MiTek®

RE: 4202885 - 200 Sundance Court

MiTek, Inc.
400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571

Site Information:
Project Customer: Project Name:
Lot/Block: Subdivision:
Model:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IBC2021/TPI2014
Wind Code: ASCE 7-16
Wind Speed: 115 mph
Roof Load: 40.0 psf
Mean Roof Height (feet): 25

Design Program: MiTek 20/20 8.8
Design Method: MWFRS (Directional)/C-C hybrid Wind ASCE 7-16
Floor Load: N/A psf

Exposure Category: C

No.	Seal#	Truss Name	Date
1	R87424717	A1	3/31/25
2	R87424718	A2	3/31/25
3	R87424719	A3	3/31/25
4	R87424720	A4	3/31/25
5	R87424721	A5	3/31/25
6	R87424722	A6	3/31/25
7	R87424723	AA	3/31/25
8	R87424724	AE	3/31/25
9	R87424725	B1	3/31/25
10	R87424726	B2	3/31/25
11	R87424727	B3	3/31/25
12	R87424728	B4	3/31/25
13	R87424729	B5	3/31/25
14	R87424730	BA	3/31/25
15	R87424731	BE	3/31/25

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource - Colorado Springs.

Truss Design Engineer's Name: Hernandez, Marcos
My license renewal date for the state of Colorado is October 31, 2025.

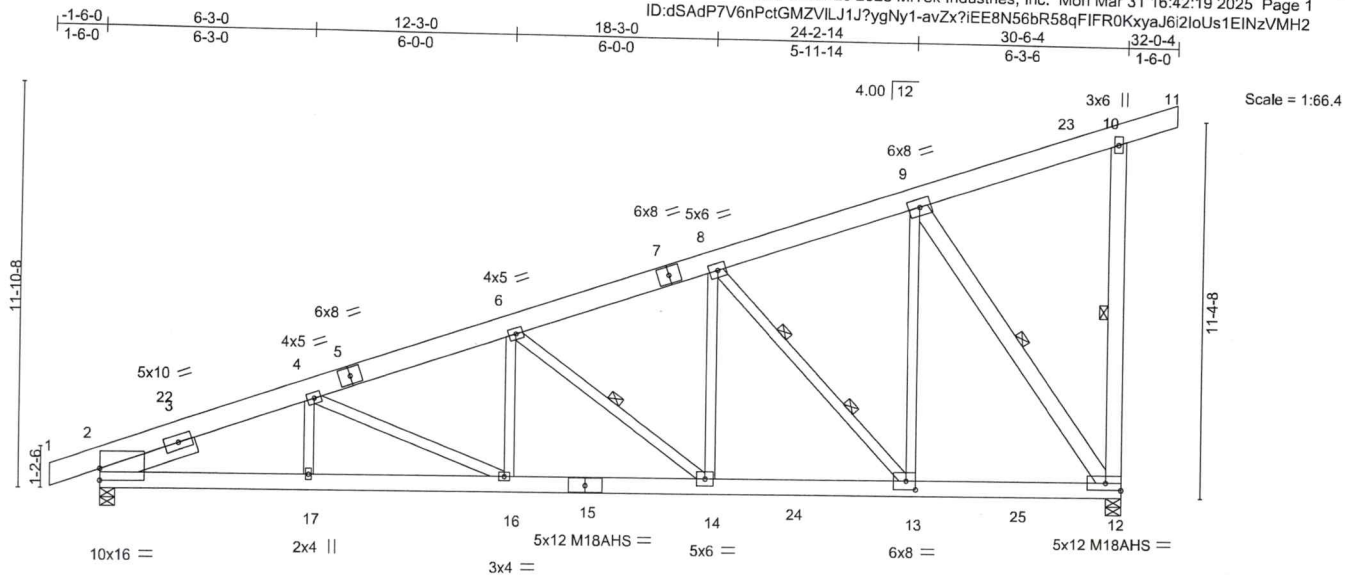
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

March 31,2025

Hernandez, Marcos

Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	
4202885	A1	MONOPITCH	14	1	Job Reference (optional)	R87424717

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:19 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-avZx?iEE8N56bR58qFIFR0KxyaJ6i2IoUs1EINzVMH2



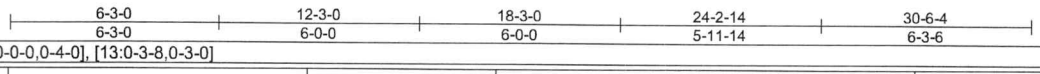


Plate Offsets (X,Y)-- [2:0-0-0,0-4-0], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.35	16-17	>999	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.42	16-17	>866	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.14	12	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 259 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 10-12,9-12: 2x6 SPF 2100F 1.8E
SLIDER	Left 2x6 SPF 2100F 1.8E 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-1-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 10-12, 6-14, 9-12 2 Rows at 1/3 pts 8-13

REACTIONS. (size) 12=0-5-8 (req. 0-8-15), 2=0-5-8 (req. 0-7-2)
Max Horz 2=346(LC 11)
Max Uplift 12=-189(LC 14), 2=-144(LC 14)
Max Grav 12=5436(LC 19), 2=4324(LC 19)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING ENHANCER, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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

TOP CHORD	2-4=-7650/355, 4-6=-7074/340, 6-8=-5353/275, 8-9=-3142/200, 9-10=-371/271, 10-12=-1477/143
BOT CHORD	2-17=-630/7001, 16-17=-630/7001, 14-16=-526/6611, 13-14=-387/4867, 12-13=-250/2712
WEBS	4-16=-599/115, 6-16=0/491, 6-14=-2281/176, 8-14=-62/1510, 8-13=-3242/206, 9-13=-127/2550, 9-12=-4739/267

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=31ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-6-10, Interior(1) 1-6-10 to 32-0-4 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Plates checked for a plus or minus 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) WARNING: Required bearing size at joint(s) 12, 2 greater than input bearing size.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=189, 2=144.

March 31,2025

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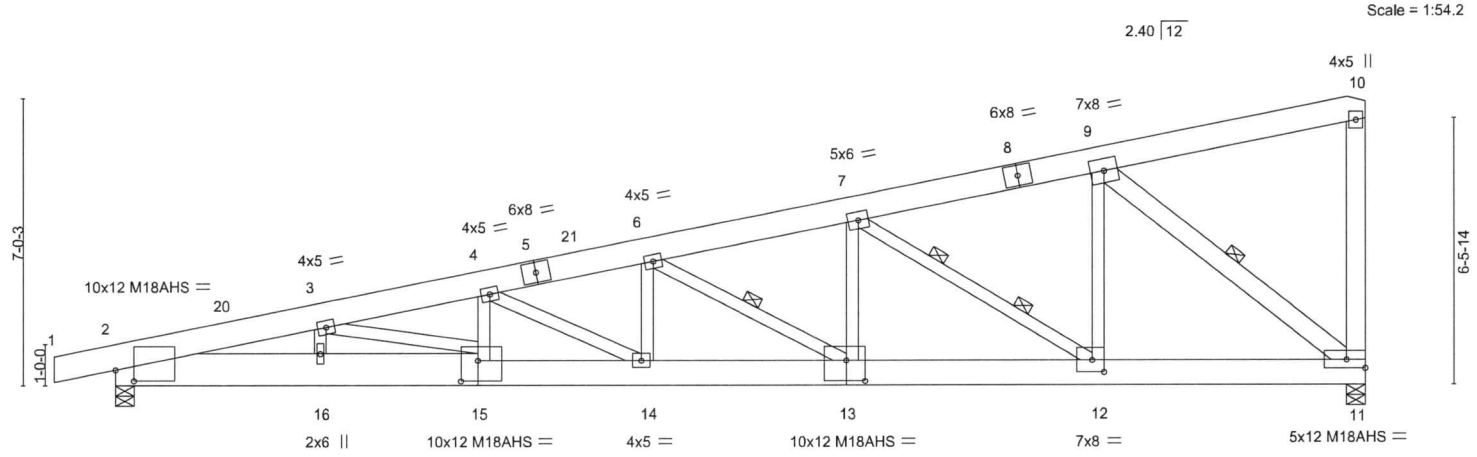
Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424718
4202885	A2	ROOF SPECIAL	5	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:19 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-avZx?iEE8N56bR58qFIFR0KvSaHOi1soUs1EINzVMH2

-1-6-0	5-0-0	9-0-0	13-0-0	18-0-0	24-0-0	30-1-0	30-6-4
1-6-0	5-0-0	4-0-0	4-0-0	5-0-0	6-0-0	6-1-0	0-5-4

Scale = 1:54.2



5-0-0	9-0-0	13-0-0	18-0-0	24-0-0	30-6-4
5-0-0	4-0-0	4-0-0	5-0-0	6-0-0	6-6-4

Plate Offsets (X,Y)-- [2:0-5-6,0-3-4], [12:0-3-8,0-3-8], [13:0-5-8,0-6-0], [15:0-5-0,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.64	14-15	>565	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.75	14-15	>486	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.16	11	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 257 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x8 DF 1950F 1.7E *Except* 2-15: 2x10 DF 1950F 1.7E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 10-11,9-11: 2x6 SPF 2100F 1.8E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 6-13, 9-11 2 Rows at 1/3 pts 7-12

REACTIONS. (size) 2=0-5-8 (req. 0-7-7), 11=0-5-8 (req. 0-7-14)
Max Horz 2=213(LC 13)
Max Uplift 2=-257(LC 10), 11=-222(LC 10)
Max Grav 2=4520(LC 19), 11=4777(LC 19)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING ENHANCER, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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

TOP CHORD	2-3=-11761/845, 3-4=-12651/908, 4-6=-11492/816, 6-7=-8957/637, 7-9=-5040/388, 9-10=-273/93, 10-11=-790/87
BOT CHORD	2-16=-1039/11409, 15-16=-1039/11403, 14-15=-1055/12376, 13-14=-920/11207, 12-13=-702/8586, 11-12=-413/4790
WEBS	3-16=-860/102, 3-15=-41/1018, 4-14=-1480/154, 6-14=-35/824, 6-13=-3007/253, 7-13=-86/1675, 7-12=-4558/346, 9-12=-141/2668, 9-11=-6146/444

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) -1-6-0 to 2-8-15, Exterior(2R) 2-8-15 to 30-3-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Plates checked for a plus or minus 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) WARNING: Required bearing size at joint(s) 2, 11 greater than input bearing size.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=257, 11=222.

March 31,2025

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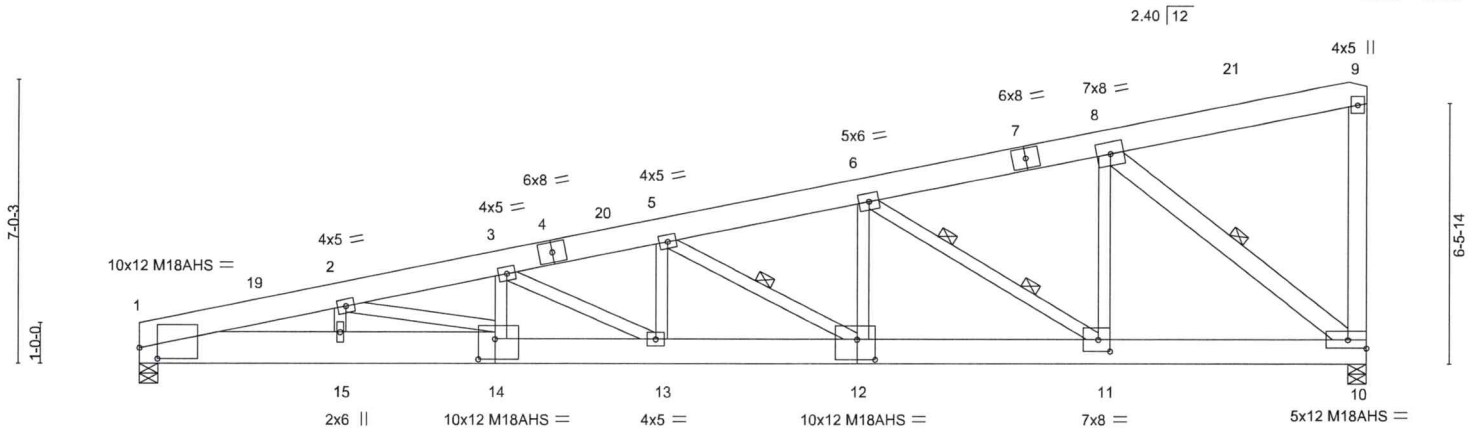
Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424719
4202885	A3	ROOF SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:20 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-257JC2FsvgDzDbgKOypUzEt4D_cgRUDxjWmorqzVMH1

5-0-0	9-0-0	13-0-0	18-0-0	24-0-0	30-1-0	30-6-4
5-0-0	4-0-0	4-0-0	5-0-0	6-0-0	6-1-0	0-5-4

Scale = 1:55.3



5-0-0	9-0-0	13-0-0	18-0-0	24-0-0	30-6-4
5-0-0	4-0-0	4-0-0	5-0-0	6-0-0	6-6-4

Plate Offsets (X,Y)-- [1:0-5-6,0-3-4], [11:0-3-8,0-3-8], [12:0-5-8,0-6-0], [14:0-5-0,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.64	13-14	>567	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.96	Vert(CT)	-0.75	13-14	>487	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.16	10	n/a	n/a		
BCLL	0.0 *	Code IBC2021/TPI2014		Matrix-MS							Weight: 252 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x8 DF 1950F 1.7E *Except* 1-14: 2x10 DF 1950F 1.7E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 9-10,8-10: 2x6 SPF 2100F 1.8E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 5-12, 8-10 2 Rows at 1/3 pts 6-11

REACTIONS. (size) 1=0-5-8 (req. 0-6-13), 10=0-5-8 (req. 0-7-13)
Max Horz 1=208(LC 13)
Max Uplift 1=-202(LC 10), 10=-223(LC 10)
Max Grav 1=4144(LC 18), 10=4745(LC 18)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING ENHANCER, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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

TOP CHORD	1-2=-11797/577, 2-3=-12587/605, 3-5=-11400/545, 5-6=-8893/432, 6-8=-5005/278, 8-9=-271/96, 9-10=-785/75
BOT CHORD	1-15=-711/11441, 14-15=-711/11435, 13-14=-709/12312, 12-13=-618/11119, 11-12=-476/8524, 10-11=-292/4757
WEBS	2-15=-790/71, 2-14=-10/918, 3-13=-1519/106, 5-13=-13/843, 5-12=-2976/174, 6-12=-40/1659, 6-11=-4525/237, 8-11=-75/2649, 8-10=-6104/303

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 30-3-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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) All plates are MT20 plates unless otherwise indicated.
5) Plates checked for a plus or minus 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 1, 10 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=202, 10=223.

March 31,2025

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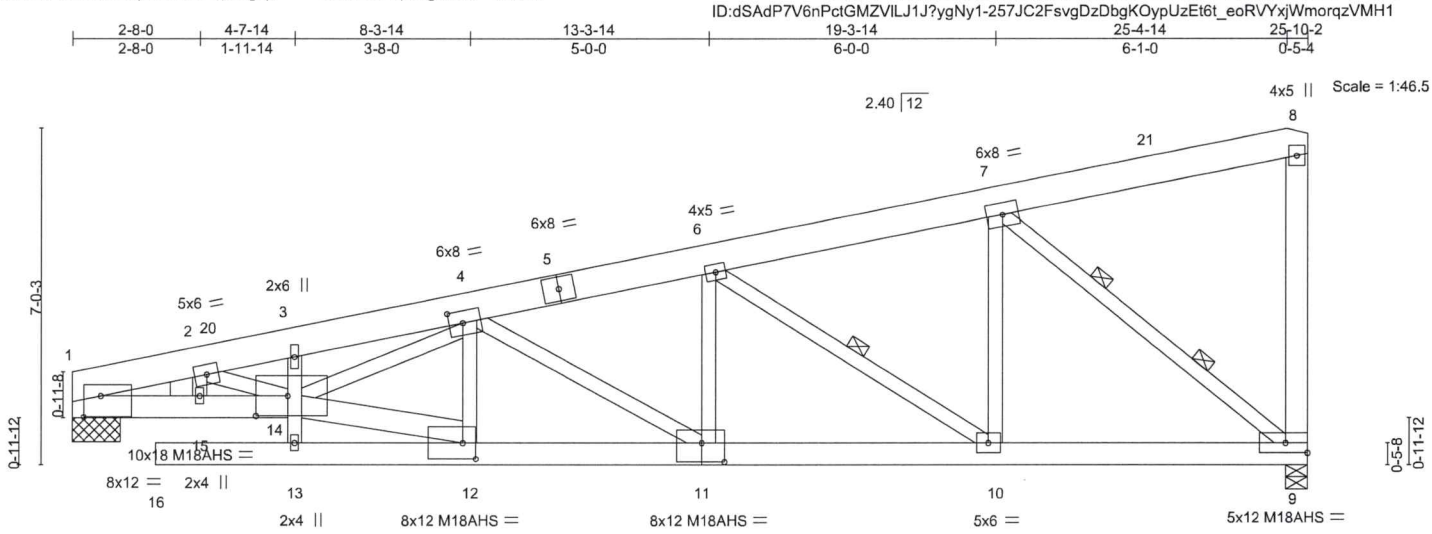
Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	
4202885	A4	Monopitch	1	1	Job Reference (optional)	R87424720

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:20 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-257JC2FsvgDzDbgKOypUzEt6t_eoRVYxjWmorqzVMH1



1-9-0	2-8-0	4-7-14	8-3-14	13-3-14	19-3-14	25-10-2
1-9-0	0-11-0	1-11-14	3-8-0	5-0-0	6-0-0	6-6-4

Plate Offsets (X,Y)-- [1:0-4-4,0-5-4], [4:0-3-7,0-3-0], [11:0-5-12,0-4-12], [12:0-3-4,0-4-0], [14:0-8-0,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.35	11-12	>889	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.41	11-12	>755	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.11	9	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 199 lb	FT = 12%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 DF 1950F 1.7E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except*
12-14,8-9: 2x6 SPF 2100F 1.8E, 7-9: 2x4 SPF 1650F 1.5E
WEDGE
Left: 2x4 DF or SP or SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-10
2 Rows at 1/3 pts 7-9

REACTIONS. (size) 9=0-5-8 (req. 0-6-9), 1=1-0-0
Max Horz 1=200(LC 13)
Max Uplift 9=-186(LC 10), 1=-148(LC 10)
Max Grav 9=3987(LC 18), 1=3595(LC 18)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING ENHANCER, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8226/353, 2-3=-9911/410, 3-4=-9604/422, 4-6=-6524/326, 6-7=-4011/235, 7-8=-265/104, 8-9=-787/76
BOT CHORD 12-13=-10/353, 11-12=-405/7113, 10-11=-356/6226, 9-10=-244/3782, 1-15=-503/7907, 14-15=-503/7907
WEBS 12-14=-405/6950, 4-12=-1675/128, 4-11=-1046/72, 6-11=0/668, 6-10=-2951/155, 7-10=-32/1769, 7-9=-4864/241, 4-14=-163/2654, 2-14=-67/1970, 2-15=-910/48

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 25-7-6 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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) All plates are MT20 plates unless otherwise indicated.
5) Plates checked for a plus or minus 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 9 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=186, 1=148.

March 31,2025

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400 Sunrise Ave., Suite 270
Roseville, CA 95661
916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424721
4202885	A5	Monopitch	1	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:21 2025 Page 1
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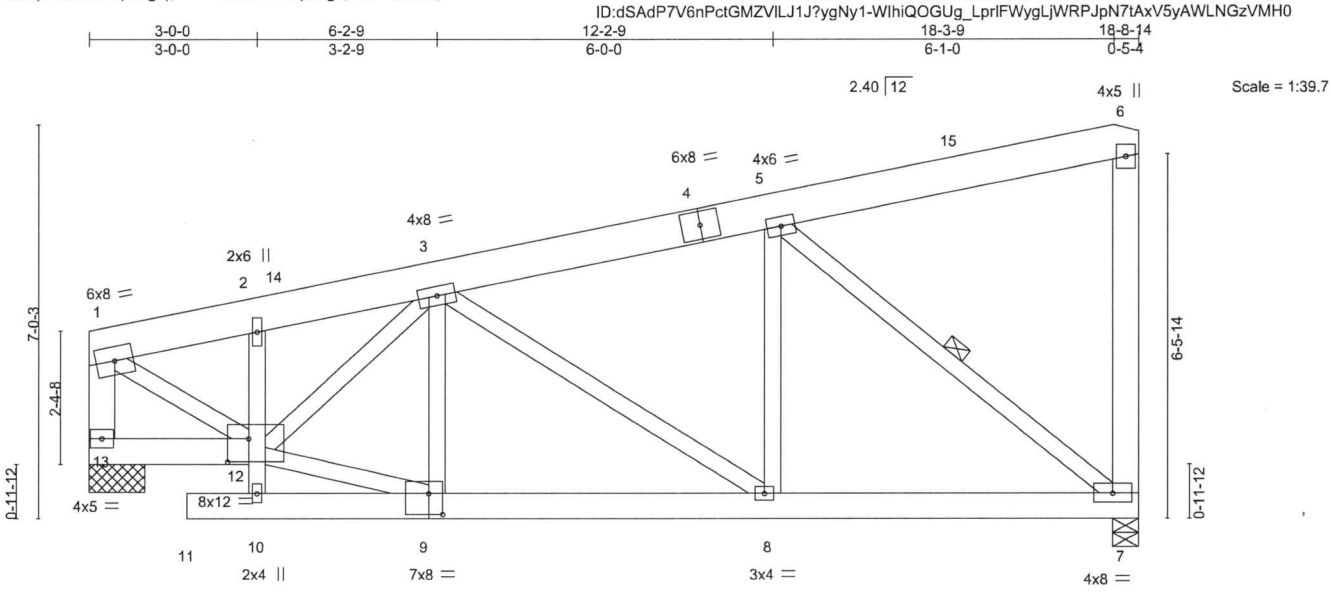

Scale = 1:39.7

1-9-0	3-0-0	6-2-9	12-2-9	18-3-9	18-8-14
1-9-0	1-3-0	3-2-9	6-0-0	6-1-0	0-5-4

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	101.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.09	8-9	>999	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.26	Vert(CT)	-0.11	8-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.03	7	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 155 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 1-13,6-7: 2x6 SPF 2100F 1.8E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-7

REACTIONS. (size) 7=0-5-8, 13=1-0-0
Max Horz 13=197(LC 13)
Max Uplift 7=-137(LC 10), 13=-110(LC 10)
Max Grav 7=2814(LC 18), 13=2651(LC 18)

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

TOP CHORD	1-2=-2612/114, 2-3=-2562/136, 3-5=-2602/175, 5-6=-251/99, 1-13=-2579/145, 6-7=-765/84
BOT CHORD	8-9=-259/2871, 7-8=-207/2403, 12-13=-287/257
WEBS	2-12=-442/64, 9-12=-260/2890, 3-9=-755/116, 3-8=-565/63, 5-8=0/428, 5-7=-3075/181, 1-12=-134/2848, 3-12=-497/52

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-2-12 to 3-0-0, Interior(1) 3-0-0 to 18-6-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 7=137, 13=110.

March 31,2025

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424722
4202885	A6	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:21 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-WlhiQOGUg_LprlFWygLjWRPlkN3jA3i5yAWLNGzVMH0

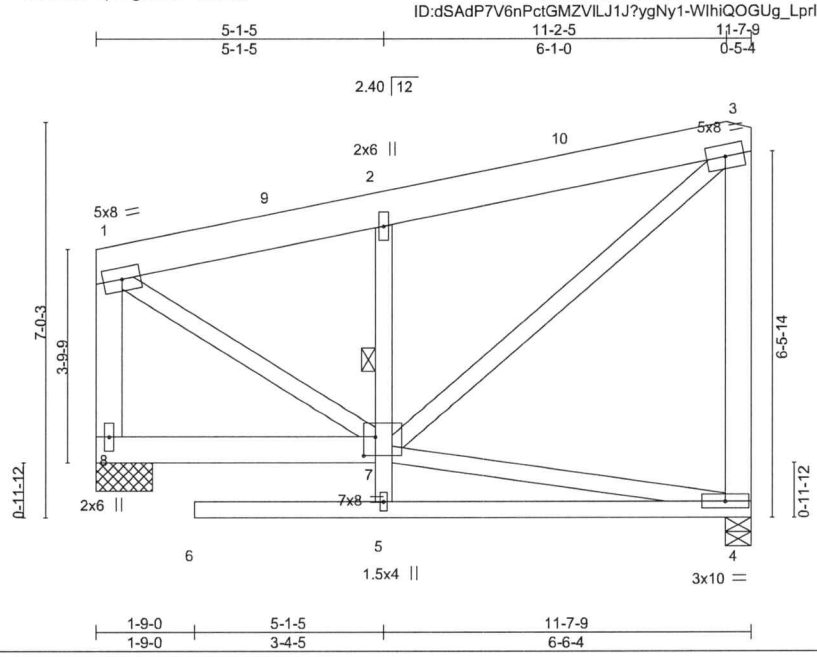

Plate Offsets (X,Y)-- [7:0-2-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.12	6	>999	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.24	6	>552	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0 *	Code IBC2021/TPI2014		Matrix-MS							Weight: 109 lb	FT = 12%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 DF 1950F 1.7E
BOT CHORD 2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 7-8: 2x6 SPF 2100F 1.8E
WEBS 2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 1-8,3-4: 2x6 SPF 2100F 1.8E

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

REACTIONS. (size) 4=0-5-8, 8=1-0-0
Max Horz 8=194(LC 13)
Max Uplift 4=-71(LC 10), 8=-57(LC 10)
Max Grav 4=1748(LC 18), 8=1777(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1471/82, 2-3=-1617/137, 1-8=-1715/149, 3-4=-1696/232
BOT CHORD 7-8=-282/258
WEBS 5-7=0/292, 2-7=-1873/214, 3-7=-251/1785, 1-7=-109/1541

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 11-4-13 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 4, 8.

March 31,2025

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424723
4202885	AA	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:22 2025 Page 1
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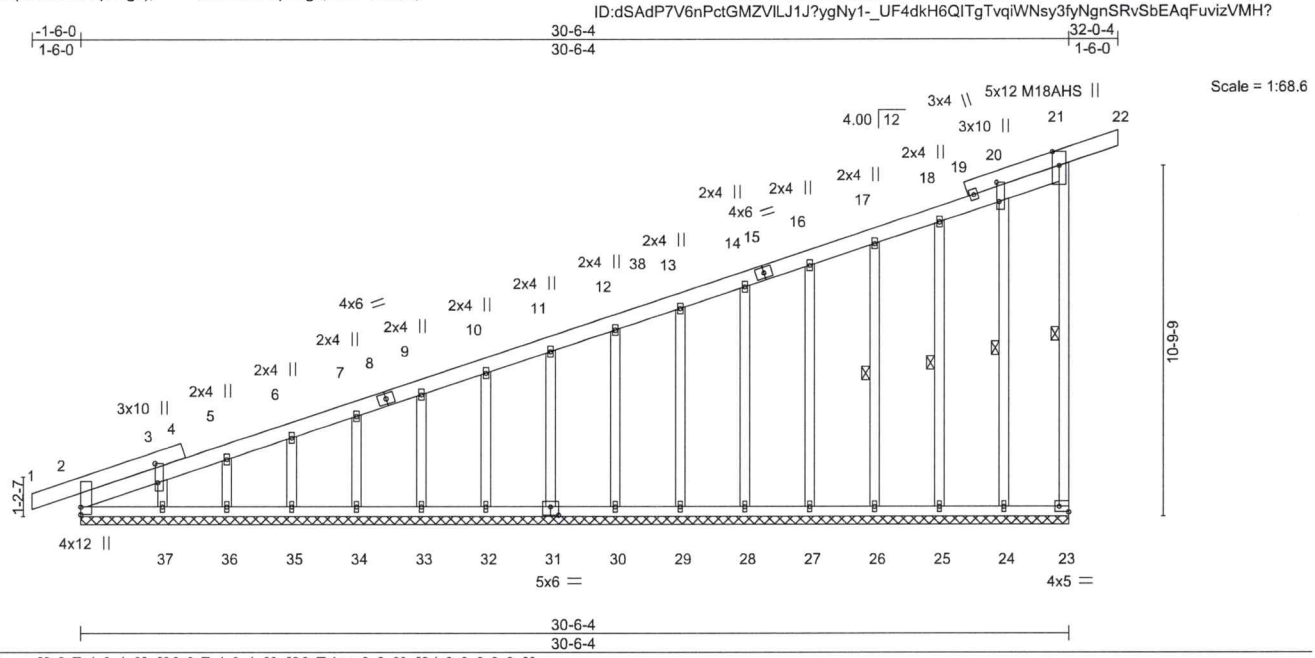

Plate Offsets (X,Y)-- [3:0-7-1,0-1-0], [20:0-7-1,0-1-0], [23:Edge,0-2-0], [31:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	0.00	22	n/r	120	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.00	21	n/r	120	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.01	23	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-S							Weight: 244 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
OTHERS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 21-23, 20-24, 18-25, 17-26

REACTIONS. All bearings 30-6-4.
(lb) - Max Horz 2=352(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 except 23=-105(LC 11)
Max Grav All reactions 250 lb or less at joint(s) except 23=985(LC 19), 2=705(LC 1), 24=659(LC 19), 25=632(LC 19), 26=711(LC 19), 27=715(LC 19), 28=716(LC 19), 29=707(LC 19), 30=568(LC 19), 31=484(LC 1), 32=484(LC 1), 33=485(LC 19), 34=484(LC 1), 35=484(LC 1), 36=484(LC 1), 37=481(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-493/317, 3-5=-426/277, 5-6=-416/275, 6-7=-393/265, 7-9=-371/256, 9-10=-350/248, 10-11=-328/239, 11-12=-306/230, 12-13=-284/221, 13-14=-262/212, 21-23=-971/143
WEBS 20-24=-615/87, 18-25=-593/48, 17-26=-671/54, 16-27=-675/52, 14-28=-675/51, 13-29=-667/51, 12-30=-528/51, 11-31=-444/51, 10-32=-444/51, 9-33=-444/51, 7-34=-444/51, 6-35=-444/53, 5-36=-446/43, 3-37=-433/157

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=31ft; eave=2ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-10, Exterior(2N) 1-6-10 to 32-0-4 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) 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.
3) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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NOTES-

13) Solid blocking is required on both sides of the truss at joint(s), 2.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 except (jt=lb) 23=105.

Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	AE	GABLE	2	1	R87424724
					Job Reference (optional)

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:23 2025 Page 1
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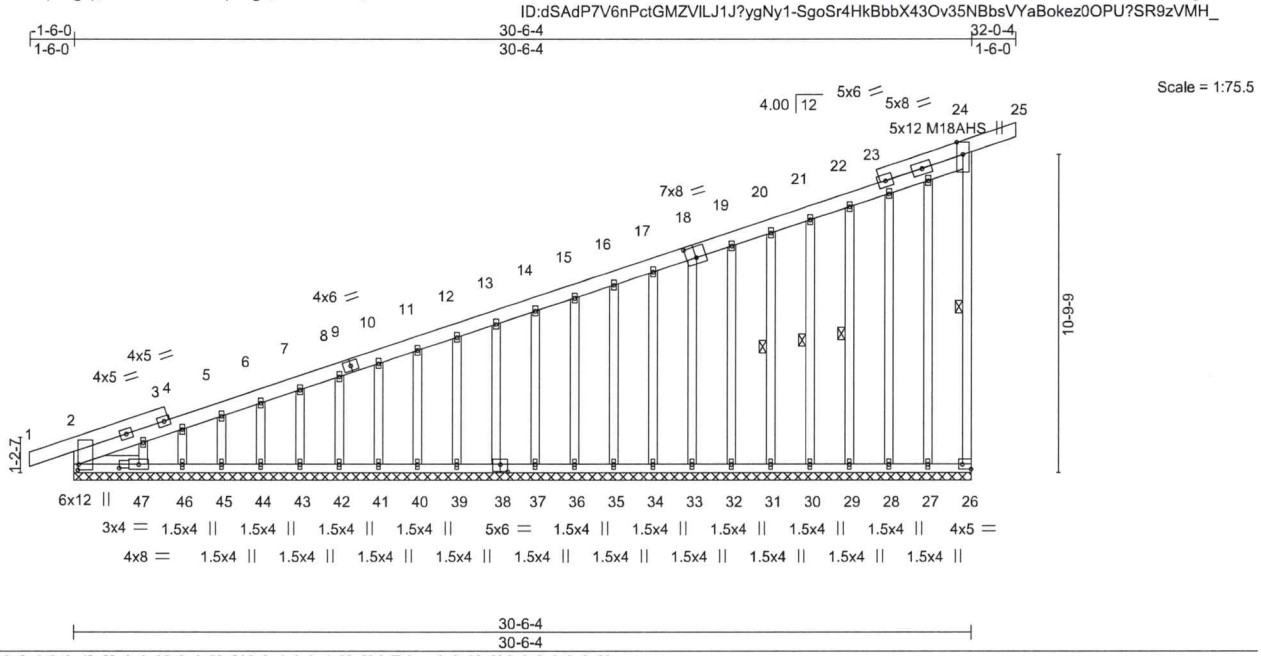

Plate Offsets (X,Y)-- [2:0-2-4,0-0-4], [2:1-4-12,0-1-8], [18:0-4-0,0-4-8], [26:Edge,0-2-0], [38:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	0.00	25	n/r	120	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.36	Vert(CT)	0.00	25	n/r	120	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.01	26	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-S							Weight: 303 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
OTHERS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
SLIDER	Left 2x4 DF or SP or SPF No.2 2-0-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 24-26, 22-29, 21-30, 20-31

REACTIONS. All bearings 30-6-4.
(lb) - Max Horz 2=352(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 38, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46 except 26=-156(LC 11), 27=-132(LC 15)
Max Grav All reactions 250 lb or less at joint(s) 27, 28 except 26=1302(LC 19), 2=918(LC 1), 38=322(LC 1), 29=906(LC 19), 30=472(LC 19), 31=429(LC 19), 32=456(LC 19), 33=477(LC 19), 34=490(LC 19), 35=470(LC 19), 36=400(LC 19), 37=324(LC 19), 39=324(LC 1), 40=322(LC 19), 41=323(LC 19), 42=323(LC 1), 43=322(LC 1), 44=322(LC 19), 45=305(LC 1), 46=487(LC 19)

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

TOP CHORD	2-4=-437/284, 4-5=-425/274, 5-6=-411/269, 6-7=-396/264, 7-8=-381/258, 8-10=-367/252, 10-11=-352/246, 11-12=-338/240, 12-13=-324/234, 13-14=-310/229, 14-15=-295/223, 15-16=-281/218, 16-17=-266/212, 17-18=-251/206, 22-24=-205/331, 24-26=-1291/131
WEBS	22-29=-879/93, 21-30=-446/35, 20-31=-402/37, 19-32=-429/35, 18-33=-451/34, 17-34=-464/36, 16-35=-444/34, 15-36=-372/34, 14-37=-300/33, 13-38=-295/41, 12-39=-295/33, 11-40=-296/34, 10-41=-296/34, 8-42=-296/34, 7-43=-296/34, 6-44=-293/34, 5-45=-288/33, 4-46=-437/85

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=2ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 32-0-4 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) 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.
3) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
6) All plates are MT20 plates unless otherwise indicated.

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	AE	GABLE	2	1	R87424724
					Job Reference (optional)

NOTES-

8) Plates checked for a plus or minus 5 degree rotation about its center.
9) Gable requires continuous bottom chord bearing.
10) Gable studs spaced at 1-4-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 38, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 46 except (jt=lb) 26=156, 27=132.

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424725
4202885	B1	Monopitch	20	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:24 2025 Page 1
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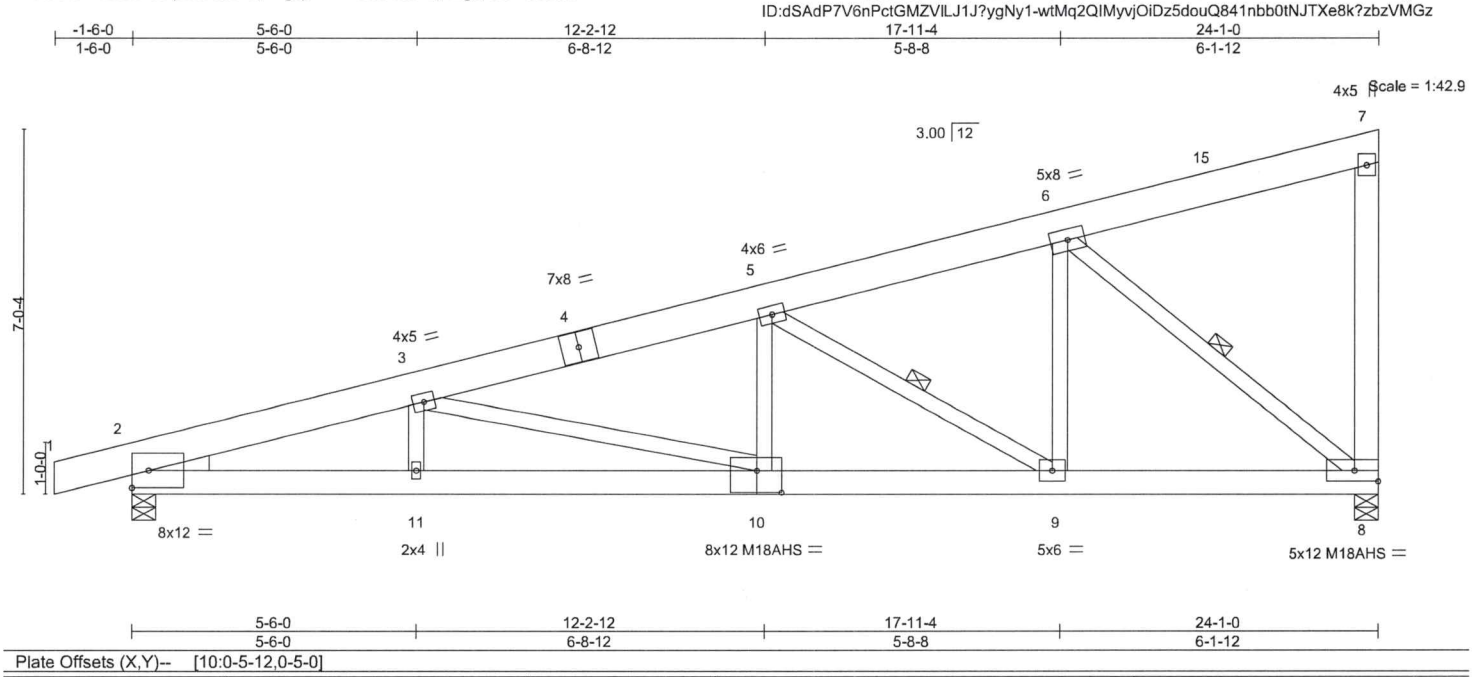

Plate Offsets (X,Y)-- [10:0-5-12,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.37	10-11	>766	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.44	10-11	>650	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.11	8	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 170 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 7-8: 2x6 SPF 2100F 1.8E, 6-8: 2x4 SPF 1650F 1.5E
WEDGE	
Left: 2x4 DF or SP or SPF No.2	

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-9, 6-8

REACTIONS. (size) 8=0-5-8 (req. 0-6-3), 2=0-5-8 (req. 0-6-0)
Max Horz 2=205(LC 13)
Max Uplift 8=-133(LC 10), 2=-163(LC 10)
Max Grav 8=3763(LC 19), 2=3646(LC 19)

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

TOP CHORD	2-3=-7799/359, 3-5=-6783/321, 5-6=-3843/219, 6-7=-300/141, 7-8=-780/79
BOT CHORD	2-11=-511/7380, 10-11=-511/7380, 9-10=-402/6444, 8-9=-245/3519
WEBS	3-11=-258/162, 3-10=-1143/114, 5-10=0/529, 5-9=-3436/184, 6-9=-45/1871, 6-8=-4521/231

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 1-5-14, Interior(1) 1-5-14 to 23-10-4 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) Plates checked for a plus or minus 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) WARNING: Required bearing size at joint(s) 8, 2 greater than input bearing size.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=133, 2=163.

March 31,2025

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Roseville, CA 95661
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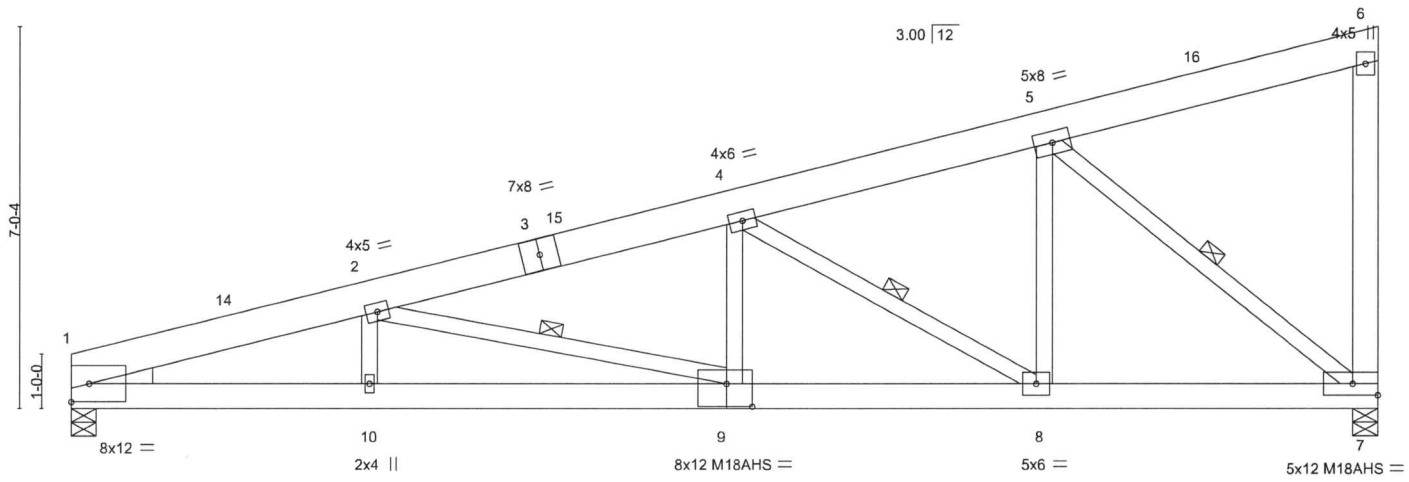
Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	B2	MONOPITCH	1	1	R87424726
					Job Reference (optional)

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:24 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-wtMq2QIMyvjOiDz5douQ841nyb0ZNKPXe8k?zbzVMGz

5-6-0	12-2-12	17-11-4	24-1-0
5-6-0	6-8-12	5-8-8	6-1-12

Scale = 1:41.0



5-6-0	12-2-12	17-11-4	24-1-0
5-6-0	6-8-12	5-8-8	6-1-12

Plate Offsets (X,Y)-- [9:0-5-12,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.55	Vert(LL)	-0.37	9-10	>778	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.84	Vert(CT)	-0.43	9-10	>658	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.11	7	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 166 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 6-7: 2x6 SPF 2100F 1.8E, 5-7: 2x4 SPF 1650F 1.5E
WEDGE	
Left: 2x4 DF or SP or SPF No.2	

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-9, 4-8, 5-7

REACTIONS. (size) 7=0-5-8 (req. 0-6-2), 1=0-5-8
Max Horz 1=199(LC 13)
Max Uplift 7=-134(LC 10), 1=-113(LC 10)
Max Grav 7=3732(LC 18), 1=3265(LC 18)

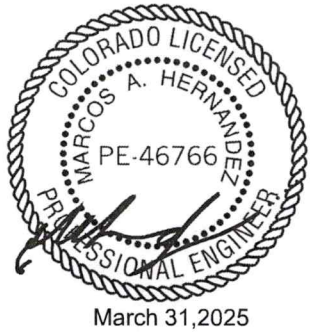
SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING ENHANCER, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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

TOP CHORD	1-2=-7805/389, 2-4=-6716/330, 4-5=-3811/222, 5-6=-298/140, 6-7=-773/79
BOT CHORD	1-10=-519/7392, 9-10=-519/7392, 8-9=-404/6382, 7-8=-246/3491
WEBS	2-9=-1235/120, 4-9=0/550, 4-8=-3395/186, 5-8=-48/1852, 5-7=-4486/232

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 23-10-4 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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) All plates are MT20 plates unless otherwise indicated.
5) Plates checked for a plus or minus 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) WARNING: Required bearing size at joint(s) 7 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=134, 1=113.



March 31,2025

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	B3	Monopitch	1	1	R87424727
					Job Reference (optional)

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:25 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-O3wCFmJ?jDsFKMYHBWPfgHa_g?PI6ohgtoUYV1zVMGy

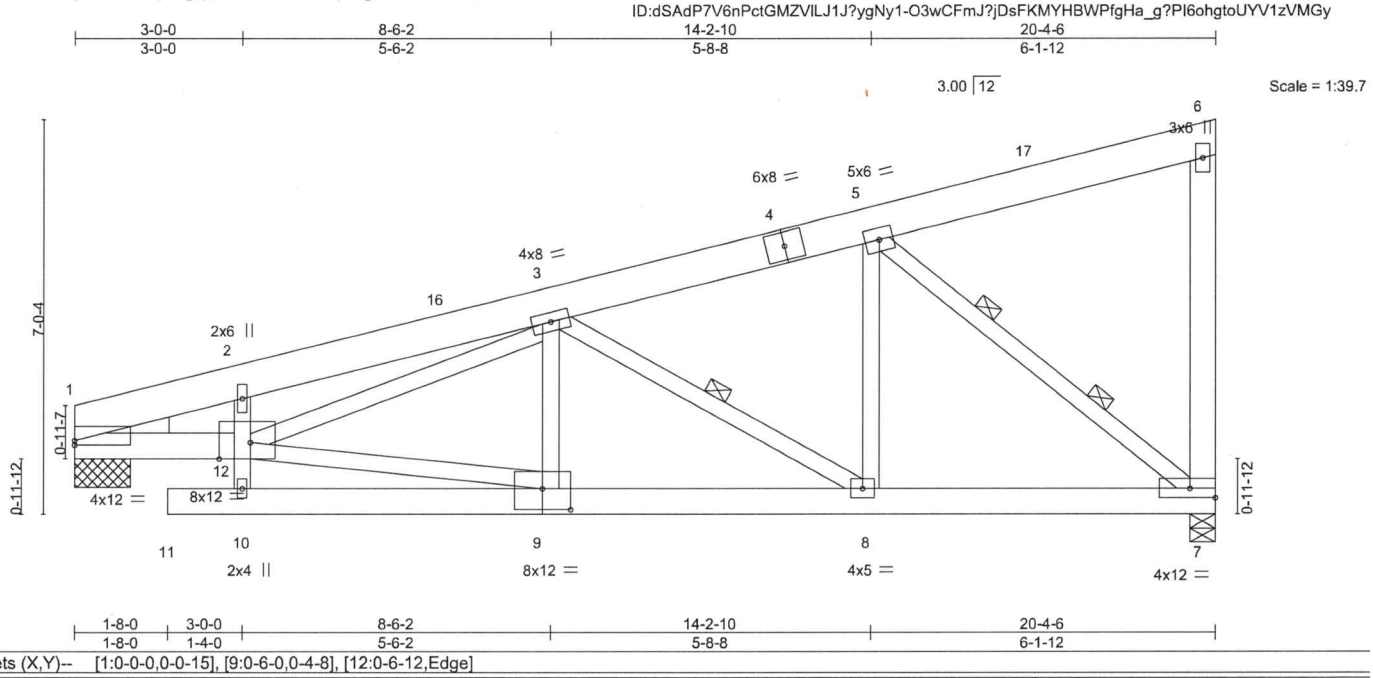

Plate Offsets (X,Y)-- [1:0-0-0,0-0-15], [9:0-6-0,0-4-8], [12:0-6-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.42	Vert(LL)	-0.18	9	>999	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.21	9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.07	7	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS							Weight: 157 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 6-7: 2x6 SPF 2100F 1.8E, 2-10,9-12: 2x4 SPF 1650F 1.5E
WEDGE	
Left: 2x4 SP No.3	

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.	
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.	
WEBS	1 Row at midpt	3-8
	2 Rows at 1/3 pts	5-7

REACTIONS. (size) 7=0-5-8, 1=1-0-0
Max Horz 1=191(LC 13)
Max Uplift 7=-112(LC 10), 1=-84(LC 10)
Max Grav 7=3121(LC 18), 1=2804(LC 18)

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

TOP CHORD	1-2=-5871/289, 2-3=-5379/303, 3-5=-3075/193, 5-6=-289/139, 6-7=-751/84
BOT CHORD	9-10=-29/425, 8-9=-291/4404, 7-8=-209/2791, 1-12=-424/5477
WEBS	3-9=-571/95, 3-8=-1898/120, 5-8=-16/1105, 5-7=-3579/184, 9-12=-261/4006, 3-12=-128/972

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 20-1-10 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 1 except (jt=lb) 7=112.

March 31,2025

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	B4	Monopitch	1	1	R87424728
					Job Reference (optional)

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:25 2025 Page 1
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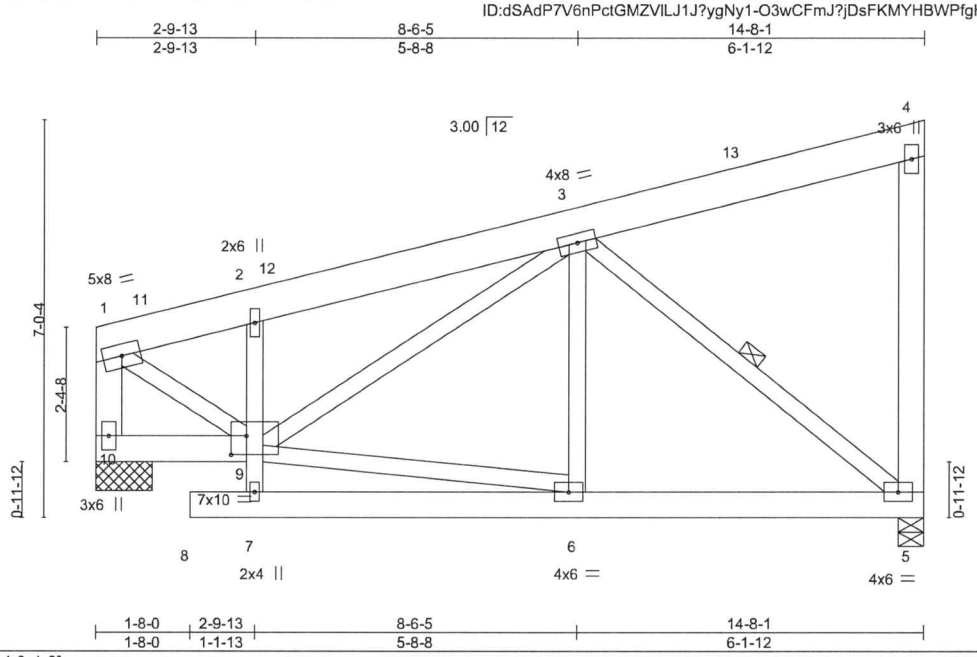

Plate Offsets (X,Y)-- [9:0-3-4,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.33	Vert(LL)	-0.05	6-7	>999	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.16	Vert(CT)	-0.06	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.02	5	n/a	n/a		
BCLL	0.0 *	Code IBC2021/TPI2014		Matrix-MS							Weight: 127 lb	FT = 12%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 DF 1950F 1.7E
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except*
4-5,1-10: 2x6 SPF 2100F 1.8E

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

REACTIONS. (size) 5=0-5-8, 10=1-0-0
Max Horz 10=190(LC 13)
Max Uplift 5=-81(LC 10), 10=-57(LC 10)
Max Grav 5=2259(LC 18), 10=2219(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2057/107, 2-3=-2203/158, 3-4=-287/98, 4-5=-728/93, 1-10=-2154/137
BOT CHORD 5-6=-200/1784, 9-10=-290/250
WEBS 3-5=-2276/172, 2-9=-1174/131, 6-9=-196/1713, 1-9=-129/2284

NOTES-
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 14-5-5 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 5, 10.

March 31,2025

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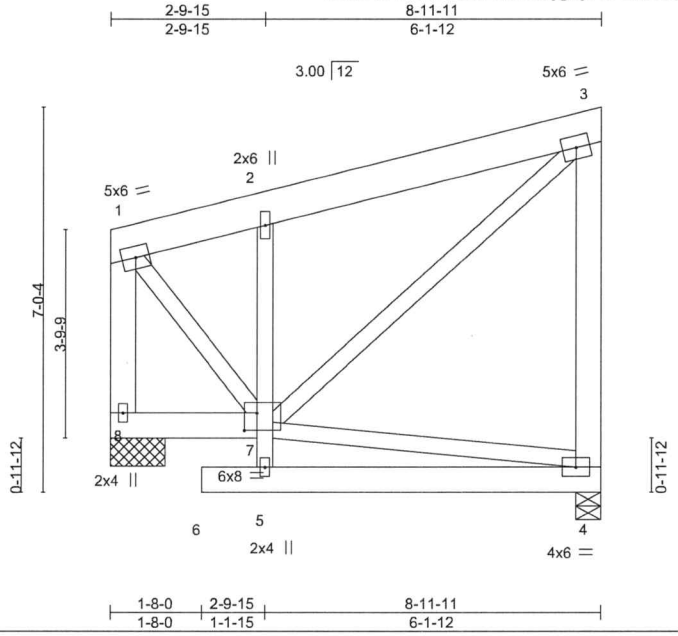
Job	Truss	Truss Type	Qty	Ply	200 Sundance Court	R87424729
4202885	B5	Monopitch	1	1	Job Reference (optional)	

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:26 2025 Page 1
ID:dSAdP7V6nPctGMZVILJ1J?ygNy1-sFUaT6KdUW_6xW7UlDwuDV7AUOuprG5q5SD61TzVMGx



Scale = 1:40.6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.35	Vert(LL)	-0.02	6	>999	240	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.03	4-5	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0 *	Code IBC2021/TPI2014		Matrix-MP							Weight: 91 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x8 DF 1950F 1.7E
BOT CHORD	2x6 SPF 2100F 1.8E
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 3-4,1-8: 2x6 SPF 2100F 1.8E

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-5-8, 8=1-0-0
Max Horz 8=186(LC 13)
Max Uplift 4=-53(LC 11), 8=-41(LC 10)
Max Grav 4=1358(LC 18), 8=1369(LC 18)

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

TOP CHORD	1-2=-803/69, 2-3=-1098/151, 3-4=-1295/282, 1-8=-1344/155
BOT CHORD	7-8=-297/242
WEBS	2-7=-1684/254, 1-7=-158/1297, 3-7=-316/1114

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=4ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 8-8-15 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) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); 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 5 degree rotation about its center.
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 3-6-0 tall by 2-0-0 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 100 lb uplift at joint(s) 4, 8.

March 31,2025

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Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	BA	GABLE	2	1	R87424730
					Job Reference (optional)

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:26 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-sFUaT6KdUW_6xW7UlDwuDV73wOtkrL7q5SD61TzVMGx

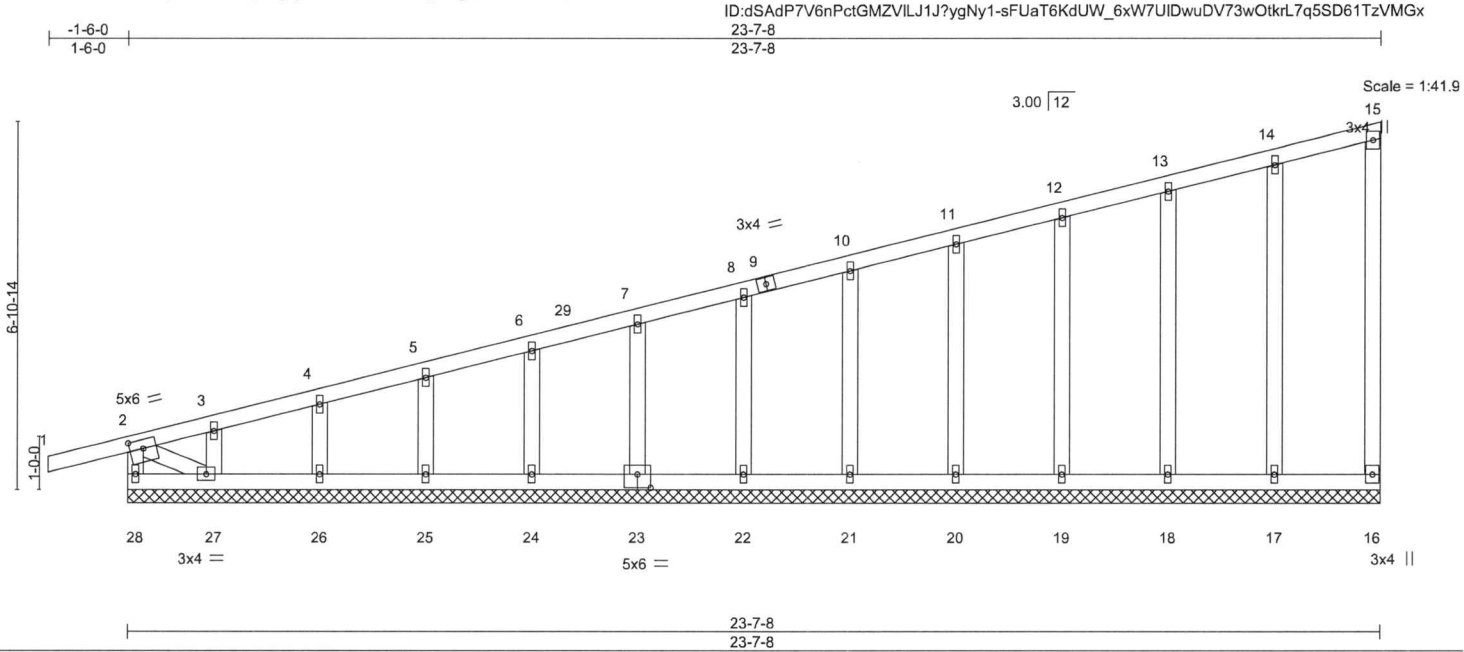

Plate Offsets (X,Y)-- [2:0-3-0,0-2-0], [23:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.01	1	n/r	120	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.02	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.00	16	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-S							Weight: 141 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
OTHERS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 27-28.

REACTIONS. All bearings 23-7-8.
(lb) - Max Horz 28=212(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 28, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 except 27=-166(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 27 except 28=723(LC 19), 16=251(LC 19), 17=684(LC 19), 18=652(LC 19), 19=654(LC 19), 20=654(LC 19), 21=654(LC 19), 22=655(LC 19), 23=650(LC 19), 24=515(LC 19), 25=476(LC 1), 26=518(LC 19)

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

TOP CHORD	2-28=-717/115, 2-3=-280/181, 3-4=-265/176
BOT CHORD	27-28=-324/257
WEBS	14-17=-643/92, 13-18=-612/70, 12-19=-614/59, 11-20=-614/59, 10-21=-614/58, 8-22=-615/58, 7-23=-610/58, 6-24=-475/58, 5-25=-436/58, 4-26=-478/63, 3-27=-266/107, 2-27=-174/285

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=2ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-7-8, Exterior(2N) 1-7-8 to 23-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Plates checked for a plus or minus 5 degree rotation about its center.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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MiTek®
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Roseville, CA 95661
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NOTES-

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 except (jt=lb) 27=166.

Job	Truss	Truss Type	Qty	Ply	200 Sundance Court
4202885	BE	GABLE	1	1	R87424731
					Job Reference (optional)

Builders FirstSource (Colorado Springs), Colorado Springs, CO - 80939, 8.830 s Mar 20 2025 MiTek Industries, Inc. Mon Mar 31 16:42:27 2025 Page 1
ID:dSAdP7V6nPctGMZVlLJ1J?ygNy1-LS2zgRLFFq6zZgiglxS7mifMZoCFarEzK6zfawzVMGw

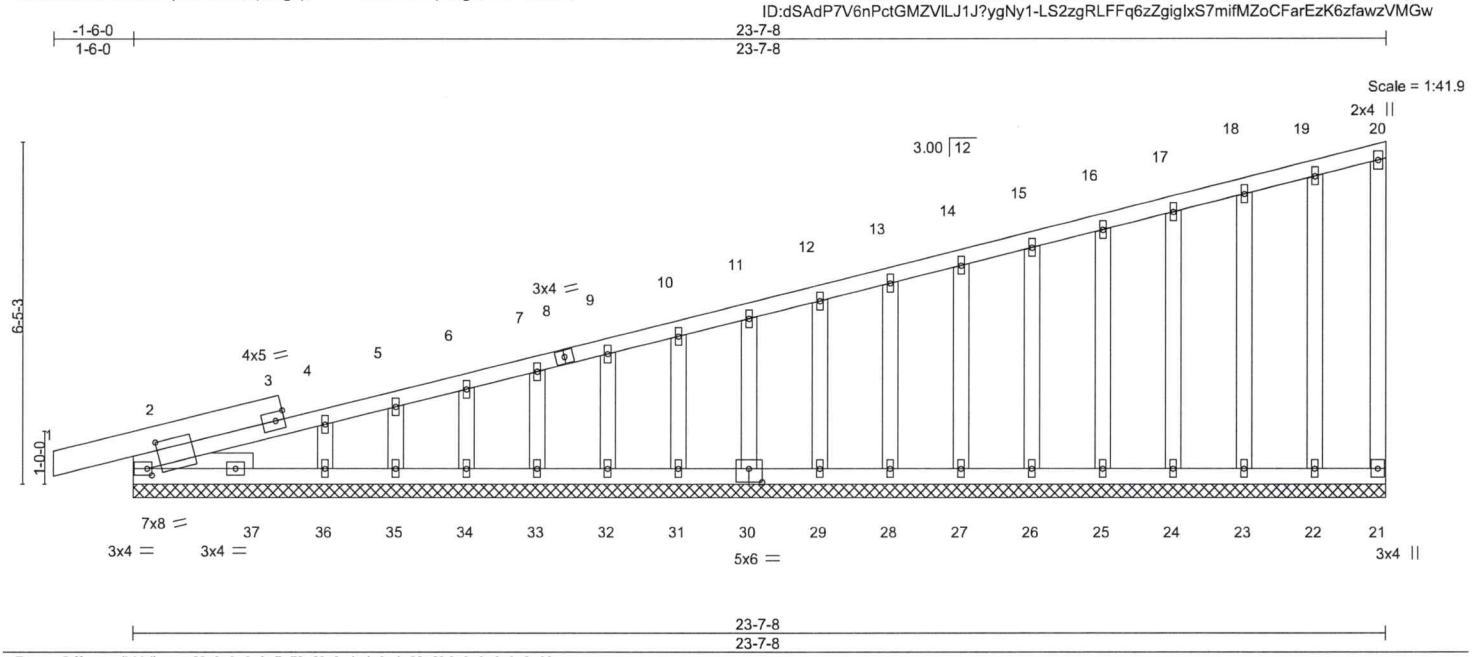

Plate Offsets (X,Y)-- [2:0-3-3,0-5-5], [2:0-1-1,0-1-8], [30:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	101.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.01	1	n/r	120	MT20	197/144
(Roof Snow=101.0)		Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	21	n/a	n/a		
BCLL	0.0 *	Code IBC2021/TPI2014		Matrix-S							Weight: 163 lb	FT = 12%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2 *Except* 1-3: 2x6 SPF 2100F 1.8E
BOT CHORD	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
WEBS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
OTHERS	2x4 DF No.2 or 2x4 SP No.2 or 2x4 SPF No.2
SLIDER	Left 2x4 DF or SP or SPF No.2 2-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 23-7-8.
(lb) - Max Horz 2=193(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 21, 2, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 except 36=-131(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 21 except 2=979(LC 19), 22=433(LC 19), 23=444(LC 19), 24=435(LC 19), 25=436(LC 19), 26=436(LC 19), 27=436(LC 19), 28=436(LC 19), 29=436(LC 19), 30=436(LC 19), 31=438(LC 19), 32=431(LC 19), 33=342(LC 19), 34=325(LC 1), 35=313(LC 19), 36=390(LC 1)

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

TOP CHORD	2-4=-255/169
WEBS	19-22=-407/77, 18-23=-417/45, 17-24=-408/40, 16-25=-409/39, 15-26=-409/39, 14-27=-409/39, 13-28=-409/39, 12-29=-409/39, 11-30=-409/39, 10-31=-411/39, 9-32=-405/39, 7-33=-316/39, 6-34=-298/39, 5-35=-285/43, 4-36=-364/129

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.5psf; BCDL=4.5psf; h=25ft; B=45ft; L=24ft; eave=2ft; Ke=0.80; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 23-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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.
3) TCLL: ASCE 7-16; Pf=101.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 1.00 times flat roof load of 101.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 MT20 unless otherwise indicated.
7) Plates checked for a plus or minus 5 degree rotation about its center.
8) Gable requires continuous bottom chord bearing.
9) Gable studs spaced at 1-4-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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NOTES-

12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 2, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 except (jt=lb) 36=131.