

Truss Placement Plan SCALE: 1/4" = 1'-0"

▲= Denotes Left End of Truss (Reference Engineered Truss Drawing)

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.

-- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

соттесн

ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park

Fayetteville, N.C. 28309 Phone: (910) 864-8787 Fax: (910) 864-4444

	Est	imation			
Name	Selection	Formula	Calculation		
Roof Area	1st Floor	Roof Area	1931.96		
Roof Decking	1st Floor	Roof Decking	66 sheets		
LOAD CHART FOR JACK STU Bells On Tell 1991 10(1-2)()	BUILDE	R Pro Craft Hom	es, Inc.		

= USP (HJC26) Qty. (4)

st Floor R	oof Decking 66 sheets			
BUILDER	Pro Craft Homes, Inc.	CITY / CO.	Erwin / Harnett	THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These transce are designed as individual hashing compounded to be incorporated into the biological design of the processing of the hashing designs of the specific distinct of the halfings designer. See individual designs
JOB NAME	Erwin Job	ADDRESS	408 West Jay St.	in impossible for temporary and permanent basing of the roof and floor system and for the overall shouthers. The descipant of the tross support structural including beaders, beautine, walks, and culations in the responsibility of the building designer, For general guidance requiring basine, across BCSBB1 and BCSBB1 provided with the trois offerery suchase
PLAN	CHARLESTON	MODEL	ROOF	or entire & shortdartey.com Bearing reactions less than or equal to 10000 as a deemed to comply with the precipitive Code requirements. The contractor shall refer to the attached Tables
SEAL DATE	Seal Date	DATE REV.	//	I derived train the prescriptive Code requirements to determine the minimum toundation also and number of wood study required in support nexalizing greater than 3000K but not greater than 1500K, A registered design preferacional shall be retained to design the support system for any readtest that excels those
QUOTE #	Quote #	DRAWN BY	Lenny Norris	specified in the attached Tables. A replatered design professional shall be valued to design the support system has all reactions that exceed \$50006. Lewan Norris.
JOB#	J0619-2695	SALES REP.	Lenny Norris	Lenny Norris



Trenco

818 Soundside Rd Edenton, NC 27932

Re: J0619-2695

Procraft / Erwin Job / Harnett

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E13150390 thru E13150403

My license renewal date for the state of North Carolina is December 31, 2019.

North Carolina COA: C-0844

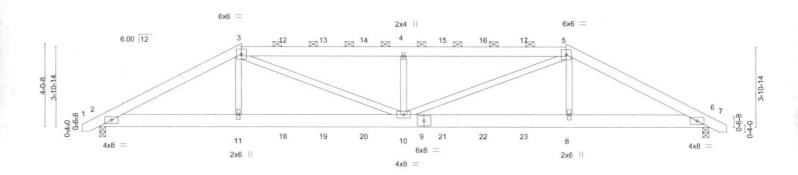


June 11,2019

Gilbert, Eric

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 MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or 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		Truss	Truss Type	Qty	Ply	Procraft / Erwin Job / Harnett	
				TO A SECOND STATE OF THE PERSON		1		E13150390
- 1	J0619-2695		A1	HIP GIRDER	2	2		
							Job Reference (optional)	
	Comtech, Inc.,	Fayettev	ille, NC 28309			8.130 s Ma	ar 11 2018 MiTek Industries, Inc. Tue Jun 11 09	9:35:06 2019 Page 1
					ID:QGGF7WH2_NB	mUqfard_h0	Nz7PfJ-xrssDOCtHjPCW6w4GTyOwmK6?OES	SxldVbPqSWjz7OhZ
	-0-10-8		7-0-0	15-0-0		23-0-0	30-0-0	30-10-8
	0-10-8		7-0-0	8-0-0		8-0-0	7-0-0	0-10-8



7-0-0 7-0-0			-	15-0-0 8-0-0			23-0-0 8-0-0				30-0-0 7-0-0	
	(psf) 20.0 10.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 NO	CSI. TC BC WB	0.37 0.32 0.43	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.23 0.05	(loc) 10 10 6	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code IRC2015/TF	PI2014	Matrix	x-S	Wind(LL)	0.11	10	>999	240	Weight: 419 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x8 SP No.1 **WEBS**

2x4 SP No.3

(lb/size) 2=2522/0-3-8, 6=2522/0-3-8

Max Horz 2=49(LC 7)

Max Uplift 2=-437(LC 8), 6=-437(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CHORD 2-3=-5118/940, 3-4=-6282/1221, 4-5=-6282/1221, 5-6=-5118/940 BOT CHORD 2-11=-823/4502, 10-11=-824/4469, 8-10=-783/4469, 6-8=-782/4502 WEBS 3-11=0/889, 4-10=-1254/577, 5-8=0/889, 5-10=-450/2060, 3-10=-449/2060

NOTES-

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 2 and 437 lb uplift at
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 158 lb down and 113 lb up at 7-0-0, 139 lb down and 113 lb up at 9-0-12, 139 lb down and 113 lb up at 11-0-12, 139 lb down and 113 lb up at 13-0-12, 139 lb down and 113 lb up at 15-0-0, 139 lb down and 113 lb up at 16-11-4, 139 lb down and 113 lb up at 18-11-4, and 139 lb down and 113 lb up at 20-11-4, and 158 lb down and 113 lb up at 23-0-0 on top chord, and 489 lb down and 118 lb up at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-0, 96 lb down at 16-11-4, 96 lb down at 18-11-4, and 96 lb down at 20-11-4, and 489 lb down and 118 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

SEAL 036322 SEAL 036322 June 11,2019

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

2-0-0 oc purlins (6-0-0 max.): 3-5.

Rigid ceiling directly applied or 10-0-0 oc bracing.

🔬 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 properly anage. 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	Procraft / Erwin Job / Harnett E13150	390
	J0619-2695	A1	HIP GIRDER	2	2	Job Reference (optional)	27.20

Comtech, Inc.,

Fayetteville, NC 28309

8.130 s Mar 11 2018 MiTek Industries, Inc. Tue Jun 11 09:35:07 2019 Page 2 ID:QGGF7WH2_NBmUqfard_h0Nz7PfJ-P2QEQkCV21X38GVGqATdT_sHloahglteq3a?2Az7OhY

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-7=-60, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-139(B) 5=-139(B) 11=-489(B) 4=-139(B) 10=-48(B) 8=-489(B) 12=-139(B) 13=-139(B) 14=-139(B) 15=-139(B) 16=-139(B) 17=-139(B) 18=-48(B) 19=-48(B) 20=-48(B) 21=-48(B) 22=-48(B) 23=-48(B) 23=

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

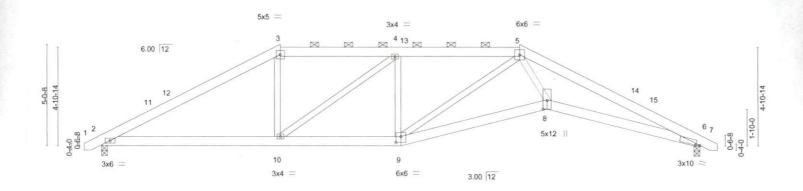
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/THY 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 Pr	rocraft / Erwin Job / Harnett	
		Contraction of the Contraction o			E13150391
J0619-2695	A2	HIP	1 1		
			Jo	ob Reference (optional)	
Comtech, Inc., Fa	ayetteville, NC 28309		8.130 s Mar 11	1 2018 MiTek Industries, Inc. Tue Jun 1	1 09:35:07 2019 Page 1
			D:QGGF7WH2_NBmUqfard_h0Nz	7PfJ-P2QEQkCV21X38GVGqATdT_sD	7oXsggteq3a?2Az7OhY
-Q-10-8	9-0-0	15-0-8	21-0-0	30-0-0	30-10-8
0-10-8	9-0-0	6-0-8	5-11-8	9-0-0	0-10-8



	4	9-0-0		1	15-0-8		21-0-0		22-4-	8	30-0-0	0
	9-0-0		6-0-8			5-11-8		1-4-8		7-7-8		
Plate Offse	ets (X,Y)	[6:0-2-6,0-0-7], [8:0-5-4,0)-2-8], [9:0-3-0	,0-3-8]								
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.14	8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.30	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.15	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-S	Wind(LL)	0.10	8	>999	240	Weight: 189 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.3

REACTIONS. (lb/size) 2=1239/0-3-8, 6=1239/0-3-8

Max Horz 2=63(LC 11)

Max Uplift 2=-48(LC 12), 6=-48(LC 13)

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

TOP CHORD BOT CHORD 2-3=-2047/525, 3-4=-1707/558, 4-5=-2021/612, 5-6=-3827/859 2-10=-343/1719, 9-10=-401/2024, 8-9=-547/2563, 6-8=-669/3419

WEBS 3-10=0/512, 4-10=-530/123, 5-8=-246/1803, 5-9=-588/162

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 9-0-0, Exterior(2) 9-0-0 to 27-2-11, Interior(1) 27-2-11 to 30-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 2 and 48 lb uplift at joint 6.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 3-2-8 oc purlins, except

2-0-0 oc purlins (5-5-3 max.): 3-5.

Rigid ceiling directly applied or 9-4-10 oc bracing.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

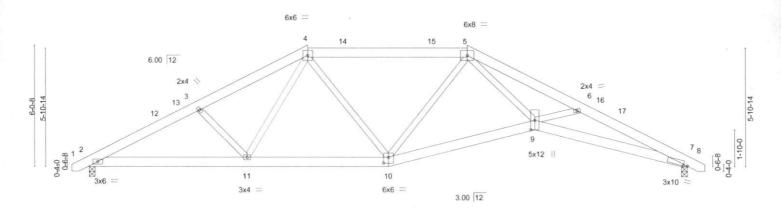
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 permanent properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPI 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	Procraft / Erwin Job / Harne	ett	
The same of the same of							E13150392
J0619-2695	A3	HIP	1	1			
					Job Reference (optional)		
Comtech, Inc.,	Fayetteville, NC 28309			3.130 s Mar	11 2018 MiTek Industries, In	nc. Tue Jun 11 09	:35:08 2019 Page 1
			ID:QGGF7WH2_N	BmUgfard	h0Nz7PfJ-tE_ce4D7pKfwmC	4TOt_s?BPS7Ctm	P6oo3jJZacz7OhX
-Q-10-8	5-6-14	11-0-0	19-0-0		24-5-12	30-0-0	30-10-8
0.40.0	F.C.44	F F O	0.00		F F 40	F C 4	0.40.0



	1	7-11-6	1	15-	0-8		22-4	1-8		1	30-0-0		
	7-11-6			7-	-2		7-4-0				7-7-8		
Plate Offs	ets (X,Y)	[7:0-2-6,0-0-7], [9:0-5-11	,0-2-8], [10:0-3	3-0,0-3-8]									
OADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.14	9	>999	360	MT20	244/190	
CDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.29	9-10	>999	240			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.15	7	n/a	n/a			
BCDL	10.0	Code IRC2015/TR	PI2014	Matrix	-S	Wind(LL)	0.11	9	>999	240	Weight: 196 lb	FT = 20%	

LUMBER-

TOP CHORD 2x6 SP No.1 **BOT CHORD** 2x6 SP No.1 WEBS

2x4 SP No.3

BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 3-9-7 oc purlins, except

2-0-0 oc purlins (5-8-7 max.): 4-5.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

8-4-1 oc bracing: 7-9.

REACTIONS. (lb/size) 2=1239/0-3-8, 7=1239/0-3-8

Max Horz 2=76(LC 11)

Max Uplift 2=-62(LC 12), 7=-62(LC 13)

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

2-3=-2159/611, 3-4=-1959/579, 4-5=-1558/500, 5-6=-3591/910, 6-7=-3861/1057

BOT CHORD

2-11=-476/1867, 10-11=-290/1506, 9-10=-375/1892, 7-9=-901/3455

WEBS

5-9=-397/2008, 6-9=-182/254, 4-11=-71/431, 5-10=-502/190, 3-11=-256/223

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 11-0-0, Exterior(2) 11-0-0 to 25-2-11, Interior(1) 25-2-11 to 30-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 2 and 62 lb uplift at joint 7
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

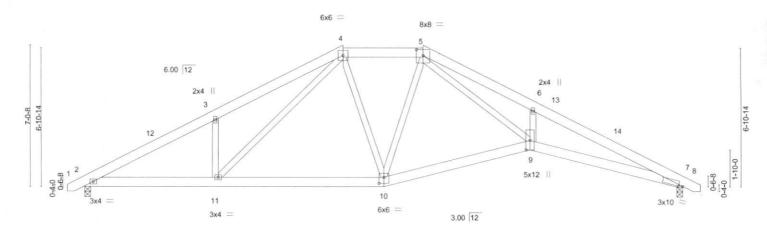


MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and 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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton, NC 27932

Job	Truss	Truss Type			Qty	Ply	Procraft / Erwin Job / Har	mett	
	10000								E13150393
J0619-2695	A4	HIP			1	1			
							Job Reference (optional)		
Comtech, Inc., Fayer	teville, NC 28309				8	130 s Mar	11 2018 MiTek Industries	, Inc. Tue Jun 11 0	9:35:09 2019 Page 1
				ID:QGGF	7WH2 N	BmUqfard	h0Nz7PfJ-LQX_rQElaen	nNaffxbV5YPyczcD	g8WfxIN3672z7OhW
-Q-10-8	6-6-14	13-0-0	15-0-8	17-0-0	1	22-4-8	23-5-12	30-0-0	30-10-8
0-10-8	6-6-14	6-5-2	2-0-8	1-11-8		5-4-8	1-1-4	6-6-4	0-10-8



		0-0-14	- 17	13-0-0	13-0-0	17-0-0		22-4-0		1	30-0-0	
		6-6-14	1	6-5-2	2-0-8	1-11-8		5-4-8			7-7-8	1
Plate Offse	ets (X,Y)	[5:0-4-0,0-3-8], [7:0-2-6,0)-0-7], [9:0-5-1	1,0-2-8], [10:	0-3-0,0-3-8]							
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.17	9	>999	360	MT20	244/190
CDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.34	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.16	7	n/a	n/a		
BCDL	10.0	Code IRC2015/T	PI2014	Matri	x-S	Wind(LL)	0.13	9	>999	240	Weight: 203 lb	FT = 20%
		Description of the Control of the Co										

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1

WEBS 2x4 SP No.3

REACTIONS. (lb/size) 2=1239/0-3-8, 7=1239/0-3-8

661/

Max Horz 2=-89(LC 10)

Max Uplift 2=-74(LC 12), 7=-74(LC 13)

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

TOP CHORD 2-3=-2177/534, 3-4=-2164/701, 4-5=-1375/473, 5-6=-3701/1035, 6-7=-3801/890

BOT CHORD 2-11=-400/1860, 10-11=-211/1339, 9-10=-237/1508, 7-9=-727/3392

WEBS 3-11=-373/296, 6-9=-254/262, 5-9=-619/2377, 5-10=-354/145, 4-11=-269/756

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ff; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 13-0-0, Exterior(2) 13-0-0 to 17-0-0, Interior(1) 23-2-11 to 30-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 2 and 74 lb uplift at joint 7.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord



Structural wood sheathing directly applied or 3-6-13 oc purlins,

2-0-0 oc purlins (6-0-0 max.): 4-5.

Rigid ceiling directly applied or 9-2-11 oc bracing.

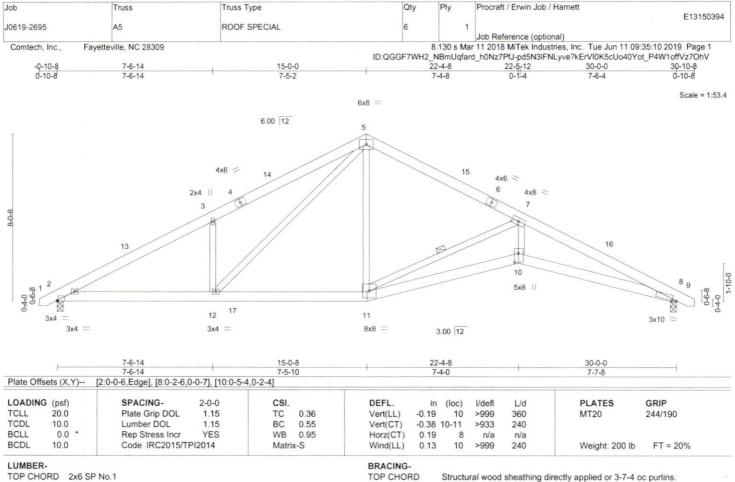
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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 property 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/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





BOT CHORD

WEBS

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.3

(lb/size) 2=1239/0-3-8, 8=1239/0-3-8

Max Horz 2=102(LC 11)

Max Uplift 2=-83(LC 12), 8=-83(LC 13)

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

TOP CHORD 2-3=-2163/447, 3-5=-2157/614, 5-7=-1446/406, 7-8=-3822/733

BOT CHORD 2-12=-283/1892, 11-12=-92/1232, 10-11=-602/3551, 8-10=-589/3416

WEBS 3-12=-471/302, 5-11=-24/528, 7-10=-191/1813, 7-11=-2500/541, 5-12=-285/942

NOTES-

REACTIONS.

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 15-0-0, Exterior(2) 15-0-0 to 19-4-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2 and 83 lb uplift at joint 8.



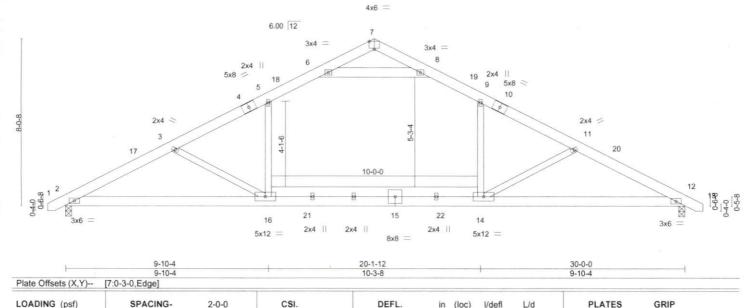
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Qty Procraft / Erwin Job / Harnett Job Truss Truss Type E13150395 FINK J0619-2695 A6 Job Reference (optional) 8.130 s Mar 11 2018 MiTek Industries, Inc. Tue Jun 11 09:35:11 2019 Page 1 ID:QGGF7WH2_NBmUqfard_h0Nz7PfJ-lpflG5G?6F1Vdup130XZdq1uTPtYcY6ElhYDBxz7OhU Comtech, Inc. Fayetteville, NC 28309 24-7-12 30-10-8 9-10-4 5-4-4 4-6-0 5-1-12 5-1-12 4-6-0

Scale = 1:53.4



Vert(LL)

Vert(CT)

Horz(CT)

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

-0.29 14-16

-0.46 14-16

12

16 >999

0.05

0.15

>999

>782

n/a

360

240

n/a

240

Rigid ceiling directly applied or 10-0-0 oc bracing

MT20

Structural wood sheathing directly applied or 4-8-0 oc purlins.

Weight: 218 lb

244/190

FT = 20%

LUMBER-

TCLL

TCDL

BCLL

BCDL

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1 WEBS 2x4 SP No.3 *Ex

20.0

10.0

0.0

10.0

2x4 SP No.3 *Except* 6-8: 2x6 SP No.1

REACTIONS. (lb/size) 2=1239/0-3-8, 12=1239/0-3-8

Max Horz 2=102(LC 11)

Max Uplift 2=-83(LC 12), 12=-83(LC 13)

Plate Grip DOL

Rep Stress Incr

Code IRC2015/TPI2014

Lumber DOL

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

TOP CHORD 2-3=-2262/516, 3-5=-1902/414, 5-6=-1528/434, 6-7=-4/483, 7-8=-4/483, 8-9=-1528/434,

1.15

1.15

YES

TC

BC

WB 0.48

Matrix-S

0.64

0.58

9-11=-1902/414, 11-12=-2262/516

BOT CHORD 2-16=-365/2020, 14-16=-169/1581, 12-14=-355/1979

WEBS 9-14=0/598, 11-14=-581/224, 5-16=0/598, 3-16=-581/224, 6-8=-2116/463

NOTES-

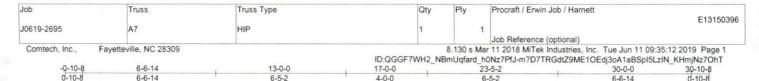
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 15-0-0, Exterior(2) 15-0-0 to 19-4-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 5-0-0 tall by 0-0-2 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 2 and 83 lb uplift at joint 12.

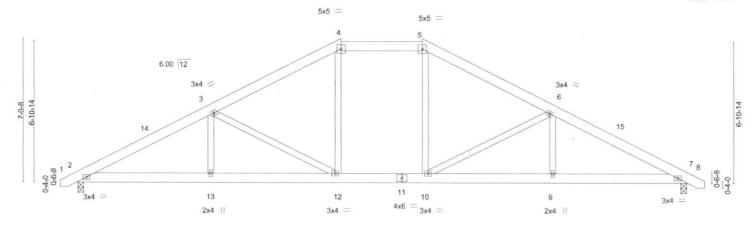


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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6-6-14 6-6-14				17-0-0 4-0-0	23-5-2 6-5-2			30-0-0 6-6-14			
LOADING TCLL TCDL BCLL	9 (psf) 20.0 10.0 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.18 0.31 0.61	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.09 12-13 -0.15 12-13 0.05 7	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code IRC2015/TI		Matri		Wind(LL)	0.06 12-13	>999	240	Weight: 199 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1 2x4 SP No.3

REACTIONS. (lb/size) 2=1239/0-3-8, 7=1239/0-3-8

Max Horz 2=88(LC 11)

Max Uplift 2=-74(LC 12), 7=-74(LC 13)

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

TOP CHORD 2-3=-2173/553, 3-4=-1607/490, 4-5=-1350/477, 5-6=-1607/490, 6-7=-2173/553

BOT CHORD 2-13=-418/1859, 12-13=-418/1859, 10-12=-187/1350, 9-10=-414/1859, 7-9=-414/1859

WEBS 3-13=0/274, 6-9=0/274, 4-12=-60/403, 5-10=-60/403, 3-12=-643/261, 6-10=-643/261

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 13-0-0, Exterior(2) 13-0-0 to 17-0-0, Interior(1) 23-5-2 to 30-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 2 and 74 lb uplift at joint 7.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 5-1-15 oc purlins,

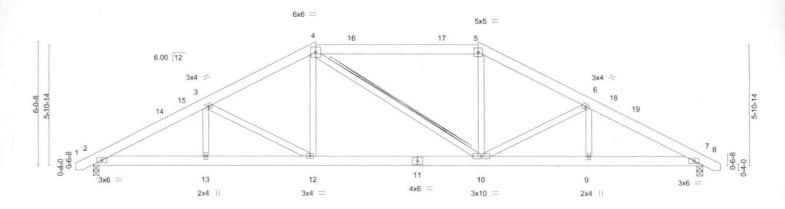
2-0-0 oc purlins (6-0-0 max): 4-5

Rigid ceiling directly applied or 10-0-0 oc bracing.

MARNING - 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 MT ek® connectors. This design is based only upon parameters show, 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 designs. 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Con Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



	Job		Truss	Truss Type		Qty	Ply	Procraft / Erwin Job / Ha	arnett	
			222			2				E13150397
- 1	J0619-2695		A8	HIP		1	1			
								Job Reference (optional	1)	
	Comtech, Inc.,	Fayettev	rille, NC 28309			8.	130 s Mar	11 2018 MiTek Industrie	es, Inc. Tue Jun 11 09:35	:13 2019 Page 1
					ID:QGGF7V	VH2 NBm	Ugfard hi	Nz7PfJ-EBnVhnHGetHI	DsBzQARa1iF6loDei4Vs)	C 1KGqz7OhS
	-Q-10-8		5-6-14	11-0-0	19-0-0	TO COLUMN TO STATE OF THE PARTY	1	24-5-2	30-0-0	30-10-8
	0-10-8		5-6-14	5-5-2	8-0-0			5-5-2	5-6-14	0-10-8



	-	5-6-14 5-6-14	11-0-0 5-5-2			19-0-0 8-0-0		1		-5-2 -5-2	30-0-0 5-6-14	
LOADING TCLL TCDL BCLL	(psf) 20.0 10.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.15 1.15 YES	CSI. TC BC WB	0.33 0.28 0.27	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.05 -0.13 0.05	12	l/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code IRC2015/TI	PI2014	Matrix	x-S	Wind(LL)	0.04	12	>999	240	Weight: 204 lb	FT = 20%

LUMBER-

WEBS

TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1 2x4 SP No.3 **BRACING-**

TOP CHORD

Structural wood sheathing directly applied or 5-1-14 oc purlins,

except

2-0-0 oc purlins (5-8-14 max.): 4-5.

BOT CHORD WEBS

Rigid ceiling directly applied or 10-0-0 oc bracing. 2x4 SPF No.2 - 4-10

T-Brace:

Fasten (2X) T and I braces to narrow edge of web with 10d

(0.131"x3") nails, 6in o.c., with 3in minimum end distance.

Brace must cover 90% of web length.

REACTIONS. (lb/size) 2=1239/0-3-8, 7=1239/0-3-8

Max Horz 2=75(LC 11)

Max Uplift 2=-62(LC 12), 7=-62(LC 13)

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

TOP CHORD 2-3=-2191/586, 3-4=-1778/529, 4-5=-1529/531, 5-6=-1779/528, 6-7=-2190/587

BOT CHORD 2-13=-452/1878, 12-13=-452/1878, 10-12=-277/1528, 9-10=-450/1877, 7-9=-450/1877 WEBS

3-12=-396/199, 4-12=-10/429, 5-10=-10/429, 6-10=-394/200

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 11-0-0, Exterior(2) 11-0-0 to 25-2-11, Interior(1) 25-2-11 to 30-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 2 and 62 lb uplift at joint 7
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required

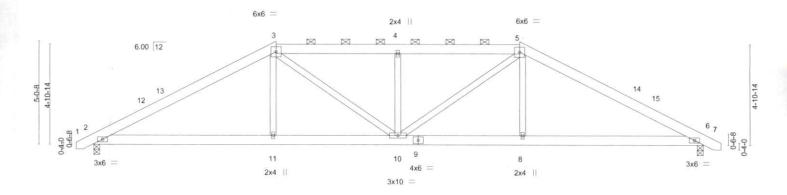


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Job		Truss	Truss Type		Qty	Ply	Procraft / Erwin Job / Harnett	E.O. (E.
J0619-2695		A9	HIP		1	1		E13150398
		0.000	1 12 13 1				Job Reference (optional)	
Comtech, Inc.,	Fayette	ville, NC 28309			8	.130 s Mar	11 2018 MiTek Industries, Inc. Tue Jun 11 09:	:35:13 2019 Page 1
				ID:QGGF7WH	2_NBmUq	fard_h0Nz	7PfJ-EBnVhnHGetHDsBzQARa1iF6H0DdD4W	/pXC_1KGqz7OhS
-Q-10-8		9-0-0	T.	15-0-0	21-0-	-0	30-0-0	30-10-8
0-10-8		9-0-0		6-0-0	6-0-0	0	9-0-0	0-10-8



9-0-0 9-0-0				-	+	21-0-0 6-0-0				30-0-0 9-0-0		
	20.0	SPACING- Plate Grip DOL	2-0-0 1.15	CSI.	0.45	DEFL. Vert(LL)	in -0.06	(loc) 10	l/defl >999	L/d 360	PLATES MT20	GRIP 244/190
BCLL	0.0 *	Lumber DOL Rep Stress Incr	1.15 YES	BC WB	0.38 0.21	Vert(CT) Horz(CT)	-0.13 0.05	10 6	>999 n/a	240 n/a		
BCDL	10.0	Code IRC2015/TF	212014	Matrix	c-S	Wind(LL)	0.05	10	>999	240	Weight: 190 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.1

2x4 SP No.3

REACTIONS. (lb/size) 2=1239/0-3-8, 6=1239/0-3-8

Max Horz 2=62(LC 11)

Max Uplift 2=-48(LC 12), 6=-48(LC 13)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-2051/526, 3-4=-2005/606, 4-5=-2005/606, 5-6=-2051/526 BOT CHORD 2-11=-343/1723, 10-11=-346/1716, 8-10=-340/1716, 6-8=-338/1723 WEBS 3-11=0/358, 3-10=-108/495, 4-10=-394/176, 5-10=-108/495, 5-8=0/358

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-6 to 3-8-7, Interior(1) 3-8-7 to 9-0-0, Exterior(2) 9-0-0 to 27-2-11, Interior(1) 27-2-11 to 30-8-6 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 2 and 48 lb uplift at joint 6.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied or 4-9-7 oc purlins, except

2-0-0 oc purlins (5-5-12 max.): 3-5.

Rigid ceiling directly applied or 10-0-0 oc bracing.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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Job Truss Truss Type Qty Ply Procraft / Erwin Job / Harnett E13150399 J0619-2695 CJ10 Diagonal Hip Girder 1 Job Reference (optional) Comtech, Inc., Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Tue Jun 11 09:35:14 2019 Page 1 ID:QGGF7WH2_NBmUqfard_h0Nz7PfJ-iOLtu7luPAQ4ULYck85GFSfT4d0npyWgRemtoGz7OhR -1-2-14 4-9-14 9-9-5 Scale = 1:23.4 3x4 5 10 4.24 12 3x4 = 8-9-0 12 11 8 2x4 || 4x4 = 69-9-5 4-9-14 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP (loc) TCLL 20.0 Plate Grip DOL 1.15 TC 0.36 Vert(LL) -0.01 >999 360 MT20 244/190 TCDL BC 10.0 Lumber DOL 1 15 0.17 Vert(CT) -0.02 7-8 >999 240 BCLL 0.0 Rep Stress Incr NO WB 0.30 Horz(CT) 0.01 n/a n/a BCDL Code IRC2015/TPI2014 10.0 Matrix-S Wind(LL) 0.01 8 >999 240 Weight: 54 lb FT = 20%LUMBER-BRACING-TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, BOT CHORD 2x6 SP No.1 except end verticals. 2x4 SP No.3 BOT CHORD WEBS Rigid ceiling directly applied or 10-0-0 oc bracing.

(lb/size) 7=470/Mechanical, 2=506/0-8-6

Max Horz 2=131(LC 4)

Max Uplift 7=-110(LC 8), 2=-103(LC 4)

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

TOP CHORD 2-3=-698/83

BOT CHORD 2-8=-149/604, 7-8=-149/604 WEBS 3-8=0/252, 3-7=-618/147

NOTES

REACTIONS.

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 7 and 103 lb uplift at joint 2.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 28 lb down and 44 lb up at 4-2-8, 28 lb down and 44 lb up at 4-2-8, and 58 lb down and 86 lb up at 7-0-7, and 58 lb down and 86 lb up at 7-0-7 on top chord, and 10 lb down at 4-2-8, 10 lb down at 4-2-8, and 37 lb down at 7-0-7, and 37 lb down at 7-0-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

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

Concentrated Loads (lb)

Vert: 10=-99(F=-50, B=-50) 12=-37(F=-19, B=-19)

SEAL 036322

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June 11,2019

MARNING - 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 property 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/TP11 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	Procraft / Erwin Job / Harnett	E424E0400
J0619-2695	J03	Jack-Open	8	1		E13150400
					Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309

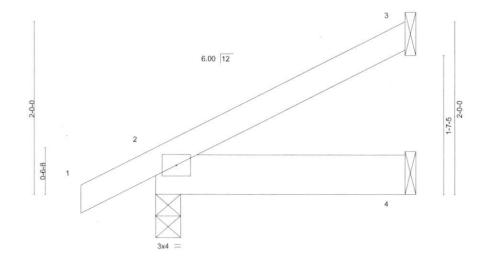
8.130 s Mar 11 2018 MiTek Industries, Inc. Tue Jun 11 09:35:15 2019 Page 1 ID:QGGF7WH2_NBmUqfard_h0Nz7PfJ-AavG6TJWAUYx5V6plrcVogBiG10DYTWqgIWQKiz70hQ

Structural wood sheathing directly applied or 2-10-15 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

-0-10-8 2-10-15 0-10-8 2-10-15

Scale = 1:12.9



						2-10-15					_	
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	2-4	>999	240	SATER SANS	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TR	PI2014	Matri	x-P	Wind(LL)	0.00	2	****	240	Weight: 13 lb	FT = 20%

2-10-15

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x6 SP No.1

REACTIONS. (lb/size) 3=70/Mechanical, 2=181/0-3-8, 4=27/Mechanical

Max Horz 2=59(LC 12) Max Uplift 3=-40(LC 12), 2=-14(LC 12)

Max Grav 3=70(LC 1), 2=181(LC 1), 4=54(LC 3)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 3 and 14 lb uplift at joint 2.

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Job Truss Truss Type Qty Procraft / Erwin Job / Harnett Ply E13150401 J0619-2695 J05 Jack-Open Job Reference (optional) Fayetteville, NC 28309 8.130 s Mar 11 2018 MiTek Industries, Inc. Tue Jun 11 09:35:15 2019 Page 1 Comtech, Inc., ID:QGGF7WH2_NBmUqfard_h0Nz7PfJ-AavG6TJWAUYx5V6plrcVogBfy1NJYTWqgIWQKiz7OhQ 4-10-15 4-10-15 -0-10-8 0-10-8 Scale = 1:17.8 6.00 12 2-7-5 8-9-0 4-10-15 4-10-15 LOADING (psf) SPACING-2-0-0 CSI. DEFL. GRIP I/defl **PLATES** in (loc) L/d TCLL 20.0 Plate Grip DOL 1.15 TC 0.29 Vert(LL) -0.01 244/190 2-4 >999 360 MT20 TCDL 10.0 Lumber DOL 1.15 BC 0.08 Vert(CT) -0.01 >999 240 2-4 0.0 * BCLL Rep Stress Incr YES WB 0.00 Horz(CT) -0.00

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

3

0.00

n/a

n/a

240

Rigid ceiling directly applied or 10-0-0 oc bracing.

Weight: 21 lb

Structural wood sheathing directly applied or 4-10-15 oc purlins.

FT = 20%

LUMBER-

BCDL

TOP CHORD 2x4 SP No.1

10.0

BOT CHORD 2x6 SP No.1

REACTIONS. (lb/size) 3=134/Mechanical, 2=256/0-3-8, 4=47/Mechanical

Max Horz 2=91(LC 12)

Max Uplift 3=-70(LC 12), 2=-13(LC 12)

Max Grav 3=134(LC 1), 2=256(LC 1), 4=94(LC 3)

Code IRC2015/TPI2014

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

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 4-10-3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-P

- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 3 and 13 lb uplift at joint 2.



🛦 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 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/TPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton, NC 27932

Job		Truss	Truss	Туре	C	lty	Ply	Procraf	t / Erwin Job / Harne	ett		
J0619-2695		J07A	JACK-	OPEN	1	8	1				E13	150402
	_							Job Re	ference (optional)			
Comtech, Inc.,	Fayette	ville, NC 28309			ID:QGGF	8. 7WH2_N	130 s Ma IBmUqfa	ar 11 2018 rd_h0Nz7	8 MiTek Industries, I PfJ-emSeJpJ8xogo	nc. Tue Jun 11 0 jfh?sZ7kKtkkgQh	9:35:16 2019 Pa yHwmzvyF_t8z70	ge 1 hP
		⊢-0- 0-	10-8 10-8		7-0-0 7-0-0							
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		4-0-8								3-7-14		
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			5									
		aj.	2									
		8-9-0							X			
			A									
			3x4 =						4			
			3,44 —									
			-		7-0-0 7-0-0							
1040000		001000										
LOADING (psf) TCLL 20.0		SPACING- Plate Grip DOL	2-0-0 1.15	CSI. TC 0.67	DEFL. Vert(LL)	in -0.03		I/defl >999	L/d 360	PLATES MT20	GRIP 244/190	
TCDL 10.0 BCLL 0.0		Lumber DOL Rep Stress Incr	1.15 YES	BC 0.19 WB 0.00	Vert(CT) Horz(CT)	-0.06 -0.00	2-4	>999	240			
BCDL 10.0		Code IRC2015/		Matrix-P	Wind(LL)	0.00		n/a	n/a 240	Weight: 30 lb	FT = 20%	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x6 SP No.1

REACTIONS. (lb/size) 3=199/Mechanical, 2=338/0-3-8, 4=68/Mechanical

Max Horz 2=125(LC 12)

Max Uplift 3=-100(LC 12), 2=-13(LC 12)

Max Grav 3=199(LC 1), 2=338(LC 1), 4=136(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 6-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 3 and 13 lb uplift at joint 2.

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VGINEER DATE OF THE PROPERTY OF T

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE U.S..

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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI 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
 Procraft / Erwin Job / Hamett

 J0619-2695
 LG
 GABLE
 2
 1

 Job Reference (optional)
 Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309

8.130 s Mar 11 2018 MiTek Industries, Inc. Tue Jun 11 09:35:17 2019 Page 1
ID:QGGF7WH2_NBmUqfard_h0Nz7PfJ-6z00X9Kmi5oeLpGBPGezt5H30q3X0Lc67c?XPbz7OhO
7-11-5
15-10-11
7-11-5
7-11-6

4x4 =

Scale = 1:51.3

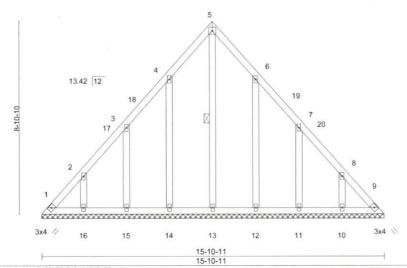


Plate Offsets (X,Y)-- [6:0-0-1,0-0-0], [7:0-0-1,0-0-0], [8:0-0-1,0-0-0]

LOADING	G (psf)	SPACING- 2-	-0-0	CSI.	12 1	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL 1	1.15	BC	0.04	Vert(CT)	n/a	- 2	n/a	999		
BCLL	0.0 *	Rep Stress Incr Y	/ES	WB	0.15	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI20	14	Matri	x-S						Weight: 104 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1 BOT CHORD 2x4 SP No.1 OTHERS 2x4 SP No.3 BRACING-TOP CHORD BOT CHORD

WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt 5-13

REACTIONS. All bearings 15-10-11.

(lb) - Max Horz 1=211(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 14, 16, 12, 10 except 15=-101(LC 12), 11=-102(LC 13)

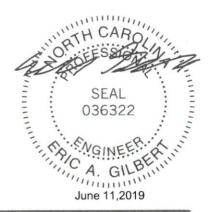
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 14, 15, 16, 12, 11, 10

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-280/228, 8-9=-280/228

NOTES

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-15 to 4-8-11, Interior(1) 4-8-11 to 7-11-5, Exterior(2) 7-11-5 to 12-4-2 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 14, 16, 12, 10 except (jt=lb) 15=101, 11=102.



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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.

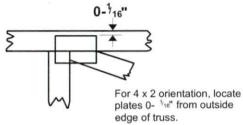


Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated.
Dimensions are in ft-in-sixteenths.
Apply plates to both sides of truss and fully embed teeth.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MiTek 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/TPI1: National Design Specification for Metal

Plate Connected Wood Truss Construction.

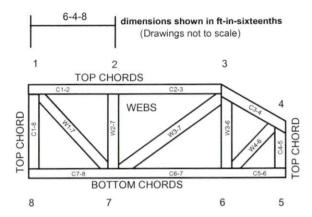
DSB-89: Design Standard for Bracing.

BCSI: Building (

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/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- 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.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.