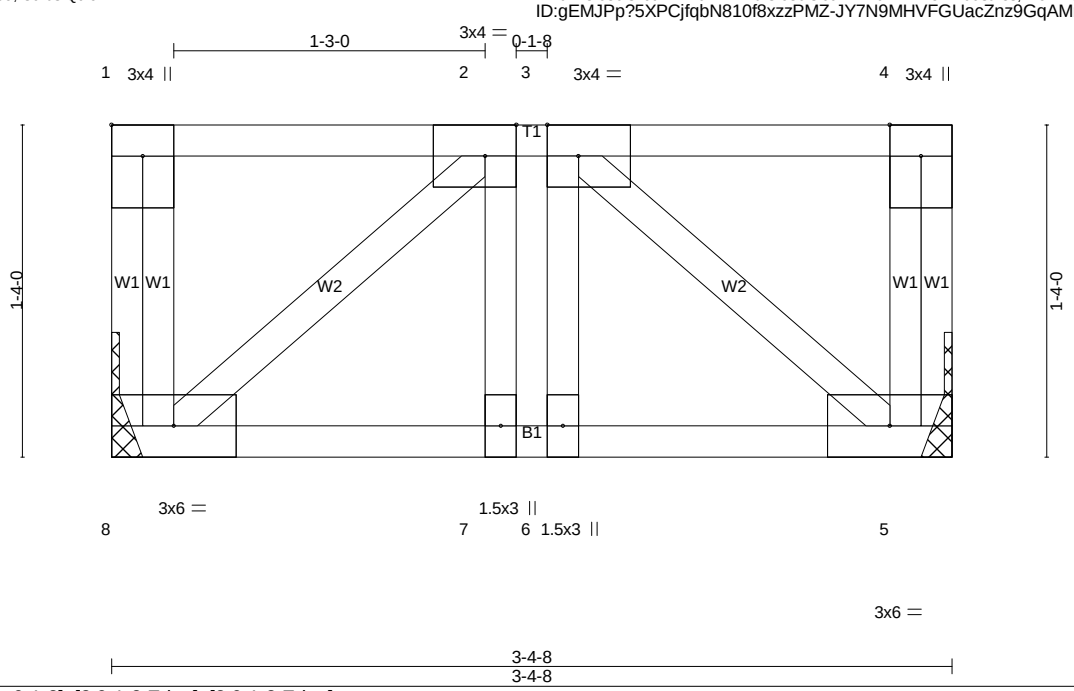


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge]

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	0.08	Vert(LL)	-0.00	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 25 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 3-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=172/Mechanical, 5=172/Mechanical

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

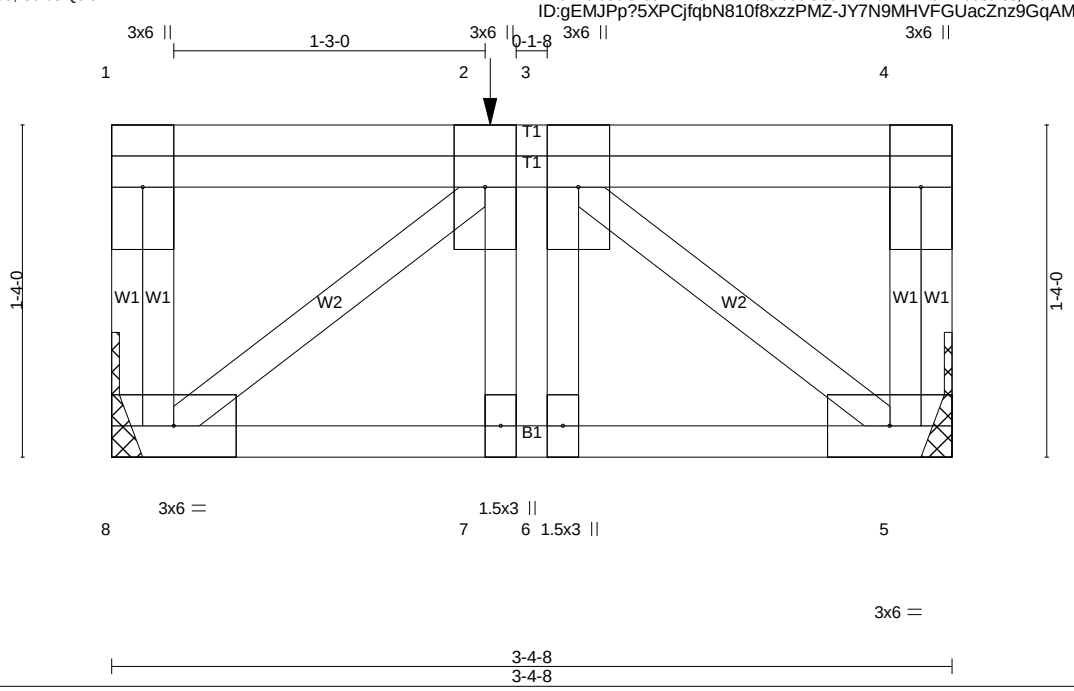
NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Plates checked for a plus or minus 1 degree rotation about its center.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (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	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F06G	Floor Girder	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:48 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-JY7N9MHVFGUacZnz9GqAMnKS1c0yIGSZFnub2Yzy8An



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	0.05	Vert(LL)	-0.00	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.07	Vert(CT)	-0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-S							Weight: 28 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 3-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=300/Mechanical, 5=281/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-272/0
BOT CHORD 7-8=0/272, 6-7=0/272, 5-6=0/272
WEBS 3-5=-347/0, 2-8=-347/0

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) 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.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 279 lb down at 1-6-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
6) 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: 5-8=-10, 1-4=-100
Concentrated Loads (lb)
Vert: 2=-237(F)

Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	F07	Floor	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:49 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-nlglMhI70ZcREjMAj_LPu?tdl?Nq1kUjTRe9a_zy8Am

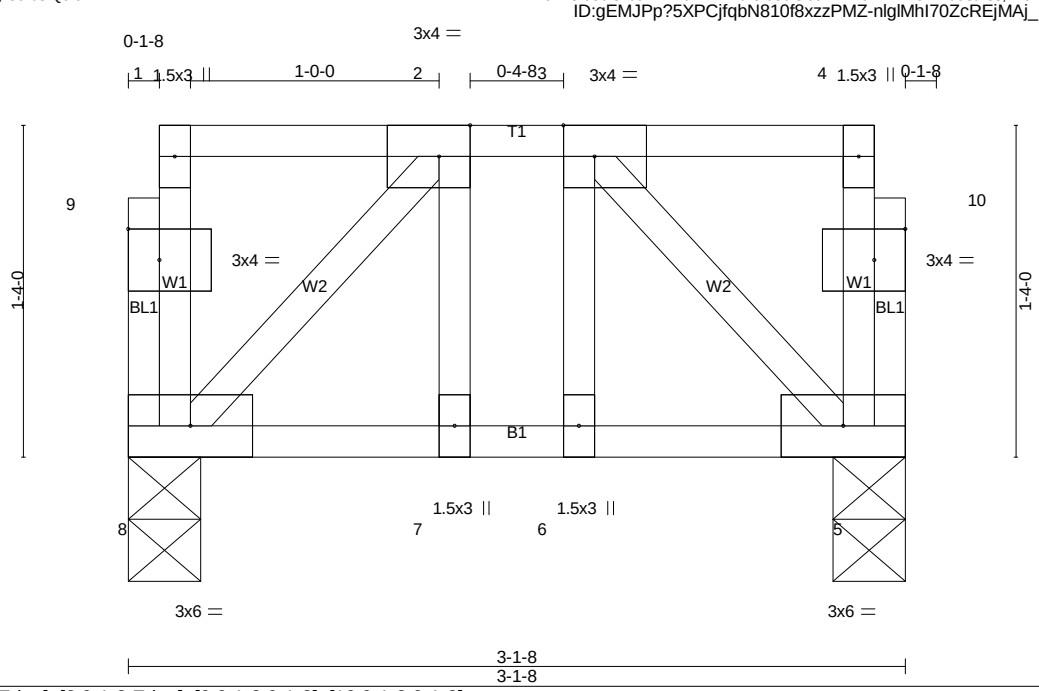


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,0-1-8], [10:0-1-8,0-1-8]

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	0.05	Vert(LL)	-0.00	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.03	Vert(CT)	-0.00	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2021/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 3-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=152/0-3-8 (min. 0-1-8), 5=152/0-3-8 (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) Plates checked for a plus or minus 1 degree rotation about its center.
3) 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

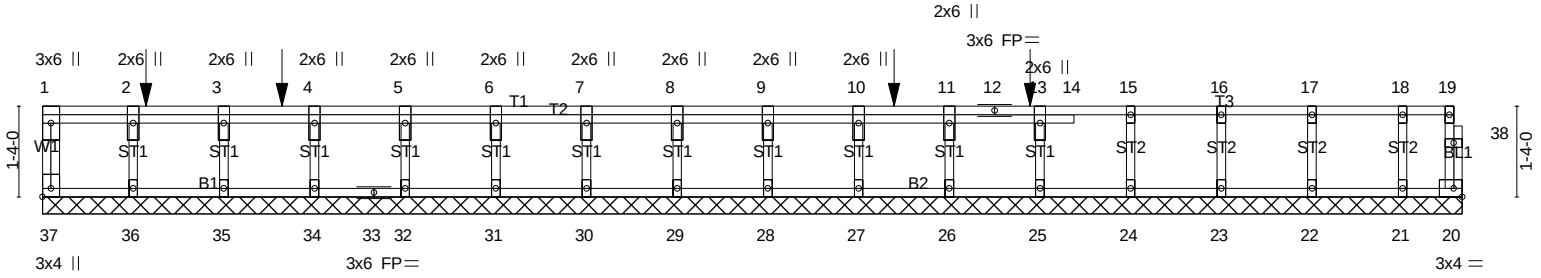
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	KW1	Floor Girder	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:50 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-GxE7a1llntkIrtxMGhseRCPnIPjSmA3si4Ni6Rzy8Al

0-1-8

Scale = 1:33.9



20-10-8
20-10-8

Plate Offsets (X,Y)-- [37: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	0.07	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	NO	WB	0.07	Horz(CT)	0.00	20	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-R							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 20-10-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 37, 20, 36, 35, 34, 32, 31, 30, 29, 28, 27, 26, 24, 23, 22, 21 except 25=342(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 13-25=-329/0

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) 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.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down at 1-6-4, 72 lb down at 3-6-4, and 72 lb down at 12-6-4, and 200 lb down at 14-6-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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: 20-37=-10, 1-19=-100
Concentrated Loads (lb)
Vert: 2=-72(B) 13=-200(B) 39=-72(B) 40=-72(B)

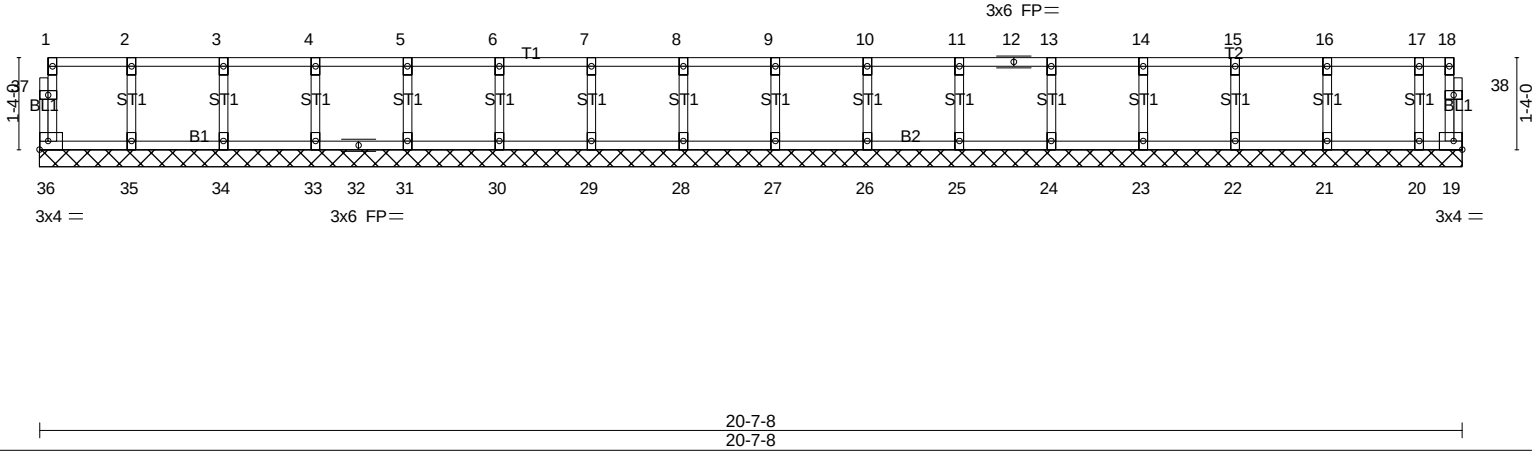
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	KW2	Floor Supported Gable	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:50 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-GxE7a1IlntklrtxMGhseRCPoQPjLmBksi4Ni6Rzy8Al

0-1-8 0-1-8

Scale = 1:33.4



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	0.06	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	19	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-R							Weight: 91 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 20-7-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20

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) 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

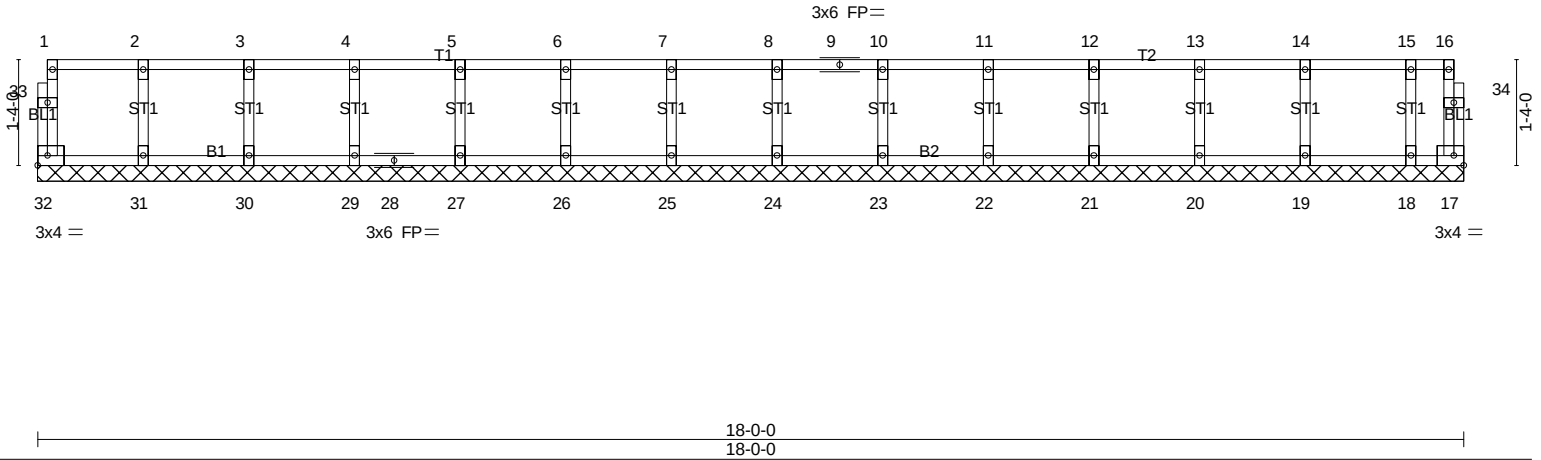
Job	Truss	Truss Type	Qty	Ply	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	KW3	Floor Supported Gable	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:50 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-GxE7a1IlntkIrtxMGhseRCPoQPjMmBksi4Ni6Rzy8Al

0-1-8 0-1-8

Scale = 1:29.1



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	17	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-R							Weight: 80 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 18-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18

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) 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	Gammon/Lot 4 Rollins Acres/Harnett
J1224-6709	KW4	Floor Supported Gable	1	1	Job Reference (optional)

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

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Mon Jan 6 09:01:51 2025 Page 1
ID:gEMJPp?5XPCjfqbN810f8xzzPMZ-k7oWnNJNYBs9T1WYqPNt_QyyDp3gVe??xk7Gftzy8Ak

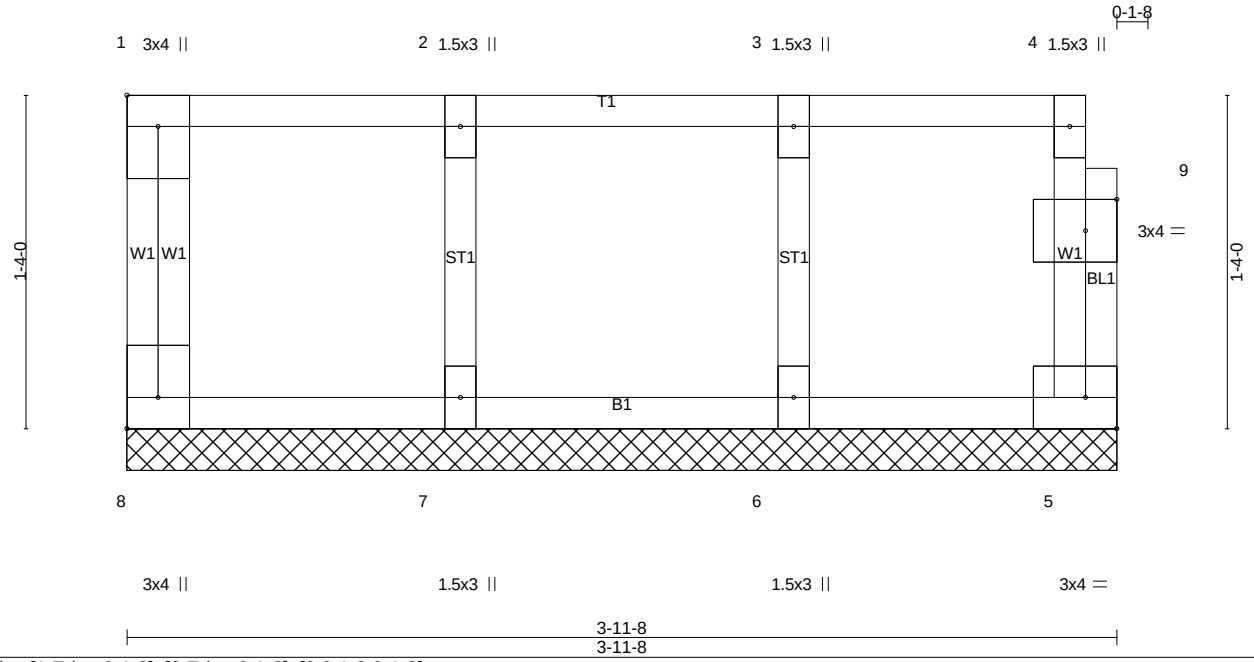


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [8:Edge,0-1-8], [9:0-1-8,0-1-8]

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	0.06	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	5	n/a	n/a		
BCDL	5.0	Code IRC2021/TPI2014		Matrix-R							Weight: 21 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 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 3-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 8, 5, 7, 6

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

NOTES-
1) Plates checked for a plus or minus 1 degree rotation about its center.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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.

LOAD CASE(S) Standard