

Trenco 818 Soundside Rd Edenton, NC 27932

Re: J1124-5980

Lot 158 Duncan's Creek

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: I69377133 thru I69377159

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

North Carolina COA: C-0844



November 6,2024

Galinski, John

**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 Lot 158 Duncan's Creek 169377133 J1124-5980 COMMON Α1 Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:51 2024 Page 1

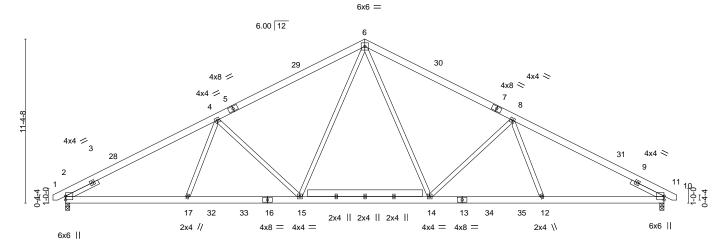
10-2-12

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 41-6-0 42-4-8 0-10-8 30-11-12 10-2-12 10-6-4

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

Scale = 1:79.9



	8-5-11	16-3-0		25-3-0	33-0-5	-	41-6-0	-
	8-5-11	7-9-5	<u> </u>	9-0-0	7-9-5		8-5-11	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.32	Vert(LL) -0.1	12 12-14 >999	360	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.42	Vert(CT) -0.2	23 12-14 >999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.78	Horz(CT) 0.0	08 10 n/a	n/a		
BCDL 10.0	Code IRC2015/TPI	2014	Matrix-AS	Wind(LL) 0.0	06 15 >999	240	Weight: 311 lb	FT = 20%

**BRACING-**

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

**WEBS** 

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

2x4 SP No.2 \*Except\*

18-19: 2x6 SP No.1

-0-10-8 0-10-8

10-6-4

SLIDER Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

REACTIONS. (size) 2=0-3-8, 10=0-3-8

Max Horz 2=-140(LC 10)

Max Uplift 2=-109(LC 12), 10=-109(LC 13) Max Grav 2=1703(LC 1), 10=1703(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-2741/569, 4-6=-2231/590, 6-8=-2231/590, 8-10=-2741/569

**BOT CHORD**  $2-17 = -346/2353, \ 15-17 = -373/2314, \ 14-15 = -129/1610, \ 12-14 = -381/2314, \ 10-12 = -349/2353$ **WEBS** 6-14=-115/713, 8-14=-675/296, 8-12=0/278, 6-15=-115/713, 4-15=-675/296, 4-17=0/278

### 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) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 20-9-0, Exterior(2) 20-9-0 to 25-1-13, Interior(1) 25-1-13 to 42-2-10 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.
- \* 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) except (jt=lb) 2=109, 10=109.
- 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.



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Job Truss Truss Type Qty Lot 158 Duncan's Creek 169377134 J1124-5980 A1GE **GABLE** Job Reference (optional)

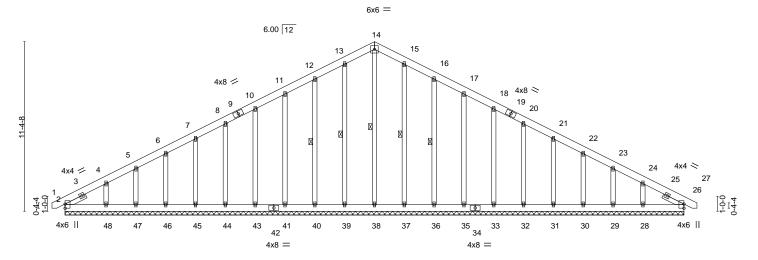
Comtech, Inc, Fayetteville, NC - 28314,

-0<u>-10-8</u> 0-10-8

8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:52 2024 Page 1

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 20-9-0

Scale = 1:77.3



		41-6	6-0	· · · · · · · · · · · · · · · · · · ·
LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.15	<b>CSI.</b> TC 0.06	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         0.00         26         n/r         120	PLATES GRIP MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) 0.00 26 n/r 120	
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IRC2015/TPI2014	WB 0.13 Matrix-S	Horz(CT) 0.01 26 n/a n/a	Weight: 377 lb FT = 20%

41-6-0

BRACING-LUMBER-

20-9-0

TOP CHORD 2x6 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. 2x4 SP No.2 **OTHERS WEBS** 1 Row at midpt 14-38, 13-39, 12-40, 15-37, 16-36 **SLIDER** Left 2x4 SP No.2 1-6-4, Right 2x4 SP No.2 1-6-4

REACTIONS. All bearings 41-6-0.

Max Horz 2=217(LC 16) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 39, 40, 41, 43, 44, 45, 46, 47, 37, 36, 35, 33, 32, 31, 30,

29 except 48=-169(LC 12), 28=-148(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 2, 26, 38, 39, 40, 41, 43, 44, 45, 46, 47, 48, 37, 36, 35,

33, 32, 31, 30, 29, 28

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

TOP CHORD 2-4=-295/98, 11-12=-116/272, 12-13=-139/335, 13-14=-150/372, 14-15=-150/372,

15-16=-139/335, 16-17=-116/272

### 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) 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.
- 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.
- \* 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) 2, 39, 40, 41, 43, 44, 45, 46, 47, 37, 36, 35, 33, 32, 31, 30, 29 except (jt=lb) 48=169, 28=148.



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Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377135 J1124-5980 A2 COMMON 10 Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:52 2024 Page 1

10-2-12

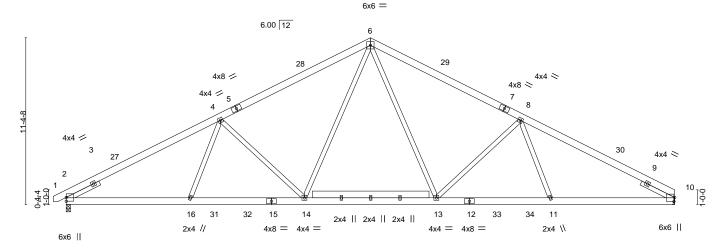
ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 41-6-0 30-11-12 10-2-12 10-6-4

33-0-5

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

Scale = 1:78.6



	8-5-11	7-9-5	9-0-0 7-9-5	8-5-11
Plate Offsets (X,Y)	[10:0-3-6,0-0-9]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.32	Vert(LL) -0.12 14-16 >999 360	MT20 244/190
TCDL 10.0 BCLL 0.0 *	Lumber DOL 1.15 Rep Stress Incr YES	BC 0.42 WB 0.78	Vert(CT) -0.23 14-16 >999 240 Horz(CT) 0.08 10 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.06 14 >999 240	Weight: 309 lb FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

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

-0-10<sub>7</sub>8 0-10-8

10-6-4

17-18: 2x6 SP No.1

SLIDER Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

REACTIONS. (size) 2=0-3-8, 10=Mechanical

Max Horz 2=141(LC 9)

Max Uplift 2=-109(LC 12), 10=-99(LC 13) Max Grav 2=1703(LC 1), 10=1660(LC 1)

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

TOP CHORD 2-4=-2741/569, 4-6=-2232/590, 6-8=-2233/596, 8-10=-2744/580

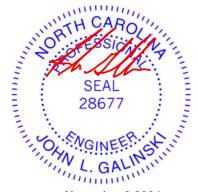
**BOT CHORD** 2-16=-363/2354, 14-16=-395/2315, 13-14=-142/1611, 11-13=-394/2317, 10-11=-368/2356 6-13=-116/714, 8-13=-677/298, 8-11=0/279, 6-14=-116/713, 4-14=-675/296, 4-16=0/278 **WEBS** 

### 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) -0-8-10 to 3-8-3, Interior(1) 3-8-3 to 20-9-0, Exterior(2) 20-9-0 to 25-1-13, Interior(1) 25-1-13 to 41-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

16-3-0

- 3) 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb)
- 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.



41-6-0

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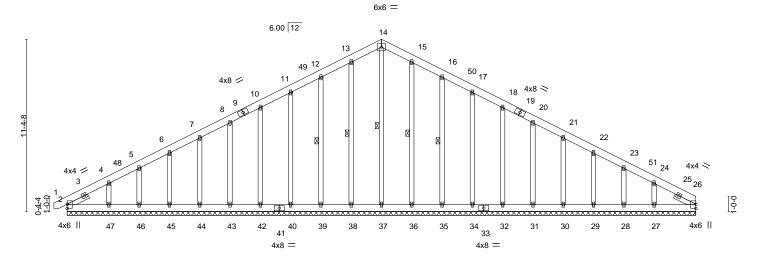


Job Truss Truss Type Qty Lot 158 Duncan's Creek 169377136 J1124-5980 A3GE **GABLE** Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:53 2024 Page 1

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

-0-10-8 0-10-8 20-9-0 20-9-0

Scale = 1:76.1



41-6-0										
LOADING (psf)	SPACING- 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) I/defl L/d	PLATES         GRIP           MT20         244/190						
TCLL 20.0	Plate Grip DOL 1.15	TC 0.07	Vert(LL) -0.00 1 n/r 120							
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) 0.00 1 n/r 120							
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.01 26 n/a n/a							
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	` ,	Weight: 375 lb FT = 20%						

41-6-0

LUMBER-TOP CHORD 2x6 SP No.1

BOT CHORD 2x6 SP No.1 2x4 SP No.2 **OTHERS** 

**SLIDER** Left 2x4 SP No.2 1-6-4, Right 2x4 SP No.2 1-6-4 BRACING-

TOP CHORD BOT CHORD **WEBS** 

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

1 Row at midpt 14-37, 13-38, 12-39, 15-36, 16-35

REACTIONS. All bearings 41-6-0.

(lb) -Max Horz 2=-146(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 2, 38, 39, 40, 42, 43, 44, 45, 46, 47, 36, 35, 34, 32, 31, 30,

29, 28, 27

Max Grav All reactions 250 lb or less at joint(s) 2, 26, 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 36, 35, 34,

32, 31, 30, 29, 28, 27

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

TOP CHORD 10-11=-96/272, 11-12=-116/331, 12-13=-139/395, 13-14=-149/428, 14-15=-149/435,

15-16=-139/402, 16-17=-116/338, 17-18=-96/280

4-47=-149/262, 24-27=-156/286 **WEBS** 

### 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 Corner(3) -0-8-10 to 3-8-3, Exterior(2) 3-8-3 to 20-9-0, Corner(3) 20-9-0 to 25-1-13, Exterior(2) 25-1-13 to 41-6-0 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) 2, 38, 39, 40, 42, 43, 44, 45, 46, 47, 36, 35, 34, 32, 31, 30, 29, 28, 27.



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Job	Truss	Truss Type	Qty	Ply	Lot 158 Duncan's Creek
J1124-5980	B1GE	COMMON STRUCTURAL GA	1	1	169377137
31124-3900	BIGL	COMMON STRUCTURAL GA	'	'	Job Reference (optional)

Fayetteville, NC - 28314, Comtech, Inc.

8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:54 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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

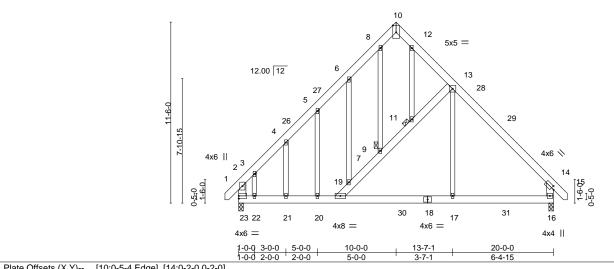
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Brace at Jt(s): 11, 9



Scale = 1:73.2



Tiale Offsets (X, I)	Trate Offsets (A, 1)== [10.0-0-4, Edge], [14.0-2-0,0-2-0]										
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP							
TCLL 20.0	Plate Grip DOL 1.15	TC 0.36	Vert(LL) -0.07 19-20 >999 360	MT20 244/190							
TCDL 10.0	Lumber DOL 1.15	BC 0.30	Vert(CT) -0.13 19-20 >999 240	M18AHS 186/179							
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.01 16 n/a n/a								
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MR	Wind(LL) 0.10 20-21 >999 240	Weight: 201 lb FT = 20%							

BRACING-

TOP CHORD

**BOT CHORD** 

**JOINTS** 

LUMBER-

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

2x4 SP No.2 \*Except\* 2-23,14-16: 2x6 SP No.1

REACTIONS. (size) 16=0-3-8, 23=0-3-8

Max Horz 23=258(LC 11) Max Uplift 16=-34(LC 12), 23=-34(LC 13) Max Grav 16=955(LC 19), 23=846(LC 20)

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

TOP CHORD 2-3=-798/16, 3-4=-743/78, 4-5=-682/163, 5-6=-656/249, 6-8=-659/323, 8-10=-406/223,

10-12=-491/266, 12-13=-713/358, 13-14=-954/204, 7-9=-174/252, 9-11=-262/170,

11-13=-369/142, 2-23=-706/117, 14-16=-841/278

22-23=-55/549, 21-22=-55/549, 20-21=-54/549, 19-20=-54/548, 17-19=0/573, **BOT CHORD** 

16-17=0/573

**WEBS** 11-12=-143/261, 8-9=-154/317, 13-17=0/414

### 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) -0-9-2 to 3-7-11, Interior(1) 3-7-11 to 10-0-0, Exterior(2) 10-0-0 to 14-4-13, Interior(1) 14-4-13 to 20-9-2 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 23.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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JobTrussTruss TypeQtyPlyLot 158 Duncan's CreekJ1124-5980B2GRDCommon Girder12
Job Reference (optional)

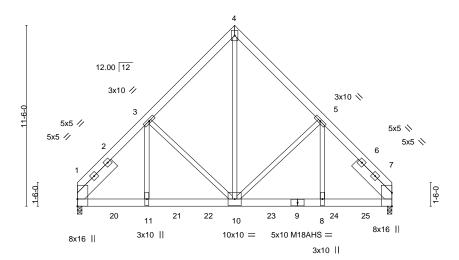
Comtech, Inc, Fayetteville, NC - 28314,

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5x8 || Scale = 1:73.3

Structural wood sheathing directly applied or 4-2-0 oc purlins.

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



15-7-0

BRACING-

TOP CHORD

BOT CHORD

20-0-0

4-5-0 4-5-0 LOADING (psf) SPACING-CSI. DEFL. **PLATES GRIP** 2-0-0 (loc) I/defl L/d 20.0 -0.12 10-11 244/190 **TCLL** Plate Grip DOL 1.15 TC 0.76 Vert(LL) >999 360 MT20 186/179 TCDL 10.0 Lumber DOL 1.15 ВС 0.71 Vert(CT) -0.25 10-11 >974 240 M18AHS **BCLL** 0.0 Rep Stress Incr NO WB 0.99 Horz(CT) 0.06 n/a n/a **BCDL** 10.0 Code IRC2015/TPI2014 Matrix-MS Wind(LL) 0.09 10-11 >999 240 Weight: 374 lb FT = 20%

10-0-0

LUMBER-

TOP CHORD 2x6 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.2

SLIDER Left 2x8 SP No.1 3-3-9, Right 2x8 SP No.1 3-3-9

REACTIONS.

(size) 1=0-3-8, 7=0-3-8 Max Horz 1=-240(LC 23)

Max Uplift 1=-521(LC 9), 7=-541(LC 8) Max Grav 1=8032(LC 1), 7=8325(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-3=-8804/626, 3-4=-6203/543, 4-5=-6209/543, 5-7=-8736/621 BOT CHORD 1-11=-460/5789, 10-11=-460/5789, 8-10=-359/5770, 7-8=-359/5770

WEBS 4-10=-621/8073, 5-10=-1918/300, 5-8=-189/3383, 3-10=-1945/302, 3-11=-195/3487

### 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 0-5-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

4-5-0

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

4) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60

5) All plates are MT20 plates unless otherwise indicated.

- 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) 1=521.7=541.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1640 lb down and 119 lb up at 2-2-12, 1640 lb down and 119 lb up at 4-2-12, 1640 lb down and 119 lb up at 6-2-12, 1640 lb down and 119 lb up at 8-2-12, 1640 lb down and 119 lb up at 10-2-12, 1640 lb down and 119 lb up at 10-2-12, 1640 lb down and 119 lb up at 10-2-12, and 1640 lb down and 119 lb up at 16-2-12, and 1640 lb down and 119 lb up at 18-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

### LOAD CASE(S) Standard

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



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### Continued on page 2



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 chort 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 ANS/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)



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377138 J1124-5980 B2GRD Common Girder

Comtech, Inc, Fayetteville, NC - 28314, Job Reference (optional)

8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:55 2024 Page 2
ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

LOAD CASE(S) Standard

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 12-16=-20 Concentrated Loads (lb)

Vert: 9=-1640(B) 10=-1640(B) 11=-1640(B) 20=-1640(B) 21=-1640(B) 22=-1640(B) 23=-1640(B) 24=-1640(B) 25=-1640(B)



818 Soundside Road Edenton, NC 27932

Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377139 J1124-5980 C1GE **GABLE** Job Reference (optional)

Fayetteville, NC - 28314, Comtech, Inc.

8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:55 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

-0-10-8 0-10-8 6-3-0 6-3-0 12-6-0 6-3-0

> Scale: 1/4"=1 4x6 =

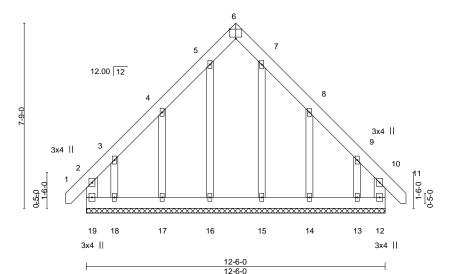


Plate Offsets (X,Y)	[6:0-3-0,Edge]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.07	Vert(LL) -0.00 10 n/r 120	MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.06	Vert(CT) -0.00 10 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.08	Horz(CT) 0.00 12 n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-R		Weight: 115 lb FT = 20%

LUMBER-**BRACING-**

TOP CHORD 2x6 SP No.1 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, BOT CHORD 2x6 SP No.1 except end verticals. **WEBS** 2x6 SP No.1 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-6-0.

2x4 SP No.2

Max Horz 19=-210(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) except 19=-174(LC 10), 12=-148(LC 11), 17=-160(LC 12),

18=-336(LC 12), 14=-162(LC 13), 13=-325(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 16, 17, 15, 14, 13 except 19=309(LC 12), 12=291(LC 13),

18=253(LC 10)

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

**OTHERS** 

- 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) 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 2-0-0 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 174 lb uplift at joint 19, 148 lb uplift at joint 12, 160 lb uplift at joint 17, 336 lb uplift at joint 18, 162 lb uplift at joint 14 and 325 lb uplift at joint 13.



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Job Truss Truss Type Qty Lot 158 Duncan's Creek 169377140 J1124-5980 D1 MONOPITCH Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:56 2024 Page 1  $ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff$ 5-6-0 0-10-8 5-6-0 Scale = 1:15.2 3x4\_H 4.00 12 2-0-0 0-8-0 4 Plate Offsets (X,Y)--[3:Edge,0-2-0], [4:Edge,0-2-0] **PLATES** LOADING (psf) SPACING-CSI. DEFL. in (loc) I/defI L/d GRIP TCLL 20.0 Plate Grip DOL 1.15 TC 0.23 Vert(LL) 0.04 4-7 >999 240 244/190 MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.17 Vert(CT) -0.03 >999 240 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 -0.01 Horz(CT) n/a n/a Code IRC2015/TPI2014 FT = 20% **BCDL** 10.0 Weight: 25 lb Matrix-AS **BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

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

REACTIONS. (size) 2=0-3-0, 4=0-1-8 Max Horz 2=72(LC 8)

Max Uplift 2=-104(LC 8), 4=-93(LC 8) Max Grav 2=271(LC 1), 4=210(LC 1)

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

### NOTES-

- 1) 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 5-4-4 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 2 and 93 lb uplift at ioint 4.
- 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.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

November 6,2024



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/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)



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377141 J1124-5980 D1GE MONOPITCH Job Reference (optional) 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:56 2024 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 5-6-0 0-10-8 1-4-4 2-0-0 2-1-12 Scale = 1:15.4 5 3x4\_H 4.00 12 2x4 || 2x4 || 0-8-0 2x4 || 2x4 || 3x4 = 3x4 II

Plate Offsets (X,Y)	[6:Edge,0-2-0]

LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING-         2-0-0           Plate Grip DOL         1.15           Lumber DOL         1.15           Rep Stress Incr         YES	CSI. TC 0.04 BC 0.01 WB 0.03	DEFL.         in (loc)         l/defl         L/d           Vert(LL)         0.00         1         n/r         120           Vert(CT)         -0.00         1         n/r         120           Horz(CT)         -0.00         2         n/a         n/a	PLATES         GRIP           MT20         244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	11012(01) -0.00 2 11/4 11/4	Weight: 27 lb FT = 20%

LUMBER-

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

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

REACTIONS. All bearings 5-4-8.

Max Horz 2=102(LC 8) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 6, 2, 8, 7 Max Grav All reactions 250 lb or less at joint(s) 6, 2, 8, 7, 2

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

### NOTES-

- 1) 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) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 2, 8, 7, 2.
- 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.



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Job Truss Truss Type Qty Lot 158 Duncan's Creek 169377142 J1124-5980 D2 MONOPITCH Job Reference (optional) 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:56 2024 Page 1 Comtech, Inc, Fayetteville, NC - 28314, ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f -0-10-8 3-2-0 0-10-8 3-2-0 Scale = 1:11.4 3 4.00 12 VERTICAL SUPPORT OF FREE END OF CHORD IS REQUIRED. 0-8-0 3x6 = Plate Offsets (X,Y)--[2:0-0-0,0-0-10] SPACING-**PLATES** LOADING (psf) CSI. DEFL. in (loc) I/defI L/d GRIP TCLL 20.0 Plate Grip DOL 1.15 TC 0.43 Vert(LL) -0.01 4-7 >999 360 244/190 MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.19 Vert(CT) -0.01 4-7 >999 240 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 n/a n/a Code IRC2015/TPI2014 FT = 20% **BCDL** 10.0 Matrix-MP Weight: 14 lb **BRACING-**TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins. BOT CHORD 2x6 SP No.1

LUMBER-

TOP CHORD 2x4 SP No.1

**BOT CHORD** 

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

REACTIONS. 2=0-5-4, 4=Mechanical (size)

Max Horz 2=45(LC 9)

Max Uplift 2=-31(LC 8), 4=-36(LC 9) Max Grav 2=173(LC 1), 4=120(LC 1)

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

### NOTES-

- 1) 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
- 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) 2, 4.



November 6,2024



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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria 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)



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377143 J1124-5980 MONOPITCH D2A 3 Job Reference (optional) 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:57 2024 Page 1 Fayetteville, NC - 28314, Comtech, Inc. ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 3-0-8 3-6-0 0-10-8 0-5-8 Scale: 1"=1 3x4 || 3 4.00 12 2 0-8-0 0-5-8 3x4 || 3x4 = 3-0-8 Plate Offsets (X,Y)--[5:Edge,0-2-0] LOADING (psf) SPACING-CSI. DEFL. in (loc) I/defI L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.15 TC 0.05 Vert(LL) -0.00 8 >999 360 244/190 MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.03 Vert(CT) -0.00 5-8 >999 240 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 2 n/a n/a Code IRC2015/TPI2014 8 FT = 20% **BCDL** 10.0 Matrix-MP Wind(LL) >999 240 0.00 Weight: 15 lb LUMBER-BRACING-2x4 SP No.1 TOP CHORD TOP CHORD Structural wood sheathing directly applied or 3-0-8 oc purlins, 2x6 SP No.1 **BOT CHORD** except end verticals. WEBS 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-5-4, 5=0-1-8 Max Horz 2=51(LC 8)

Max Uplift 2=-37(LC 8), 5=-31(LC 12) Max Grav 2=172(LC 1), 5=148(LC 1)

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

### NOTES-

- 1) 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
- 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) 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.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.



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Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377144 J1124-5980 G1 COMMON Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:57 2024 Page 1  $ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?ff$ 12-0-0 12-10-8 6-0-0 6-0-0 0-10-8 Scale: 1/2"=1 5x5 =3 5.00 12 18 4x4 = 4x4 < 2 19 5 1-0-0 7 2x4 || 3x6 || 3x6 || 12-0-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP (loc) 20.0 1.15 Vert(LL) -0.01 7-10 >999 360 244/190 **TCLL** Plate Grip DOL TC 0.10 MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.10 Vert(CT) -0.02 7-10 >999 240 **BCLL** 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 5 n/a n/a

Wind(LL)

BRACING-

TOP CHORD

BOT CHORD

0.01

7-10

>999

Rigid ceiling directly applied.

240

Structural wood sheathing directly applied.

Weight: 73 lb

FT = 20%

LUMBER-

BCDL

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

10.0

2x4 SP No.2 WEBS **SLIDER** Left 2x4 SP No.2 2-6-0, Right 2x4 SP No.2 2-6-0

REACTIONS.

(size) 1=0-3-8, 5=0-3-8 Max Horz 1=-37(LC 17)

Max Uplift 1=-29(LC 12), 5=-39(LC 13) Max Grav 1=479(LC 1), 5=523(LC 1)

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

Code IRC2015/TPI2014

TOP CHORD 1-3=-574/259. 3-5=-574/248 **BOT CHORD** 1-7=-142/530, 5-7=-142/530

### 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) 0-0-0 to 4-4-13, Interior(1) 4-4-13 to 6-0-0, Exterior(2) 6-0-0 to 10-4-13, Interior(1) 10-4-13 to 12-8-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-AS

- 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, 5.
- 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.



November 6,2024



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Job Truss Truss Type Qty Lot 158 Duncan's Creek 169377145 J1124-5980 G1GE **GABLE** Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:46:58 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 12-10-8 12-0-0 6-0-0 6-0-0 0-10-8 Scale = 1:23.6 5x5 = 5.00 12 1-0-0 13 12 3x6 || 3x6 || 4x4 =12-0-0 12-0-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP (loc)

Vert(LL)

Vert(CT)

Horz(CT)

**BRACING-**

TOP CHORD

BOT CHORD

-0.00

0.00

0.00

120

120

n/a

n/r

n/r

n/a

LUMBER-

TCLL

**TCDL** 

**BCLL** 

BCDL

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

20.0

10.0

0.0

10.0

2x4 SP No.2 **OTHERS** 

**SLIDER** Left 2x4 SP No.2 1-6-0, Right 2x4 SP No.2 1-6-0

Plate Grip DOL

Rep Stress Incr

Code IRC2015/TPI2014

Lumber DOL

REACTIONS. All bearings 12-0-0.

(lb) -Max Horz 1=66(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 13, 14, 11, 10 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 12, 13, 14, 11, 10

1.15

1.15

YES

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) gable end zone 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

TC

ВС

WB

Matrix-S

0.02

0.01

0.02

- 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.
- \* 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) 1, 7, 13, 14, 11, 10.



244/190

FT = 20%

MT20

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

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

Weight: 78 lb

November 6,2024

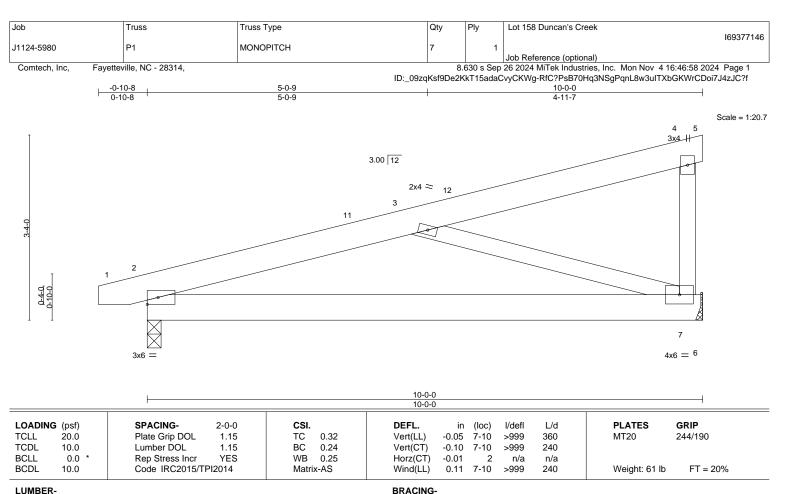


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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/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)





TOP CHORD

BOT CHORD

LUMBER-TOP CHORD BOT CHORD

REACTIONS.

2x6 SP No.1 2x6 SP No.1

WEBS 2x4 SP No.2

> 2=0-3-0, 7=Mechanical (size) Max Horz 2=88(LC 8)

Max Uplift 2=-159(LC 8), 7=-164(LC 8) Max Grav 2=426(LC 1), 7=399(LC 1)

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

TOP CHORD 2-3=-638/489 **BOT CHORD** 2-7=-581/599 WEBS 3-7=-581/523

### NOTES-

- 1) 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) -0-7-3 to 3-9-10, Interior(1) 3-9-10 to 10-0-0 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) except (jt=lb) 2=159, 7=164
- 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.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

November 6,2024

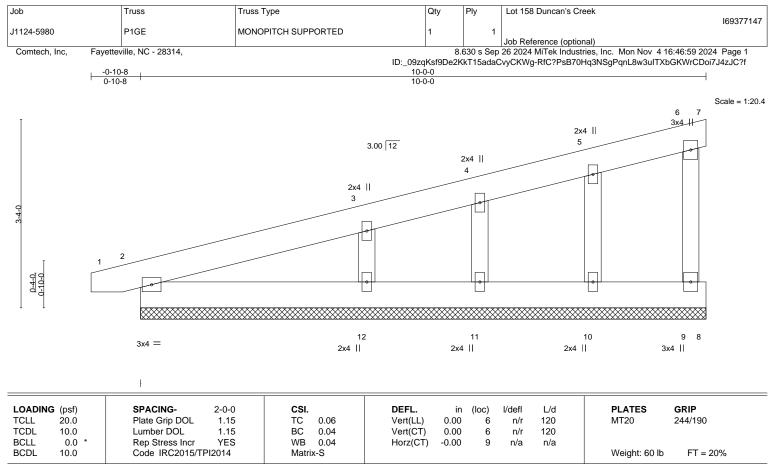


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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/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)





BRACING-

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

WEBS 2x4 SP No.2 **OTHERS** 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-0-0.

(lb) -Max Horz 2=125(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 9, 2, 10, 11 except 12=-114(LC 12) Max Grav All reactions 250 lb or less at joint(s) 9, 2, 10, 11 except 12=318(LC 1)

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

### NOTES-

LUMBER-

- 1) 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) zone; 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) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2, 10, 11 except (jt=lb) 12=114.



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Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377148 J1124-5980 VB1 VALLEY Job Reference (optional)

Fayetteville, NC - 28314, Comtech, Inc.

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ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 9-7-0 9-7-0 19-2-0 9-7-0

> Scale = 1:58.9 4x4 =

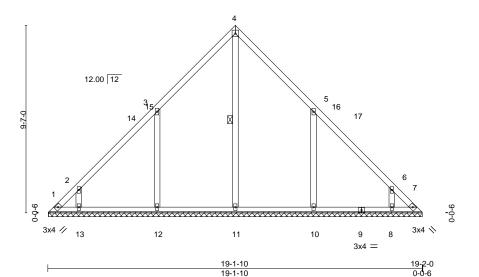


Plate Off	Plate Offsets (X,Y) [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]											
LOADIN	G (psf)		2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2	2014	Matri	x-S						Weight: 99 lb	FT = 20%

LUMBER-

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

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

**WEBS** 1 Row at midpt 4-11

REACTIONS. All bearings 19-1-4.

(lb) -Max Horz 1=221(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) except 1=-138(LC 10), 7=-102(LC 11), 12=-185(LC 12),

13=-132(LC 12), 10=-184(LC 13), 8=-133(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=433(LC 22), 12=490(LC 19), 13=280(LC 19),

10=490(LC 20), 8=281(LC 20)

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

TOP CHORD 1-2=-270/232, 6-7=-268/232

**WEBS** 3-12=-406/309, 2-13=-311/265, 5-10=-406/309, 6-8=-311/265

### 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 4-9-0, Interior(1) 4-9-0 to 9-7-0, Exterior(2) 9-7-0 to 13-11-13, Interior(1) 13-11-13 to 18-9-12 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.
- Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 1, 102 lb uplift at joint 7, 185 lb uplift at joint 12, 132 lb uplift at joint 13, 184 lb uplift at joint 10 and 133 lb uplift at joint 8.



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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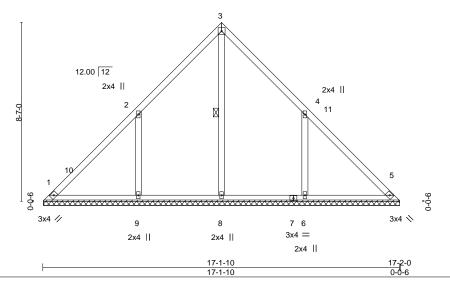


Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377149 J1124-5980 VB2 VALLEY Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:00 2024 Page 1

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 8-7-0 8-7-0 17-2-0 8-7-0

> Scale = 1:55.3 4x4 =



_Plate Oils	seis (X,Y)	[4:0-0-0,0-0-0]										
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI	2014	Matri	x-S						Weight: 84 lb	FT = 20%

LUMBER-

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

TOP CHORD **BOT CHORD** WEBS

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

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

1 Row at midpt 3-8

REACTIONS. All bearings 17-1-4.

Max Horz 1=-197(LC 8) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1 except 9=-207(LC 12), 6=-207(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=415(LC 22), 9=536(LC 19), 6=536(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-9=-445/331, 4-6=-445/331

### 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 4-7-0, Interior(1) 4-7-0 to 8-7-0, Exterior(2) 8-7-0 to 12-11-13, Interior(1) 12-11-13 to 16-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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) 1 except (jt=lb) 9=207. 6=207.



November 6,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377150 J1124-5980 VB3 VALLEY Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:00 2024 Page 1

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 7-7-0 7-7-0

> Scale = 1:47.2 4x4 =

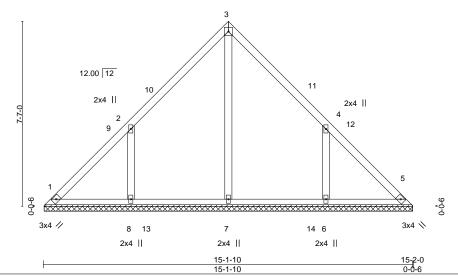


Plate Off	sets (X,Y)	[4:0-0-0,0-0-0]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TF	PI2014	Matri	x-S						Weight: 72 lb	FT = 20%

LUMBER-

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

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

REACTIONS. All bearings 15-1-4.

Max Horz 1=173(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-181(LC 12), 6=-181(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=413(LC 22), 8=453(LC 19), 6=452(LC 20)

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

2-8=-393/304, 4-6=-393/304 WEBS

### 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 4-9-0, Interior(1) 4-9-0 to 7-7-0, Exterior(2) 7-7-0 to 11-11-13, Interior(1) 11-11-13 to 14-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=181, 6=181,



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Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377151 J1124-5980 VALLEY VB4 Job Reference (optional)

Fayetteville, NC - 28314, Comtech, Inc.

8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:01 2024 Page 1

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 13-2-0 6-7-0 6-7-0

> 4x4 = Scale = 1:41.3

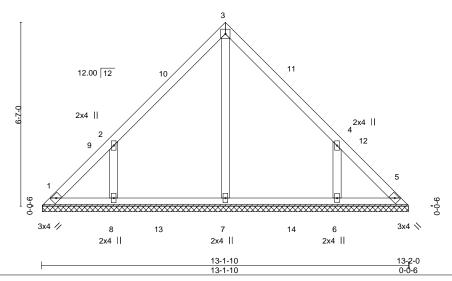


Plate Offsets (A, Y) [4:0-0-0,0-0-0]									
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP						
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL) n/a - n/a 999   MT20 244/190						
TCDL 10.0	Lumber DOL 1.15	BC 0.15	Vert(CT) n/a - n/a 999						
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) 0.00 5 n/a n/a						
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Weight: 61 lb FT = 2	20%					

LUMBER-

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

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

REACTIONS. All bearings 13-1-4.

Max Horz 1=-149(LC 8) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-163(LC 12), 6=-163(LC 13)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=387(LC 19), 8=378(LC 19), 6=377(LC 20)

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

WEBS 2-8=-359/290, 4-6=-359/290

### 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 4-9-0, Interior(1) 4-9-0 to 6-7-0, Exterior(2) 6-7-0 to 10-11-13, Interior(1) 10-11-13 to 12-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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) 1, 5 except (jt=lb) 8=163, 6=163,



November 6,2024



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377152 J1124-5980 VB5 VALLEY Job Reference (optional)

Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:01 2024 Page 1

ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 5-7-0 5-7-0 5-7-0

> Scale = 1:35.4 4x4 =

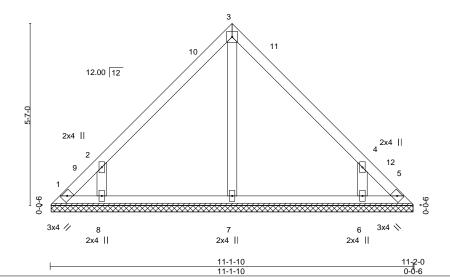


Plate Off	Sets (X,Y)	[4:0-0-0,0-0-0]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2	2014	Matri	x-S						Weight: 49 lb	FT = 20%

LUMBER-

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

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

REACTIONS. All bearings 11-1-4.

(lb) -Max Horz 1=-125(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-165(LC 12), 6=-165(LC 13) Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=346(LC 19), 6=345(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-8=-371/315, 4-6=-372/315 WEBS

### 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 4-9-0, Interior(1) 4-9-0 to 5-7-0, Exterior(2) 5-7-0 to 9-11-13, Interior(1) 9-11-13 to 10-9-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=165, 6=165



November 6,2024



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377153 J1124-5980 VB6 VALLEY Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:02 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 9-2-0 4-7-0 4-7-0 Scale = 1:29.5 4x4 = 2 12.00 12 3 9-0-0 9-0-0 3x4 // 3x4 N 2x4 || 9-1-10 9-1-10 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP (loc) 20.0 Plate Grip DOL 1.15 TC 999 244/190 **TCLL** 0.20 Vert(LL) n/a n/a MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.13 Vert(CT) n/a 999 n/a **BCLL** 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 3 n/a n/a Code IRC2015/TPI2014 BCDL 10.0 Matrix-S Weight: 37 lb FT = 20% **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

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

**OTHERS** 2x4 SP No.2

REACTIONS. 1=9-1-4, 3=9-1-4, 4=9-1-4 (size) Max Horz 1=-101(LC 8)

Max Uplift 1=-25(LC 13), 3=-25(LC 13)

Max Grav 1=192(LC 1), 3=192(LC 1), 4=293(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) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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

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

November 6,2024



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/TP11 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)



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377154 J1124-5980 VB7 VALLEY Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:02 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 3-7-0 3-7-0 3-7-0 Scale = 1:23.7 4x4 = 2 12.00 12 9-0-0 9-0-0 3x4 // 3x4 N 2x4 || 7-1-10 7-1-10 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP (loc) 20.0 Plate Grip DOL 1.15 TC 999 244/190 **TCLL** 0.17 Vert(LL) n/a n/a MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.08 Vert(CT) n/a 999 n/a **BCLL** 0.0 Rep Stress Incr YES WB 0.02 Horz(CT) 0.00 3 n/a n/a Code IRC2015/TPI2014 BCDL 10.0 Matrix-P Weight: 29 lb FT = 20% **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

**OTHERS** 2x4 SP No.2

> 1=7-1-4, 3=7-1-4, 4=7-1-4 (size) Max Horz 1=-77(LC 10)

Max Uplift 1=-28(LC 13), 3=-28(LC 13)

Max Grav 1=157(LC 1), 3=157(LC 1), 4=202(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) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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

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

November 6,2024

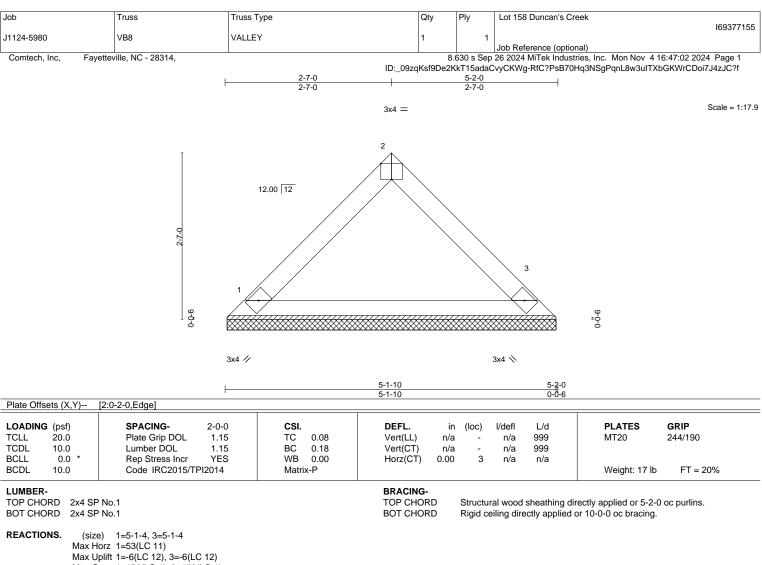


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria 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)





Max Grav 1=179(LC 1), 3=179(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) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



November 6,2024



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building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria 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)



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377156 J1124-5980 VB9 VALLEY Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:03 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 1-7-0 1-7-0 3-2-0 1-7-0 Scale = 1:10.7 3x4 =2 12.00 12 3 J-Q-6 9-0-0 3x4 📏 3x4 / 3-1-10 Plate Offsets (X,Y)--[2:0-2-0,Edge] SPACING-L/d **PLATES** LOADING (psf) 2-0-0 CSI. DEFL. in (loc) I/defI GRIP Plate Grip DOL TCLL 20.0 1.15 TC 0.02 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 ВС 0.05 Vert(CT) n/a n/a 999 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 0.00 3 Horz(CT) n/a n/a Code IRC2015/TPI2014 FT = 20% **BCDL** 10.0 Matrix-P Weight: 10 lb LUMBER-**BRACING-**TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins. **BOT CHORD** BOT CHORD 2x4 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-1-4, 3=3-1-4

Max Horz 1=-30(LC 8) Max Uplift 1=-3(LC 12), 3=-3(LC 12)

Max Grav 1=99(LC 1), 3=99(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) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



November 6,2024



Job Truss Truss Type Qty Lot 158 Duncan's Creek 169377157 J1124-5980 VD1 VALLEY Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:03 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 4-8-4 2-4-2 2-4-2 2-4-2 <sub>2</sub>4x4 = Scale = 1:14.5 12.00 12 3 9-0-0 9-0-0 2x4 || 3x4 📏 3x4 / LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP (loc) 20.0 Plate Grip DOL 1.15 TC Vert(LL) 999 244/190 **TCLL** 0.06 n/a n/a MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.03 Vert(CT) n/a 999 n/a 0.00 **BCLL** 0.0 Rep Stress Incr YES WB 0.01 Horz(CT) 3 n/a n/a Code IRC2015/TPI2014 BCDL 10.0 Matrix-P Weight: 18 lb FT = 20%

**BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS.

1=4-7-8, 3=4-7-8, 4=4-7-8 (size) Max Horz 1=-60(LC 10) Max Uplift 1=-34(LC 13), 3=-34(LC 13) Max Grav 1=97(LC 1), 3=97(LC 1), 4=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) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 3) Gable requires continuous bottom chord bearing.
- 4) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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

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

November 6,2024



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377158 J1124-5980 VD2 VALLEY Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:04 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 1-8-2 1-8-2 Scale = 1:11.2 3x4 =2 12.00 12 3 9-0-0 9-0-0 3x4 📏 3x4 / 3-3-14 Plate Offsets (X,Y)--[2:0-2-0,Edge] SPACING-**PLATES** GRIP LOADING (psf) 2-0-0 CSI. DEFL. in (loc) I/defI L/d Plate Grip DOL TCLL 20.0 1.15 TC 0.03 Vert(LL) 999 MT20 244/190 n/a n/a TCDL 10.0 Lumber DOL 1.15 ВС 0.06 Vert(CT) n/a n/a 999 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 0.00 3 Horz(CT) n/a n/a Code IRC2015/TPI2014 FT = 20% **BCDL** 10.0 Matrix-P Weight: 11 lb LUMBER-**BRACING-**TOP CHORD 2x4 SP No.1 TOP CHORD Structural wood sheathing directly applied or 3-4-4 oc purlins. **BOT CHORD** BOT CHORD 2x4 SP No.1 Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-3-8, 3=3-3-8

Max Horz 1=32(LC 9)

Max Uplift 1=-3(LC 13), 3=-3(LC 13) Max Grav 1=106(LC 1), 3=106(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) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



November 6,2024



Job Truss Truss Type Qty Ply Lot 158 Duncan's Creek 169377159 J1124-5980 VD3 VALLEY Job Reference (optional) Comtech, Inc, Fayetteville, NC - 28314, 8.630 s Sep 26 2024 MiTek Industries, Inc. Mon Nov 4 16:47:04 2024 Page 1 ID:\_09zqKsf9De2KkT15adaCvyCKWg-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f 2-0-4 1-0-2 1-0-2 Scale = 1:7.8 3x4 =2 12.00 12 3 -0-2 0-0-6 9-0-0 3x4 📏 3x4 // 0-0-6 0-0-6 Plate Offsets (X,Y)--[2:0-2-0,Edge] SPACING-DEFL. **PLATES** GRIP LOADING (psf) 2-0-0 CSI. in (loc) I/defI L/d Plate Grip DOL TCLL 20.0 1.15 TC 0.01 Vert(LL) 999 244/190 n/a n/a MT20 TCDL 10.0 Lumber DOL 1.15 ВС 0.01 Vert(CT) n/a n/a 999 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 0.00 3 Horz(CT) n/a n/a Code IRC2015/TPI2014 FT = 20% **BCDL** 10.0 Matrix-P Weight: 6 lb LUMBER-**BRACING-**

TOP CHORD

**BOT CHORD** 

REACTIONS.

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

> 1=1-11-8, 3=1-11-8 (size) Max Horz 1=-16(LC 8)

Max Uplift 1=-2(LC 13), 3=-2(LC 13) Max Grav 1=53(LC 1), 3=53(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) Gable requires continuous bottom chord bearing.
- 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



Structural wood sheathing directly applied or 2-0-4 oc purlins.

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

November 6,2024



### Symbols

## PLATE LOCATION AND ORIENTATION



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



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

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

\* Plate location details available in MiTek software or upon request

### PLATE SIZE

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

## LATERAL BRACING LOCATION



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

### **BEARING**



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

### ANSI/TPI1: Industry Standards: National Design Specification for Metal

DSB-22:

Plate Connected Wood Trusses Installing, Restraining & Bracing of Metal Guide to Good Practice for Handling, Building Component Safety Information, Design Standard for Bracing. Plate Connected Wood Truss Construction.

## 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

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

established by others section 6.3 These truss designs rely on lumber values Lumber design values are in accordance with ANSI/TPI 1

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### MiTek



MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

# General Safety Notes

### Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.

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- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other

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- joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1. Place plates on each face of truss at each
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.

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- Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- 19. Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- 21. The design does not take into account any dynamic Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

or other loads other than those expressly stated.