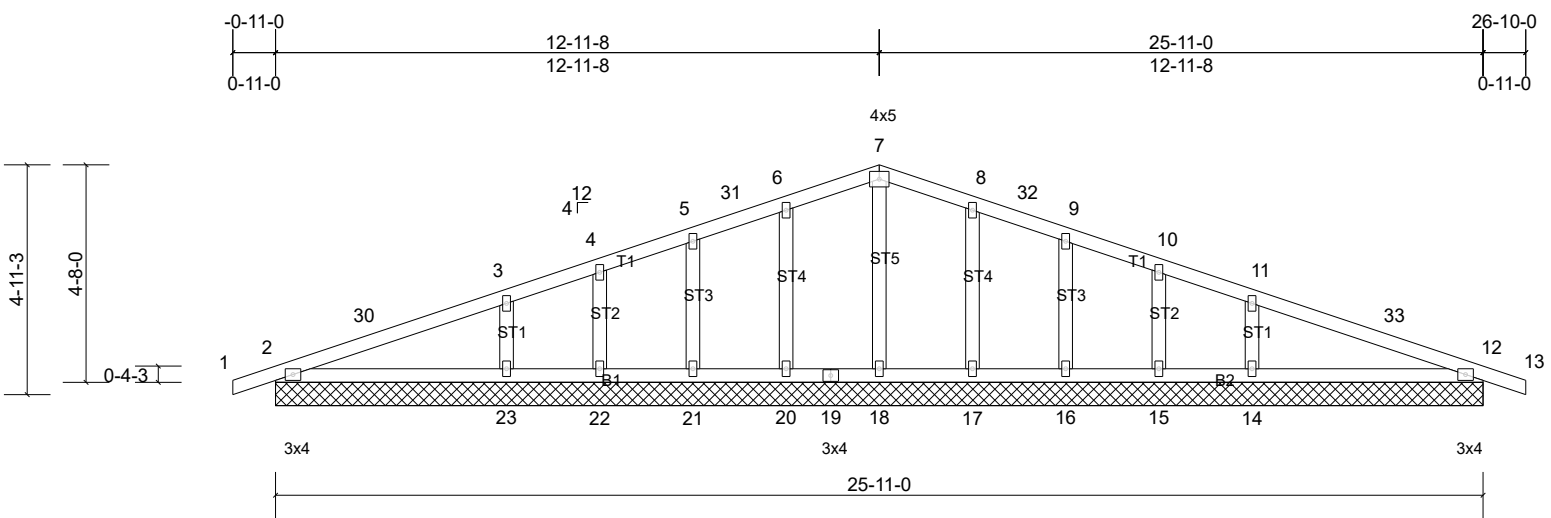


Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	A01	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:49.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 118 lb	FT = 20%

- LUMBER**

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.2 *Except* ST1:2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied.

BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 25-11-0.

(lb) - Max Horiz 2=-42 (LC 9), 24=-42 (LC 9)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 16, 17, 20, 21, 22, 23, 24, 27

Max Grav All reactions 250 (lb) or less at joint (s) 2, 12, 15, 16, 17, 18, 20, 21, 22, 24, 27 except 14=402 (LC 21), 23=402 (LC 20)

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

WEBS 3-23=-270/120, 11-14=-270/120

NOTES

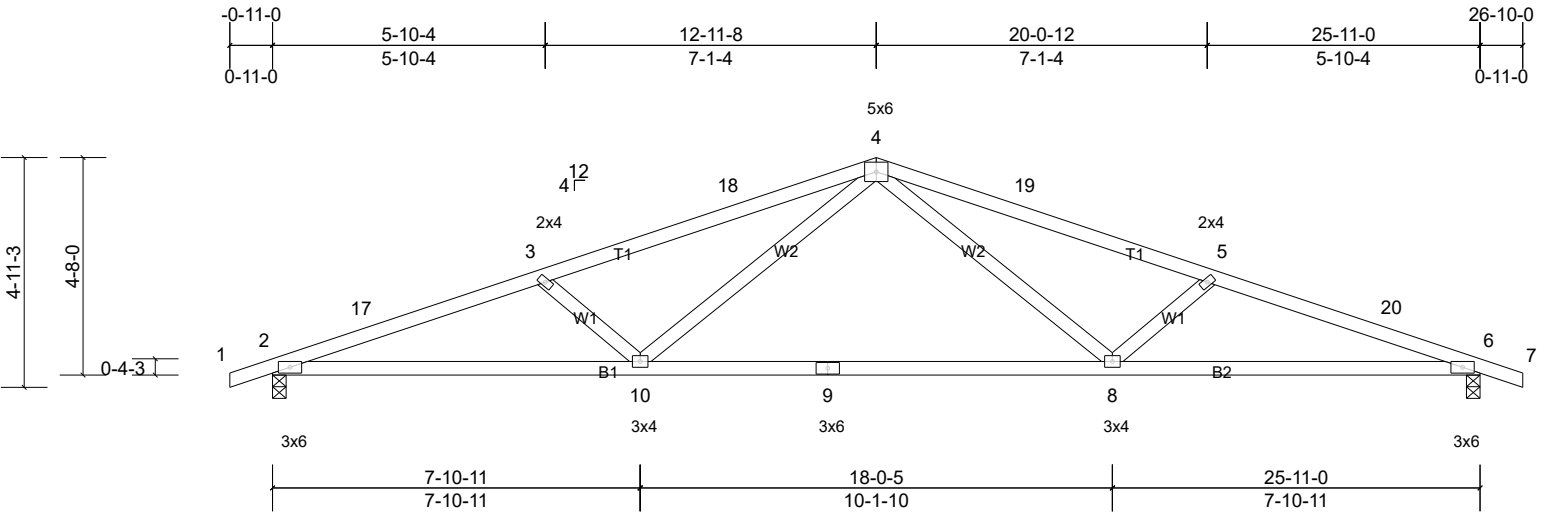
 - 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -0-11-0 to 2-1-0, Exterior (2) 2-1-0 to 12-11-8, Corner (3) 12-11-8 to 15-11-8, Exterior (2) 15-11-8 to 26-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 2, 12, 20, 21, 22, 23, 17, 16, 15, 14, 2, 12.

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.

10) 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	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	A02	Common	4	1	Job Reference (optional)



Scale = 1:49.5

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.15	8-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.50	8-10	>628	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 110 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=1092/0-3-8, (min. 0-1-8),
6=1092/0-3-8, (min. 0-1-8)
Max Horiz 2=-42 (LC 9)
Max Uplift 2=-30 (LC 11), 6=-30 (LC 11)

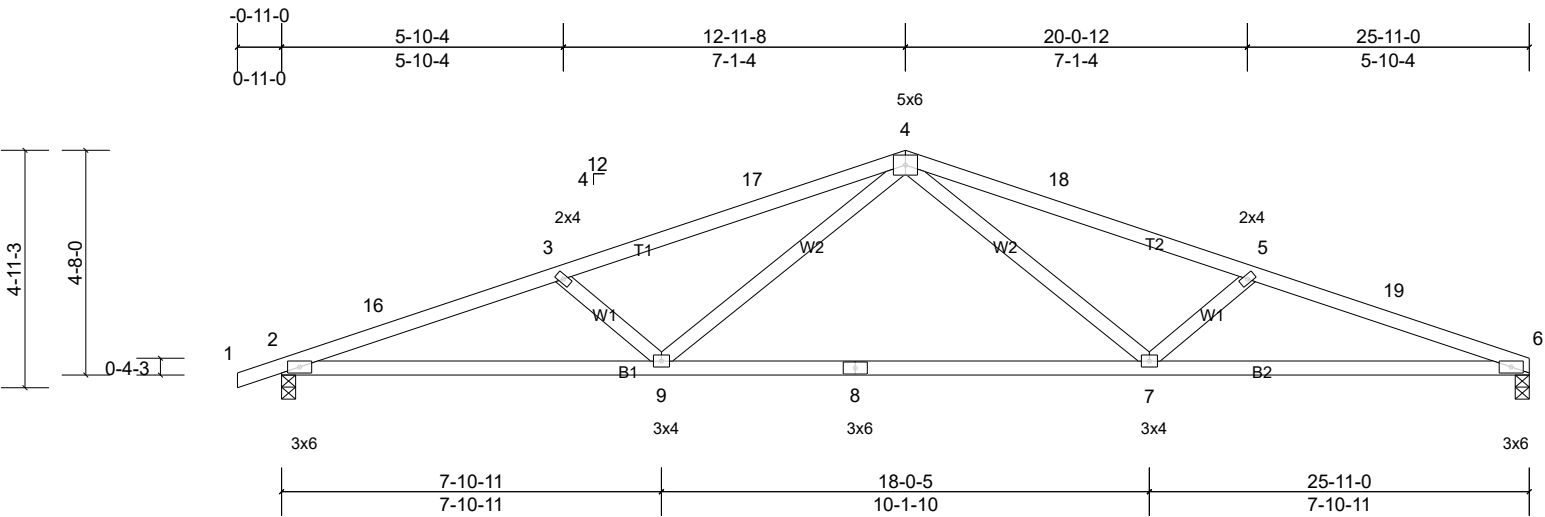
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
TOP CHORD 2-17=-2603/133, 3-17=-2528/150,
3-18=-2301/102, 4-18=-2220/115,
4-19=-2220/115, 5-19=-2301/102,
5-20=-2528/150, 6-20=-2603/133
BOT CHORD 2-10=-93/2446, 9-10=-38/1550,
8-9=-38/1550, 6-8=-101/2446
WEBS 4-8=0/773, 5-8=-465/128, 4-10=0/773,
3-10=-465/128

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 12-11-8, Exterior (2) 12-11-8 to 15-11-8, Interior (1) 15-11-8 to 26-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
 - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 2 and 30 lb uplift at joint 6.
 - 5) 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.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	A03	Common	5	1	Job Reference (optional)



Scale = 1:47.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.49	7-9	>630	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 108 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=1093/0-3-8, (min. 0-1-8),
6=1036/0-3-8, (min. 0-1-8)
Max Horiz 2=43 (LC 10)
Max Uplift 2=-31 (LC 11), 6=-7 (LC 11)

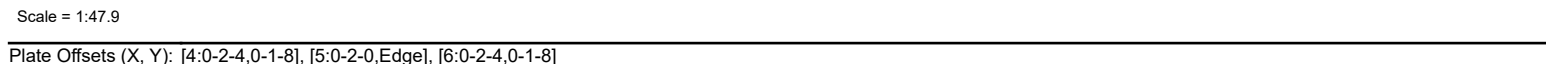
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
TOP CHORD 2-16=-2606/138, 3-16=-2531/155,
3-17=-2304/108, 4-17=-2223/119,
4-18=-2229/131, 5-18=-2310/117,
5-19=-2539/166, 6-19=-2615/154
BOT CHORD 2-9=-113/2449, 8-9=-50/1553, 7-8=-50/1553,
6-7=-114/2457
WEBS 4-7=0/780, 5-7=-470/129, 4-9=0/772,
3-9=-465/128

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 12-11-8, Exterior (2) 12-11-8 to 15-11-8, Interior (1) 15-11-8 to 25-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - * 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 6 and 31 lb uplift at joint 2.
 - 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.

Carolina Structural Systems, Star, NC 27356, JSH Run: 8.72 S Mar 20 2024 Print: 8.720 S Mar 20 2024 MiTek Industries, Inc. Tue Dec 03 14:21:27 Page: ID:bW67rZJoODEjJOsZ785CUyCjnj-zPDJoOW4usEe7Vcdes K7nK4F6q UV13zoycKdyCfp6



LUMBER		6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
TOP CHORD	2x4 SP No.2	
BOT CHORD	2x4 SP No.2	
WEBS	2x4 SP No.2 *Except* W3:2x4 SP No.3	

REACTIONS (lb/size) 2=1183/0-3-8, (min. 0-1-8),
8=1126/0-3-8, (min. 0-1-8)
Max Horiz 2=43 (LC 10)

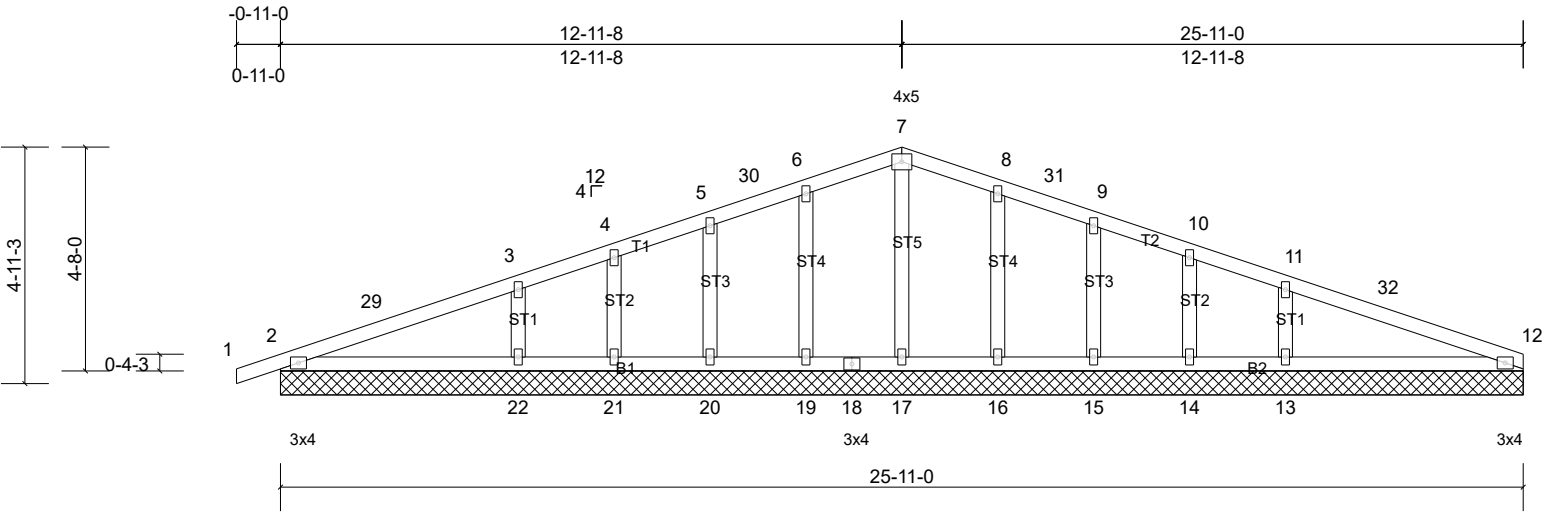
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
 Vasd=95mph; TCDFL=6.0psf; BCDL=6.0psf; h=25ft;
 B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Enclosed;
 MWFRS (directional) and C-C Exterior (2) -0-11-0 to
 2-1-0, Interior (1) 2-1-0 to 12-11-8, Exterior (2) 12-11-8 to
 15-11-8, Interior (1) 15-11-8 to 25-11-0 zone; cantilever
 left and right exposed ; end vertical left and right
 exposed; C-C for members and forces & MWFRS for
 reactions shown; Lumber DOL=1.60 plate grip
 DOL=1.60
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 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 2-00-00 wide will fit between the bottom
 chord and any other members.
- 5) 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.

6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	A05	Common	1	1	Job Reference (optional)



Scale = 1:48

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 116 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2 *Except* ST1:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 25-11-0.
(lb) - Max Horiz 2=43 (LC 10), 26=43 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s)
2, 13, 14, 15, 16, 19, 20, 21, 22, 26
Max Grav All reactions 250 (lb) or less at joint
(s) 2, 12, 14, 15, 16, 17, 19, 20, 21,
23, 26 except 13=414 (LC 21),
22=402 (LC 20)

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

WEBS 3-22=-270/120, 11-13=-276/143

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=26ft; eave=2ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Corner (3) -0-11-0 to
2-1-0, Exterior (2) 2-1-0 to 12-11-8, Corner (3) 12-11-8 to
15-11-8, Exterior (2) 15-11-8 to 25-11-0 zone; cantilever
left and right exposed ; end vertical left and right
exposed;C-C for members and forces & MWFRS for
reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss
only. For studs exposed to wind (normal to the face),
see Standard Industry Gable End Details as applicable,
or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 100 lb uplift at joint
(s) 2, 19, 20, 21, 22, 16, 15, 14, 13, 2.

- 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.
 - 10) 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

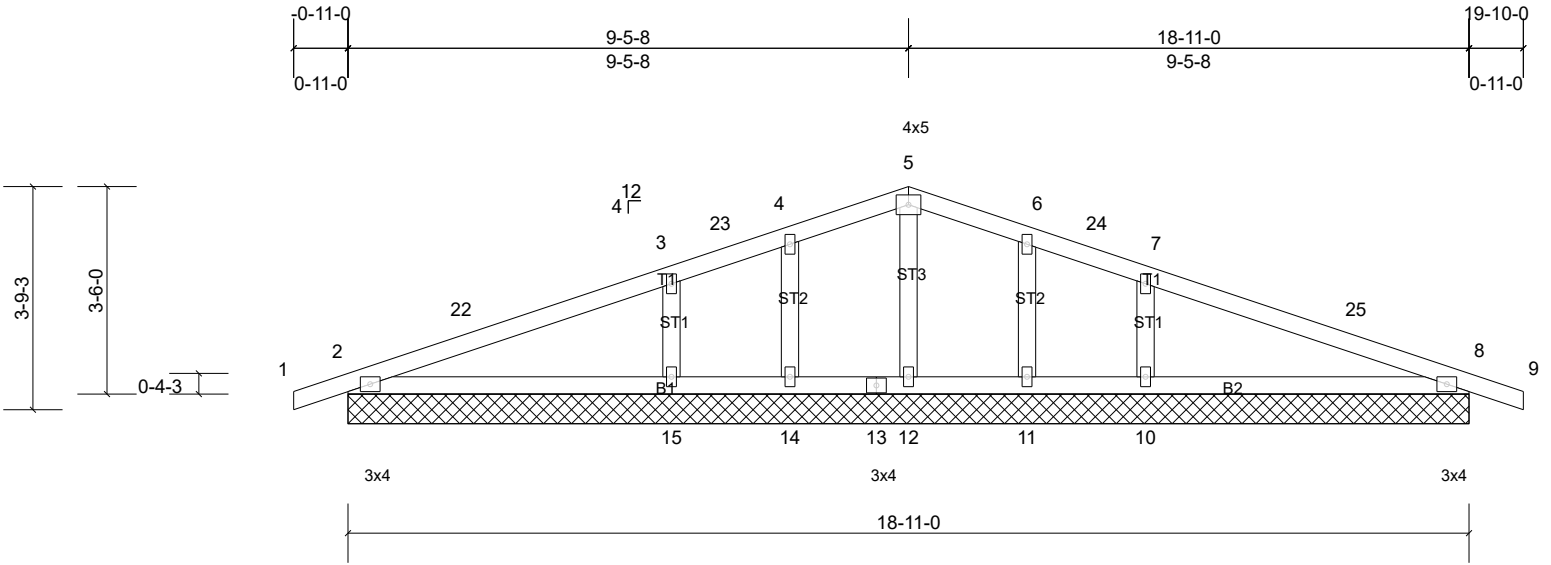
Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	B01	Common Supported Gable	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, JSH

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Scale = 1:38.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	19	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 77 lb FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2 *Except* ST1:2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS

All bearings 18-11-0.
(lb) - Max Horiz 2=-31 (LC 9), 16=-31 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s)
2, 8, 10, 11, 14, 15, 16, 19
Max Grav All reactions 250 (lb) or less at joint
(s) 11, 12, 14 except 2=256 (LC 1),
8=256 (LC 1), 10=453 (LC 1),
15=453 (LC 1), 16=256 (LC 1),
19=256 (LC 1)

FORCES

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

WEBS

3-15=-303/134, 7-10=-303/134

NOTES

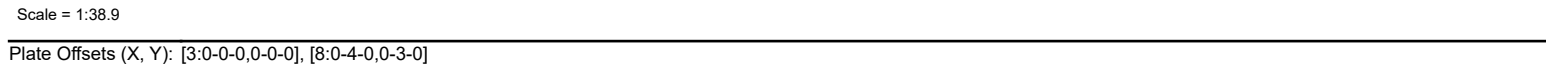
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Corner (3) -0-11-0 to
2-1-0, Exterior (2) 2-1-0 to 9-5-8, Corner (3) 9-5-8 to
12-5-8, Exterior (2) 12-5-8 to 19-10-0 zone; cantilever
left and right exposed ; end vertical left and right
exposed;C-C for members and forces & MWFRS for
reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss
only. For studs exposed to wind (normal to the face),
see Standard Industry Gable End Details as applicable,
or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.

- 8) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 100 lb uplift at joint
(s) 2, 8, 14, 15, 11, 10, 2, 8.
- 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.
- 10) 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

Carolina Structural Systems, Star, NC 27356, JSH Run: 8.72 S Mar 20 2024 Print: 8.720 S Mar 20 2024 MiTek Industries, Inc. Tue Dec 03 14:21:27 Page: ID:xfaf7KvXrHPm4reGvxXahqyCjmy-zPDJoOW4usEe7Vcdes K7nK786tIUy53zoycKdyCfp6



LUMBER	6) This truss design requires that a minimum of 7/16"
TOP CHORD 2x4 SP No.2	structural wood sheathing be applied directly to the top
BOT CHORD 2x4 SP No.2	chord and 1/2" gypsum sheetrock be applied directly to
WEBS 2x4 SP No.2	the bottom chord.

BRACING		LOAD CASE(S)
TOP CHORD	Structural wood sheathing directly applied.	Standard
BOT CHORD	Rigid ceiling directly applied.	

REACTIONS (lb/size)	2=812/0-3-8, (min. 0-1-8), 6=812/0-3-8, (min. 0-1-8)
Max Horiz	2=31 (LC 10)
Max Uplift	2=-28 (LC 11), 6=-28 (LC 11)

FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-15=-1664/118, 3-15=-1639/136, 3-16=-1280/72, 4-16=-1267/85, 4-17=-1267/85, 5-17=-1280/72, 5-18=-1639/135, 6-18=-1664/118
BOT CHORD	2-8=-74/1555, 6-8=-82/1555
WEBS	4-8=0/625, 5-8=-450/103, 3-8=-450/103

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 9-5-8, Exterior (2) 9-5-8 to 12-5-8, Interior (1) 12-5-8 to 19-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) * 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 2-00-00 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 2 and 28 lb uplift at joint 6.
- 5) 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.

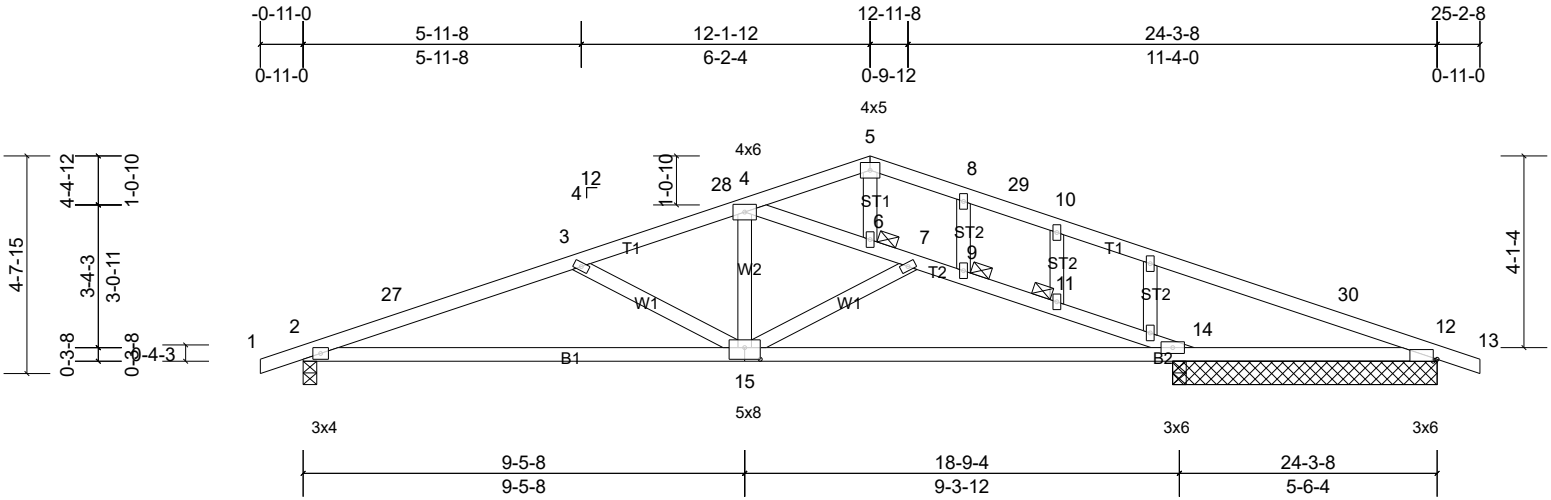
Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	C01	Common Structural Gable	1	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, JSH

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Scale = 1:49.4

Plate Offsets (X, Y): [12:0-1-0,Edge], [15:0-4-0,0-3-0]												
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.08	15-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.25	15-19	>909	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.05	24	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 118 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
JOINTS 1 Brace at Jt(s): 6, 9, 11

REACTIONS All bearings 5-8-0. except 2=0-3-8
(lb) - Max Horiz 2=39 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 20, 24
Max Grav All reactions 250 (lb) or less at joint (s) except 2=822 (LC 1), 12=328 (LC 1), 14=905 (LC 1), 20=905 (LC 1), 24=328 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-27=-1692/103, 3-27=-1667/120, 3-28=-1302/77, 4-28=-1232/78, 4-5=-250/66, 8-29=-271/66, 10-29=-290/59, 12-30=-303/0, 4-6=-1027/45, 6-7=-1052/52, 7-9=-1217/104, 9-11=-1196/105, 11-14=-1323/141
BOT CHORD 2-15=-59/1581, 14-15=-57/1402
WEBS 10-11=-402/112, 4-15=0/528, 3-15=-443/87, 7-15=-282/92

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 12-1-12, Exterior (2) 12-1-12 to 15-1-12, Interior (1) 15-1-12 to 25-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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 live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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, 14, 12, 14, 12.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

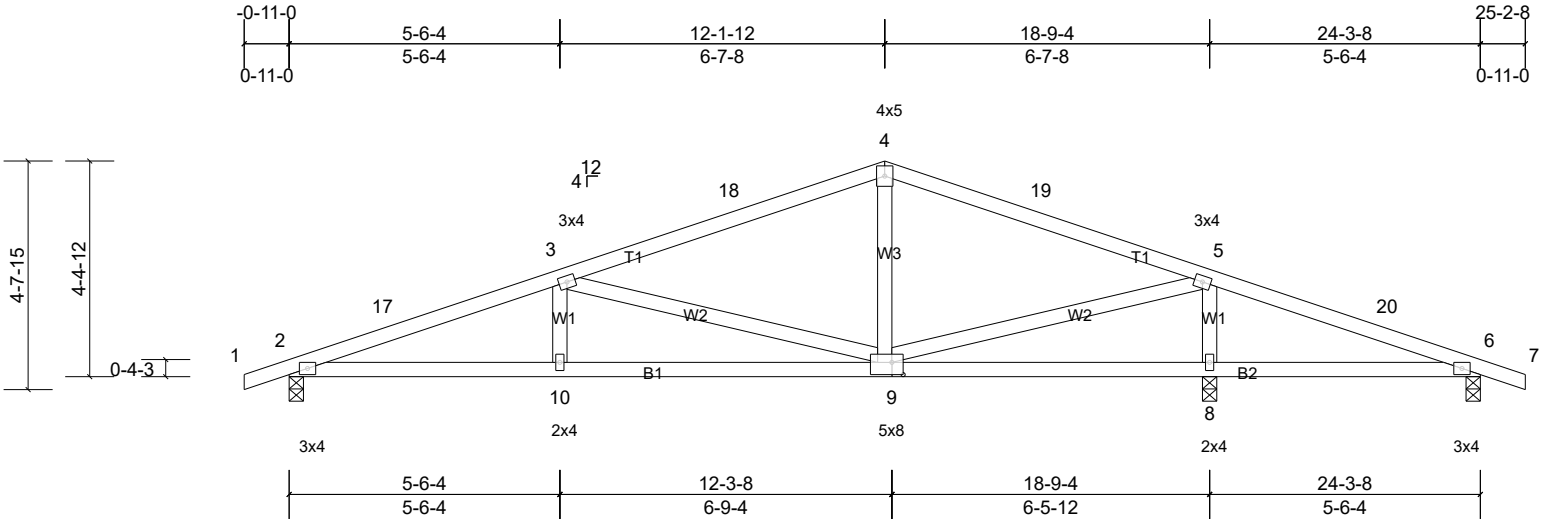
Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	C02	Common	2	1	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, JSH

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Scale = 1:47

Plate Offsets (X, Y): [9:0-2-12,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.06	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.15	9-10	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 107 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 2=763/0-3-8, (min. 0-1-8),
6=129/0-3-8, (min. 0-1-8),
8=1161/0-3-8, (min. 0-1-8)
Max Horiz 2=-39 (LC 9)
Max Uplift 2=-29 (LC 11), 6=-28 (LC 11), 8=-3 (LC 11)
Max Grav 2=763 (LC 1), 6=175 (LC 21),
8=1161 (LC 1)

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

TOP CHORD 2-17=-1638/82, 3-17=-1566/95,
3-18=-797/75, 4-18=-728/88, 4-19=-734/90,
5-19=-803/77, 5-20=0/341, 6-20=-9/286
BOT CHORD 2-10=-43/1531, 9-10=-43/1531, 8-9=-271/38,
6-8=-271/38
WEBS 5-8=-1012/119, 5-9=-10/1002, 3-9=-890/71

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Exterior (2) -0-11-0 to 2-1-0, Interior (1) 2-1-0 to 12-1-12, Exterior (2) 12-1-12 to 15-1-12, Interior (1) 15-1-12 to 25-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- * 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 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 6, 3 lb uplift at joint 8 and 29 lb uplift at joint 2.

- 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	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	C03	Common Girder	1	3	Job Reference (optional)

Carolina Structural Systems, Star, NC 27356, JSH

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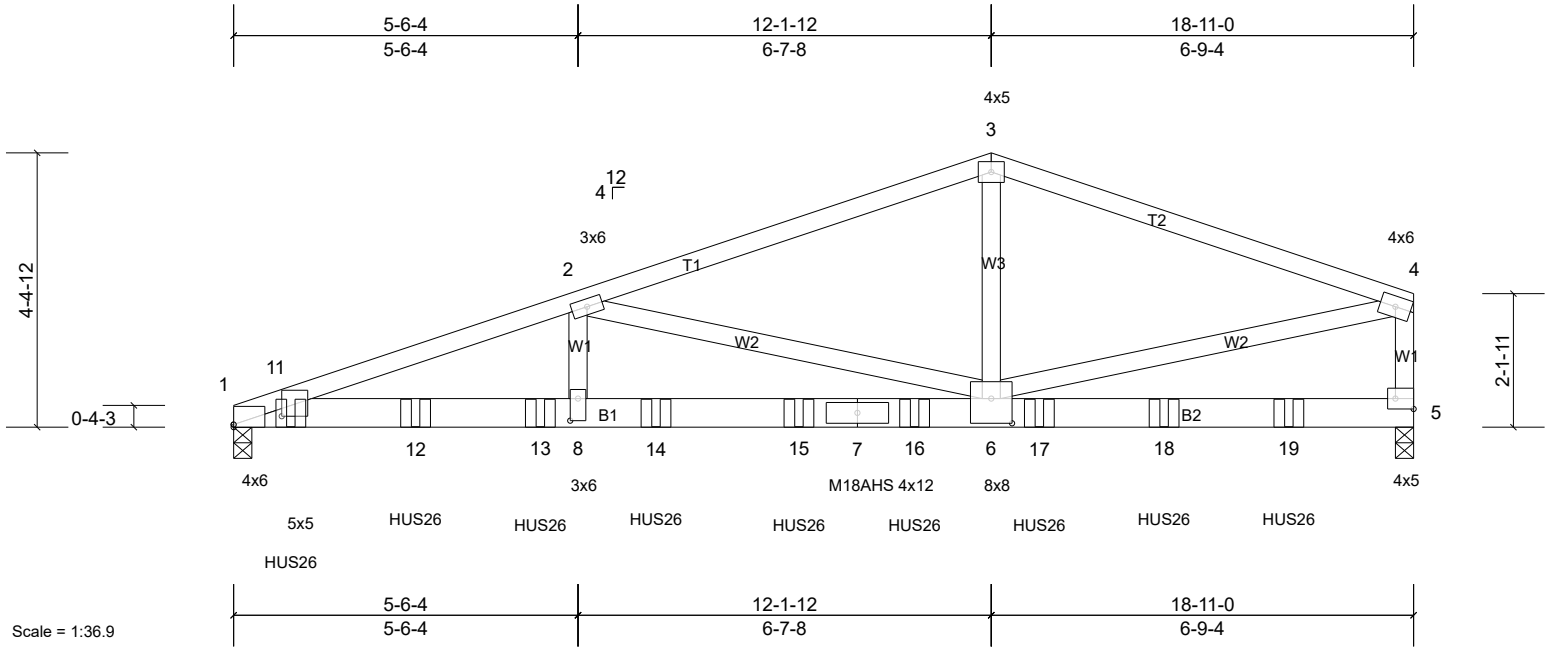


Plate Offsets (X, Y): [1:Edge,0-0-8], [1:0-9-4,0-1-10], [5:Edge,0-2-0], [6:0-4-0,0-4-12], [8:0-4-4,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.84	Vert(LL)	-0.15	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.31	6-8	>716	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 310 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=5749/0-3-8, (min. 0-1-15), 5=5438/0-3-8, (min. 0-1-13)
Max Horiz 1=74 (LC 6)

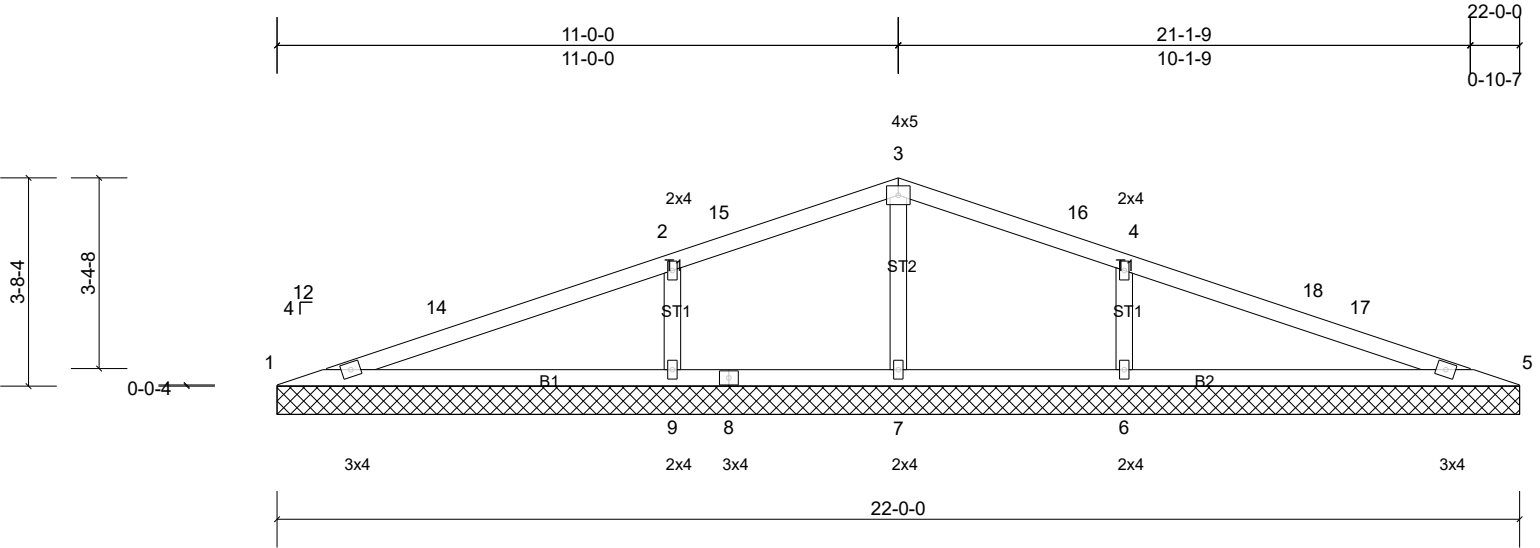
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-13851/0, 2-3=-7349/0, 3-4=-7353/0, 4-5=-4288/0
BOT CHORD 1-11=0/13040, 1-11=0/13067, 1-12=0/13075, 12-13=0/13075, 8-13=0/13075, 8-14=0/13075, 14-15=0/13075, 7-15=0/13075, 7-16=0/13075, 6-16=0/13075, 6-17=0/399, 17-18=0/399, 18-19=0/399, 5-19=0/399
WEBS 3-6=0/4252, 2-8=0/3317, 2-6=-6407/0, 4-6=0/6755

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.

4) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
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.
8) Use Simpson Strong-Tie HUS26 (14-10d Girder, 4-10d Truss) or equivalent spaced at 2-3-8 oc max. starting at 0-11-0 from the left end to 16-11-0 to connect truss(es) A03 (1 ply 2x4 SP), A04 (1 ply 2x4 SP) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-60, 1-5=-20
Concentrated Loads (lb)
Vert: 11=-1017 (F), 12=-1016 (F), 13=-1016 (F), 14=-1106 (F), 15=-1106 (F), 16=-1106 (F), 17=-1106 (F), 18=-1106 (F), 19=-1106 (F)

Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	V01	Valley	1	1	Job Reference (optional)



Scale = 1:40.8

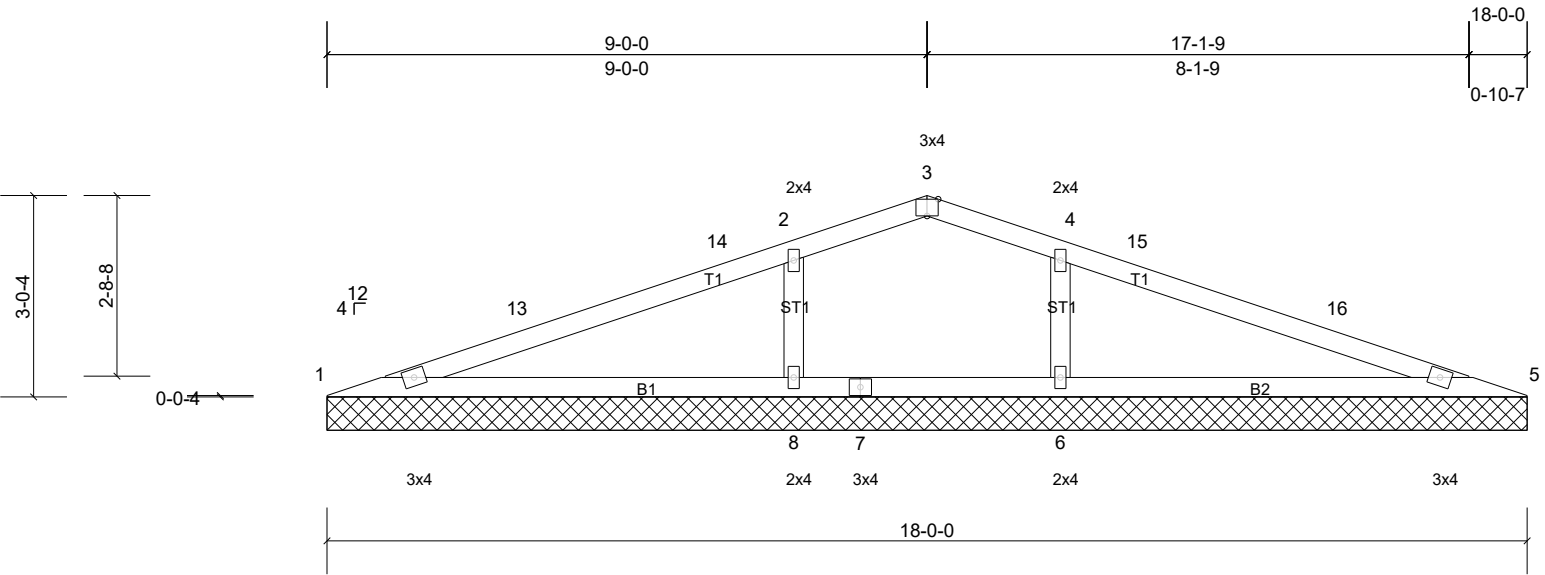
Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.01	9	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 74 lb FT = 20%

- LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3 *Except* ST2:2x4 SP No.2
- BRACING**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
- REACTIONS** All bearings 22-0-0.
(lb) - Max Horiz 1=-32 (LC 9)
Max Uplift All uplift 100 (lb) or less at joint(s) 6, 9
Max Grav All reactions 250 (lb) or less at joint (s) 1, 5 except 6=562 (LC 21), 7=421 (LC 1), 9=562 (LC 20)
- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-259/417, 2-14=-97/493, 2-15=-37/381, 3-15=-28/442, 3-16=-26/442, 4-16=-35/381, 4-18=-95/493, 17-18=-105/427, 5-17=-113/417
BOT CHORD 1-9=-405/239, 8-9=-405/143, 7-8=-405/143, 6-7=-405/143, 5-6=-405/143
WEBS 3-7=-411/124, 2-9=-385/184, 4-6=-385/184

- 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.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) 0-0-12 to 3-0-12, Exterior (2) 3-0-12 to 11-0-12, Corner (3) 11-0-12 to 14-0-12, Exterior (2) 14-0-12 to 22-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 2-00-00 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 9, 6.

Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	V02	Valley	1	1	Job Reference (optional)



Scale = 1:34.6

Plate Offsets (X, Y): [3:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.10	Horiz(TL)	0.01	5	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 58 lb FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS All bearings 18-0-0.
(lb) - Max Horiz 1=26 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s)
6, 8
Max Grav All reactions 250 (lb) or less at joint
(s) 1, 5 except 6=594 (LC 21),
8=594 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250
(lb) or less except when shown.
TOP CHORD 1-13=-293/362, 13-14=-121/368,
2-14=-112/438, 2-3=-45/331, 3-4=-44/331,
4-15=-111/438, 15-16=-120/368,
5-16=-129/362
BOT CHORD 1-8=-349/271, 7-8=-349/159, 6-7=-349/159,
5-6=-349/159
WEBS 2-8=-457/206, 4-6=-457/206

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Corner (3) 0-0-12 to 3-0-12, Exterior (2) 3-0-12 to 9-0-12, Corner (3) 9-0-12 to 12-0-12, Exterior (2) 12-0-12 to 18-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
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 2-00-00 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 8, 6.

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.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

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- 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.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.

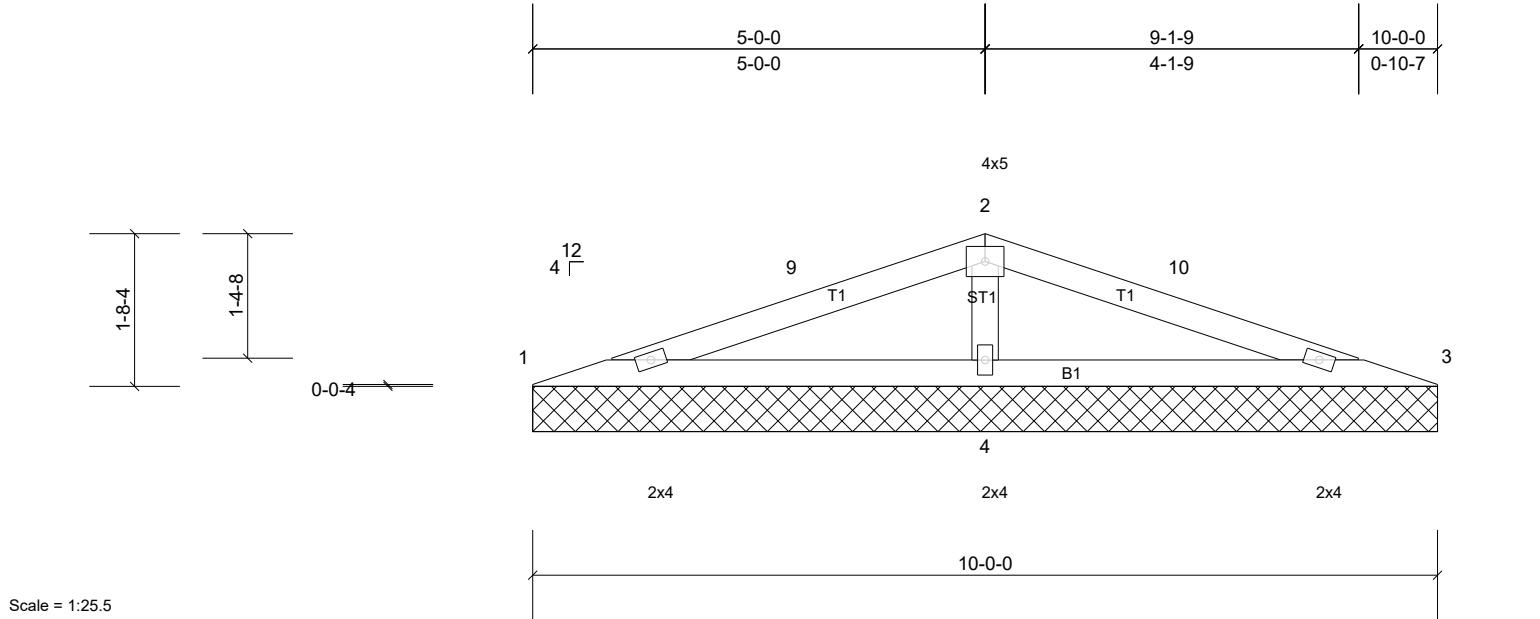
REACTIONS (lb/size)	1=72/14-0-0, (min. 0-1-8), 3=72/14-0-0, (min. 0-1-8) 4=977/14-0-0, (min. 0-1-8)
Max Horiz	1=-20 (LC 9)
Max Uplift	1=-16 (LC 21), 3=-16 (LC 20), 4=-11 (LC 11)
Max Grav	1=124 (LC 20), 3=124 (LC 21), 4=977 (LC 1)

TOP CHORD 1-9=-200/553, 9-10=-177/567,
2-10=-175/629, 2-11=-174/629,
11-12=-175/567, 3-12=-184/553

WEBS 2-4=-755/319

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Corner (3) 0-0-12 to
3-0-12, Exterior (2) 3-0-12 to 7-0-12, Corner (3) 7-0-12 to
10-0-12, Exterior (2) 10-0-12 to 14-0-12 zone; cantilever
left and right exposed ; end vertical left and right
exposed; C-C for members and forces & MWFRS for
reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 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 2-00-00 wide will fit between the bottom
chord and any other members.
- 5) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 16 lb uplift at joint
1, 16 lb uplift at joint 3 and 11 lb uplift at joint 4.

Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	V04	Valley	1	1	Job Reference (optional)



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(TL)	n/a	-	n/a	999	244/190
BCLL	0.0*	Rep Stress Incr	YES	WB	0.09	Horiz(TL)	0.00	4	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							Weight: 29 lb FT = 20%

LUMBER
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

BRACING
 TOP CHORD Structural wood sheathing directly applied.
 BOT CHORD Rigid ceiling directly applied.

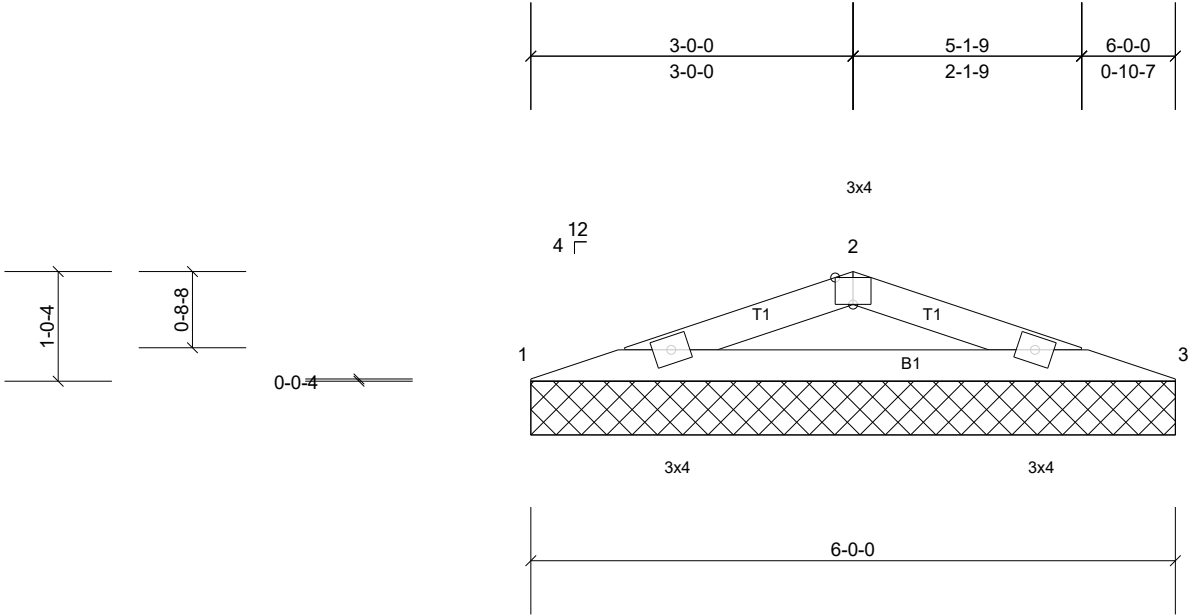
LOAD CASE(S) Standard

REACTIONS (lb/size) 1=84/10-0-0, (min. 0-1-8), 3=84/10-0-0, (min. 0-1-8), 4=632/10-0-0, (min. 0-1-8)
 Max Horiz 1=-14 (LC 9)
 Max Uplift 1=-1 (LC 11), 3=-1 (LC 11), 4=-5 (LC 11)
 Max Grav 1=113 (LC 20), 3=113 (LC 21), 4=632 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-9=-177/303, 2-9=-52/345, 2-10=-50/345, 3-10=-56/303
 BOT CHORD 1-4=-287/162, 3-4=-287/80
 WEBS 2-4=-460/121

- NOTES**
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) 0-0-12 to 3-0-12, Interior (1) 3-0-12 to 5-0-12, Exterior (2) 5-0-12 to 8-3-15, Interior (1) 8-3-15 to 10-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 3) Gable requires continuous bottom chord bearing.
 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 2-00-00 wide will fit between the bottom chord and any other members.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 1, 1 lb uplift at joint 3 and 5 lb uplift at joint 4.
 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.

Job	Truss	Truss Type	Qty	Ply	VASQUEZ: 2024-SAN-063
Q-2402834	V05	Valley	1	1	Job Reference (optional)



Scale = 1:21.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.01	3	n/a	n/a	
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS							
										Weight: 16 lb	FT = 20%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS (lb/size) 1=240/6-0-0, (min. 0-1-8),
3=240/6-0-0, (min. 0-1-8)
Max Horiz 1=8 (LC 10)
Max Uplift 1=-2 (LC 11), 3=-2 (LC 11)

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

TOP CHORD 1-2=-578/177, 2-3=-430/147
BOT CHORD 1-3=-157/540

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust)
Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft;
B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed;
MWFRS (directional) and C-C Exterior (2) zone;
cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- * 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 2-00-00 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 1 and 2 lb uplift at joint 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.
- 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