

Roof Area = 1854.9 sq.ft.
 Ridge Line = 65.83 ft.
 Hip Line = 0 ft.
 Horiz. OH = 76.33 ft.
 Raked OH = 113.07 ft.
 Decking = 64 sheets

Hatch Legend
 Vaulted Ceiling

Connector Information				Nail Information	
Sym	Product	Manuf	Qty	Supported Member	Header
	HUS26	USP	12	NA	16d/3-1/2" 16d/5-1/2"

Truss Placement Plan
 SCALE: NTS

⚠ Indicates Left End of Truss
 (Reference Engineered Truss Drawing)
 Do NOT Erect Truss Backwards

BUILDER	Thomas Prop. of Harnett Co.	CITY / CO.	Site Address - City / Harnett
JOB NAME	The Dogwood RH	ADDRESS	Site Address
PLAN	Plan	MODEL	Roof
SEAL DATE	Seal Date	DATE REV.	05/09/24
QUOTE #	Quote #	DRAWN BY	Bob Lewis
JOB #	J0524-2732	SALES REP.	Bob Lewis

LOAD CHART FOR JACK STUDS

MAXIMUM ALLOWABLE LOADS (KIP) FOR JACK STUDS

SPACING	2x4	2x6	2x8	2x10	2x12
12" O.C.	1.5	2.0	2.5	3.0	3.5
16" O.C.	1.0	1.5	2.0	2.5	3.0
20" O.C.	0.7	1.0	1.5	2.0	2.5
24" O.C.	0.5	0.7	1.0	1.5	2.0

Bob Lewis

Bob Lewis

COMTECH

ROOF & FLOOR TRUSSES & BEAMS

Relly Road Industrial Park
 Fayetteville, NC 28309
 Phone: (910) 864-8787
 Fax: (910) 864-4444

Job J0524-2732	Truss A1	Truss Type Common	Qty 4	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:43 2024 Page 1
ID:1dglWlw8CZG_cfa_90RQW6zlmO-s81leRt5Zc00_lp5?j53_7MP5r_cymMOIxWADMzIHqU

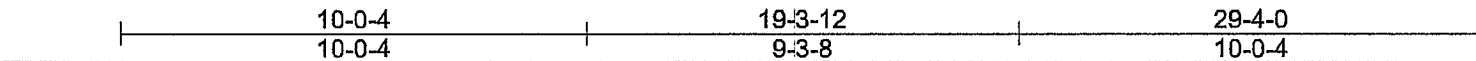
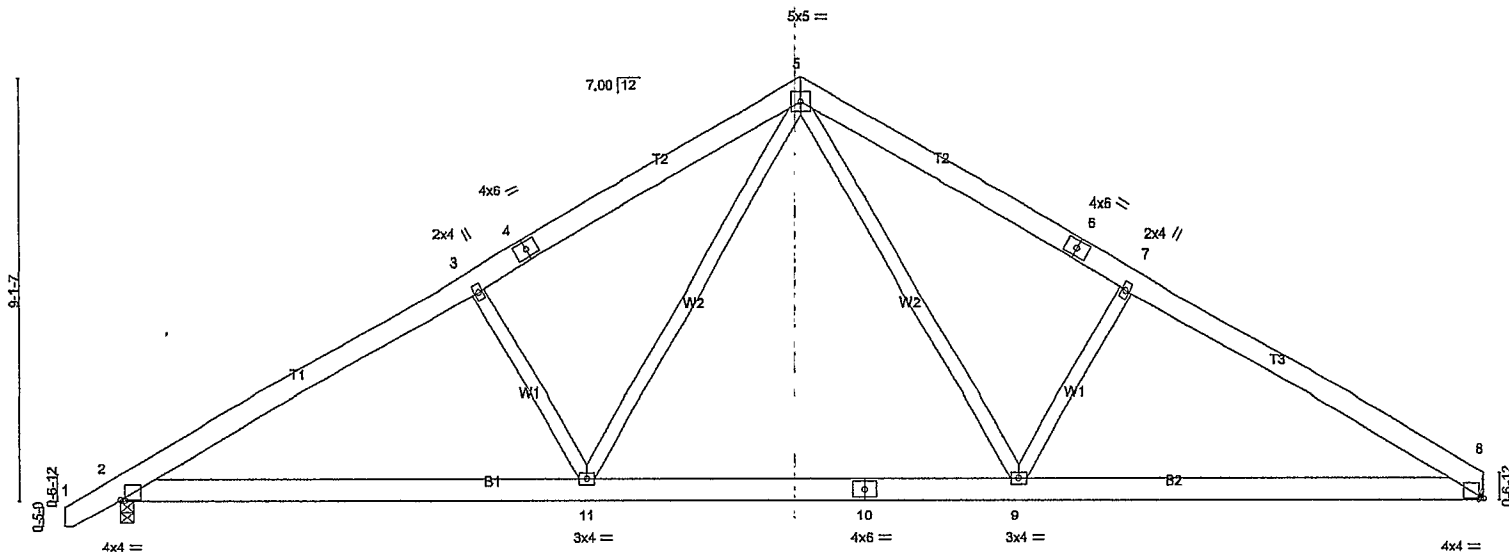


Plate Offsets (X,Y)-- [2:0-1-2,0-0-2], [8:0-1-2,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.20	Vert(LL) -0.14	9-11	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.38	Vert(CT) -0.19	9-11	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.22	Horz(CT) 0.03	8	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Wind(LL) 0.04	9-17	>999	240		
	Code IRC2015/TPI2014						Weight: 194 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.
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) 2=1241/0-3-8 (min. 0-1-8), 8=1172/Mechanical
Max Horz 2=216(LC 11)
Max Uplift 2=-83(LC 12), 8=-67(LC 13)
Max Grav 2=1273(LC 19), 8=1209(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1899/353, 3-18=-1845/379, 3-4=-1757/390, 4-19=-1690/402, 5-19=-1661/429,
5-20=-1666/443, 6-20=-1695/417, 6-7=-1763/405, 7-21=-1829/393, 8-21=-1904/369
BOT CHORD 2-11=-223/1725, 11-22=-40/1123, 10-22=-40/1123, 10-23=-40/1123, 9-23=-40/1123,
8-9=-223/1577
WEBS 5-9=-133/833, 7-9=-484/257, 5-11=-129/826, 3-11=-485/255

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; VuIt=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat, II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 29-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 J0524-2732	Truss A2	Truss Type Roof Special	Qty 8	Ply 1	The Dogwood RH
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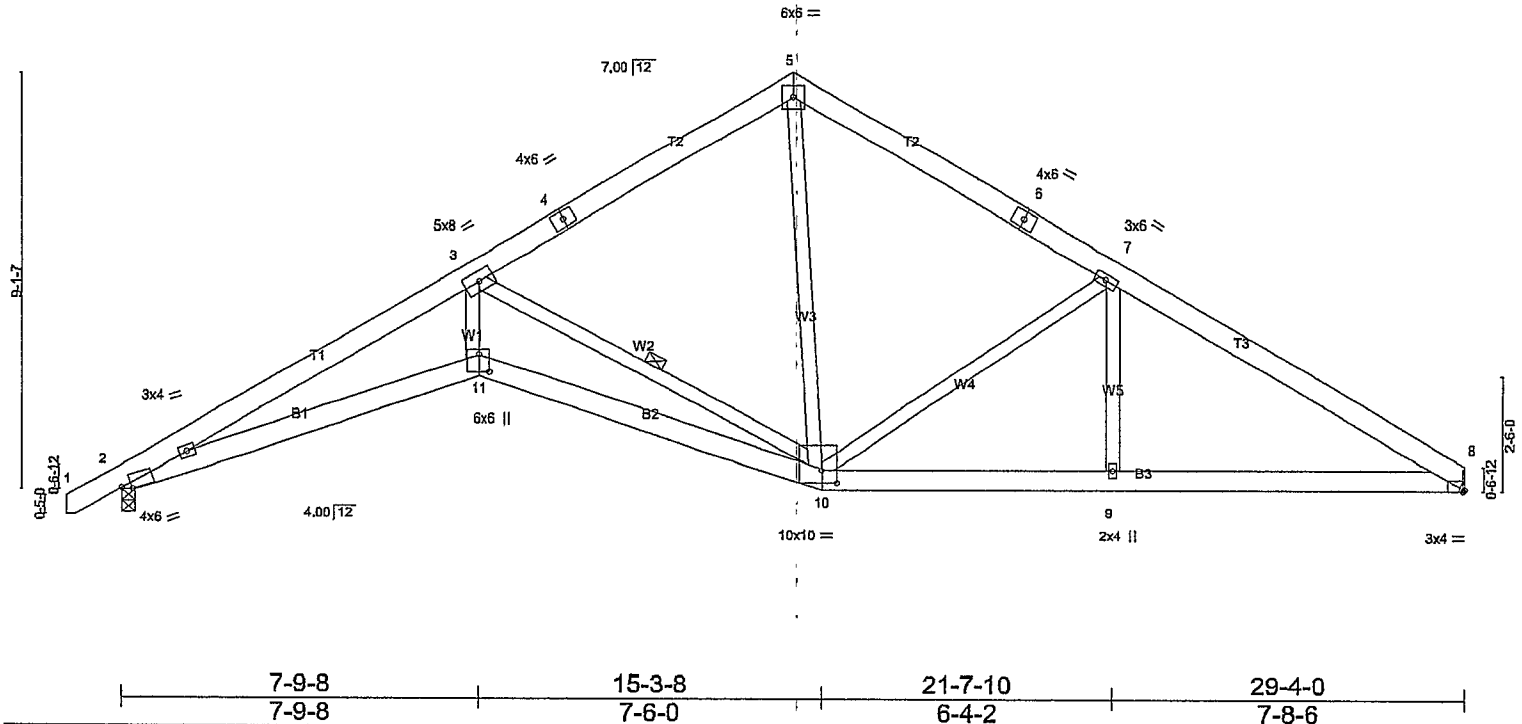
Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MITek Industries, Inc. Thu May 9 09:23:45 2024 Page 1
ID:1dgWw8C2G_cfA_90RQW6zltmO-pX9237vL5DGkD3zT688X3YRkbfGQVAgIF7HIEziHqs

Job Reference (optional)

1-2-8	7-9-8	8-0-8	14-8-0	21-7-10	29-4-0
1-2-8	7-9-8	0-3-0	6-7-8	6-11-10	7-8-6

Scale = 1:48.9



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2.0-0	TC	0.26	in	(loc)	l/def	L/d	MT20	244/190		
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(LL)	-0.19 11	>999	360				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Vert(CT)	-0.39 10-11	>914	240				
BCDL	10.0	Code IRC2015/TPI2014		Matrix	AS	Horz(CT)	0.23 8	n/a	n/a				
						Wind(LL)	0.14 11	>999	240	Weight: 199 lb		FT = 25%	

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 3-10

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

REACTIONS. (lb/size) 2=1241/0-3-8 (min. 0-1-8), 8=1172/Mechanical
Max Horz 2=216(LC 9)
Max Uplift 2=-82(LC 12), 8=-66(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-3732/600, 3-18=-3633/626, 3-4=-1239/316, 4-19=-1216/320, 5-19=-1212/347,
5-20=-1296/368, 6-20=-1306/341, 6-7=-1343/330, 7-21=-1753/382, 8-21=-1843/358
BOT CHORD 2-11=471/3340, 10-11=-488/3511, 9-10=-213/1534, 8-9=-213/1534
WEBS 3-11=-211/2266, 3-10=-2722/492, 5-10=-146/852, 7-10=-654/217, 7-9=0/283

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 29-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 2 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) 2, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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.

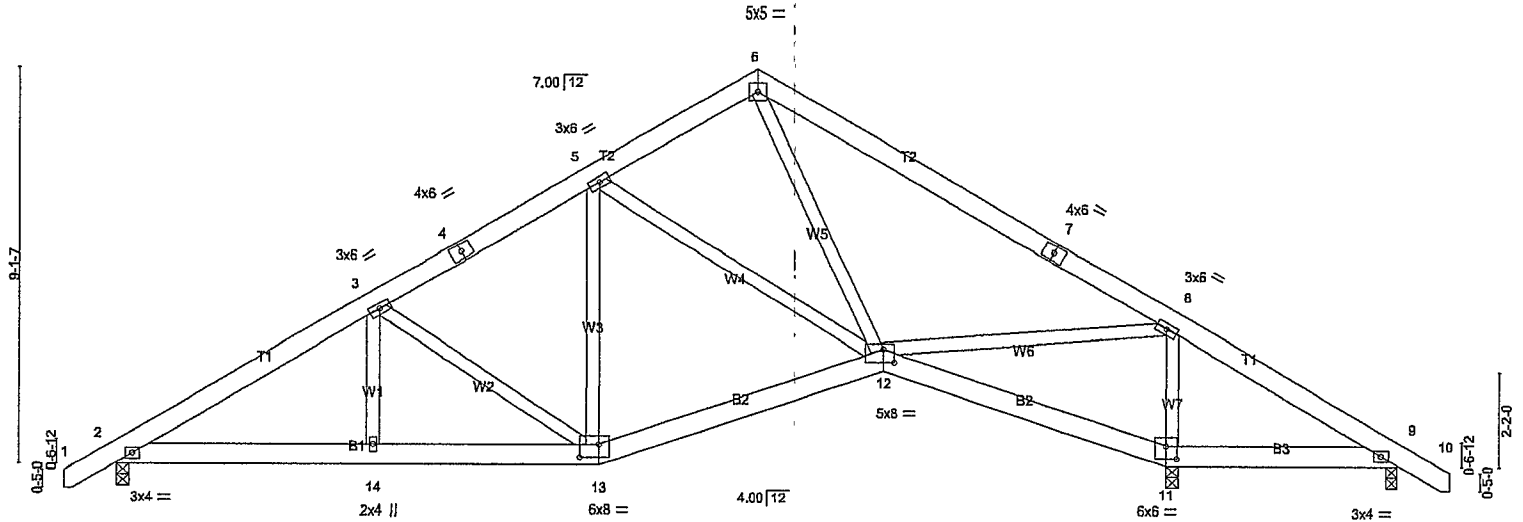
LOAD CASE(S) Standard

Job J0524-2732	Truss A3	Truss Type Roof Special	Qty 9	Ply 1	The Dogwood RH
Comtech, Inc., Fayetteville, NC 28309, David Simonson					Job Reference (optional)

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MITek Industries, Inc. Thu May 9 09:23:45 2024 Page 1
ID:1dgWlw8C2G_ofA_90RQW6zltmO-pX9237vL5DGkD3zT688X3YRkmf8QdtglF7HIEzIHqs

1-2-8	5-10-10	11-0-8	14-8-0	24-0-8	29-4-0	30-6-8
1-2-8	5-10-10	5-1-14	3-7-8	9-4-8	5-3-8	1-2-8

Scale = 1:51.2



5-10-10	11-0-8	17-6-8	24-0-8	24-2-4	29-4-0
5-10-10	5-1-14	6-6-0	6-6-0	0-1-12	5-1-12

Plate Offsets (X,Y)-- [11:0-3-0,0-3-8], [12:0-3-0,0-3-8], [13:0-5-4,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.18	Vert(LL) -0.02 12-13 >999 360		
BCLL 0.0 +	Lumber DOL 1.15	WB 0.41	Vert(CT) -0.06 12-13 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.03 11 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.02 14 >999 240		
				Weight: 214 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.
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) 2=973/0-3-8 (min. 0-1-8), 11=1478/0-3-8 (min. 0-1-12), 9=29/0-3-0 (min. 0-1-8)
Max Horiz 2=221(LC 11)
Max Uplift 2=-75(LC 12), 11=-61(LC 13), 9=-76(LC 23)
Max Grav 2=973(LC 1), 11=1478(LC 1), 9=104(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-1402/260, 3-21=-1341/278, 3-4=-1013/240, 4-22=-971/255, 5-22=-956/267,
5-6=-681/222, 6-23=-805/162, 7-23=-806/135, 7-8=-960/121, 8-24=-23/420, 9-24=-44/371
BOT CHORD 2-14=-124/1234, 13-14=-124/1234, 12-13=-24/913, 11-12=-416/135, 9-11=-317/102
WEBS 3-13=-518/159, 5-12=-401/159, 6-12=0/441, 8-12=0/1039, 8-11=-1240/311

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 30-5-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 9.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 J0524-2732	Truss A3SGE	Truss Type GABLE	Qty 1	Ply 1	The Dogwood RH
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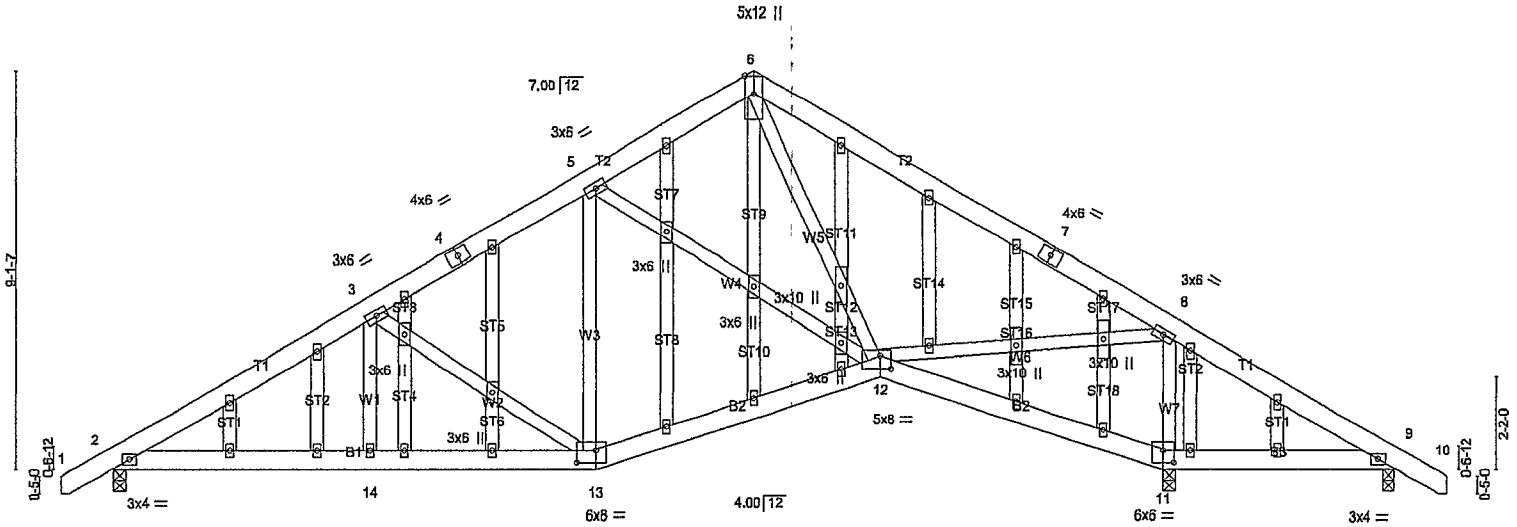
Job Reference (optional)

Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:46 2024 Page 1
ID:1dgiVWw8C2G_cFA_90RQW6zlmO-IHjQGTwzsXOarDYggrfmbm_uW33N947q_vlrqhzlHqR

-1-2-8	5-10-10	11-0-8	14-8-0	24-0-8	29-4-0	30-6-8
1-2-8	5-10-10	5-1-14	3-7-8	9-4-8	5-3-8	1-2-8

Scale = 1:51.2



5-10-10	11-0-8	17-6-8	24-0-8	24-2-4	29-4-0
5-10-10	5-1-14	6-6-0	6-6-0	0-1-12	5-1-12

Plate Offsets (X,Y)-- [11:0-3-0,0-3-8], [12:0-3-0,0-3-8], [13:0-5-4,0-3-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.32	Vert(LL)	-0.02	12-13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.18	Vert(CT)	-0.06	12-13	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.41	Horz(CT)	0.03	11	n/a		
BCDL 10.0	Code IRC2015/TP12014		Matrix-AS	Wind(LL)	0.03	14	>999		
								Weight: 278 lb	FT = 25%

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

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) 2=973/0-3-8 (min. 0-1-8), 11=1478/0-3-8 (min. 0-1-12), 9=290/0-3-0 (min. 0-1-8)
 Max Horz 2=276(LC 11)
 Max Uplift 2=-226(LC 12), 11=-256(LC 13), 9=-82(LC 10)
 Max Grav 2=973(LC 1), 11=1478(LC 1), 9=104(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-52=-1402/278, 3-52=-1341/296, 3-4=-1013/240, 4-53=-971/255, 5-53=-956/267,
 5-6=-681/222, 6-54=-805/188, 7-54=-806/161, 7-8=-960/147, 8-55=-59/425, 9-55=-80/378
 BOT CHORD 2-14=-319/1273, 13-14=-319/1273, 12-13=-151/944, 11-12=-416/135, 9-11=-317/103
 WEBS 3-13=-518/226, 5-12=-401/206, 6-12=-26/441, 8-12=-85/1065, 8-11=-1240/311

NOTES-

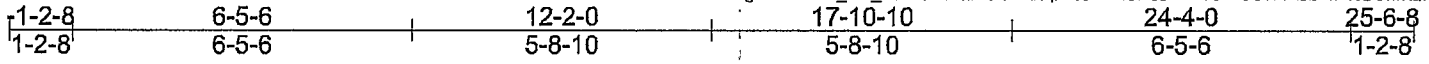
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 19-0-13 to 30-5-5 zone; 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 2-0-0 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (t=lb) 2=226, 11=256.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

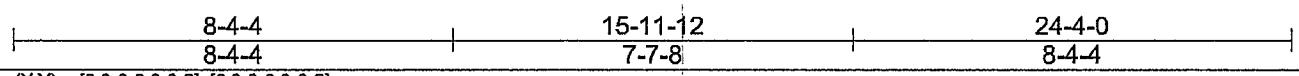
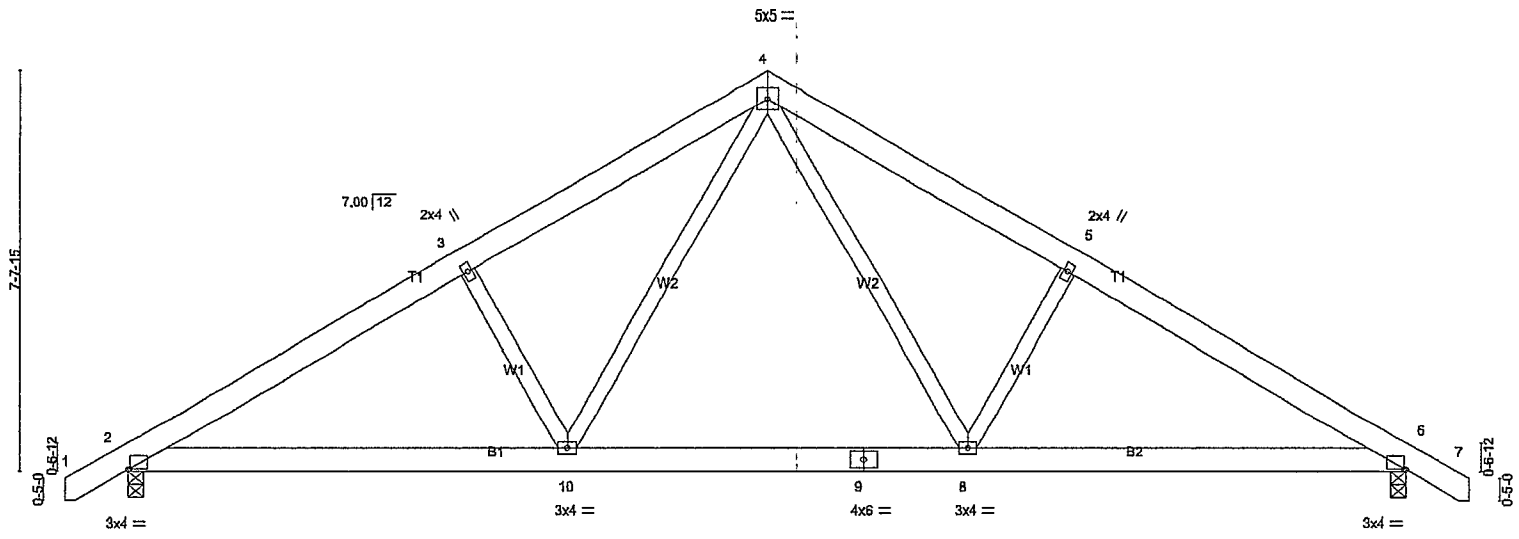
Job J0524-2732	Truss B1	Truss Type COMMON	Qty 1	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:47 2024 Page 1
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Scale = 1:42.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.26	Vert(LL) -0.07 8-10 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(CT) -0.10 8-10 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.02 6 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.02 10-13 >999 240	Weight: 164 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.
 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) 2=1040/0-3-8 (min. 0-1-8), 6=1040/0-3-8 (min. 0-1-8)
 Max Horiz 2=-186(LC 10)
 Max Uplift 2=-71(LC 12), 6=-71(LC 13)
 Max Grav 2=1052(LC 19), 6=1053(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-1524/297, 3-17=-1474/316, 3-18=-1410/327, 4-18=-1341/358, 4-19=-1341/359,
 5-19=-1413/327, 5-20=-1477/316, 6-20=-1527/297
 BOT CHORD 2-10=-150/1394, 10-21=-11/918, 9-21=-11/918, 8-9=-11/918, 6-8=-163/1258
 WEBS 4-8=-110/659, 5-8=-394/213, 4-10=-110/653, 3-10=-394/213

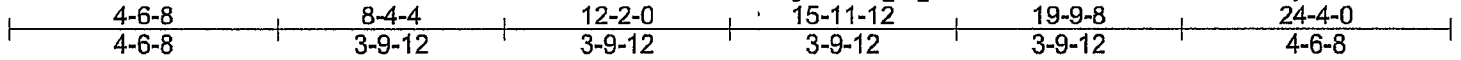
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 12-2-0, Exterior(2) 12-2-0 to 16-6-13, Interior(1) 16-6-13 to 25-5-5 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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 J0524-2732	Truss B1GR	Truss Type Common Girder	Qty 1	Ply 2	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:48 2024 Page 1
ID:1dgIW8C2G_cfA_90RQW6zltmO-D6rAh9xE08eI4Xh2oGhEhB3Dysesdxv7RDExvZzlHqP



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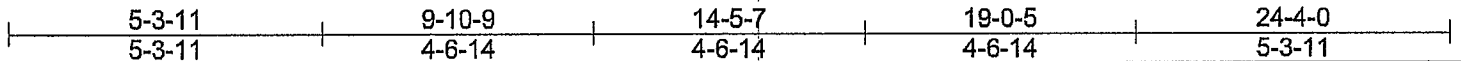
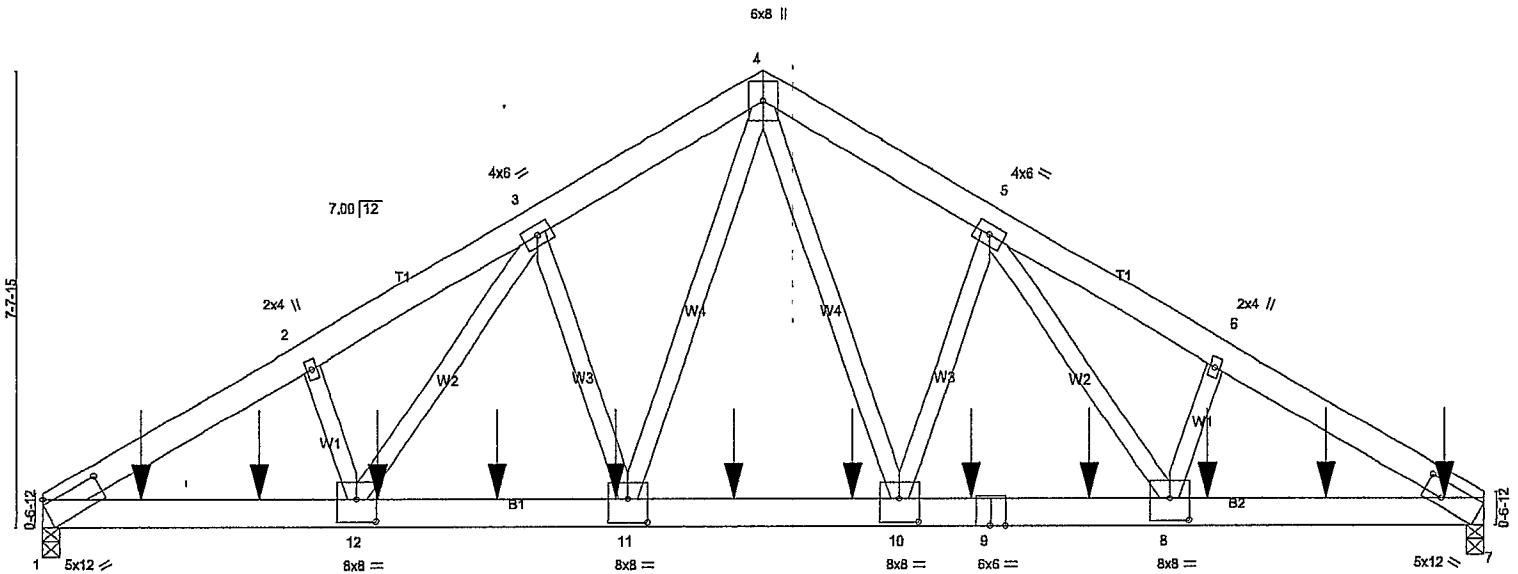


Plate Offsets (X,Y)-- [1:0-11-6,0-1-0], [7:0-3-13,0-3-7], [8:0-4-0,0-4-8], [10:0-4-0,0-4-12], [11:0-4-0,0-4-12], [12:0-4-0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (oc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.56	Vert(LL) -0.12 10-11 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.58	Vert(CT) -0.24 10-11 >999 240		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.08 7 n/a n/a		
	Code IRC2015/TPI2014		Wind(LL) 0.09 10-11 >999 240		
				Weight: 362 lb	FT = 25%

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

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

REACTIONS. (lb/size) 1=7582/0-3-8 (min. 0-3-2), 7=8175/0-3-8 (min. 0-3-6)
Max Horz 1=-168(LC 4)
Max Uplift 1=-504(LC 8), 7=-542(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11909/807, 2-3=-11819/854, 3-4=-9298/703, 4-5=-9319/705, 5-6=-11892/858,
6-7=-11978/811
BOT CHORD 1-21=-726/10225, 21-22=-726/10225, 12-22=-726/10225, 12-23=-559/8530, 23-24=-559/8530,
11-24=-559/8530, 11-25=-375/6596, 25-26=-375/6596, 10-26=-375/6596, 10-27=-505/8556,
9-27=-505/8556, 9-28=-505/8556, 8-28=-505/8556, 8-29=-646/10289, 29-30=-646/10289,
7-30=-646/10289
WEBS 4-10=-378/4758, 5-10=-1760/238, 5-8=-262/3249, 4-11=-374/4700, 3-11=-1731/237,
3-12=-258/3182

- 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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=504, 7=542.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Job J0524-2732	Truss B1GR	Truss Type Common Girder	Qty 1	Ply 2	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

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Job Reference (optional)

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1152 lb down and 87 lb up at 1-8-0, 1152 lb down and 87 lb up at 3-8-0, 1152 lb down and 87 lb up at 5-8-0, 1152 lb down and 87 lb up at 7-8-0, 1152 lb down and 86 lb up at 9-8-0, 1152 lb down and 86 lb up at 11-8-0, 1152 lb down and 86 lb up at 13-8-0, 1152 lb down and 86 lb up at 15-8-0, 1152 lb down and 86 lb up at 17-8-0, 1152 lb down and 86 lb up at 19-8-0, and 1152 lb down and 86 lb up at 21-8-0, and 1155 lb down and 83 lb up at 23-8-0 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

Uniform Loads (plf)

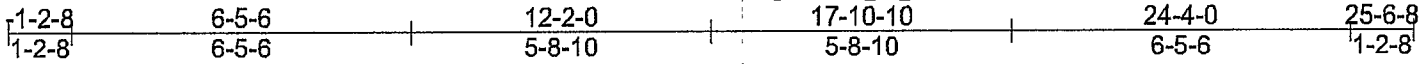
Vert: 4-15=-60, 4-19=-60, 1-7=-20

Concentrated Loads (lb)

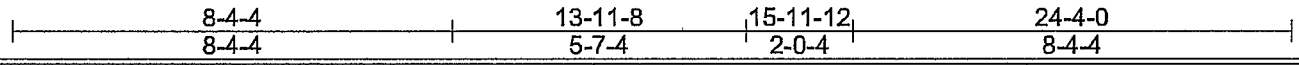
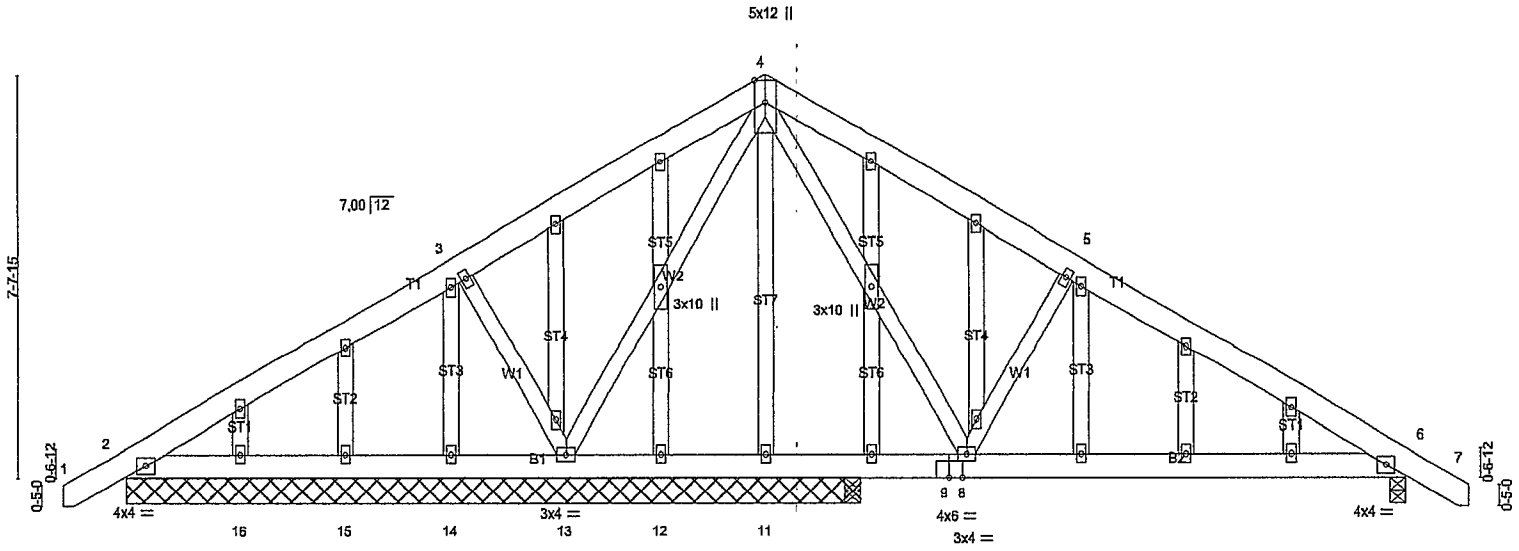
Vert: 11=-1152(B) 18=-1155(B) 21=-1152(B) 22=-1152(B) 23=-1152(B) 24=-1152(B) 25=-1152(B) 26=-1152(B) 27=-1152(B) 28=-1152(B) 29=-1152(B) 30=-1152(B)

Job J0524-2732	Truss B1SE	Truss Type COMMON STRUCTURAL	Qty 1GA	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 8 09:23:48 2024 Page 1
 ID:1dgWlw8C2G_cfA_90RQVW6zltmO-D6rAh9xE08el4Xh2oGhEhB3GjskndxH7RDExvZzIHqP



Scale = 1:42.6



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/def L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	Vert(LL) -0.03 8-40 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.19	Vert(CT) -0.06 8-40 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.62	Horz(CT) 0.00 6 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.03 8-40 >999 240		
				Weight: 221 lb	FT = 25%

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

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. All bearings 13-11-8 except (jt=length) 6=0-3-8, 10=0-3-8.
 (lb) - Max Horz 2=-232(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 15, 16, 10 except 13=-277(LC 12),
 6=-179(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 2, 11, 12, 14, 15, 16, 10, 2 except
 13=806(LC 1), 6=645(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 4-43=-575/257, 5-43=-607/225, 5-44=-646/212, 6-44=-706/193
 BOT CHORD 6-8=-54/573
 WEBS 4-8=-163/503, 5-8=-414/281, 4-13=-556/108, 3-13=-374/276

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 12-2-0, Exterior(2) 12-2-0 to 16-6-13, Interior(1) 16-6-13 to 25-5-5 zone; 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 2-0-0 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 15, 16, 10, 2 except (jt=lb) 13=277, 6=179.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 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.

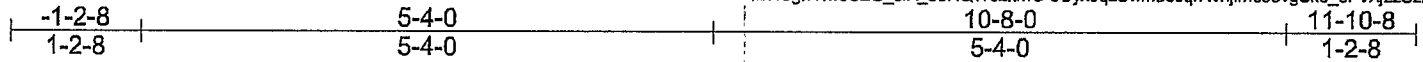
LOAD CASE(S) Standard

Job J0524-2732	Truss C1GE	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	The Dogwood RH
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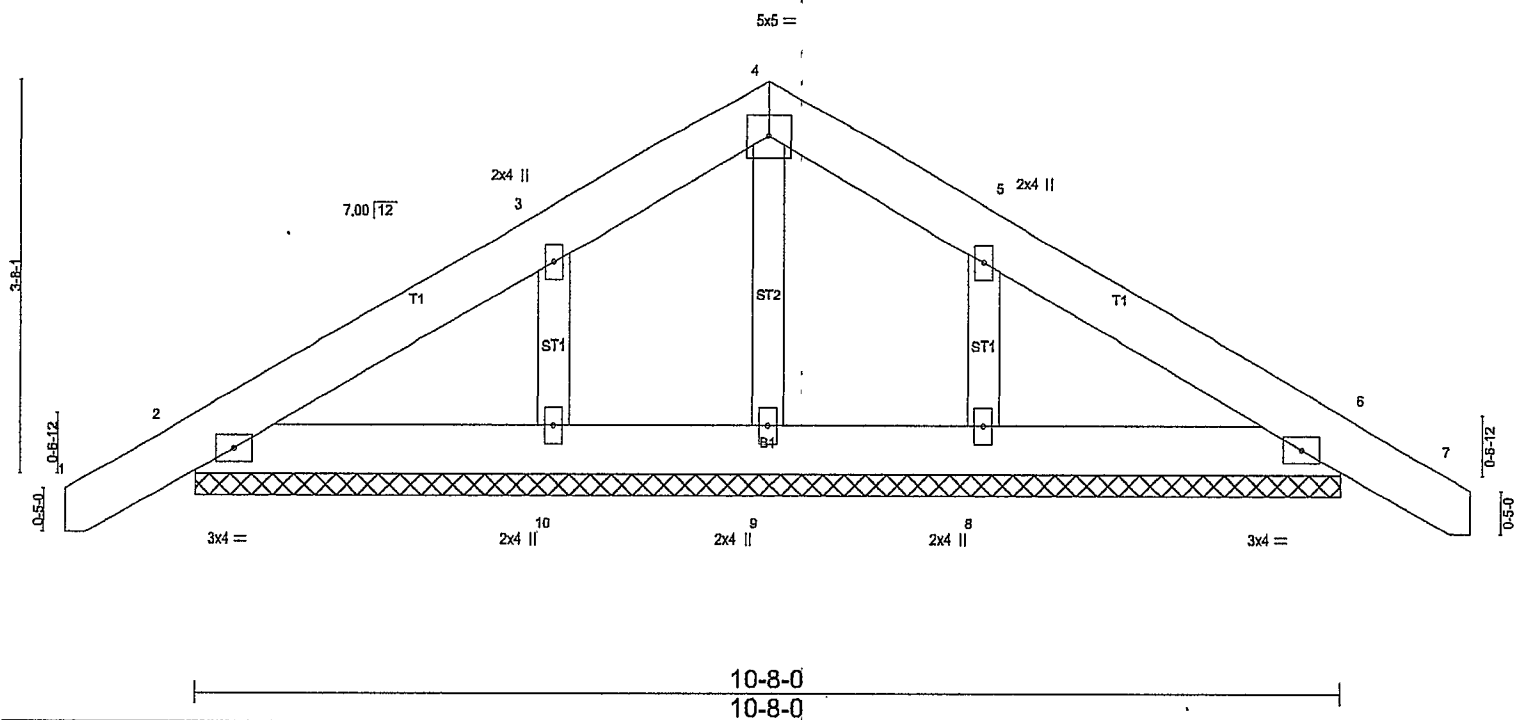
Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:50 2024 Page 1
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Job Reference (optional)



Scale = 1:20.8



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 0.04	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	0.00	6	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							
									Weight: 70 lb	FT = 25%

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

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

REACTIONS. All bearings 10-8-0.
 (lb) - Max Horz 2=113(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=118(LC 12), 8=117(LC 13)
 Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=281(LC 19), 8=279(LC 20)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-1-5 to 3-4-0, Exterior(2) 3-4-0 to 5-4-0, Corner(3) 5-4-0 to 9-8-13, Exterior(2) 9-8-13 to 11-9-5 zone; 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=118, 8=117.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

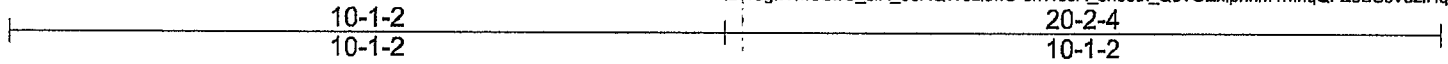
LOAD CASE(S) Standard

Job J0524-2732	Truss V1	Truss Type VALLEY	Qty 1	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MITek Industries, Inc. Thu May 9 09:23:51 2024 Page 1
ID:1dgIW8C2G_cfA_90RQW6zlmO-dhWJJA_6h30tx_QdTOExpInm4mhqQFZ8BScVuzlHqM

Job Reference (optional)



Scale = 1:31.6

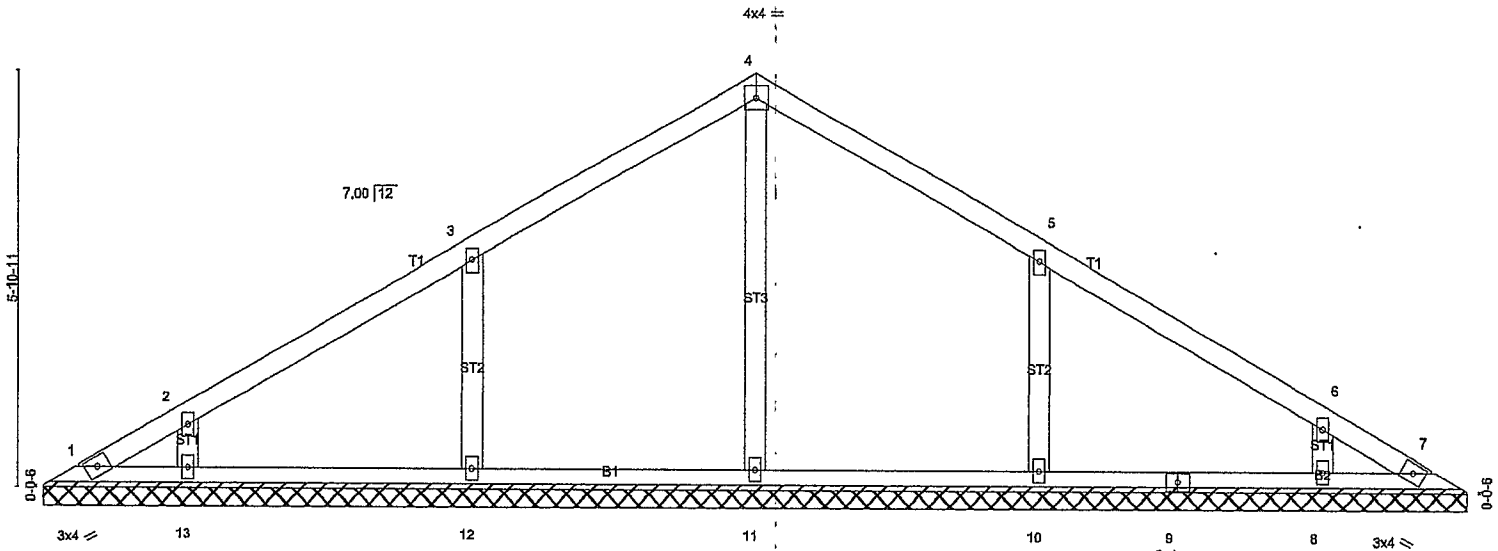


Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

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 0.16	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.17	Vert(CT) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(CT) 0.00 7 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S			
				Weight: 82 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
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.

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

REACTIONS. All bearings 20-1-0.
(lb) - Max Horz 1=134(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 12, 13, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=441(LC 19),
12=416(LC 19), 13=263(LC 19), 10=416(LC 20), 8=262(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-12=-302/191, 5-10=-302/191

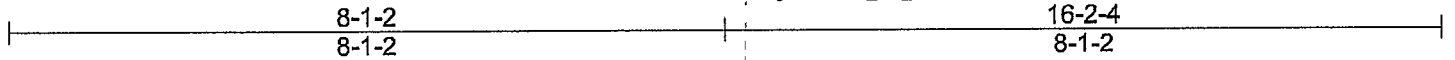
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 10-1-2, Exterior(2) 10-1-2 to 14-5-15, Interior(1) 14-5-15 to 19-7-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - 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) 1, 7, 12, 13, 10, 8.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

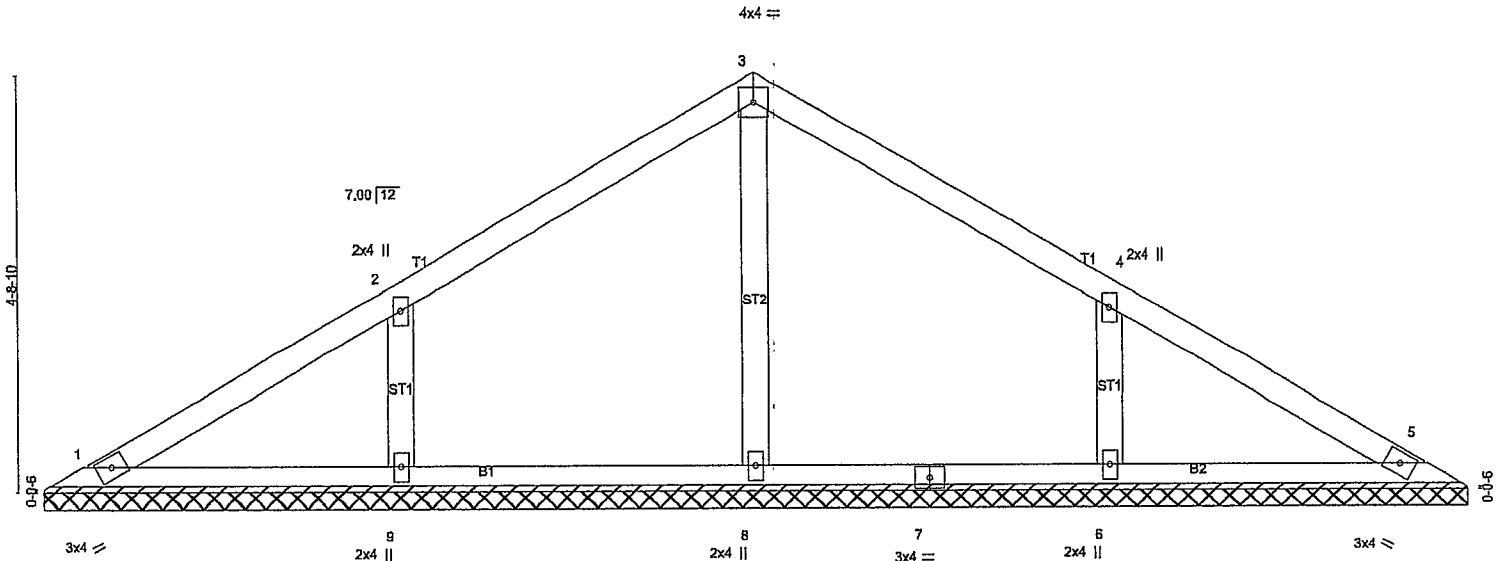
Job J0524-2732	Truss V2	Truss Type VALLEY	Qty 1	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:51 2024 Page 1
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Scale = 1:25.3



16-1-10

16-2-4

16-1-10

0-0-10

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S						
	Code IRC2015/TPI2014						Weight: 61 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
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.

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

REACTIONS. All bearings 16-1-0.
(lb) - Max Horz 1=106(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 8=256(LC 1), 9=376(LC 19), 6=376(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-304/192, 4-6=-304/192

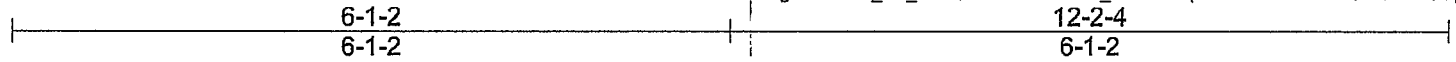
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 8-1-2, Exterior(2) 8-1-2 to 12-5-15, Interior(1) 12-5-15 to 15-7-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 6.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job J0524-2732	Truss V3	Truss Type VALLEY	Qty 1	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:52 2024 Page 1
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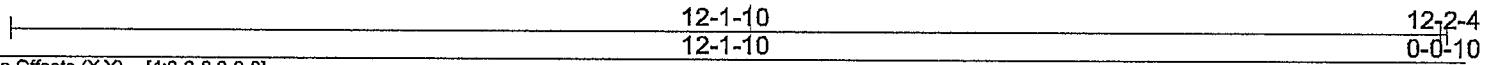
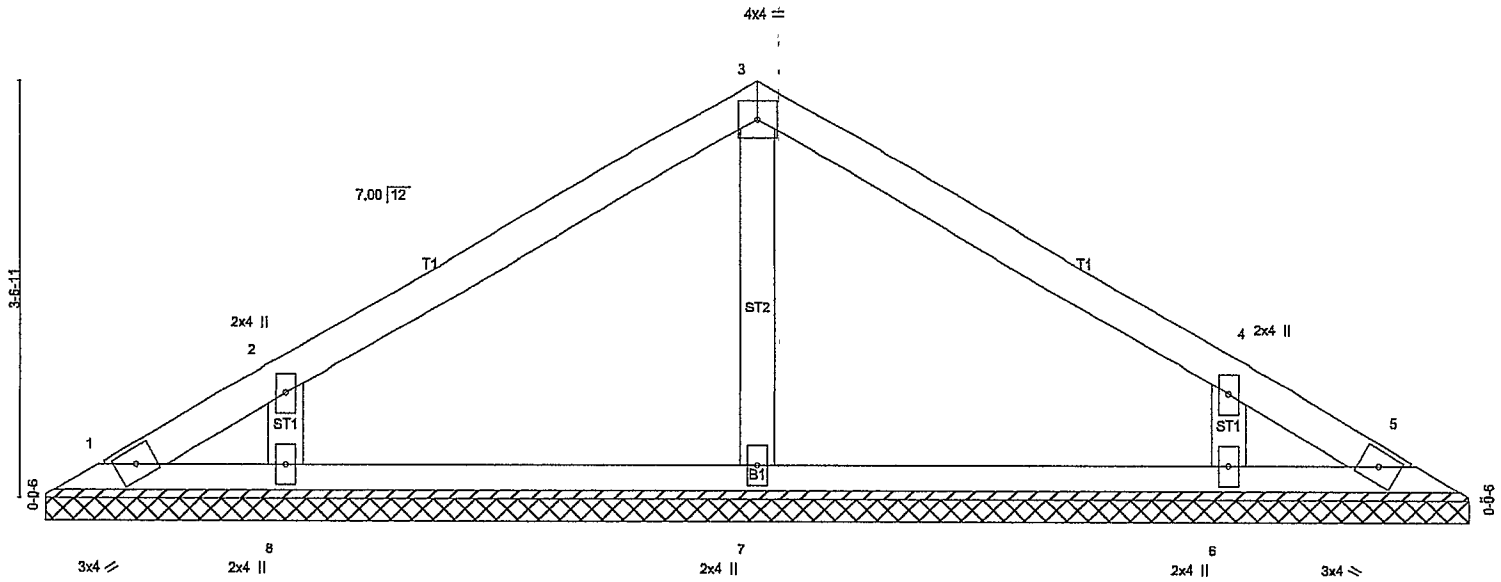


Plate Offsets (X,Y)-- [4:0-0-0,0-0-0]

LOADING (psf)	SPACING- 2-0-0	CSI,	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
				Weight: 43 lb	FT = 25%

LUMBER-
TOP CHORD 2x4 SP No.1
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.

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

REACTIONS. All bearings 12-1-0.
(lb) - Max Horz 1=78(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=275(LC 1), 8=309(LC 19), 6=309(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-265/186, 4-6=-265/186

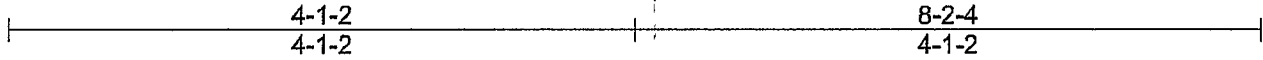
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 6-1-2, Exterior(2) 6-1-2 to 10-5-15, Interior(1) 10-5-15 to 11-7-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

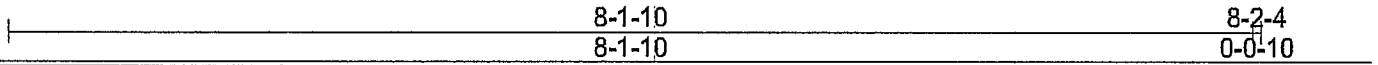
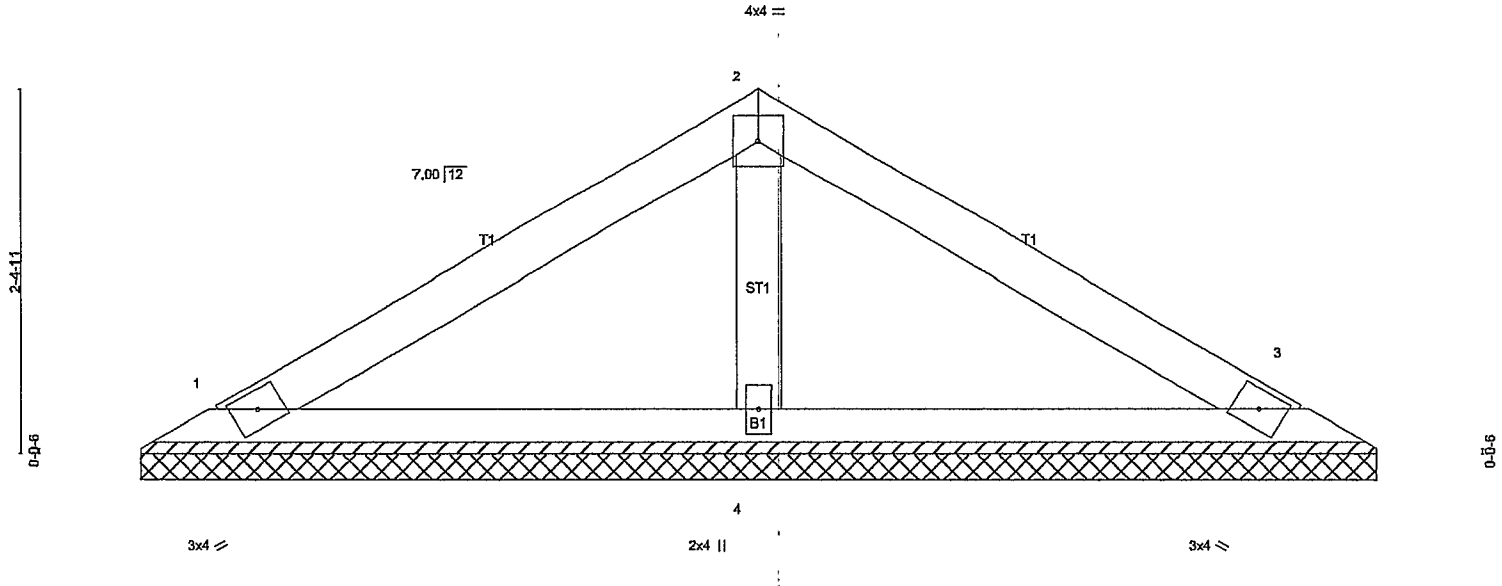
Job J0524-2732	Truss V4	Truss Type VALLEY	Qty 1	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MiTek Industries, Inc. Thu May 9 09:23:52 2024 Page 1
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Scale = 1:14.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 27 lb	FT = 25%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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) 1=149/8-1-0 (min. 0-1-8), 3=149/8-1-0 (min. 0-1-8), 4=268/8-1-0 (min. 0-1-8)
Max Horz 1=50(LC 11)
Max Uplift 1=-24(LC 12), 3=-29(LC 13)

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

NOTES-

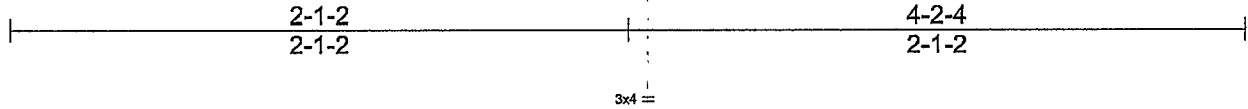
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.1.1.1 and R602.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job J0524-2732	Truss V5	Truss Type VALLEY	Qty 1	Ply 1	The Dogwood RH
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

Run: 8.430 s May 12 2021 Print: 8.430 s May 12 2021 MITek Industries, Inc. Thu May 9 09:23:53 2024 Page 1
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Scale = 1:7.6

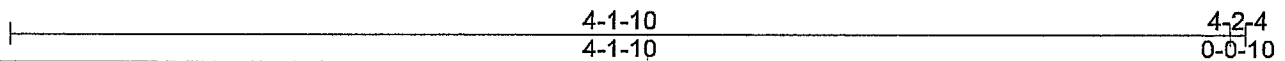
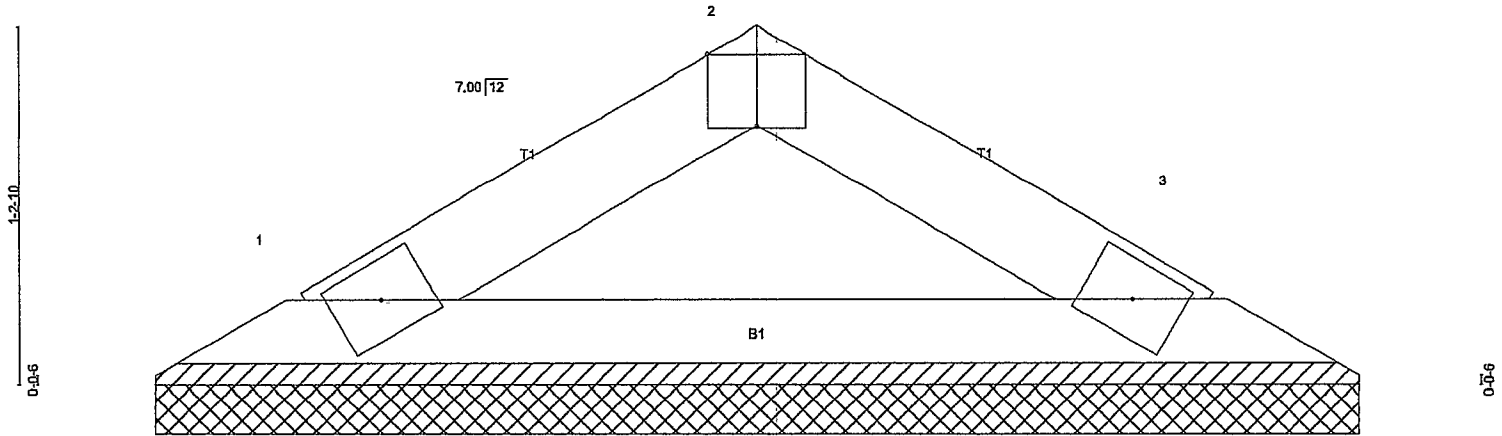


Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.03	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 11 lb	FT = 25%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-4 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) 1=123/4-1-0 (min. 0-1-8), 3=123/4-1-0 (min. 0-1-8)
Max Horz 1=-22(LC 10)
Max Uplift 1=-7(LC 12), 3=-7(LC 13)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph Vasd=103mph; 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard