

Builder:			
City of GP			
Site Address:			
Scale:	Date:	Designer:	Job Number
NTS	5/17/2022	Jon Stutzman	220364

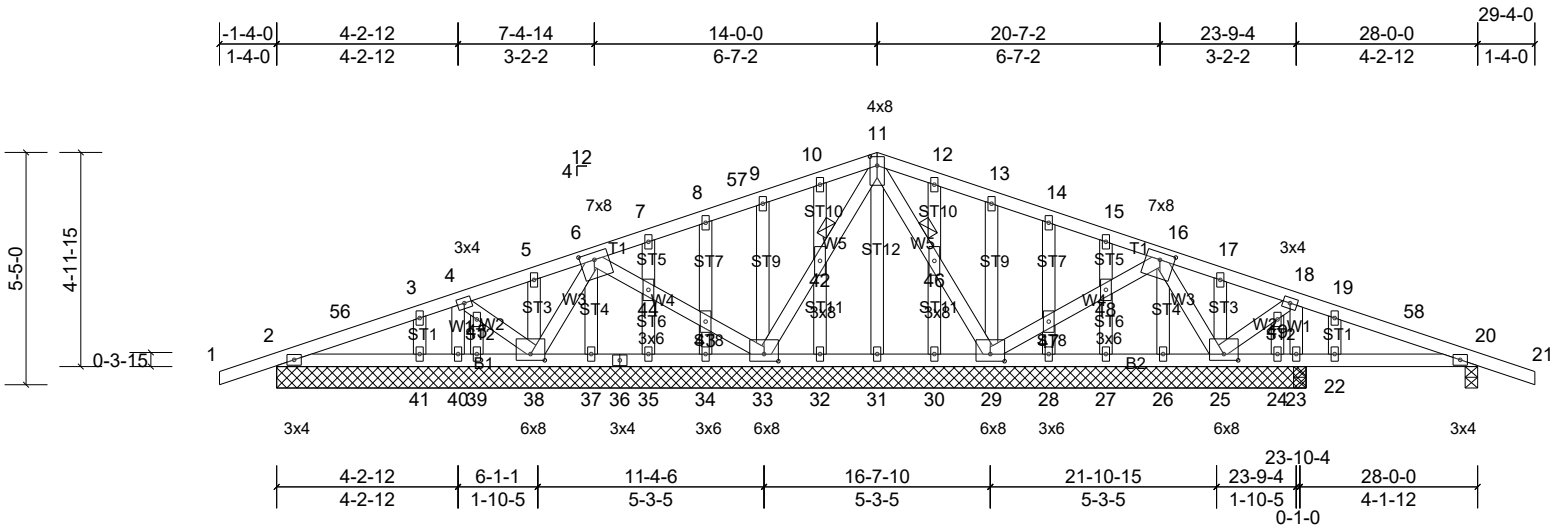
Job 220364-A	Truss A1	Truss Type Common Structural Gable	Qty 2	Ply 1	City of GP Job Reference (optional)
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Rogue Truss Systems, Grants Pass, Billy Allen

Run: 8.53 S Jan 25 2022 Print: 8.530 S Jan 25 2022 MiTek Industries, Inc. Tue May 17 08:08:08

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Scale = 1:53.9

Plate Offsets (X, Y): [6:0-4-0,0-2-0], [11:0-2-8,0-2-0], [16:0-4-0,0-2-0], [25:0-4-0,0-1-12], [29:0-4-0,0-2-0], [33:0-4-0,0-2-0], [38:0-4-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	-0.01	22-55	>999	360	MT20 220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.02	22-55	>999	240	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	20	n/a	n/a	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.01	22-55	>999	240	Weight: 178 lb FT = 20%

LUMBER

TOP CHORD 2x4 DF No.1&Btr G
 BOT CHORD 2x4 DF No.1&Btr G
 WEBS 2x4 DF Std G
 OTHERS 2x4 DF Std G

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.
 JOINTS 1 Brace at Jt(s): 42, 46

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

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable studs spaced at 1-4-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- 8) A plate rating reduction of 20% has been applied for the green lumber members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 40, 32, 33, 34, 35, 37, 38, 41, 30, 29, 28, 27, 25 except (jt=lb) 2=109, 20=129, 24=207, 23=136, 2=109.

REACTIONS All bearings 24-0-0. except 20=0-3-8, 23=0-3-8 (lb) - Max Horiz 2=-98 (LC 13), 50=-98 (LC 13)
 Max Uplift All uplift 100 (lb) or less at joint(s) 25, 27, 28, 29, 30, 32, 33, 34, 35, 37, 38, 40, 41 except 2=-110 (LC 8), 20=-130 (LC 9), 23=-137 (LC 13), 24=-207 (LC 1), 50=-110 (LC 8)
 Max Grav All reactions 250 (lb) or less at joint (s) 2, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 50 except 20=253 (LC 26), 23=462 (LC 26), 41=258 (LC 25)

LOAD CASE(S) Standard

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 7-16; Vult=120mph (3-second gust) V (IRC2012)=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior (1) 1-8-0 to 13-11-1, Exterior(2R) 13-11-1 to 16-8-0, Interior (1) 16-8-0 to 29-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33

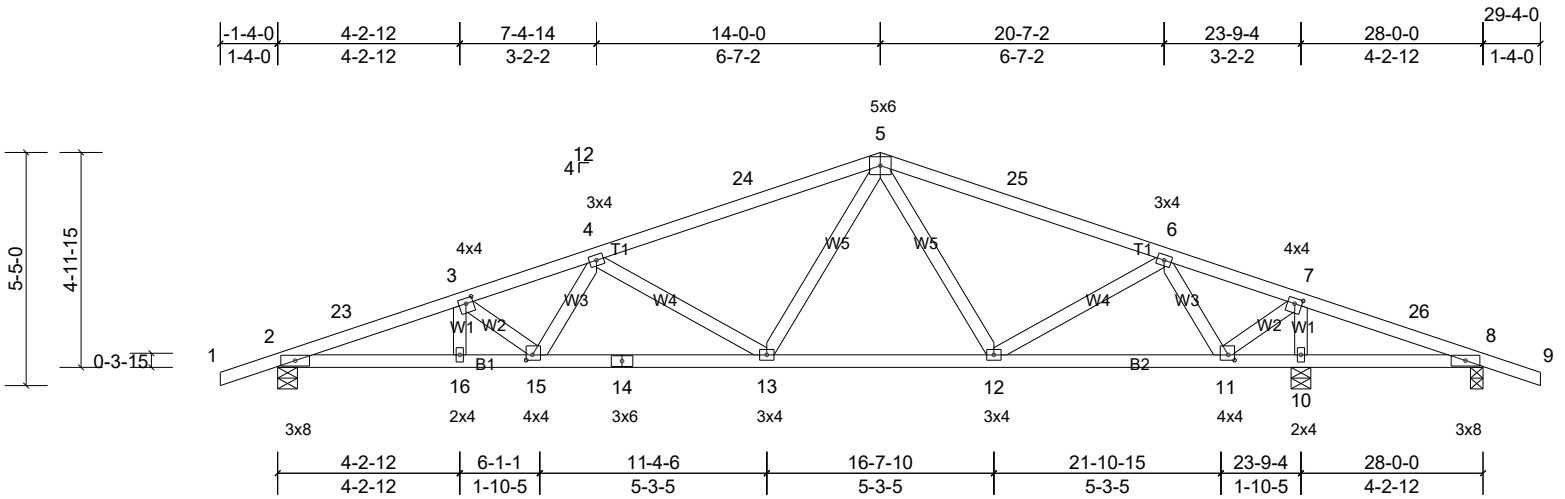
Job 220364-A	Truss A2	Truss Type Common	Qty 11	Ply 1	City of GP Job Reference (optional)
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Rogue Truss Systems, Grants Pass, Billy Allen

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Scale = 1:53.8

Plate Offsets (X, Y): [3:0-2-0,0-1-8], [7:0-2-0,0-1-8], [11:0-1-12,0-1-8], [15:0-1-12,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.08	13-15	>999	360	MT20 220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.22	13-15	>999	240	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.05	10	n/a	n/a	
BCDL	10.0	Code	IRC2021/TP12014	Matrix-MS		Wind(LL)	0.07	13-15	>999	240	Weight: 124 lb FT = 20%

LUMBER
 TOP CHORD 2x4 DF No.1&Btr G
 BOT CHORD 2x4 DF No.1&Btr G
 WEBS 2x4 DF Std G

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size)
 2=1024/0-5-8, (min. 0-1-8),
 8=74/0-3-8, (min. 0-1-8),
 10=1573/0-5-8, (min. 0-1-11)
 Max Horiz 2=-98 (LC 13)
 Max Uplift 2=-307 (LC 8), 8=-174 (LC 25),
 10=-324 (LC 9)
 Max Grav 2=1024 (LC 1), 8=49 (LC 26),
 10=1573 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-23=-2328/630, 3-23=-2299/636,
 3-4=-2139/613, 4-24=-1466/447,
 5-24=-1394/455, 5-25=-1048/367,
 6-25=-1121/359, 6-7=-259/111,
 7-26=-241/1001, 8-26=-245/950
 BOT CHORD 2-16=-547/2181, 15-16=-547/2181,
 14-15=-488/1904, 13-14=-488/1904,
 12-13=-198/1058, 11-12=-160/649,
 10-11=-912/293, 8-10=-912/293
 WEBS 4-15=0/284, 4-13=-703/309, 5-13=-116/558,
 6-12=-60/475, 6-11=-983/337,
 7-10=-1426/403, 7-11=-354/1389

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

- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) V (IRC2012)=95mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior (1) 1-8-0 to 14-0-0, Exterior(2R) 14-0-0 to 17-0-0, Interior (1) 17-0-0 to 29-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
- 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 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 1-00-00 wide will fit between the bottom chord and any other members.
- 5) A plate rating reduction of 20% has been applied for the green lumber members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 2, 324 lb uplift at joint 10 and 174 lb uplift at joint 8.

LOAD CASE(S) Standard