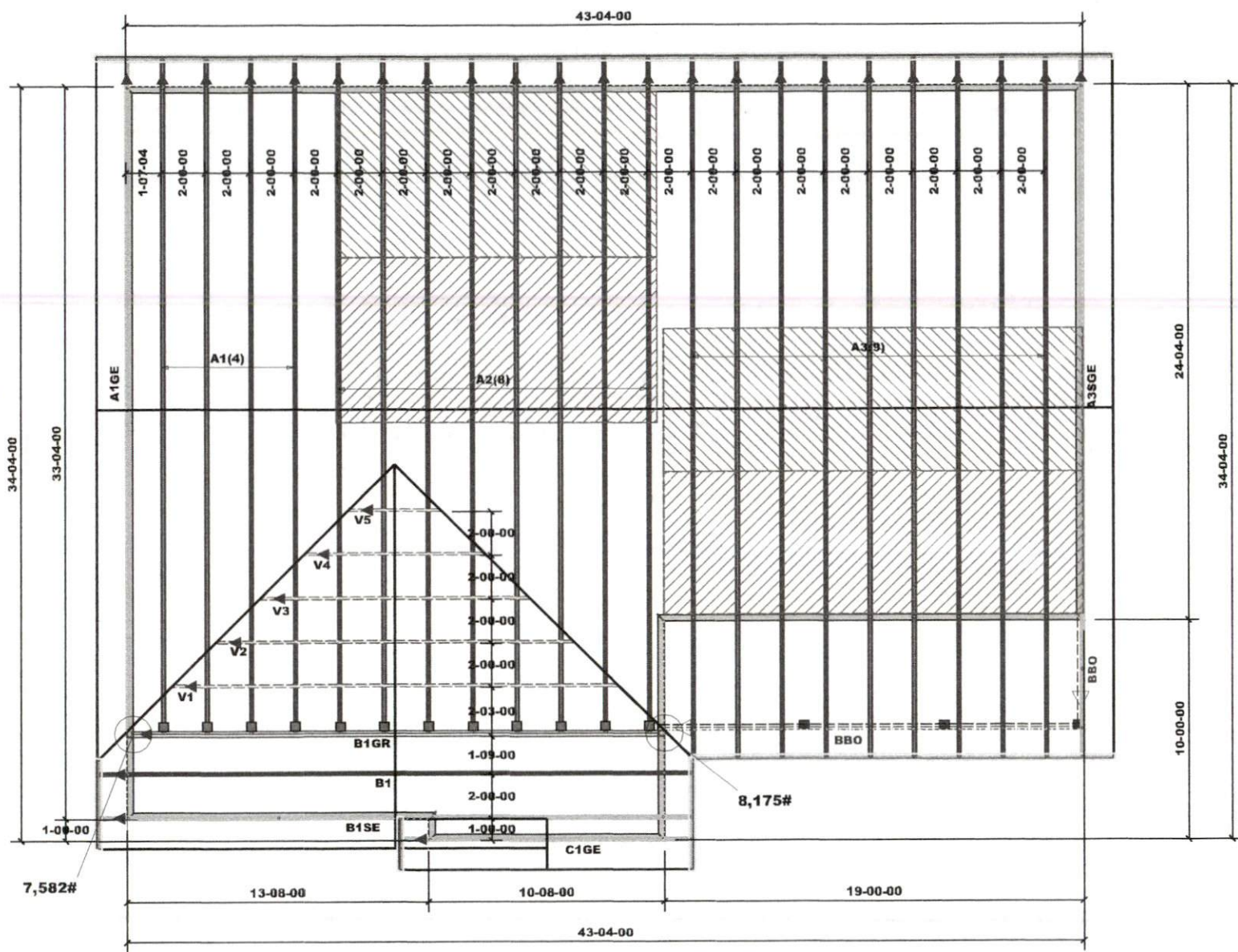
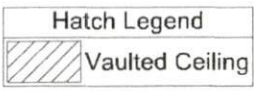


4722 McNeill Hobbs Rd
Linden



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



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

Truss Placement Plan
 SCALE: NTS

comtech
ROOF & FLOOR TRUSSES & BEAMS
 Rellly Road Industrial Park
 Fayetteville, N.C. 28309
 Phone: (910) 864-8767
 Fax: (910) 864-4444

Showing machine line start or end for 200# or 250# or 300# or 350# or 400# or 450# or 500# or 550# or 600# or 650# or 700# or 750# or 800# or 850# or 900# or 950# or 1000# or 1100# or 1200# or 1300# or 1400# or 1500# or 1600# or 1700# or 1800# or 1900# or 2000# or 2100# or 2200# or 2300# or 2400# or 2500# or 2600# or 2700# or 2800# or 2900# or 3000# or 3100# or 3200# or 3300# or 3400# or 3500# or 3600# or 3700# or 3800# or 3900# or 4000# or 4100# or 4200# or 4300# or 4400# or 4500# or 4600# or 4700# or 4800# or 4900# or 5000# or 5100# or 5200# or 5300# or 5400# or 5500# or 5600# or 5700# or 5800# or 5900# or 6000# or 6100# or 6200# or 6300# or 6400# or 6500# or 6600# or 6700# or 6800# or 6900# or 7000# or 7100# or 7200# or 7300# or 7400# or 7500# or 7600# or 7700# or 7800# or 7900# or 8000# or 8100# or 8200# or 8300# or 8400# or 8500# or 8600# or 8700# or 8800# or 8900# or 9000# or 9100# or 9200# or 9300# or 9400# or 9500# or 9600# or 9700# or 9800# or 9900# or 10000# or 10100# or 10200# or 10300# or 10400# or 10500# or 10600# or 10700# or 10800# or 10900# or 11000# or 11100# or 11200# or 11300# or 11400# or 11500# or 11600# or 11700# or 11800# or 11900# or 12000# or 12100# or 12200# or 12300# or 12400# or 12500# or 12600# or 12700# or 12800# or 12900# or 13000# or 13100# or 13200# or 13300# or 13400# or 13500# or 13600# or 13700# or 13800# or 13900# or 14000# or 14100# or 14200# or 14300# or 14400# or 14500# or 14600# or 14700# or 14800# or 14900# or 15000# or 15100# or 15200# or 15300# or 15400# or 15500# or 15600# or 15700# or 15800# or 15900# or 16000# or 16100# or 16200# or 16300# or 16400# or 16500# or 16600# or 16700# or 16800# or 16900# or 17000# or 17100# or 17200# or 17300# or 17400# or 17500# or 17600# or 17700# or 17800# or 17900# or 18000# or 18100# or 18200# or 18300# or 18400# or 18500# or 18600# or 18700# or 18800# or 18900# or 19000# or 19100# or 19200# or 19300# or 19400# or 19500# or 19600# or 19700# or 19800# or 19900# or 20000# or 20100# or 20200# or 20300# or 20400# or 20500# or 20600# or 20700# or 20800# or 20900# or 21000# or 21100# or 21200# or 21300# or 21400# or 21500# or 21600# or 21700# or 21800# or 21900# or 22000# or 22100# or 22200# or 22300# or 22400# or 22500# or 22600# or 22700# or 22800# or 22900# or 23000# or 23100# or 23200# or 23300# or 23400# or 23500# or 23600# or 23700# or 23800# or 23900# or 24000# or 24100# or 24200# or 24300# or 24400# or 24500# or 24600# or 24700# or 24800# or 24900# or 25000# or 25100# or 25200# or 25300# or 25400# or 25500# or 25600# or 25700# or 25800# or 25900# or 26000# or 26100# or 26200# or 26300# or 26400# or 26500# or 26600# or 26700# or 26800# or 26900# or 27000# or 27100# or 27200# or 27300# or 27400# or 27500# or 27600# or 27700# or 27800# or 27900# or 28000# or 28100# or 28200# or 28300# or 28400# or 28500# or 28600# or 28700# or 28800# or 28900# or 29000# or 29100# or 29200# or 29300# or 29400# or 29500# or 29600# or 29700# or 29800# or 29900# or 30000# or 30100# or 30200# or 30300# or 30400# or 30500# or 30600# or 30700# or 30800# or 30900# or 31000# or 31100# or 31200# or 31300# or 31400# or 31500# or 31600# or 31700# or 31800# or 31900# or 32000# or 32100# or 32200# or 32300# or 32400# or 32500# or 32600# or 32700# or 32800# or 32900# or 33000# or 33100# or 33200# or 33300# or 33400# or 33500# or 33600# or 33700# or 33800# or 33900# or 34000# or 34100# or 34200# or 34300# or 34400# or 34500# or 34600# or 34700# or 34800# or 34900# or 35000# or 35100# or 35200# or 35300# or 35400# or 35500# or 35600# or 35700# or 35800# or 35900# or 36000# or 36100# or 36200# or 36300# or 36400# or 36500# or 36600# or 36700# or 36800# or 36900# or 37000# or 37100# or 37200# or 37300# or 37400# or 37500# or 37600# or 37700# or 37800# or 37900# or 38000# or 38100# or 38200# or 38300# or 38400# or 38500# or 38600# or 38700# or 38800# or 38900# or 39000# or 39100# or 39200# or 39300# or 39400# or 39500# or 39600# or 39700# or 39800# or 39900# or 40000# or 40100# or 40200# or 40300# or 40400# or 40500# or 40600# or 40700# or 40800# or 40900# or 41000# or 41100# or 41200# or 41300# or 41400# or 41500# or 41600# or 41700# or 41800# or 41900# or 42000# or 42100# or 42200# or 42300# or 42400# or 42500# or 42600# or 42700# or 42800# or 42900# or 43000# or 43100# or 43200# or 43300# or 43400# or 43500# or 43600# or 43700# or 43800# or 43900# or 44000# or 44100# or 44200# or 44300# or 44400# or 44500# or 44600# or 44700# or 44800# or 44900# or 45000# or 45100# or 45200# or 45300# or 45400# or 45500# or 45600# or 45700# or 45800# or 45900# or 46000# or 46100# or 46200# or 46300# or 46400# or 46500# or 46600# or 46700# or 46800# or 46900# or 47000# or 47100# or 47200# or 47300# or 47400# or 47500# or 47600# or 47700# or 47800# or 47900# or 48000# or 48100# or 48200# or 48300# or 48400# or 48500# or 48600# or 48700# or 48800# or 48900# or 49000# or 49100# or 49200# or 49300# or 49400# or 49500# or 49600# or 49700# or 49800# or 49900# or 50000# or 50100# or 50200# or 50300# or 50400# or 50500# or 50600# or 50700# or 50800# or 50900# or 51000# or 51100# or 51200# or 51300# or 51400# or 51500# or 51600# or 51700# or 51800# or 51900# or 52000# or 52100# or 52200# or 52300# or 52400# or 52500# or 52600# or 52700# or 52800# or 52900# or 53000# or 53100# or 53200# or 53300# or 53400# or 53500# or 53600# or 53700# or 53800# or 53900# or 54000# or 54100# or 54200# or 54300# or 54400# or 54500# or 54600# or 54700# or 54800# or 54900# or 55000# or 55100# or 55200# or 55300# or 55400# or 55500# or 55600# or 55700# or 55800# or 55900# or 56000# or 56100# or 56200# or 56300# or 56400# or 56500# or 56600# or 56700# or 56800# or 56900# or 57000# or 57100# or 57200# or 57300# or 57400# or 57500# or 57600# or 57700# or 57800# or 57900# or 58000# or 58100# or 58200# or 58300# or 58400# or 58500# or 58600# or 58700# or 58800# or 58900# or 59000# or 59100# or 59200# or 59300# or 59400# or 59500# or 59600# or 59700# or 59800# or 59900# or 60000# or 60100# or 60200# or 60300# or 60400# or 60500# or 60600# or 60700# or 60800# or 60900# or 61000# or 61100# or 61200# or 61300# or 61400# or 61500# or 61600# or 61700# or 61800# or 61900# or 62000# or 62100# or 62200# or 62300# or 62400# or 62500# or 62600# or 62700# or 62800# or 62900# or 63000# or 63100# or 63200# or 63300# or 63400# or 63500# or 63600# or 63700# or 63800# or 63900# or 64000# or 64100# or 64200# or 64300# or 64400# or 64500# or 64600# or 64700# or 64800# or 64900# or 65000# or 65100# or 65200# or 65300# or 65400# or 65500# or 65600# or 65700# or 65800# or 65900# or 66000# or 66100# or 66200# or 66300# or 66400# or 66500# or 66600# or 66700# or 66800# or 66900# or 67000# or 67100# or 67200# or 67300# or 67400# or 67500# or 67600# or 67700# or 67800# or 67900# or 68000# or 68100# or 68200# or 68300# or 68400# or 68500# or 68600# or 68700# or 68800# or 68900# or 69000# or 69100# or 69200# or 69300# or 69400# or 69500# or 69600# or 69700# or 69800# or 69900# or 70000# or 70100# or 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Signature: *Bob Lewis*
 Bob Lewis

LOAD CHART FOR JACK STUDS
 (BASED ON TABLES 802.0-1 & 8-10)
 NUMBER OF JACK STUDS REQUIRED = 4 x END OF MEMBER

MEMBER SIZE (IN)	SPACING (IN)	MAX. LOAD (LB)	MEMBER SIZE (IN)	SPACING (IN)	MAX. LOAD (LB)
1700	1	29500	1	3400	1
3400	2	59000	2	6800	2
5100	3	88500	3	10200	3
6800	4	118000	4	13600	4
8500	5	147500	5	17000	5
10200	6	177000	6	20400	6
11900	7	196500	7	23800	7
13600	8	216000	8	27200	8
15300	9	235500	9	30600	9

CITY / CO.	Site Address - City / Harnett
ADDRESS	Site Address
MODEL	Roof
DATE REV.	05/09/24
DRAWN BY	Bob Lewis
SALES REP.	Bob Lewis

BUILDER	Thomas Prop. of Harnett Co.
JOB NAME	The Dogwood RH
PLAN	Plan
SEAL DATE	Seal Date
QUOTE #	Quote #
JOB #	J0524-2732

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. No individual design advice for each truss is provided on this placement drawing. The building designer is responsible for specifying and performing bracing of the roof and floor system and for the overall structure. The design of the most important structural bracing members, beams, girders, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult EC304 and EC305 provisions with the most restrictive provisions or refer to the building code.

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

Job J0524-2732	Truss A1	Truss Type Common	Qty 4	Ply 1	The Dogwood RH Job Reference (optional)
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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:1dgNlW8C2G_cfA_90RQW6zltmO-s81leRt5Zc00_lp5?j53_7MP5r_cymMOlxWADMzIHqU



Scale: 1/4"=1'

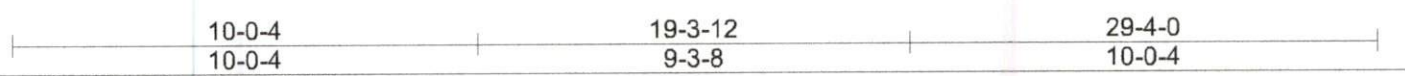
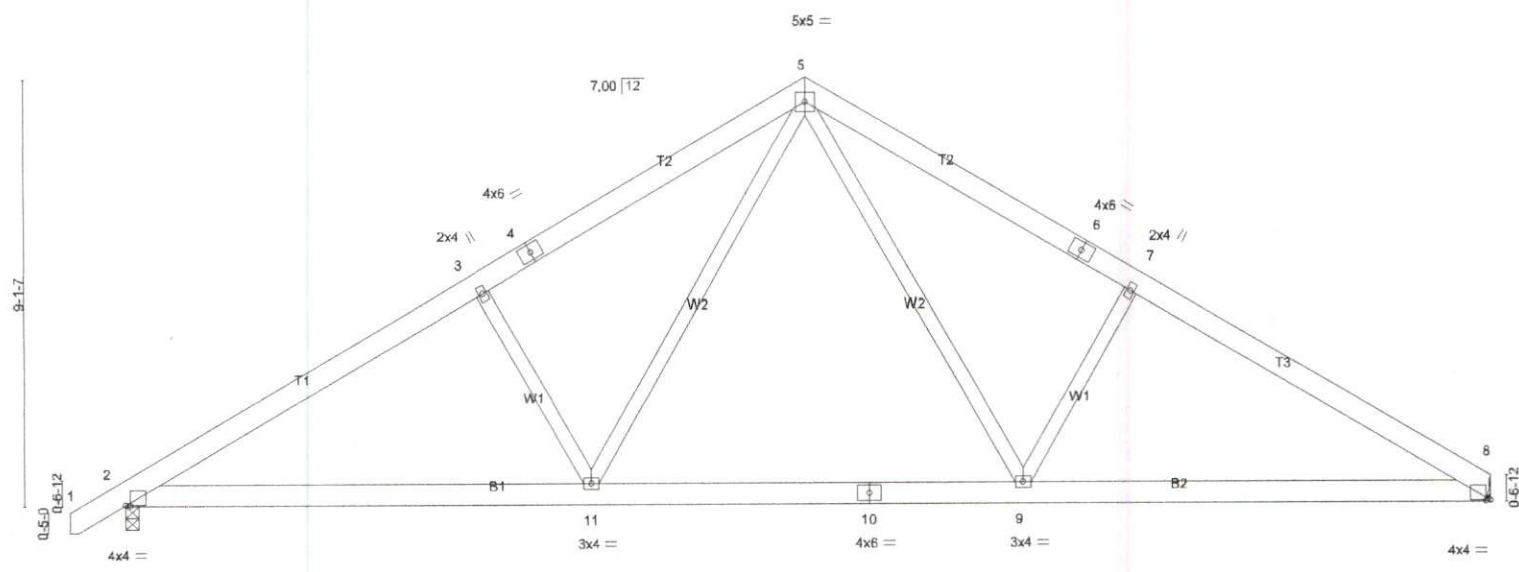


Plate Offsets (X,Y)-- [2:0-1-2,0,0-2], [8:0-1-2,0,0-2]

LOADING (psf)	SPACING- 2-0-0	CSL	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.20	Vert(LL) -0.14 9-11 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.38	Vert(CT) -0.19 9-11 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.22	Horz(CT) 0.03 8 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.04 9-17 >999 240		
				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; 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 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 R602.10.2 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

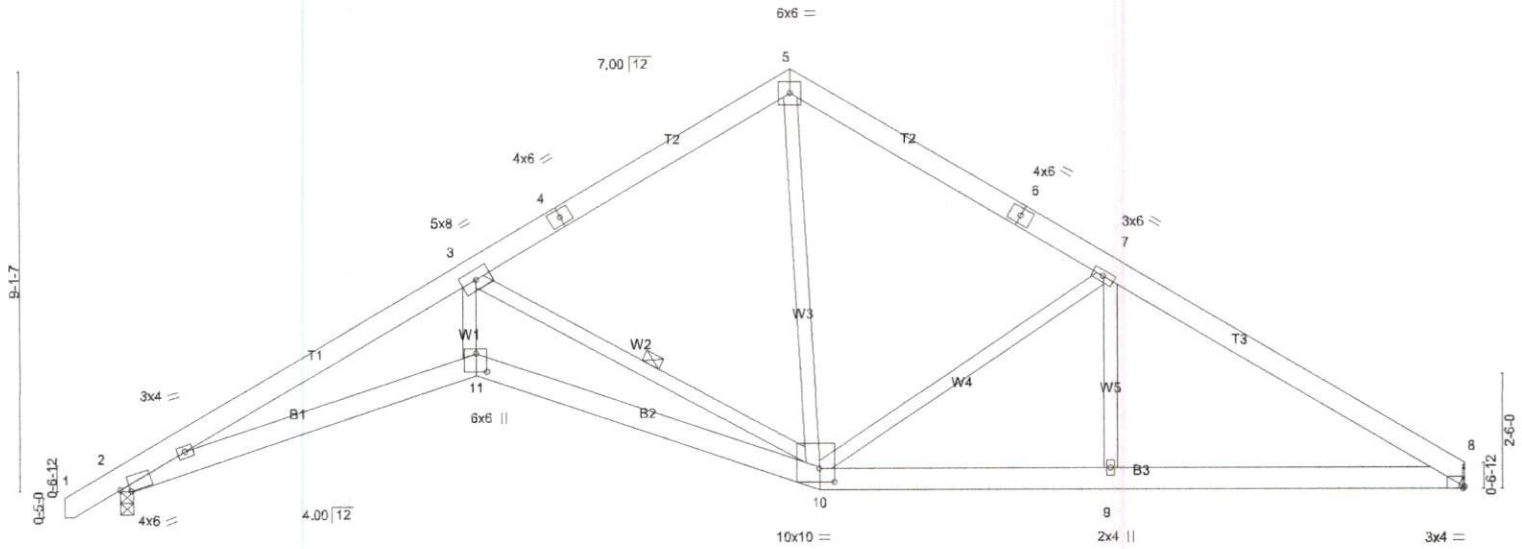
Job J0524-2732	Truss A2	Truss Type Roof Special	Qty 8	Ply 1	The Dogwood RH Job Reference (optional)
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Comtech, Inc., Fayetteville, NC 28309, David Simonson

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:1dgWlw8C2G_cfA_90RQW6zltmO-pX9237vL5DGkD3zT688X3YRkbfGQVAgIF?HIEzIHqS

-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



7-9-8	15-3-8	21-7-10	29-4-0
7-9-8	7-6-0	6-4-2	7-8-6

Plate Offsets (X,Y)-- [2:0-2-10,0-1-3], [8:0-0-6,Edge], [10:0-4-0,0-3-8], [11:0-4-12,0-2-12]

LOADING (psf)	SPACING- 2-0-0	CSL	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.26	Vert(LL) -0.19 11 >999 360	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.49	Vert(CT) -0.39 10-11 >914 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.90	Horz(CT) 0.23 8 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.14 11 >999 240		
				Weight: 199 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.
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-

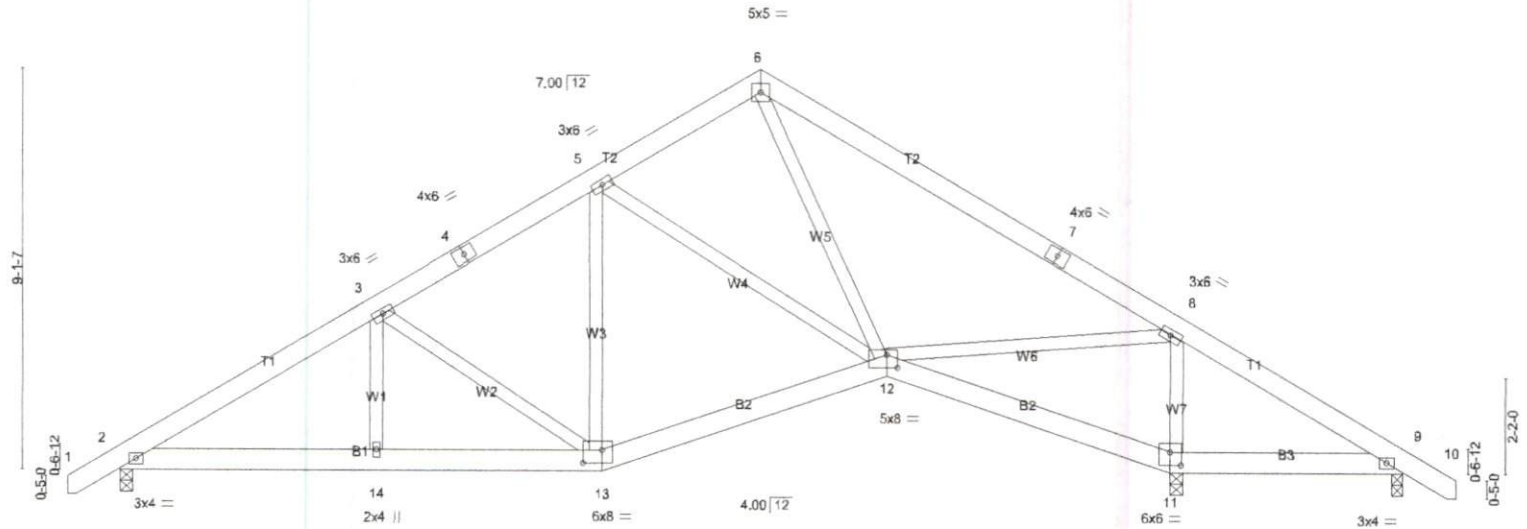
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 14-8-0, Exterior(2) 14-8-0 to 19-0-13, Interior(1) 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
- 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) Refer to girder(s) for truss to truss connections.
- 6) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
- 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.
- 9) 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		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:1dgIWlW8C2G_cfA_90RQW6zltmO-pX9237vL5DGkD3zT688X3YRkmfj8QdtglF?HIEZlHqS			

-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-	CSL	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 Horz 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.

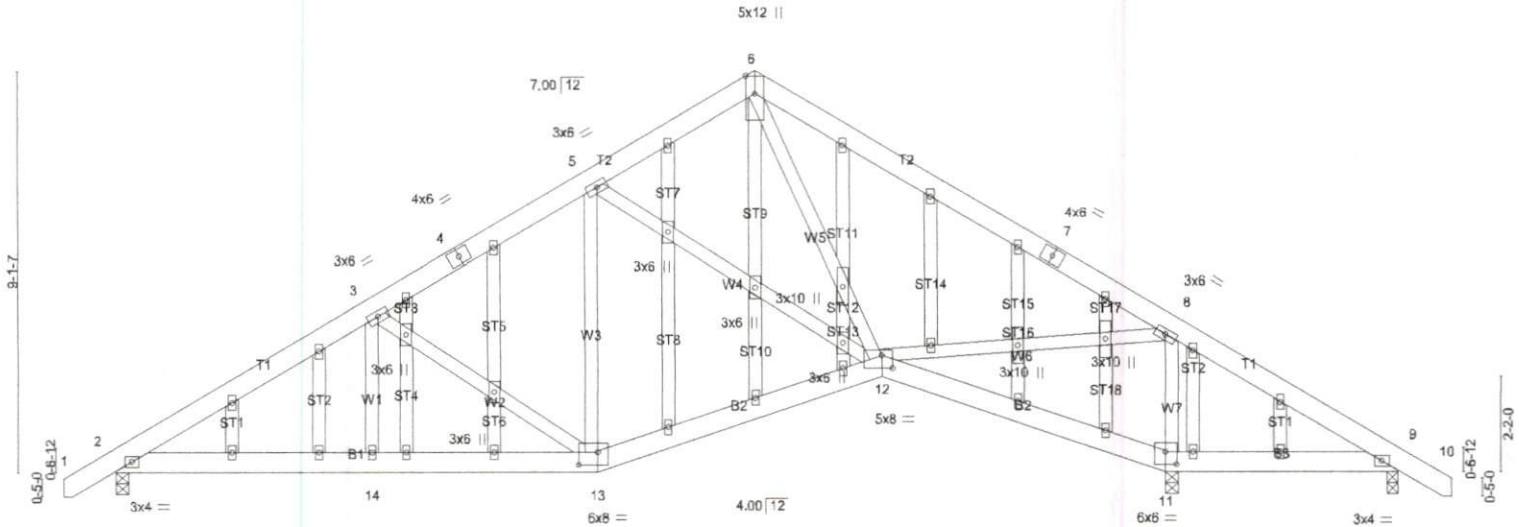
LOAD CASE(S) Standard

Job J0524-2732	Truss A3SGE	Truss Type GABLE	Qty 1	Ply 1	The Dogwood RH
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 09:23:46 2024 Page 1
ID:1dglWlw8C2G_cfA_90RQW6zltmO-HjjQGTwzXOarDYggfmbm_uW33N947q_vlqhzHqR

-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-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/def 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) 0.03 14 >999 240		
				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=29/0-3-0 (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; TCDL=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 (jt=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 B1GR	Truss Type Common Girder	Qty 1	Ply 2	The Dogwood RH Job Reference (optional)
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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
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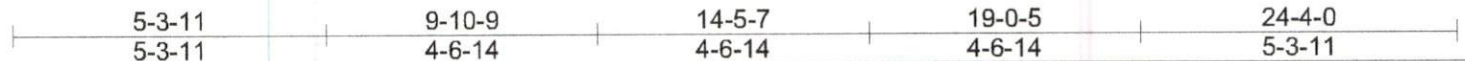
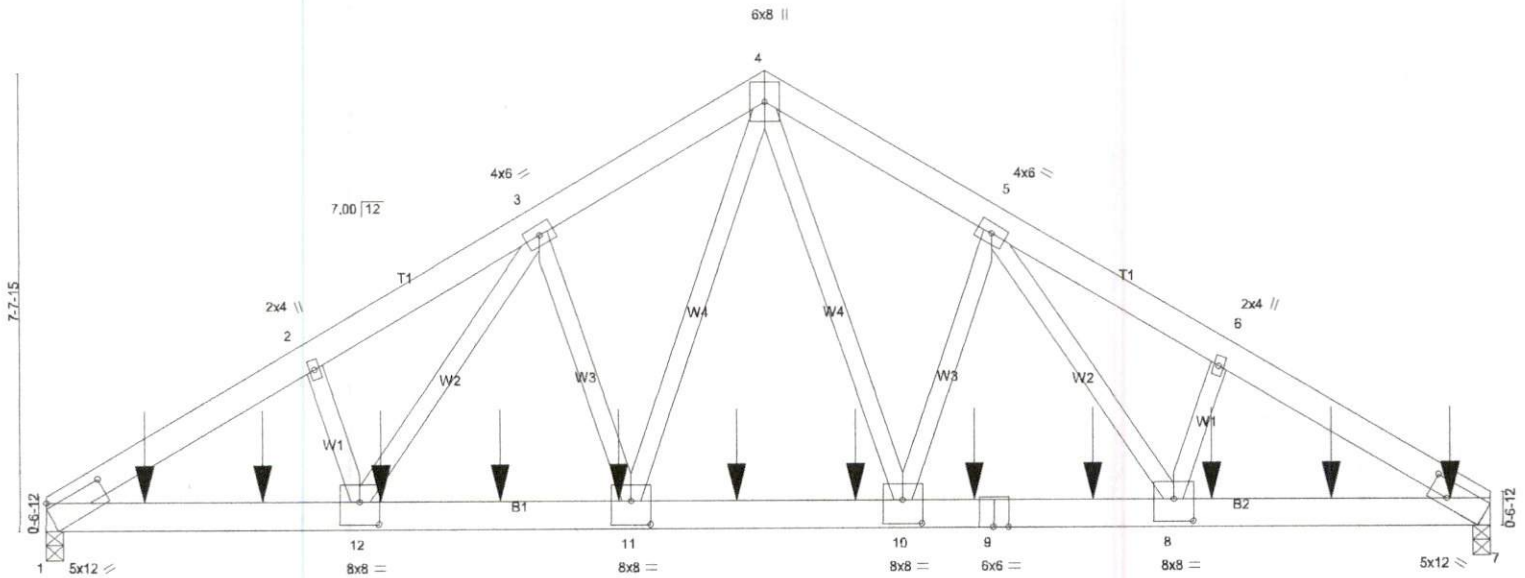


Plate Offsets (X,Y)-- [1:0-11-6,0-1-0], [7:0-3-13,0-3-7], [8:0-4-0,0-4-8], [10:0-4-0,0-4-12], [11:0-4-0,0-4-12], [12:0-4-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.32	Vert(LL) -0.12	10-11	>999	360	MT20	244/190	
TCDL 10.0	Lumber DOL 1.15	BC 0.56	Vert(CT) -0.24	10-11	>999	240			
BCLL 0.0 *	Rep Stress Incr NO	WB 0.58	Horz(CT) 0.08	7	n/a	n/a			
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	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; TCDL=6.0psf; BCDL=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.

Continued on page 2

Job J0524-2732	Truss B1GR	Truss Type Common Girder	Qty 1	Ply 2	The Dogwood RH Job Reference (optional)
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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 2
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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)

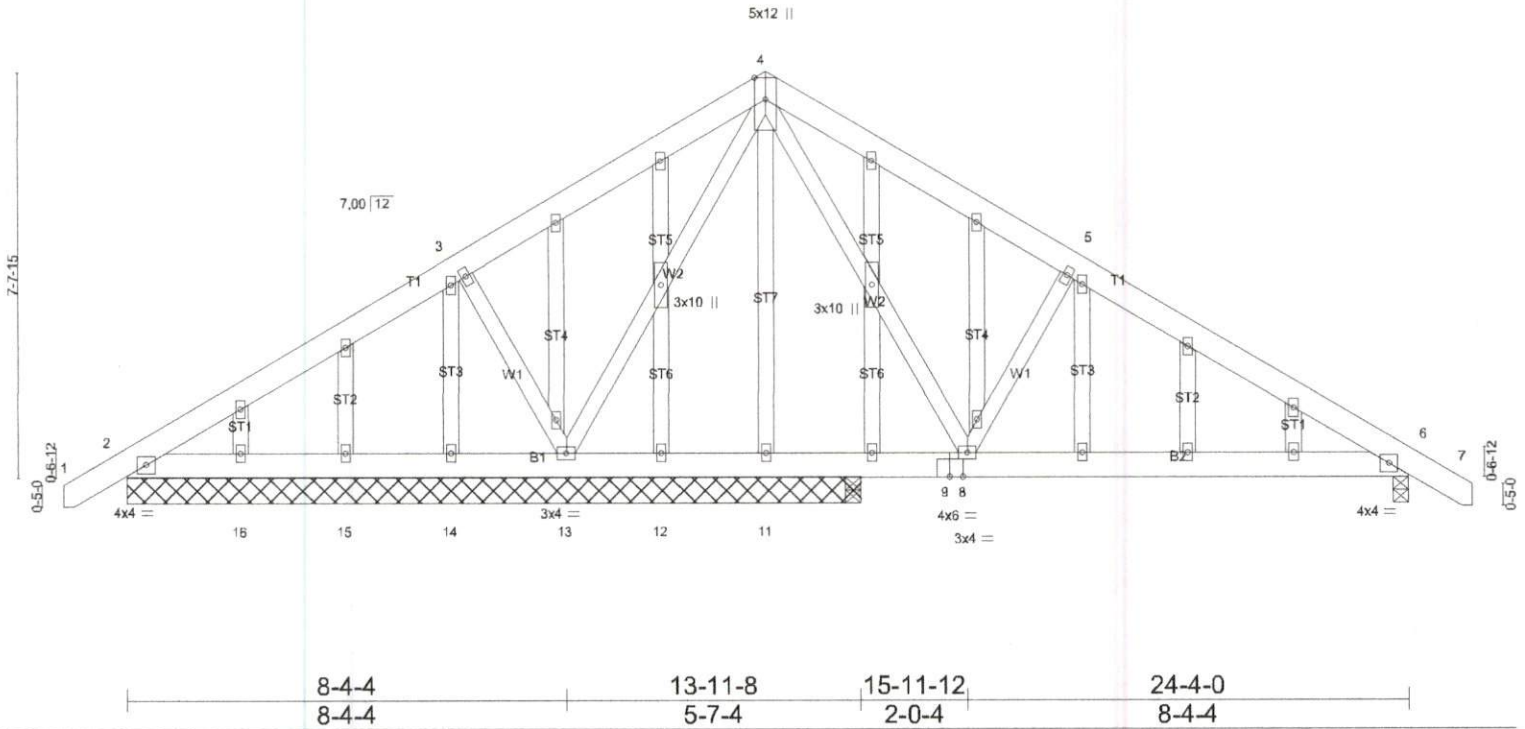
Vert: 11=-1152(B) 18=-1155(B) 21=-1152(B) 22=-1152(B) 23=-1152(B) 24=-1152(B) 25=-1152(B) 26=-1152(B) 27=-1152(B) 28=-1152(B) 29=-1152(B) 30=-1152(B)

Job J0524-2732	Truss B1SE	Truss Type COMMON STRUCTURAL1GA	Qty 1	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 09:23:48 2024 Page 1
 ID:1dgWlw8C2G_cfA_90RQW6zltmO-D6rAh9xE08eI4Xh2oGhEhB3GjskndxH7RDExvZzIHqP

1-2-8	6-5-6	12-2-0	17-10-10	24-4-0	25-6-8
1-2-8	6-5-6	5-8-10	5-8-10	6-5-6	1-2-8

Scale = 1:42.6



	8-4-4	13-11-8	15-11-12	24-4-0	
	8-4-4	5-7-4	2-0-4	8-4-4	
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.14	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 (l=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

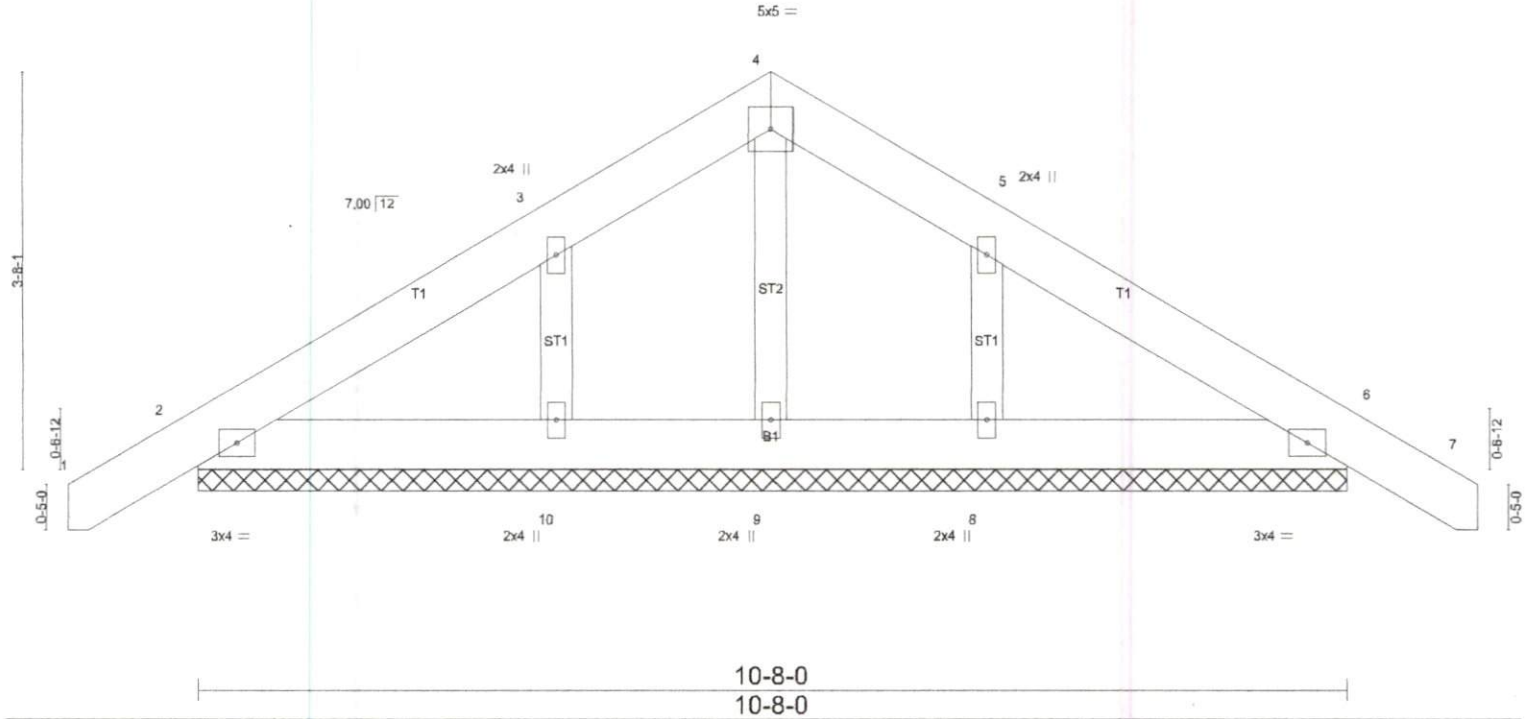
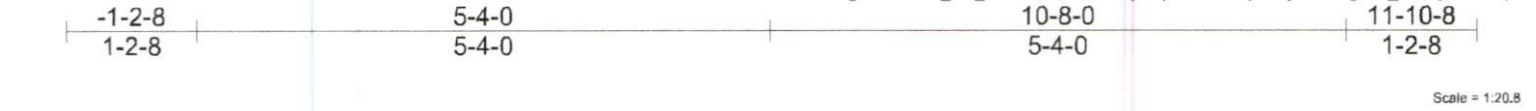
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-1-5 to 3-3-8, Interior(1) 3-3-8 to 12-2-0, Exterior(2) 12-2-0 to 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 (l=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 Job Reference (optional)
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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
ID:1dglWlw8C2G_cfA_90RQW6zltmO-9Uyx6qzUwmu0JqrRvhjmc8evgSk5_6PvXj2zSzlHqN



LOADING (psf)	SPACING- 2-0-0	CSL	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 Structural wood sheathing directly applied or 6-0-0 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. 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; TC DL=6.0psf; BC DL=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 (l=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

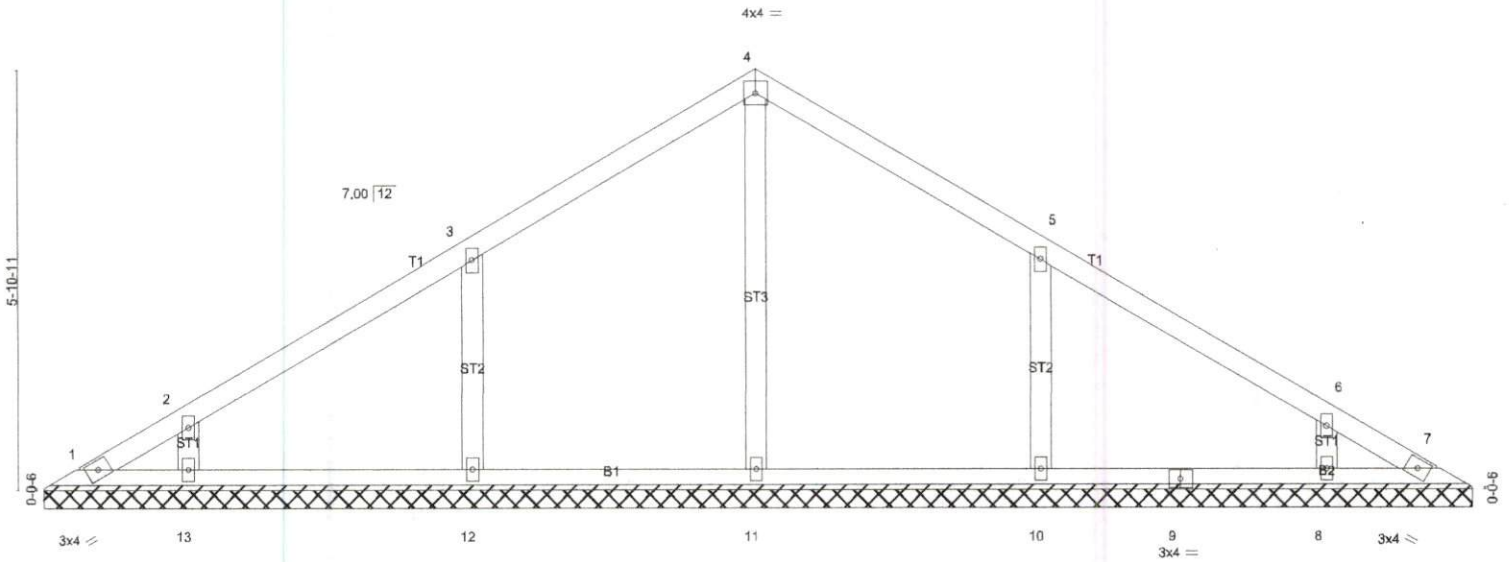
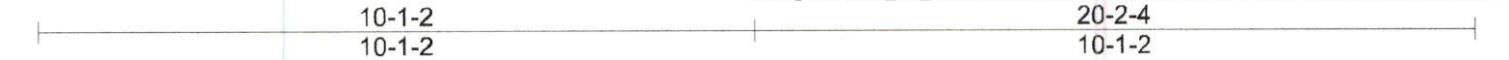


Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0]

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

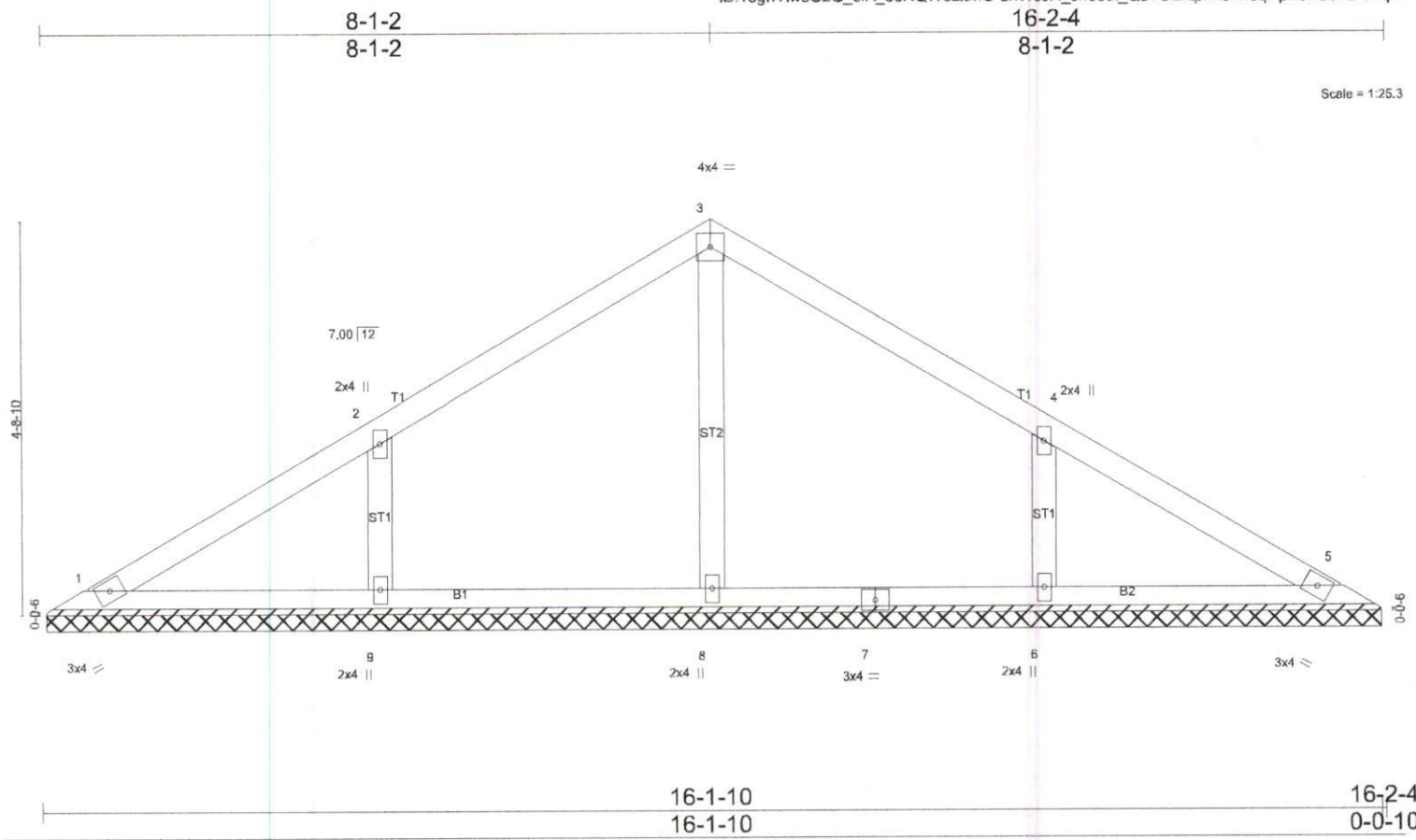
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. 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-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-6-12 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
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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) 1, 7, 12, 13, 10, 8.
 - 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



Scale = 1:25.3

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

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/def	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 Structural wood sheathing directly applied or 6-0-0 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. 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

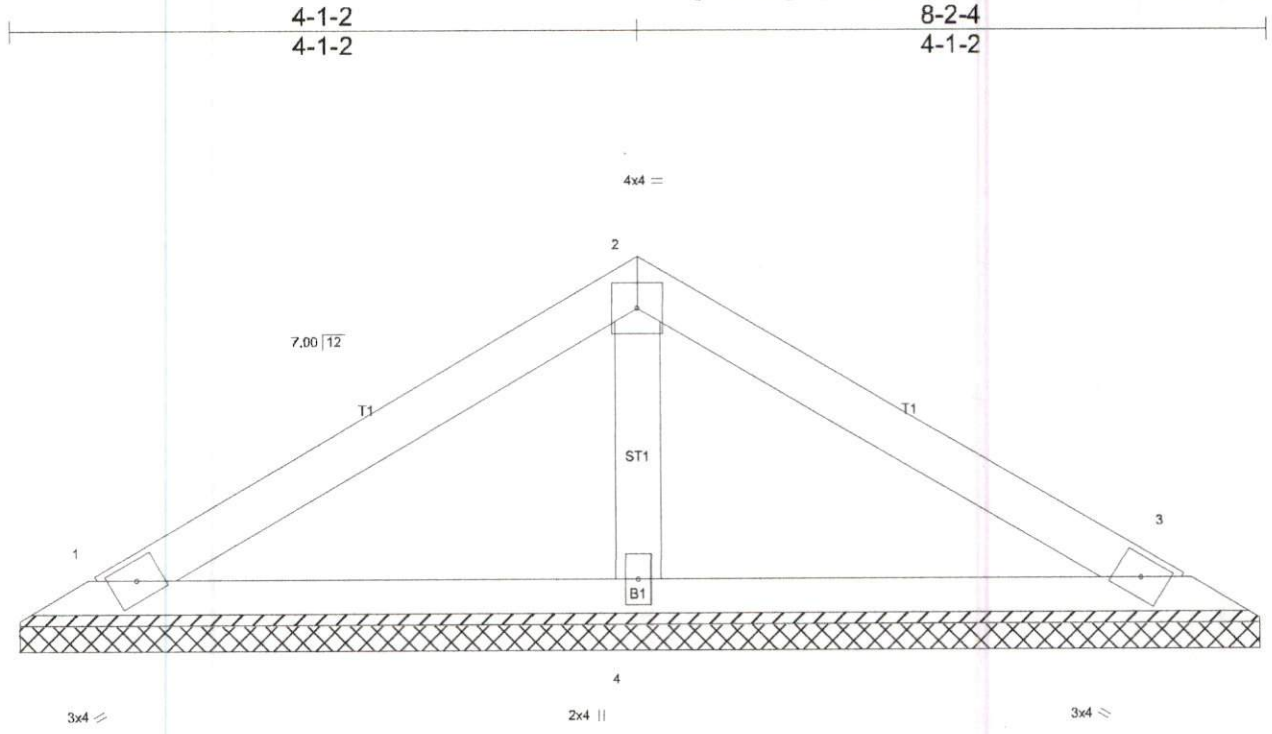
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) 0-6-12 to 4-11-9, Interior(1) 4-11-9 to 8-1-2, Exterior(2) 8-1-2 to 12-5-15, 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
 - 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, 9, 6.
 - 7) 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.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 27 lb	FT = 25%
	Code IRC2015/TPI2014							

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

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

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 R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

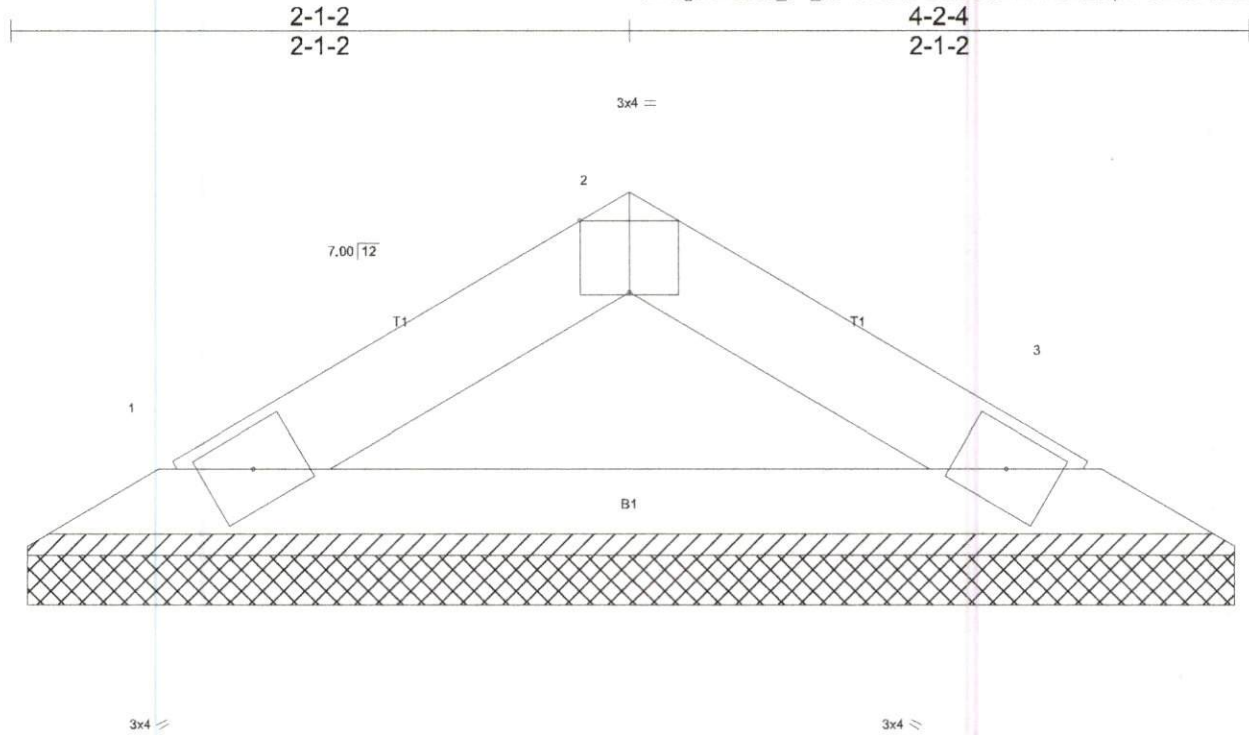
LOAD CASE(S) Standard

Job J0524-2732	Truss V5	Truss Type VALLEY	Qty 1	Ply 1	The Dogwood RH
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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 09:23:53 2024 Page 1
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Scale = 1:7.6

4-1-10 4-2-4
4-1-10 0-0-10

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.03	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 0.00	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P						
	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-

- 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.
- 7) 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