

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0724-4004
Weaver Development/Lot 6 West Preserve

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: I66870477 thru I66870497

My license renewal date for the state of North Carolina is December 31, 2024.

North Carolina COA: C-0844



July 17, 2024

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	Weaver Development/Lot 6 West Preserve	166870477
J0724-4004	A01	GABLE	1	1	Job Reference (optional)	

Comtech, Inc. Fayetteville, NC - 28314,

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ID:M8kbvA?WTIh1vSeQ5lcK_yWBWQ-j6UwZHATO_xkhKt4EVvIOZ711hRLTYN233oX0EyxOST



5x8 =

Scale = 1:83.2

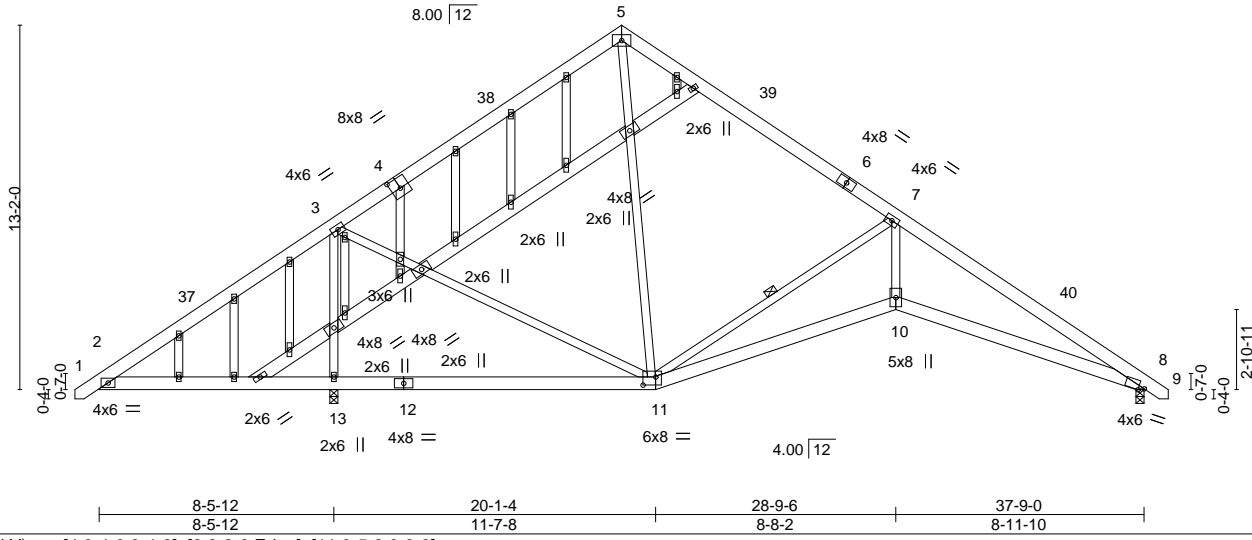


Plate Offsets (X, Y)--	[4:0-4-0,0-4-8], [8:0-2-6,Edge], [11:0-5-8,0-3-8]
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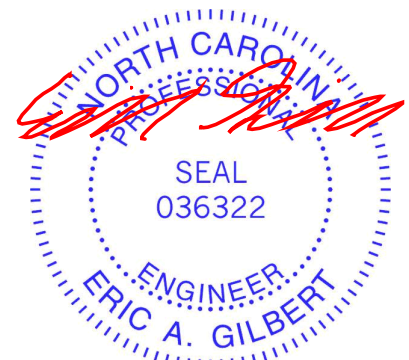
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.44	Vert(LL) -0.12 10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.99	Vert(CT) -0.25 10-11 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.15 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.11 10 >999 240	Weight: 348 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	WEBS 1 Row at midpt 7-11
OTHERS 14-15,16-17,17-18: 2x6 SP No.1	
2x4 SP No.2	

REACTIONS. (size) 8=0-3-8, 13=0-3-8
 Max Horz 13=392(LC 11)
 Max Uplift 8=-259(LC 13), 13=-403(LC 12)
 Max Grav 8=1106(LC 1), 13=1997(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-477/674, 3-5=-835/342, 5-7=-875/292, 7-8=-2664/461
 BOT CHORD 2-13=-435/500, 11-13=-567/488, 10-11=-246/2258, 8-10=-248/2253
 WEBS 3-13=-1737/755, 3-11=-271/1036, 5-11=-93/354, 7-11=-1958/574, 7-10=-53/1589

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 18-10-8, Exterior(2) 18-10-8 to 23-3-5, Interior(1) 23-3-5 to 38-5-9 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) 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.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=259, 13=403.



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Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve
J0724-4004	A02	ROOF SPECIAL	1	1	166870478
					Job Reference (optional)

Comtech, Inc. Fayetteville, NC - 28314,

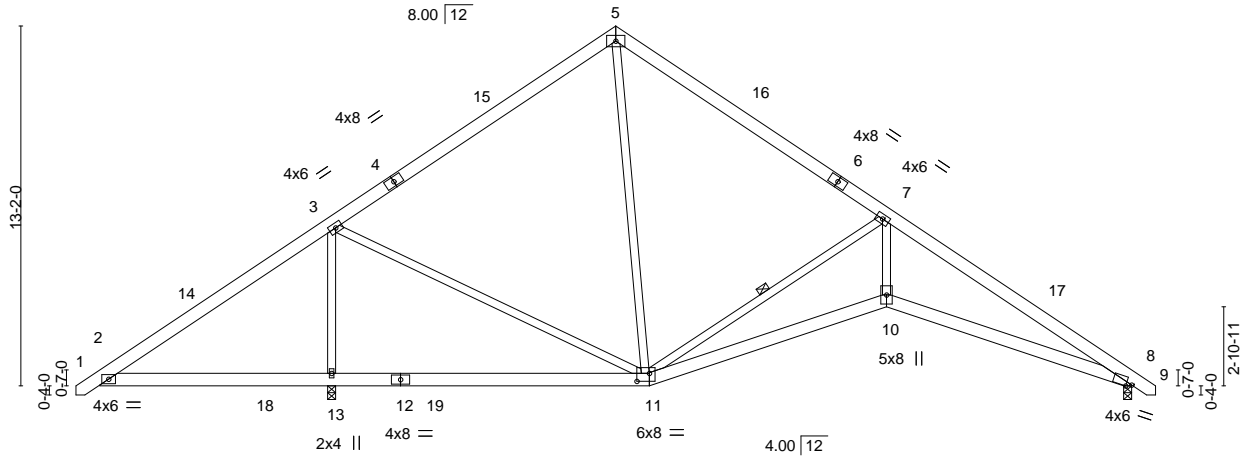
8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:05 2024 Page 1

ID:M8kbvA?WTIhi1vSeQ5icK_yWBWQ-BI2ImdB58l3bJTSGnDQ_wnfTn4naB?dBHjY4YgyxoSS

-0-10-8	8-5-12	18-10-8	28-9-6	37-9-0	38-7-8
0-10-8	8-5-12	10-4-12	9-10-14	8-11-10	0-10-8

5x8 =

Scale = 1:84.3



8-5-12	20-1-4	28-9-6	37-9-0
8-5-12	11-7-8	8-8-2	8-11-10

Plate Offsets (X,Y)-- [8:0-2-6,Edge], [11:0-5-8,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.44	Vert(LL) -0.12 10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.99	Vert(CT) -0.25 10-11 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.15 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.08 10 >999 240	Weight: 267 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 7-11

REACTIONS. (size) 8=0-3-8, 13=0-3-8
 Max Horz 13=313(LC 11)
 Max Uplift 8=-86(LC 13), 13=-116(LC 12)
 Max Grav 8=1106(LC 1), 13=2020(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-477/674, 3-5=-835/206, 5-7=-875/223, 7-8=-2664/235
 BOT CHORD 2-13=-435/500, 11-13=-528/488, 10-11=-50/2258, 8-10=-52/2253
 WEBS 3-13=-1737/755, 3-11=-271/1036, 5-11=-34/354, 7-11=-1958/326, 7-10=0/1589

NOTES-

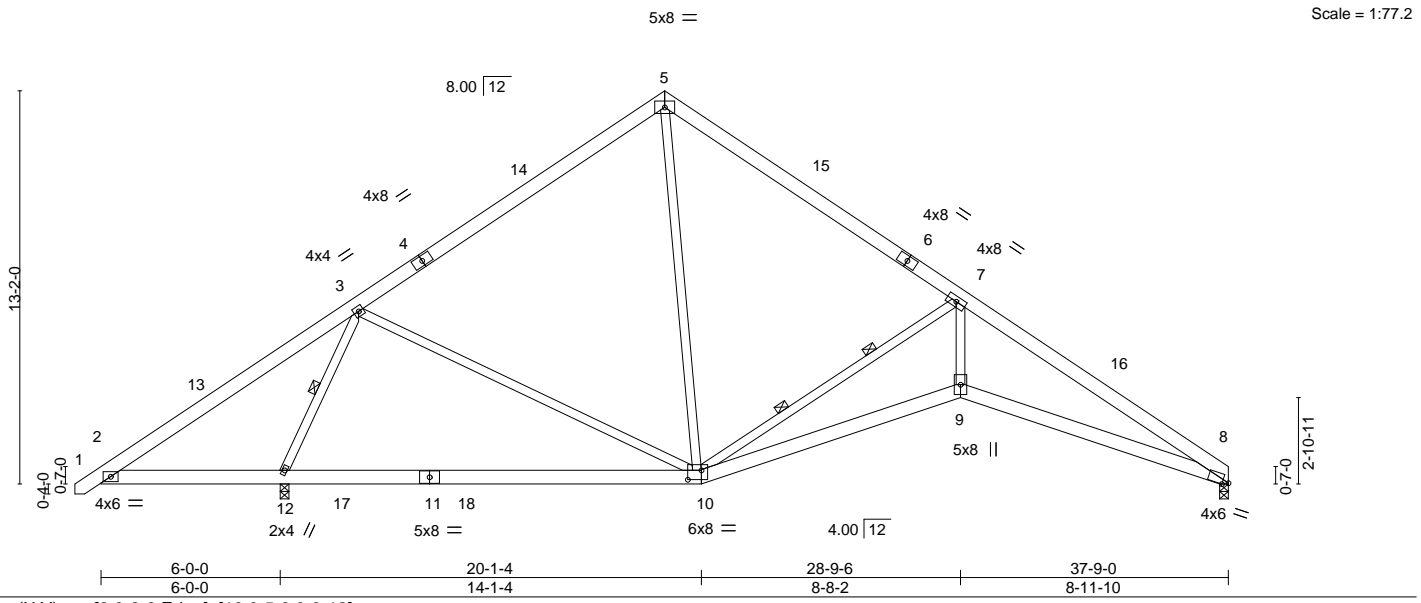
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 18-10-8, Exterior(2) 18-10-8 to 23-3-5, Interior(1) 23-3-5 to 38-5-9 zone; cantilever left exposed ;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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 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 100 lb uplift at joint(s) 8 except (jt=lb) 13=116.



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Job J0724-4004	Truss A04	Truss Type ROOF SPECIAL	Qty 4	Ply 1	Weaver Development/Lot 6 West Preserve 166870480
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Comtech, Inc. Fayetteville, NC - 28314, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:05 2024 Page 1
 ID:M8kbvA?WTIh1vSeQ5lcK_yWBWQ-BI2lmdB58l3bJTSgndQ_wnfTK4IWB10BHjY4YgyxoSS



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.57	Vert(LL) -0.25 10-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.84	Vert(CT) -0.51 10-12 >740 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.18 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.10 9 >999 240	Weight: 265 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 2-12.
	WEBS 1 Row at midpt 3-12
	2 Rows at 1/3 pts 7-10

REACTIONS. (size) 8=0-3-8, 12=0-3-8
 Max Horz 12=310(LC 11)
 Max Uplift 8=-76(LC 13), 12=-107(LC 12)
 Max Grav 8=1208(LC 1), 12=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-458/579, 3-5=-1054/293, 5-7=-1125/322, 7-8=-3181/453
 BOT CHORD 2-12=-371/485, 10-12=-183/590, 9-10=-266/2701, 8-9=-266/2702
 WEBS 3-10=-62/454, 5-10=-58/618, 7-10=-2174/452, 7-9=-65/1863, 3-12=-1683/732

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 18-10-8, Exterior(2) 18-10-8 to 23-3-5, Interior(1) 23-3-5 to 37-7-4 zone; cantilever left exposed ;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 3-6-0 tall by 2-0-0 wide will fit 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.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 12=107.



Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve	166870481
J0724-4004	A05	ROOF SPECIAL	1	1		
Comtech, Inc. Fayetteville, NC - 28314,						8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:06 2024 Page 1
-0-10-8 8-5-12 18-10-8 28-9-6 37-9-0 38-7-8						ID:M8kbvA?WTIhi1vSeQ5lcK_yWBWQ-fvch_yBkvcBSxd0TLwyDT_Ce4U4lwUJKWNHe47yxoSR
0-10-8 8-5-12 10-4-12 9-10-14 8-11-10 0-10-8						Job Reference (optional)

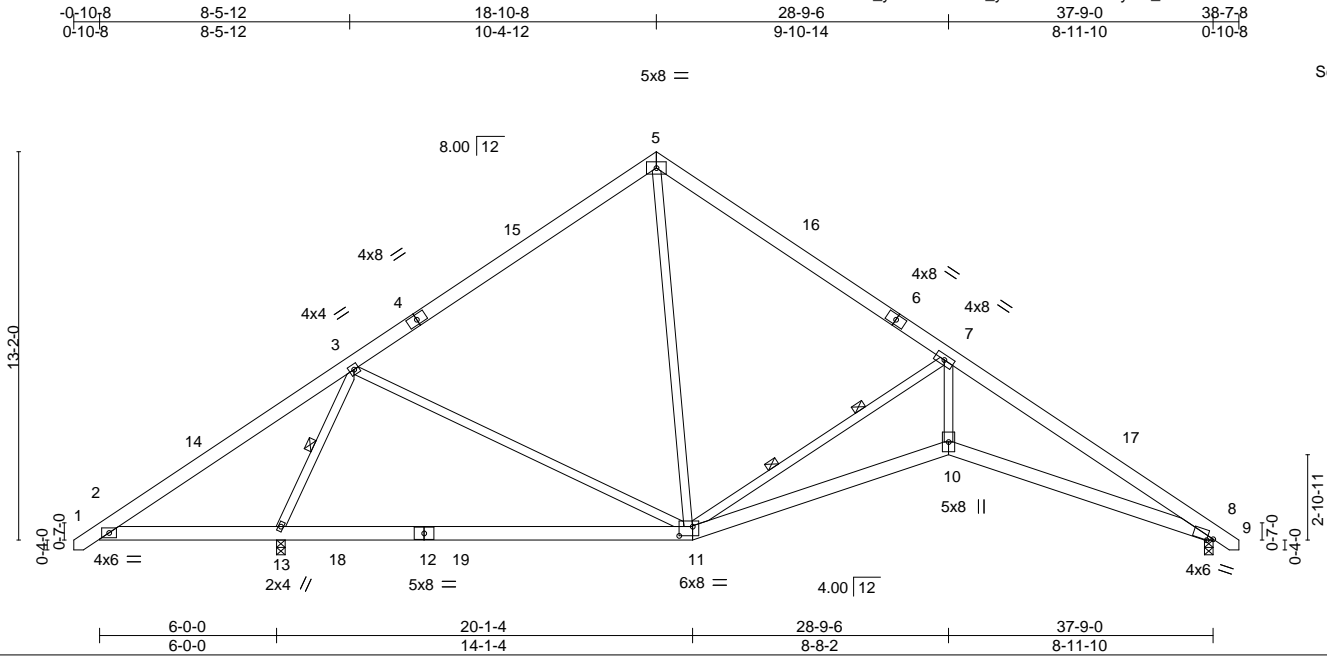


Plate Offsets (X,Y)--	[8:0-2-6,Edge], [11:0-5-8,0-3-12]
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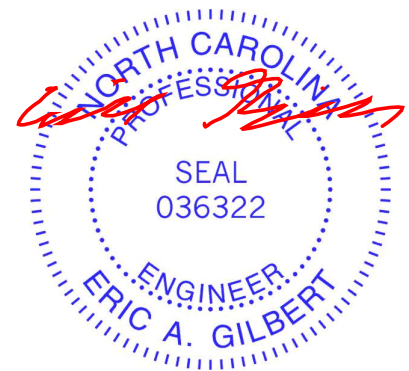
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.47	Vert(LL) -0.25 11-13 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.57	Vert(CT) -0.51 11-13 >740 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT) 0.18 8 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Wind(LL) 0.10 10 >999 240	Weight: 268 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.2	6-0-0 oc bracing: 2-13.
	WEBS 1 Row at midpt 3-13
	2 Rows at 1/3 pts 7-11

REACTIONS. (size) 8=0-3-8, 13=0-3-8
 Max Horz 13=313(LC 11)
 Max Uplift 8=-88(LC 13), 13=-107(LC 12)
 Max Grav 8=1260(LC 1), 13=1843(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-458/579, 3-5=-1053/292, 5-7=-1123/318, 7-8=-3175/415
 BOT CHORD 2-13=-371/485, 11-13=-178/595, 10-11=-206/2693, 8-10=-207/2695
 WEBS 3-11=-62/454, 5-11=-52/616, 7-11=-2171/418, 7-10=-31/1860, 3-13=-1683/732

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 18-10-8, Exterior(2) 18-10-8 to 23-3-5, Interior(1) 23-3-5 to 38-5-9 zone; cantilever left exposed ;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 3-6-0 tall by 2-0-0 wide will fit 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.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 13=107.

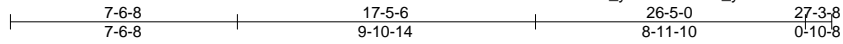


Job J0724-4004	Truss A06	Truss Type ROOF SPECIAL	Qty 2	Ply 1	Weaver Development/Lot 6 West Preserve 166870482
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:06 2024 Page 1

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5x5 =

Scale = 1:76.6

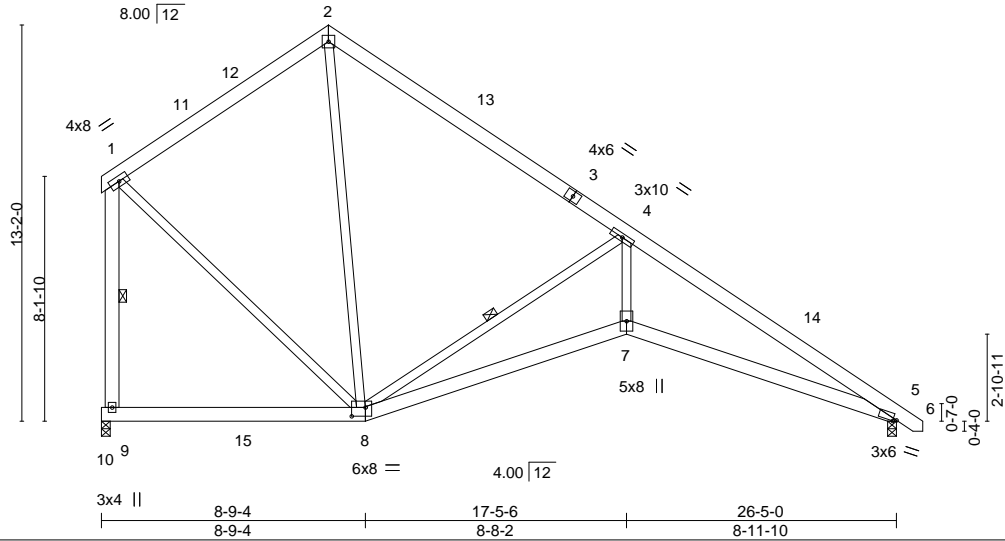


Plate Offsets (X,Y)--	[5:0-1-6,0-0-12], [8:0-5-8,0-3-8]
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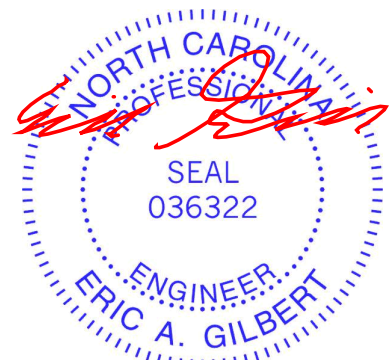
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.47	Vert(LL) -0.11 7 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.99	Vert(CT) -0.23 5-7 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.15 5 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.07 5-7 >999 240	Weight: 214 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 1-9: 2x6 SP No.1	WEBS 1 Row at midpt 4-8, 1-9

REACTIONS. (size) 5=0-3-8, 9=0-3-8
 Max Horz 9=-324(LC 13)
 Max Uplift 5=-50(LC 13), 9=-94(LC 13)
 Max Grav 5=1089(LC 1), 9=1166(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-694/251, 2-4=-781/236, 4-5=-2612/271, 1-9=-955/307
 BOT CHORD 8-9=-277/326, 7-8=-111/2214, 5-7=-114/2209
 WEBS 2-8=0/325, 4-8=-1920/364, 4-7=0/1563, 1-8=-119/677

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 7-6-8, Exterior(2) 7-6-8 to 11-11-5, Interior(1) 11-11-5 to 27-1-9 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 9.



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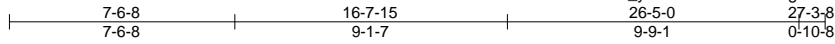
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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/TPI Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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Job J0724-4004	Truss A07	Truss Type COMMON	Qty 1	Ply 2	Weaver Development/Lot 6 West Preserve 166870483
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:07 2024 Page 1

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5x5 =

Scale = 1:77.1

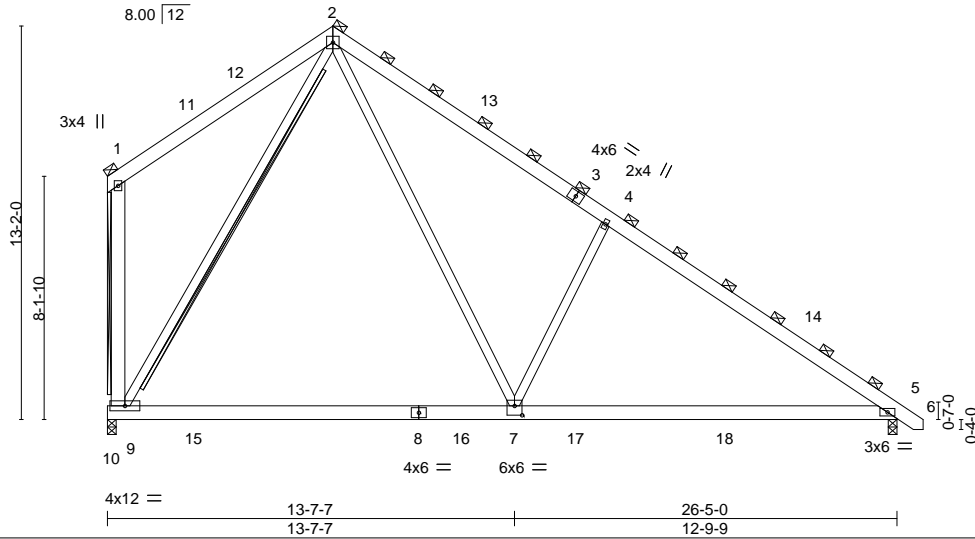


Plate Offsets (X,Y)--	[7:0-3-0,0-3-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	4-0-0	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.94	Vert(LL) -0.46 7-9 >683 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.70	Vert(CT) -0.60 7-9 >515 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.02 5 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.06 5-7 >999 240	Weight: 416 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except* 1-9: 2x6 SP No.1	WEBS T-Brace: 2x4 SPF No.2 - 1-9 2x6 SPF No.2 - 2-9 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. (size) 9=0-3-8, 5=0-3-8
 Max Horz 9=648(LC 13)
 Max Uplift 9=188(LC 13), 5=100(LC 13)
 Max Grav 9=2717(LC 20), 5=2585(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-447/278, 2-4=-2984/680, 4-5=-3297/452, 1-9=-577/331
 BOT CHORD 7-9=0/1212, 5-7=-68/2525
 WEBS 2-7=-368/2812, 4-7=-1316/746, 2-9=-2032/380

- NOTES-**
- 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: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 7-6-8, Exterior(2) 7-6-8 to 11-11-5, Interior(1) 11-11-5 to 27-1-9 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 5 except (jt=lb) 9=188.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



July 17, 2024

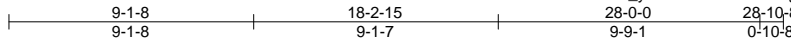
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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/TP1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p>	<p>ENGINEERING BY TRENCO A MITEK Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job J0724-4004	Truss A08	Truss Type COMMON	Qty 1	Ply 2	Weaver Development/Lot 6 West Preserve 166870484
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:07 2024 Page 1

ID:M8kbvA?WTIhi1vSeQ5lcK_yWBWQ-7hA3BICMgvKJYnbfvdTS0CjnuP2f2sUI11BdZyxoSQ



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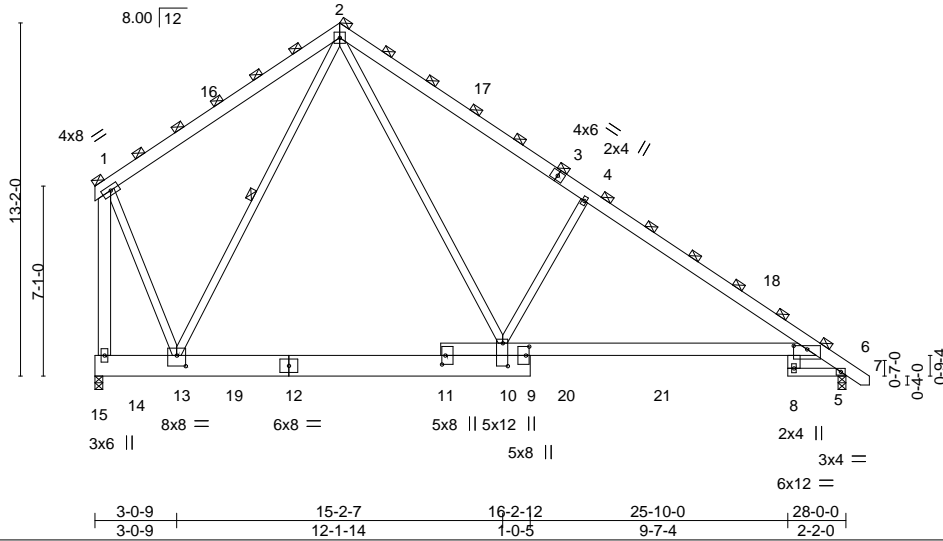


Plate Offsets (X,Y)-- [5:0-6-0,0-1-10], [9:0-4-0,0-1-8], [10:0-10-4,0-2-4], [11:0-4-0,0-1-8], [13:0-4-0,0-4-12]

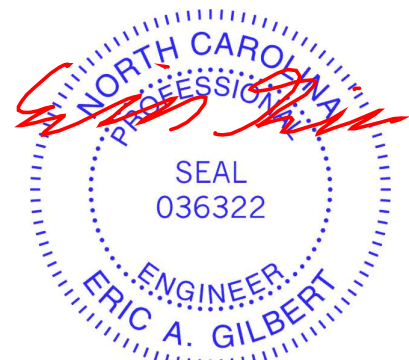
LOADING (psf)	SPACING-	4-0-0	CSI.	DEFL.	in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.85	Vert(LL) -0.20	5-10 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.63	Vert(CT) -0.42	5-10 >793 240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.44	Horz(CT) 0.18	6 n/a n/a		
BCDL 10.0	Code IRC2015/TP12014		Matrix-S	Wind(LL) 0.12	8 >999 240		
						Weight: 511 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD 2-0-0 oc purlins (5-8-12 max.), except end verticals
BOT CHORD 2x10 SP No.1 *Except*	(Switched from sheeted: Spacing > 2-0-0).
6-8: 2x4 SP No.1, 5-11: 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2 *Except*	6-0-0 oc bracing: 6-8.
1-14,5-8: 2x6 SP No.1	WEBS 1 Row at midpt 2-13

REACTIONS. (size) 14=0-3-8, 6=0-3-8
 Max Horz 14=606(LC 13)
 Max Uplift 14=151(LC 13), 6=105(LC 13)
 Max Grav 14=2656(LC 20), 6=2659(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-1160/407, 2-4=-3450/749, 4-5=-3741/555, 5-6=-1719/320, 1-14=-2733/447
 BOT CHORD 13-14=-476/625, 10-13=0/1589, 5-10=-175/3024
 WEBS 2-13=-1395/279, 2-10=-361/2979, 4-10=-1424/722, 1-13=0/2009

- NOTES-**
- 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: 2x10 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 9-1-8, Exterior(2) 9-1-8 to 13-6-5, Interior(1) 13-6-5 to 28-8-9 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 14=151, 6=105.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



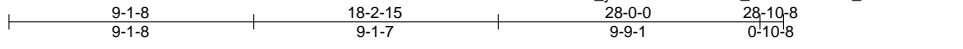
July 17, 2024

Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve
J0724-4004	A09	COMMON	4	1	166870485

Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:08 2024 Page 1

ID:M8kbvA?WTIh1vSeQ5lcK_yWBWQ-btkRPeD_RDSAxAxArTL_hYPHwPlmAOskd_hml9?yxoSP



Scale = 1:85.9

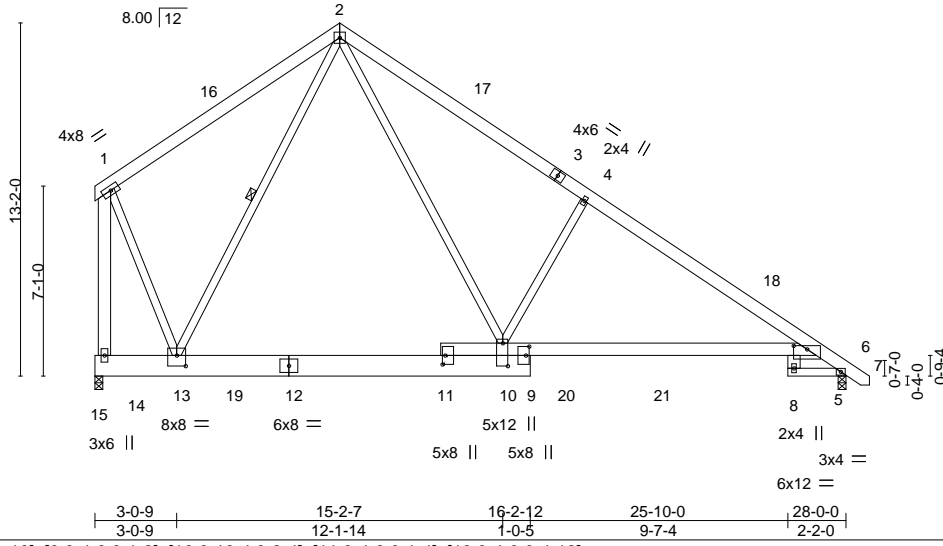


Plate Offsets (X,Y)-- [5:0-6-0,0-1-10], [9:0-4-0,0-1-8], [10:0-10-4,0-2-4], [11:0-4-0,0-1-4], [13:0-4-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.73	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.57	Vert(LL) -0.20 5-10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.59	Vert(CT) -0.42 5-10 >792 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.18 6 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.12 8 >999 240	Weight: 255 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD 2x10 SP No.1 *Except* 6-8: 2x4 SP No.1, 5-11: 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.2 *Except* 1-14,5-8: 2x6 SP No.1	WEBS 6-0-0 oc bracing: 6-8. 1 Row at midpt 2-13

REACTIONS. (size) 14=0-3-8, 6=0-3-8
 Max Horz 14=303(LC 13)
 Max Uplift 14=75(LC 13), 6=53(LC 13)
 Max Grav 14=1328(LC 20), 6=1329(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-580/204, 2-4=-1725/375, 4-5=-1871/278, 5-6=-859/160, 1-14=-1366/223
 BOT CHORD 13-14=-238/312, 10-13=0/795, 5-10=-87/1512
 WEBS 2-13=-697/140, 2-10=-181/1489, 4-10=-712/361, 1-13=0/1004

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 9-1-8, Exterior(2) 9-1-8 to 13-6-5, Interior(1) 13-6-5 to 28-8-9 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 6.



July 17, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TPH Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)

ENGINEERING BY
TRENCO
 A MiTek Affiliate

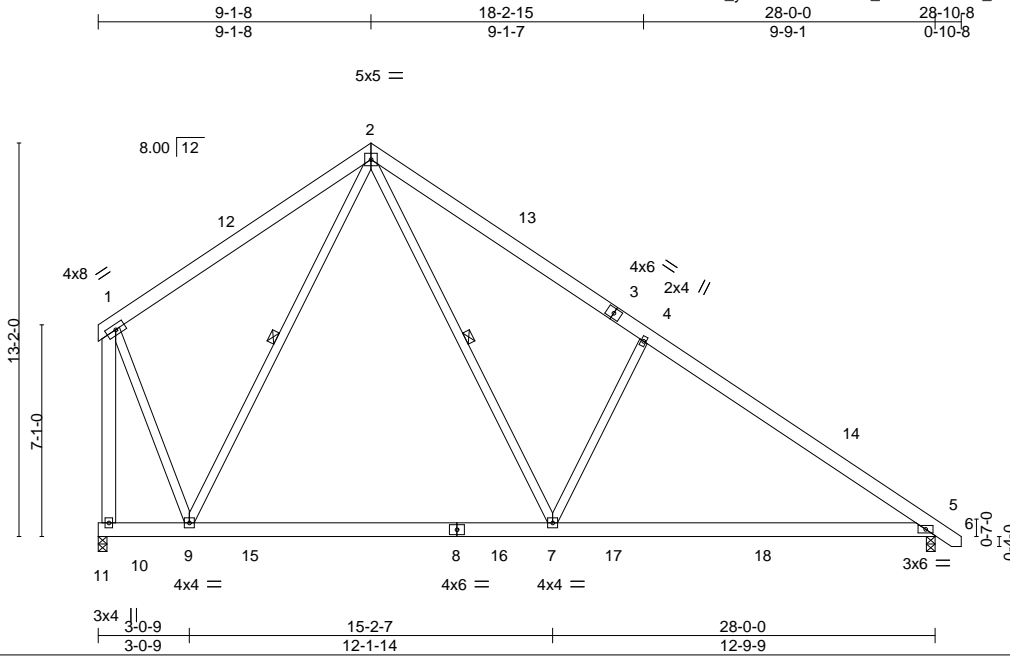
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve
J0724-4004	A10	COMMON	1	1	I66870486
					Job Reference (optional)

Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:08 2024 Page 1

ID:M8kbvA?WTIhi1vSeQ5IcK_yWBWQ-btkRPeD_RDSAAXrTL_hYPHxWijXOT0d_hml9?yxoSP



Scale = 1:77.1

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 0.66	Vert(LL)	-0.25 7-9	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.74	Horz(CT)	-0.35 5-7	>950	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57	Horz(CT)	0.02 5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.06 5-7	>999	240		
								Weight: 224 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.2 *Except*
1-10: 2x6 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-9, 2-7

REACTIONS. (size) 10=0-3-8, 5=0-3-8
Max Horz 10=-302(LC 13)
Max Uplift 10=-78(LC 13), 5=-61(LC 13)
Max Grav 10=1356(LC 20), 5=1367(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-624/200, 2-4=-1603/385, 4-5=-1760/272, 1-10=-1518/216
BOT CHORD 9-10=-240/310, 7-9=0/734, 5-7=-70/1356
WEBS 2-9=-614/151, 2-7=-196/1333, 4-7=-649/368, 1-9=0/1143

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 9-1-8, Exterior(2) 9-1-8 to 13-6-5, Interior(1) 13-6-5 to 28-8-9 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 10, 5.



July 17, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TPH Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



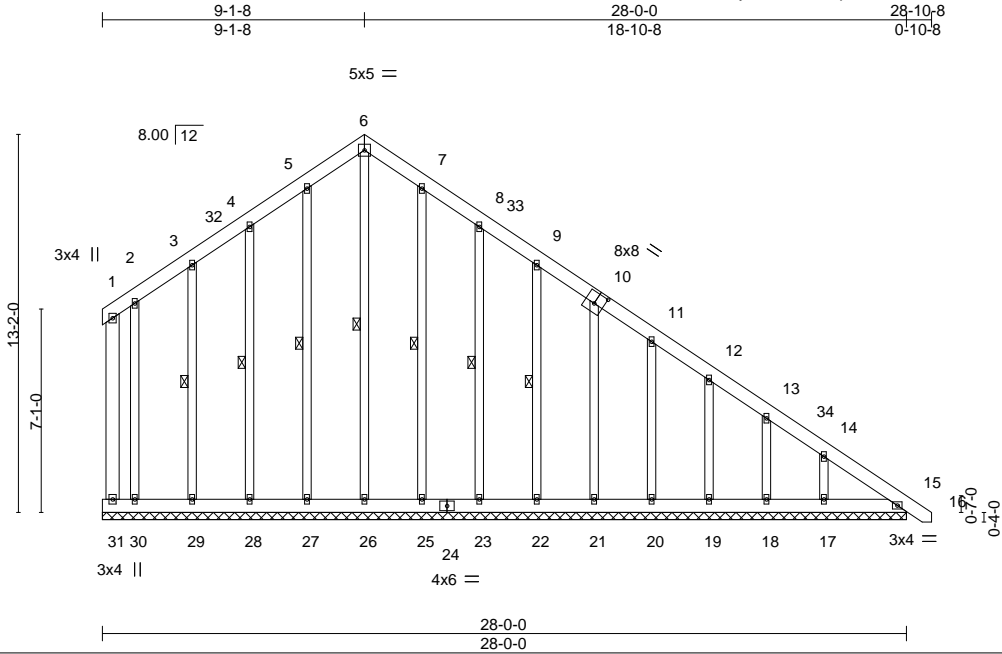
818 Soundside Road
Edenton, NC 27932

Job J0724-4004	Truss A10GE	Truss Type GABLE	Qty 1	Ply 1	Weaver Development/Lot 6 West Preserve 166870487
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:09 2024 Page 1

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Scale = 1:80.2

Plate Offsets (X,Y)--	[10:0-4-0,0-4-8]				
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 0.05	Vert(LL) 0.00 15 n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.05	Vert(CT) 0.00 15 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT) 0.01 15 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 308 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x6 SP No.1	WEBS 1 Row at midpt 6-26, 5-27, 4-28, 3-29, 7-25, 8-23, 9-22
OTHERS 2x4 SP No.2	

REACTIONS. All bearings 28-0-0.
 (lb) - Max Horz 31=-453(LC 13)
 Max Uplift All uplift 100 lb or less at joint(s) 31, 26, 27, 29, 30, 25, 23, 22, 21, 20, 19, 18 except 15=-101(LC 9), 28=-104(LC 12), 17=-133(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 31, 15, 26, 27, 28, 29, 30, 25, 23, 22, 21, 20, 19, 18 except 17=256(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 5-6=-225/277, 6-7=-225/292, 7-8=-190/277, 11-12=-259/245, 12-13=-302/273, 13-14=-372/295, 14-15=-479/345
 BOT CHORD 30-31=-290/450, 29-30=-290/450, 28-29=-290/450, 27-28=-290/450, 26-27=-290/450, 25-26=-290/450, 23-25=-290/450, 22-23=-290/450, 21-22=-290/450, 20-21=-289/448, 19-20=-289/448, 18-19=-289/448, 17-18=-289/448, 15-17=-289/448

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 4-9-1, Interior(1) 4-9-1 to 9-1-8, Exterior(2) 9-1-8 to 13-6-5, Interior(1) 13-6-5 to 28-8-9 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 31, 26, 27, 29, 30, 25, 23, 22, 21, 20, 19, 18 except (jt=lb) 15=101, 28=104, 17=133.



July 17, 2024

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TPI Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MITEK Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve	166870488
J0724-4004	B1	COMMON	6	1		

Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:09 2024 Page 1

ID:M8kbvA?WTIhi1vSeQ5lcK_yWBWQ-33Hpc_EcXa1o5I202Vw5dq9Li527rZnCLWIhSyxoSO

0-10-8	5-8-4	10-8-12	15-10-8	21-0-4	26-0-13	31-9-0	32-7-8
0-10-8	5-8-4	5-0-9	5-1-12	5-1-12	5-0-8	5-8-3	0-10-8

4x6 =

Scale = 1:67.3

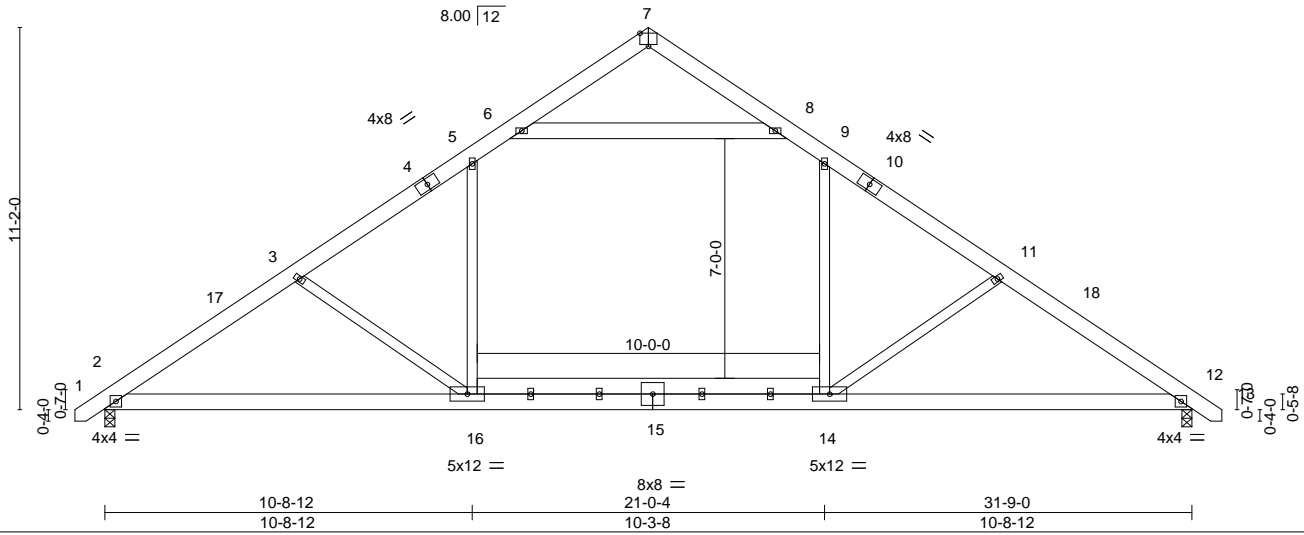


Plate Offsets (X, Y)--	[7:0-3-0,Edge]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.47	Vert(LL)	-0.28 14-16	>999	360
TCDL 10.0	Lumber DOL	1.15	BC 0.60	Vert(CT)	-0.35 14-16	>999	240
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.87	Horz(CT)	0.05 12	n/a	n/a
BCDL 10.0	Code IRC2015/TP12014		Matrix-S	Wind(LL)	0.24 2-16	>999	240
						Weight: 250 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 5-2-15 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 *Except*	
6-8: 2x6 SP No.1	

REACTIONS.	(size) 2=0-3-8, 12=0-3-8
	Max Horz 2=265(LC 11)
	Max Uplift 2=-78(LC 12), 12=-78(LC 13)
	Max Grav 2=1450(LC 19), 12=1450(LC 20)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2144/409, 3-5=-1905/365, 5-6=-1403/375, 8-9=-1403/375, 9-11=-1905/365, 11-12=-2144/409
BOT CHORD	2-16=-227/1910, 14-16=-49/1549, 12-14=-223/1712
WEBS	9-14=-1/684, 11-14=-445/218, 5-16=-1/684, 3-16=-444/218, 6-8=-1497/364

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 15-10-8, Exterior(2) 15-10-8 to 19-11-14, Interior(1) 19-11-14 to 32-5-9 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) 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.



July 17, 2024

Job J0724-4004	Truss B2	Truss Type ROOF SPECIAL	Qty 2	Ply 1	Weaver Development/Lot 6 West Preserve 166870490
Comtech, Inc. Fayetteville, NC - 28314,					Job Reference (optional)

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:10 2024 Page 1



5x12 ||

Scale = 1:69.6

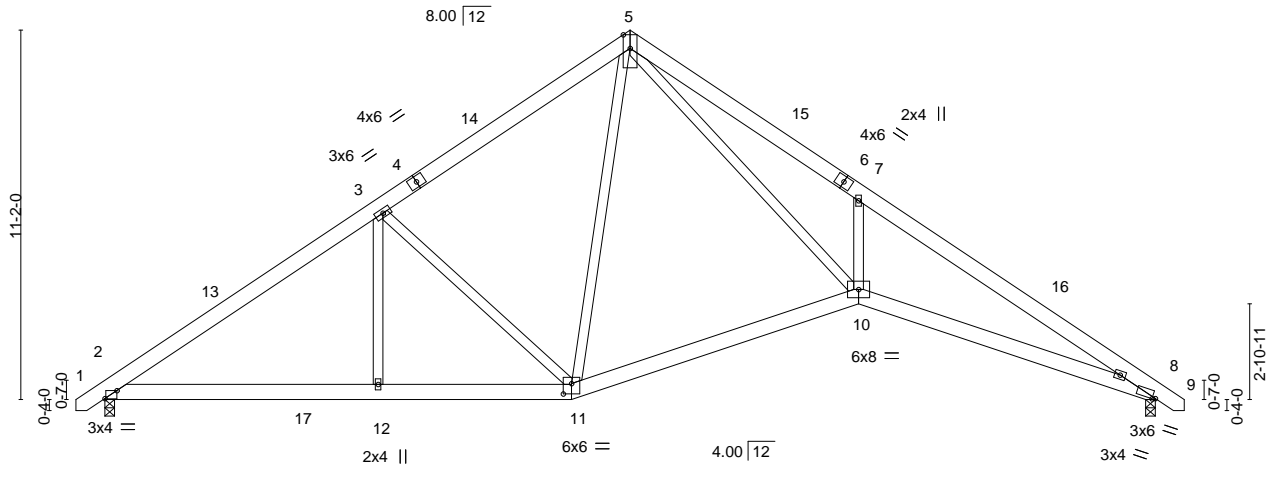


Plate Offsets (X,Y)-- [2:0-4-6,Edge], [8:0-1-2,0-0-7], [11:0-3-0,0-3-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.49	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.52	Vert(LL) -0.15 10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.86	Vert(CT) -0.31 10-11 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.19 8 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.10 10 >999 240	Weight: 225 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 8=0-3-8
 Max Horz 2=265(LC 11)
 Max Uplift 2=-78(LC 12), 8=-78(LC 13)
 Max Grav 2=1310(LC 1), 8=1310(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1865/368, 3-5=-1390/407, 5-7=-3268/751, 7-8=-3321/499
 BOT CHORD 2-12=-155/1587, 11-12=-155/1587, 10-11=0/1100, 8-10=-303/2784
 WEBS 3-12=0/303, 3-11=-706/254, 5-11=-110/376, 5-10=-465/2443, 7-10=-572/369

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-8-9 to 3-8-4, Interior(1) 3-8-4 to 15-10-8, Exterior(2) 15-10-8 to 20-3-5, Interior(1) 20-3-5 to 32-5-9 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 3-6-0 tall by 2-0-0 wide will fit 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.



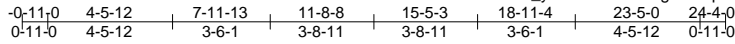
July 17, 2024

Job J0724-4004	Truss C1	Truss Type ATTIC	Qty 1	Ply 1	Weaver Development/Lot 6 West Preserve 166870491
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:11 2024 Page 1

ID:M8kbvA?WTThi1vSeQ5lcK_yWBWQ-?SPa1gFsk8qk1OvQ8TXOA2vSMVjSblL4gf?PmKyxoSM



6x8 =

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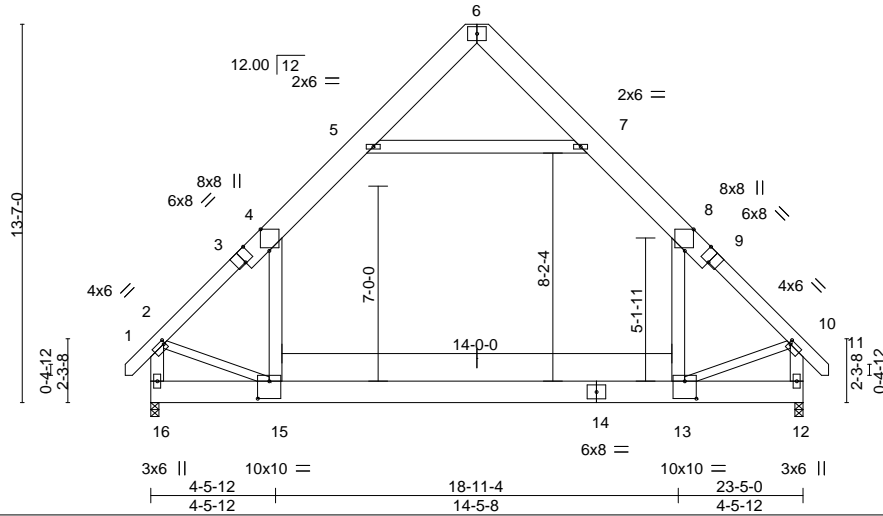


Plate Offsets (X,Y)--	[2:0-0-12,0-1-12], [3:0-4-0,Edge], [4:0-9-5,Edge], [8:0-9-5,Edge], [9:0-4-0,Edge], [10:0-0-12,0-1-12], [13:0-5-0,0-7-8], [15:0-5-0,0-7-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.86	Vert(LL) -0.26 13-15 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.85	Vert(CT) -0.40 13-15 >685 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 12 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.07 13-15 >999 240	Weight: 274 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x10 SP No.1 *Except* 1-3,9-11: 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-5-0 oc purlins, except end verticals.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 7-11-9 oc bracing.
WEBS 2x6 SP No.1 *Except* 2-15,10-13: 2x4 SP No.2	

REACTIONS. (size) 16=0-3-8, 12=0-3-8
Max Horz 16=441(LC 10)
Max Grav 16=1655(LC 21), 12=1655(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1913/0, 4-5=-1210/193, 7-8=-1210/193, 8-10=-1912/0, 2-16=-2003/0, 10-12=-2004/1
BOT CHORD 15-16=-430/553, 13-15=0/1249
WEBS 5-7=-1329/217, 4-15=0/965, 8-13=0/965, 2-15=0/1214, 10-13=0/1218

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-9-8 to 3-7-5, Exterior(2) 3-7-5 to 11-8-8, Corner(3) 11-8-8 to 15-11-3, Exterior(2) 15-11-3 to 24-2-8 zone; end vertical left and right exposed; 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s). 4-15, 8-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
 - Attic room checked for L/360 deflection.



July 17, 2024

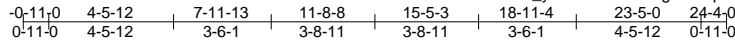
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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/TPH Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job J0724-4004	Truss C2	Truss Type ATTIC	Qty 5	Ply 1	Weaver Development/Lot 6 West Preserve 166870492
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:11 2024 Page 1

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6x8 =

Scale = 1:82.7

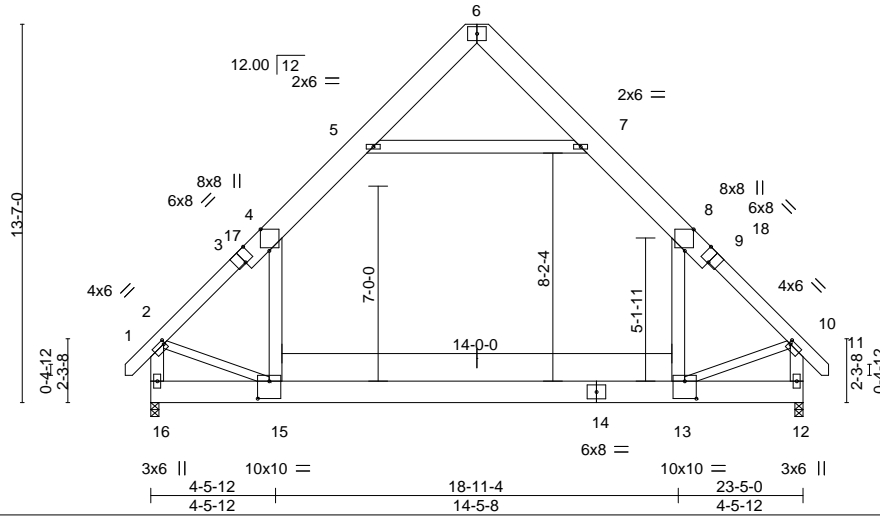


Plate Offsets (X,Y)--	[2:0-0-12,0-1-12], [3:0-4-0,Edge], [4:0-9-5,Edge], [8:0-9-5,Edge], [9:0-4-0,Edge], [10:0-0-12,0-1-12], [13:0-5-0,0-7-8], [15:0-5-0,0-7-8]
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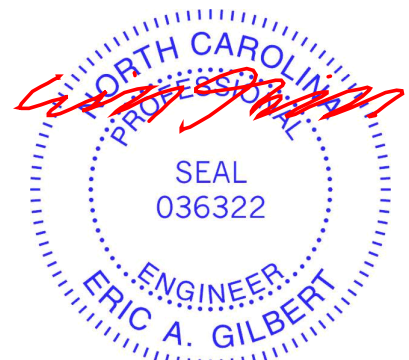
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.86	Vert(LL) -0.26 13-15 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.85	Vert(CT) -0.40 13-15 >685 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 12 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.06 13-15 >999 240	Weight: 274 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x10 SP No.1 *Except* 1-3,9-11: 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-5-0 oc purlins, except end verticals.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 7-11-9 oc bracing.
WEBS 2x6 SP No.1 *Except* 2-15,10-13: 2x4 SP No.2	

REACTIONS. (size) 16=0-3-8, 12=0-3-8
 Max Horz 16=-352(LC 10)
 Max Grav 16=1661(LC 21), 12=1661(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1896/0, 4-5=-1203/150, 7-8=-1203/150, 8-10=-1896/0, 2-16=-1989/0, 10-12=-1990/0
 BOT CHORD 15-16=-332/458, 13-15=0/1218
 WEBS 5-7=-1329/138, 4-15=0/965, 8-13=0/965, 2-15=0/1173, 10-13=0/1176

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-9-8 to 3-7-5, Interior(1) 3-7-5 to 11-8-8, Exterior(2) 11-8-8 to 15-11-3, Interior(1) 15-11-3 to 24-2-8 zone; end vertical left and right exposed; 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Ceiling dead load (10.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s). 4-15, 8-13
 - 6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
 - 7) Attic room checked for L/360 deflection.



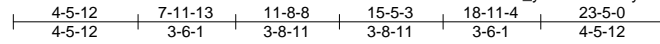
July 17, 2024

Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve	166870493
J0724-4004	C3	ATTIC	6	1	Job Reference (optional)	

Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:12 2024 Page 1

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6x8 =

Scale = 1:82.7

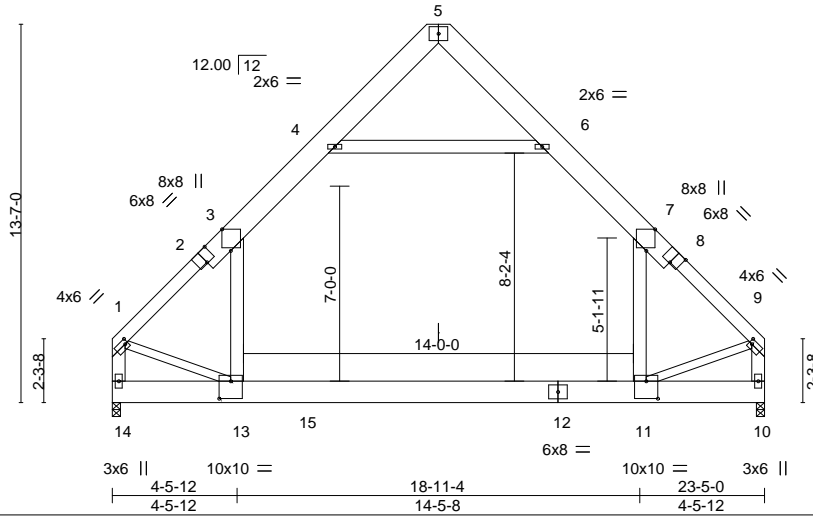


Plate Offsets (X, Y)-- [1:0-1-4,0-2-0], [2:0-4-0,Edge], [3:0-9-5,Edge], [7:0-9-5,Edge], [8:0-4-0,Edge], [9:0-1-4,0-2-0], [11:0-5-0,0-7-8], [13:0-5-0,0-7-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.99	Vert(LL) -0.28 11-13 >994 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.96	Vert(CT) -0.43 11-13 >636 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-S	Horz(CT) 0.01 10 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.06 11-13 >999 240	Weight: 269 lb	FT = 20%

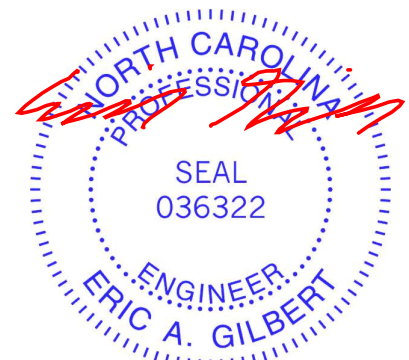
LUMBER-	BRACING-
TOP CHORD 2x10 SP No.1 *Except* 1-2,8-9: 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins, except end verticals.
BOT CHORD 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 7-3-12 oc bracing.
WEBS 2x6 SP No.1 *Except* 1-13,9-11: 2x4 SP No.2	

REACTIONS. (size) 14=0-3-8, 10=0-3-8
 Max Horz 14=315(LC 11)
 Max Grav 14=1746(LC 21), 10=1673(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-2019/0, 3-4=-1249/156, 4-5=-133/269, 5-6=-141/256, 6-7=-1264/153, 7-9=-1987/0,
 1-14=-2086/0, 9-10=-2055/0
 BOT CHORD 13-14=-314/383, 11-13=0/1282
 WEBS 4-6=-1452/157, 3-13=0/1045, 7-11=0/989, 1-13=0/1269, 9-11=0/1306

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-2-12 to 4-5-4, Interior(1) 4-5-4 to 11-8-8, Exterior(2) 11-8-8 to 15-11-3, Interior(1) 15-11-3 to 23-2-4 zone; end vertical right exposed; 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Ceiling dead load (10.0 psf) on member(s), 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s), 3-13, 7-11
 - 6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room, 11-13
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 182 lb down and 25 lb up at 6-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) Attic room checked for L/360 deflection.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 13-14=-20, 11-13=-40, 10-11=-20, 1-3=-60, 3-4=-80, 4-5=-60, 5-6=-60, 6-7=-80, 7-9=-60, 4-6=-20
 Drag: 3-13=-10, 7-11=-10
 Concentrated Loads (lb)
 Vert: 15=-100(B)

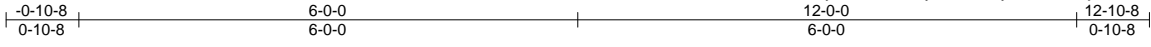


July 17, 2024

Job J0724-4004	Truss P1	Truss Type COMMON	Qty 6	Ply 1	Weaver Development/Lot 6 West Preserve 166870494
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:12 2024 Page 1
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4x4 =

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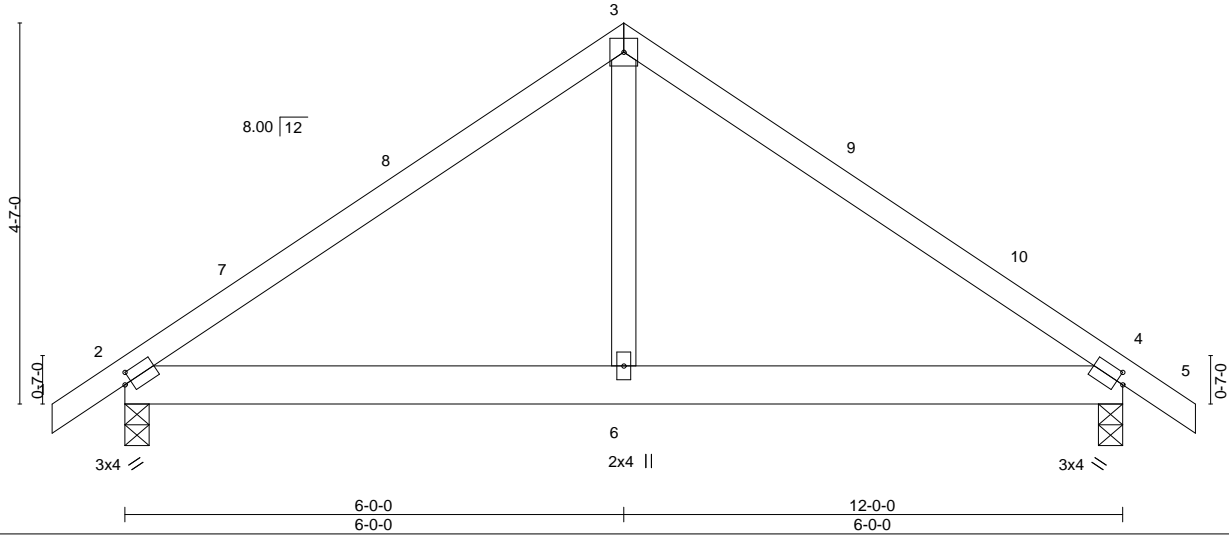


Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [4:0-1-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) -0.01 4-6 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.12	Vert(CT) -0.02 4-6 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 4 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.03 4-6 >999 240	Weight: 59 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.2

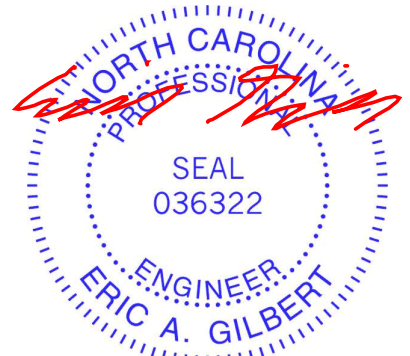
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
 Max Horz 2=-110(LC 10)
 Max Uplift 2=-39(LC 8), 4=-75(LC 8)
 Max Grav 2=530(LC 1), 4=530(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-568/529, 3-4=-568/529
 BOT CHORD 2-6=-298/375, 4-6=-298/375
 WEBS 3-6=-405/300

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph 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 6-0-0, Exterior(2) 6-0-0 to 10-4-13, Interior(1) 10-4-13 to 12-10-8 zone; porch left exposed; 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



July 17, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



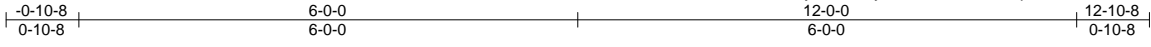
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Weaver Development/Lot 6 West Preserve	I66870495
J0724-4004	P1GE	GABLE	1	1	Job Reference (optional)	

Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:13 2024 Page 1

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4x4 =

Scale = 1:27.7

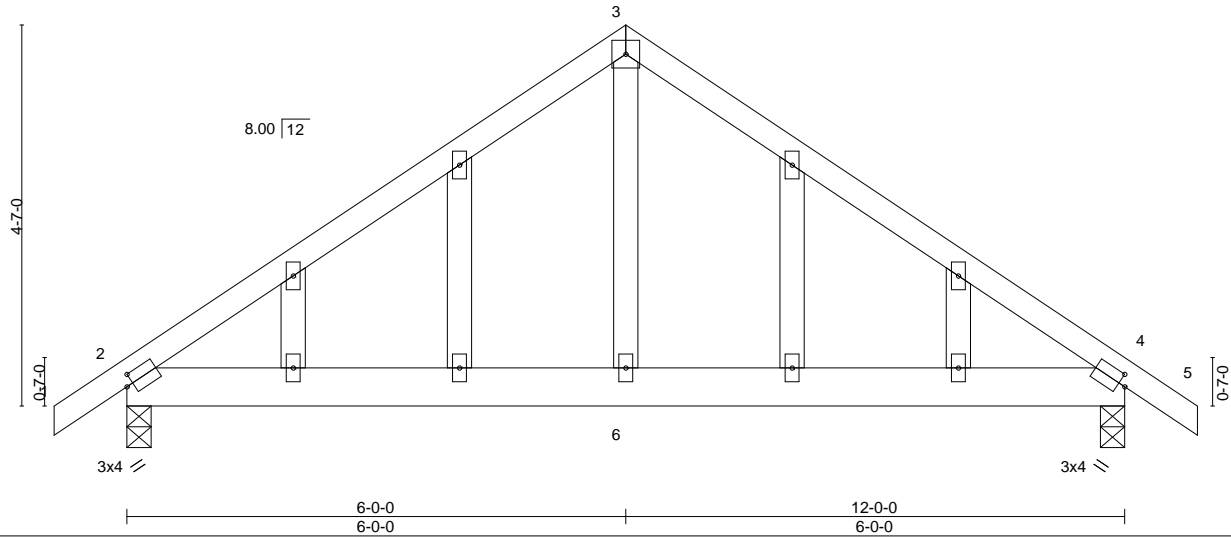


Plate Offsets (X, Y)--	[2:0-1-0,0-1-8], [4:0-1-0,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) -0.01 4-6 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) -0.02 4-6 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 4 n/a n/a	Weight: 70 lb	FT = 20%
	Code IRC2015/TPI2014		Wind(LL) 0.02 2-6 >999 240		

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	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	
OTHERS 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 4=0-3-8
 Max Horz 2=137(LC 11)
 Max Uplift 2=119(LC 12), 4=119(LC 13)
 Max Grav 2=530(LC 1), 4=530(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-568/165, 3-4=-568/165
 BOT CHORD 2-6=-24/387, 4-6=-24/387
 WEBS 3-6=0/300

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-6-5, Exterior(2) 3-6-5 to 6-0-0, Corner(3) 6-0-0 to 10-4-13, Exterior(2) 10-4-13 to 12-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=119, 4=119.



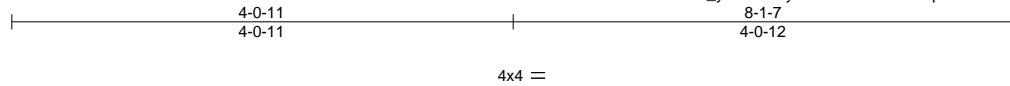
July 17, 2024

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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 and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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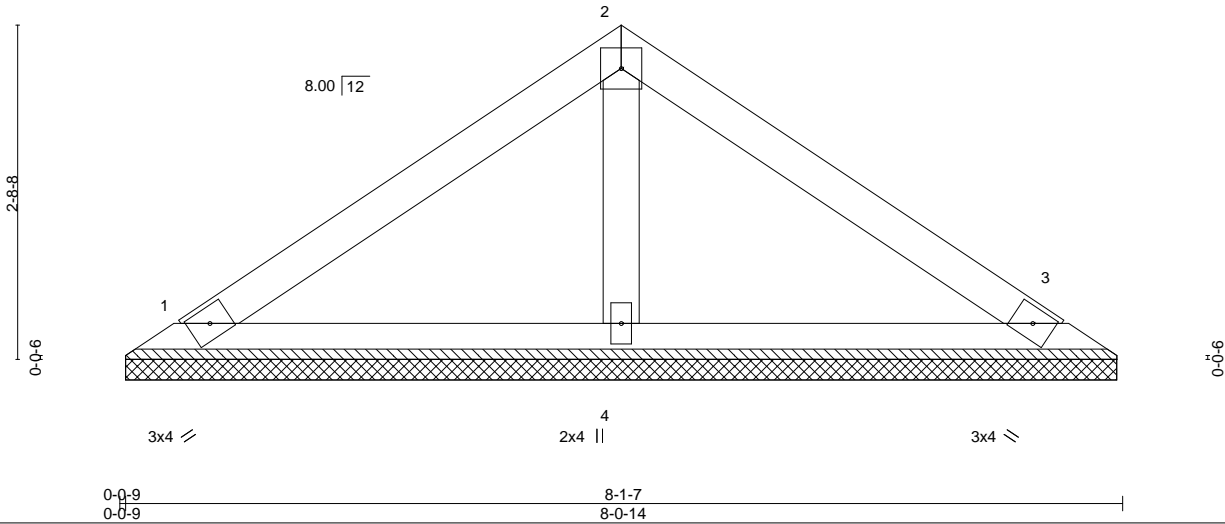
Job J0724-4004	Truss VP1	Truss Type VALLEY	Qty 1	Ply 1	Weaver Development/Lot 6 West Preserve 166870496
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8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:13 2024 Page 1
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Scale = 1:18.7



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 28 lb	FT = 20%
	Code IRC2015/TPI2014							

LUMBER-
 TOP CHORD 2x4 SP No.1
 BOT CHORD 2x4 SP No.1
 OTHERS 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=8-0-5, 3=8-0-5, 4=8-0-5
 Max Horz 1=57(LC 11)
 Max Uplift 1=24(LC 12), 3=30(LC 13)
 Max Grav 1=155(LC 1), 3=155(LC 1), 4=260(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=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.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- Non Standard bearing condition. Review required.



July 17, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 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/TP1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacomponents.com)



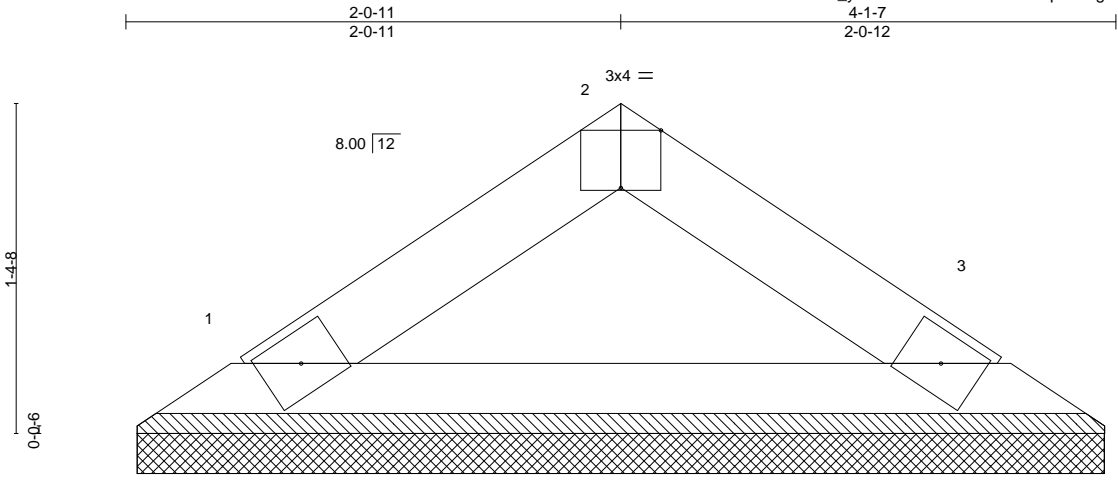
818 Soundside Road
 Edenton, NC 27932

Job J0724-4004	Truss VP2	Truss Type VALLEY	Qty 1	Ply 1	Weaver Development/Lot 6 West Preserve 166870497
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Comtech, Inc. Fayetteville, NC - 28314,

8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Jul 15 14:05:14 2024 Page 1

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Scale = 1:9.6

Plate Offsets (X,Y)--	[2:0-2-0,Edge]	4-1-7	4-0-14
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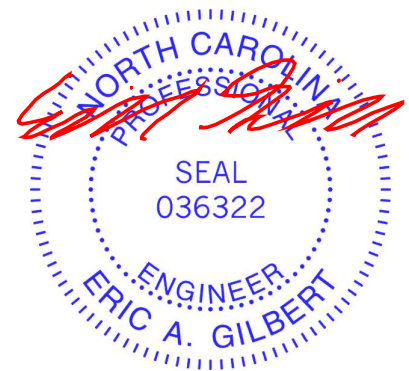
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.03	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 12 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-1-7 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-0-5, 3=4-0-5
 Max Horz 1=25(LC 8)
 Max Uplift 1=7(LC 12), 3=7(LC 13)
 Max Grav 1=125(LC 1), 3=125(LC 1)

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

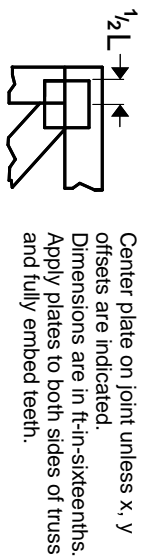
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - 6) Non Standard bearing condition. Review required.



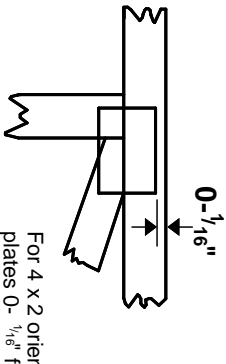
July 17, 2024

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.



For 4 x 2 orientation, locate plates 0- 1/16\"/>



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

* Plate location details available in MITek software or upon request.

PLATE SIZE

4 X 4

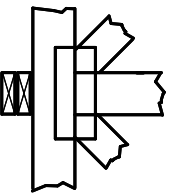
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

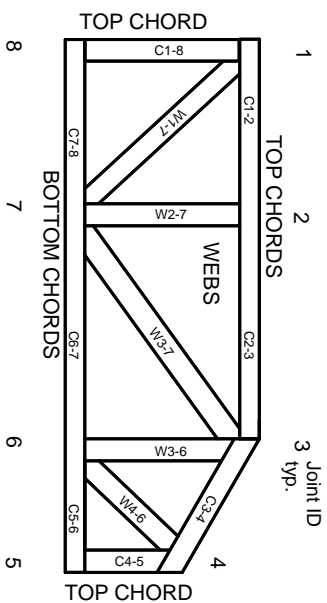


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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.

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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.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

MITek

ENGINEERING BY
TRENGO
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MITek Engineering Reference Sheet: MIL-7473 rev. 1/2/2023