

DE
DANSCO ENGINEERING, LLC

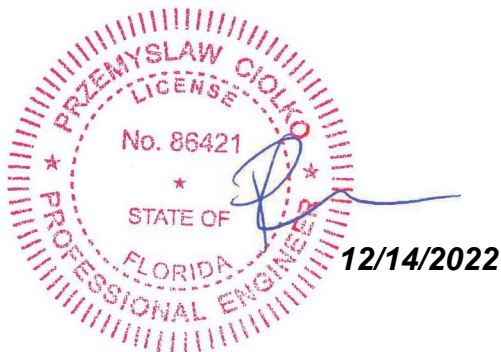
P.O. Box 3400
Apollo Beach, FL 33572
Telephone (813) 645-0166
Facsimile (813) 645-9698

The truss drawing(s) attached have been prepared by Dansco Engineering, LLC under my direct supervision and control based on the parameters provided by **Builders FirstSource**. We have reviewed the requirements of the 2020 Florida Building Code and hereby certify that the attached trusses are in compliance with letter and intent of said code.

Job: 3278724

27 truss design(s)

97901-W1



Przemyslaw Ciolko, P.E.
FL Reg. #86421
COA: CA25948

Note: Gable end frames with stud lengths exceeding 4' require permanent bracing. On structural gables, where studs may be made from two or more boards as they cross diagonals, the 4' length is the distance from the top chord to bottom chord.

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 1-2014 Chapter 2.

Warning !—Verify design parameters and read notes before use.

These designs are based only upon parameters shown, and are for individual building components to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure 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/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 *Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

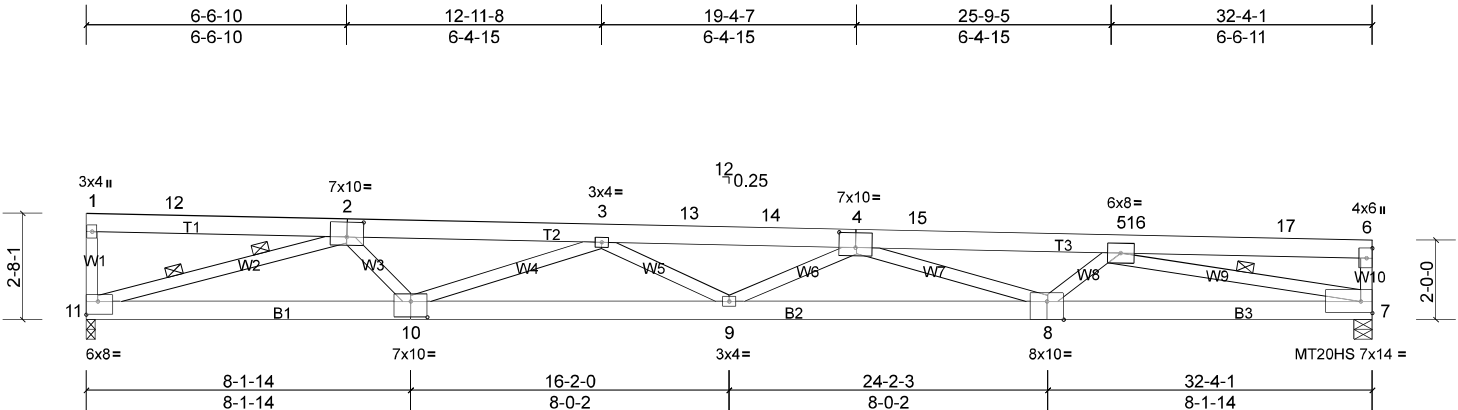
Job 3278724	Truss A01	Truss Type Roof Special	Qty 1	Ply 1	Job Reference (optional) DE Job # 97901-W1
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Builders First Source, Atlanta Components

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Page: 1

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Scale = 1:54.5

Plate Offsets (X, Y): [2:0-5-0,0-4-8], [4:0-5-0,0-4-8], [8:0-5-0,Edge], [10:0-5-0,0-4-12], [11:Edge,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	0.44	8-9	>874	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.82	8-9	>467	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.12	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S								
											Weight: 207 lb FT = 15%	

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except* W9:2x4 SP No.2

REACTIONS (lb/size) 7=1443/0-5-8, (min. 0-1-8), 11=1341/0-2-12, (min. 0-1-8)
Max Horiz 11=-85 (LC 8)
Max Uplift 7=-393 (LC 12), 11=-424 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-5 oc bracing.
WEBS 1 Row at midpt 5-7
WEBS 2 Rows at 1/3 pts 2-11

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3935/1958, 3-13=-5865/2773, 13-14=-5866/2773, 4-15=-5870/2773, 4-15=-4958/2170, 5-15=-4969/2169
BOT CHORD 10-11=-1782/3355, 9-10=-2779/5406, 8-9=-2907/6055, 7-8=-1998/4380
WEBS 2-11=-3438/1818, 5-7=-4350/1967, 2-10=-293/942, 3-10=-1592/900, 3-9=-34/537, 4-8=-1169/782, 5-8=-240/817

NOTES

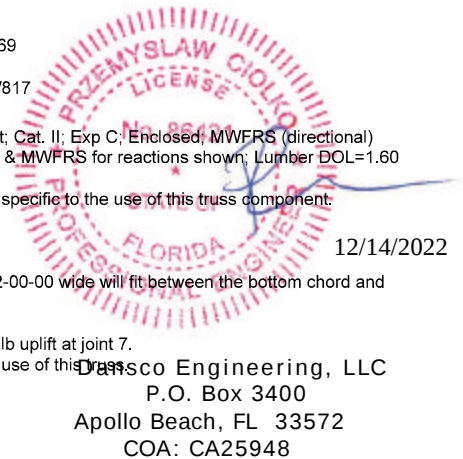
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 at joint(s) 11.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 424 lb uplift at joint 11 and 393 lb uplift at joint 7.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S)

- Standard
- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-15=-60, 15-16=-100, 6-16=-60, 7-11=-20

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WCTA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.



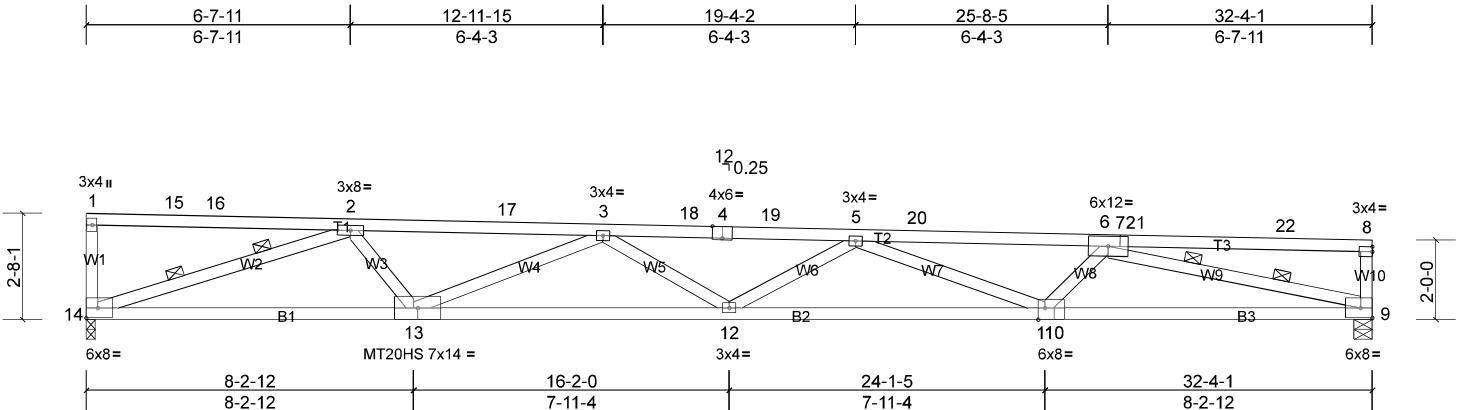
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	A02	Roof Special	1	1	DE Job # 97901-W1

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Scale = 1:54.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.48	11-12	>801	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.86	11-12	>446	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.16	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S								
											Weight: 154 lb	FT = 15%

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
 BOT CHORD 2x4 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 9=1321/0-5-8, (min. 0-1-8), 14=1371/0-2-12, (min. 0-1-8)
 Max Horiz 14=91 (LC 8)
 Max Uplift 9=428 (LC 12), 14=415 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-11-0 oc bracing.
 WEBS 2 Rows at 1/3 pts 2-14, 6-9

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-3762/1860, 3-17=-3766/1859, 3-18=-5207/2654, 4-18=-5208/2654, 4-19=-5208/2654, 5-19=-5212/2653, 5-20=-4289/2203, 6-20=-4296/2202
 BOT CHORD 13-14=-1687/3272, 12-13=-2635/4955, 11-12=-2814/5221, 10-11=-2089/3854, 9-10=-2089/3854
 WEBS 2-14=-3379/1734, 2-13=-312/847, 3-13=-1305/861, 3-12=-75/411, 5-11=-1008/652, 6-11=-195/714, 6-9=-3868/2086

NOTES

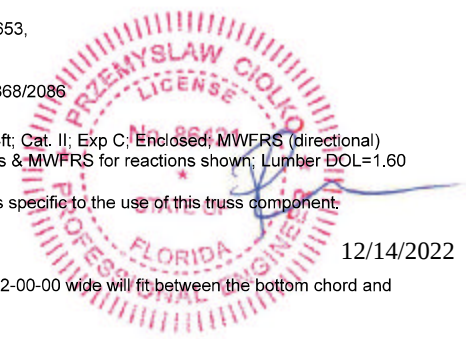
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 14 and 428 lb uplift at joint 9.
- 9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S)

- Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-16=-60, 2-16=-74, 17-20=-60, 20-21=-64, 8-21=-60, 9-14=-20
 Trapezoidal Loads (lb/ft)
 Vert: 2=-74-to-17=-74

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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12/14/2022

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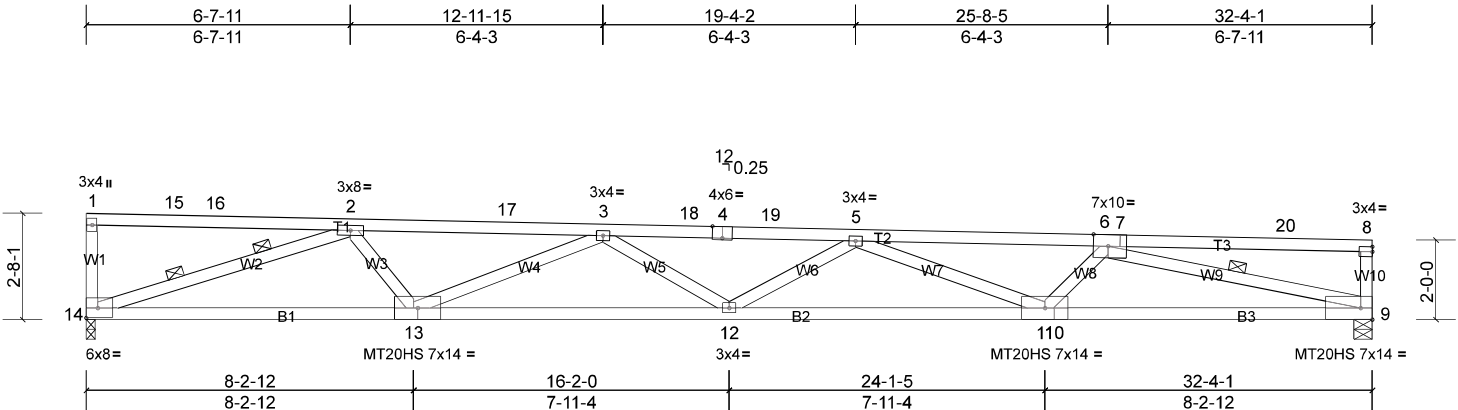
Job 3278724	Truss A03	Truss Type Roof Special	Qty 2	Ply 1	Job Reference (optional) DE Job # 97901-W1
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Scale = 1:54.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.50	12	>768	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.95	11-12	>405	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.18	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 154 lb	FT = 15%

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
 BOT CHORD 2x4 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except* W1,W2,W9:2x4 SP No.2

REACTIONS (lb/size) 9=1390/0-5-8, (min. 0-1-8), 14=1689/0-2-12, (min. 0-1-8)
 Max Horiz 14=-91 (LC 8)
 Max Uplift 9=-408 (LC 12), 14=-323 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-0-10 oc bracing.
 WEBS 1 Row at midpt 6-9
 WEBS 2 Rows at 1/3 pts 2-14

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-4585/1624, 3-17=-4590/1622, 3-18=-5836/2471, 4-18=-5839/2470, 4-19=-5840/2470, 5-19=-5843/2470, 5-6=-4601/2117
 BOT CHORD 13-14=-1444/4115, 12-13=-2413/5721, 11-12=-2672/5708, 10-11=-2020/4098, 9-10=-2020/4098
 WEBS 2-14=-4256/1482, 2-13=-322/820, 3-13=-1243/877, 3-12=-122/364, 5-12=0/268, 5-11=-1205/593, 6-11=-167/793, 6-9=-4122/2017

NOTES

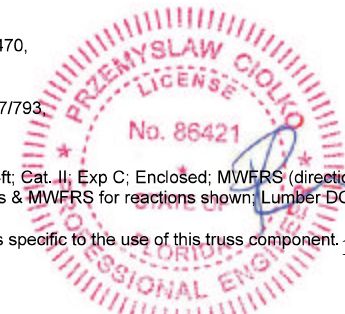
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf, BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 at joint(s) 14.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 323 lb uplift at joint 14 and 408 lb uplift at joint 9.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S)

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-16=-60, 16-17=-130, 8-17=-60, 9-14=-20

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WCTA BCS1-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.



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 COA: CA25948

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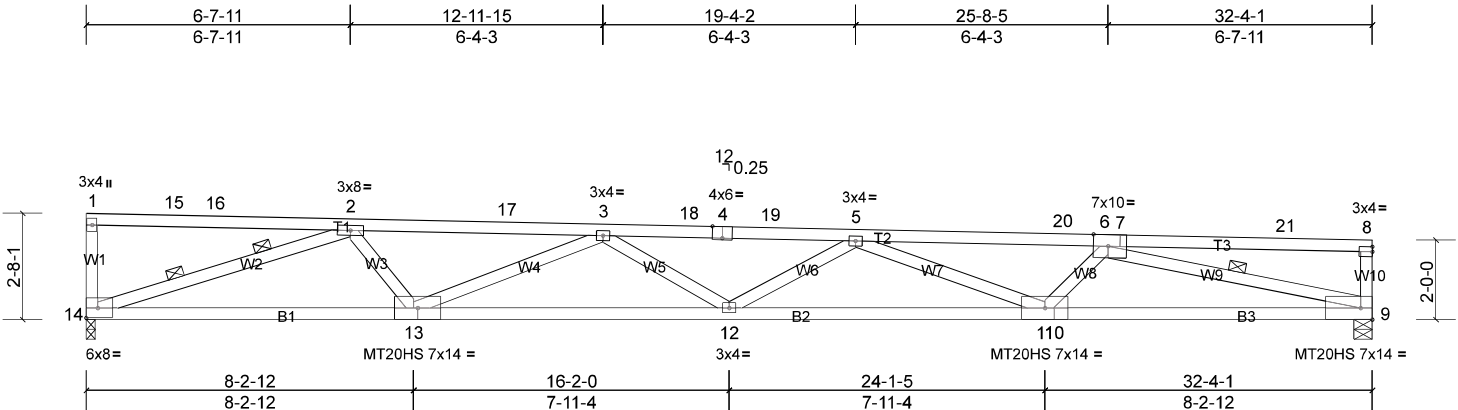
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	A04	Roof Special	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Page: 1

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Scale = 1:54.5

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.48	11-12	>808	240
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.91	11-12	>423	180
BCLL	0.0*	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.17	9	n/a	n/a
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S						
										Weight: 154 lb FT = 15%

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
 BOT CHORD 2x4 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except* W1,W9:2x4 SP No.2

REACTIONS (lb/size) 9=1403/0-5-8, (min. 0-1-8), 14=1475/0-2-12, (min. 0-1-8)
 Max Horiz 14=91 (LC 8)
 Max Uplift 9=404 (LC 12), 14=385 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-11-15 oc bracing.
 WEBS 1 Row at midpt 6-9
 WEBS 2 Rows at 1/3 pts 2-14

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-4048/1777, 3-17=-4053/1776, 3-18=-5508/2567, 4-18=-5509/2566, 4-19=-5510/2566, 5-19=-5514/2566, 5-20=-4583/2121, 6-20=-4589/2120
 BOT CHORD 13-14=-1606/3552, 12-13=-2546/5265, 11-12=-2729/5513, 10-11=-2006/4146, 9-10=-2006/4146
 WEBS 2-14=-3670/1650, 2-13=-308/858, 3-13=-1332/853, 3-12=-78/408, 5-11=-1008/650, 6-11=-195/714, 6-9=-4172/2003

NOTES

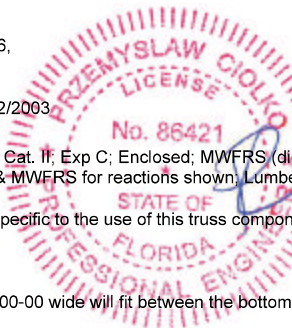
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- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 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 at joint(s) 14.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 385 lb uplift at joint 14 and 404 lb uplift at joint 13.
- Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S)

- Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-16=-60, 17-20=-60, 7-20=-127, 7-8=-60, 9-14=-20
 Trapezoidal Loads (lb/ft)
 Vert: 16=-90 to 2=-90, 2=-90 to 17=-90

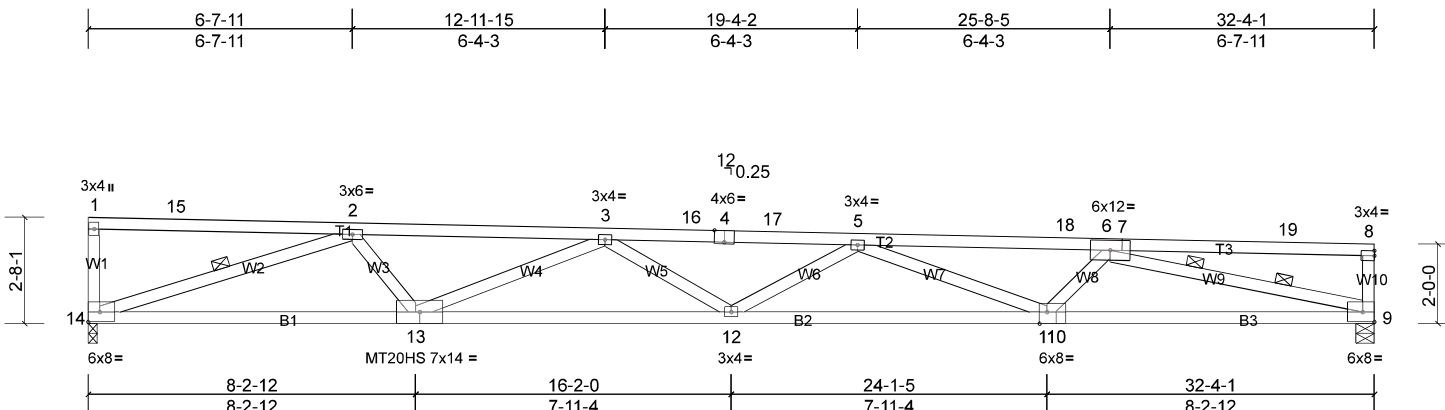
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 Apollo Beach, FL 33572
 COA: CA25948



Scale = 1:54.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.48	11-12	>801	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.83	11-12	>461	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 154 lb	FT = 15%

LUMBER

TOP CHORD	2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
BOT CHORD	2x4 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS

(lb/size) 9=1300/0-5-8, (min. 0-1-8), 14=1287/0-2-12, (min. 0-1-8)
 Max Horiz 14=91 (LC 8)
 Max Uplift 9=434 (LC 12), 14=439 (LC 12)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 4-10-7 oc bracing.	
WEBS	1 Row at midpt	2-14
WEBS	2 Rows at 1/3 pts	6-9

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

FORCES

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

TOP CHORD
2-3=-3545/1923, 3-16=-5021/2708, 4-16=-5022/2707, 4-17=-5022/2707, 5-17=-5026/2707, 5-18=-4194/2231,
6-18=-4199/2230

BOT CHORD 13-14=-1752/3048, 12-13=-2697/4742, 11-12=-2859/5065, 10-11=-2111/3776, 9-10=-2111/3776

WEBS 2-14=-3147/1801, 2-13=-310/852, 3-13=-1314/858, 3-12=-66/420, 5-11=-944/671, 6-11=-204/705, 6-9=-3788/2109

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCdL=5.0psf; BCdL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II, Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 439 lb uplift at joint 14 and 434 lb uplift at joint 15.
- 9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 12/14/
- Professional Engineering, LLC
P.O. Box 3400

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-18=-60, 7-18=-76, 7-8=-60, 9-14=-20

Danco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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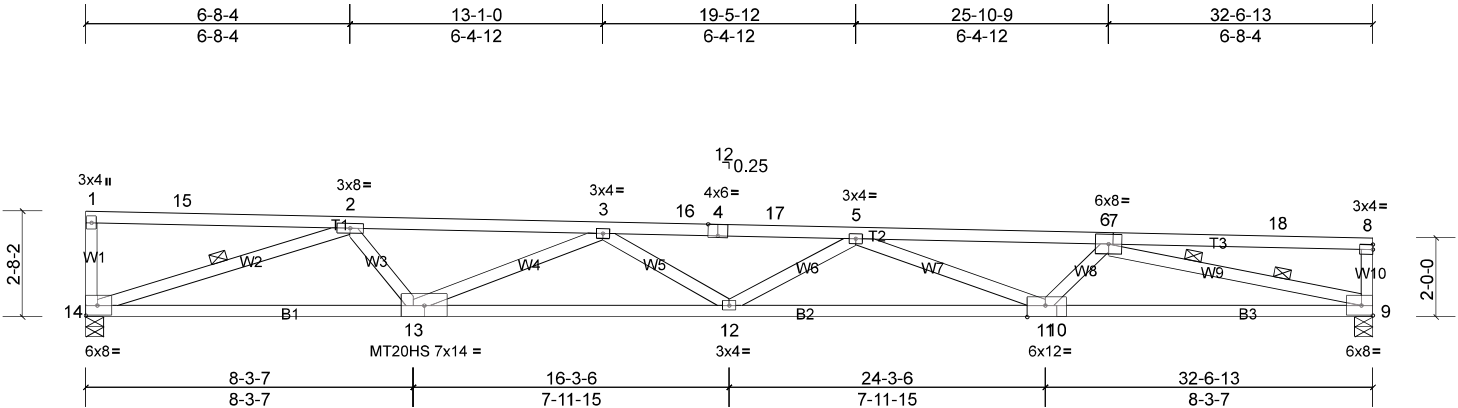
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	A06	Roof Special	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:54.9

Plate Offsets (X, Y): [4:0-3-0,Edge], [11:0-5-8,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	0.49	11-12	>786	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.85	11-12	>457	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.15	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S								
											Weight: 155 lb	FT = 15%

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
 BOT CHORD 2x4 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

REACTIONS (lb/size) 9=1291/0-5-8, (min. 0-1-8), 14=1291/0-5-8, (min. 0-1-8)
 Max Horiz 14=91 (LC 8)
 Max Uplift 9=442 (LC 12), 14=444 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-10-1 oc bracing.
 WEBS 1 Row at midpt 2-14
 WEBS 2 Rows at 1/3 pts 6-9

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3572/1942, 3-16=-5047/2740, 4-16=-5048/2740, 4-17=-5048/2740, 5-17=-5052/2739, 5-6=-4194/2266
 BOT CHORD 13-14=-1768/3072, 12-13=-2726/4773, 11-12=-2896/5083, 10-11=-2146/3761, 9-10=-2146/3761
 WEBS 2-14=-3169/1817, 2-13=-313/854, 3-13=-1317/868, 3-12=-68/423, 5-11=-968/673, 6-11=-203/714, 6-9=-3770/2143

NOTES

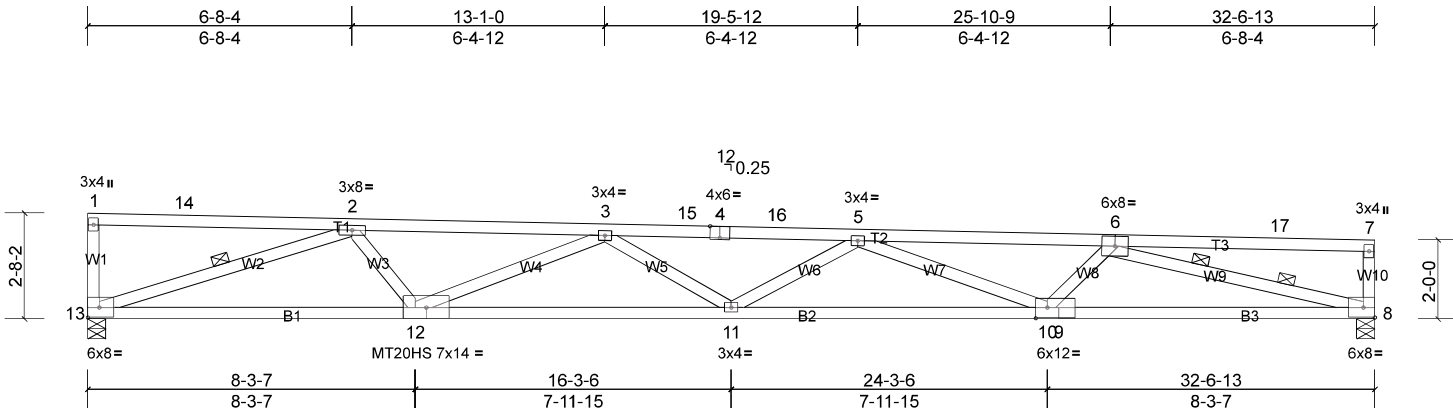
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 14 and 442 lb uplift at joint 9.

LOAD CASE(S) Standard

Dansco Engineering, LLC
 P.O. Box 3400
 Apollo Beach, FL 33572
 COA: CA25948

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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Scale = 1:54.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	0.49	10-11	>794	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.84	10-11	>460	180	MT20HS	187/143
BCLL	0.0*	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.15	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 155 lb	FT = 15%

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2

BOT CHORD 2x4 SP 2400F 2.0E

WEBS 2x4 SP No.3 *Except* W1,W10:2x4 SP No.2

REACTIONS

(lb/size) 8=1294/0-5-8, (min. 0-1-8), 13=1294/0-5-8, (min. 0-1-8)

Max Horiz 13=-91 (LC 8)

Max Uplift 8=-441 (LC 12), 13=-443 (LC 12)

BRACING

TOP CHORD

Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals.

BOT CHORD

Rigid ceiling directly applied or 4-10-2 oc bracing.

WEBS

1 Row at midpt

WEBS

2 Rows at 1/3

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

FORCES

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

TOP CHORD 2-3=-3584/1938, 3-15=-5067/2735, 4-15=-5069/2735, 4-16=-5069/2735, 5-16=-5073/2734, 5-6=-4189/2247

BOT CHORD 12-13=-1765/3082, 11-12=-2717/4791, 10-11=-2896/5107, 9-10=-2100/3684, 8-9=-2100/3684

WEBS 2-13=-3179/1814, 2-12=-310/858, 3-12=-1325/863, 3-11=-71/423, 5-10=-999/693, 6-10=-227/761, 6-8=-3703/2106

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCdL=5.0psf; BCdL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 13 and 441 lb uplift at joint 8.
- 8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

12/14/2022

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=60, 3-4=62, 4-7=60, 8-13=20

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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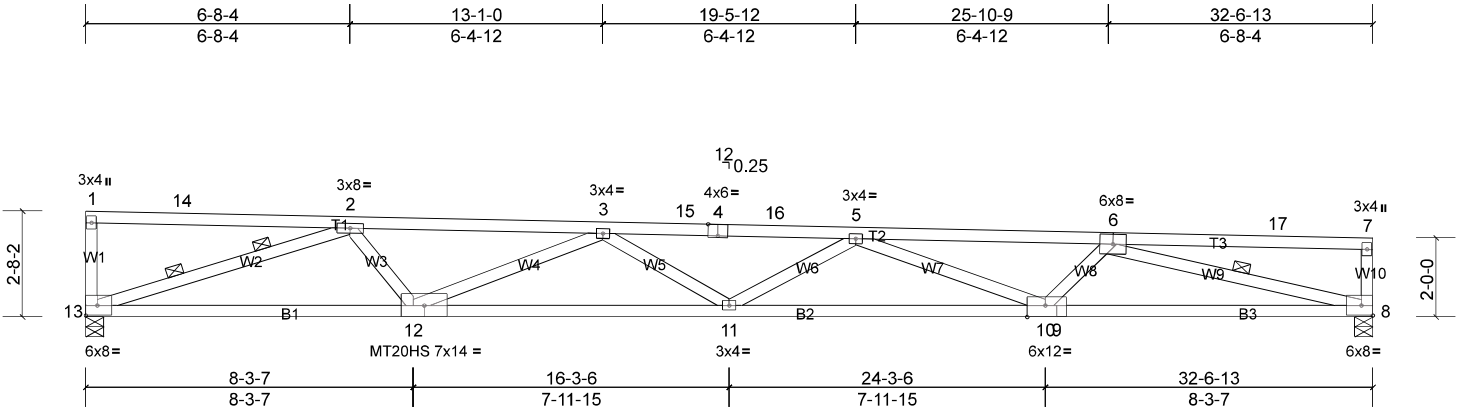
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	A08	Roof Special	2	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:54.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	0.49	10-11	>799	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.90	10-11	>430	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.17	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S								
											Weight: 155 lb	FT = 15%

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
 BOT CHORD 2x4 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except* W1,W10,W9:2x4 SP No.2

REACTIONS (lb/size) 8=1356/0-5-8, (min. 0-1-8), 13=1372/0-5-8, (min. 0-1-8)
 Max Horiz 13=91 (LC 8)
 Max Uplift 8=419 (LC 12), 13=415 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-11-13 oc bracing.
 WEBS 1 Row at midpt 6-8
 WEBS 2 Rows at 1/3 pts 2-13

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3868/1836, 3-15=-5526/2571, 4-15=-5528/2569, 4-16=-5532/2569, 5-6=-4460/2151
 BOT CHORD 12-13=-1687/3299, 11-12=-2538/5287, 10-11=-2744/5527, 9-10=-2026/3897, 8-9=-2026/3897
 WEBS 2-13=-3406/1733, 2-12=-269/973, 3-12=-1557/780, 3-11=-87/407, 5-10=-1160/633, 6-10=-196/820, 6-8=-3924/2032

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 13 and 419 lb uplift at joint 8.
- 8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

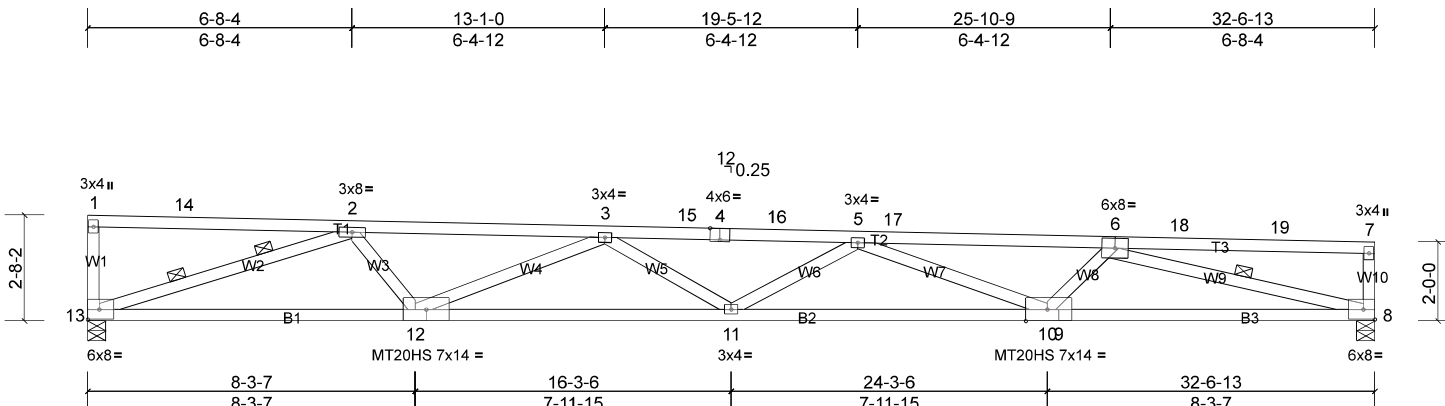
LOAD CASE(S)

- Standard
 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (lb/ft)
 Vert: 1-3=-60, 3-4=-110, 4-7=-60, 8-13=-20

Dansco Engineering, LLC
 P.O. Box 3400
 Apollo Beach, FL 33572
 COA: CA25948

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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Scale = 1:54.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	0.49	10-11	>799	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.92	10-11	>421	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.17	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 155 lb	FT = 15%

LUMBER

TOP CHORD	2x4 SP 2400F 2.0E
BOT CHORD	2x4 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W1,W10,W9;2x4 SP No.2

REACTIONS

(lb/size) 8=1396/0-5-8, (min. 0-1-8), 13=1386/0-5-8, (min. 0-1-8)
 Max Horiz 13=-91 (LC 8)
 Max Uplift 8=-407 (LC 12), 13=-411 (LC 12)

BRACING

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 2-10-0 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 5-0-4 oc bracing.

WEBS	1 Row at midpt	6-8
WEBS	2 Rows at 1/3 pts	2-13

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

FORCES

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

TOP CHORD
2-3=-3920/1821, 3-15=-5642/2538, 4-15=-5643/2536, 4-16=-5644/2536, 5-16=-5648/2536, 5-17=-4589/2107,
6-17=-4598/2106

BOT CHORD 12-13=-1675/3341, 11-12=-2513/5372, 10-11=-2703/5675, 9-10=-1980/4031, 8-9=-1980/4031

WEBS 2-13=-3450/1720, 2-12=-264/990, 3-12=-1592/769, 3-11=-77/418, 5-10=-1172/637, 6-10=-199/825, 6-8=-4060/1985

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCdL=5.0psf; BCdL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II, Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 13 and 407 lb uplift at joint 8.
- 8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 12/14/2023
- Professional Engineer
State of Florida
No. 12543
Trussco Engineering, LLC

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-110, 4-17=-60, 6-18=-68, 7-18=-60, 8-13=-20
Trapezoidal Loads (lb/ft)
Vert: 17=-68-to-6=-68

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12/14/2022

Danisco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

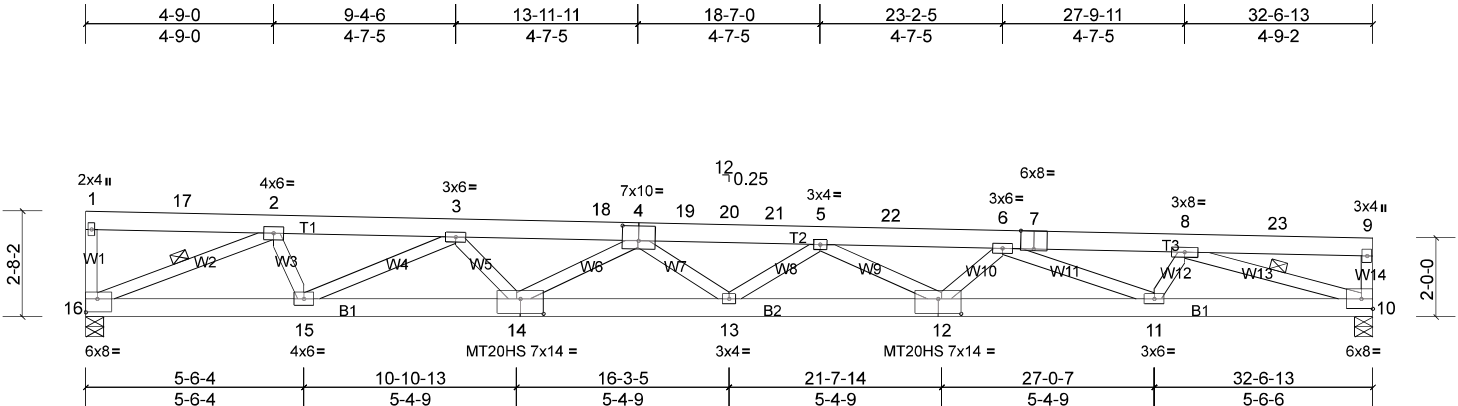
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	A10	Roof Special	3	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:54.9

Plate Offsets (X, Y): [4:0-5-0,0-4-8], [7:0-4-0,Edge], [12:0-7-0,0-4-8], [14:0-7-0,0-4-8], [16:Edge,0-4-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.49	12-13	>792	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.90	12-13	>432	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S								
											Weight: 212 lb	FT = 15%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except* W1,W14:2x4 SP No.2

REACTIONS (lb/size) 10=1719/0-5-8, (min. 0-1-12), 16=1504/0-5-8, (min. 0-1-8)
Max Horiz 16=-86 (LC 8)
Max Uplift 10=-313 (LC 12), 16=-376 (LC 12)

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-1 oc bracing.
WEBS 1 Row at midpt 2-16, 8-10

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

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3244/1337, 3-18=-5687/2153, 4-18=-5690/2153, 4-19=-7053/2458, 19-20=-7055/2457, 20-21=-7056/2457, 5-21=-7058/2457, 5-22=-6968/2234, 6-22=-6975/2234, 6-7=-4661/1465, 7-8=-4670/1464
BOT CHORD 15-16=-1223/2851, 14-15=-2045/5107, 13-14=-2467/6728, 12-13=-2539/7267, 11-12=-2137/6710, 10-11=-1361/4210
WEBS 2-15=-325/1143, 2-16=-3077/1302, 3-15=-2109/816, 3-14=-191/959, 4-14=-1230/378, 4-13=-31/425, 5-13=-273/121, 5-12=-349/338, 6-12=-168/435, 6-11=-2245/739, 8-11=-243/1071, 8-10=-4299/1366

NOTES

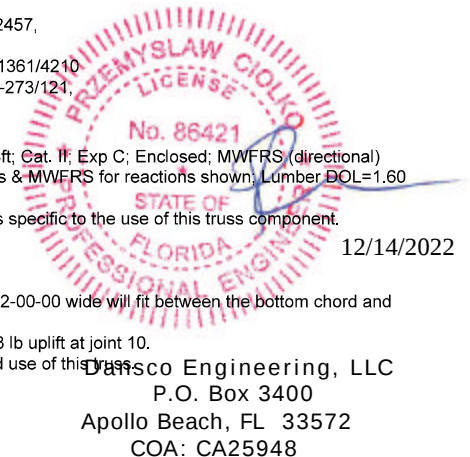
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 376 lb uplift at joint 16 and 313 lb uplift at joint 10.
- 8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S)

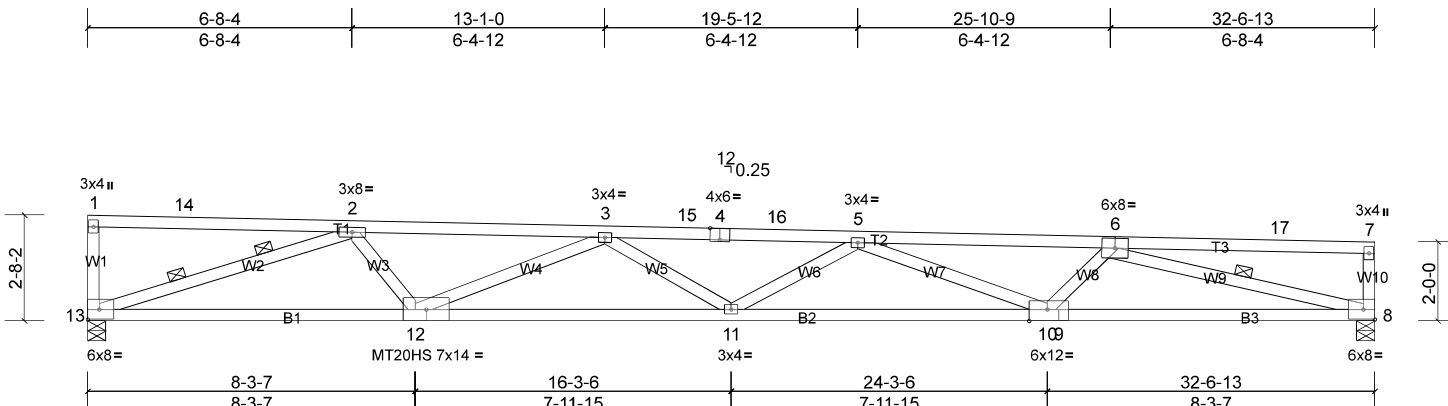
- Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-18=-60, 18-20=-110, 20-22=-60, 8-22=-124, 8-9=-60, 10-16=-20

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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Danisco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948



Scale = 1:54.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.49	10-11	>799	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.88	10-11	>440	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.16	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 155 lb	FT = 15%

LUMBER

TOP CHORD	2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
BOT CHORD	2x4 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* W1,W10,W9:2x4 SP No.2

REACTIONS

(lb/size) 8=1338/0-5-8, (min. 0-1-8), 13=1349/0-5-8, (min. 0-1-8)
 Max Horiz 13=-91 (LC 8)
 Max Uplift 8=-426 (LC 12), 13=-423 (LC 12)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 4-11-4 oc bracing.	
WEBS	1 Row at midpt	6-8
WEBS	2 Rows at 1/3 pts	2-13

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

FORCES

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

TOP CHORD 2-3=-3785/1866, 3-15=-5392/2619, 4-15=-5394/2617, 4-16=-5394/2617, 5-16=-5398/2617, 5-6=-4381/2179

BOT CHORD 12-13=-1710/3236, 11-12=-2590/5143, 10-11=-2788/5405, 9-10=-2048/3836, 8-9=-2048/3836

WEBS 2-13=-3340/1757, 2-12=-281/939, 3-12=-1489/804, 3-11=-83/412, 5-10=-1112/650, 6-10=-205/795, 6-8=-3861/2054

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCdL=5.0psf; BCdL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 13 and 426 lb uplift at joint 8.
- 8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

12/14/2022

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-96, 4-7=-60, 8-13=-20

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

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Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	B01	Roof Special	6	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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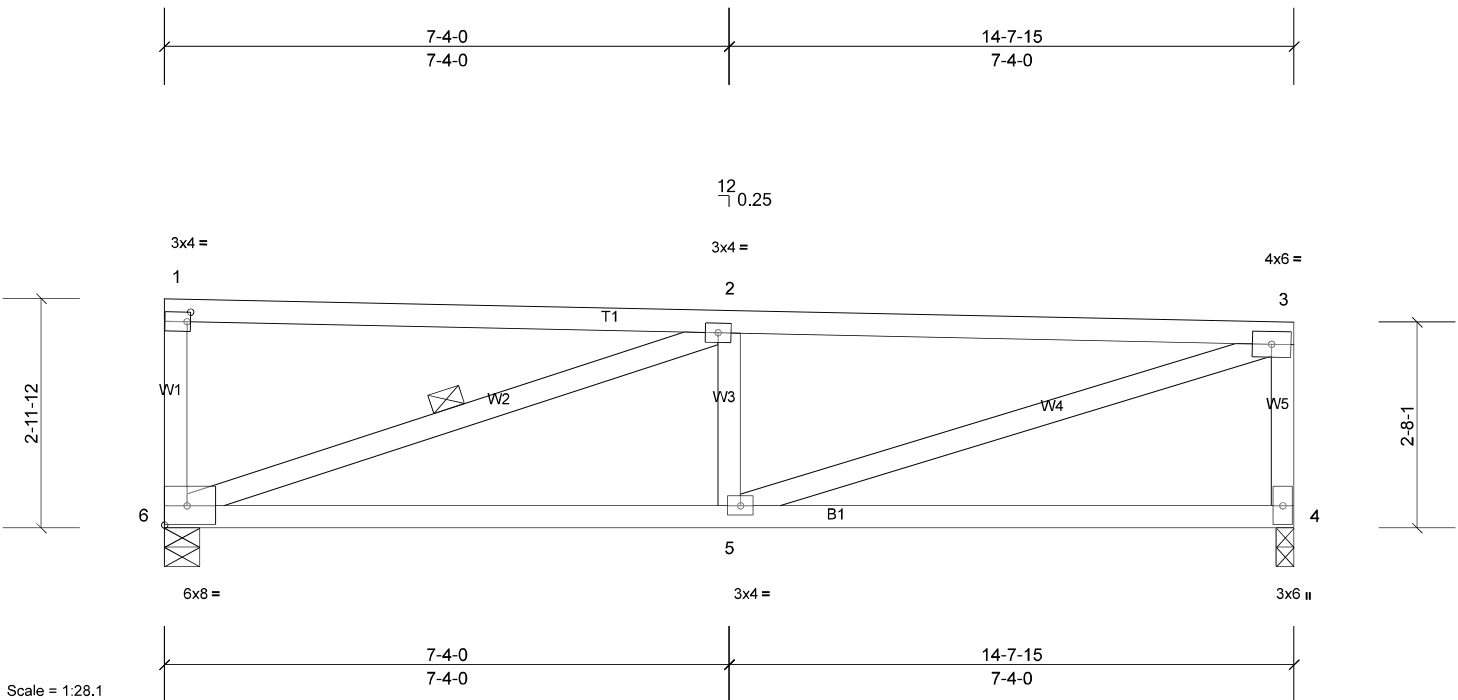


Plate Offsets (X, Y): [1:0-0-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.14	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 75 lb	FT = 15%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W1,W5:2x4 SP No.2

REACTIONS (lb/size) 4=575/0-2-12, (min. 0-1-8), 6=575/0-5-8, (min. 0-1-8)
Max Horiz 6=-95 (LC 8)
Max Uplift 4=-202 (LC 9), 6=-207 (LC 8)

BRACING

TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals.

Rigid ceiling directly applied or 6-0-5 oc bracing.

1 Row at midpt 2-6

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

FORCES

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

TOP CHORD 2-3=-978/878, 3-4=-508/547
BOT CHORD 5-6=-930/974
WEBS 2-6=-974/925, 2-5=-147/375, 3-5=-887/958

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCCL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=15ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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 at joint(s) 4.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 6 and 202 lb uplift at joint 4.

LOAD CASE(S) Standard

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

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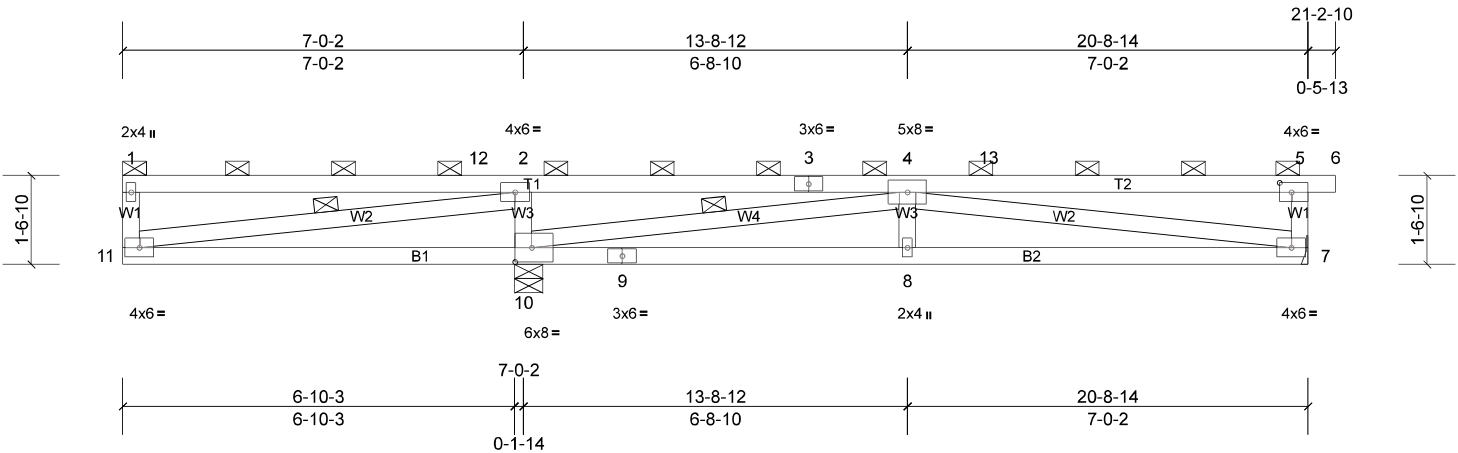
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F01	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:37.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	0.09	8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.18	7-8	>921	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.70	Horz(CT)	0.02	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
Weight: 98 lb FT = 15%											

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T2:2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3 *Except* W3:2x4 SP No.2

BRACING

TOP CHORD 2-0-0 oc purlins (4-1-9 max.): 1-6, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-2-13 oc bracing.
 WEBS 1 Row at midpt 2-11, 4-10

REACTIONS (lb/size) 7=443/ Mechanical, (min. 0-1-8), 10=1230/0-6-0, (min. 0-1-8)
 Max Horiz 10=40 (LC 10)
 Max Uplift 7=209 (LC 9), 10=638 (LC 12)

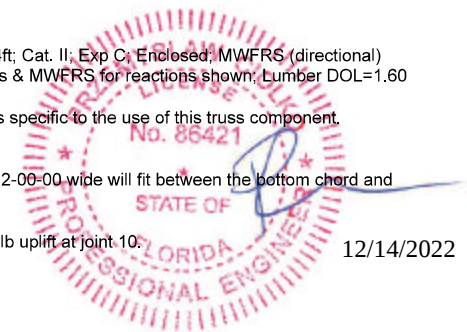
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1851/1091, 3-4=-1851/1091, 5-7=-252/278
 BOT CHORD 10-11=-1091/1861, 9-10=-484/942, 8-9=-484/942, 7-8=-484/942
 WEBS 2-11=-1996/1171, 2-10=-690/913, 4-10=-1972/1872, 4-8=0/262, 4-7=-764/393

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=21ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 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 209 lb uplift at joint 7 and 638 lb uplift at joint 10.
- 8) 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

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



12/14/2022

Dansco Engineering, LLC
 P.O. Box 3400
 Apollo Beach, FL 33572
 COA: CA25948

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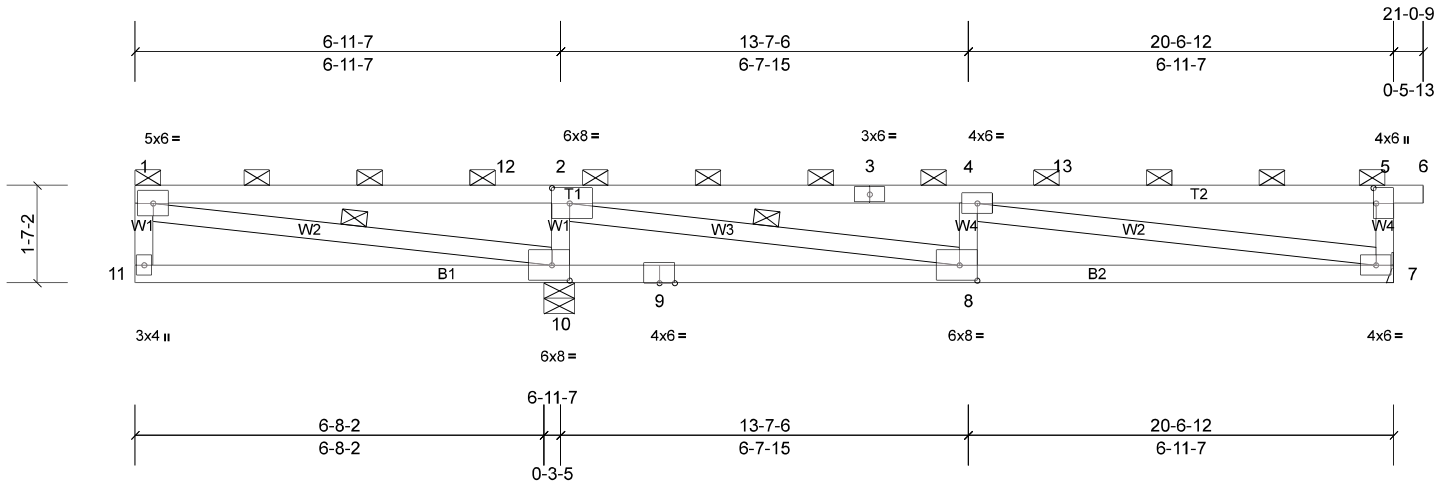
Job 3278724	Truss F02	Truss Type Flat	Qty 1	Ply 1	Job Reference (optional) DE Job # 97901-W1
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Builders First Source, Atlanta Components

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Scale = 1:35.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.08	8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.16	7-8	>985	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
Weight: 97 lb FT = 15%											

LUMBER

TOP CHORD 2x4 SP 2400F 2.0E *Except* T2:2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

BRACING

TOP CHORD 2-0-0 oc purlins (5-11-1 max.): 1-6, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-12 oc bracing.
WEBS 1 Row at midpt 1-10, 2-8

REACTIONS (lb/size) 7=440/ Mechanical, (min. 0-1-8), 10=1220/0-6-0, (min. 0-1-8)
Max Horiz 10=-41 (LC 10)
Max Uplift 7=-207 (LC 9), 10=-632 (LC 12)

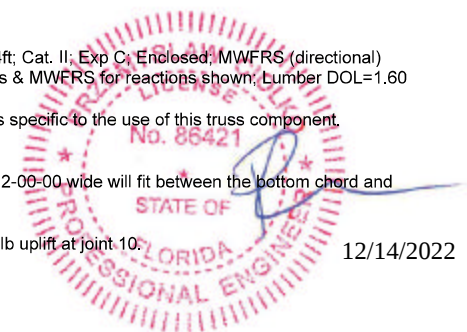
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1780/1047, 2-12=-1780/1047, 2-3=-905/441, 3-4=-905/441, 5-7=-249/276
BOT CHORD 9-10=-1047/1832, 8-9=-1047/1832, 7-8=-465/904
WEBS 1-10=-1128/1930, 2-10=-836/894, 2-8=-1805/1896, 4-8=-253/482, 4-7=-741/381

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=21ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 7 and 632 lb uplift at joint 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

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



12/14/2022

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Apollo Beach, FL 33572
COA: CA25948

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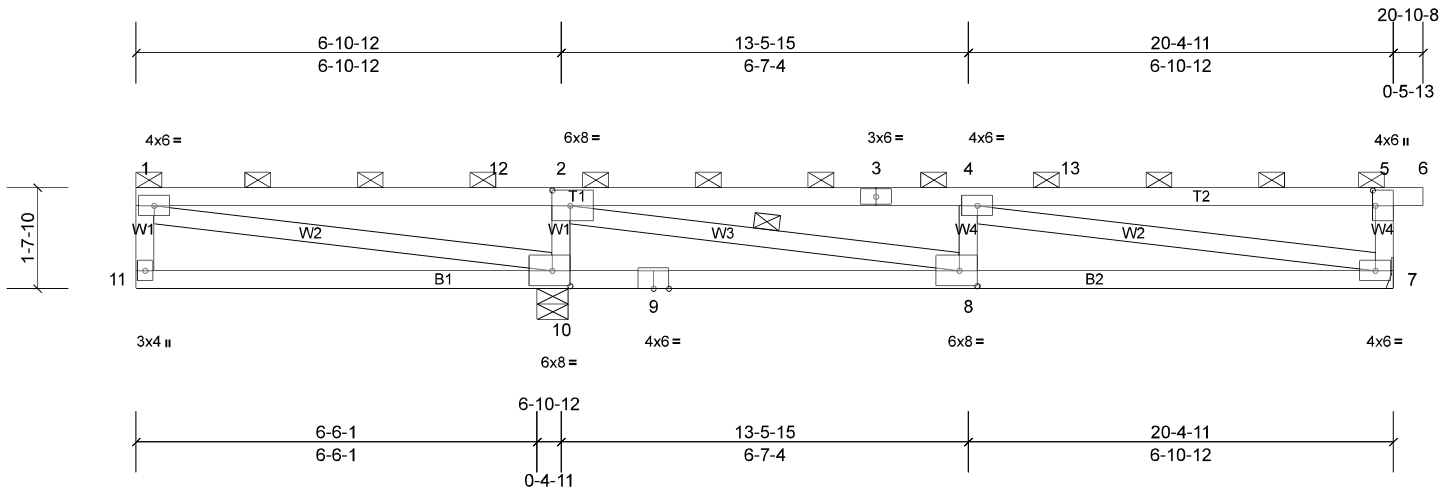
Job 3278724	Truss F03	Truss Type Flat	Qty 1	Ply 1	Job Reference (optional) DE Job # 97901-W1
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Builders First Source, Atlanta Components

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Scale = 1:35.2

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	1.00	0.08	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(LL)	-0.16	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
Weight: 97 lb FT = 15%											

LUMBER

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

BRACING

TOP CHORD 2-0-0 oc purlins (3-10-4 max.): 1-6, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-15 oc bracing.
WEBS 1 Row at midpt 2-8

REACTIONS (lb/size) 7=436/ Mechanical, (min. 0-1-8), 10=1209/0-6-0, (min. 0-1-8)
Max Horiz 10=42 (LC 11)
Max Uplift 7=-206 (LC 9), 10=-627 (LC 12)

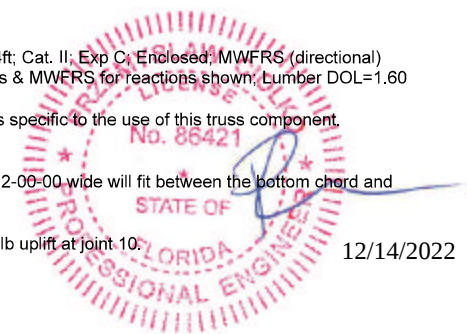
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1727/1014, 2-12=-1727/1014, 2-3=-870/425, 3-4=-870/425, 5-7=-244/273
BOT CHORD 9-10=-1014/1780, 8-9=-1014/1780, 7-8=-450/870
WEBS 1-10=-1105/1886, 2-10=-823/883, 2-8=-1763/1835, 4-8=-256/487, 4-7=-720/372

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf, BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 7 and 627 lb uplift at joint 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

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

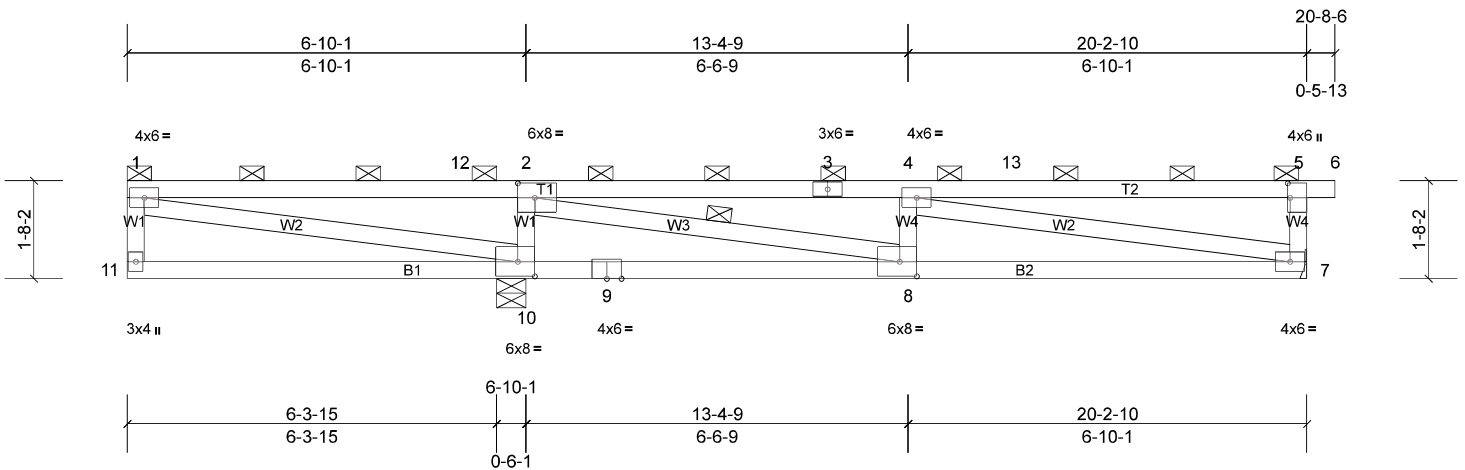


12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

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Scale = 1:37.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	0.07	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.15	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 96 lb	FT = 15%

LUMBER

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

REACTIONS

(lb/size) 7=433/ Mechanical, (min. 0-1-8), 10=1199/0-6-0, (min. 0-1-8)
 Max Horiz 10=-44 (LC 10)
 Max Uplift 7=-204 (LC 9), 10=-622 (LC 12)

FORCES

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=1661/971, 2-12=1661/971, 2-3=834/406, 3-4=834/406, 5-7=241/271
 BOT CHORD 9-10=971/1716, 8-9=971/1716, 7-8=431/833
 WEBS 1-10=1061/1817, 2-10=816/879, 2-8=1701/1761, 4-8=254/486, 4-7=695/358

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCdL=5.0psf; BCdL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 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 204 lb uplift at joint 7 and 622 lb uplift at joint 10.
- 8) 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

BRACING

TOP CHORD	2-0-0 oc purlins (3-11-12 max.): 1-6, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-7-10 oc bracing.
WEBS	1 Row at midpt 2-8

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

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

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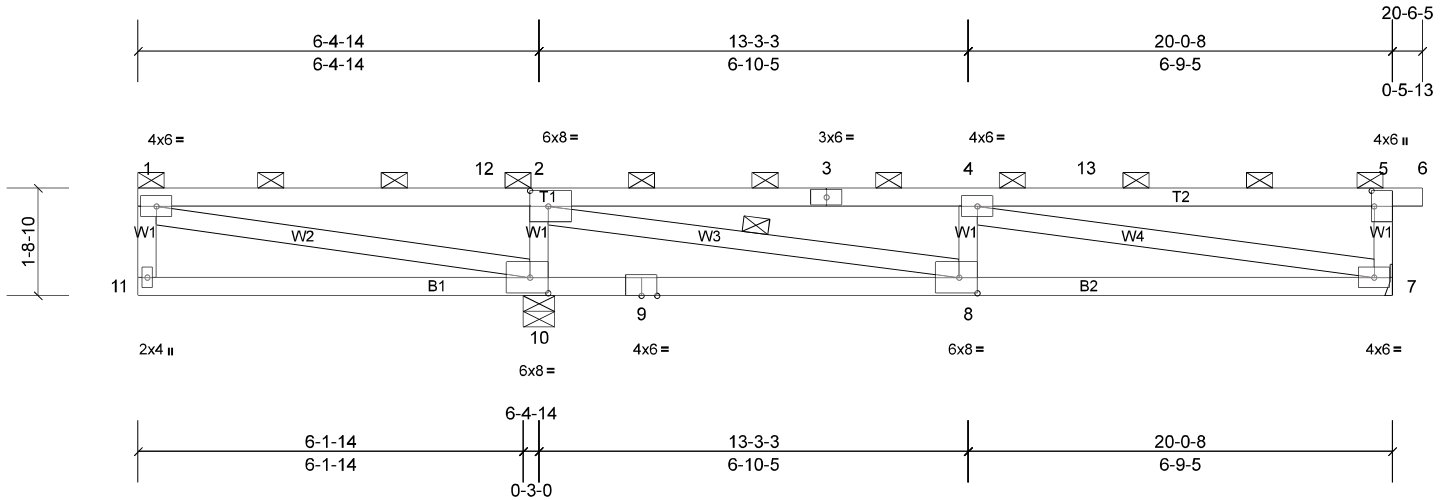
Job 3278724	Truss F05	Truss Type Flat	Qty 1	Ply 1	Job Reference (optional) DE Job # 97901-W1
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Builders First Source, Atlanta Components

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Scale = 1:34.6

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	0.08	8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.15	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
Weight: 96 lb FT = 15%											

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (4-4-9 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=462/ Mechanical, (min. 0-1-8), 10=1156/0-6-0, (min. 0-1-8)
Max Horiz 10=45 (LC 11)
Max Uplift 7=-210 (LC 9), 10=-590 (LC 12)

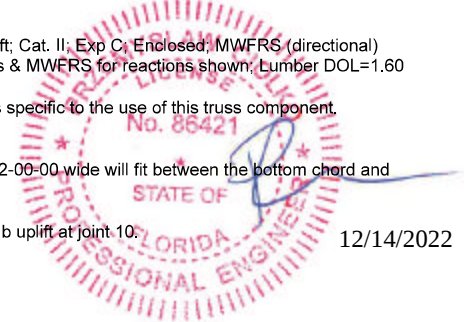
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1408/799, 2-12=-1408/799, 2-3=-924/426, 3-4=-924/426, 5-7=-236/266
BOT CHORD 9-10=-799/1465, 8-9=-799/1465, 7-8=-452/923
WEBS 1-10=-872/1541, 2-10=-797/858, 2-8=-1644/1719, 4-8=-234/463, 4-7=-800/386

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 210 lb uplift at joint 7 and 590 lb uplift at joint 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

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



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COA: CA25948

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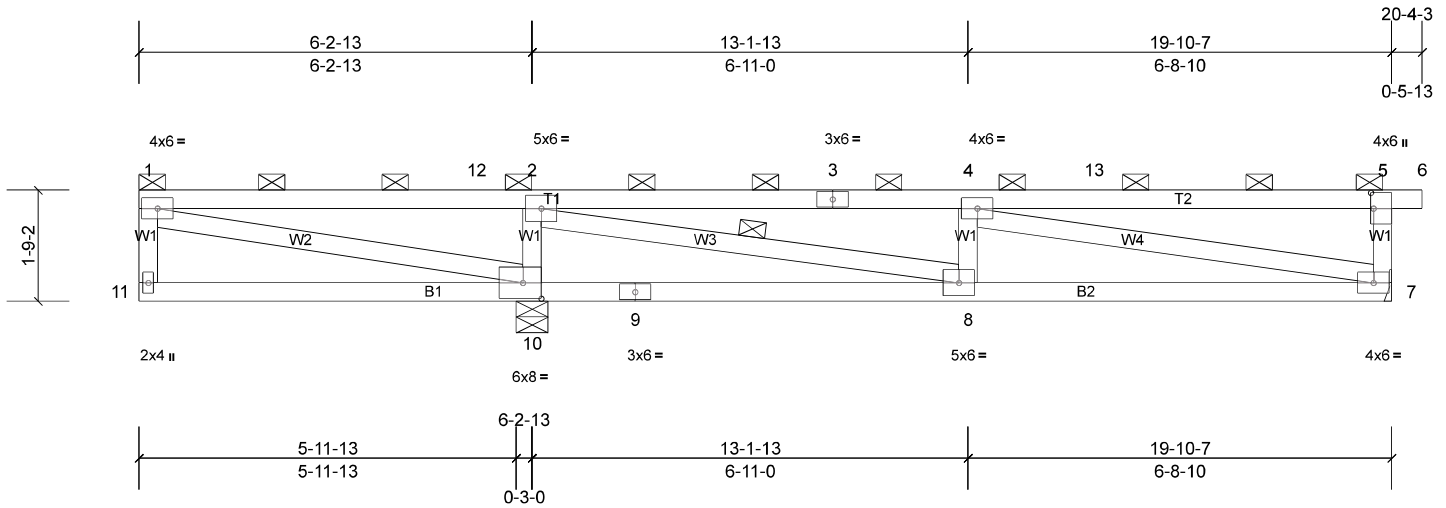
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F06	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:34.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.86	0.08	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	-0.14	7-8	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.69	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S						Weight: 95 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (4-7-2 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=468/ Mechanical, (min. 0-1-8), 10=1136/0-6-0, (min. 0-1-8)
Max Horiz 10=46 (LC 8)
Max Uplift 7=211 (LC 9), 10=577 (LC 12)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1299/726, 2-12=-1299/726, 2-3=-923/419, 3-4=-923/419, 5-7=-232/264
BOT CHORD 9-10=-726/1358, 8-9=-726/1358, 7-8=-446/923
WEBS 1-10=-794/1423, 2-10=-787/850, 2-8=-1588/1659, 4-8=-226/455, 4-7=-810/384

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 7 and 577 lb uplift at joint 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

12/14/2022

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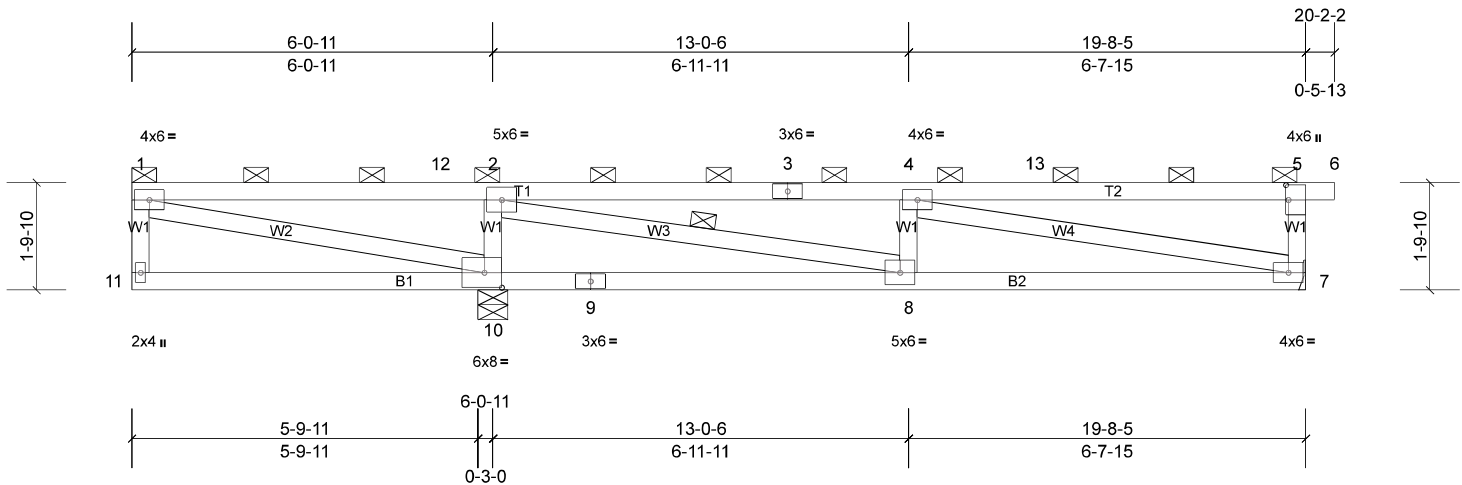
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F07	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:36.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	0.07	7-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.13	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
										Weight: 95 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (4-9-11 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=474/ Mechanical, (min. 0-1-8), 10=1115/0-6-0, (min. 0-1-8)
Max Horiz 10=47 (LC 11)
Max Uplift 7=-212 (LC 9), 10=-563 (LC 12)

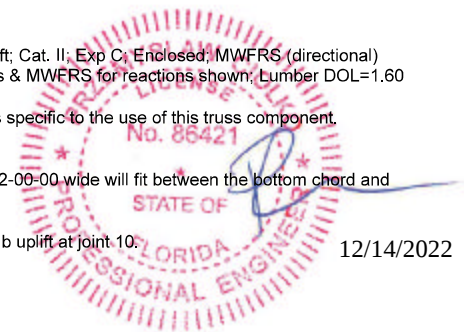
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1196/658, 2-12=-1196/658, 2-3=-921/412, 3-4=-921/412, 5-7=-229/261
BOT CHORD 9-10=-658/1257, 8-9=-658/1257, 7-8=-439/921
WEBS 1-10=-720/1313, 2-10=-777/842, 2-8=-1534/1601, 4-8=-219/447, 4-7=-820/382

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 212 lb uplift at joint 7 and 563 lb uplift at joint 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

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



12/14/2022

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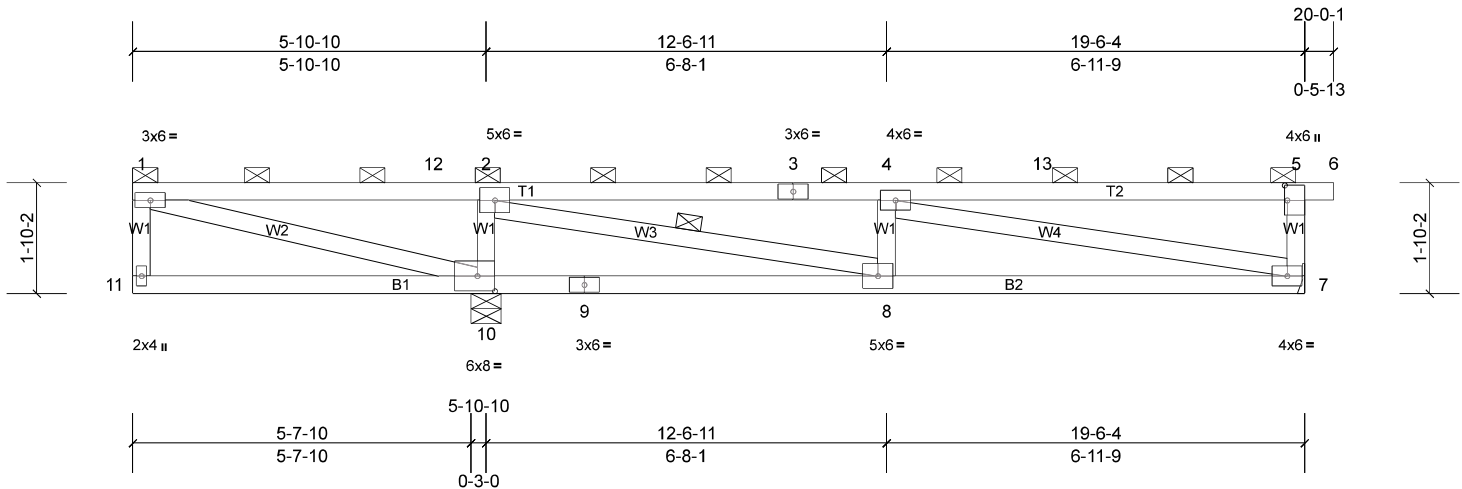
Job 3278724	Truss F08	Truss Type Flat	Qty 1	Ply 1	Job Reference (optional) DE Job # 97901-W1
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Builders First Source, Atlanta Components

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Scale = 1:36.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.76	0.07	8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(LL)	-0.15	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
										Weight: 94 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (5-1-2 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=481/ Mechanical, (min. 0-1-8), 10=1096/0-6-0, (min. 0-1-8)
Max Horiz 10=-49 (LC 10)
Max Uplift 7=-213 (LC 9), 10=-550 (LC 12)

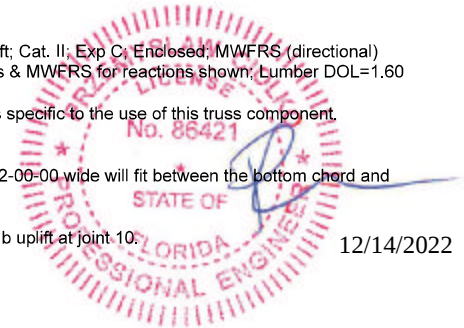
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1112/613, 2-12=-1112/613, 2-3=-906/402, 3-4=-906/402, 5-7=-241/276
BOT CHORD 9-10=-613/1174, 8-9=-613/1174, 7-8=-431/906
WEBS 1-10=-674/1224, 2-10=-767/825, 2-8=-1462/1548, 4-8=-229/451, 4-7=-792/367

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint 7 and 550 lb uplift at joint 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

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



12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

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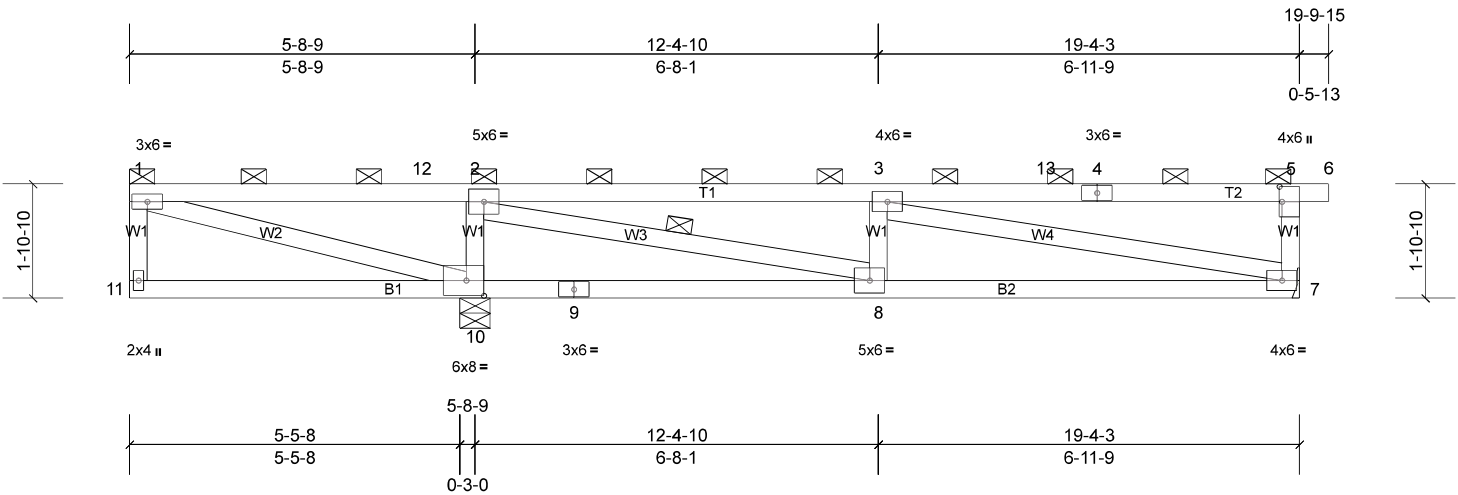
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F09	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:35.9

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	0.07	7-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.15	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
										Weight: 94 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (5-4-0 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

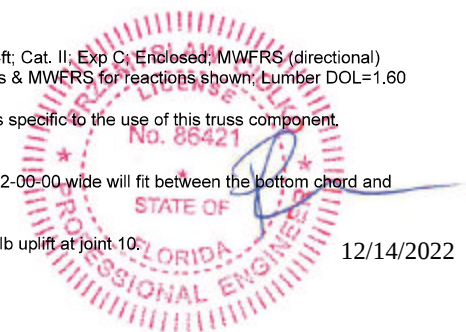
REACTIONS (lb/size) 7=486/ Mechanical, (min. 0-1-8), 10=1076/0-6-0, (min. 0-1-8)
Max Horiz 10=-50 (LC 10)
Max Uplift 7=-214 (LC 9), 10=-537 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1023/556, 2-12=-1023/556, 2-3=-902/395, 5-7=-240/277
BOT CHORD 9-10=-556/1087, 8-9=-556/1087, 7-8=-425/902
WEBS 1-10=-613/1128, 2-10=-758/815, 2-8=-1412/1497, 3-8=-225/446, 3-7=-795/363

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 7 and 537 lb uplift at joint 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



12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

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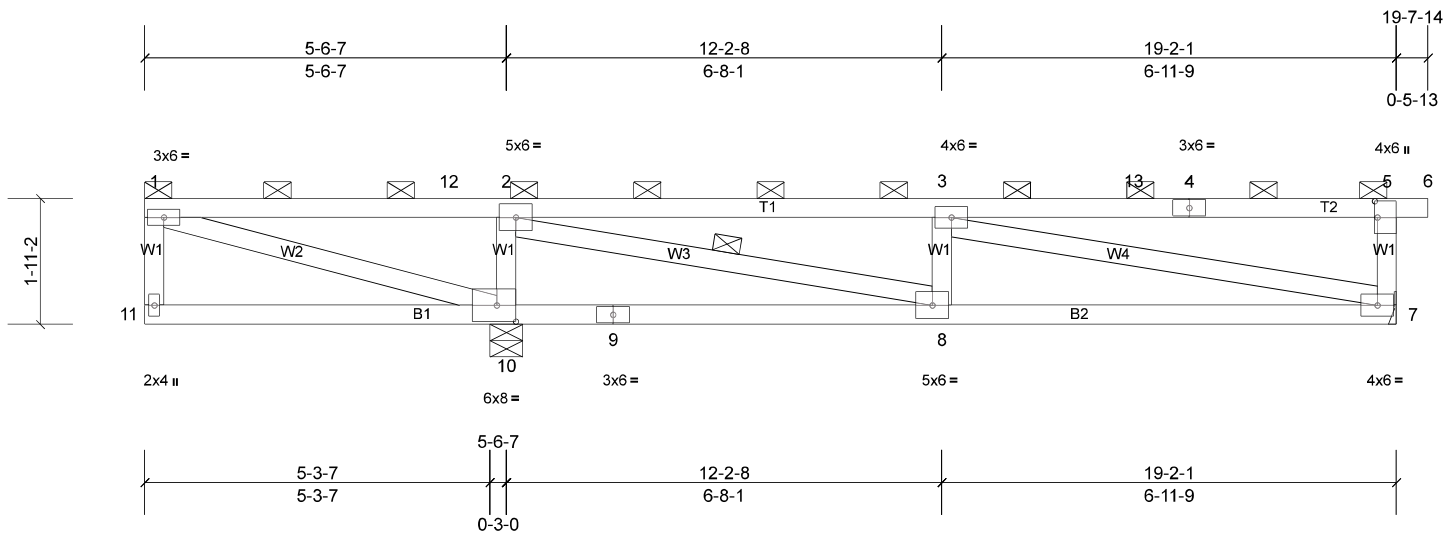
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F10	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:33.2

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.06	7-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.15	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
Weight: 93 lb FT = 15%											

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (5-7-0 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=492/ Mechanical, (min. 0-1-8), 10=1056/0-6-0, (min. 0-1-8)
Max Horiz 10=51 (LC 9)
Max Uplift 7=-214 (LC 9), 10=-525 (LC 12)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-940/503, 2-12=-940/503, 2-3=-904/389, 5-7=-239/277
BOT CHORD 9-10=-503/1006, 8-9=-503/1006, 7-8=-424/904
WEBS 1-10=-556/1038, 2-10=-748/806, 2-8=-1364/1448, 3-8=-220/440, 3-7=-796/360

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 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 214 lb uplift at joint 7 and 525 lb uplift at joint 10.
- 8) 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

12/14/2022

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COA: CA25948

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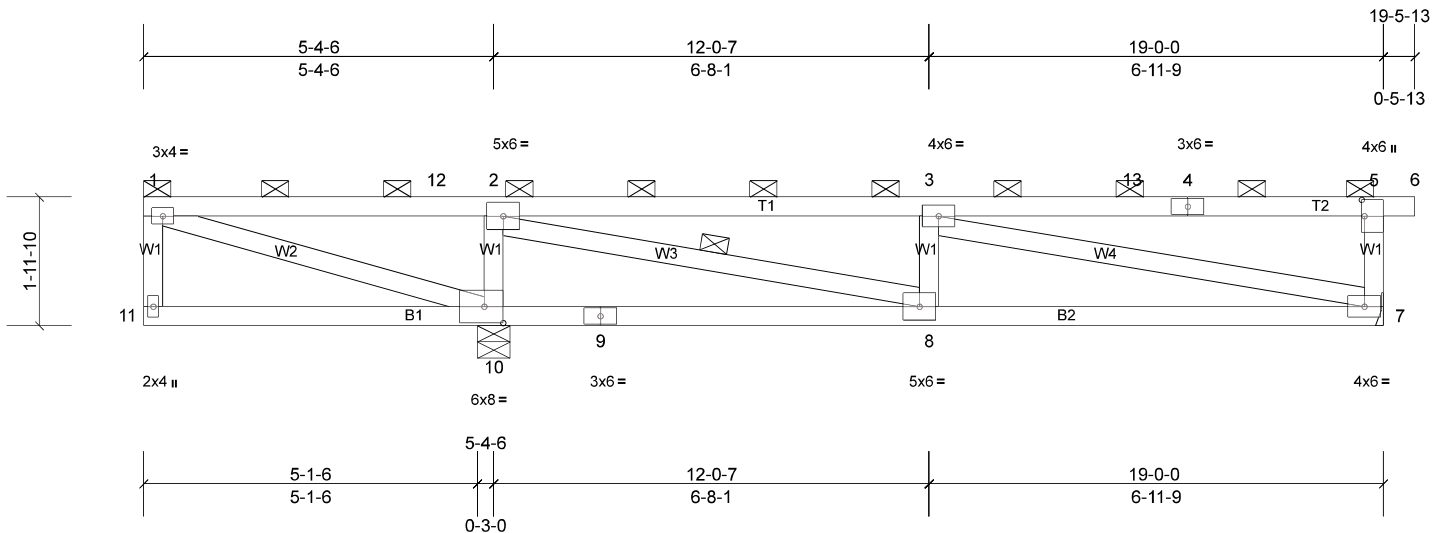
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F11	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:33.2

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.06	7-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.14	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.74	Horz(CT)	-0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
Weight: 93 lb FT = 15%											

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (5-8-8 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=497/ Mechanical, (min. 0-1-8), 10=1037/0-6-0, (min. 0-1-8)
Max Horiz 10=53 (LC 9)
Max Uplift 7=-215 (LC 9), 10=-512 (LC 12)

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-862/453, 2-12=-862/453, 2-3=-907/418, 5-7=-238/278
BOT CHORD 9-10=-453/929, 8-9=-453/929, 7-8=-457/907
WEBS 1-10=-503/954, 2-10=-739/797, 2-8=-1319/1402, 3-8=-216/435, 3-7=-797/356

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 7 and 512 lb uplift at joint 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

12/14/2022

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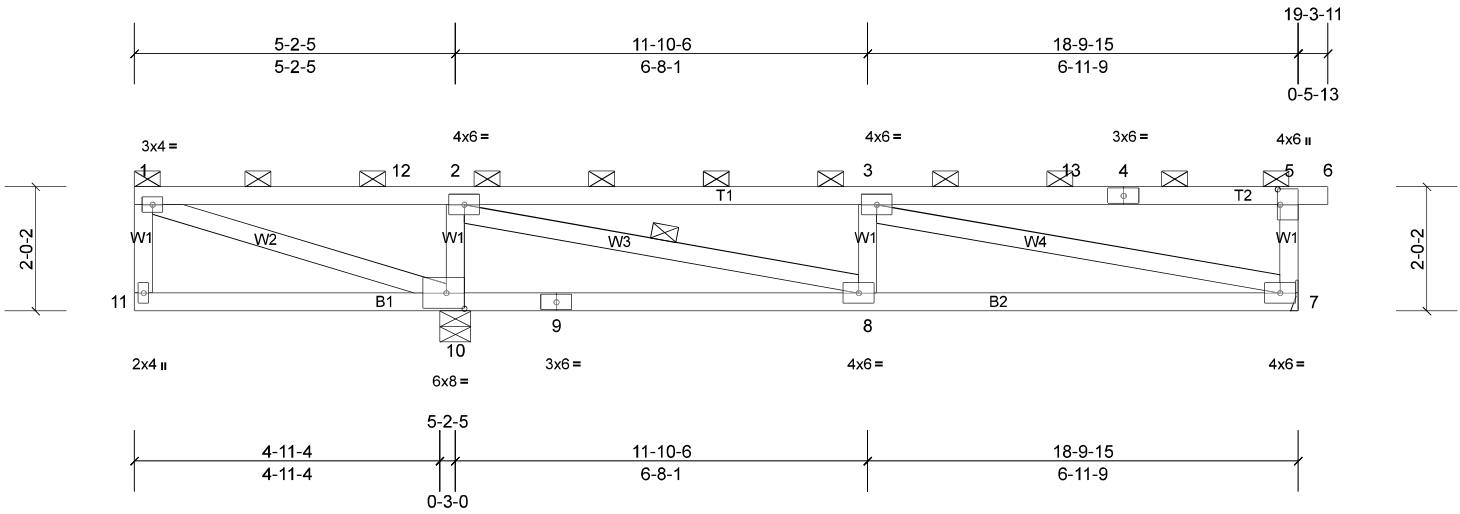
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F12	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:35.1

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	-0.06	7-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.14	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
										Weight: 92 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (5-8-5 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=503/ Mechanical, (min. 0-1-8), 10=1018/0-6-0, (min. 0-1-8)
Max Horiz 10=54 (LC 11)
Max Uplift 7=-216 (LC 9), 10=-499 (LC 12)

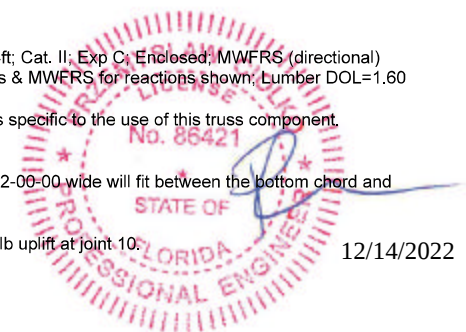
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-788/407, 2-12=-788/407, 2-3=-909/448, 5-7=-237/278
BOT CHORD 9-10=-407/857, 8-9=-407/857, 7-8=-488/909
WEBS 1-10=-453/874, 2-10=-730/789, 2-8=-1276/1359, 3-8=-212/430, 3-7=-804/366

NOTES

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 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 216 lb uplift at joint 7 and 499 lb uplift at joint 10.
- 8) 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

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



12/14/2022

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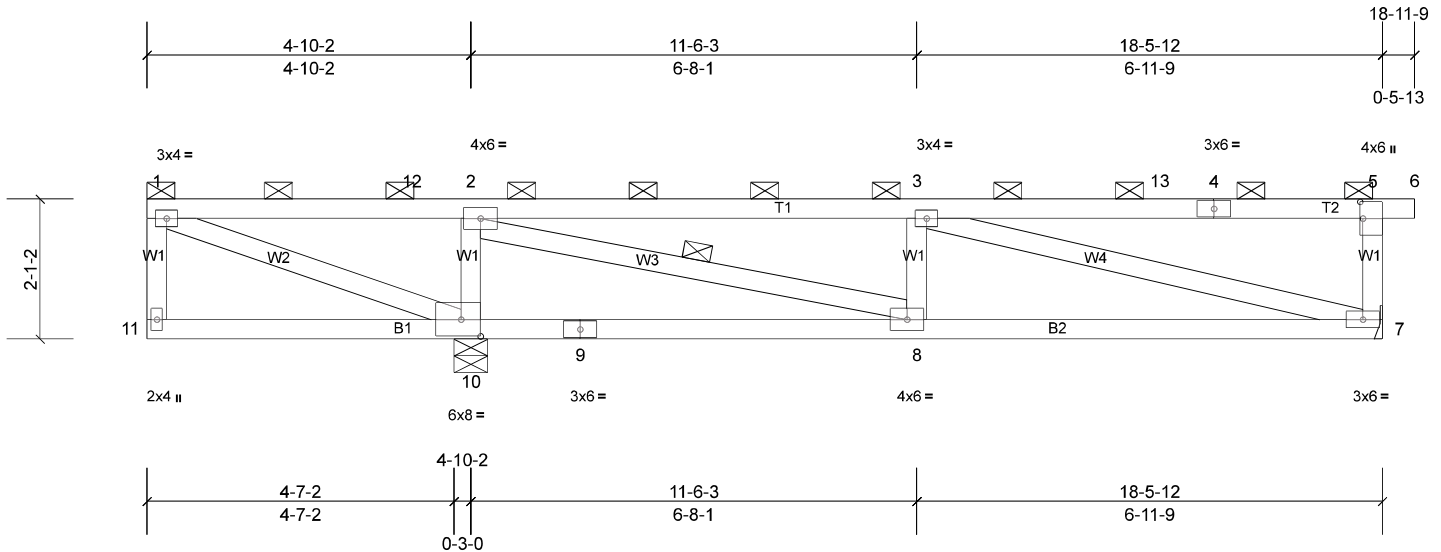
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	F14	Flat	1	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

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Scale = 1:32.4

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

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.06	7-8	>999	240	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.14	7-8	>999	180	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.01	7	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
										Weight: 91 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD
WEBS

2-0-0 oc purlins (5-8-1 max.): 1-6, except end verticals.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 2-8

REACTIONS (lb/size) 7=513/ Mechanical, (min. 0-1-8), 10=980/0-6-0, (min. 0-1-8)
Max Horiz 10=-57 (LC 8)
Max Uplift 7=-217 (LC 9), 10=-474 (LC 12)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-654/323, 2-12=-654/323, 2-3=-910/501, 5-7=-236/279
BOT CHORD 9-10=-328/727, 8-9=-328/727, 7-8=-543/910
WEBS 1-10=-363/729, 2-10=-713/773, 2-8=-1196/1277, 3-8=-204/419, 3-7=-816/430

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=18ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 7 and 474 lb uplift at joint 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

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

WARNING - VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!

This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WCTA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.

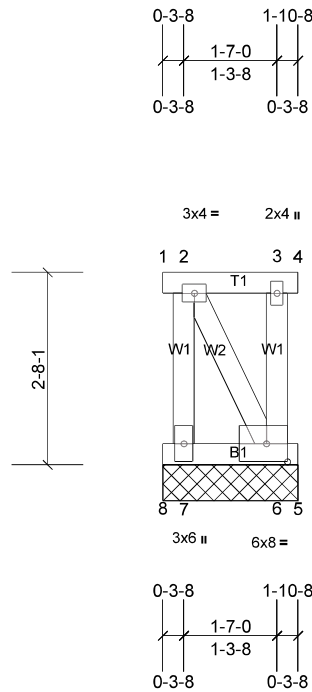
Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
3278724	SB01	Flat Supported Gable	6	1	DE Job # 97901-W1

Builders First Source, Atlanta Components

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:16

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Scale = 1:30.1

Plate Offsets (X, Y): [6:0-3-8,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999	
BCLL	0.0*	Rep Stress Incr	NO	WB	0.22	Horz(CT)	n/a	-	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-P							
										Weight: 15 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

2-0-0 oc purlins: 1-4.

Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS

All bearings 1-10-8.
(lb) - Max Horiz 8=124 (LC 25)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 8 except 6=529 (LC 26), 7=529 (LC 25)
Max Grav All reactions 250 (lb) or less at joint(s) 5, 8 except 6=551 (LC 41), 7=551 (LC 42)

FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=276/276
WEBS 2-7=541/617, 2-6=578/578

NOTES

- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCCL=5.0psf, BCDL=5.0psf; h=30ft; B=0ft; L=2ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 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 11 lb uplift at joint 8, 11 lb uplift at joint 5, 529 lb uplift at joint 6, 529 lb uplift at joint 7.
- This truss has been designed for a total drag load of 400 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-8 for 213.3 plf.
- 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

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12/14/2022

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