

RE: J0520-2109
Weaver / 3 Adcock Farm / Harnett

Trenco
818 Soundside Rd
Edenton, NC 27932

Site Information:

Customer: Project Name: J0520-2109
Lot/Block: Model:
Address: Subdivision:
City: State:

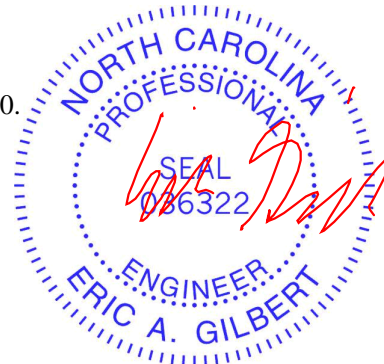
General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Design Program: MiTek 20/20 8.3
Wind Code: N/A Wind Speed: N/A mph
Roof Load: N/A psf Floor Load: 55.0 psf

This package includes 12 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date
1	E14248395	F1	5/18/2020
2	E14248396	F1A	5/18/2020
3	E14248397	F2	5/18/2020
4	E14248398	F2A	5/18/2020
5	E14248399	F3	5/18/2020
6	E14248400	F3A	5/18/2020
7	E14248401	F4	5/18/2020
8	E14248402	F5	5/18/2020
9	E14248403	KW1	5/18/2020
10	E14248404	KW2	5/18/2020
11	E14248405	KW3	5/18/2020
12	E14248406	KW4	5/18/2020

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville. Truss Design Engineer's Name: Gilbert, Eric My license renewal date for the state of North Carolina is December 31, 2020. North Carolina COA: C-0844



IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job J0520-2109	Truss F1	Truss Type Floor	Qty 1	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248395
-------------------	-------------	---------------------	----------	----------	----------------------------------	-----------

Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:50 2020 Page 1
ID:uB1kUybQLa2UVI5Eak1M8Myf?Wk-jYPOd4RJ6Hi3XkJOci41y2xgwDGKWM7VG0DwlyzV8ud

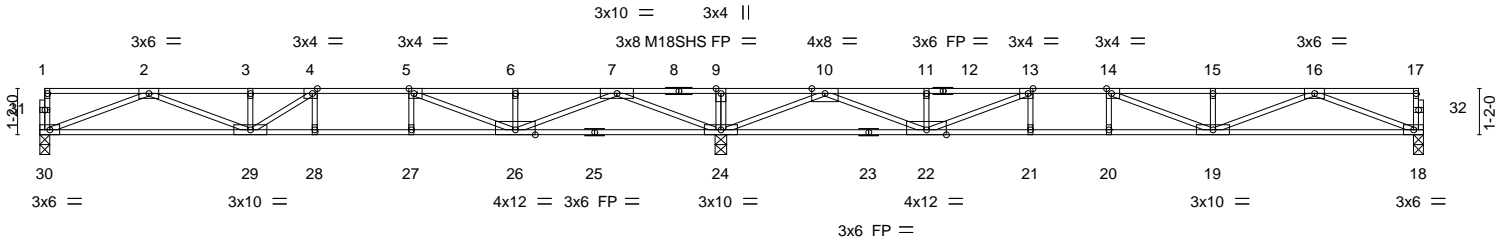


Plate Offsets (X,Y)--	[4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge]
-----------------------	--

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 0.80	Vert(LL)	-0.27	19-20	>791	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.66	Vert(CT)	-0.36	19-20	>585	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.89	Horz(CT)	0.05	18	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S							
									Weight: 168 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 2400F 2.0E (flat) *Except* 23-25: 2x4 SP No.1 (flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 24-26,22-24.
WEBS 2x4 SP No.3 (flat)	

REACTIONS. (size) 30=0-3-0, 24=0-3-8, 18=0-3-0
Max Grav 30=817(LC 3), 24=2262(LC 1), 18=851(LC 4)

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

TOP CHORD 2-3=-2725/0, 3-4=-2725/0, 4-5=-2891/0, 5-6=-1981/416, 6-7=-1981/416, 7-9=0/2825, 9-10=0/2825, 10-11=-2107/394, 11-13=-2107/394, 13-14=-3126/0, 14-15=-2925/0, 15-16=-2925/0

BOT CHORD 29-30=0/1752, 28-29=0/2891, 27-28=0/2891, 26-27=0/2891, 24-26=-1049/449, 22-24=-1040/517, 21-22=0/3126, 20-21=0/3126, 19-20=0/3126, 18-19=0/1832

WEBS 9-24=-286/0, 2-30=-1878/0, 2-29=0/1051, 3-29=-293/0, 7-24=-2546/0, 7-26=0/1818, 6-26=-260/23, 5-26=-1378/0, 4-29=-269/380, 10-24=-2610/0, 10-22=0/1879, 11-22=-263/23, 13-22=-1468/0, 16-18=-1964/0, 16-19=0/1180, 15-19=-330/0, 14-19=-295/415

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Plates checked for a plus or minus 1 degree rotation about its center.
 - 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.



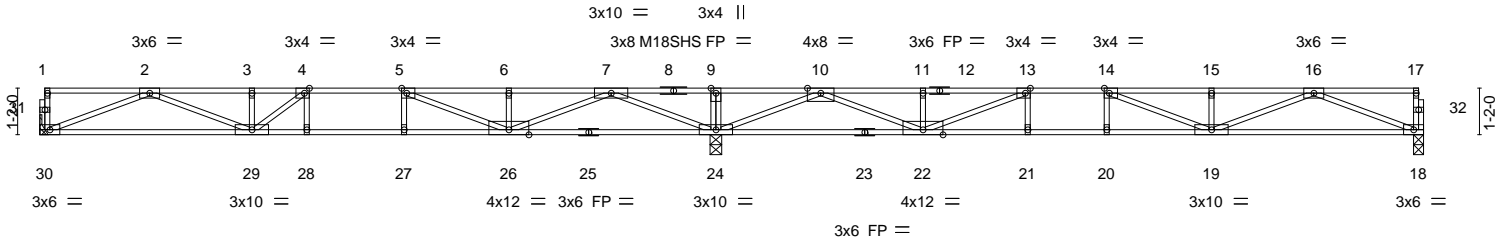
April 1, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-743 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
--	---

Job J0520-2109	Truss F1A	Truss Type Floor	Qty 5	Ply 1	Weaver / 3 Adcock Farm / Harnett Job Reference (optional)	E14248396
-------------------	--------------	---------------------	----------	----------	--	-----------

Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:51 2020 Page 1
ID:uB1kUybQLa2UVI5EAK1M8Myf?Wk-BlzmqQSxtbqw9uuCIPcGVGTredXdFpMeUgZUHOzV8uc



16-11-4		34-8-0			
16-11-4		17-8-12			
Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-8,Edge], [14:0-1-8,Edge]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.80	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.98	Vert(LL) -0.27 19-20 >790 480	M18SHS	244/190
BCLL 0.0	Lumber DOL 1.00	WB 0.90	Vert(CT) -0.36 19-20 >585 360		
BCDL 5.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.06 18 n/a n/a		
	Code IRC2015/TP12014			Weight: 167 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) *Except* 18-23: 2x4 SP 2400F 2.0E(flat)	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

REACTIONS. (size) 30=Mechanical, 24=0-3-8, 18=0-3-0
Max Grav 30=799(LC 3), 24=2252(LC 1), 18=852(LC 4)

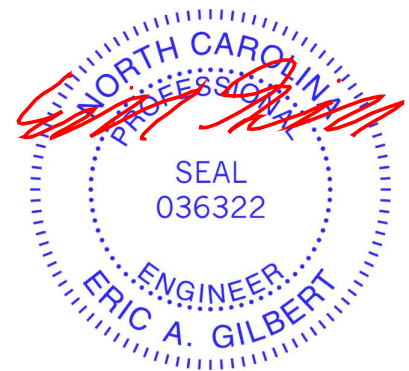
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-2634/0, 3-4=-2634/0, 4-5=-2766/0, 5-6=-1895/408, 6-7=-1895/408, 7-9=0/2839, 9-10=0/2839, 10-11=-2126/425, 11-13=-2126/425, 13-14=-3140/0, 14-15=-2932/0, 15-16=-2932/0

BOT CHORD 29-30=0/1706, 28-29=0/2766, 27-28=0/2766, 26-27=0/2766, 24-26=-1030/383, 22-24=-1077/540, 21-22=0/3140, 20-21=0/3140, 19-20=0/3140, 18-19=0/1836

WEBS 9-24=-286/0, 7-24=-2520/0, 7-26=0/1793, 6-26=-261/25, 5-26=-1327/0, 2-30=-1829/0, 2-29=0/1001, 3-29=-304/0, 4-29=-246/393, 10-24=-2613/0, 10-22=0/1881, 11-22=-262/23, 16-18=-1968/0, 16-19=0/1184, 15-19=-330/0, 14-19=-291/423, 13-22=-1476/0

- 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 1.5x3 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.



April 1, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
---	---

Job	Truss	Truss Type	Qty	Ply	Weaver / 3 Adcock Farm / Harnett	E14248397
J0520-2109	F2	Floor	3	1	Job Reference (optional)	

Comtech, Inc, Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:52 2020 Page 1
ID:uB1kUybQLa2UVI5Eak1M8Myf?Wk-gxX82mTZevynn2TOJ67V1T0431v1_J2ojKi1qqzV8ub

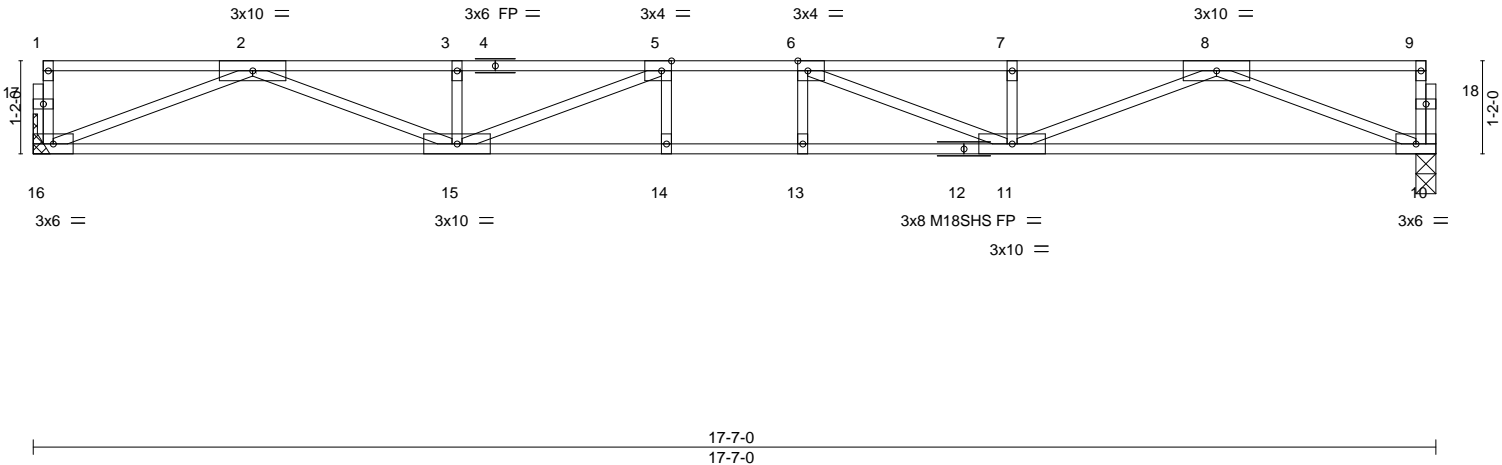
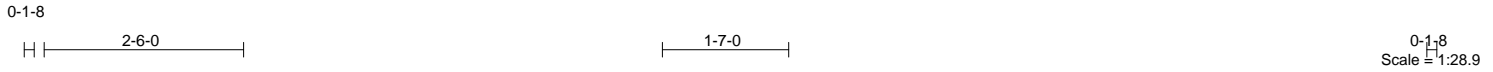


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [6:0-1-8,Edge]

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 0.57	Vert(LL)	-0.30 13-14	>702	480	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.86	Vert(CT)	-0.41 13-14	>508	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.07 10	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 86 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. (size) 10=0-3-0, 16=Mechanical
Max Grav 10=947(LC 1), 16=947(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3385/0, 3-5=-3385/0, 5-6=-3944/0, 6-7=-3385/0, 7-8=-3385/0
BOT CHORD 15-16=0/2071, 14-15=0/3944, 13-14=0/3944, 11-13=0/3944, 10-11=0/2071
WEBS 2-16=-2221/0, 2-15=0/1418, 3-15=-299/0, 8-10=-2221/0, 8-11=0/1418, 7-11=-299/0, 6-11=-885/0, 5-15=-885/0

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 1.5x3 MT20 unless otherwise indicated.
 - Plates checked for a plus or minus 1 degree rotation about its center.
 - Refer to girder(s) for truss to truss connections.
 - 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.



April 1, 2020

Job J0520-2109	Truss F2A	Truss Type Floor	Qty 1	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248398
					Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:53 2020 Page 1
ID:uB1kUybQLa2UVI5EAk1M8Myf?Wk-875WF6TBPC4eOC2btqekahZEdRKYjkTxy_SbMHzV8ua

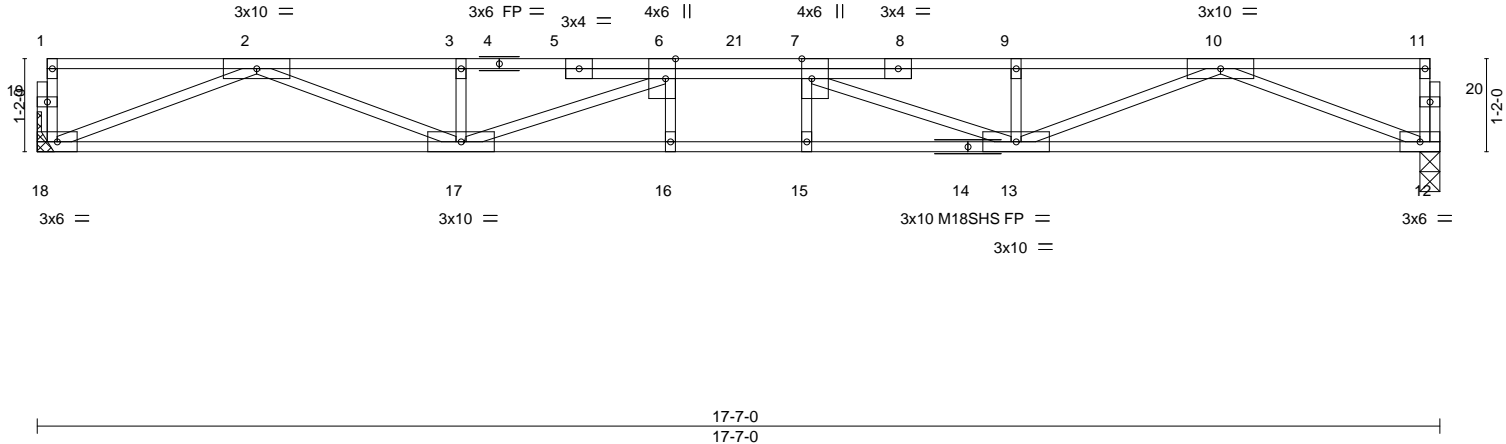
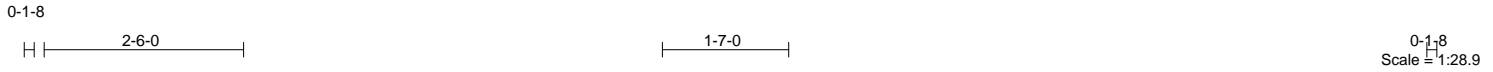


Plate Offsets (X,Y)-- [6:0-3-0,Edge], [7:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.58	Vert(LL) -0.31	15-16	>680	480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.57	Vert(CT) -0.42	15-16	>493	360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr NO	WB 0.79	Horz(CT) 0.07	12	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S						
							Weight: 92 lb	FT = 20%F, 11%E

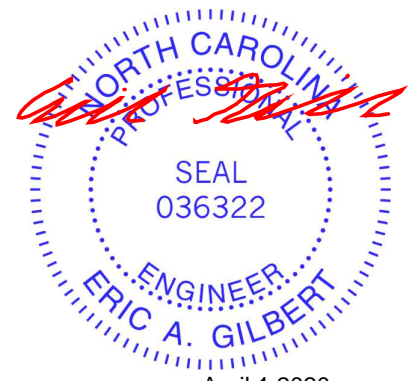
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 (flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP 2400F 2.0E (flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 (flat)	

REACTIONS. (size) 18=Mechanical, 12=0-3-0
Max Grav 18=1053(LC 1), 12=1054(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3882/0, 3-6=-3886/0, 6-7=-4960/0, 7-9=-3892/0, 9-10=-3888/0
BOT CHORD 17-18=0/2345, 16-17=0/4960, 15-16=0/4960, 13-15=0/4960, 12-13=0/2347
WEBS 2-18=-2516/0, 2-17=0/1659, 10-12=-2519/0, 10-13=0/1663, 7-13=-1348/0, 6-17=-1354/0

- 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 1.5x3 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.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-18=-10, 1-11=-100
Concentrated Loads (lb)
Vert: 21=-213



April 1, 2020

Job J0520-2109	Truss F3	Truss Type Floor	Qty 3	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248399
					Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:54 2020 Page 1
ID:uB1kUybQLa2UVI5EAK1M8Myf?Wk-cKfuTSUpAWCV0LdnRX9z6u5Nrqb8SD34AeB8ujzV8uZ

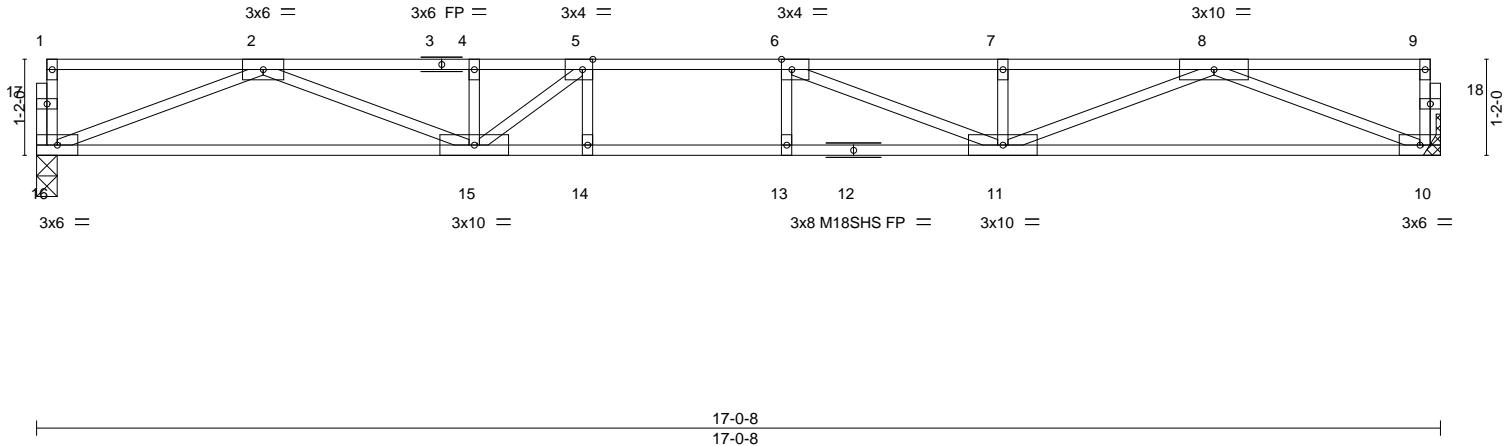
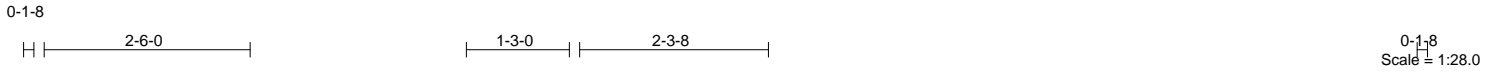


Plate Offsets (X,Y)--	[5:0-1-8,Edge], [6:0-1-8,Edge]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.74	Vert(LL) -0.30 11-13 >677 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.86	Vert(CT) -0.40 11-13 >502 360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr YES	WB 0.64	Horz(CT) 0.06 10 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S		Weight: 83 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1 (flat)
BOT CHORD 2x4 SP 2400F 2.0E (flat) *Except*
10-12: 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. (size) 16=0-3-0, 10=Mechanical
Max Grav 16=917(LC 1), 10=917(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3195/0, 4-5=-3195/0, 5-6=-3659/0, 6-7=-3249/0, 7-8=-3249/0
BOT CHORD 15-16=0/2002, 14-15=0/3659, 13-14=0/3659, 11-13=0/3659, 10-11=0/1998
WEBS 2-16=-2148/0, 2-15=0/1288, 8-10=-2143/0, 8-11=0/1350, 7-11=-304/0, 6-11=-781/0, 5-15=-877/0

- 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 1.5x3 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.



April 1, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
---	--

Job	Truss	Truss Type	Qty	Ply	Weaver / 3 Adcock Farm / Harnett	E14248400
J0520-2109	F3A	Floor	1	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:55 2020 Page 1
 ID:uB1kUybQLa2UVI5Eak1M8Myf?Wk-4WDHgoVRxqKMeVCz_FgCf6eaEEx7BeTEPIxhR9zV8uY

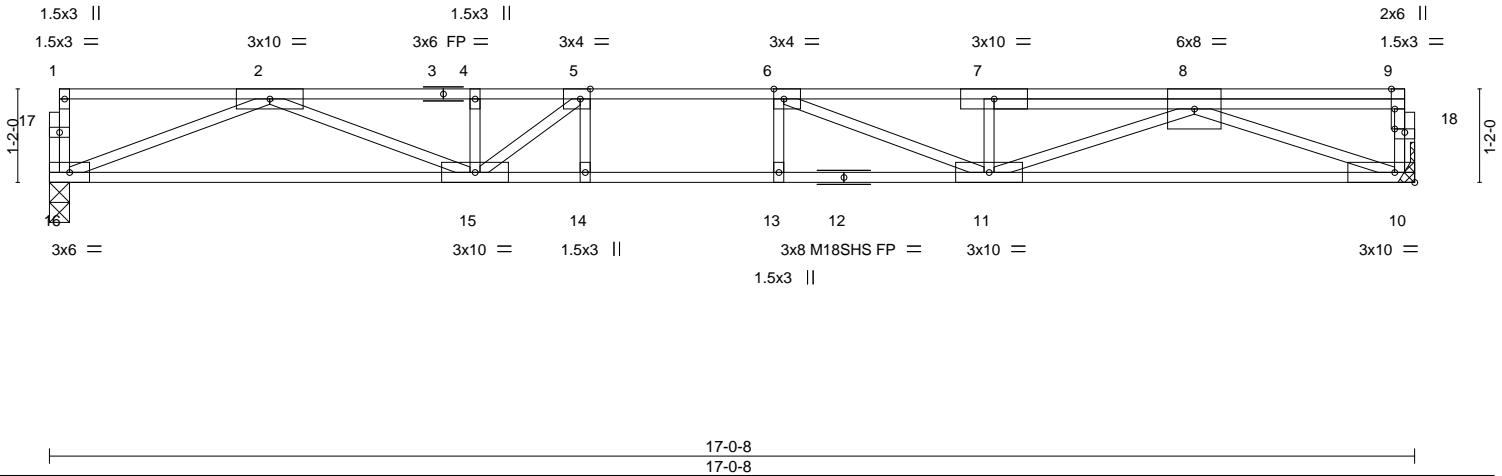
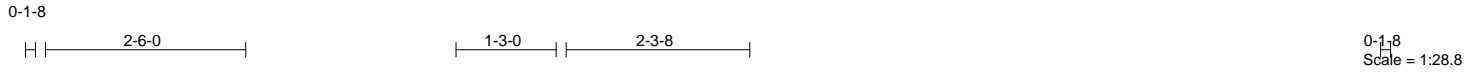


Plate Offsets (X,Y)--	[5:0-1-8,Edge], [6:0-1-8,Edge], [9:0-3-0,Edge], [18:0-1-8,0-0-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.64	Vert(LL) -0.31 11-13 >646 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.82	Vert(CT) -0.42 11-13 >476 360	M18SHS	244/190
BCLL 0.0	Rep Stress Incr NO	WB 0.82	Horz(CT) 0.06 10 n/a n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-S		Weight: 90 lb	FT = 20%F, 11%E

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 (flat) *Except* 3-9: 2x4 SP 2400F 2.0E (flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP 2400F 2.0E (flat)	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 (flat)	

REACTIONS. (size) 16=0-3-0, 10=Mechanical
 Max Grav 16=973(LC 1), 10=1219(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-3466/0, 4-5=-3466/0, 5-6=-4078/0, 6-7=-3897/0, 7-8=-3900/0
 BOT CHORD 15-16=0/2142, 14-15=0/4078, 13-14=0/4078, 11-13=0/4078, 10-11=0/2859
 WEBS 2-16=-2298/0, 2-15=0/1429, 8-10=-3042/0, 8-11=0/1112, 7-11=-293/14, 6-11=-559/230, 5-15=-1063/0

- 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) 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
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 10-16=-10, 1-9=-100
 Concentrated Loads (lb)
 Vert: 8=-358



Job J0520-2109	Truss F4	Truss Type Floor	Qty 1	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248401
					Job Reference (optional)	

Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:55 2020 Page 1
ID:uB1kUybQLa2UVI5Eak1M8Myf?Wk-4WDHgoVRxqKMeVCz_FgCf6ebZEwmBjeEPIxhR9zV8uY

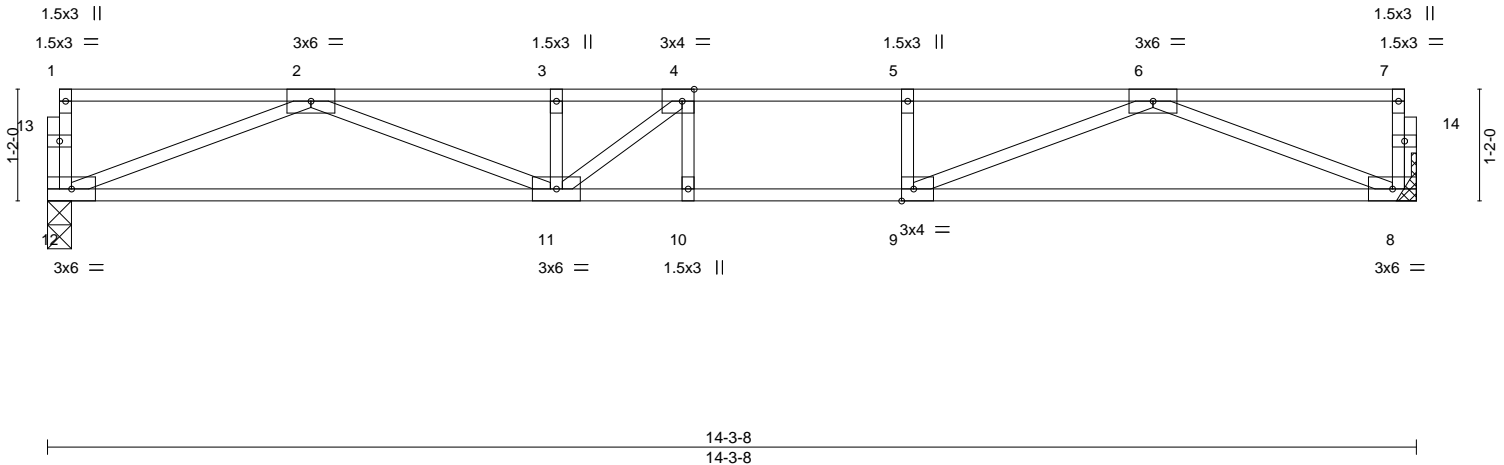
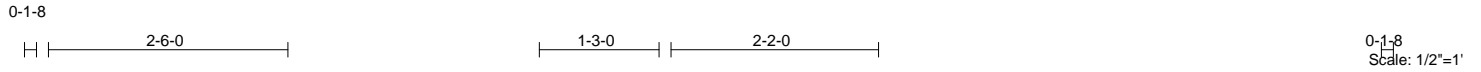


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [9:0-1-8,Edge]

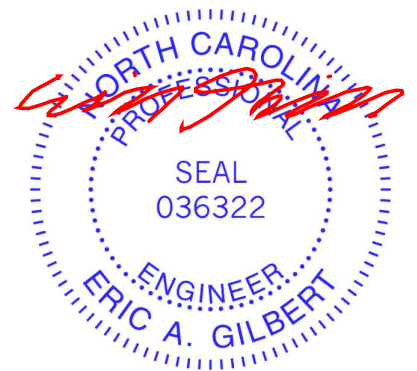
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.55	Vert(LL)	-0.20	10-11	>829	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.00	BC 0.84	Vert(CT)	-0.26	10-11	>655		
BCLL 0.0	Lumber DOL 1.00	WB 0.49	Horz(CT)	0.04	8	n/a		
BCDL 5.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 69 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. (size) 12=0-3-0, 8=Mechanical
Max Grav 12=766(LC 1), 8=766(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2475/0, 3-4=-2475/0, 4-5=-2529/0, 5-6=-2529/0
BOT CHORD 11-12=0/1624, 10-11=0/2529, 9-10=0/2529, 8-9=0/1621
WEBS 2-12=-1740/0, 2-11=0/919, 3-11=-271/33, 4-11=-439/212, 6-8=-1737/0, 6-9=0/1035, 5-9=-288/0

- NOTES-**
- Unbalanced floor live loads have been considered for this design.
 - Plates checked for a plus or minus 1 degree rotation about its center.
 - Refer to girder(s) for truss to truss connections.
 - 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.



April 1, 2020

Job J0520-2109	Truss F5	Truss Type Floor	Qty 1	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248402
Comtech, Inc., Fayetteville, NC - 28314,					8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:56 2020 Page 1	
					ID:uB1kUybQLa2UVI5EAK1M8Myf?Wk-Yimfu8W4i7SCFfn9YyBRBJBq4eO0wDWNeygFczv8uX	
Job Reference (optional)						

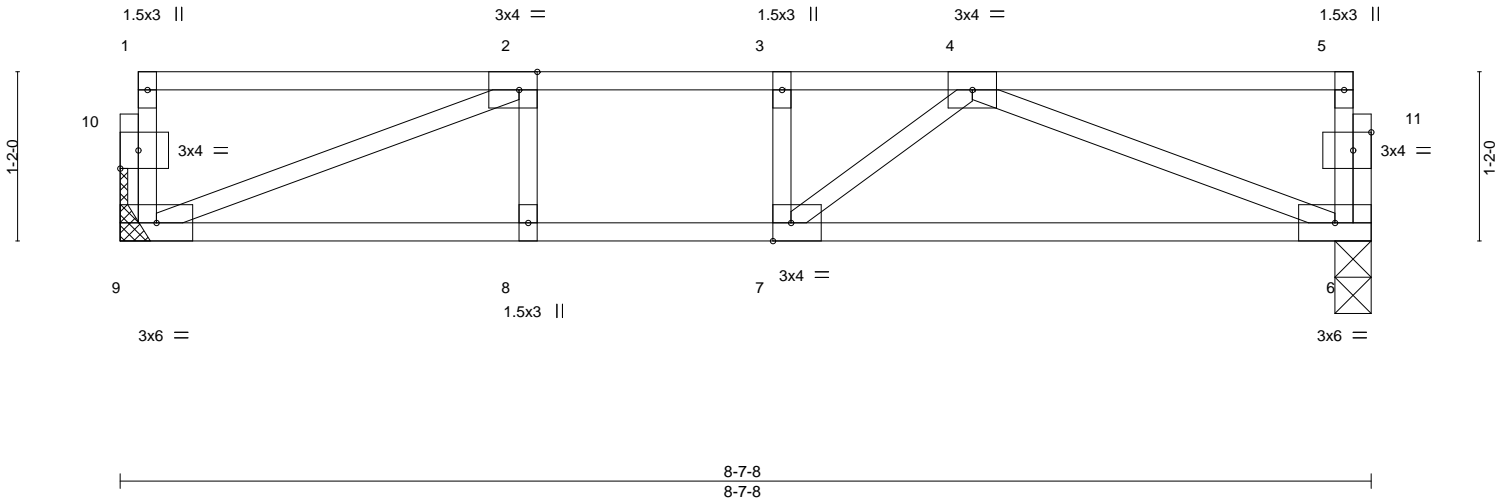
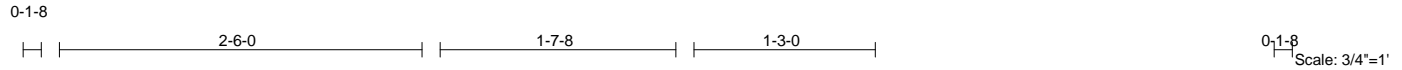


Plate Offsets (X,Y)-- [2:0-1-8,Edge], [7:0-1-8,Edge], [10:0-1-8,0-1-8], [11:0-1-8,0-1-8]

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)	-0.07	6-7	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.33	Vert(CT)	-0.10	6-7	>986		
BCLL 0.0	Rep Stress Incr	YES	WB 0.26	Horz(CT)	0.01	6	n/a		
BCDL 5.0	Code	IRC2015/TP12014	Matrix-S					Weight: 43 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. (size) 9=Mechanical, 6=0-3-0
Max Grav 9=454(LC 1), 6=454(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-895/0, 3-4=-895/0
BOT CHORD 8-9=0/895, 7-8=0/895, 6-7=0/836
WEBS 4-6=-893/0, 2-9=-954/0

- 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.



April 1, 2020

Job J0520-2109	Truss KW1	Truss Type GABLE	Qty 1	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248403
					Job Reference (optional)	

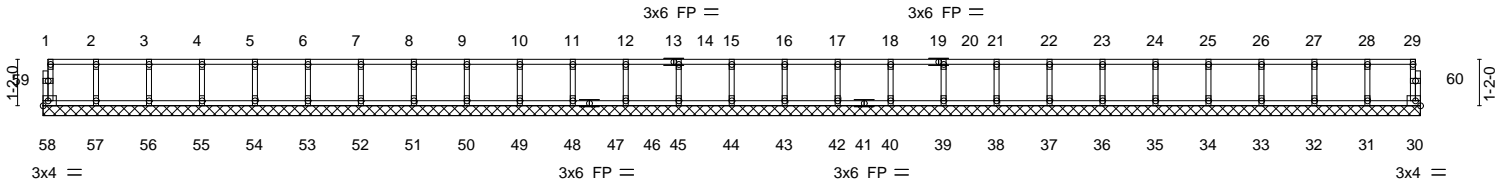
Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:57 2020 Page 1
ID:uB1kUybQLa2UVI5EAk1M8Myf?Wk-0uK15UWITRb3tpMM6gigkXj3n2pDfkMXtbQoV2zV8uW

0-1/8

0-1/8

Scale = 1:58.0



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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	TC 0.06	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	30	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014		Matrix-R						Weight: 142 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 34-8-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 30, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 46, 45, 44, 43, 42, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31

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.



April 1, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job	Truss	Truss Type	Qty	Ply	Weaver / 3 Adcock Farm / Harnett	E14248404
J0520-2109	KW2	GABLE	1	1	Job Reference (optional)	

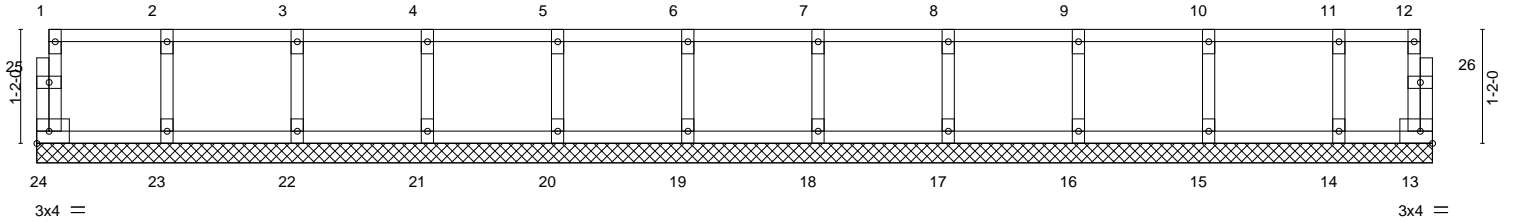
Comtech, Inc, Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:58 2020 Page 1
 ID:uB1kUybQLa2UVI5EAk1M8Myf?Wk-U5uPlqXKEIjwVzxYgNEvHkGEUS9POBbg5F9L1UzV8uV

0-1-8

0-1-8

Scale = 1:23.6



1-4-0	2-8-0	4-0-0	5-4-0	6-8-0	8-0-0	9-4-0	10-8-0	12-0-0	13-4-0	14-3-8
1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-11-8
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	13	n/a	n/a				
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R								
								Weight: 61 lb	FT = 20%F, 11%E	

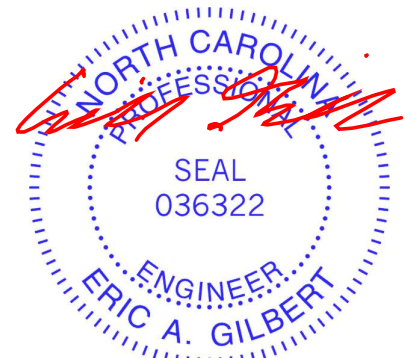
LUMBER-
 TOP CHORD 2x4 SP No.1(flat)
 BOT CHORD 2x4 SP No.1(flat)
 WEBS 2x4 SP No.3(flat)
 OTHERS 2x4 SP No.3(flat)

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 14-3-8.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14

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.



April 1, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver / 3 Adcock Farm / Harnett	E14248405
J0520-2109	KW3	GABLE	1	1	Job Reference (optional)	

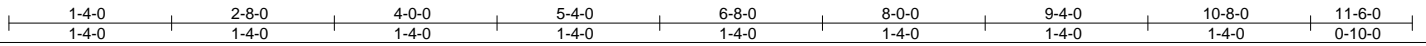
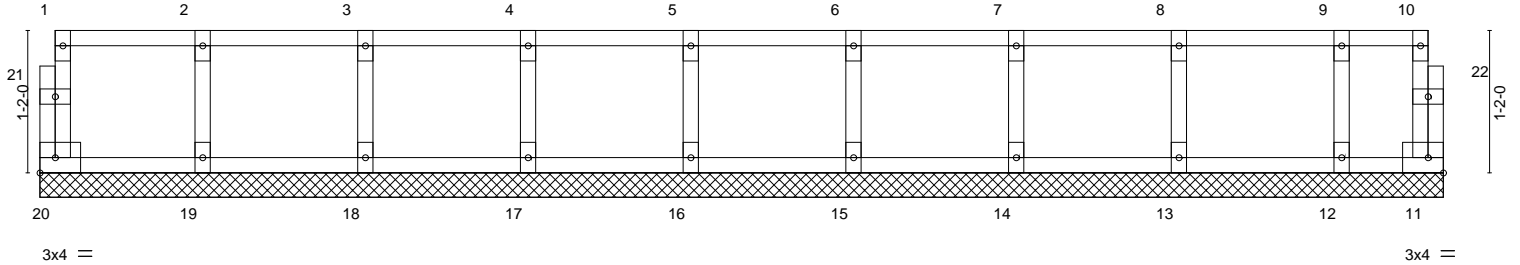
Comtech, Inc., Fayetteville, NC - 28314,

8.330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:55:59 2020 Page 1
 ID:uB1kUybQLa2UVI5Eak1M8Myf?Wk-yHSnW9Yy?2m67VkD5I8pypPDRVc7erqKvvaxzV8uU

0-1-8

0-1-8

Scale = 1:18.9



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	11	n/a		
BCDL 5.0	Code	IRC2015/TPI2014	Matrix-R					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)
 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 11-6-0.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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.



April 1, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job J0520-2109	Truss KW4	Truss Type GABLE	Qty 1	Ply 1	Weaver / 3 Adcock Farm / Harnett	E14248406
					Job Reference (optional)	

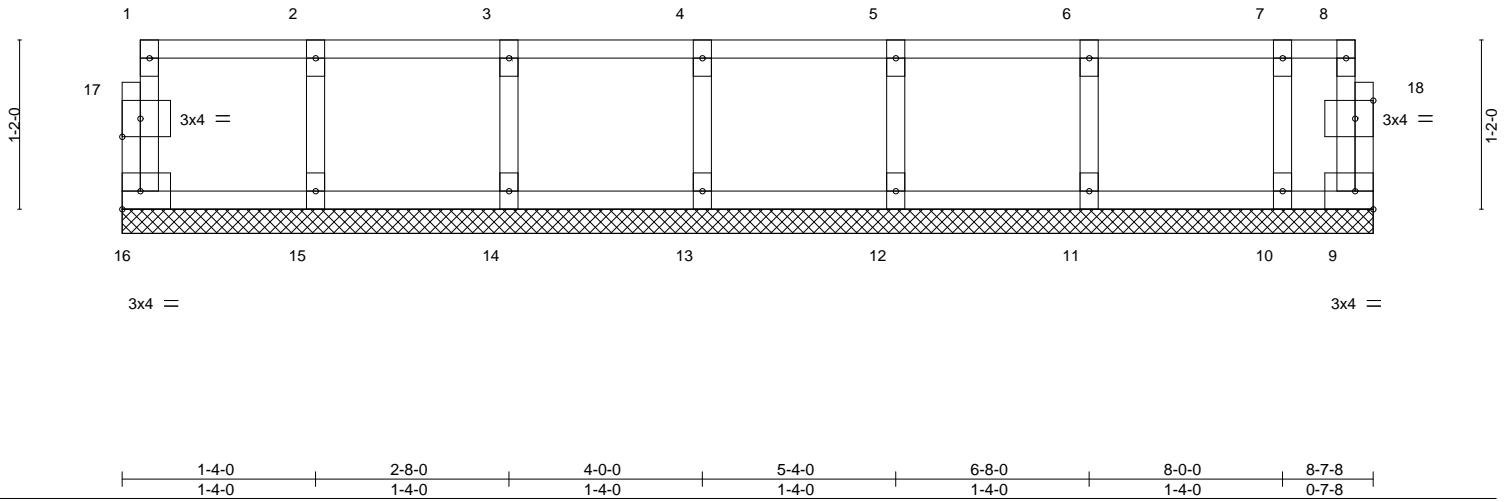
Comtech, Inc., Fayetteville, NC - 28314,

8,330 s Mar 23 2020 MiTek Industries, Inc. Wed Apr 1 07:56:00 2020 Page 1
ID:uB1kUybQLa2UVI5EAK1M8Myf?Wk-RT09jVZamMzekG4xnoGNM9LazFros55zZSe6NzV8uT

0-1-8

0-1-8

Scale: 3/4"=1'



LOADING (psf)	SPACING-	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 0.02	Vert(CT) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	9	n/a	n/a		
BCDL 5.0	Code IRC2015/TPI2014	Matrix-R						
							Weight: 38 lb	FT = 20%F, 11%E

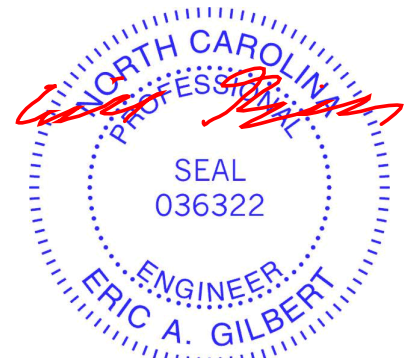
LUMBER-
 TOP CHORD 2x4 SP No.1 (flat)
 BOT CHORD 2x4 SP No.1 (flat)
 WEBS 2x4 SP No.3 (flat)
 OTHERS 2x4 SP No.3 (flat)

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 8-7-8.
 (lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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.



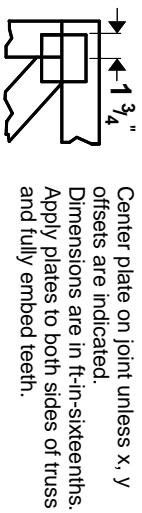
April 1, 2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

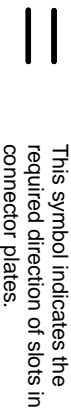
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



* Plate location details available in **MITrak 20/20 software or upon request.**

PLATE SIZE

4 X 4

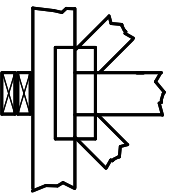
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

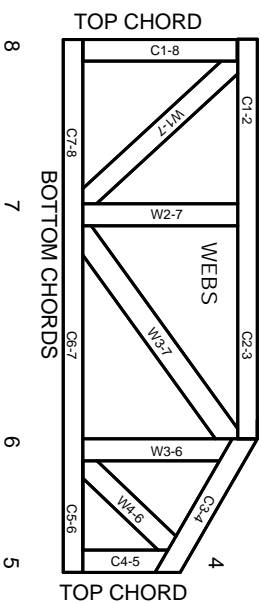


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TP1 section 6.3 These truss designs rely on lumber values established by others.

© 2012 MITTEK® All Rights Reserved



MITek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.