

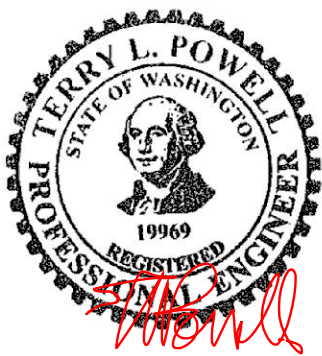
Re: J1149588A
D.R. Horton-Crimson Hill

Tri-State Engineering, Inc.
12810 NE 178th Street
Suite 218
Woodinville, WA 98072
425.481.6601

The truss drawing(s) referenced below have been prepared by Tri-State Engineering under my direct supervision based on the parameters provided by The Truss Company (Pasco).

Pages or sheets covered by this seal: I14903902 thru I14903949

My license renewal date for the state of Washington is August 20, 2024.



October 3, 2023

Terry Powell

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI 1.

REVIEWED FOR CODE COMPLIANCE

Jesus Martinez

9:59:38 AM

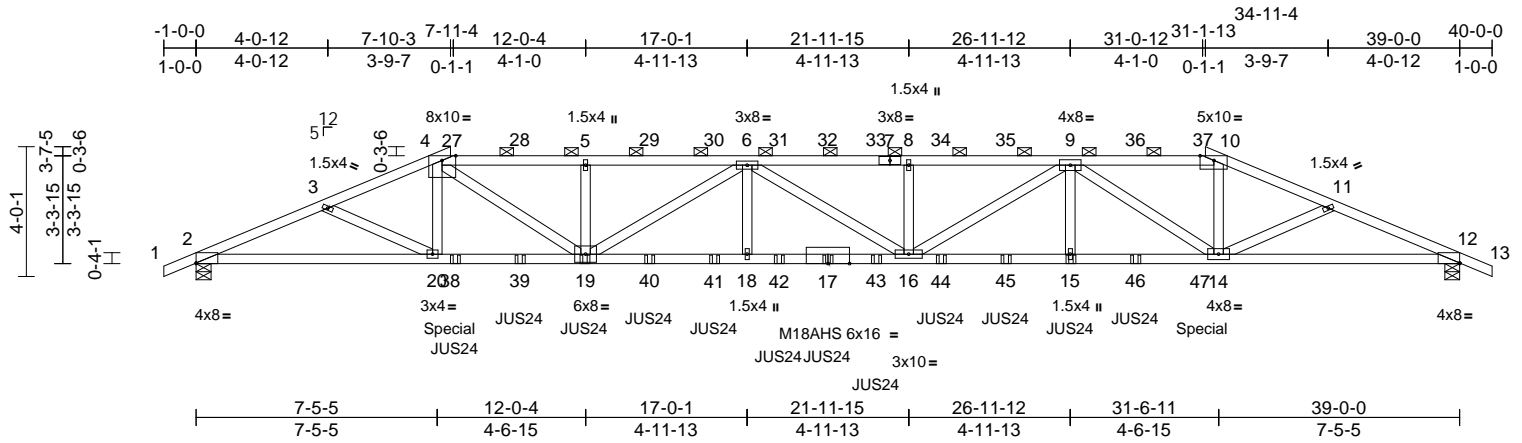
03/25/2024

Job J1149588A	Truss A1	Truss Type California Girder	Qty 1	Ply 2	D.R. Horton-Crimson Hill Job Reference (optional)	I14903902
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:71.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.81	16-18	>574	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-1.20	16-18	>389	240	M18AHS	169/162
TCDL	8.0	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.26	12	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.49	16-18	>961	240		
BCDL	7.0											
											Weight: 360 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-7:2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 2400F 2.0E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except 2-0-0 oc purlins (2-9-12 max.): 4-10.
BOT CHORD Rigid ceiling directly applied or 9-9-2 oc bracing.

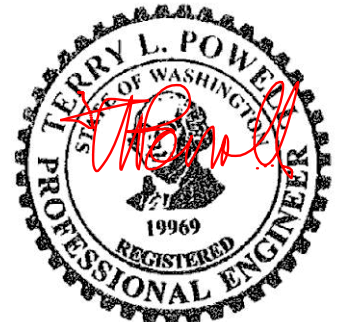
REACTIONS (lb/size) 2=4320/0-5-8, 12=4314/0-5-8
Max Horiz 2=-57 (LC 49)
Max Uplift 2=-985 (LC 10), 12=-984 (LC 11)
Max Grav 2=4549 (LC 33), 12=4543 (LC 35)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-10733/2356, 3-4=-10813/2385, 4-27=-13406/3075, 27-28=-13406/3075, 5-28=-13406/3075, 5-29=-13406/3075, 29-30=-13406/3075, 6-30=-13406/3075, 6-31=-15105/3537, 31-32=-15105/3537, 32-33=-15105/3537, 7-33=-15105/3537, 7-8=-15105/3537, 8-34=-15105/3537, 34-35=-15105/3537, 9-35=-15105/3537, 9-36=-9638/2160, 36-37=-9629/2158, 10-37=-9620/2156, 10-11=-10453/2306, 11-12=-10709/2351
BOT CHORD 2-20=-2167/9816, 20-38=-2189/10067, 38-39=-2189/10067, 19-39=-2189/10067, 19-40=-3473/15116, 40-41=-3473/15116, 18-41=-3473/15116, 18-42=-3473/15116, 17-42=-3473/15116, 17-43=-3473/15116, 16-43=-3473/15116, 16-44=-2959/13440, 44-45=-2959/13440, 15-45=-2959/13440, 15-46=-2959/13440, 46-47=-2959/13440, 14-47=-2959/13440, 12-14=-2106/9788

WEBS 3-20=-203/686, 4-20=-23/707, 4-19=-1034/4206, 5-19=-958/367, 6-19=-2148/591, 6-18=0/421, 8-16=-792/402, 9-16=-572/2095, 9-15=0/411, 9-14=-4722/1155, 10-14=-681/3427, 11-14=-176/295

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-6-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-5-0 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) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.0; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 985 lb uplift at joint 2 and 984 lb uplift at joint 12.
12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 8-0-0 from the left end to 29-0-0 to connect truss(es) to front face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.



October 3, 2023

Continued on page 3

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1149588A	Truss A1	Truss Type California Girder	Qty 1	Ply 2	D.R. Horton-Crimson Hill Job Reference (optional)	I14903902
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:15
ID:DUStiQOO4hfMCzxLpVmhgJyYmUS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f

Page: 2

16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 396 lb down and 151 lb up at 7-10-15, 364 lb down and 135 lb up at 10-0-0, 333 lb down and 138 lb up at 12-0-0, 292 lb down and 138 lb up at 14-0-0, 258 lb down and 138 lb up at 16-0-0, 257 lb down and 138 lb up at 18-0-0, 257 lb down and 138 lb up at 19-6-0, 257 lb down and 138 lb up at 21-0-0, 258 lb down and 138 lb up at 23-0-0, 292 lb down and 138 lb up at 25-0-0, 333 lb down and 138 lb up at 27-0-0, and 364 lb down and 135 lb up at 29-0-0, and 396 lb down and 150 lb up at 31-1-1 on top chord, and 768 lb down and 99 lb up at 31-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-4=-66, 4-10=-66, 10-13=-66, 21-24=-14

Concentrated Loads (lb)

Vert: 17=-75 (F), 19=-79 (F), 5=-264, 15=-79 (F), 9=-264, 27=-321, 28=-299, 29=-210, 30=-164, 31=-163, 32=-163, 33=-163, 34=-164, 35=-210, 36=-299, 37=-321, 38=-768 (F), 39=-80 (F), 40=-75 (F), 41=-75 (F), 42=-75 (F), 43=-75 (F), 44=-75 (F), 45=-75 (F), 46=-80 (F), 47=-768 (F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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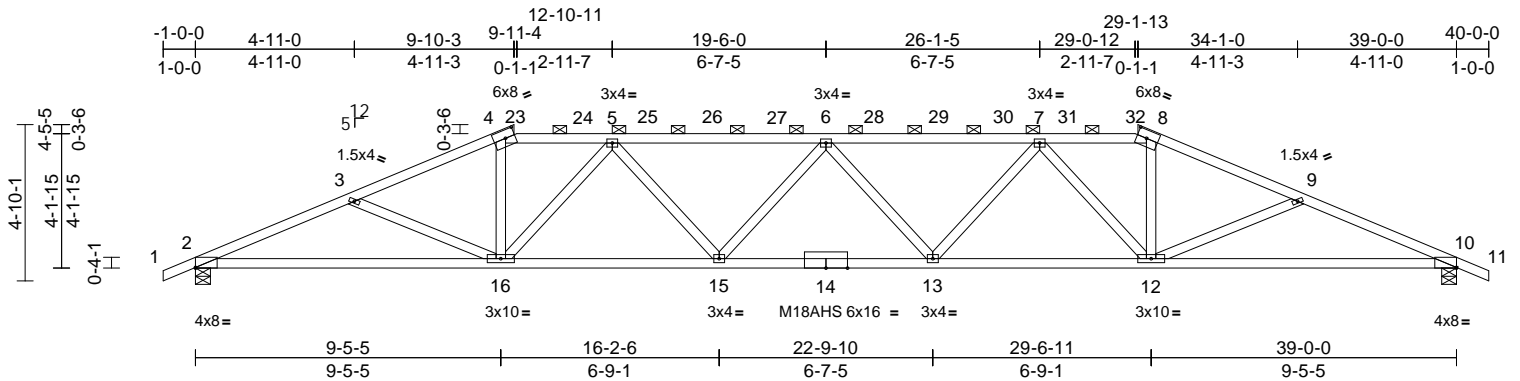


Job J1149588A	Truss A2	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903903
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:71.3

Plate Offsets (X, Y): [2:Edge,0-0-4], [4:0-3-9,0-3-0], [8:0-3-9,0-3-0], [10:Edge,0-0-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.66	13-15	>706	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.94	13-15	>496	240	M18AHS	169/162
TCDL	8.0	Rep Stress Incr	Yes	WB	0.93	Horz(CT)	0.29	10	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.41	13-15	>999	240		
BCDL	7.0											
											Weight: 175 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-8:2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-4 oc purlins, except 2-0-0 oc purlins (2-2-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=2268/0-5-8, 10=2268/0-5-8
Max Horiz 2=-70 (LC 11)
Max Uplift 2=-648 (LC 10), 10=-648 (LC 11)
Max Grav 2=2527 (LC 33), 10=2527 (LC 35)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-5592/1514, 3-4=-5017/1397, 4-23=-4542/1317, 23-24=-4549/1319, 5-24=-4553/1320, 5-25=-6088/1805, 25-26=-6088/1805, 26-27=-6088/1805, 6-27=-6088/1805, 6-28=-6088/1805, 28-29=-6088/1805, 29-30=-6088/1805, 7-30=-6088/1805, 7-31=-4553/1320, 31-32=-4549/1319, 8-32=-4542/1317, 8-9=-5017/1397, 9-10=-5592/1514
BOT CHORD 2-16=-1403/5099, 15-16=-1601/5674, 14-15=-1879/6441, 13-14=-1879/6441, 12-13=-1537/5674, 10-12=-1333/5099
WEBS 3-16=-602/241, 4-16=-422/1624, 8-12=-423/1624, 9-12=-602/242, 5-16=-1890/615, 5-15=-229/809, 6-15=-692/298, 6-13=-692/298, 7-13=-229/809, 7-12=-1890/614

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 648 lb uplift at joint 2 and 648 lb uplift at joint 10.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 223 lb down and 121 lb up at 9-10-15, 149 lb down and 70 lb up at 12-0-0, 235 lb down and 100 lb up at 14-0-0, 227 lb down and 103 lb up at 16-0-0, 184 lb down and 103 lb up at 18-0-0, 169 lb down and 103 lb up at 19-6-0, 184 lb down and 103 lb up at 21-0-0, 227 lb down and 103 lb up at 23-0-0, 235 lb down and 100 lb up at 25-0-0, and 149 lb down and 70 lb up at 27-0-0, and 223 lb down and 121 lb up at 29-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

- LOAD CASE(S)** Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-66, 4-8=-66, 8-11=-66, 17-20=-14
Concentrated Loads (lb)
Vert: 6=-69, 23=-149, 24=-65, 25=-159, 26=-146, 27=-90, 28=-90, 29=-146, 30=-159, 31=-65, 32=-149



October 3, 2023

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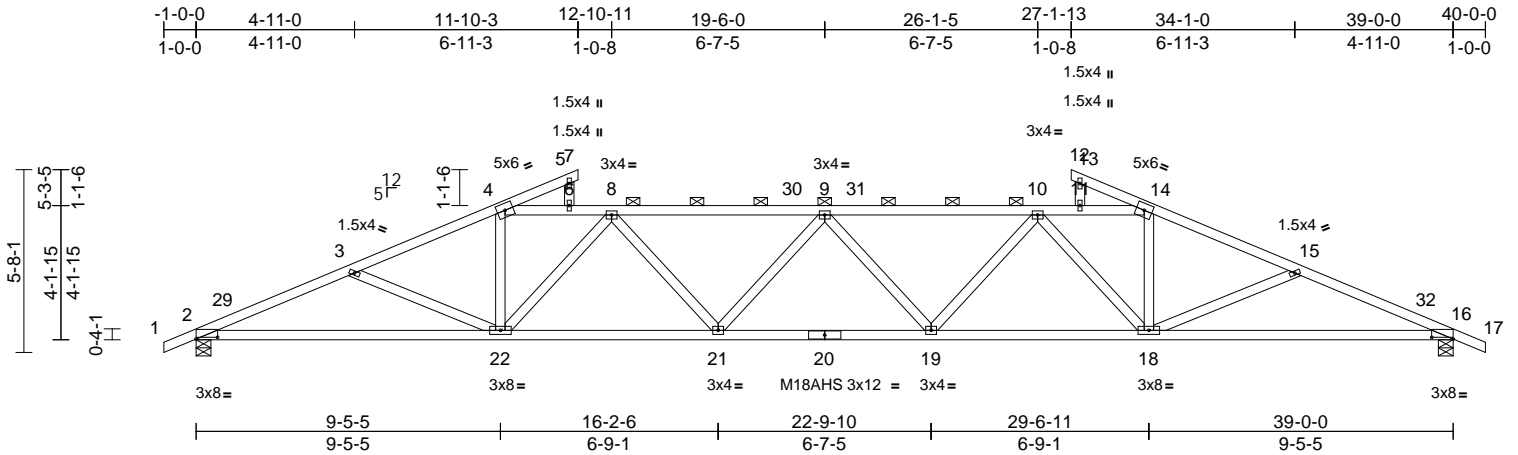


Job J1149588A	Truss A3	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903904
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:71.5

Plate Offsets (X, Y): [2:0-8-0,0-0-10], [16:0-8-0,0-0-10]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.40	19-21	>999	360	MT20 220/195	
TCDL	8.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.66	19-21	>708	240	M18AHS 169/162	
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.62	Horz(CT)	0.19	16	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.26	19-21	>999	240		
											Weight: 183 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E
 WEBS 2x4 DF Stud
 OTHERS 2x4 DF Stud

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-10 oc purlins, except 2-0-0 oc purlins (3-1-10 max.): 4-14.
 BOT CHORD Rigid ceiling directly applied or 8-4-1 oc bracing.

REACTIONS

(lb/size) 2=1644/0-5-8, 16=1644/0-5-8
 Max Horiz 2=-86 (LC 11)
 Max Uplift 2=-310 (LC 6), 16=-310 (LC 7)
 Max Grav 2=1672 (LC 17), 16=1672 (LC 18)

FORCES

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

TOP CHORD 2-29=-3632/672, 3-29=-3599/684, 3-4=-3268/623, 4-6=-2966/623, 6-8=-2965/623, 8-30=-3952/848, 9-30=-3952/848, 9-31=-3952/848, 10-31=-3952/848, 10-11=-2965/623, 11-14=-2966/623, 14-15=-3268/623, 15-32=-3599/684, 16-32=-3633/672
 BOT CHORD 2-22=-594/3322, 21-22=-680/3651, 20-21=-802/4179, 19-20=-802/4179, 18-19=-665/3651, 16-18=-575/3322
 WEBS 3-22=-592/193, 4-22=-185/1124, 14-18=-185/1124, 15-18=-593/194, 8-22=-1256/290, 8-21=-70/549, 9-21=-434/140, 9-19=-434/140, 10-19=-70/549, 10-18=-1256/290

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 16 and 310 lb uplift at joint 2.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) 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



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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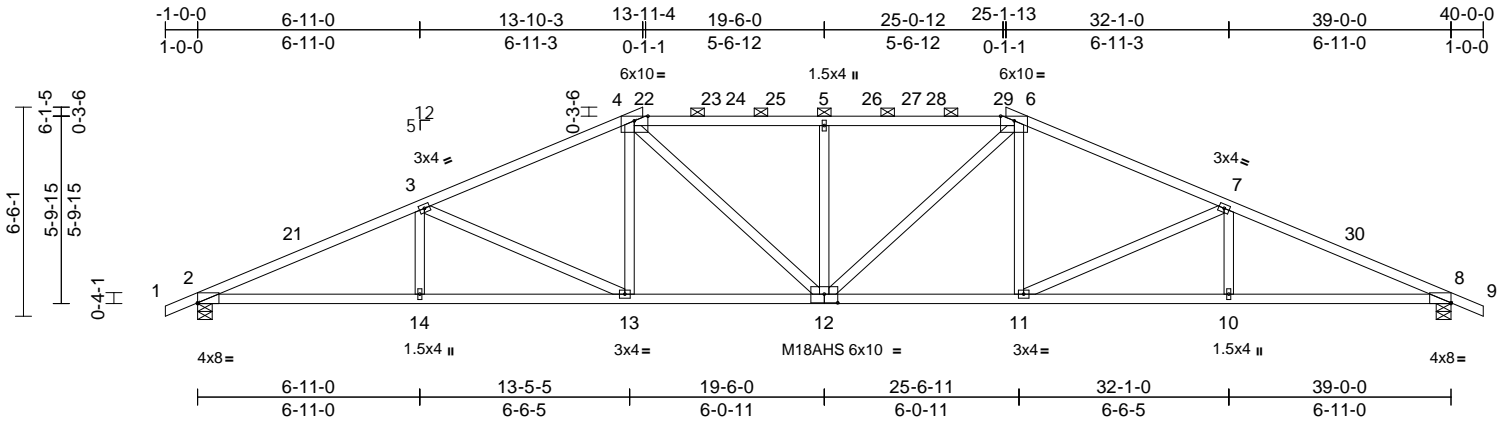


Job J1149588A	Truss A4	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903905
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The Truss Company (Pasco), Pasco, WA - 99301,

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Scale = 1:71.7

Plate Offsets (X, Y): [2:Edge,0-0-4], [4:0-5-2,Edge], [6:0-5-2,Edge], [8:Edge,0-0-4], [12:0-5-0,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.51	12	>913	360	MT20 185/148
TCDL	8.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.70	11-12	>672	240	M18AHS 145/140
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.75	Horz(CT)	0.27	8	n/a	n/a	
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.28	12-13	>999	240	
											Weight: 178 lb FT = 20%

LUMBER
TOP CHORD 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud *Except* 12-4,12-6:2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (2-2-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-2-12 oc bracing.

REACTIONS (lb/size) 2=2479/0-5-8, 8=2479/0-5-8
Max Horiz 2=-95 (LC 11)
Max Uplift 2=-669 (LC 10), 8=-669 (LC 11)
Max Grav 2=2643 (LC 33), 8=2643 (LC 35)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-6033/1507, 3-21=-5956/1519, 3-4=-5237/1415, 4-22=-5405/1541, 22-23=-5405/1541, 23-24=-5405/1541, 24-25=-5405/1541, 5-25=-5405/1541, 5-26=-5405/1541, 26-27=-5405/1541, 27-28=-5405/1541, 28-29=-5405/1541, 6-29=-5405/1541, 6-7=-5237/1415, 7-30=-5956/1519, 8-30=-6033/1508
BOT CHORD 2-14=-1420/5498, 13-14=-1420/5498, 12-13=-1229/4748, 11-12=-1140/4748, 10-11=-1325/5498, 8-10=-1325/5498
WEBS 3-13=-809/326, 4-13=-73/429, 4-12=-380/1229, 5-12=-1332/489, 6-12=-380/1229, 6-11=-74/429, 7-11=-809/326

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- 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 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 669 lb uplift at joint 2 and 669 lb uplift at joint 8.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 398 lb down and 160 lb up at 13-10-15, 238 lb down and 100 lb up at 16-0-0, 318 lb down and 130 lb up at 18-0-0, 303 lb down and 133 lb up at 19-6-0, 318 lb down and 130 lb up at 21-0-0, and 238 lb down and 100 lb up at 23-0-0, and 398 lb down and 160 lb up at 25-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)

Vert: 1-4=-66, 4-6=-66, 6-9=-66, 15-18=-14
Concentrated Loads (lb)
Vert: 5=-230, 22=-323, 23=-167, 25=-248, 26=-248, 28=-167, 29=-323



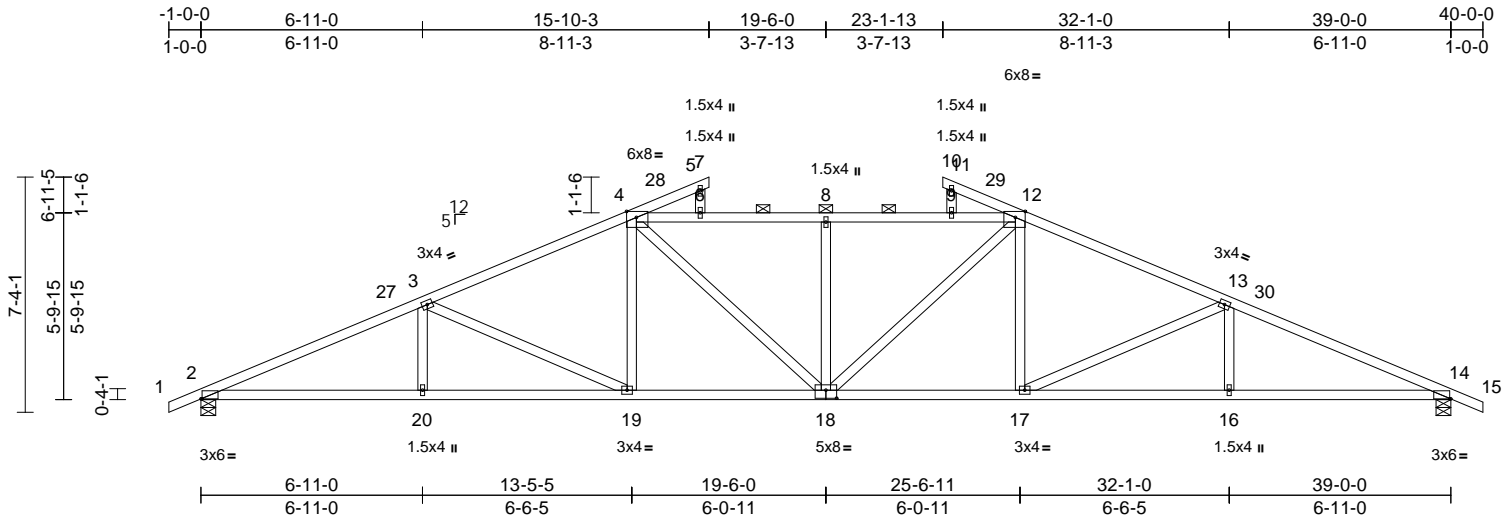
October 3, 2023

Job J1149588A	Truss A5	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903906
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:20
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Page: 1



Scale = 1:71.9

Plate Offsets (X, Y): [2:0-0-6,Edge], [4:0-3-11,0-2-4], [12:0-3-11,0-2-4], [14:0-0-6,Edge], [18:0-4-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.28	18	>999	360	MT20	185/148
TCDL	8.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.45	17-18	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.72	Horz(CT)	0.16	14	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.16	18	>999	240		
											Weight: 186 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud *Except* 18-4,18-12:2x4 HF No.2
OTHERS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins, except 2-0-0 oc purlins (4-0-12 max.): 4-12.
BOT CHORD Rigid ceiling directly applied or 9-7-8 oc bracing.

REACTIONS (lb/size) 2=1644/0-5-8, 14=1644/0-5-8
Max Horiz 2=-113 (LC 11)
Max Uplift 2=-306 (LC 10), 14=-306 (LC 11)
Max Grav 2=1648 (LC 17), 14=1648 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-27=-3517/582, 3-27=-3374/593, 3-4=-2880/495, 4-6=-2829/571, 6-8=-2829/571, 8-9=-2829/571, 9-12=-2829/571, 12-13=-2880/495, 13-30=-3374/593, 14-30=-3517/582
BOT CHORD 2-20=-583/3181, 19-20=-583/3181, 18-19=-362/2599, 17-18=-329/2599, 16-17=-471/3181, 14-16=-471/3181
WEBS 3-19=-801/241, 4-19=-43/415, 4-18=-106/633, 8-18=-540/169, 12-18=-106/633, 12-17=-43/416, 13-17=-801/242

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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 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 306 lb uplift at joint 2 and 306 lb uplift at joint 14.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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

- NOTES**
- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00



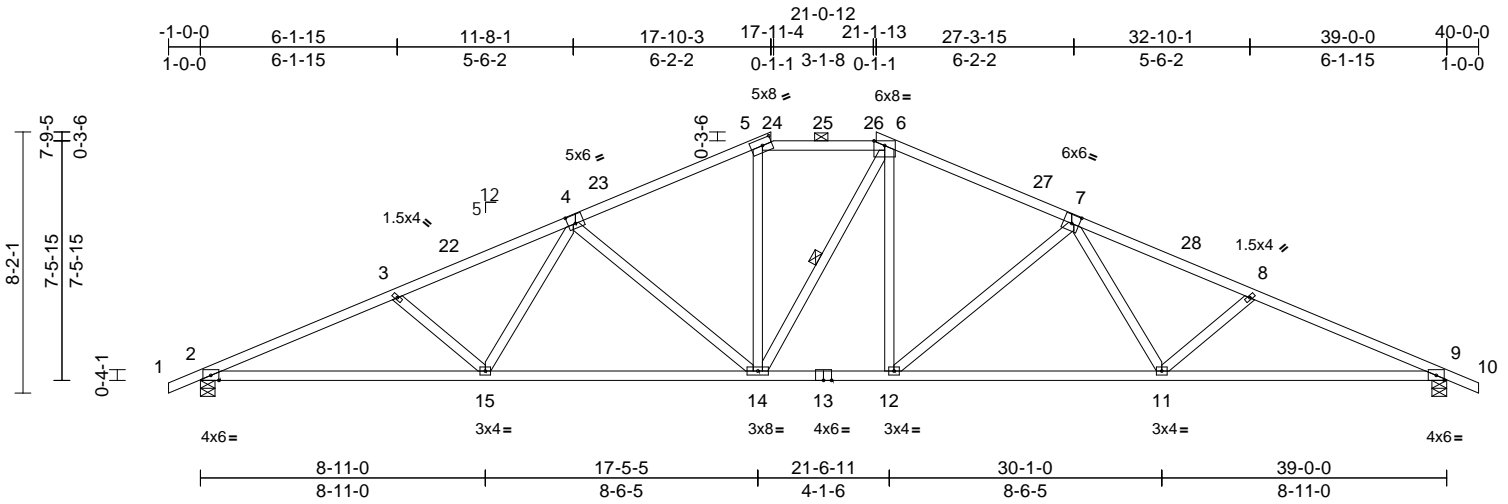
October 3, 2023

Job J1149588A	Truss A6	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903907
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:72.1

Plate Offsets (X, Y): [4:0-2-12,0-3-4], [5:0-3-9,0-2-8], [6:0-4-0,0-1-12], [7:0-2-12,0-3-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.40	12	>999	360	MT20	185/148
TCDL	8.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.62	11-12	>756	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.96	Horz(CT)	0.21	9	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.22	12-14	>999	240		
											Weight: 181 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 HF No.2 *Except*
15-3,15-4,11-7,11-8:2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-11 oc purlins, except 2-0-0 oc purlins (3-0-5 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 7-1-5 oc bracing.
WEBS 1 Row at midpt 6-14

REACTIONS (lb/size) 2=2123/0-5-8, 9=2123/0-5-8
Max Horiz 2=124 (LC 14)
Max Uplift 2=-507 (LC 10), 9=-507 (LC 11)
Max Grav 2=2165 (LC 33), 9=2161 (LC 35)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4856/1126, 3-22=-4539/1045, 4-22=-4461/1057, 4-23=-3643/884, 5-23=-3569/901, 5-24=-3280/860, 24-25=-3293/864, 25-26=-3300/865, 6-26=-3311/869, 6-27=-3606/909, 7-27=-3679/893, 7-28=-4454/1058, 8-28=-4530/1047, 8-9=-4844/1127
BOT CHORD 2-15=-1091/4428, 14-15=-906/3886, 13-14=-679/3350, 12-13=-679/3350, 11-12=-784/3881, 9-11=-968/4415
WEBS 3-15=-413/206, 4-15=-771/467, 4-14=-884/287, 5-14=-108/648, 6-14=-358/136, 6-12=-138/604, 7-12=-800/292, 7-11=-771/463, 8-11=-406/206

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 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 507 lb uplift at joint 2 and 507 lb uplift at joint 9.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 491 lb down and 178 lb up at 17-10-15, and 219 lb down and 91 lb up at 19-6-0, and 491 lb down and 178 lb up at 21-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)
Vert: 1-5=-66, 5-6=-66, 6-10=-66, 16-19=-14
Concentrated Loads (lb)
Vert: 24=-417, 25=-159, 26=-417



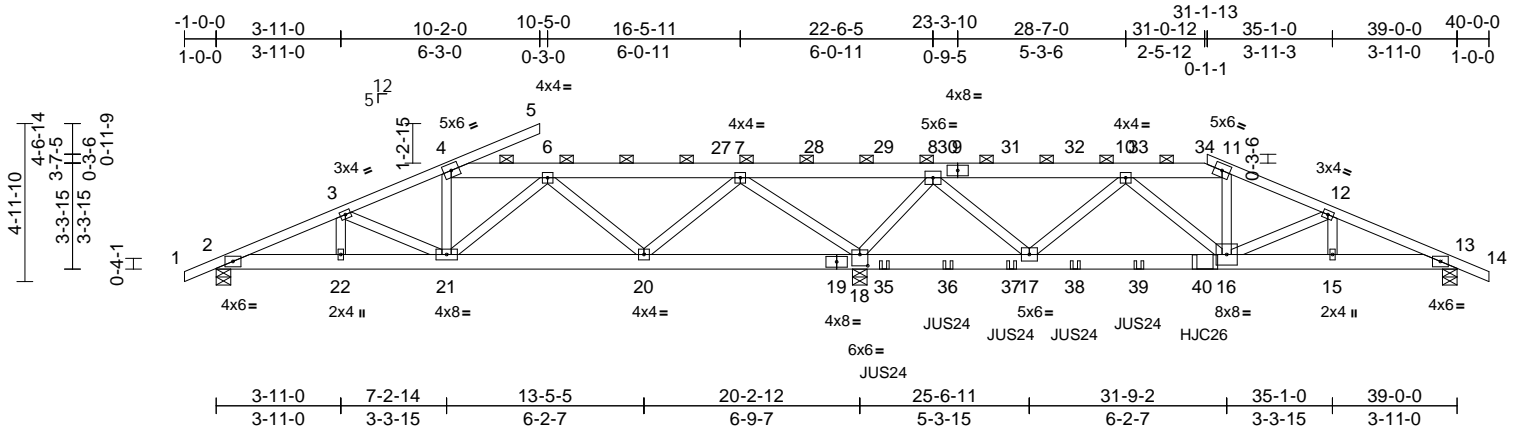
October 3, 2023

Job J1149588A	Truss B1	Truss Type California Girder	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903908
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:72.4

Plate Offsets (X, Y): [18:0-3-0,0-4-4]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.11	16-17	>999	360	MT20 220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.17	16-17	>999	240	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.03	13	n/a	n/a	
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.05	16-17	>999	240	
											Weight: 226 lb FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E *Except* 4-9-9-11:2x6 DF SS
BOT CHORD 2x6 DF SS
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-7 oc purlins, except 2-0-0 oc purlins (5-1-6 max.): 4-11.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=609/0-5-8, 13=1302/0-5-8, 18=3838/0-5-8
Max Horiz 2=94 (LC 14)
Max Uplift 2=-266 (LC 48), 13=-308 (LC 11), 18=-874 (LC 7)
Max Grav 2=881 (LC 33), 13=1564 (LC 35), 18=3838 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1528/574, 3-4=-1106/575, 4-6=-989/595, 6-27=-321/743, 7-27=-321/743, 7-28=-521/2603, 28-29=-521/2603, 8-29=-521/2603, 8-30=-1255/328, 9-30=-1255/328, 9-31=-1255/328, 31-32=-1255/328, 10-32=-1255/328, 10-33=-2706/571, 33-34=-2695/567, 11-34=-2689/567, 11-12=-2981/593, 12-13=-3217/647
BOT CHORD 2-22=-535/1364, 21-22=-535/1364, 20-21=-655/545, 19-20=-1342/327, 18-19=-1342/327, 18-35=-658/322, 35-36=-658/322, 36-37=-658/322, 17-37=-658/322, 17-38=-512/2491, 38-39=-512/2491, 39-40=-512/2491, 16-40=-512/2491, 15-16=-544/2940, 13-15=-544/2940

WEBS 3-21=-426/116, 11-16=-167/968, 12-16=-276/249, 6-21=-108/586, 6-20=-1177/288, 7-20=-199/1269, 7-18=-1949/520, 8-18=-3178/807, 8-17=-272/2230, 10-17=-1702/457, 10-16=-81/331

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.0; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 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 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 266 lb uplift at joint 2, 308 lb uplift at joint 13 and 874 lb uplift at joint 18.
 - 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

- 11) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 21-0-0 from the left end to 29-0-0 to connect truss(es) to front face of bottom chord.
- 12) Use MiTek HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent at 31-0-14 from the left end to connect truss(es) to front face of bottom chord.
- 13) Fill all nail holes where hanger is in contact with lumber.
- 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 259 lb down and 139 lb up at 21-0-0, 258 lb down and 139 lb up at 23-0-0, 292 lb down and 138 lb up at 25-0-0, 333 lb down and 138 lb up at 27-0-0, and 351 lb down and 133 lb up at 29-0-0, and 162 lb down and 107 lb up at 31-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)



October 3, 2023

Continued on page 3

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1149588A	Truss B1	Truss Type California Girder	Qty 1	Ply 1	D.R. Horton-Crimson Hill I14903908 Job Reference (optional)
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 2

Vert: 1-4=-66, 4-5=-66, 4-11=-66, 11-14=-66,
2-13=-14

Concentrated Loads (lb)

Vert: 29=-164, 30=-163, 31=-208, 32=-262, 33=-285,
34=-48, 35=-76 (F), 36=-74 (F), 37=-74 (F), 38=-78
(F), 39=-92 (F), 40=-781 (F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



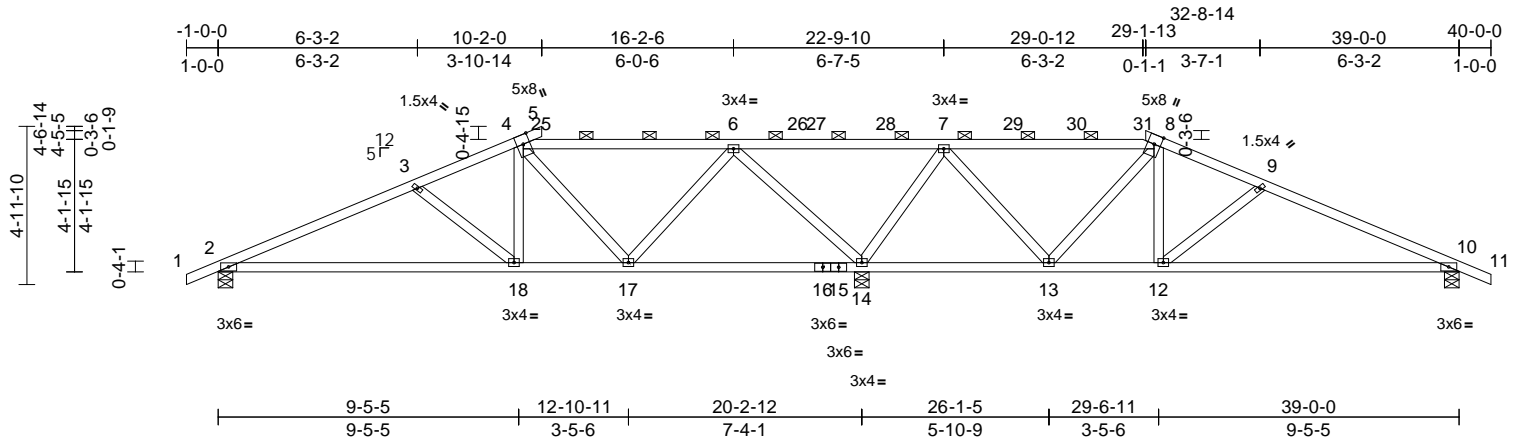
the**TRUSSCO.** INC.

Job J1149588A	Truss B2	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903909
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:72.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.15	18-21	>999	360	MT20 220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.28	18-21	>874	240	
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.85	Horz(CT)	0.02	10	n/a	n/a	
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.07	12-24	>999	240	
											Weight: 173 lb FT = 20%

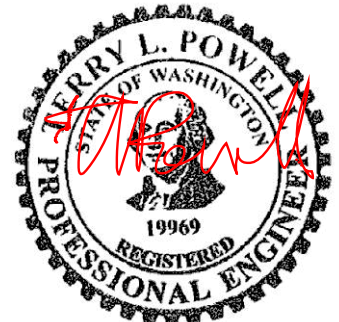
LUMBER	
TOP CHORD	2x4 DF 1800F 1.6E
BOT CHORD	2x4 DF 1800F 1.6E
WEBS	2x4 DF Stud
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 4-11-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
REACTIONS	
(lb/size)	2=661/0-5-8, 10=727/0-5-8, 14=2518/0-5-8
Max Horiz	2=81 (LC 14)
Max Uplift	2=-193 (LC 48), 10=-231 (LC 11), 14=-631 (LC 7)
Max Grav	2=877 (LC 33), 10=1009 (LC 35), 14=2551 (LC 18)
FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1243/324, 3-4=-780/274, 4-25=-275/254, 6-25=-275/254, 6-26=-240/1221, 26-27=-240/1221, 27-28=-240/1221, 7-28=-240/1221, 7-29=-454/226, 29-30=-454/226, 30-31=-454/226, 8-31=-454/226, 8-9=-1136/351, 9-10=-1572/418
BOT CHORD	2-18=-306/1090, 17-18=-176/638, 16-17=-441/200, 15-16=-441/200, 14-15=-441/200, 13-14=-254/250, 12-13=-189/983, 10-12=-312/1391
WEBS	4-18=-65/480, 8-12=-85/456, 3-18=-550/180, 9-12=-496/222, 4-17=-706/155, 6-17=-98/753, 6-14=-1432/370, 7-14=-1755/527, 7-13=-146/827, 8-13=-814/183

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 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 193 lb uplift at joint 2, 231 lb uplift at joint 10 and 631 lb uplift at joint 14.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 186 lb down and 104 lb up at 21-0-0, 228 lb down and 104 lb up at 23-0-0, 237 lb down and 101 lb up at 25-0-0, and 151 lb down and 71 lb up at 27-0-0, and 254 lb down and 150 lb up at 29-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-4=-66, 4-5=-66, 4-8=-66, 8-11=-66, 19-22=-14
Concentrated Loads (lb)
Vert: 7=-146, 28=-90, 29=-160, 30=-66, 31=-155

NOTES

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

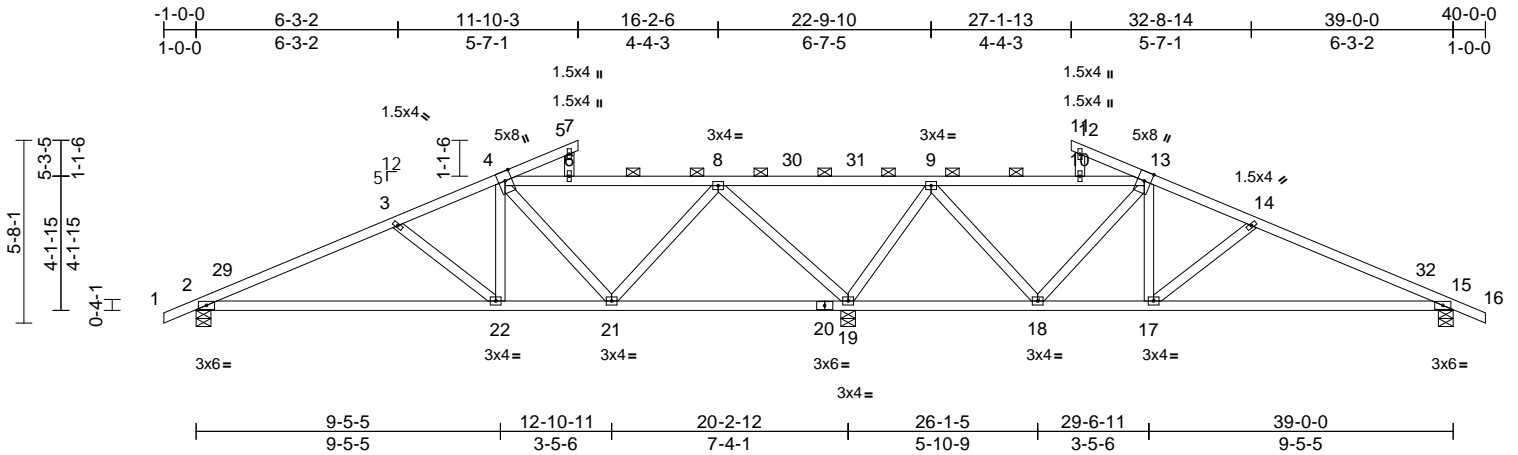


Job J1149588A	Truss B3	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903910
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:23
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Page: 1



Scale = 1:71.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.15	22-28	>999	360	MT20 220/195	
TCDL	8.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.28	22-28	>873	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.78	Horz(CT)	0.02	15	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.07	22-28	>999	240		
											Weight: 180 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF 1800F 1.6E
BOT CHORD	2x4 DF 1800F 1.6E
WEBS	2x4 DF Stud
OTHERS	2x4 DF Stud

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-2-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-13.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

(lb/size)	2=688/0-5-8, 15=614/0-5-8, 19=1986/0-5-8
Max Horiz	2=-86 (LC 11)
Max Uplift	2=-167 (LC 10), 15=-169 (LC 11), 19=-399 (LC 6)
Max Grav	2=879 (LC 33), 15=819 (LC 35), 19=2005 (LC 18)

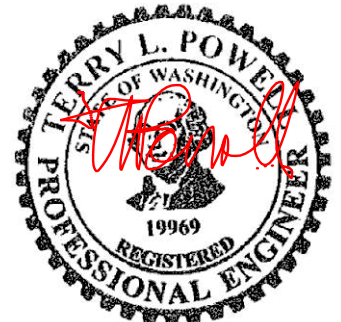
FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-29=-1420/236, 3-29=-1417/254, 3-4=-982/183, 4-6=-416/134, 6-8=-416/134, 8-30=-127/1024, 30-31=-127/1024, 9-31=-127/1024, 13-14=-824/188, 14-32=-1263/259, 15-32=-1267/241
BOT CHORD	2-22=-247/1249, 21-22=-118/839, 20-21=-270/142, 19-20=-270/142, 18-19=-464/131, 17-18=-36/690, 15-17=-165/1108
WEBS	4-22=-53/448, 13-17=-48/463, 3-22=-499/161, 14-17=-508/161, 4-21=-652/145, 8-21=-89/701, 8-19=-1323/321, 9-19=-1171/294, 9-18=-98/757, 13-18=-742/136

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 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 169 lb uplift at joint 15, 167 lb uplift at joint 2 and 399 lb uplift at joint 19.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) 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



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

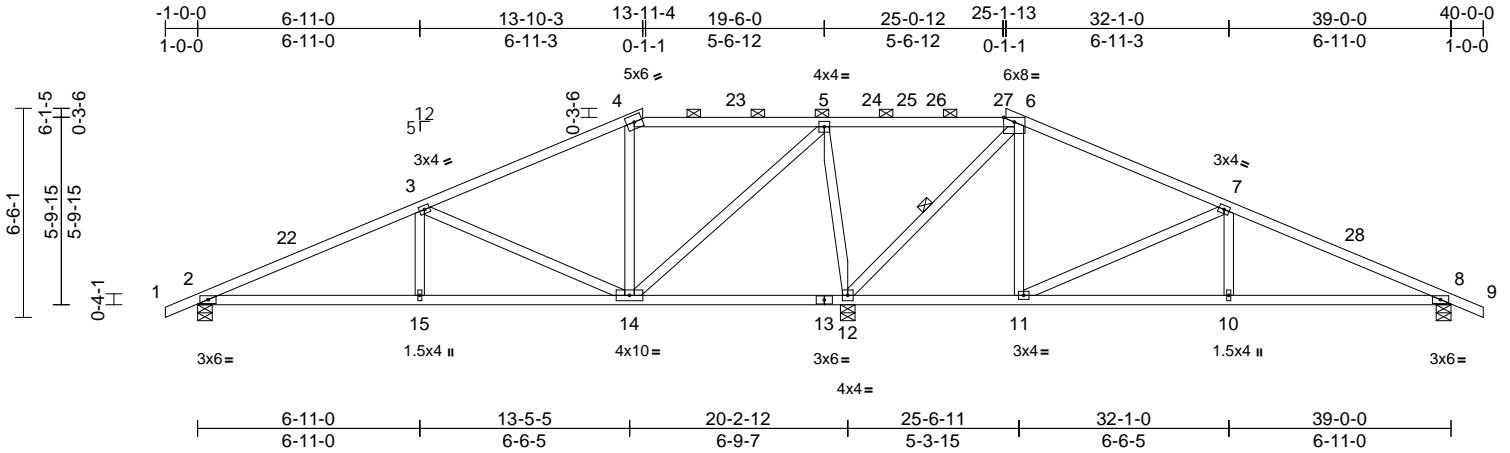


Job J1149588A	Truss B4	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903911
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:23
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Page: 1



Scale = 1:71.7

Plate Offsets (X, Y): [6:0-4-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.09	10-21	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.15	10-21	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.96	Horz(CT)	0.02	8	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	10-21	>999	240		
											Weight: 178 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud *Except* 14-5,12-6:2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-8 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-12

REACTIONS (lb/size)
2=617/0-5-8, 8=659/0-5-8, 12=2722/0-5-8
Max Horiz 2=97 (LC 14)
Max Uplift 2=-185 (LC 48), 8=-212 (LC 11), 12=-581 (LC 6)
Max Grav 2=777 (LC 33), 8=842 (LC 35), 12=2722 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-1282/276, 3-22=-1103/289, 3-4=-298/240, 5-24=-102/916, 24-25=-102/916, 25-26=-102/916, 26-27=-102/916, 6-27=-102/916, 6-7=-490/212, 7-28=-1376/355, 8-28=-1447/344
BOT CHORD 2-15=-288/1119, 14-15=-288/1119, 13-14=-726/232, 12-13=-726/232, 11-12=-142/327, 10-11=-252/1270, 8-10=-252/1270
WEBS 3-14=-1066/283, 4-14=-297/106, 5-14=-210/1117, 5-12=-1541/399, 6-12=-1734/409, 6-11=-69/478, 7-11=-1018/294, 7-10=0/253

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.0; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 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 185 lb uplift at joint 2, 581 lb uplift at joint 12 and 212 lb uplift at joint 8.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 318 lb down and 130 lb up at 21-0-0, and 238 lb down and 100 lb up at 23-0-0, and 398 lb down and 155 lb up at 25-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)
Vert: 1-4=-66, 4-6=-66, 6-9=-66, 16-19=-14
Concentrated Loads (lb)
Vert: 24=-248, 26=-167, 27=-332



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

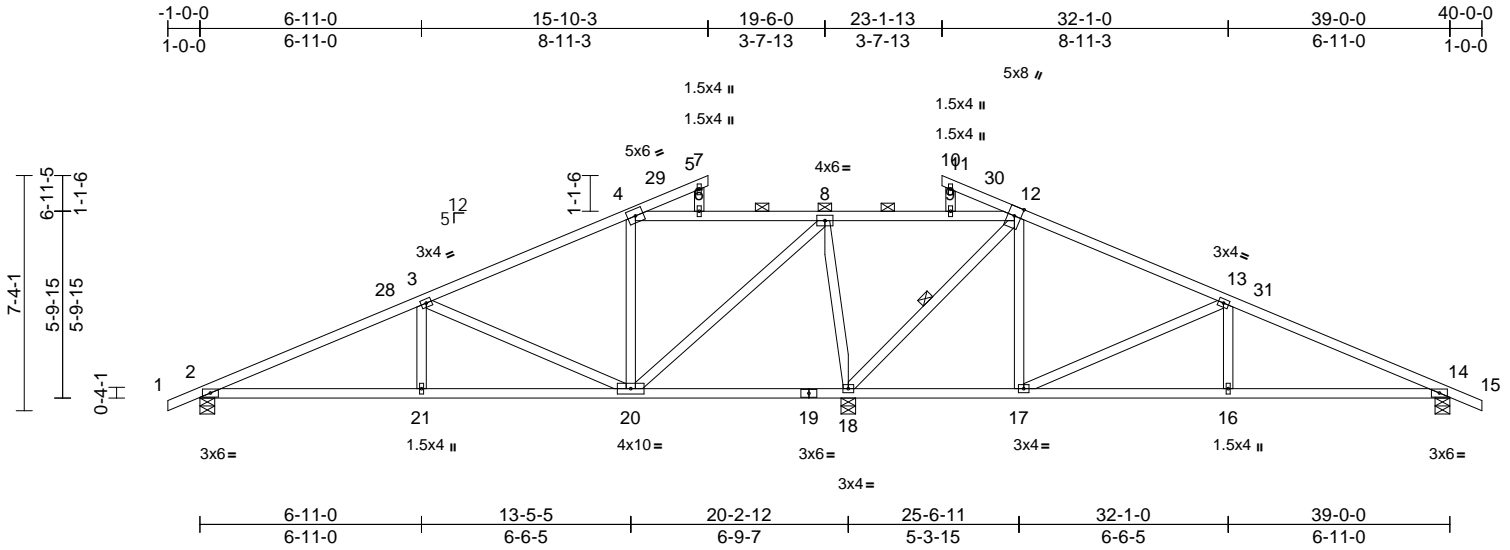


Job J1149588A	Truss B5	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903912
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:71.9

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.08	21-24	>999	360	MT20 220/195	
TCDL	8.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.13	21-24	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.82	Horz(CT)	0.02	14	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	21-24	>999	240		
											Weight: 186 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud *Except* 20-8,18-12:2x4 HF No.2
OTHERS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-12.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 12-18

REACTIONS (lb/size) 2=647/0-5-8, 14=570/0-5-8, 18=2071/0-5-8
Max Horiz 2=-113 (LC 11)
Max Uplift 2=-173 (LC 10), 14=-177 (LC 11), 18=-324 (LC 6)
Max Grav 2=783 (LC 33), 14=704 (LC 35), 18=2071 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-28=-1311/242, 3-28=-1182/254, 3-4=-497/141, 4-6=-346/179, 6-8=-349/180, 8-9=-42/826, 9-12=-42/826, 12-13=-281/272, 13-31=-984/264, 14-31=-1114/253
BOT CHORD 2-21=-270/1167, 20-21=-270/1167, 19-20=-676/221, 18-19=-676/221, 16-17=-167/986, 14-16=-167/986
WEBS 3-20=-896/259, 4-20=-404/128, 8-20=-255/1265, 8-18=-1318/273, 12-18=-1278/246, 12-17=-52/438, 13-17=-911/257, 13-16=0/254

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 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 173 lb uplift at joint 2, 324 lb uplift at joint 18 and 177 lb uplift at joint 14.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) 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



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

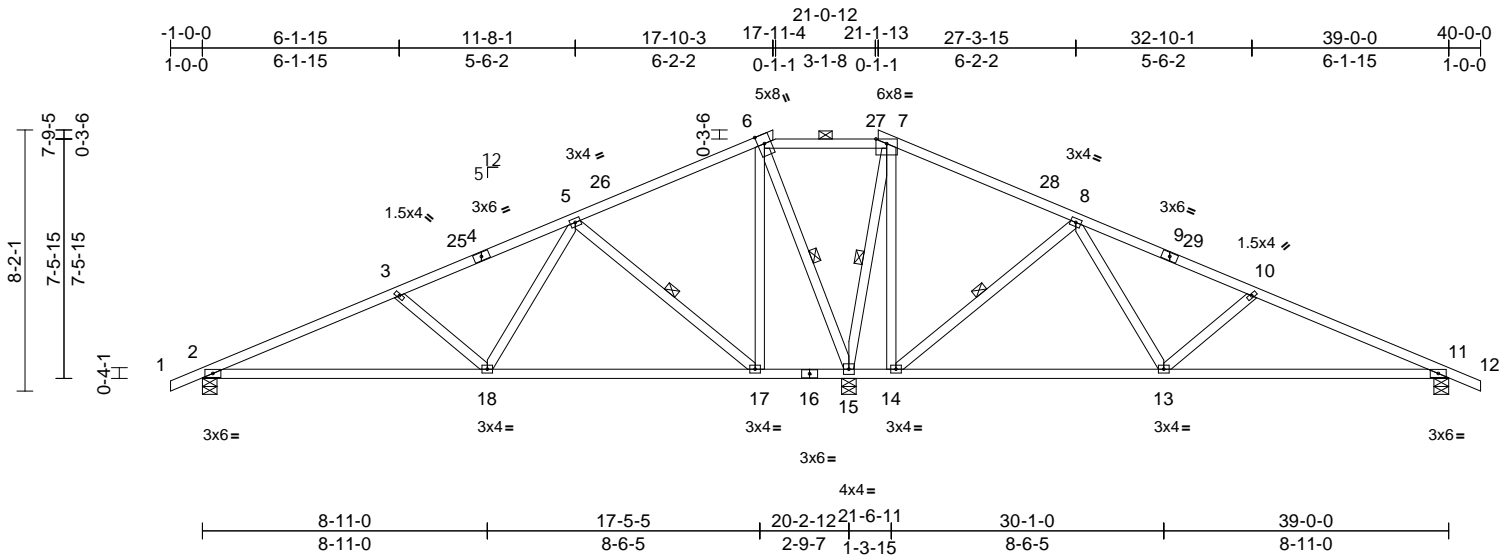


Job J1149588A	Truss B6	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903913
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:72.1

Plate Offsets (X, Y): [7:0-4:0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.10	18-21	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.19	18-21	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.41	Horz(CT)	0.02	15	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	18-21	>999	240		
											Weight: 189 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 HF No.2 *Except*
18-3,18-5,13-8,13-10:2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17, 6-15, 7-15, 8-14

REACTIONS (lb/size) 2=590/0-5-8, 11=525/0-5-8, 15=2485/0-5-8
Max Horiz 2=122 (LC 10)
Max Uplift 2=-161 (LC 48), 11=-173 (LC 11), 15=453 (LC 10)
Max Grav 2=707 (LC 33), 11=647 (LC 35), 15=2485 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1119/243, 3-25=-808/156, 4-25=-735/162, 4-5=-650/172, 5-26=-22/438, 6-26=-12/524, 6-27=-59/804, 7-27=-59/804, 7-28=-88/679, 8-28=-98/551, 8-9=-497/202, 9-29=-582/193, 10-29=-655/186, 10-11=-967/273
BOT CHORD 2-18=-276/997, 17-18=-113/431, 16-17=-442/254, 15-16=-442/254, 14-15=-582/254, 13-14=-211/288, 11-13=-182/857
WEBS 3-18=-430/205, 5-18=-78/496, 5-17=-937/283, 6-17=-112/661, 6-15=-1211/242, 7-15=-1476/288, 7-14=-88/618, 8-14=-941/284, 8-13=-79/501, 10-13=-432/205

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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 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 161 lb uplift at joint 2, 453 lb uplift at joint 15 and 173 lb uplift at joint 11.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 414 lb down and 150 lb up at 21-1-1 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)
Vert: 1-6=-66, 6-7=-66, 7-12=-66, 19-22=-14
Concentrated Loads (lb)
Vert: 27=-348



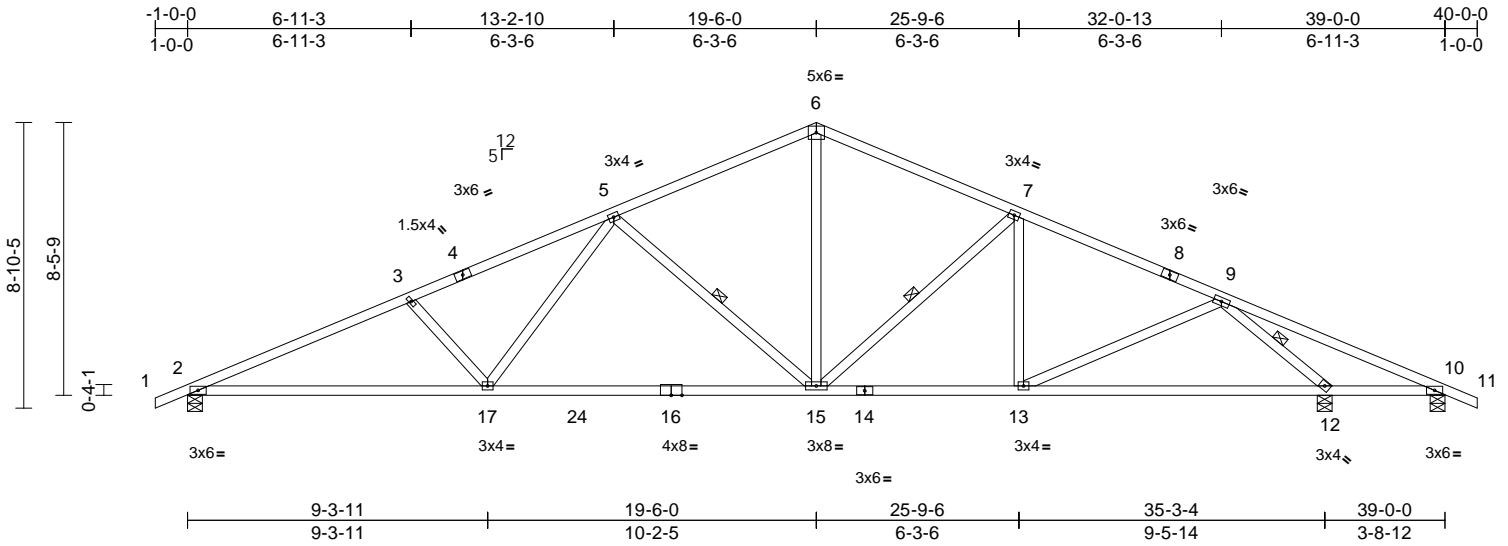
October 3, 2023

Job J1149588A	Truss B7	Truss Type Common	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903914
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:25
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.38	15-17	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.59	15-17	>719	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.56	Horz(CT)	0.10	12	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	17-20	>999	240		
BCDL	7.0										Weight: 177 lb	FT = 20%

LUMBER	
TOP CHORD	2x4 DF 1800F 1.6E
BOT CHORD	2x4 DF 1800F 1.6E
WEBS	2x4 DF Stud *Except* 15-5,15-6,15-7:2x4 HF No.2
BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-7-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-15, 7-15, 9-12
REACTIONS	
(lb/size)	2=1446/0-5-8, 10=173/0-5-8, 12=1980/0-5-8
Max Horiz	2=138 (LC 10)
Max Uplift	2=-310 (LC 10), 10=-309 (LC 3), 12=-317 (LC 11)
Max Grav	2=1498 (LC 2), 10=31 (LC 10), 12=2114 (LC 2)
FORCES	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-3086/607, 3-4=-2859/539, 4-5=-2740/558, 5-6=-1731/348, 6-7=-1731/366, 7-8=-1820/381, 8-9=-1937/362, 9-10=-172/1088
BOT CHORD	2-17=-620/2814, 17-24=-411/2144, 16-24=-411/2144, 15-16=-411/2144, 14-15=-189/1728, 13-14=-189/1728, 12-13=-233/1132, 10-12=-944/188
WEBS	3-17=-436/223, 5-17=-111/759, 5-15=-936/312, 6-15=-148/967, 7-15=-446/199, 9-13=-48/745, 9-12=-2681/524

- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 2, 317 lb uplift at joint 12 and 309 lb uplift at joint 10.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

- NOTES**
- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

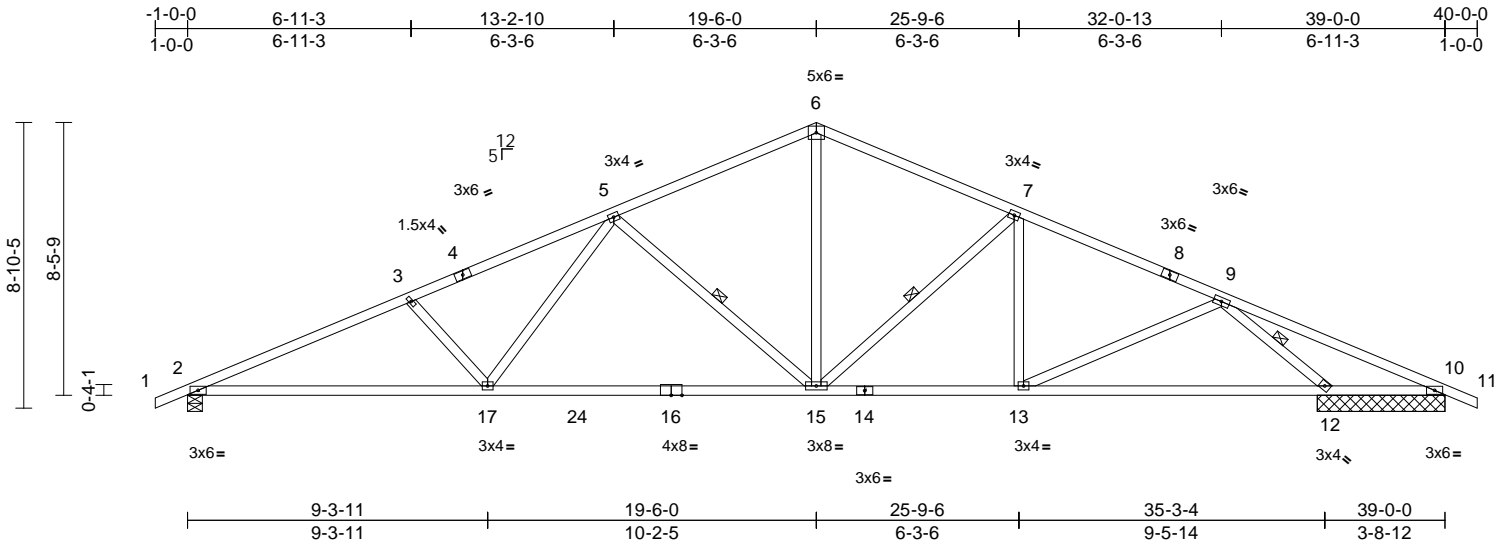


Job J1149588A	Truss B8	Truss Type Common	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903915
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:25
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Page: 1



Scale = 1:71.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.38	15-17	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.59	15-17	>719	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.56	Horz(CT)	0.10	12	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.13	17-23	>999	240		
											Weight: 177 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud *Except* 15-6,15-5,15-7:2x4 HF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15, 9-12

REACTIONS All bearings 3-11-8. except 2=0-5-8
(lb) - Max Horiz 2=138 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=311 (LC 10), 10=310 (LC 3), 12=318 (LC 11), 18=310 (LC 3)
Max Grav All reactions 250 (lb) or less at joint (s) 10, 18 except 2=1499 (LC 2), 12=2115 (LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3086/607, 3-4=-2859/539, 4-5=-2740/558, 5-6=-1731/348, 6-7=-1731/366, 7-8=-1820/381, 8-9=-1937/362, 9-10=-172/1088
BOT CHORD 2-17=-620/2814, 17-24=-411/2144, 16-24=-411/2144, 15-16=-411/2144, 14-15=-189/1728, 13-14=-189/1728, 12-13=-233/1132, 10-12=-944/188
WEBS 6-15=-148/967, 5-15=-936/312, 5-17=-111/759, 7-15=-446/199, 3-17=-436/223, 9-13=-48/745, 9-12=-2681/524

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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, with BCDL = 7.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 309 lb uplift at joint 10, 310 lb uplift at joint 2, 317 lb uplift at joint 12 and 309 lb uplift at joint 10.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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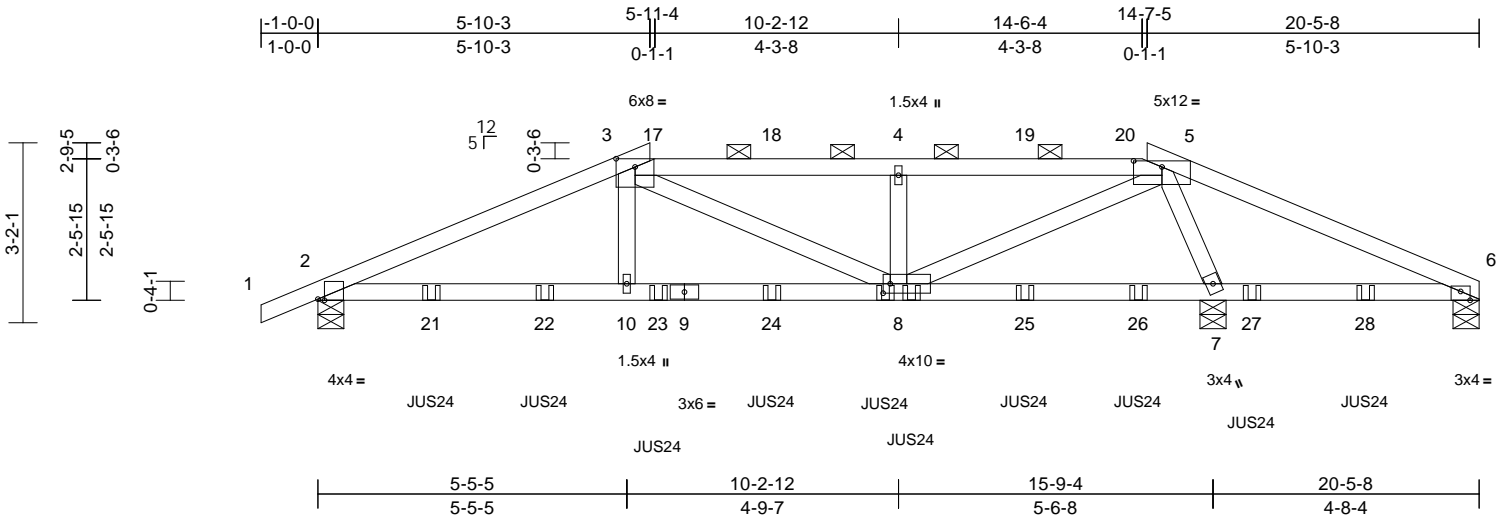


Job J1149588A	Truss C1	Truss Type California Girder	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903916
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:40.6

Plate Offsets (X, Y): [2:0-1-6,Edge], [3:0-4-0,0-1-12], [5:0-6-0,0-1-5], [6:0-2-0,Edge], [8:0-1-8,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.12	8-10	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.17	8-10	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.03	7	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.06	8-10	>999	240		
											Weight: 81 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except 2-0-0 oc purlins (3-8-11 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 5-8-9 oc bracing.

REACTIONS (lb/size) 2=1234/0-5-8, 6=-368/0-5-8, 7=2806/0-5-8
Max Horiz 2=52 (LC 14)
Max Uplift 2=-261 (LC 10), 6=-491 (LC 24), 7=-539 (LC 11)
Max Grav 2=1372 (LC 34), 6=133 (LC 26), 7=2882 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2733/504, 3-17=-2429/529, 17-18=-2429/529, 4-18=-2429/529, 4-19=-2443/534, 19-20=-2426/530, 5-20=-2424/531, 5-6=-281/1520
BOT CHORD 2-21=-457/2481, 21-22=-457/2481, 10-22=-457/2481, 10-23=-460/2464, 9-23=-460/2464, 9-24=-460/2464, 8-24=-460/2464, 7-27=-1369/286, 27-28=-1369/286, 6-28=-1369/286
WEBS 3-10=0/313, 4-8=-1159/396, 5-8=-551/2996, 5-7=-2798/630

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00

2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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 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 491 lb uplift at joint 6, 261 lb uplift at joint 2 and 539 lb uplift at joint 7.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Use MiTek JUS24 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-0 from the left end to 18-5-8 to connect truss(es) to front face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 389 lb down and 153 lb up at 5-10-14, 282 lb down and 110 lb up at 8-0-0, 274 lb down and 114 lb up at 10-0-0, 274 lb down and 114 lb up at 10-5-8, and 282 lb down and 110 lb up at 12-5-8, and 389 lb down and 153 lb up at 14-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-66, 3-5=-66, 5-6=-66, 11-14=-14
Concentrated Loads (lb)
Vert: 5=-290, 8=-115 (F), 4=-394, 17=-290, 18=-215, 19=-215, 21=-61 (F), 22=-32 (F), 23=-66 (F), 24=-66 (F), 25=-66 (F), 26=-66 (F), 27=-32 (F), 28=-61 (F)



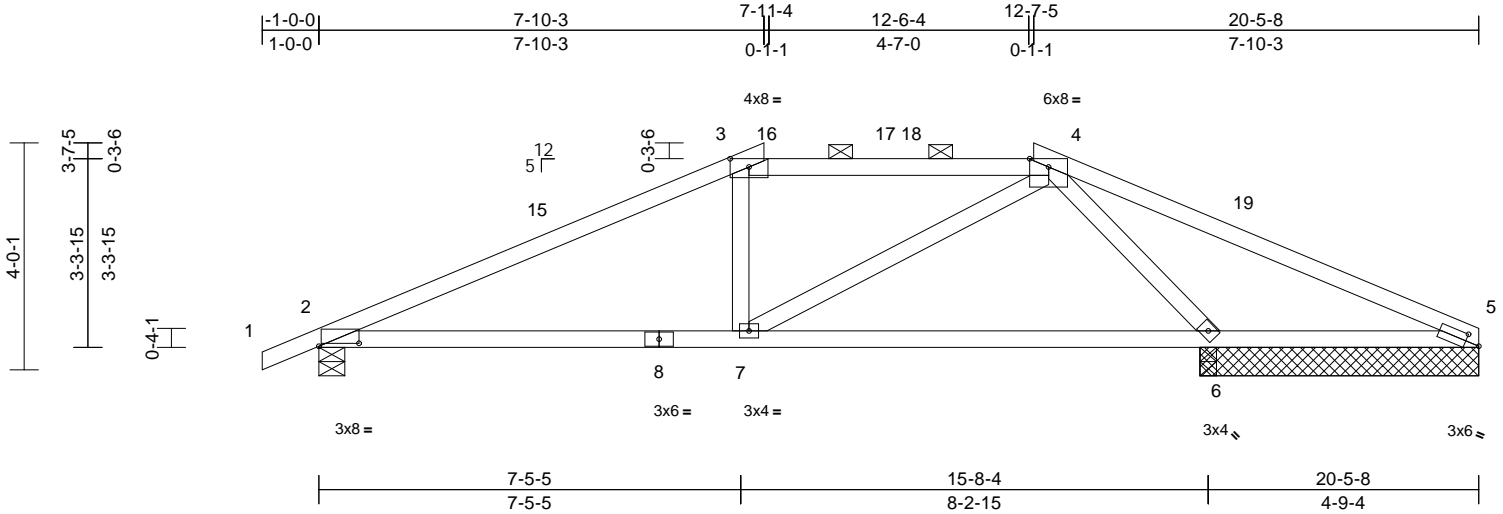
October 3, 2023

Job J1149588A	Truss C2	Truss Type California Structural Gable	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903917
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:40.6

Plate Offsets (X, Y): [2:0-8-8,0-0-10], [3:0-4-0,0-1-12], [4:0-4-0,0-1-12], [5:0-3-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.17	7-14	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.24	7-14	>800	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.73	Horz(CT)	0.03	6	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.10	7-14	>999	240		
											Weight: 77 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-2-10 oc purlins, except 2-0-0 oc purlins (3-11-15 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

All bearings 4-11-0. except 2=0-5-8, 6=0-3-8
(lb) - Max Horiz 2=63 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=277 (LC 10), 5=-137 (LC 49), 6=-364 (LC 11), 9=-137 (LC 49)
Max Grav All reactions 250 (lb) or less at joint (s) 5, 9 except 2=1176 (LC 33), 6=1664 (LC 35)

FORCES

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

TOP CHORD 2-15=-2018/475, 3-15=-1898/486, 3-16=-1775/497, 16-17=-1764/494, 17-18=-1760/493, 4-18=-1757/493, 4-19=-93/419, 5-19=-106/373
BOT CHORD 2-8=-427/1760, 7-8=-427/1760, 6-7=-282/1087, 5-6=-345/95
WEBS 3-7=-289/142, 4-7=-170/863, 4-6=-1989/546

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- Provide adequate drainage to prevent water ponding.
- 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 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 137 lb uplift at joint 5, 277 lb uplift at joint 2, 364 lb uplift at joint 6 and 137 lb uplift at joint 5.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 524 lb down and 203 lb up at 7-10-14, 151 lb down and 71 lb up at 10-0-0, and 151 lb down and 71 lb up at 10-5-8, and 524 lb down and 204 lb up at 12-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-66, 3-4=-66, 4-5=-66, 9-12=-14
Concentrated Loads (lb)
Vert: 4=-425, 16=-425, 17=-66, 18=-66



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

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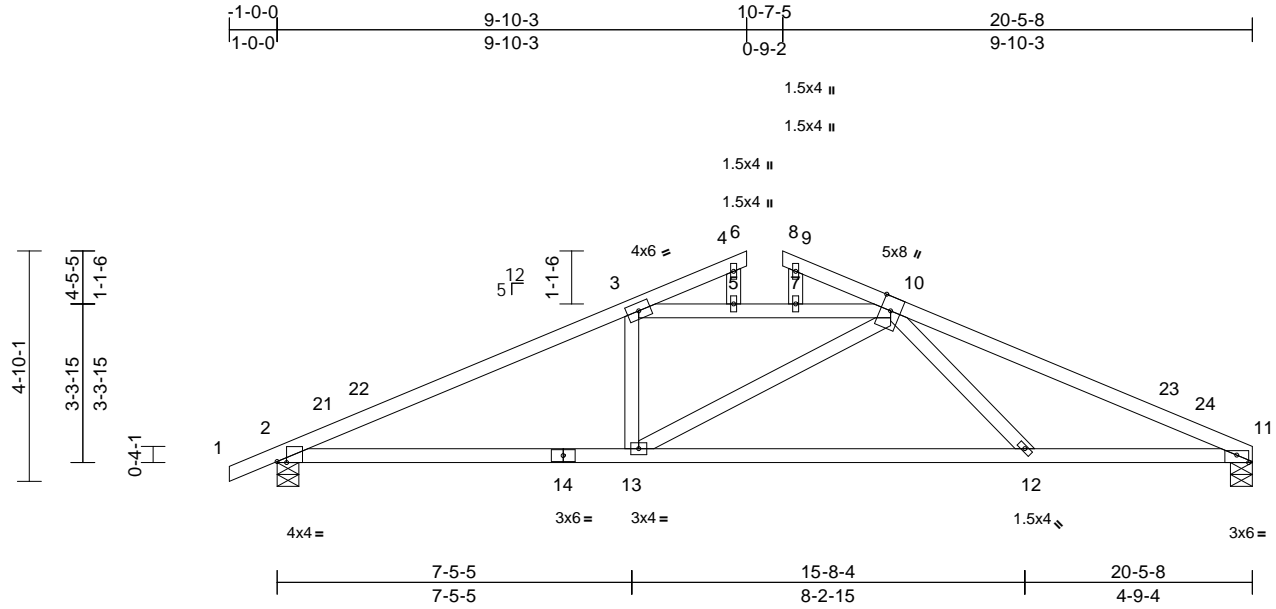


Job J1149588A	Truss C3	Truss Type California	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903918
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:48.3

Plate Offsets (X, Y): [2:0-2-6,Edge], [11:0-3-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.14	13-20	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.21	13-20	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.18	Horz(CT)	0.04	11	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.09	13-20	>999	240		
											Weight: 85 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
 BOT CHORD 2x4 DF 1800F 1.6E
 WEBS 2x4 DF Stud
 OTHERS 2x4 DF Stud

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins, except 2-0-0 oc purlins (5-5-9 max.): 3-10.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=904/0-5-8, 11=835/0-5-8
 Max Horiz 2=79 (LC 14)
 Max Uplift 2=-185 (LC 10), 11=-161 (LC 11)
 Max Grav 2=975 (LC 17), 11=907 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-21=-1717/246, 21-22=-1700/250, 3-22=-1630/268, 3-5=-1499/330, 5-7=-1505/331, 7-10=-1496/330, 10-23=-1732/267, 23-24=-1815/249, 11-24=-1829/245
 BOT CHORD 2-14=-245/1505, 13-14=-245/1505, 12-13=-196/1428, 11-12=-175/1599
 WEBS 10-12=0/345, 10-13=-249/393

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 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 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 161 lb uplift at joint 11 and 185 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) 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



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

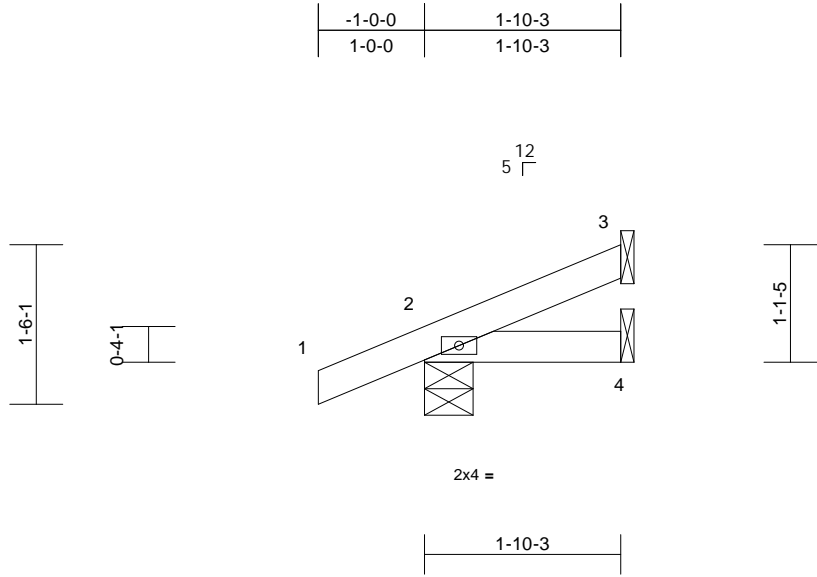


Job J1149588A	Truss JA1	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903919
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:27
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	0.00	7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	7	>999	240		
BCDL	7.0										Weight: 7 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=157/0-5-8, 3=40/ Mechanical, 4=16/ Mechanical
Max Horiz 2=42 (LC 10)
Max Uplift 2=-45 (LC 6), 3=-19 (LC 10)
Max Grav 2=215 (LC 17), 3=54 (LC 17), 4=25 (LC 5)

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

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 2 and 19 lb uplift at joint 3.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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) Refer to girder(s) for truss to truss connections.



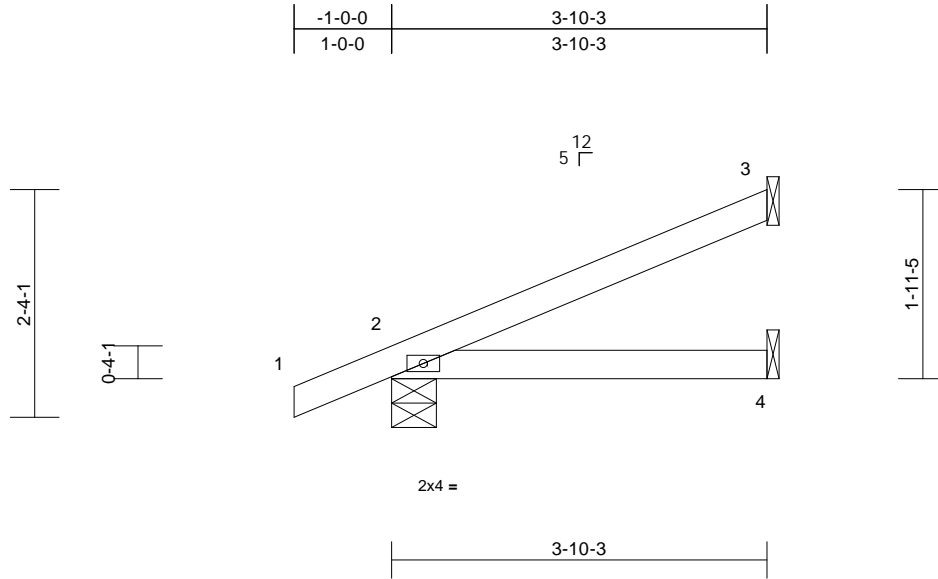
October 3, 2023

Job J1149588A	Truss JA2	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903920
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:27
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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.02	4-7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.02	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240		
BCDL	7.0										Weight: 12 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=226/0-5-8, 3=102/ Mechanical, 4=41/ Mechanical
Max Horiz 2=72 (LC 10)
Max Uplift 2=-53 (LC 10), 3=-50 (LC 10)
Max Grav 2=330 (LC 17), 3=152 (LC 17), 4=58 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3 and 53 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

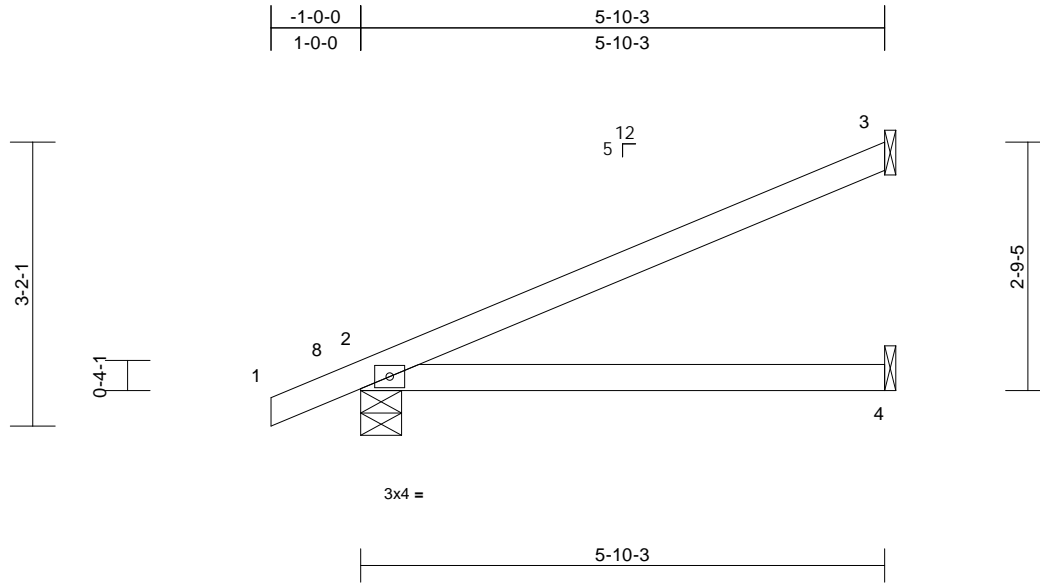


Job J1149588A	Truss JA3	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903921
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:25.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.09	4-7	>739	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.14	4-7	>510	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	4-7	>999	240		
BCDL	7.0										Weight: 18 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=303/0-5-8, 3=162/ Mechanical, 4=64/ Mechanical
Max Horiz 2=103 (LC 10)
Max Uplift 2=-66 (LC 10), 3=-80 (LC 10)
Max Grav 2=416 (LC 17), 3=246 (LC 17), 4=90 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3 and 66 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

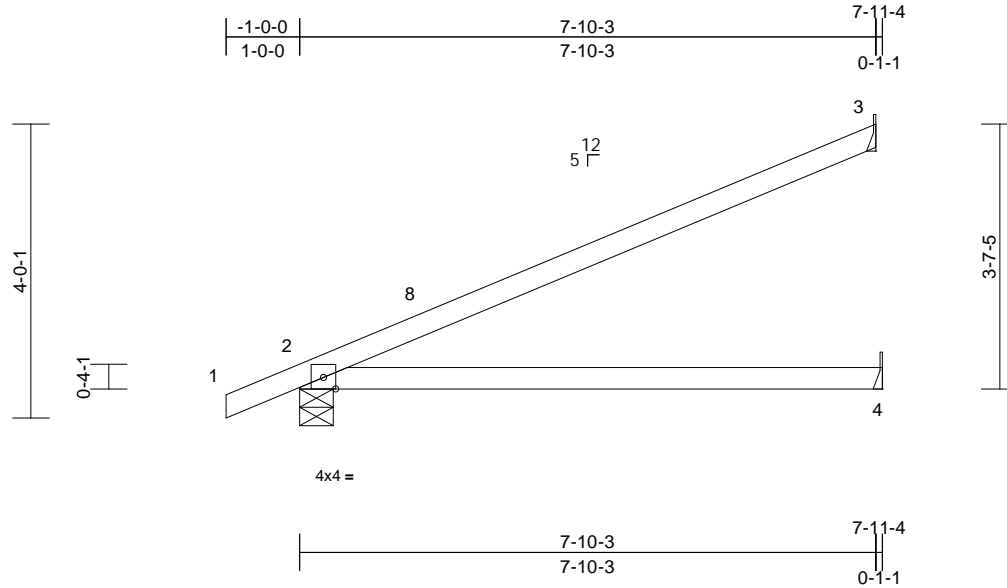


Job J1149588A	Truss JA4	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903922
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



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Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.26	4-7	>366	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.39	4-7	>241	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.14	4-7	>668	240		
BCDL	7.0										Weight: 24 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 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.

REACTIONS (lb/size) 2=383/0-5-8, 3=228/ Mechanical, 4=80/ Mechanical
Max Horiz 2=134 (LC 10)
Max Uplift 2=-79 (LC 10), 3=-112 (LC 10)
Max Grav 2=466 (LC 17), 3=340 (LC 17), 4=120 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 3 and 79 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

Safety Information

available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component

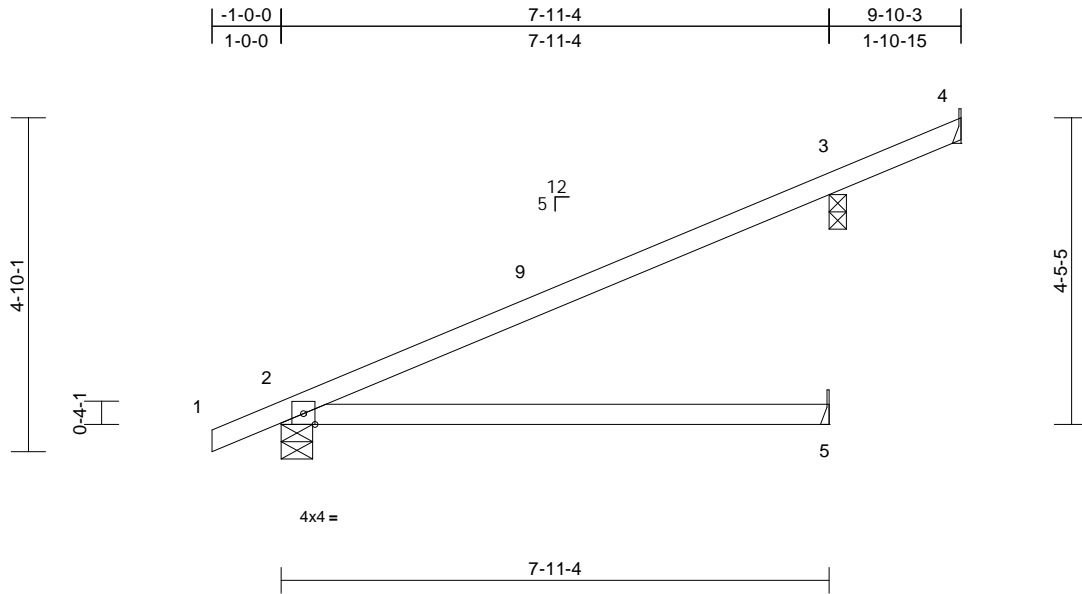


Job J1149588A	Truss JA5	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903923
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:33.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.24	5-8	>397	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.38	5-8	>250	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.16	5-8	>610	240		
BCDL	7.0										Weight: 27 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 1800F 1.6E

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.

REACTIONS All bearings 0-1-8. except 2=0-5-8, 3=0-3-0

(lb) - Max Horiz 2=166 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s)
2, 4 except 3=147 (LC 10)
Max Grav All reactions 250 (lb) or less at joint
(s) 4, 5 except 2=432 (LC 17),
3=423 (LC 17)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust)
Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 4, 2 except (jt=lb) 3=147.
 - 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
 - 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component

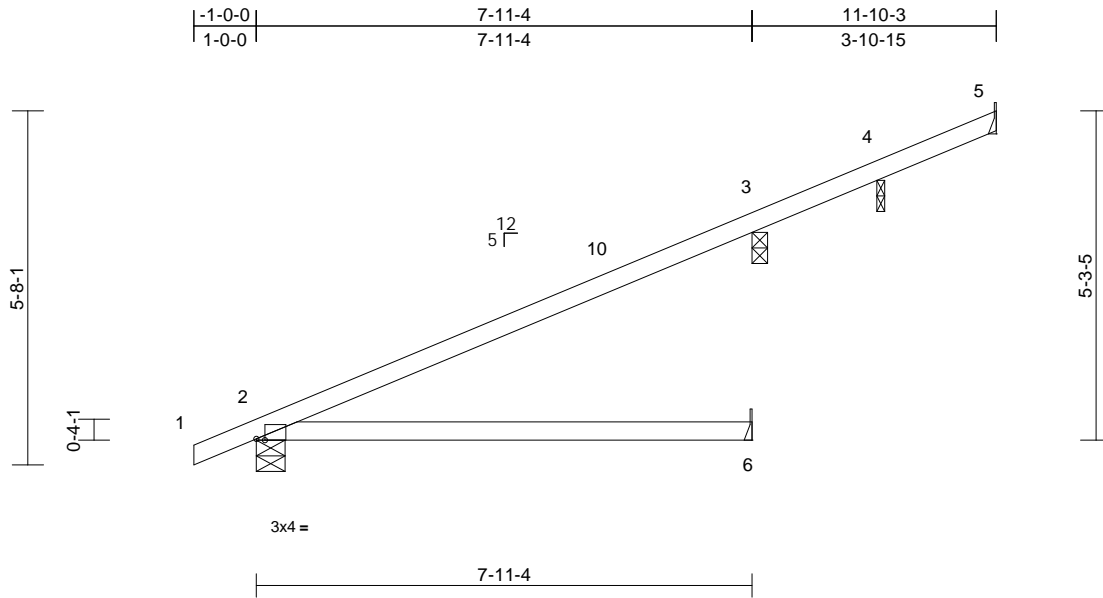


Job J1149588A	Truss JA6	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903924
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:36.9

Plate Offsets (X, Y): [2:0-1-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.22	6-9	>433	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.37	6-9	>256	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.17	6-9	>543	240		
											Weight: 30 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

All bearings 0-1-8. except 2=0-5-8, 3=0-3-0, 4=0-1-8
(lb) - Max Horiz 2=197 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 5 except 3=-149 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 4, 5, 6 except 2=403 (LC 17), 3=394 (LC 17)

FORCES

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

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5, 2, 4 except (jt=lb) 3=-149.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

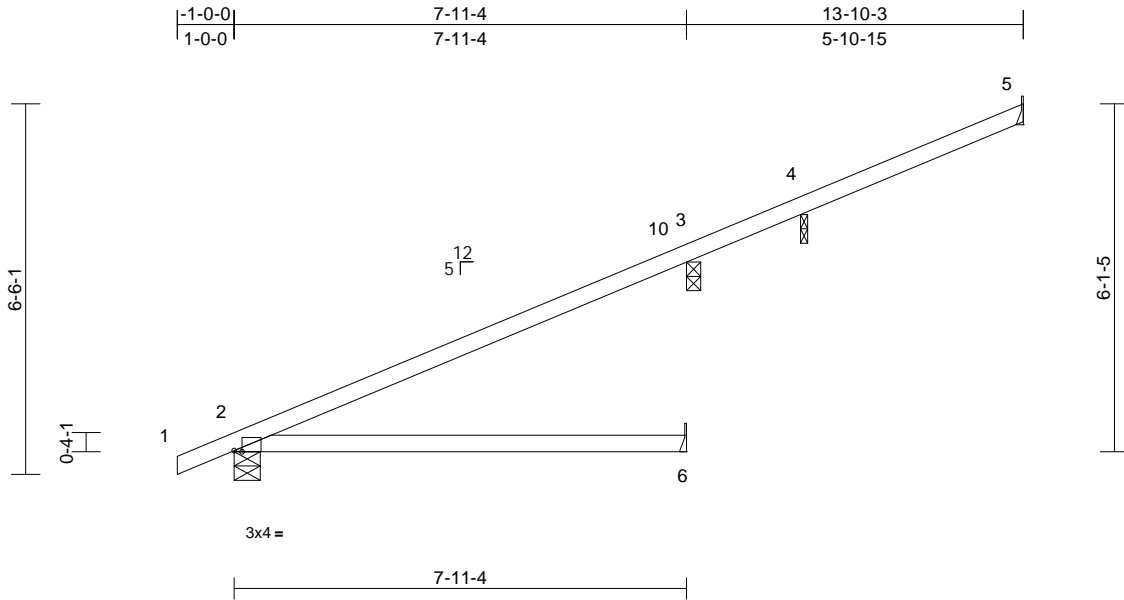


Job J1149588A	Truss JA7	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903925
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:28
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Page: 1



Scale = 1:40.4

Plate Offsets (X, Y): [2:0-1-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.19	6-9	>486	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.35	6-9	>273	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.17	6-9	>542	240		
BCDL	7.0										Weight: 33 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 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.

REACTIONS All bearings 0-1-8. except 2=0-5-8, 3=0-3-0, 4=0-1-8
(lb) - Max Horiz 2=228 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 5 except 3=150 (LC 10), 4=102 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 5, 6 except 2=391 (LC 17), 3=340 (LC 17), 4=289 (LC 17)

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

- 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5, 2 except (jt=lb) 3=149, 4=101.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TC DL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



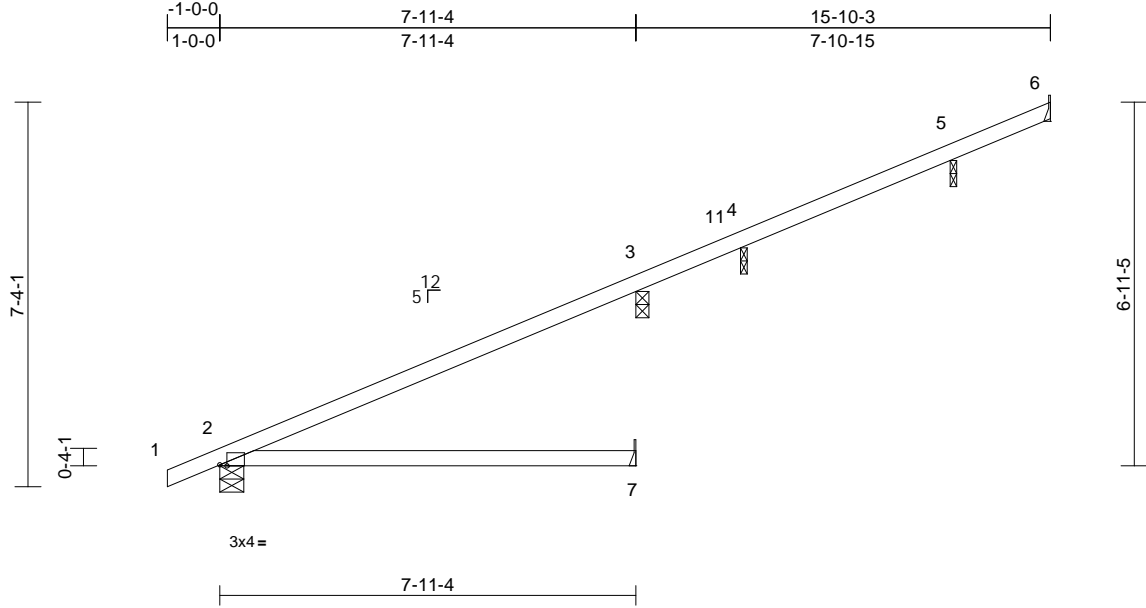
October 3, 2023

Job J1149588A	Truss JA8	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903926
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:44
Plate Offsets (X, Y): [2'-0"-1'-10", Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.19	7-10	>487	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.35	7-10	>273	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.17	7-10	>541	240		
											Weight: 36 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

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

REACTIONS All bearings 0-1-8. except 2=0-5-8, 3=0-3-0, 4=0-1-8, 5=0-1-8
(lb) - Max Horiz 2=259 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6 except 3=150 (LC 10), 4=106 (LC 10), 5=103 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 6, 7 except 2=391 (LC 17), 3=295 (LC 17), 4=276 (LC 17), 5=292 (LC 17)

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

- 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4, 5.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 6, 2 except (jt=lb) 3=149, 4=105, 5=102.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5.
 - 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



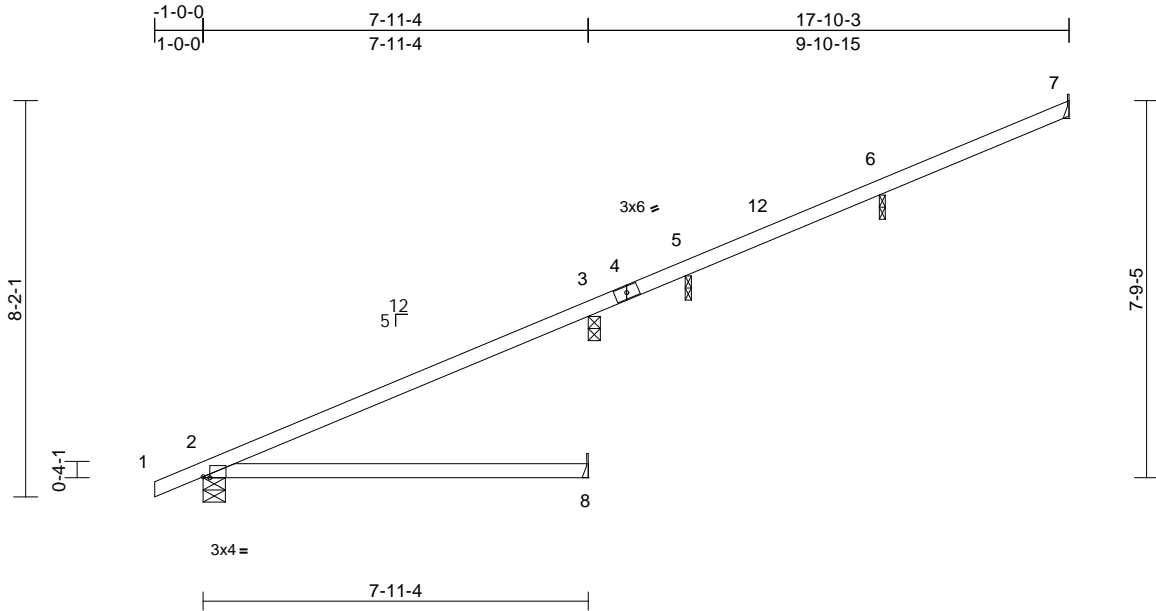
October 3, 2023

Job J1149588A	Truss JA9	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903927
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:47.5

Plate Offsets (X, Y): [2:0-1-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.19	8-11	>487	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.35	8-11	>273	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.18	8-11	>539	240		
											Weight: 39 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 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.

REACTIONS

All bearings 0-1-8. except 2=0-5-8, 3=0-3-0, 5=0-1-8, 6=0-1-8
(lb) - Max Horiz 2=290 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 7 except 3=150 (LC 10), 5=106 (LC 10), 6=138 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 5, 7, 8 except 2=391 (LC 1), 3=294 (LC 1), 6=381 (LC 17)

FORCES

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 6.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 7, 2 except (jt=lb) 3=149, 5=105, 6=138.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 5, 6.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

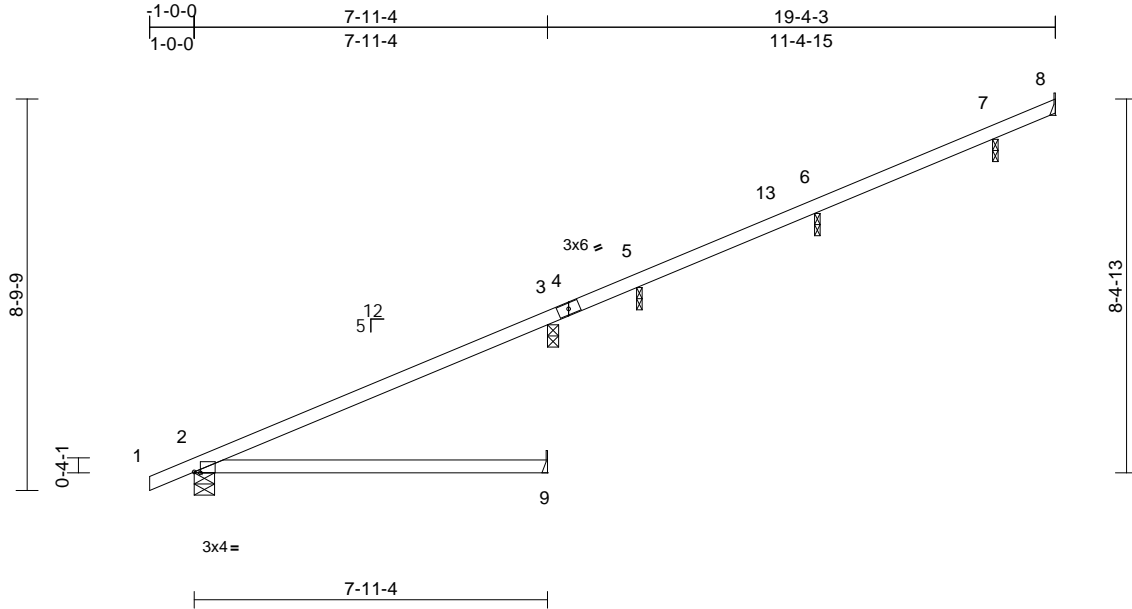


Job J1149588A	Truss JA10	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903928
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Loading		Spacing		CSI		DEFL				PLATES	GRIP	
(psf)		2-0-0				in	(loc)	l/defl	L/d			
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.19	9-12	>487	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.35	9-12	>273	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	8	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.18	9-12	>538	240		
BCDL	7.0										Weight: 41 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

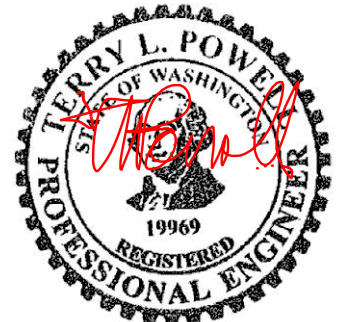
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8. except 8= Mechanical, 9= Mechanical, 2=0-5-8, 3=0-3-0
(lb) - Max Horiz 2=313 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 7, 8 except 3=-150 (LC 10), 5=-106 (LC 10), 6=-142 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 5, 8, 9 except 2=391 (LC 1), 3=294 (LC 1), 6=362 (LC 17), 7=268 (LC 17)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-257/69

- 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5, 6, 7.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 8, 2, 7 except (jt=lb) 3=149, 5=105, 6=142.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 5, 6, 7.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



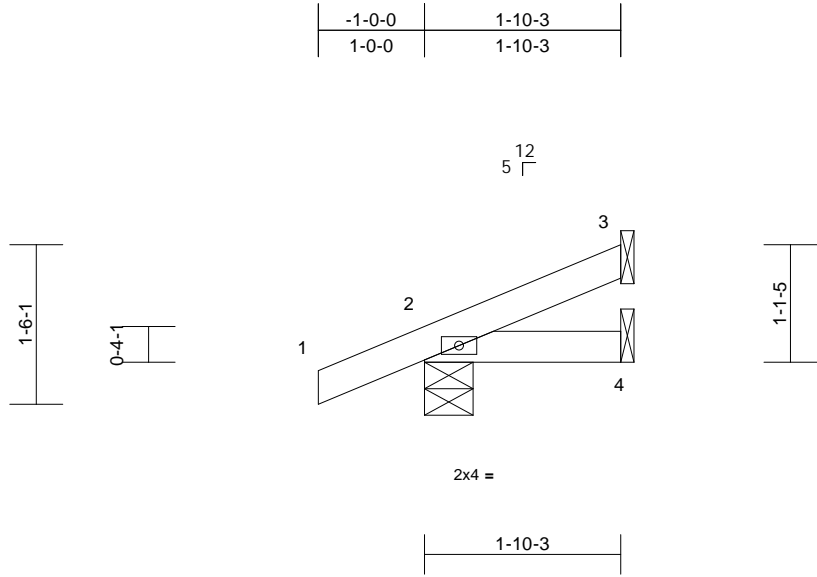
October 3, 2023

Job J1149588A	Truss JB1	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903929
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	0.00	7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	7	>999	240		
BCDL	7.0										Weight: 7 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=157/0-5-8, 3=40/ Mechanical, 4=16/ Mechanical
Max Horiz 2=42 (LC 10)
Max Uplift 2=-45 (LC 6), 3=-19 (LC 10)
Max Grav 2=215 (LC 17), 3=54 (LC 17), 4=25 (LC 5)

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

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 2 and 19 lb uplift at joint 3.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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) Refer to girder(s) for truss to truss connections.



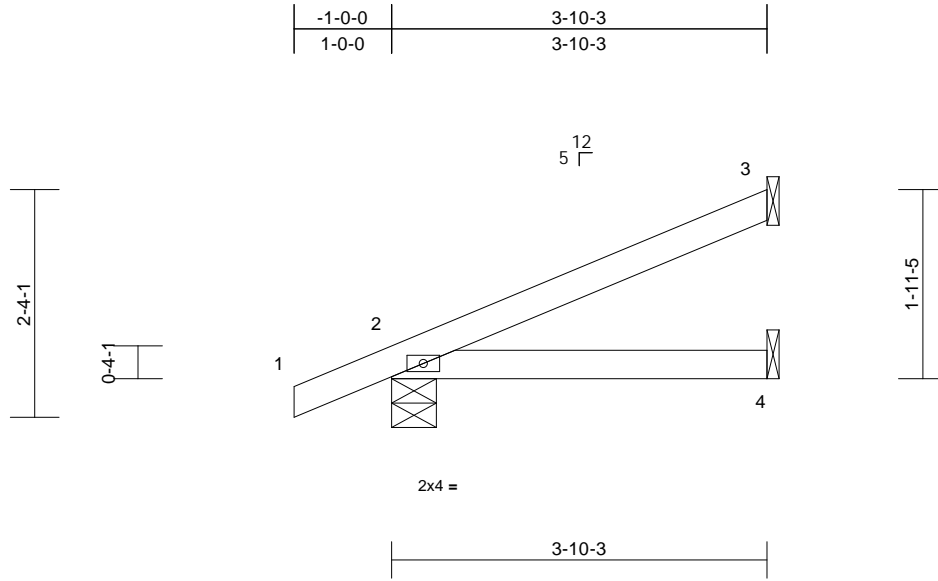
October 3, 2023

Job J1149588A	Truss JB2	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903930
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.02	4-7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.02	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240		
BCDL	7.0										Weight: 12 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=226/0-5-8, 3=102/ Mechanical, 4=41/ Mechanical
Max Horiz 2=72 (LC 10)
Max Uplift 2=-53 (LC 10), 3=-50 (LC 10)
Max Grav 2=330 (LC 17), 3=152 (LC 17), 4=58 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3 and 53 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

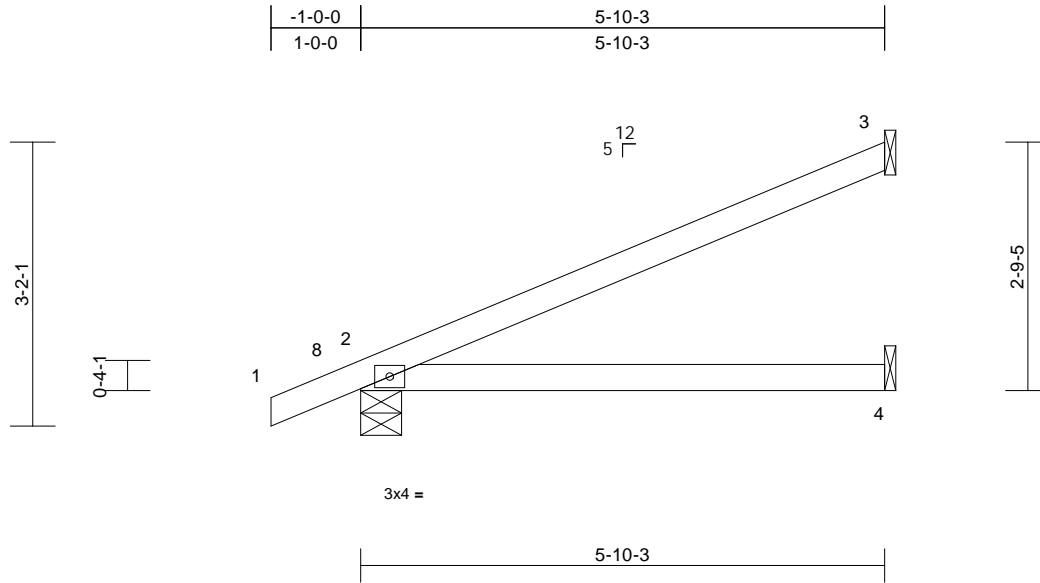


Job J1149588A	Truss JB3	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903931
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:30
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Page: 1



Scale = 1:25.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.09	4-7	>739	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.14	4-7	>510	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	4-7	>999	240		
BCDL	7.0										Weight: 18 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=303/0-5-8, 3=162/ Mechanical, 4=64/ Mechanical
Max Horiz 2=103 (LC 10)
Max Uplift 2=-66 (LC 10), 3=-80 (LC 10)
Max Grav 2=416 (LC 17), 3=246 (LC 17), 4=90 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3 and 66 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

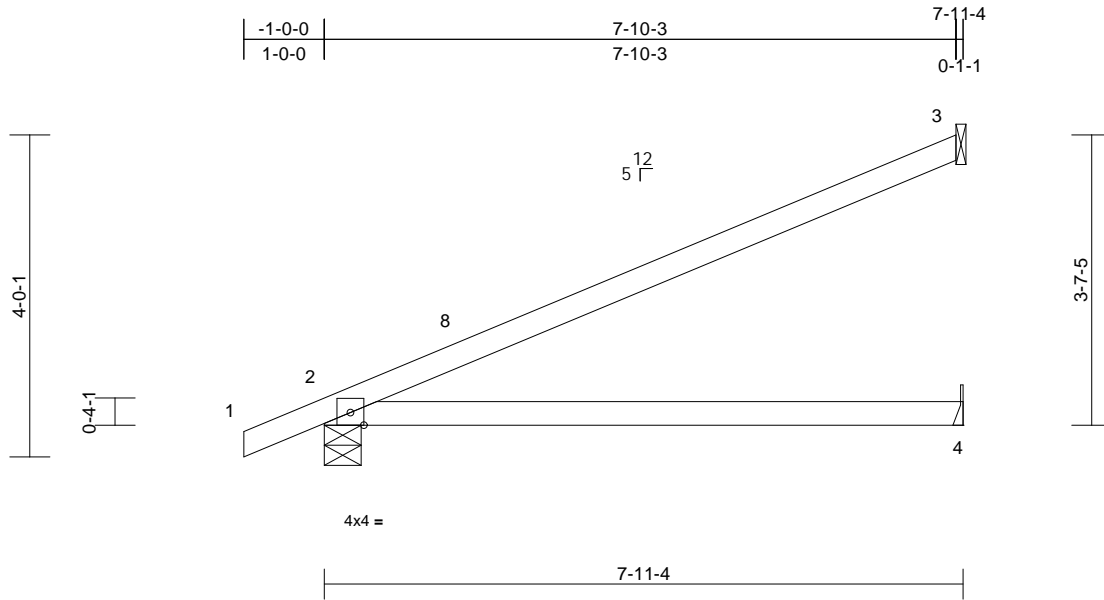


Job J1149588A	Truss JB4	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903932
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:30
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.26	4-7	>366	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.39	4-7	>241	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.14	4-7	>668	240		
BCDL	7.0										Weight: 24 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 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.

REACTIONS (lb/size) 2=383/0-5-8, 3=228/ Mechanical, 4=80/ Mechanical
Max Horiz 2=134 (LC 10)
Max Uplift 2=-79 (LC 10), 3=-112 (LC 10)
Max Grav 2=466 (LC 17), 3=340 (LC 17), 4=120 (LC 5)

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

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 3 and 79 lb uplift at joint 2.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCCL=4.2psf; BCCL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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) Refer to girder(s) for truss to truss connections.
 - 8) Refer to girder(s) for truss to truss connections.



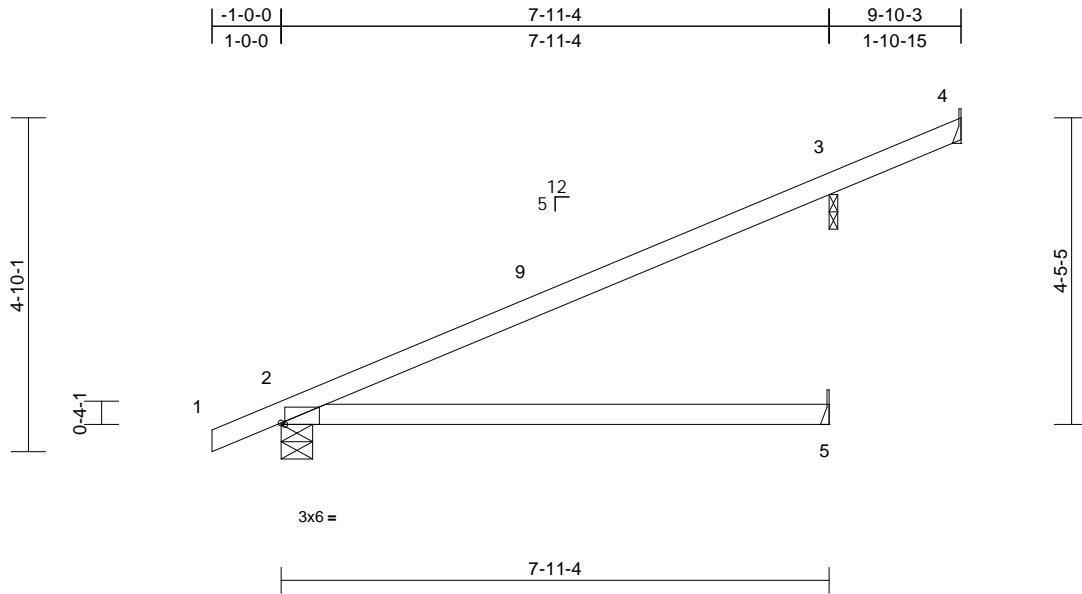
October 3, 2023

Job J1149588A	Truss JB5	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903933
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:30
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Page: 1



Scale = 1:33.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.23	5-8	>410	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.36	5-8	>263	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.15	5-8	>629	240		
											Weight: 27 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 2400F 2.0E

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

All bearings 0-1-8. except 2=0-5-8, 3=0-1-8
(lb) - Max Horiz 2=166 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4 except 3=144 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 4, 5 except 2=430 (LC 17), 3=411 (LC 17)

FORCES

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 4, 2 except (jt=lb) 3=144.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
 - 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

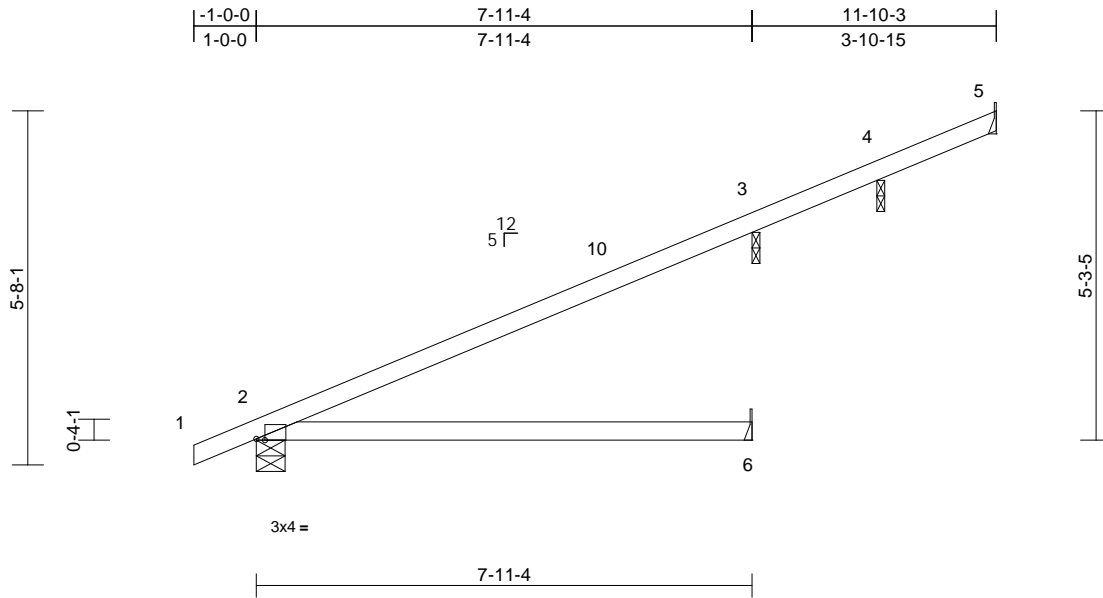


Job J1149588A	Truss JB6	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903934
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:30
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Page: 1



Scale = 1:36.9

Plate Offsets (X, Y): [2:0-1-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.21	6-9	>443	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.36	6-9	>260	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.17	6-9	>554	240		
											Weight: 30 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 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.

REACTIONS

All bearings 0-1-8. except 2=0-5-8, 3=0-1-8, 4=0-1-8
(lb) - Max Horiz 2=197 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 5 except 3=-150 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 4, 5, 6 except 2=401 (LC 17), 3=394 (LC 17)

FORCES

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

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5, 2, 4 except (jt=lb) 3=149.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

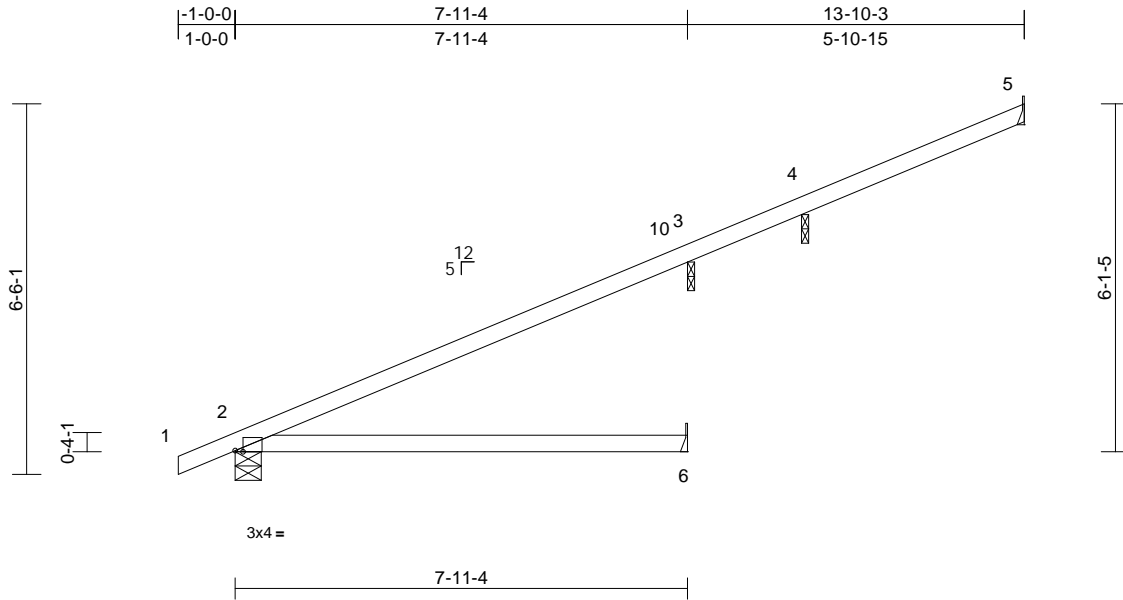


Job J1149588A	Truss JB7	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903935
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:40.4

Plate Offsets (X, Y): [2:0-1-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.19	6-9	>496	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.34	6-9	>277	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.17	6-9	>552	240		
											Weight: 33 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

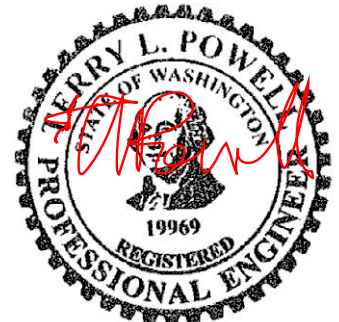
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8. except 2=0-5-8, 3=0-1-8, 4=0-1-8
(lb) - Max Horiz 2=228 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 5 except 3=150 (LC 10), 4=103 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 5, 6 except 2=389 (LC 17), 3=340 (LC 17), 4=292 (LC 17)

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

- 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5, 2 except (jt=lb) 3=149, 4=102.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



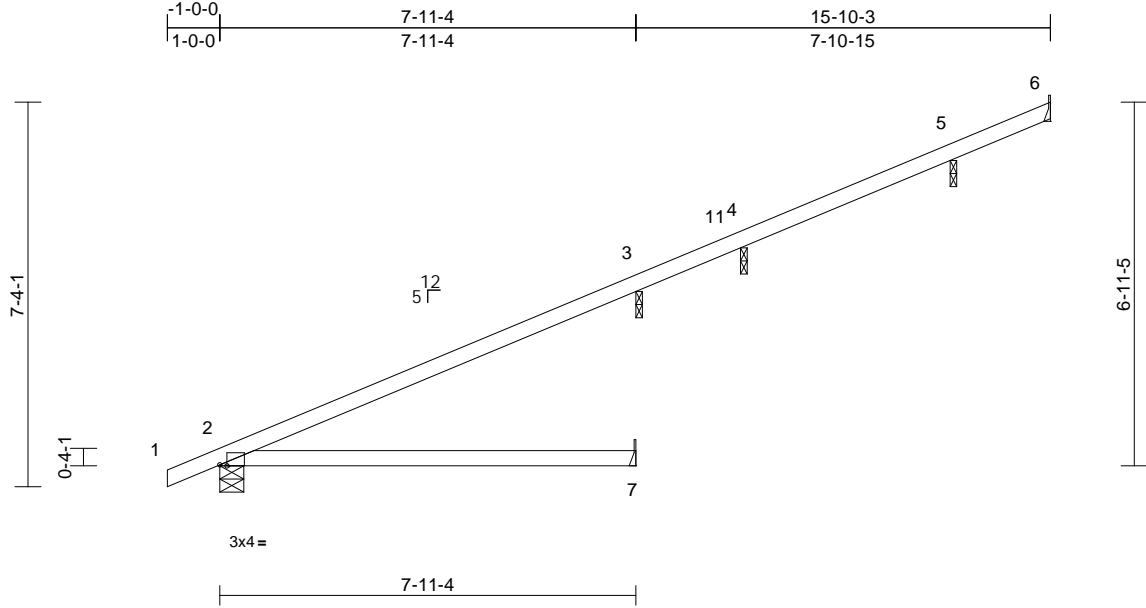
October 3, 2023

Job J1149588A	Truss JB8	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903936
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:44
Plate Offsets (X, Y): [2'-0-1-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.19	7-10	>497	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.34	7-10	>277	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.17	7-10	>551	240		
											Weight: 36 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 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.

REACTIONS All bearings 0-1-8. except 6= Mechanical, 7= Mechanical, 2=0-5-8
(lb) - Max Horiz 2=259 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 6 except 3=150 (LC 10), 4=-107 (LC 10), 5=-103 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 6, 7 except 2=389 (LC 1), 3=295 (LC 17), 4=279 (LC 17), 5=292 (LC 17)

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

- 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4, 5.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 6, 2 except (jt=lb) 3=149, 4=106, 5=102.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4, 5.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



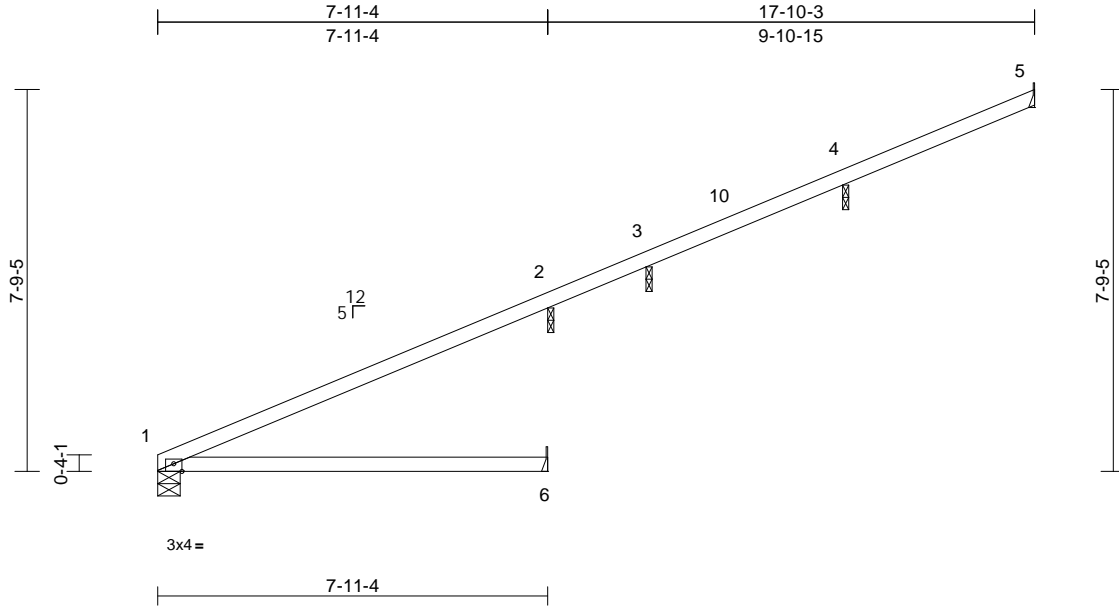
October 3, 2023

Job J1149588A	Truss JB9	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903937
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:31
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Page: 1



Scale = 1:46.9
Plate Offsets (X, Y): [1:0-2-0,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.20	6-9	>471	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.35	6-9	>267	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	-0.01	5	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.18	6-9	>527	240		
BCDL	7.0										Weight: 37 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 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.

REACTIONS All bearings 0-1-8. except 1=0-5-8, 5= Mechanical, 6= Mechanical
(lb) - Max Horiz 1=277 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 5 except 2=151 (LC 10), 3=107 (LC 10), 4=138 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 3, 5, 6 except 1=319 (LC 1), 2=296 (LC 1), 4=381 (LC 17)

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

- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2, 3, 4.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5 except (jt=lb) 2=150, 3=106, 4=138.
 - 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 3, 4.
 - 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCCL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 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 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.
 - 6) Refer to girder(s) for truss to truss connections.



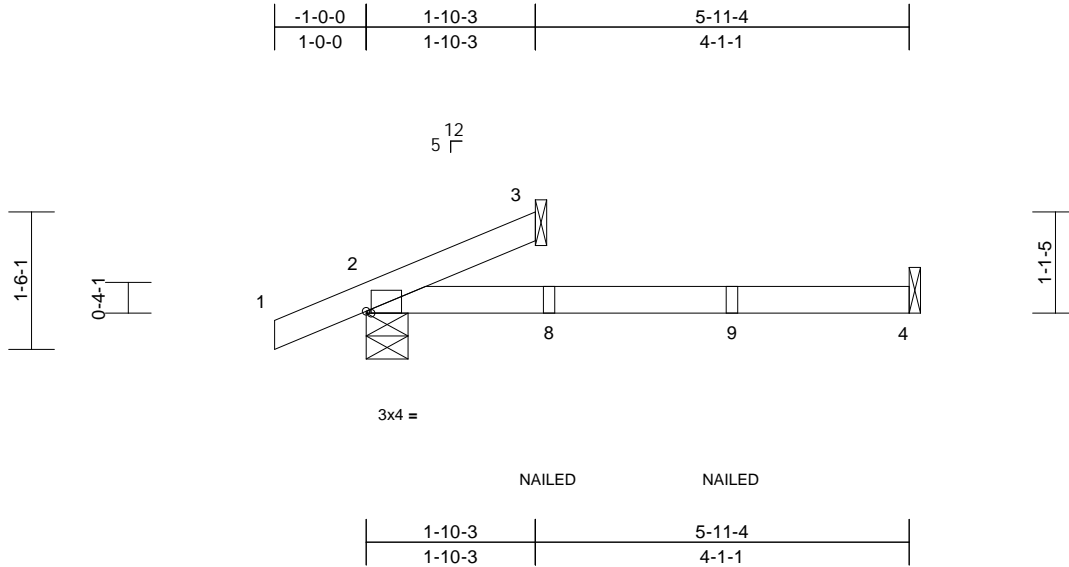
October 3, 2023

Job J1149588A	Truss JC1	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903938
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:25.2
Plate Offsets (X, Y): [2:0-0-10,Edge]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.03	4-7	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.05	4-7	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240		
											Weight: 12 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=163/0-5-8, 3=128/ Mechanical, 4=54/ Mechanical
Max Horiz 2=41 (LC 10)
Max Uplift 2=-49 (LC 6), 3=-14 (LC 10)
Max Grav 2=221 (LC 17), 3=144 (LC 17), 4=84 (LC 5)

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

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 3 and 49 lb uplift at joint 2.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-66, 4-5=-14
Concentrated Loads (lb)
Vert: 8=-43 (B), 9=-37 (B)

- NOTES**
- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.



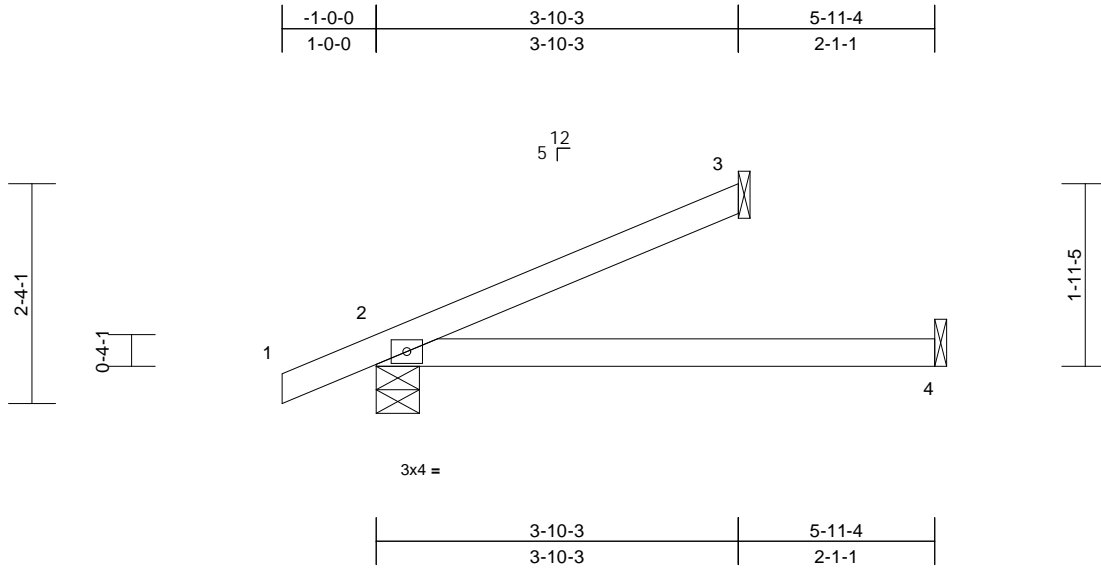
October 3, 2023

Job J1149588A	Truss JC2	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903939
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:31
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.03	4-7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.06	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.02	4-7	>999	240		
BCDL	7.0										Weight: 15 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=241/0-5-8, 3=116/ Mechanical, 4=41/ Mechanical
Max Horiz 2=72 (LC 10)
Max Uplift 2=50 (LC 10), 3=48 (LC 10)
Max Grav 2=347 (LC 17), 3=169 (LC 17), 4=81 (LC 5)

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

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 3 and 50 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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) Refer to girder(s) for truss to truss connections.



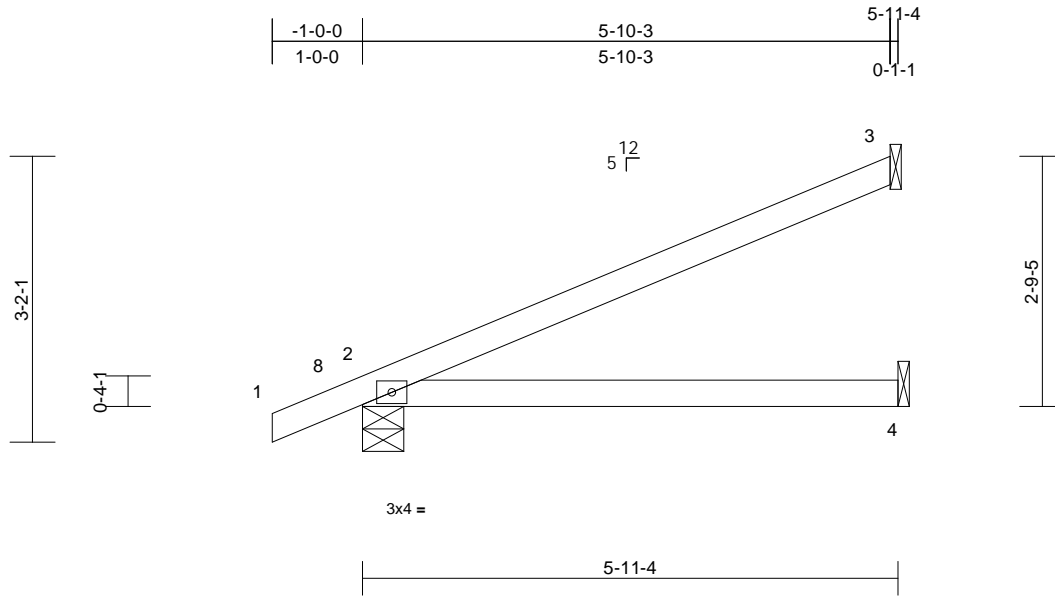
October 3, 2023

Job J1149588A	Truss JC3	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903940
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:32
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Page: 1



Scale = 1:25.5

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.10	4-7	>734	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.14	4-7	>503	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	4-7	>999	240		
BCDL	7.0										Weight: 18 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=304/0-5-8, 3=163/ Mechanical, 4=63/ Mechanical
Max Horiz 2=103 (LC 10)
Max Uplift 2=-66 (LC 10), 3=-80 (LC 10)
Max Grav 2=417 (LC 17), 3=246 (LC 17), 4=91 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3 and 66 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

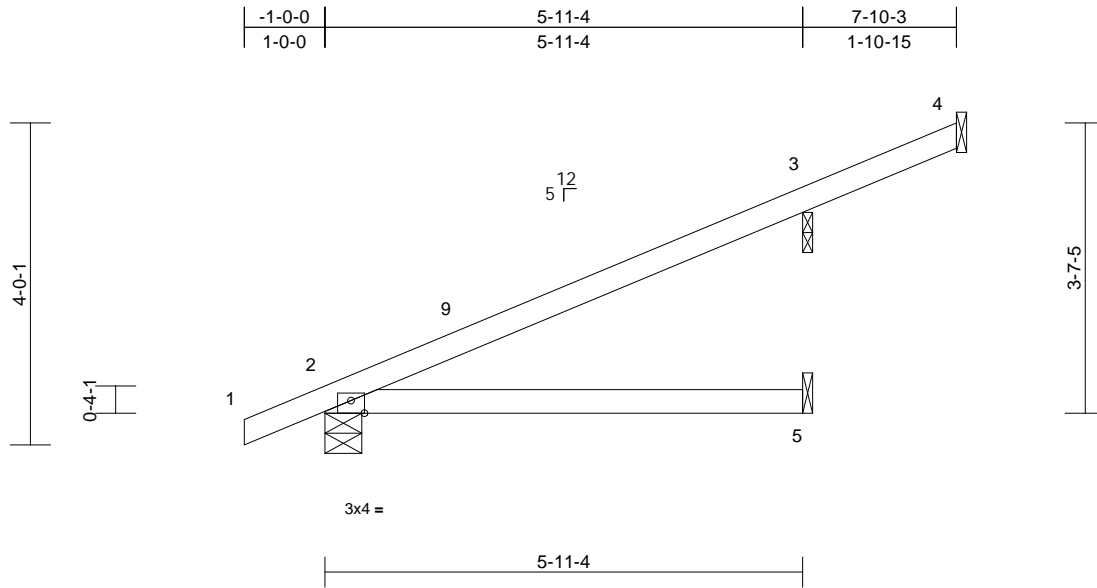


Job J1149588A	Truss JC4	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903941
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:32
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Page: 1



Scale = 1:28.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.10	5-8	>738	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.14	5-8	>497	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	5-8	>999	240		
											Weight: 21 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 0-1-8. except 2=0-5-8, 3=0-1-8
(lb) - Max Horiz 2=134 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4 except 3=116 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 4, 5 except 2=365 (LC 17), 3=341 (LC 17)

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

- 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 4, 2 except (jt=lb) 3=115.
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
 - 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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.



October 3,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

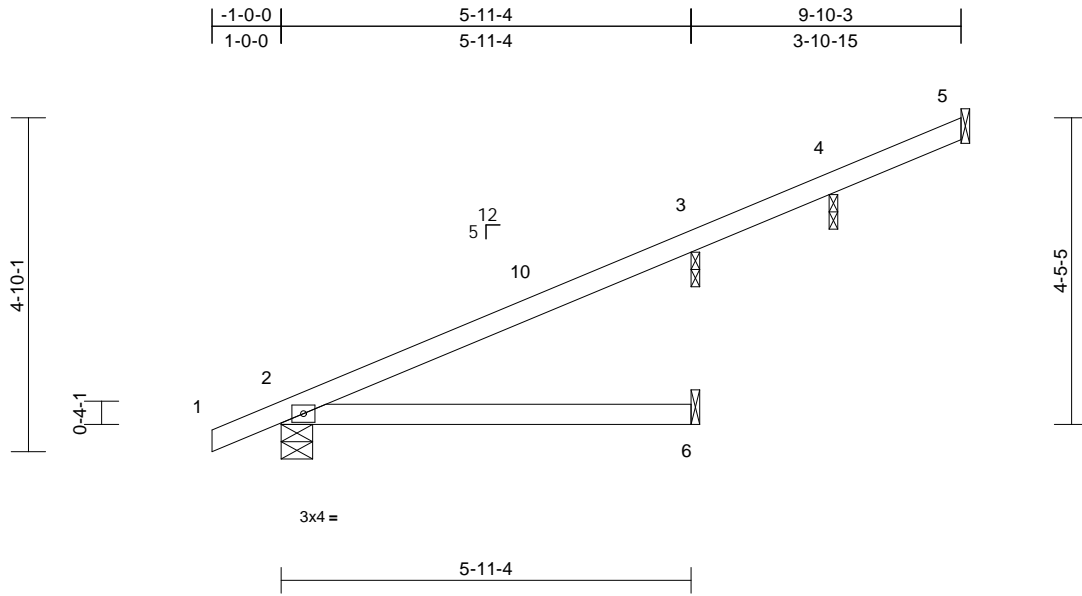


Job J1149588A	Truss JC5	Truss Type Jack-Open	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903942
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:33.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.07	6-9	>967	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.12	6-9	>592	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	6-9	>999	240		
BCDL	7.0										Weight: 24 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

All bearings 0-1-8. except 2=0-5-8, 3=0-1-8, 4=0-1-8
(lb) - Max Horiz 2=166 (LC 10)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 4, 5 except 3=120 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 4, 5, 6 except 2=326 (LC 17), 3=329 (LC 17)

FORCES

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3, 4.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 5, 2, 4 except (jt=lb) 3=119.
- 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

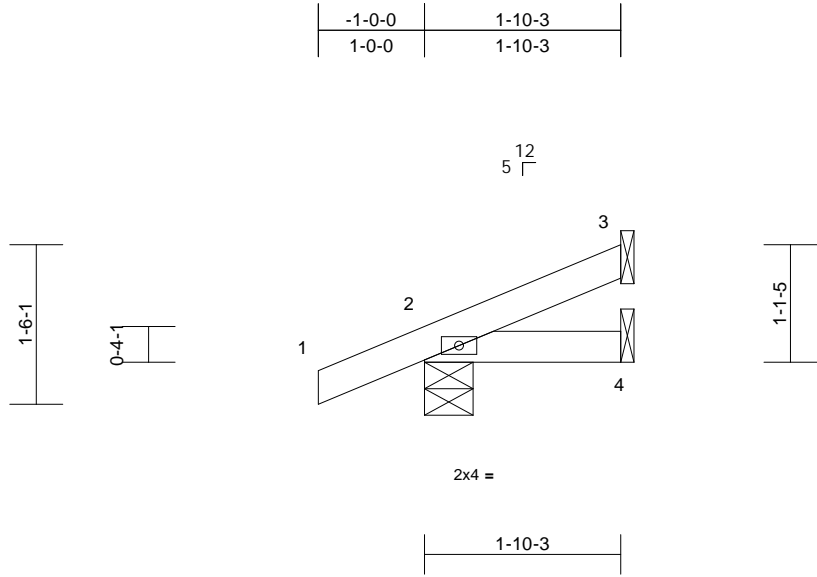


Job J1149588A	Truss JS1	Truss Type Jack-Open	Qty 5	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903943
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:32
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	0.00	7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.02	Vert(CT)	0.00	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	7	>999	240		
BCDL	7.0										Weight: 7 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=157/0-5-8, 3=40/ Mechanical, 4=16/ Mechanical
Max Horiz 2=42 (LC 10)
Max Uplift 2=-45 (LC 6), 3=-19 (LC 10)
Max Grav 2=215 (LC 17), 3=54 (LC 17), 4=25 (LC 5)

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

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 2 and 19 lb uplift at joint 3.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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) Refer to girder(s) for truss to truss connections.



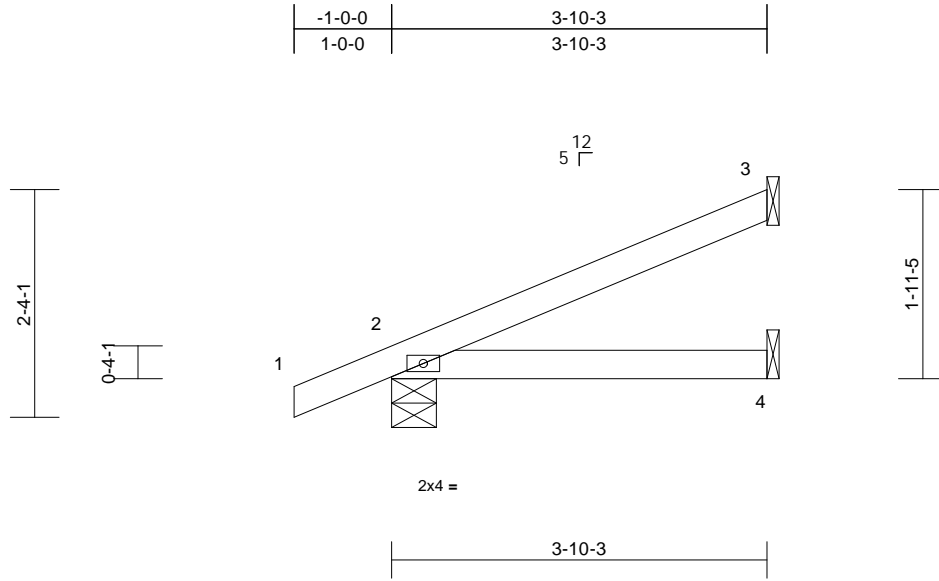
October 3, 2023

Job J1149588A	Truss JS2	Truss Type Jack-Open	Qty 4	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903944
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:32
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Page: 1



Scale = 1:23.6

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.02	4-7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.02	4-7	>999	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.01	4-7	>999	240		
BCDL	7.0										Weight: 12 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=226/0-5-8, 3=102/ Mechanical, 4=41/ Mechanical
Max Horiz 2=72 (LC 10)
Max Uplift 2=-53 (LC 10), 3=-50 (LC 10)
Max Grav 2=330 (LC 17), 3=152 (LC 17), 4=58 (LC 5)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 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) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3 and 53 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component

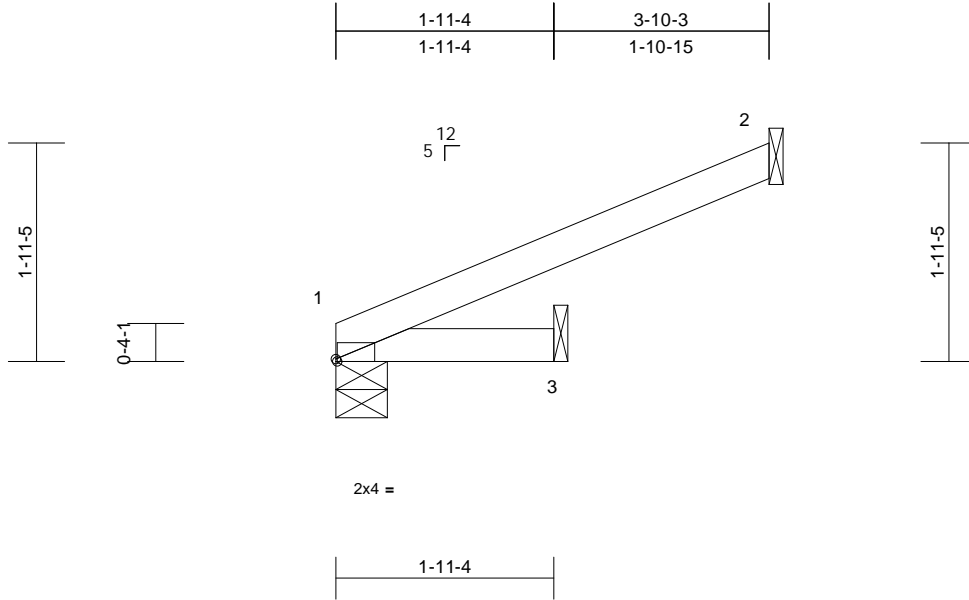


Job J1149588A	Truss JS2A	Truss Type Jack-Open	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903945
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:33
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Page: 1



Scale = 1:20.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.01	3-6	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.01	3-6	>999	240		
BCLL	0.0*	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.00	3-6	>999	240		
											Weight: 8 lb	FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-11-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=104/0-5-8, 2=89/ Mechanical, 3=84/ Mechanical
Max Horiz 1=59 (LC 10)
Max Uplift 1=-14 (LC 10), 2=-47 (LC 10), 3=-32 (LC 10)
Max Grav 1=146 (LC 17), 2=130 (LC 17), 3=117 (LC 17)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 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 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.
- 6) Refer to girder(s) for truss to truss connections.

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 1, 47 lb uplift at joint 2 and 32 lb uplift at joint 3.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



October 3, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

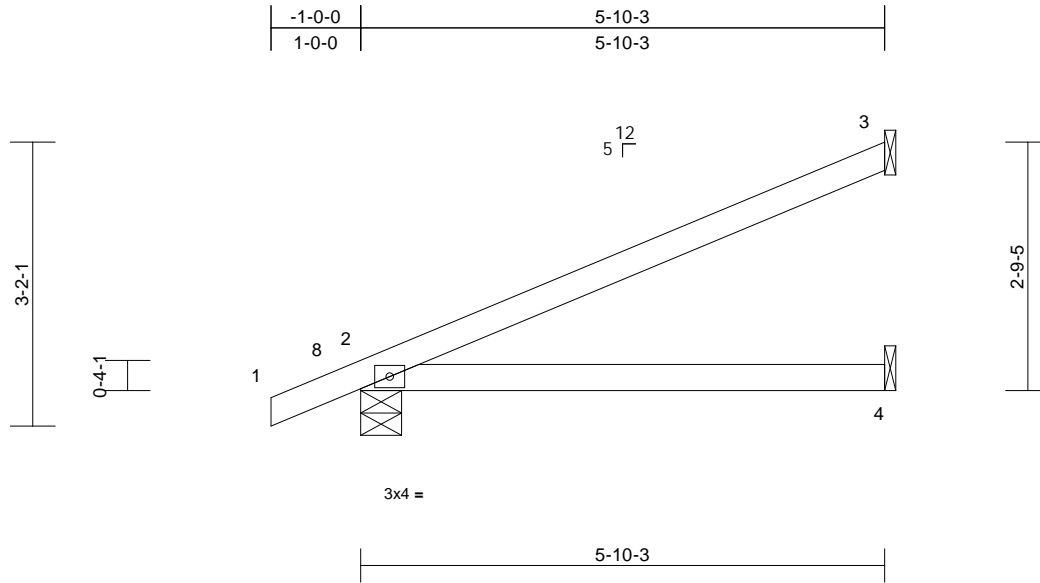


Job J1149588A	Truss JS3	Truss Type Jack-Open	Qty 3	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903946
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:33
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Page: 1



Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.09	4-7	>739	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.14	4-7	>510	240		
TCDL	8.0	Rep Stress Incr	Yes	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCLL	0.0*	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.05	4-7	>999	240		
BCDL	7.0										Weight: 18 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=303/0-5-8, 3=162/ Mechanical, 4=64/ Mechanical
Max Horiz 2=103 (LC 10)
Max Uplift 2=66 (LC 10), 3=80 (LC 10)
Max Grav 2=416 (LC 17), 3=246 (LC 17), 4=90 (LC 5)

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

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 3 and 66 lb uplift at joint 2.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
 - 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 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) Refer to girder(s) for truss to truss connections.



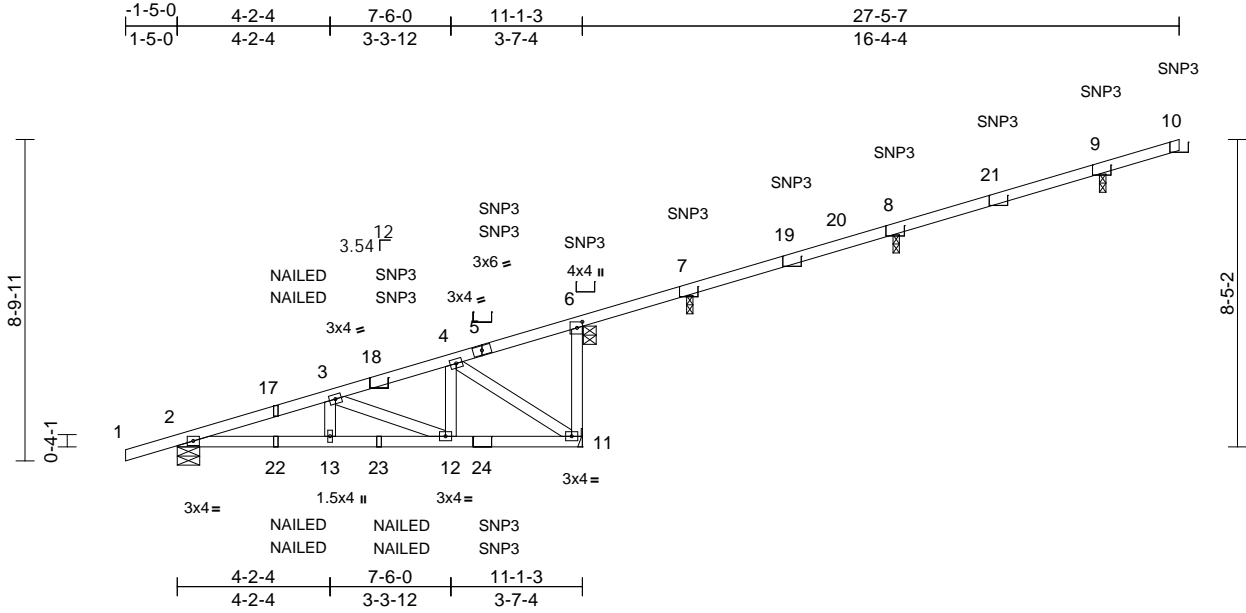
October 3, 2023

Job J1149588A	Truss RA	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903947
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:33
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Page: 1



Scale = 1:63.1

Plate Offsets (X, Y): [6:0-2-0,0-1-12]

Loading	(psf)	Spacing	1-6-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.05	12-13	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.06	12-13	>999	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.02	11	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.02	13	>999	240		
											Weight: 74 lb	FT = 20%

- LUMBER**
TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud
- BRACING**
TOP CHORD Structural wood sheathing directly applied or 5-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS** All bearings 0-2-2, except 6=0-4-4, 2=0-7-6, 11= Mechanical
(lb) - Max Horiz 2=200 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=114 (LC 6), 6=160 (LC 10), 7=124 (LC 6), 8=172 (LC 6), 9=186 (LC 6), 11=115 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) except 2=646 (LC 1), 6=462 (LC 1), 7=289 (LC 17), 8=464 (LC 17), 9=558 (LC 17), 11=701 (LC 1)
- FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-1522/175, 3-17=-1501/164, 3-18=-1100/148, 4-18=-1012/122
BOT CHORD 2-22=-274/1444, 13-22=-274/1444, 13-23=-274/1444, 12-23=-274/1444, 12-24=-199/1020, 11-24=-199/1020
WEBS 3-12=-454/108, 4-12=0/355, 4-11=-1211/237
- NOTES**
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
 - 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 2-00-00 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7, 8, 9.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 6, 114 lb uplift at joint 2, 114 lb uplift at joint 11, 124 lb uplift at joint 7, 171 lb uplift at joint 8 and 186 lb uplift at joint 9.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 7, 8, 9.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent spaced at 5-7-14 oc max. starting at 5-6-6 from the left end to 27-5-7 to connect truss(es) to front face of top chord.
 - Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 8-4-5 from the left end to connect truss(es) to front face of bottom chord, skewed 45.0 deg.to the left, sloping 0.0 deg. down.
 - Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 16-10-2 from the left end to connect truss(es) to front face of top chord, skewed 45.0 deg.to the left, sloping -22.6 deg. down.
 - Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent spaced at 2-9-15 oc max. starting at 5-6-6 from the left end to 8-4-5 to connect truss(es) to back face of top chord.
 - Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 8-4-5 from the left end to connect truss(es) to back face of bottom chord, skewed 45.0 deg.to the right, sloping 0.0 deg. down.
 - Fill all nail holes where hanger is in contact with lumber.
 - "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
 - A minimum of (6) 8d x 1-1/2" nails are required into each member for SNP3 installation. All nailing is required in face of supported chords. For sloped applications, flanges may protrude above or below truss chords. Bending of extended flanges is permitted.



October 3, 2023

Continued on page 3

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job J1149588A	Truss RA	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903947
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:33
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Page: 2

21) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (lb/ft)

Vert: 1-6=-50, 6-10=-50, 11-14=-11

Concentrated Loads (lb)

Vert: 5=-351 (F=-176, B=-176), 10=-49 (F), 6=-270

(F), 7=-44 (F), 8=-121 (F), 9=-121 (F), 18=-164

(F=-82, B=-82), 19=-46 (F), 21=-46 (F), 22=-14

(F=-7, B=-7), 23=-73 (F=-36, B=-36), 24=-131

(F=-66, B=-66)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



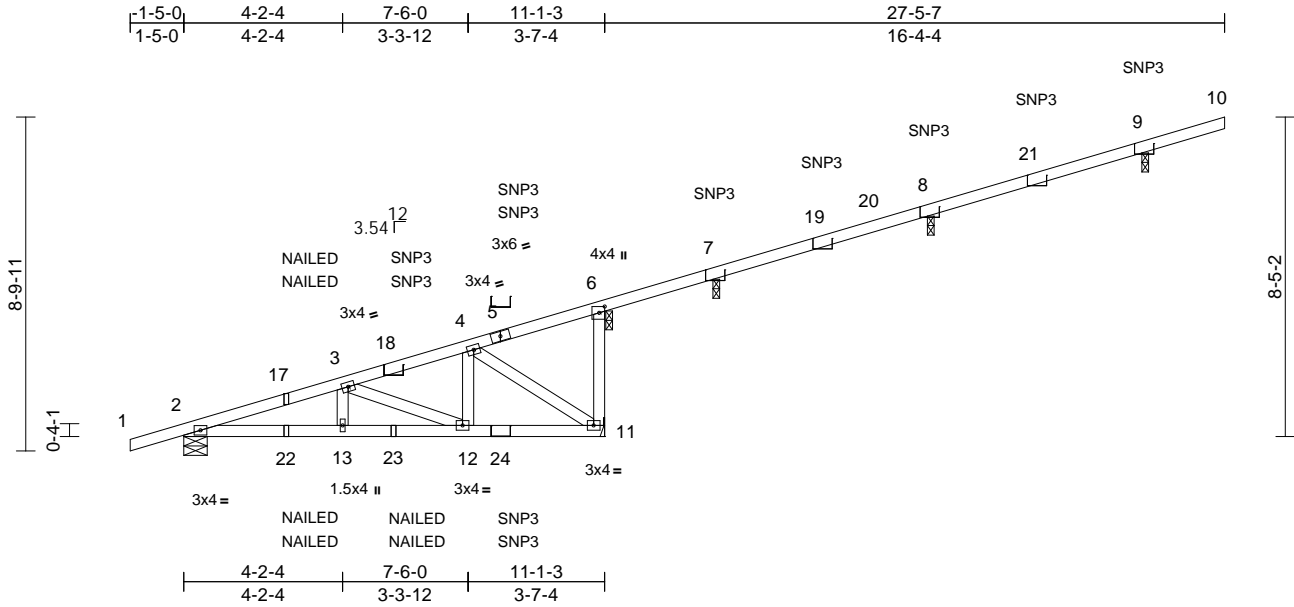
the**TRUSS**CO. INC.

Job J1149588A	Truss RB	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	114903948
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The Truss Company (Pasco), Pasco, WA - 99301,

Run: 8.72 S Sep 21 2023 Print: 8.720 S Sep 21 2023 MiTek Industries, Inc. Tue Oct 03 10:28:34
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Page: 1



Scale = 1:60.8

Plate Offsets (X, Y): [6:0-2-0,0-1-12]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.05	12-13	>999	360	MT20 220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.07	12-13	>999	240	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.41	Horz(CT)	0.02	11	n/a	n/a	
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.02	13-16	>999	240	
											Weight: 74 lb FT = 20%

LUMBER

TOP CHORD 2x4 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E
WEBS 2x4 DF Stud

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-8-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

All bearings 0-2-2. except 2=0-7-6, 11= Mechanical
(lb) - Max Horiz 2=266 (LC 7)
Max Uplift All uplift 100 (lb) or less at joint(s) 6 except 2=-132 (LC 6), 7=-150 (LC 6), 8=-204 (LC 6), 9=-190 (LC 6), 11=-119 (LC 10)
Max Grav All reactions 250 (lb) or less at joint (s) 6 except 2=739 (LC 1), 7=343 (LC 17), 8=545 (LC 17), 9=592 (LC 17), 11=719 (LC 1)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-1619/159, 3-17=-1591/148, 3-18=-1123/147, 4-18=-1035/120
BOT CHORD 2-22=-300/1531, 13-22=-300/1531, 13-23=-300/1531, 12-23=-300/1531, 12-24=-210/1041, 11-24=-210/1041
WEBS 3-12=-525/131, 4-12=0/378, 4-11=-1236/251

NOTES

- Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
- 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 2-00-00 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6, 7, 8, 9.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint (s) 6 except (jt=lb) 2=131, 11=119, 7=149, 8=204, 9=189.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6, 7, 8, 9.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent spaced at 2-9-15 oc max. starting at 5-6-6 from the left end to 8-4-5 to connect truss(es) to front face of top chord.
- Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 8-4-5 from the left end to connect truss(es) to front face of bottom chord, skewed 45.0 deg.to the left, sloping 0.0 deg. down.
- Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent spaced at 5-7-14 oc max. starting at 5-6-6 from the left end to 25-4-0 to connect truss(es) to back face of top chord.

- Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 8-4-5 from the left end to connect truss(es) to back face of bottom chord, skewed 45.0 deg.to the right, sloping 0.0 deg. down.
- Fill all nail holes where hanger is in contact with lumber.
- "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.
- A minimum of (6) 8d x 1-1/2" nails are required into each member for SNP3 installation. All nailing is required in face of supported chords. For sloped applications, flanges may protrude above or below truss chords. Bending of extended flanges is permitted.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-6=-66, 6-10=-66, 11-14=-14
Concentrated Loads (lb)



October 3, 2023

Continued on page 3

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSITPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job J1149588A	Truss RB	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	D.R. Horton-Crimson Hill I14903948 Job Reference (optional)
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 2

Vert: 5--305 (F=-152, B=-152), 7--31 (B), 8--98 (B),
9--98 (B), 18--118 (F=-59, B=-59), 19--31 (B),
21--31 (B), 22--14 (F=-7, B=-7), 23--63 (F=-31,
B=-31), 24--121 (F=-61, B=-61)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



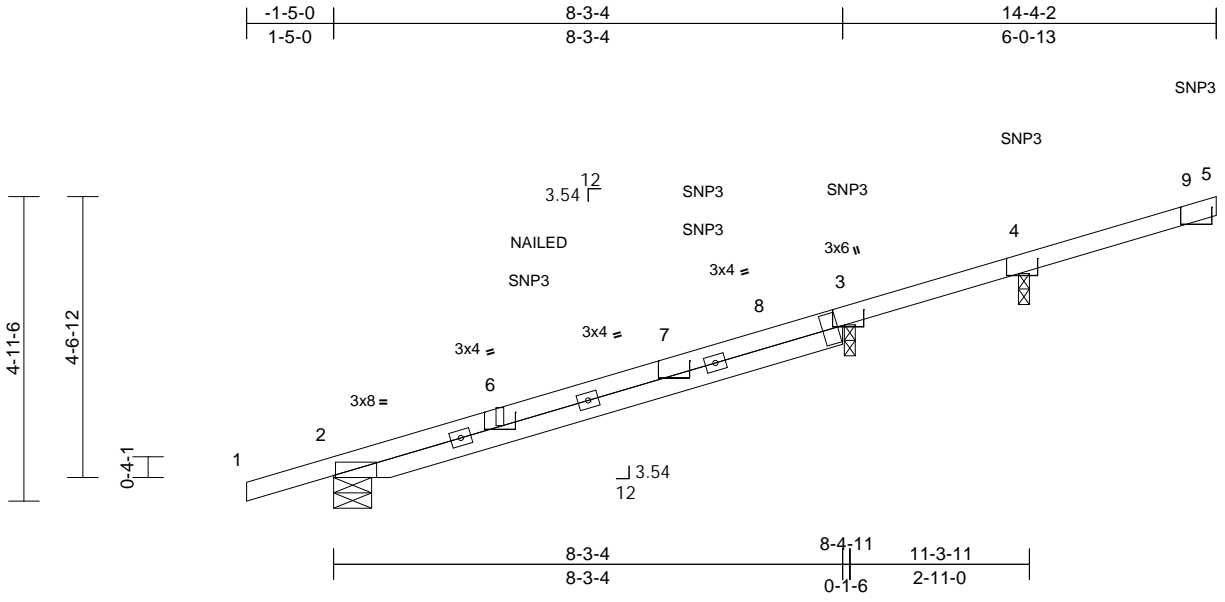
the**TRUSSCO.** INC.

Job J1149588A	Truss RC	Truss Type Corner Rafter	Qty 2	Ply 1	D.R. Horton-Crimson Hill Job Reference (optional)	I14903949
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The Truss Company (Pasco), Pasco, WA - 99301,

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Page: 1



Scale = 1:37.4
Plate Offsets (X, Y): [2:0-0-6,Edge], [2:2-0-0,0-1-2], [2:4-1-14,0-1-2], [3:0-2-10,8-3-9], [3:6-3-12,0-1-2]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (Roof Snow = 25.0)	25.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.17	2-3	>600	360	MT20 220/195	
TCDL	8.0	Lumber DOL	1.15	BC	0.00	Vert(CT)	-0.22	2-3	>450	240		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-MP		Wind(LL)	0.10	2-3	>970	240		
											Weight: 34 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF 1800F 1.6E

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.

REACTIONS (lb/size) 2=450/0-7-7, 3=465/0-2-2, 4=484/0-2-2
Max Horiz 2=173 (LC 6)
Max Uplift 2=-144 (LC 6), 3=-164 (LC 10), 4=-197 (LC 6)
Max Grav 2=453 (LC 16), 3=477 (LC 16), 4=611 (LC 16)

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

NOTES

- 1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.00
- 2) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Plates checked for a plus or minus 0 degree rotation about its center.
- 5) * 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.
- 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 at joint(s) 3, 4.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2, 164 lb uplift at joint 3 and 197 lb uplift at joint 4.
- 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3, 4.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 2-8-7 from the left end to connect truss(es) to front face of top chord, skewed 45.0 deg.to the left, sloping -22.6 deg. down.
- 12) Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent spaced at 2-9-15 oc max. starting at 5-6-6 from the left end to 8-4-5 to connect truss(es) to front face of top chord.
- 13) Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 11-2-4 from the left end to connect truss(es) to front face of top chord, skewed 45.0 deg.to the left, sloping -22.6 deg. down.
- 14) Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 14-0-3 from the left end to connect truss(es) to front face of top chord, skewed 45.0 deg.to the left, sloping -22.6 deg. down.
- 15) Use MiTek SNP3 (With 6-8d x 1-1/2 nails into Girder & 6-8d x 1-1/2 nails into Truss) or equivalent at 5-6-6 from the left end to connect truss(es) to back face of top chord, skewed 45.0 deg.to the right, sloping -22.6 deg. down.
- 16) Fill all nail holes where hanger is in contact with lumber.
- 17) "NAILED" indicates Girder: 3-10d (0.148" x 3") toe-nails per NDS guidelines.

- 18) A minimum of (6) 8d x 1-1/2" nails are required into each member for SNP3 installation. All nailing is required in face of supported chords. For sloped applications, flanges may protrude above or below truss chords. Bending of extended flanges is permitted.
- 19) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

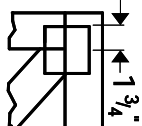
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-5=-66
Concentrated Loads (lb)
Vert: 3=-153 (F), 4=-5 (F), 6=-52 (F), 7=-116 (F=-76, B=-40), 9=-33 (F)



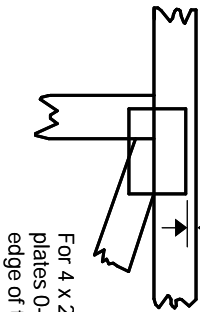
October 3, 2023

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in **MITtek 20/20** software or upon request.

PLATE SIZE

4 X 4

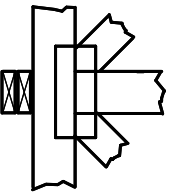
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

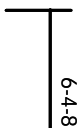


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

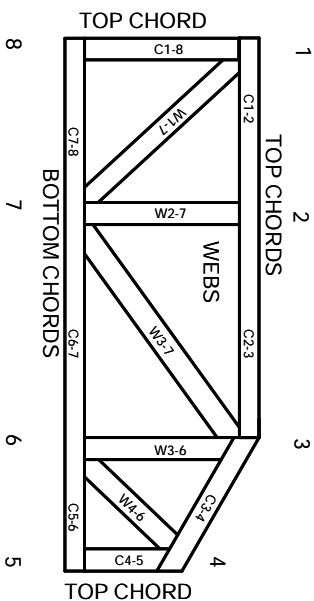
Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths
(Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

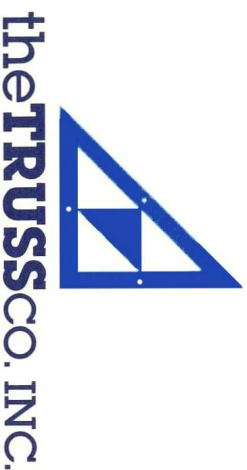
CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B,
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP 1 Quality Criteria.