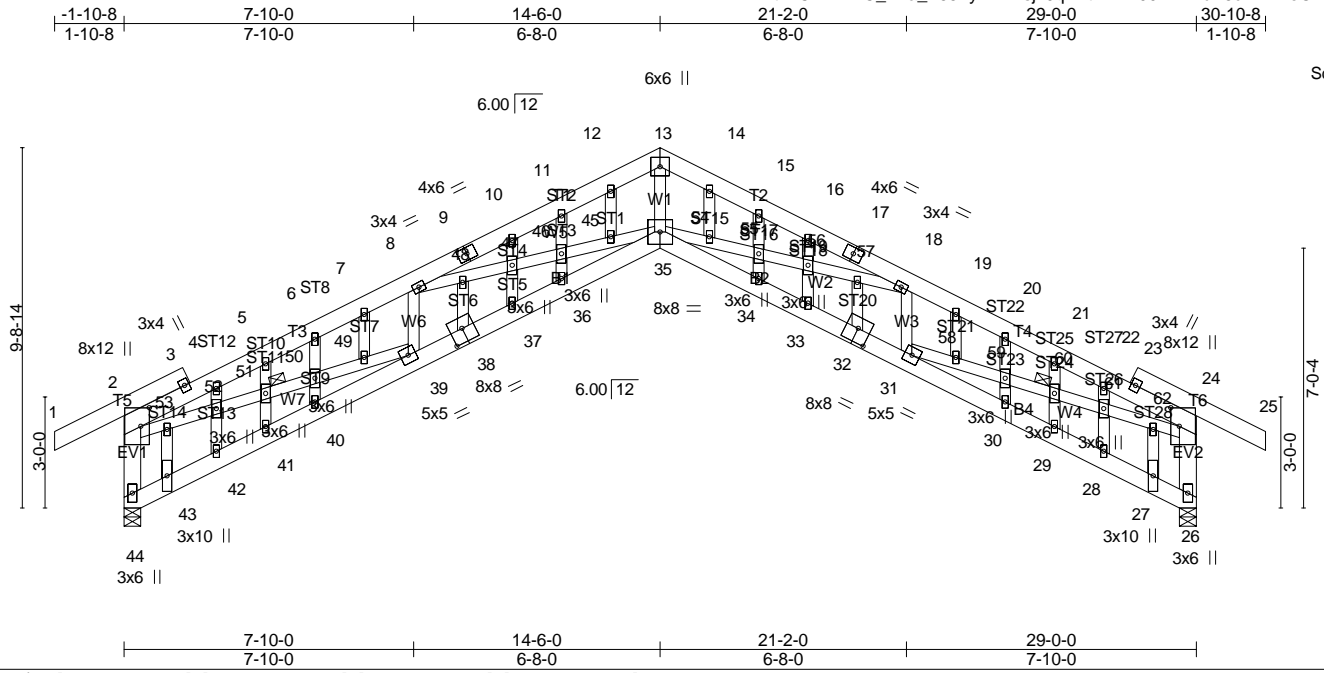


Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A1-GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:09 2024 Page 1  
 ID:7vLtL7CfMYZYC\_kRa\_F65ZyiM?E-sjz0qH4tzxxLL00ED17uX6chZmZeO2ibat9ttZylx?i



Scale = 1:62.3

Plate Offsets (X,Y)-- [2:0-6-0,0-2-12], [24:0-6-0,0-2-12], [32:0-4-0,0-4-8], [38:0-4-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	Vert(LL) -0.32	35	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.55	Vert(CT) -0.65	35	>530	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 1.00	Horz(CT) 0.70	26	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Wind(LL) 0.27	36	>999	240		
	Code IBC2021/TPI2014						Weight: 272 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except*	JOINTS 1 Brace at Jt(s): 51, 60
OTHERS 2x4 SP No.2	

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 44=1268/0-5-8 (min. 0-1-8), 26=1268/0-5-8 (min. 0-1-8)  
 Max Horz 44=221(LC 11)  
 Max Uplift 44=-288(LC 12), 26=-288(LC 13)

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

**TOP CHORD** 2-44=-2009/473, 2-3=-3158/706, 3-4=-3103/714, 4-5=-3449/800, 5-6=-3292/794, 6-7=-3359/840, 7-8=-3111/807, 8-9=-4144/787, 9-63=-4084/791, 10-63=-4080/792, 10-11=-4120/825, 11-12=-4085/854, 12-13=-3965/862, 13-14=-3965/871, 14-15=-4085/874, 15-16=-4120/852, 16-64=-4080/820, 17-64=-4083/817, 17-18=-4144/815, 18-19=-3111/702, 19-20=-3359/732, 20-21=-3292/688, 21-22=-3449/693, 22-23=-3103/614, 23-24=-3158/604, 24-26=-2009/517

**BOT CHORD** 43-44=-256/581, 41-42=-210/309, 40-41=-210/263, 39-40=-221/374, 38-39=-750/3190, 37-38=-750/3162, 36-37=-767/3217, 35-36=-774/3213, 34-35=-625/3213, 33-34=-623/3217, 32-33=-608/3162, 31-32=-615/3190, 30-31=-103/251, 26-27=-123/489

**WEBS** 13-35=-596/2984, 35-54=-84/892, 54-55=-85/923, 55-56=-86/912, 56-57=-86/909, 18-57=-84/899, 18-31=-872/187, 31-58=-508/2762, 58-59=-524/2852, 59-60=-528/2870, 60-61=-531/2887, 61-62=-514/2797, 24-62=-515/2809, 8-48=0/844, 47-48=0/854, 46-47=0/857, 45-46=0/866, 35-45=0/837, 8-39=-872/161, 2-53=-527/2809, 52-53=-525/2797, 51-52=-542/2887, 50-51=-540/2870, 49-50=-536/2852, 39-49=-519/2762, 7-49=-91/482, 40-50=-290/102, 5-51=-26/263, 4-52=-785/176, 42-52=-477/116, 43-53=-226/1227, 19-58=-84/482, 30-59=-290/96, 21-60=-26/263, 22-61=-785/161, 28-61=-477/104, 27-62=-218/1227

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-10-8 to 2-6-0, Interior(1) 2-6-0 to 14-6-0, Exterior(2R) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 30-10-8 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
  - 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 1-4-0 oc.
  - 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A1-GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:10 2024 Page 2  
ID:7vL7CfMYZYC\_kRa\_F65ZyiM?E-KwXO2d5Vkf3CzAaRnle74K9slAut7VyloXuRP?yIx?h

**NOTES-**

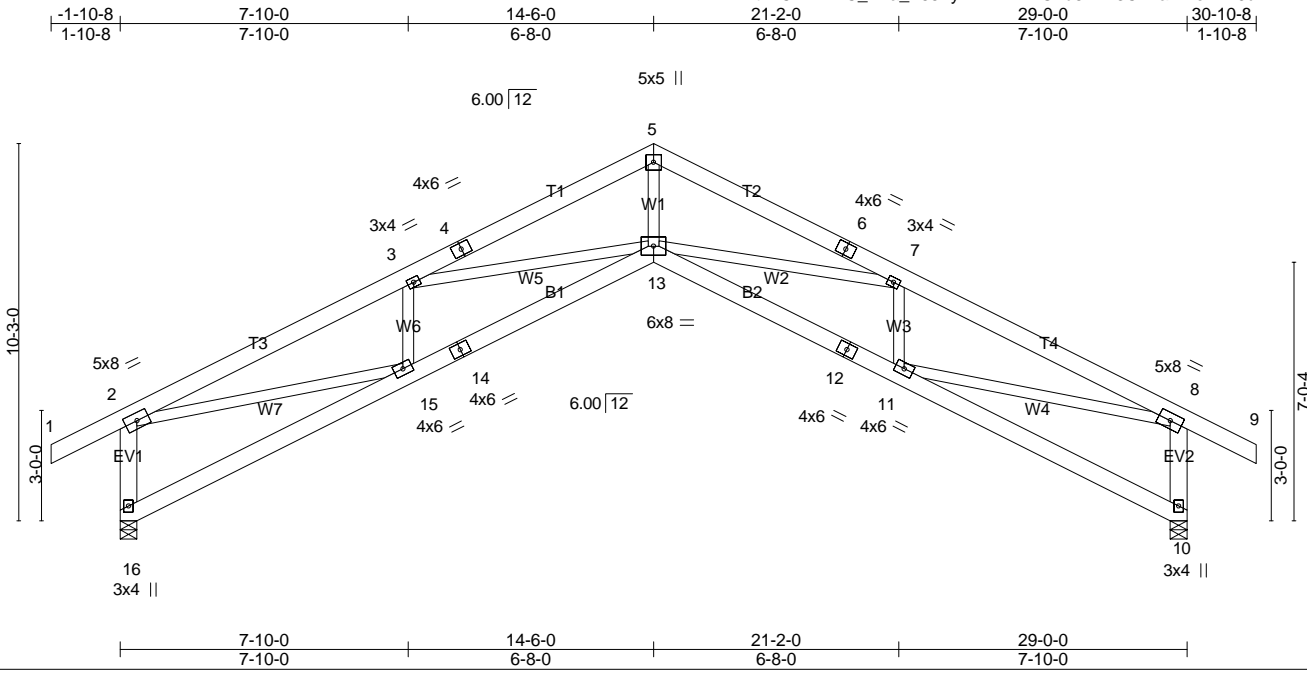
- 8) Bearing at joint(s) 44, 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 44=288, 26=288.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A2	ROOF SPECIAL	21	1	

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:10 2024 Page 1  
 ID:7vLtL7CfMYZYC\_kRa\_F65ZyiM?E-KwXO2d5Vkf3CzAaRnle74K9umAxr7bjloXuRP?yIx?h



Scale = 1:62.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.23	Vert(LL)	-0.19	13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.36	Vert(CT)	-0.38	13	>899		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.42	10	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-AS	Wind(LL)	0.13	13	>999		
								Weight: 226 lb	FT = 25%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2 \*Except\*  
 EV1,EV2: 2x6 SP No.1

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied, except end verticals.  
 BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 16=1268/0-5-8 (min. 0-1-8), 10=1268/0-5-8 (min. 0-1-8)  
 Max Horz 16=201(LC 11)  
 Max Uplift 16=-93(LC 12), 10=-93(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-1241/360, 2-17=-2750/616, 3-17=-2637/645, 3-4=-3392/628, 4-18=-3331/637,  
 5-18=-3300/660, 5-19=-3300/682, 6-19=-3331/658, 6-7=-3392/650, 7-20=-2637/569,  
 8-20=-2750/532, 8-10=-1241/441  
 BOT CHORD 15-16=-185/310, 14-15=-598/2612, 13-14=-590/2653, 12-13=-475/2653, 11-12=-483/2612  
 WEBS 5-13=-382/2563, 7-13=-27/684, 7-11=-653/233, 8-11=-376/2253, 3-13=0/656,  
 3-15=-653/230, 2-15=-371/2253

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; 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(2E) -1-10-8 to 2-6-5, Interior(1) 2-6-5 to 14-6-0, Exterior(2R) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 30-10-8 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) Bearing at joint(s) 16, 10 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) 16, 10.
  - 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A3	ROOF SPECIAL	4	1	

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:11 2024 Page 1  
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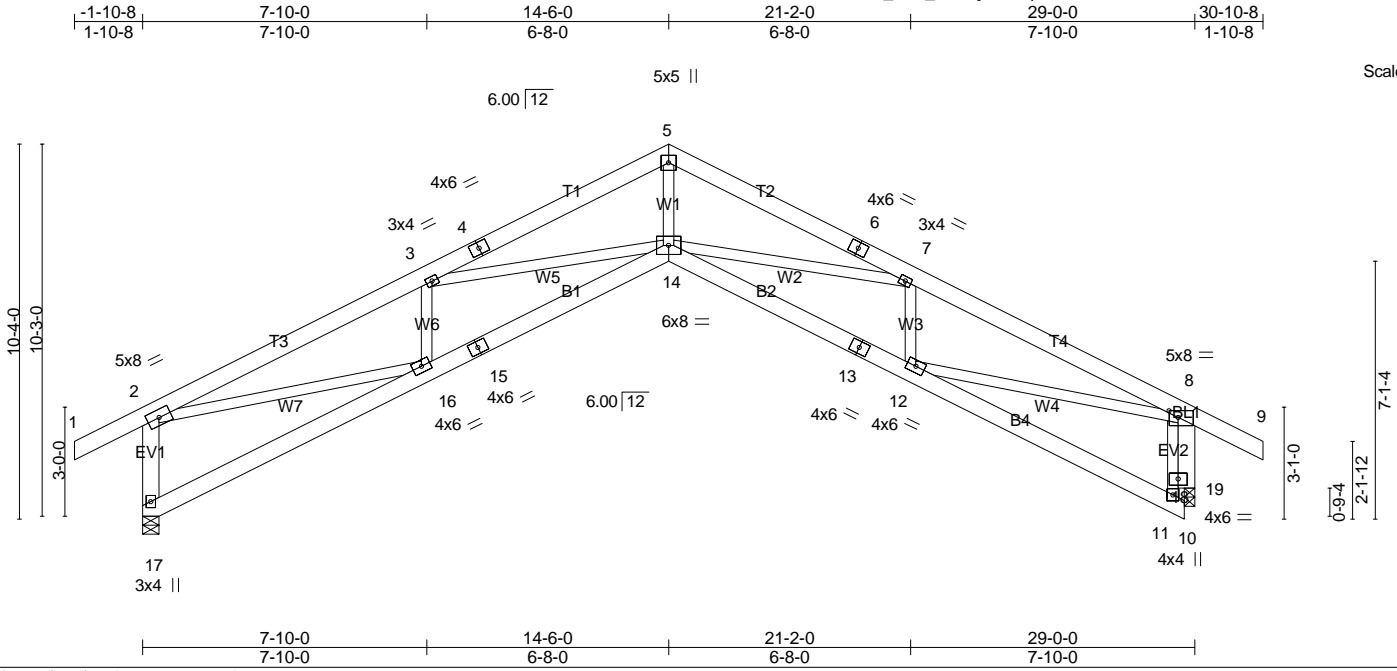


Plate Offsets (X,Y)-- [8:0-3:0,0-2-4]

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 0.30	Vert(LL)	-0.19	14	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.36	Vert(CT)	-0.38	14	>914	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.40	19	n/a	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-AS	Wind(LL)	0.12	14	>999	240		
									Weight: 227 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except*	
EV1: 2x6 SP No.1	
OTHERS 2x6 SP No.1	

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 17=1272/0-5-8 (min. 0-1-8), 19=1263/0-3-8 (min. 0-1-8)  
 Max Horz 17=-186(LC 10)  
 Max Uplift 17=-91(LC 12), 19=-91(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-17=-1244/395, 2-20=-2761/536, 3-20=-2648/565, 3-4=-3414/481, 4-21=-3353/490,  
 5-21=-3323/514, 5-22=-3323/534, 6-22=-3353/510, 6-7=-3413/502, 7-8=-2771/510  
 BOT CHORD 16-17=-145/286, 15-16=-452/2623, 14-15=-444/2664, 13-14=-345/2679, 12-13=-353/2638,  
 11-12=-74/373  
 WEBS 5-14=-248/2580, 7-14=0/666, 7-12=-638/193, 8-12=-246/2080, 3-14=0/665, 3-16=-657/206,  
 2-16=-300/2262, 8-19=-1298/366

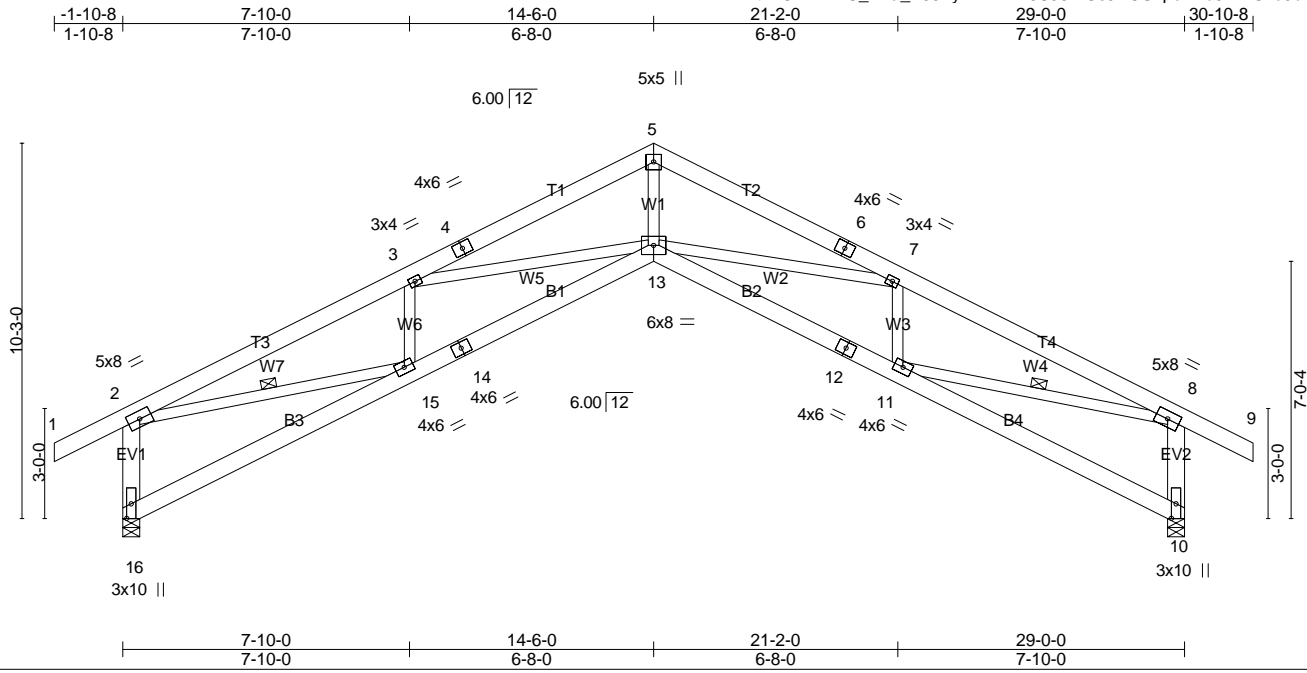
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -1-10-8 to 2-6-5, Interior(1) 2-6-5 to 14-6-0, Exterior(2R) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 30-10-8 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.
  - Bearing at joint(s) 17, 19 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) 17, 19.
  - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A4	ROOF SPECIAL	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:12 2024 Page 1  
 ID:7vLtl7CfMYZYC\_kRa\_F65ZyiM?E-Hlf9Sj6mGsJwCUkpuAhb9lEEGzdJbVC2GrNXtTyx?f



Scale = 1:62.9

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.23	Vert(LL)	-0.19	13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.36	Vert(CT)	-0.38	13	>899		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.42	10	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-AS	Wind(LL)	0.24	13-15	>999		
								Weight: 226 lb	FT = 25%

<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except*	WEBS 1 Row at midpt 8-11, 2-15
EV1,EV2: 2x6 SP No.1	

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 16=1268/0-5-8 (min. 0-1-8), 10=1268/0-5-8 (min. 0-1-8)  
 Max Horz 16=-201(LC 10)  
 Max Uplift 16=-249(LC 9), 10=-249(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-16=-1241/736, 2-17=-2750/1711, 3-17=-2637/1748, 3-4=-3393/1796, 4-18=-3332/1800,  
 5-18=-3301/1824, 5-19=-3301/1845, 6-19=-3332/1822, 6-7=-3393/1817, 7-20=-2637/1628,  
 8-20=-2750/1591, 8-10=-1241/803  
 BOT CHORD 15-21=-203/299, 14-15=-1514/2612, 14-22=-1502/2620, 13-22=-1495/2653,  
 13-23=-1316/2653, 12-23=-1322/2620, 11-12=-1333/2612  
 WEBS 5-13=-1408/2562, 7-13=-75/669, 7-11=-653/252, 8-11=-1253/2252, 3-13=0/656,  
 3-15=-653/232, 2-15=-1294/2252

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; 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(2E) -1-10-8 to 2-6-5, Interior(1) 2-6-5 to 14-6-0, Exterior(2R) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 30-10-8 zone; end vertical left and right exposed; porch 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) Bearing at joint(s) 16, 10 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) except (jt=lb) 16=249, 10=249.
  - 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A5-GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:13 2024 Page 1  
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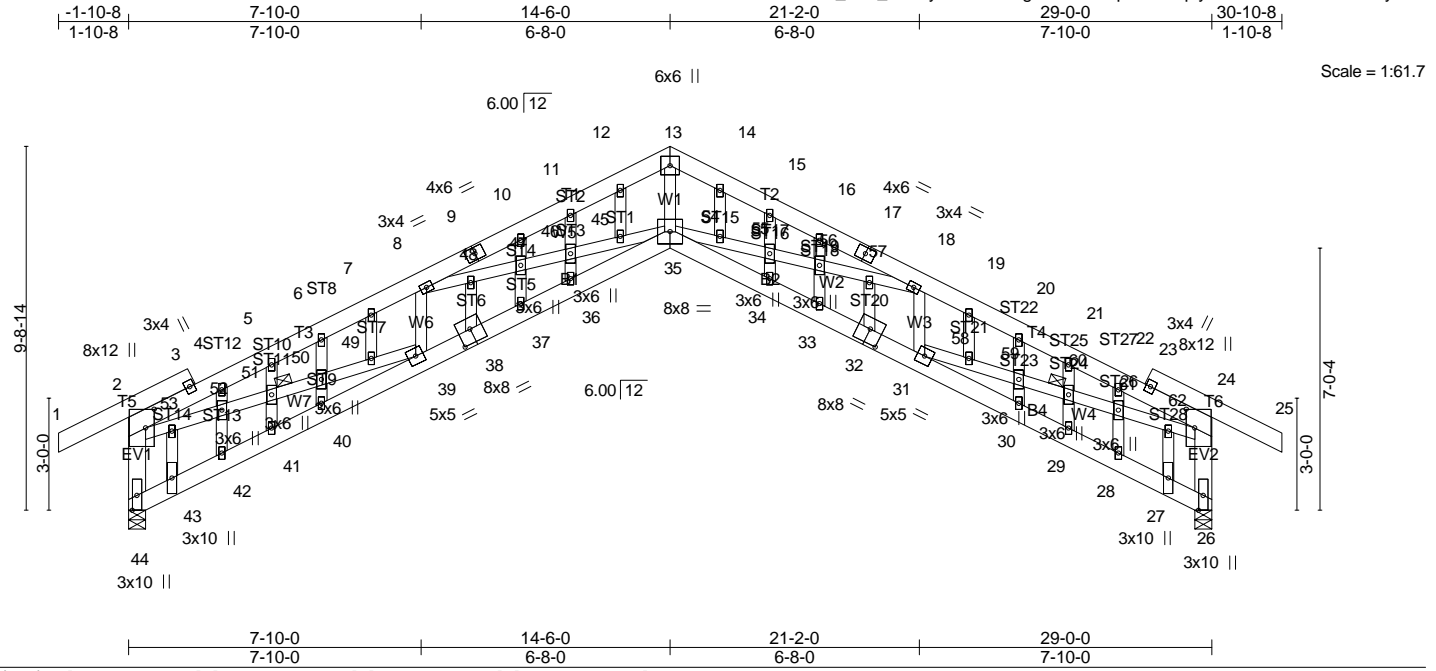


Plate Offsets (X,Y)--	[2:0-6-0,0-2-12], [24:0-6-0,0-2-12], [32:0-4-0,0-4-8], [38:0-4-0,0-4-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	Vert(LL)	-0.32	35	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.55	Vert(CT)	-0.65	35	>530		
BCLL 0.0 *	Lumber DOL 1.15	WB 1.00	Horz(CT)	0.70	26	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Wind(LL)	0.39	35-36	>867		
	Code IBC2021/TPI2014						Weight: 272 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except*	JOINTS 1 Brace at Jt(s): 51, 60
EV1, EV2: 2x6 SP No.1, W4, W7: 2x4 SP No.1	
OTHERS 2x4 SP No.2	

**REACTIONS.** (lb/size) 44=1268/0-5-8 (min. 0-1-8), 26=1268/0-5-8 (min. 0-1-8)  
Max Horz 44=-221(LC 10)  
Max Uplift 44=-327(LC 9), 26=-327(LC 8)

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

**TOP CHORD** 2-44=-2009/1226, 2-3=-3158/2015, 3-4=-3103/2019, 4-5=-3449/2231, 5-6=-3292/2164, 6-7=-3359/2229, 7-8=-3111/2102, 8-9=-4144/2274, 9-63=-4083/2278, 10-63=-4080/2280, 10-11=-4120/2300, 11-12=-4085/2301, 12-13=-3965/2282, 13-14=-3965/2295, 14-15=-4085/2328, 15-16=-4120/2325, 16-64=-4080/2301, 17-64=-4083/2299, 17-18=-4144/2295, 18-19=-3111/1939, 19-20=-3359/2058, 20-21=-3292/1997, 21-22=-3449/2060, 22-23=-3103/1862, 23-24=-3158/1856, 24-26=-2009/1238

**BOT CHORD** 43-44=-490/489, 41-42=-270/286, 40-41=-209/263, 39-40=-269/364, 38-39=-1958/3190, 38-65=-1952/3159, 37-65=-1946/3162, 36-37=-1959/3217, 35-36=-1918/3213, 34-35=-1694/3213, 33-34=-1727/3217, 33-66=-1712/3162, 32-66=-1718/3159, 31-32=-1735/3190, 30-31=-103/251, 26-27=-319/489

**WEBS** 13-35=-1709/2984, 35-54=-197/865, 54-55=-212/892, 55-56=-201/886, 56-57=-200/882, 18-57=-199/872, 18-31=-872/425, 31-58=-1582/2762, 58-59=-1635/2852, 59-60=-1643/2870, 60-61=-1653/2887, 61-62=-1601/2797, 24-62=-1608/2809, 8-48=-12/844, 47-48=-10/854, 46-47=-9/857, 45-46=-24/866, 35-45=-12/837, 8-39=-872/402, 2-53=-1684/2809, 52-53=-1675/2797, 51-52=-1730/2887, 50-51=-1720/2870, 49-50=-1712/2852, 39-49=-1655/2762, 7-49=-302/482, 40-50=-290/157, 5-51=-163/263, 4-52=-785/457, 42-52=-477/271, 43-53=-735/1227, 19-58=-282/482, 30-59=-290/147, 21-60=-156/263, 22-61=-785/425, 28-61=-477/247, 27-62=-696/1227

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-10-8 to 2-6-0, Interior(1) 2-6-0 to 14-6-0, Exterior(2R) 14-6-0 to 18-10-13, Interior(1) 18-10-13 to 30-10-8 zone; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - 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.
  - All plates are 2x4 MT20 unless otherwise indicated.
  - Gable studs spaced at 1-4-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	A5-GE	GABLE	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:13 2024 Page 2  
ID:7vLtL7CfMYZYC\_kRa\_F65ZyiM?E-IVCXge7O1ARnqeJ0StCqhynNYNwZKshBVV750Kylx?e

**NOTES-**

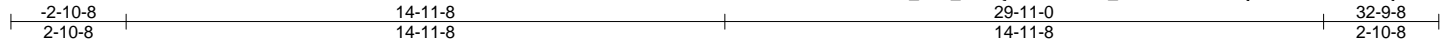
- 7) \* This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 44, 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. 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) 44=327, 26=327.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	B1-GE	GABLE	1	1	

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:14 2024 Page 1  
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Scale = 1:57.6

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.15	TC 0.25	Vert(LL)	-0.02	27	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.04	27	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	28	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-R						
								Weight: 228 lb	FT = 25%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.  
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** All bearings 29-11-0.  
(lb) - Max Horz 48=170(LC 12)  
Max Uplift All uplift 100 lb or less at joint(s) 39, 40, 41, 42, 43, 44, 45, 46, 47, 37, 36, 35, 34, 33, 32, 31, 30, 29 except 48=-145(LC 8), 28=-155(LC 13)  
Max Grav All reactions 250 lb or less at joint(s) 39, 40, 41, 42, 43, 44, 45, 46, 47, 37, 36, 35, 34, 33, 32, 31, 30, 29 except 48=397(LC 25), 38=257(LC 13), 28=398(LC 26)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 10-11=-78/268, 11-12=-92/308, 12-13=-107/352, 13-14=-113/369, 14-15=-113/368, 15-16=-107/351, 16-17=-92/307, 17-18=-78/268, 2-48=-365/434, 26-28=-365/443

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-10-8 to 1-6-5, Exterior(2N) 1-6-5 to 14-11-8, Corner(3R) 14-11-8 to 19-4-5, Exterior(2N) 19-4-5 to 32-9-8 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 requires continuous bottom chord bearing.
  - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
  - 7) Gable studs spaced at 1-4-0 oc.
  - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 9) \* 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.
  - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 39, 40, 41, 42, 43, 44, 45, 46, 47, 37, 36, 35, 34, 33, 32, 31, 30, 29 except (it=lb) 48=145, 28=155.
  - 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 37, 36, 35, 34, 33, 32, 31, 30, 29.

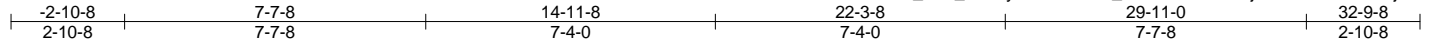
**LOAD CASE(S)** Standard



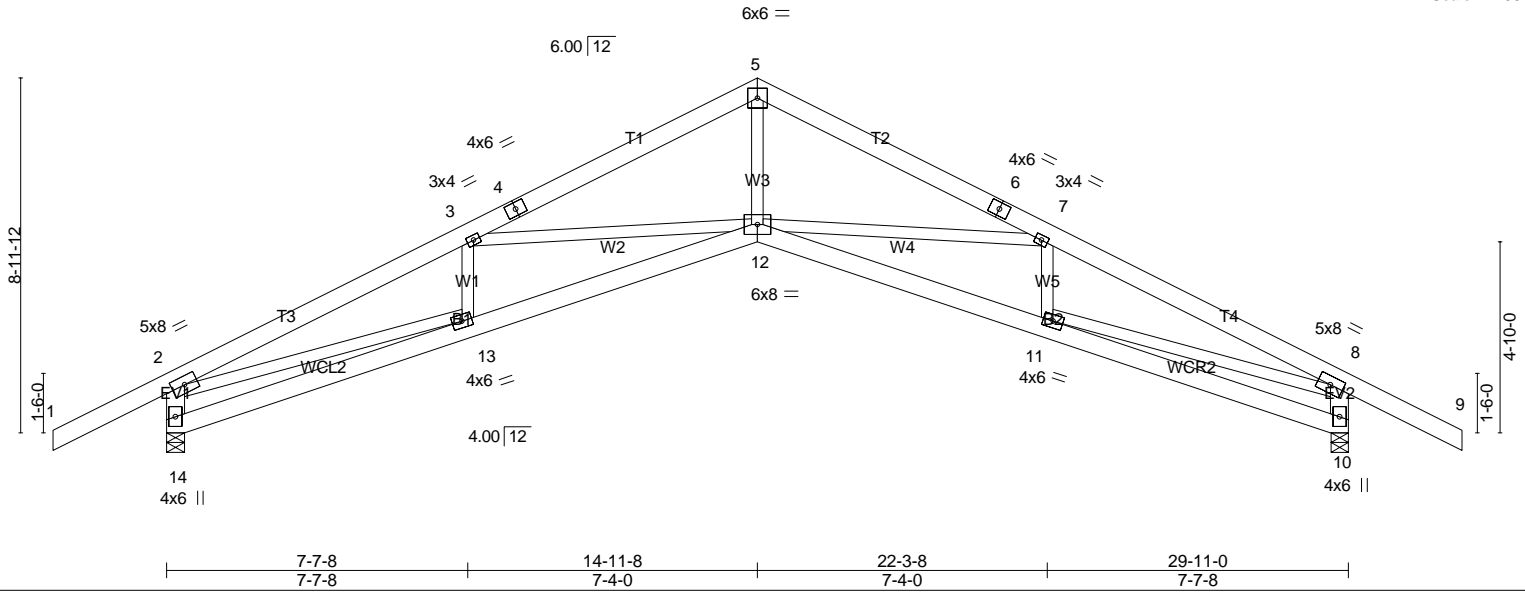
Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	B2	SCISSORS	7	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:14 2024 Page 1  
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Scale = 1:58.3



<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL 1.15	TC 0.33	Vert(LL) -0.17 11-12 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.38	Vert(CT) -0.35 11-12 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.55	Horz(CT) 0.27 10 n/a n/a		
BCDL 10.0	Code IBC2021/TPI2014	Matrix-AS	Wind(LL) 0.11 12-13 >999 240		Weight: 226 lb FT = 25%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x4 SP No.2 \*Except\*  
 EV1,EV2: 2x6 SP No.1

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied, except end verticals.  
 BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 14=1365/0-5-8 (min. 0-1-8), 10=1365/0-5-4 (min. 0-1-8)  
 Max Horz 14=158(LC 11)  
 Max Uplift 14=-113(LC 12), 10=-113(LC 13)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-15=-3028/464, 3-15=-2993/499, 3-4=-2738/333, 4-16=-2659/345, 5-16=-2649/369,  
 5-17=-2649/391, 6-17=-2659/368, 6-7=-2738/356, 7-18=-2993/442, 8-18=-3028/406,  
 2-14=-1377/416, 8-10=-1377/434  
 BOT CHORD 13-14=-91/486, 12-13=-336/2751, 11-12=-228/2751, 10-11=-5/405  
 WEBS 3-12=-401/257, 5-12=-93/1887, 7-12=-401/276, 2-13=-271/2259, 8-11=-318/2259

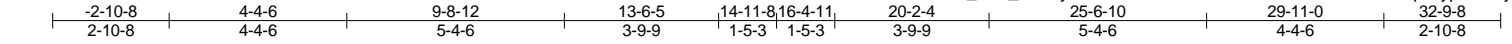
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 14-11-8, Exterior(2R) 14-11-8 to 19-4-5, Interior(1) 19-4-5 to 32-9-8 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.
  - Bearing at joint(s) 14, 10 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) except (jt=lb) 14=113, 10=113.
  - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	B3	ROOF TRUSS	6	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

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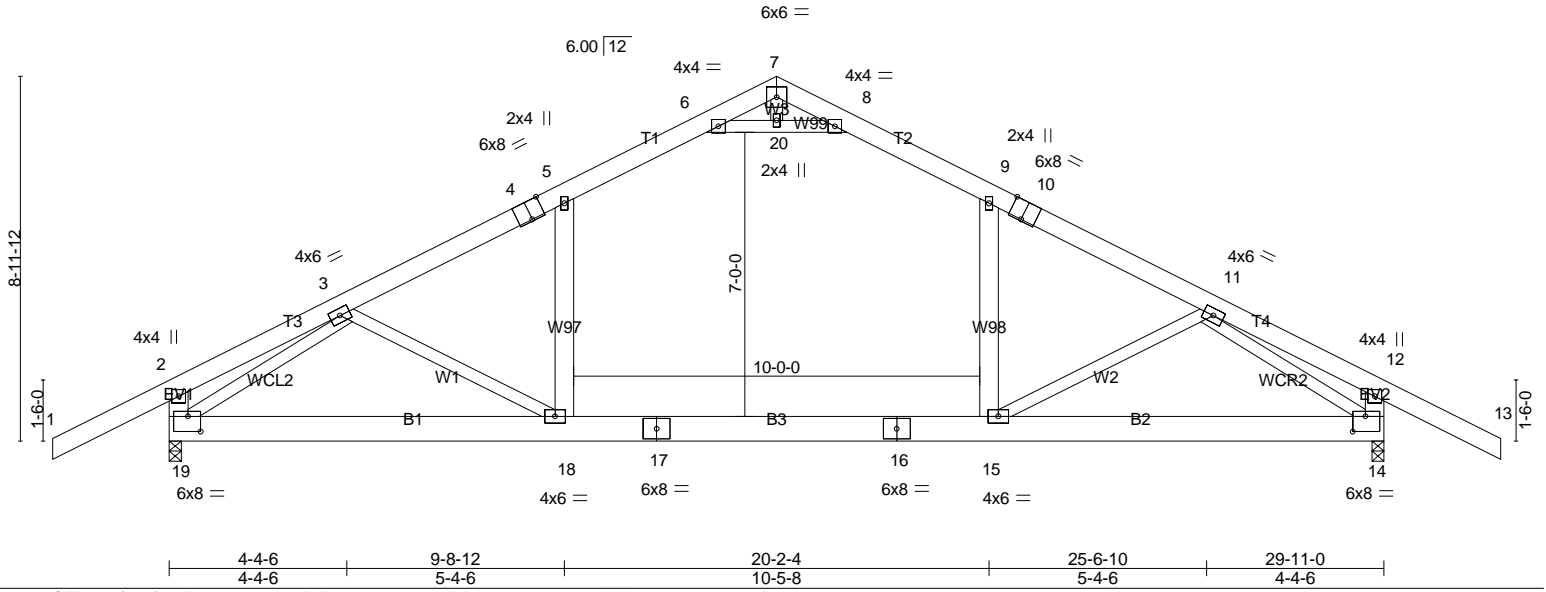


Plate Offsets (X,Y)-- [4:0-4-0,Edge], [10:0-4-0,Edge], [14:0-3-12,0-4-8], [19:0-3-12,0-4-8]

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 0.84	Vert(LL)	-0.29 15-18	>999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.45	Vert(CT)	-0.45 15-18	>794	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.03 14	n/a	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-AS	Wind(LL)	0.13 18	>999	240		
								Weight: 252 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except*	
W99: 2x4 SP No.1, W97,W98,EV1,EV2: 2x6 SP No.1	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 14=1365/0-3-8 (min. 0-1-14), 19=1365/0-3-8 (min. 0-1-14)  
 Max Horz 19=-153(LC 10)  
 Max Uplift 14=-113(LC 13), 19=-113(LC 12)  
 Max Grav 14=1564(LC 2), 19=1564(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-21=-298/46, 3-4=-1840/313, 4-5=-1729/322, 5-22=-1466/362, 6-22=-1397/379,  
 6-7=-70/942, 7-8=-70/942, 8-23=-1397/379, 9-23=-1466/362, 9-10=-1729/322,  
 10-11=-1840/313, 12-24=-298/46, 2-19=-376/226, 12-14=-376/226  
 BOT CHORD 18-19=-189/1670, 17-18=-60/1541, 16-17=-60/1541, 15-16=-60/1541, 14-15=-148/1594  
 WEBS 6-20=-2625/483, 8-20=-2625/483, 5-18=0/652, 9-15=0/652, 3-19=-1755/438,  
 11-14=-1755/438

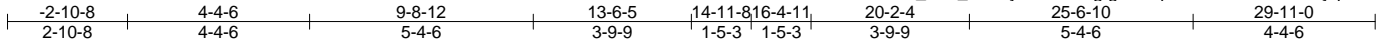
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 14-11-8, Exterior(2R) 14-11-8 to 19-4-5, Interior(1) 19-4-5 to 32-9-8 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, 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=113, 19=113.
  - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	B4	ROOF TRUSS	4	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:16 2024 Page 1  
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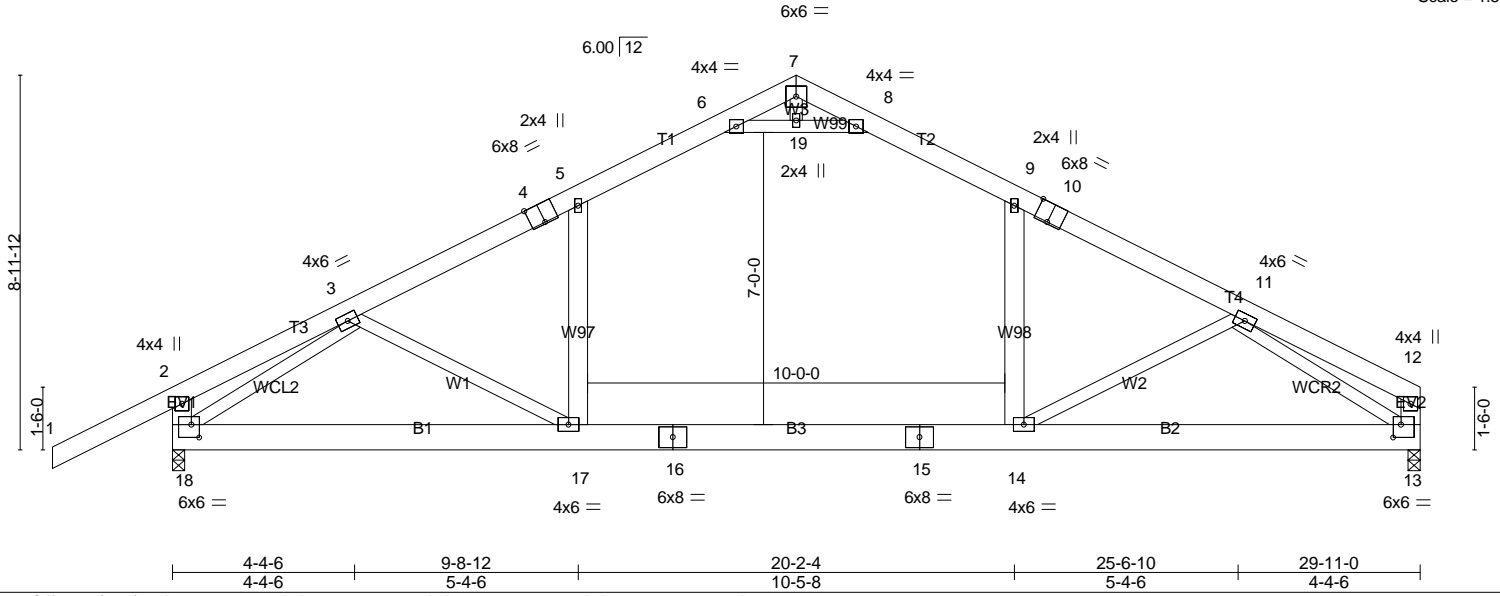


Plate Offsets (X,Y)-- [4:0-4-0,Edge], [10:0-4-0,Edge], [13:0-2-4,0-3-12], [18:0-2-4,0-3-12]

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 0.45	Vert(LL) -0.29 14-17 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.75	Vert(CT) -0.45 14-17 >787 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.03 13 n/a n/a		
	Code IBC2021/TPI2014		Wind(LL) 0.14 14 >999 240		
				Weight: 244 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2 *Except*	
W99: 2x4 SP No.1, W97,W98,EV1,EV2: 2x6 SP No.1	

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 13=1169/0-3-8 (min. 0-1-10), 18=1374/0-3-8 (min. 0-1-14)  
 Max Horz 18=159(LC 11)  
 Max Uplift 13=-69(LC 13), 18=-114(LC 12)  
 Max Grav 13=1401(LC 2), 18=1572(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-20=-295/41, 3-4=-1859/318, 4-5=-1749/328, 5-21=-1483/367, 6-21=-1415/384,  
 6-7=-89/954, 7-8=-74/957, 8-22=-1412/400, 9-22=-1480/384, 9-10=-1754/360,  
 10-23=-1856/352, 11-23=-1865/333, 11-12=-422/97, 2-18=-376/226  
 BOT CHORD 17-18=-312/1661, 16-17=-191/1536, 15-16=-191/1536, 14-15=-191/1536, 13-14=-331/1670  
 WEBS 6-19=-2659/534, 8-19=-2659/534, 5-17=0/654, 9-14=0/662, 11-14=-298/174, 7-19=-48/250,  
 3-18=-1774/444, 11-13=-1687/375

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-16; 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(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 14-11-8, Exterior(2R) 14-11-8 to 19-4-5, Interior(1) 19-4-5 to 29-8-4 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, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 18=114.
  - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	C1-GE	GABLE	3	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

Run: 8.630 s Jul 12 2024 Print: 8.630 s Jul 12 2024 MiTek Industries, Inc. Tue Aug 20 15:10:17 2024 Page 1  
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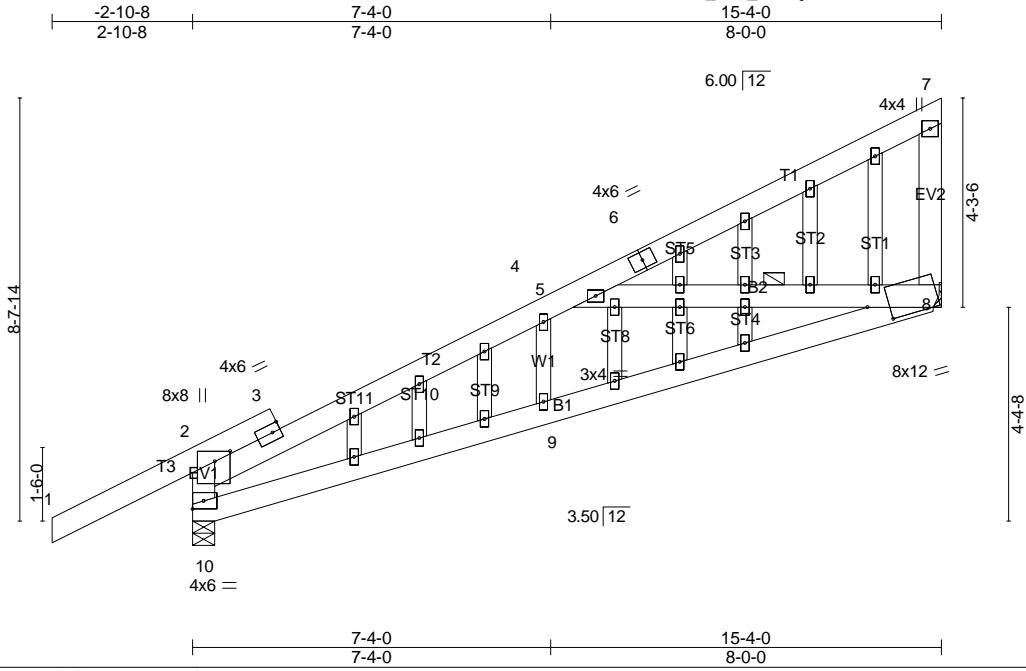


Plate Offsets (X,Y)-- [2:0-2-8,0-3-12], [8:0-5-4,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	Vert(LL)	-0.05	8-9	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.33	Vert(CT)	-0.13	8-9	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Horz(CT)	0.01	8	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Wind(LL)	0.04	29	>999	240		
	Code IBC2021/TPI2014							Weight: 139 lb	FT = 25%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x6 SP No.1 \*Except\*  
 W1: 2x4 SP No.2  
 OTHERS 2x4 SP No.2

**BRACING-**

TOP CHORD Structural wood sheathing directly applied, except end verticals.  
 BOT CHORD Rigid ceiling directly applied. Except:  
 6-0-0 oc bracing: 5-8

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 8=686/Mechanical, 10=837/0-5-8 (min. 0-1-8)  
 Max Horz 10=266(LC 9)  
 Max Uplift8=-37(LC 12), 10=-46(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-30=-1167/183, 3-30=-1152/184, 3-4=-1246/255, 4-5=-1076/309, 2-10=-1012/494  
 BOT CHORD 9-10=-597/1087, 8-9=-606/1111, 5-8=-927/474

**NOTES-**

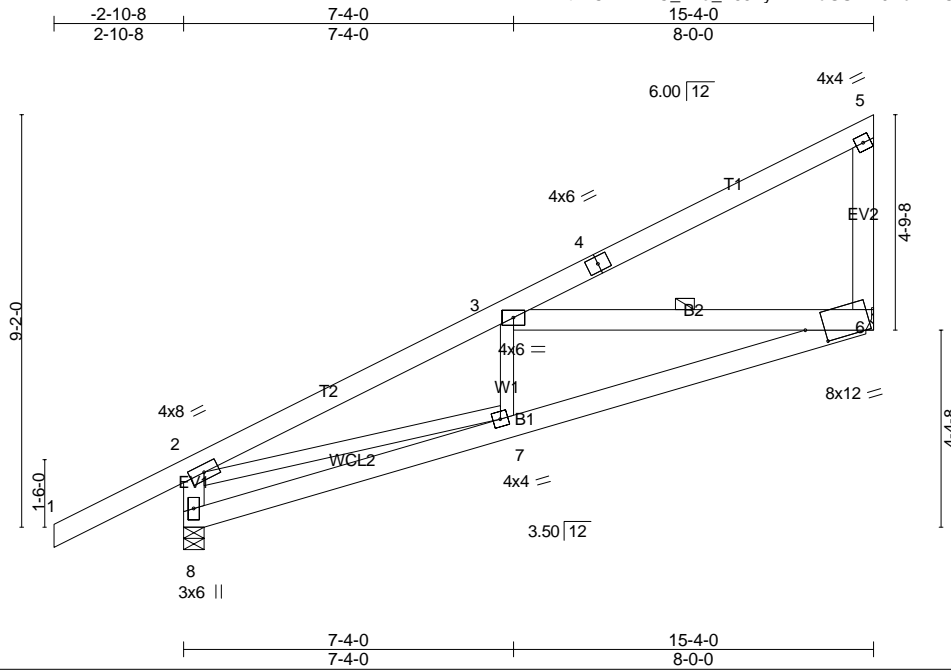
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 15-1-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable studs spaced at 1-4-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* 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.
- 7) Refer to girder(s) for truss connections.
- 8) Bearing at joint(s) 10 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) 8, 10.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	C2	Monopitch	41	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

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Scale = 1:51.2

Plate Offsets (X,Y)-- [6:0-5-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL) -0.04	3-6	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.23	Vert(CT) -0.08	3-6	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.22	Horz(CT) 0.01	6	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Wind(LL) 0.02	3-6	>999	240		
	Code IBC2021/TPI2014						Weight: 128 lb	FT = 25%

**LUMBER-**

TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1  
 WEBS 2x6 SP No.1 \*Except\*  
 W1,WCL2: 2x4 SP No.2

**BRACING-**

TOP CHORD Structural wood sheathing directly applied, except end verticals.  
 BOT CHORD Rigid ceiling directly applied. Except:  
 6-0-0 oc bracing: 3-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 6=692/Mechanical, 8=843/0-5-8 (min. 0-1-8)  
 Max Horz 8=285(LC 9)  
 Max Uplift 6=-38(LC 12), 8=-38(LC 12)

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

TOP CHORD 2-9=-1218/210, 3-9=-1050/243, 2-8=-797/442  
 BOT CHORD 7-8=-581/518, 6-7=-586/1080, 3-6=-923/450  
 WEBS 2-7=-162/897

**NOTES-**

- 1) Wind: ASCE 7-16; 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(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 15-1-4 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
- 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 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.
- 4) Refer to girder(s) for truss to truss connections.
- 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) 6, 8.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

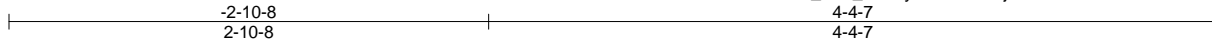
**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	Y1	JACK-OPEN	2	1	

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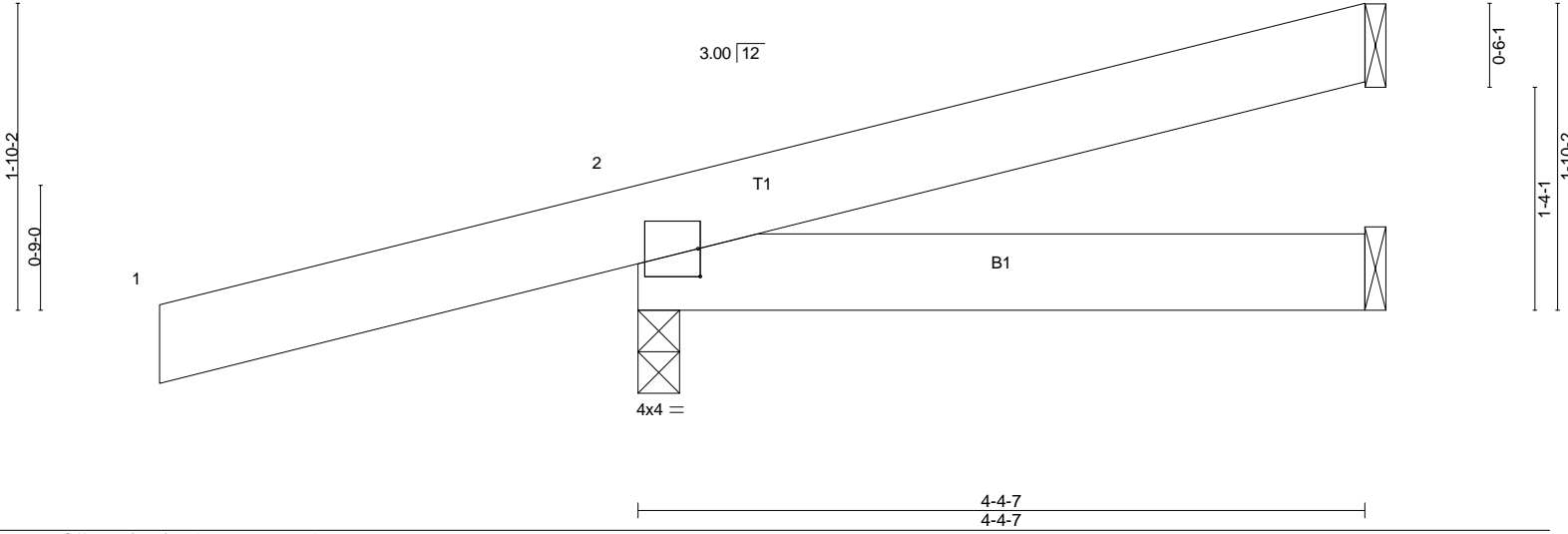


Plate Offsets (X,Y)-- [2:0-0-3,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL) -0.00	4-7	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.10	Vert(CT) -0.01	4-7	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Wind(LL) 0.01	4-7	>999	240		
	Code IBC2021/TPI2014						Weight: 28 lb	FT = 25%

**LUMBER-**  
 TOP CHORD 2x6 SP No.1  
 BOT CHORD 2x6 SP No.1

**BRACING-**  
 TOP CHORD Structural wood sheathing directly applied.  
 BOT CHORD Rigid ceiling directly applied.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 3=86/Mechanical, 2=402/0-3-0 (min. 0-1-8), 4=29/Mechanical  
 Max Horz 2=70(LC 8)  
 Max Uplift 3=-30(LC 12), 2=-199(LC 8), 4=-22(LC 9)  
 Max Grav 3=86(LC 1), 2=402(LC 1), 4=69(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-16; 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(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 4-3-11 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; 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 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.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=199.
  - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

**LOAD CASE(S)** Standard

Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	Y2	JACK-OPEN	2	1	

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

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-2-10-8  
2-10-8

2-4-7  
2-4-7

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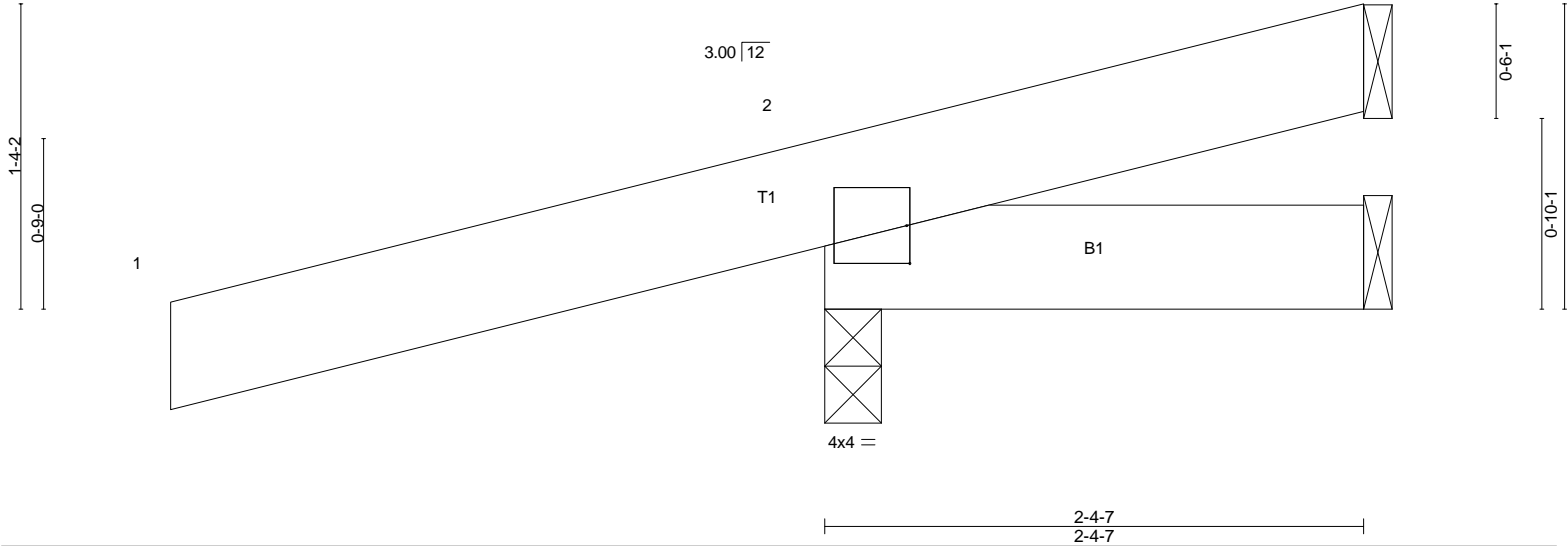


Plate Offsets (X,Y)-- [2:0-0,3,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	Vert(LL) 0.00	7	>999	360	MT20	244/190	
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(CT) 0.00	7	>999	240			
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT) -0.00	2	n/a	n/a			
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Wind(LL) -0.00	7	>999	240			
	Code IBC2021/TPI2014								
									Weight: 18 lb FT = 25%

**LUMBER-**  
TOP CHORD 2x6 SP No.1  
BOT CHORD 2x6 SP No.1

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 2-4-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 3=8/Mechanical, 2=372/0-3-0 (min. 0-1-8), 4=-23/Mechanical  
Max Horz 2=53(LC 8)  
Max Uplift 3=11(LC 9), 2=-201(LC 8), 4=-23(LC 1)  
Max Grav 3=11(LC 22), 2=372(LC 1), 4=23(LC 16)

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

- NOTES-**
- 1) Wind: ASCE 7-16; 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(2E) -2-10-8 to 1-6-5, Interior(1) 1-6-5 to 2-3-11 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; 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 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.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=201.

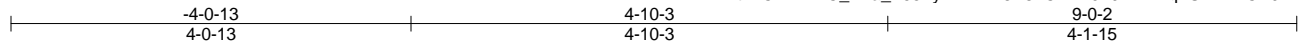
**LOAD CASE(S)** Standard



Job	Truss	Truss Type	Qty	Ply	Daigle Residence
J0524-3238	Z1	ROOF SPECIAL GIRDER	1	1	Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, Anthony Williams

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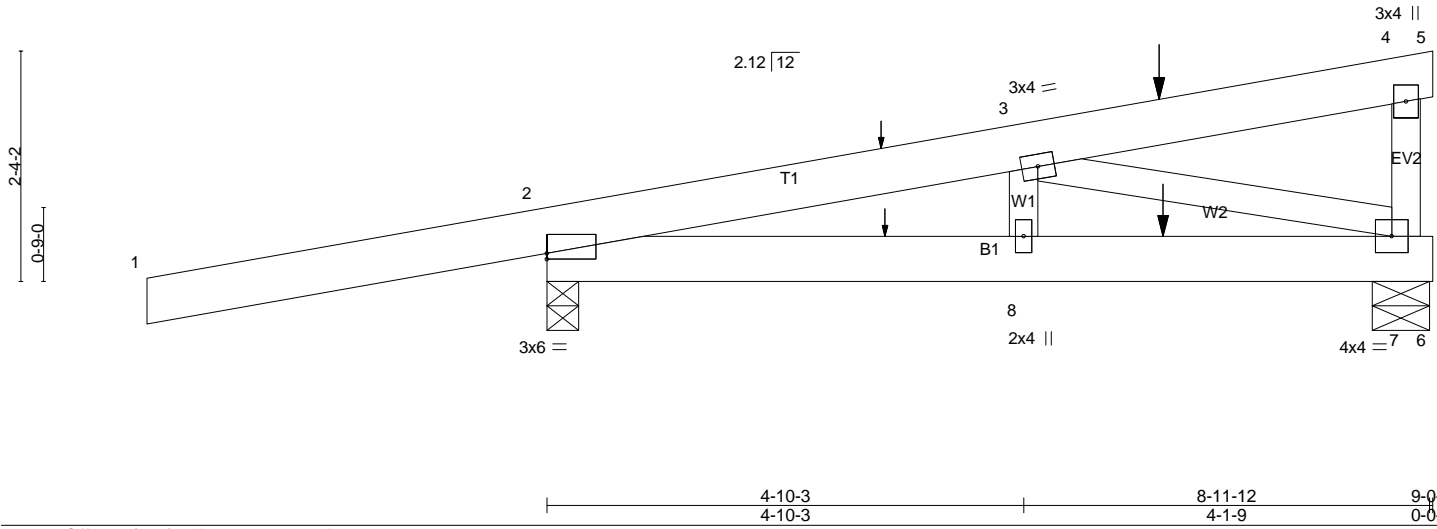


Plate Offsets (X,Y)-- [2:0-0-0,0-0-11]		4-10-3	8-11-12	9-0-2
		4-10-3	4-1-9	0-0-6
<b>LOADING</b> (psf)	<b>SPACING-</b>	<b>CSI.</b>	<b>DEFL.</b>	<b>PLATES GRIP</b>
TCLL 20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20 244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.17	Vert(LL) 0.01 8 >999 240	
BCLL 0.0 *	Lumber DOL 1.15	WB 0.13	Vert(CT) -0.02 8 >999 240	
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.00 7 n/a n/a	
	Code IBC2021/TPI2014			Weight: 61 lb FT = 25%

**LUMBER-**  
 TOP CHORD 2x6 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, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS.** (lb/size) 7=314/0-7-0 (min. 0-1-8), 2=654/0-3-14 (min. 0-1-8)  
 Max Horz 2=86(LC 25)  
 Max Uplift 7=-121(LC 4), 2=-317(LC 4)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-12=-544/118, 3-12=-511/124  
 BOT CHORD 2-14=-151/498, 8-14=-151/498, 8-15=-151/498, 7-15=-151/498  
 WEBS 3-7=-486/143

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); porch left exposed; 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 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.
  - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=121, 2=317.
  - 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 16 lb up at 3-5-4, 63 lb down and 16 lb up at 3-5-4, and 39 lb down and 40 lb up at 6-3-3, and 39 lb down and 40 lb up at 6-3-3 on top chord, and 52 lb down and 28 lb up at 3-5-4, 52 lb down and 28 lb up at 3-5-4, and 52 lb down and 41 lb up at 6-3-3, and 52 lb down and 41 lb up at 6-3-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
 Uniform Loads (plf)  
 Vert: 1-4=-60, 4-5=-20, 6-9=-20  
 Concentrated Loads (lb)  
 Vert: 13=-11(F=-5, B=-5) 15=-3(F=-2, B=-2)