

Builder:			
City of GP			
Site Address:			
Scale:	Date:	Designer:	Job Number
NTS	5/23/2022	Jon Stutzman	220393

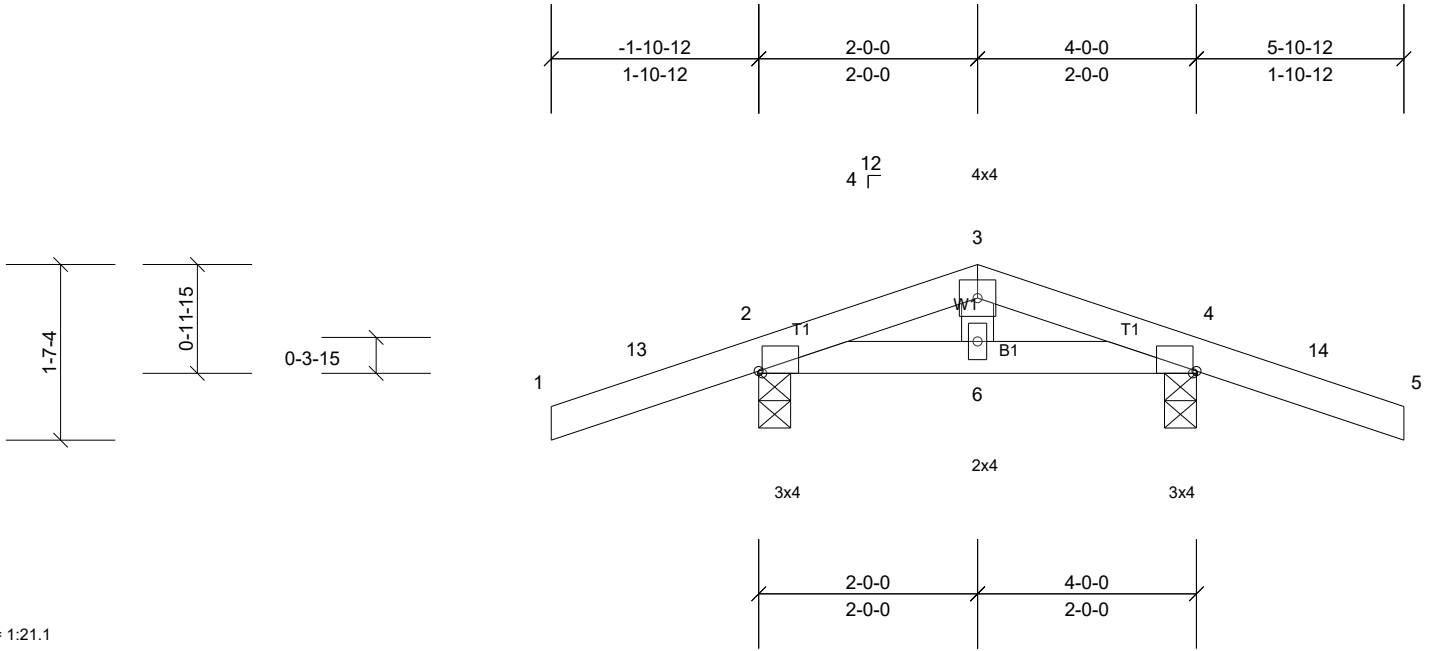
Job 220393-A	Truss A1	Truss Type Common	Qty 1	Ply 1	City of GP Job Reference (optional)
-----------------	-------------	----------------------	----------	----------	--

Rogue Truss Systems, Grants Pass, Billy Allen

Run: 8.53 S Jan 25 2022 Print: 8.530 S Jan 25 2022 MiTek Industries, Inc. Mon May 23 15:46:27

Page: 1

ID:TwpePHq9vyolbun\_6Ft1i7zDZ\_w-KwarsFRZ3tTsY0iPS7fyXf8kdkWmXWOybmMcCzDYGy



Scale = 1:21.1

Plate Offsets (X, Y): [2:0-0-6,Edge], [4:0-0-6,Edge]

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	0.19	Vert(LL)	0.00	9	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	6	>999	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP		Wind(LL)	0.00	9	>999	240	Weight: 17 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 4-0-0 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.

- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 2 and 154 lb uplift at joint 4.

**LOAD CASE(S)** Standard

**REACTIONS** (lb/size) 2=289/0-3-8, (min. 0-1-8),  
4=289/0-3-8, (min. 0-1-8)  
Max Horiz 2=-32 (LC 9)  
Max Uplift 2=-154 (LC 8), 4=-154 (LC 9)

**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 7-16; 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) -1-10-12 to 0-9-12, Interior (1) 0-9-12 to 2-0-0, Exterior(2R) 2-0-0 to 5-0-0, Interior (1) 5-0-0 to 5-10-12 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
  - 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 studs spaced at 1-4-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 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.

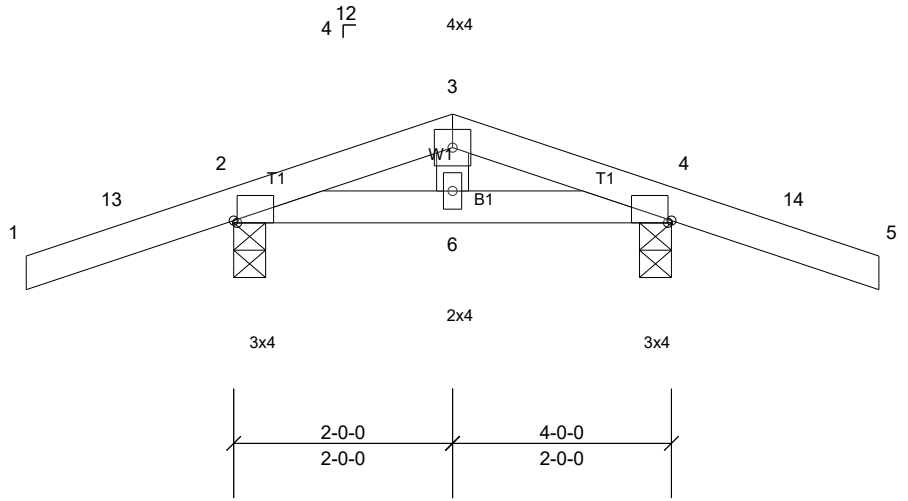
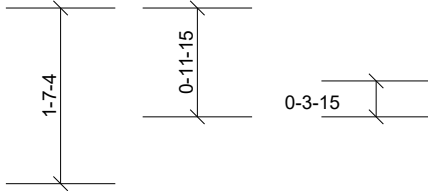
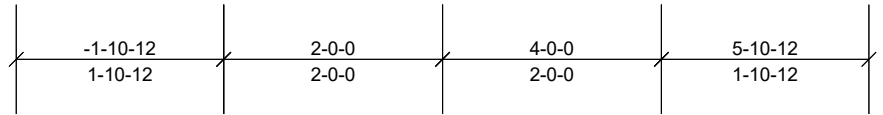
Job 220393-A	Truss A2	Truss Type Common	Qty 2	Ply 1	City of GP Job Reference (optional)
-----------------	-------------	----------------------	----------	----------	--

Rogue Truss Systems, Grants Pass, Billy Allen

Run: 8:53 S Jan 25 2022 Print: 8:530 S Jan 25 2022 MiTek Industries, Inc. Mon May 23 15:46:27

Page: 1

ID:wGoKJUdIGqis5IDRB4BGYRzDZ8E-o68D3bSBqBbjAAAGc0qBAUIBJT13kV\_mXAFVw8ezDYGx



Scale = 1:21.1

Plate Offsets (X, Y): [2:0-0-6,Edge], [4:0-0-6,Edge]

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	0.19	Vert(LL)	0.00	9	>999	360	MT20 220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	6	>999	240	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a	
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MP		Wind(LL)	0.00	9	>999	240	Weight: 17 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 4-0-0 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) 2=289/0-3-8, (min. 0-1-8),  
 4=289/0-3-8, (min. 0-1-8)

Max Horiz 2=-32 (LC 9)  
 Max Uplift 2=-154 (LC 8), 4=-154 (LC 9)

**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 7-16; 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) -1-10-12 to 0-9-12, Interior (1) 0-9-12 to 2-0-0, Exterior(2R) 2-0-0 to 5-0-0, Interior (1) 5-0-0 to 5-10-12 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
- 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 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 2 and 154 lb uplift at joint 4.

**LOAD CASE(S)** Standard

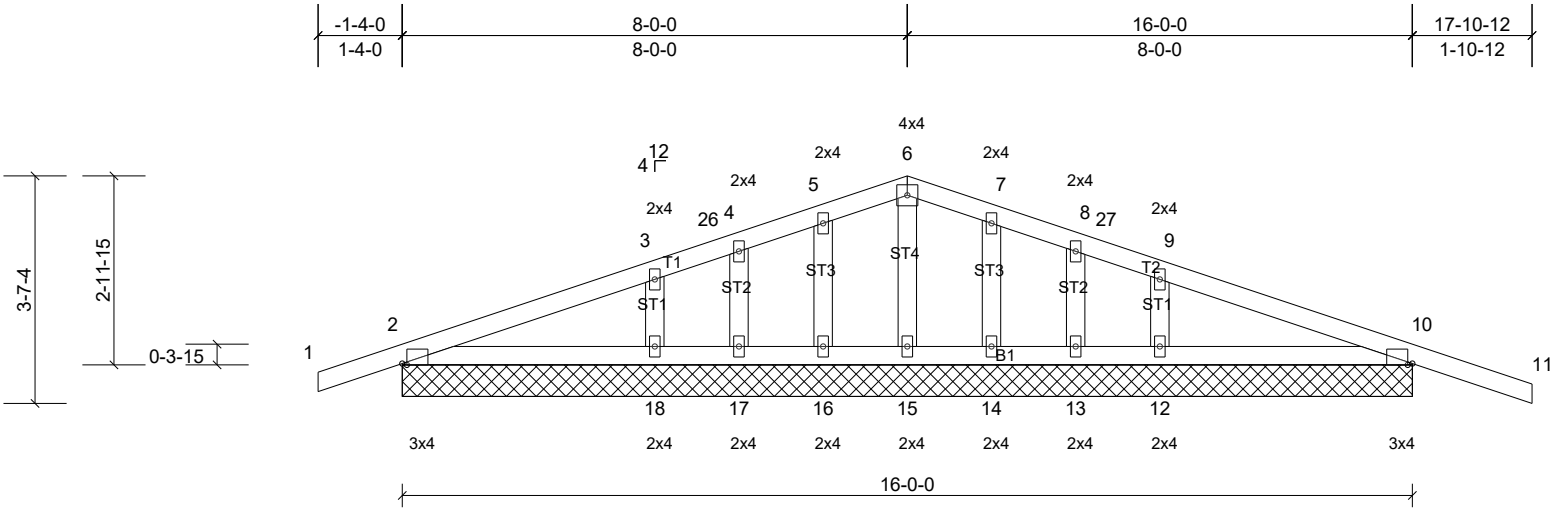
Job 220393-A	Truss B1	Truss Type Common Supported Gable	Qty 2	Ply 1	City of GP Job Reference (optional)
-----------------	-------------	--------------------------------------	----------	----------	--

Rogue Truss Systems, Grants Pass, Billy Allen

Run: 8.53 S Jan 25 2022 Print: 8.530 S Jan 25 2022 MiTek Industries, Inc. Mon May 23 15:46:27

Page: 1

ID:a9a82vnesjlt6HUDtPp5YHzDZ?\_o68D3bSBqBbjAAGc0qBAUIBjC12QVz7XAFVw8ezDYGx



Scale = 1:36.7

Plate Offsets (X, Y): [2:0-0-14,Edge], [10:0-0-14,Edge]

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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS							Weight: 65 lb	FT = 20%

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

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

- 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 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.
- A plate rating reduction of 20% has been applied for the green lumber members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 16, 17, 14, 13, 12 except (jt=lb) 2=116, 10=171, 18=106, 2=116, 10=171.

**LOAD CASE(S)** Standard

**REACTIONS** All bearings 16-0-0.  
(lb) - Max Horiz 2=-67 (LC 17), 19=-67 (LC 17)  
Max Uplift All uplift 100 (lb) or less at joint(s) 12, 13, 14, 16, 17 except 2=-116 (LC 8), 10=-171 (LC 9), 18=-106 (LC 12), 19=-116 (LC 8), 23=-171 (LC 9)  
Max Grav All reactions 250 (lb) or less at joint (s) 2, 13, 14, 15, 16, 17, 19 except 10=301 (LC 1), 12=287 (LC 26), 18=326 (LC 25), 23=301 (LC 1)

**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 7-16; 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 Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 8-0-0, Corner(3R) 8-0-0 to 11-0-0, Exterior(2N) 11-0-0 to 17-10-12 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
  - 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 1-4-0 oc.

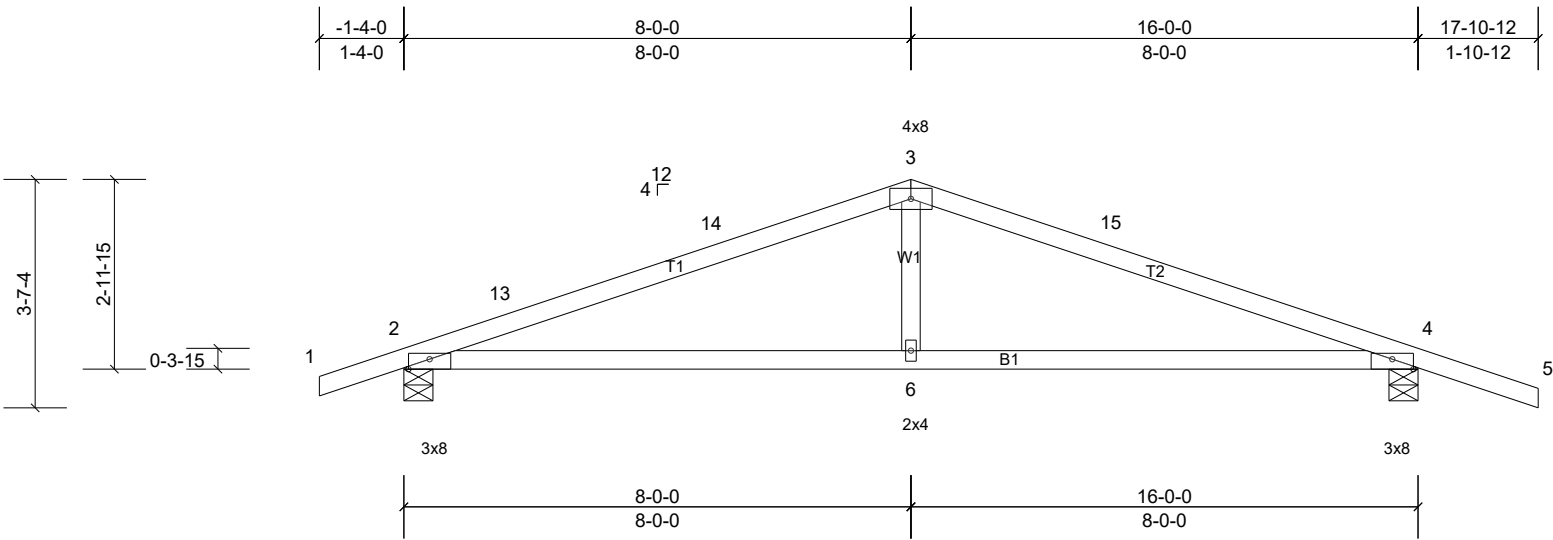
Job 220393-A	Truss B2	Truss Type Common	Qty 12	Ply 1	City of GP Job Reference (optional)
-----------------	-------------	----------------------	-----------	----------	--

Rogue Truss Systems, Grants Pass, Billy Allen

Run: 8.53 S Jan 25 2022 Print: 8.530 S Jan 25 2022 MiTek Industries, Inc. Mon May 23 15:46:27

Page: 1

ID:tVVn1Js1CtAtSMWZnNRkKzDZ\_t-o68D3bSBqBjAAGc0qBAUIBCD1yZVytXAFVw8ezDYGx



Scale = 1:36.5

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

Loading	(psf)	Spacing	2-0-0	CSI	0.59	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.14	6-9	>999	360	MT20	220/195
TCDL	7.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.32	6-9	>602	240		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.03	4	n/a	n/a		
BCDL	10.0	Code	IRC2021/TPI2014	Matrix-MS		Wind(LL)	0.12	6-9	>999	240	Weight: 53 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

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 262 lb uplift at joint 4.

**LOAD CASE(S)** Standard

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 4-8-4 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) 2=754/0-5-8, (min. 0-1-8),  
4=797/0-5-8, (min. 0-1-8)  
Max Horiz 2=-67 (LC 17)  
Max Uplift 2=-230 (LC 8), 4=-262 (LC 9)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-13=-1257/411, 13-14=-1190/418,  
3-14=-1172/428, 3-15=-1174/414,  
4-15=-1258/405

BOT CHORD 2-6=-288/1129, 4-6=-288/1129  
WEBS 3-6=0/364

- 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 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior (1) 11-0-0 to 17-10-12 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.