Terrain at Walton Creek
Submittal #6500-2-0 - Bldg #1 Truss Shops

Project Name
Terrain

KOCON

☐ SUBMITTED FOR RECORDS ONLY ☐ REJECTED

☑ SUBMITTED FOR APPROVAL ☐ NOT REVIEWED

BY Kevin Kopasz **DATE** 1/8/2026

SUBMITTAL# 6500-2-0 **SPEC** 6500

This submittal has been reviewed for general compliance with the contract documents and is pending review and approval of architect and engineer of record. Approval does not relieve the subcontractor/supplier of the responsibility nor conformance to the quality standards set forth in the contract documents nor does it relieve their responsibility for field verification of all conditions relating to the contract.

K A S A

KEVIN & ASAKO SPERRY ARCHITECTURE, PLLC
WWW.KASA-ARCH.COM

SHOP DRAWING / SUBMITTAL REVIEW

☐ REVIEWED ☐ REVISE & RESUBMIT

☑ REVIEWED AS NOTED ☐ REJECTED

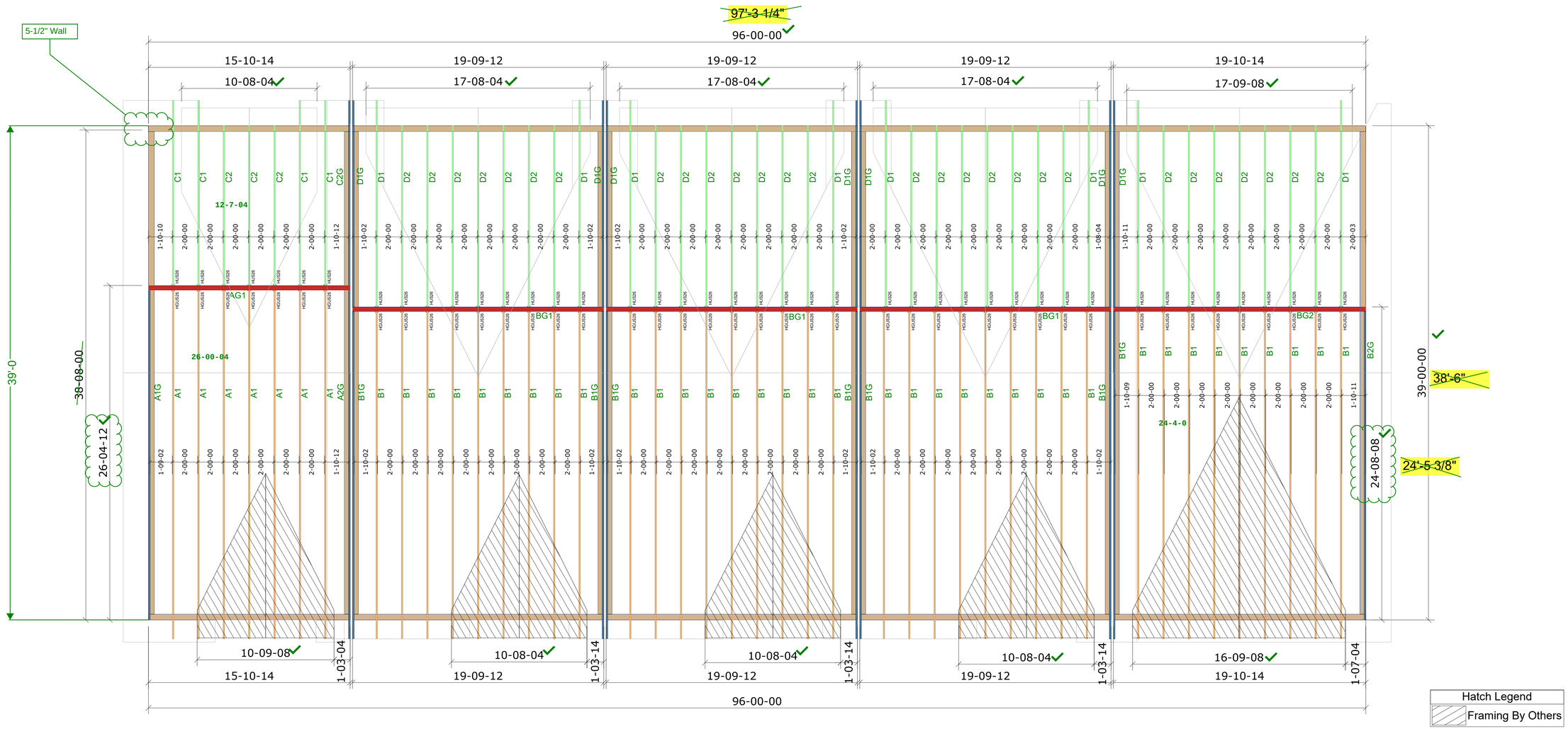
SUBMITTAL WAS REVIEWED FOR DESIGN COMFORMITY AND GENERAL CONFORMANCE TO CONTRACT DOCUMENTS ONLY. THE SUBCONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING DIMENSIONS AT JOBSITE FOR TOLERANCE, CLEARANCE, QUANTITIES, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF HIS WORK WITH OTHER TRADES AND FULL COMPLIANCE WITH CONTRACT DOCUMENTS.

BY: _____ DATE: 1/19/2026

SEE DIMENSION CORRECTIONS IN YELLOW HIGHLIGHT. COORDINATE AS REQ'D.

DIMESIONS ON THE SHOP DRAWINGS ARE PER FIELD VERFIED MEASUREMENTS, BASED ON STRUCTURAL DRAWINGS AND THE FOUNDATION INSTALLED. TRUSS TAILS TO BE CHANGED AS NOTED BY ARCH (1/22/26).

STRUCTURAL ENGINEER APPROVED ALL LOADING, REACTIONS, DEFLECTIONS, LAYOUT, SHAPES VIA EMAIL.



Hatch Legend

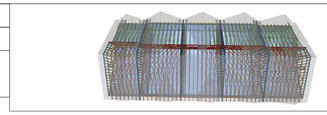
Framing By Others

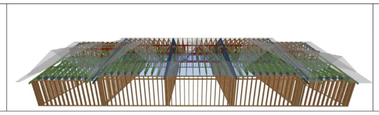
Notes:

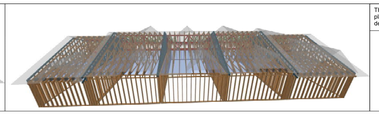
1) All Walls Shown Are Load Bearing.
2) All Beams And Headers Are By Others.
3) Truss Connections Are Toe-Nailed U.N.O.
4) Verify ALL Truss Profiles
5) Verify ALL Dimensions

Roof Area : 5505.82	16-01-08 Feet-Inches-16th
Raked Overhang : 403.81	
Horizontal Overhang : 176.66	
Ridge : 276.53	
Valley : 336.92	
Hip : 0	Ceiling Area : 4245.53

Truss Connector Total List		
Manuf	Product	Qty
Simpson	HGUS26	43
Simpson	HUS26	43







THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult "Bracing of wood trusses" available from the Truss Plate Institute, 583 D'Onofrio Drive; Madison, WI 53179.

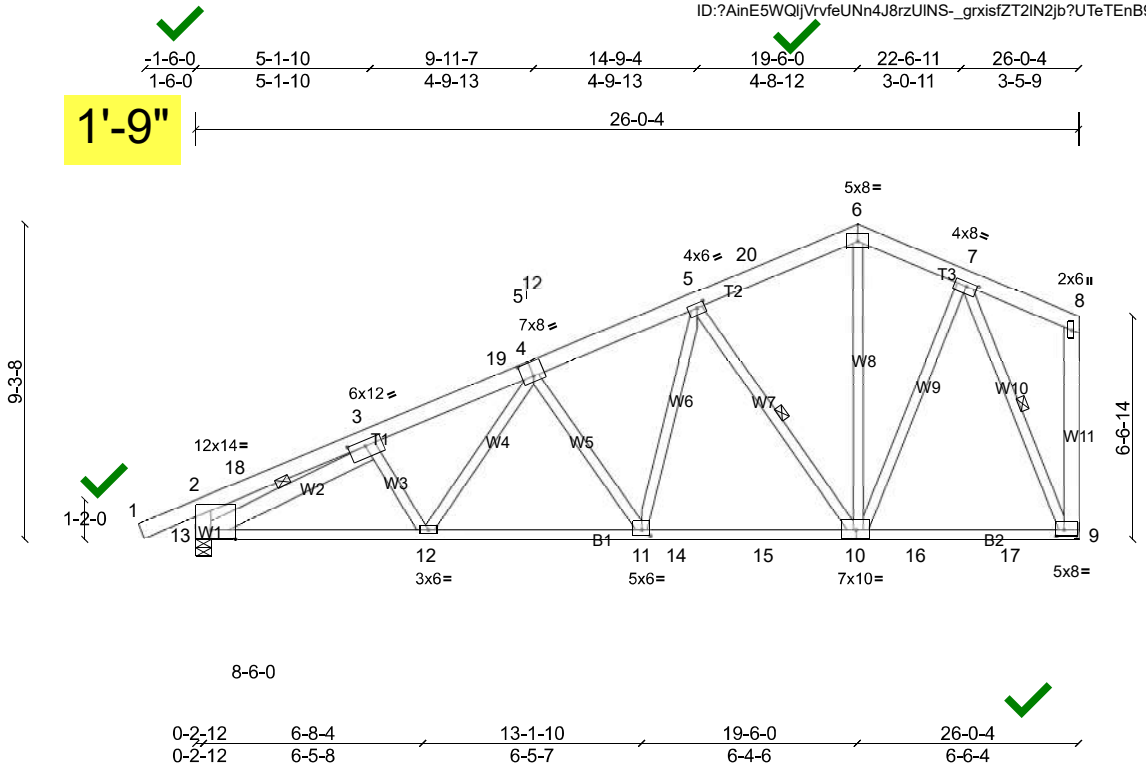
Builders FirstSource
61408 Jay Jay Road
Montrose, CO 81403
Phone: 970-249-0801 Fax: 970-249-1296

Customer: KOCON LLC	Scale : 1/4" = 1'
	Date: 10/23/2025
2075 WALTON CREEK RD	Building Code: IBC 2021
STEAMBOAT SPRINGS, CO	Drawn By: Henry Wolfe
BUILDING 1	Job Number: Q250433 AKA 4819602

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	A1	Common	7	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403, user — Run: 8.82 S Jan 17 2025 Print: 8.820 S Jan 17 2025 MiTek Industries, Inc. Thu Oct 23 15:16:28 — Page: 1

ID:?AinE5WQljVrvfeUNn4J8rzUlNS-_grxisfZT2lN2jb?UTeTEnB9rDZPCRM4LcNybRyQU3I



Scale = 1:59.9

Plate Offsets (X, Y): [2:0-8-8,0-3-4], [3:0-6-0,0-2-0], [4:0-4-0,0-5-0], [5:0-2-12,0-1-8], [7:0-4-0,0-1-8], [9:0-2-12,0-2-4], [11:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	-0.21	11-12	>999	360	MT20	197/144
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.90	Vert(CT)	-0.28	11-12	>999	240		
TCDL	15.0	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.13	9	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.02	11-12	>999	240		
BCDL	10.0										Weight: 164 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E *Except* T2:2x6 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF 1650F 1.5E *Except* W1,W2,W11:2x6 SPF 1650F 1.5E, W10,W7:2x4 SPF 2100F 1.8E, W3,W4:2x4 WW Stud

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-7-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-13, 7-9, 5-10

REACTIONS (lb/size) 9=2926/ Mechanical, (min. 0-1-8), 13=3335/0-5-8, (min. 0-1-8)
Max Horiz 13=162 (LC 11)
Max Grav 9=2926 (LC 1), 13=3692 (LC 21)

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.

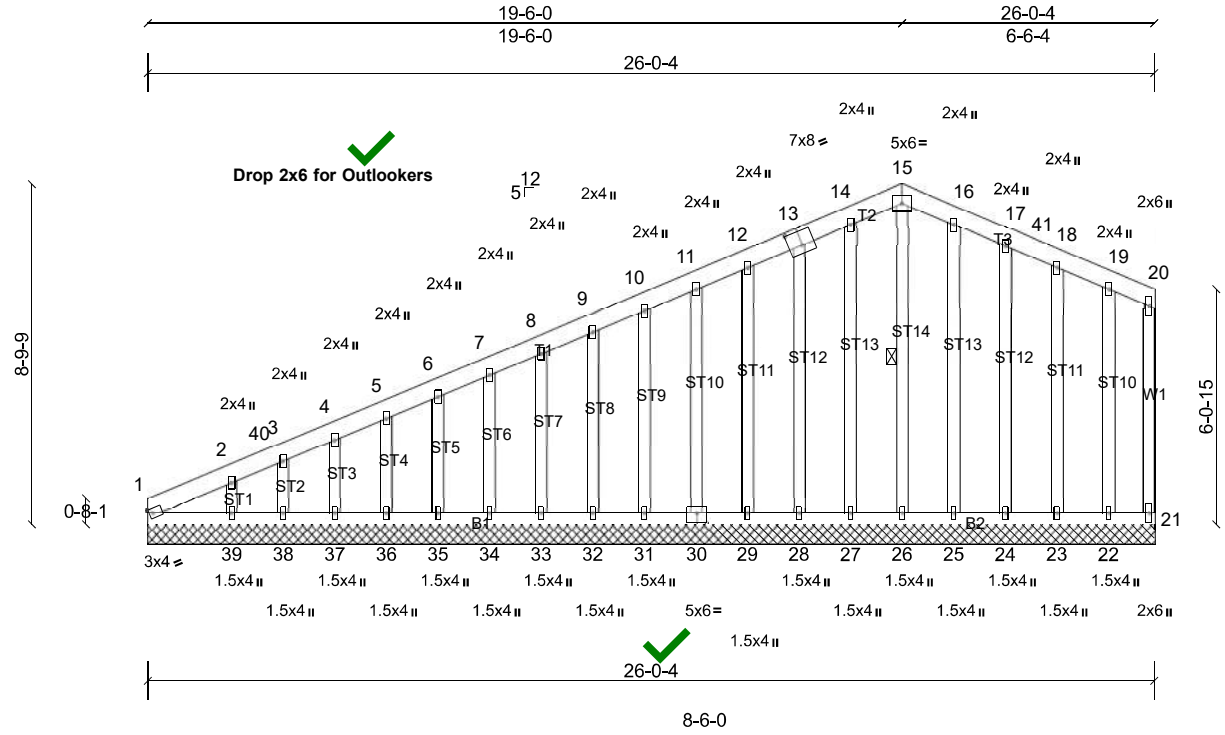
TOP CHORD	6-7=-1943/71, 2-13=-1229/63, 8-9=-437/60, 1-2=0/273, 2-18=-816/305, 3-18=-576/355, 3-19=-5024/0, 4-19=-4662/0, 4-5=-4138/24, 5-20=-2251/54, 6-20=-1935/74
BOT CHORD	12-13=-101/4528, 11-12=-77/4356, 11-14=-68/3255, 14-15=-68/3255, 10-15=-68/3255, 10-16=-60/1080, 16-17=-60/1080, 9-17=-60/1080
WEBS	3-13=-4657/0, 7-9=-2773/47, 6-10=-8/651, 4-12=0/375, 4-11=-1422/61, 5-11=0/1346, 5-10=-2629/59, 7-10=0/1803

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-7-1 to 1-4-15, Interior (1) 1-4-15 to 19-6-0, Exterior(2R) 19-6-0 to 22-7-12, Interior (1) 22-7-12 to 25-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	A1G	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:51.9

Plate Offsets (X, Y): [13:0-4-0,0-4-8], [30:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.07	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.66	Horiz(TL)	0.00	21	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 173 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud
OTHERS	2x4 WW Stud

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 15-26

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

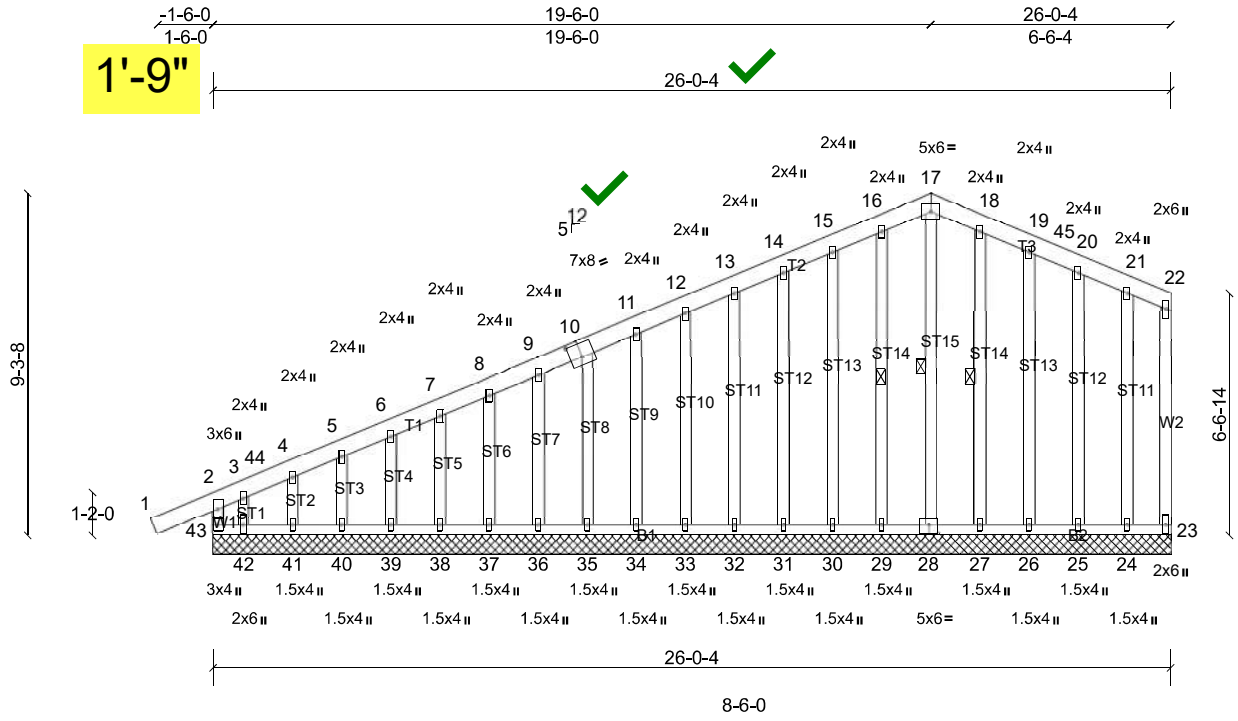
REACTIONS All bearings 26-0-4.
(lb) - Max Horiz 1=142 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 21, 22, 23, 24, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
Max Grav All reactions 250 (lb) or less at joint(s) 1, 21 except 22=373 (LC 21), 23=456 (LC 21), 24=458 (LC 21), 25=420 (LC 21), 26=292 (LC 1), 27=422 (LC 20), 28=450 (LC 20), 29=439 (LC 20), 30=436 (LC 20), 31=437 (LC 20), 32=440 (LC 20), 33=433 (LC 20), 34=374 (LC 20), 35=310 (LC 20), 36=307 (LC 1), 37=309 (LC 1), 38=272 (LC 20), 39=458 (LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 15-26=-265/3, 14-27=-395/18, 13-28=-423/26, 12-29=-412/28, 11-30=-409/26, 10-31=-410/25, 9-32=-413/25, 8-33=-406/25, 7-34=-347/25, 6-35=-283/25, 5-36=-281/25, 4-37=-278/24, 3-38=-257/27, 2-39=-399/70, 16-25=-393/17, 17-24=-431/31, 18-23=-428/48, 19-22=-349/47

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 19-6-0, Corner(3R) 19-6-0 to 22-6-0, Exterior(2N) 22-6-0 to 25-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 24, 23, 22.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	A2G	Common	1	1	Job Reference (optional)



Scale = 1:55

Plate Offsets (X, Y): [10:0-4-0,0-4-8], [28:0-3-0,0-3-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.47	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.09	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.00	23	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-R								
BCDL	10.0										Weight: 186 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud
OTHERS	2x4 WW Stud

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 17-28, 16-29, 18-27

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

REACTIONS All bearings 26-0-4.
(lb) - Max Horiz 43=161 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 23, 24, 25, 26, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41 except 42=-570 (LC 20)
Max Grav All reactions 250 (lb) or less at joint(s) 23, 42 except 24=375 (LC 22), 25=460 (LC 22), 26=462 (LC 22), 27=424 (LC 22), 28=294 (LC 1), 29=418 (LC 21), 30=450 (LC 21), 31=442 (LC 21), 32=435 (LC 21), 33=441 (LC 21), 34=472 (LC 21), 35=423 (LC 21), 36=347 (LC 21), 37=305 (LC 21), 38=308 (LC 1), 39=309 (LC 1), 40=317 (LC 21), 41=258 (LC 1), 43=1405 (LC 20)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/260, 2-3=-260/181, 2-43=-1352/142
WEBS 17-28=-266/3, 16-29=-391/19, 15-30=-423/26, 14-31=-415/28, 13-32=-408/26, 12-33=-414/26, 11-34=-445/23, 10-35=-396/42, 9-36=-320/18, 8-37=-277/25, 7-38=-281/26, 6-39=-282/25, 5-40=-291/25, 3-42=-107/539, 18-27=-396/18, 19-26=-435/31, 20-25=-432/48, 21-24=-350/47

NOTES

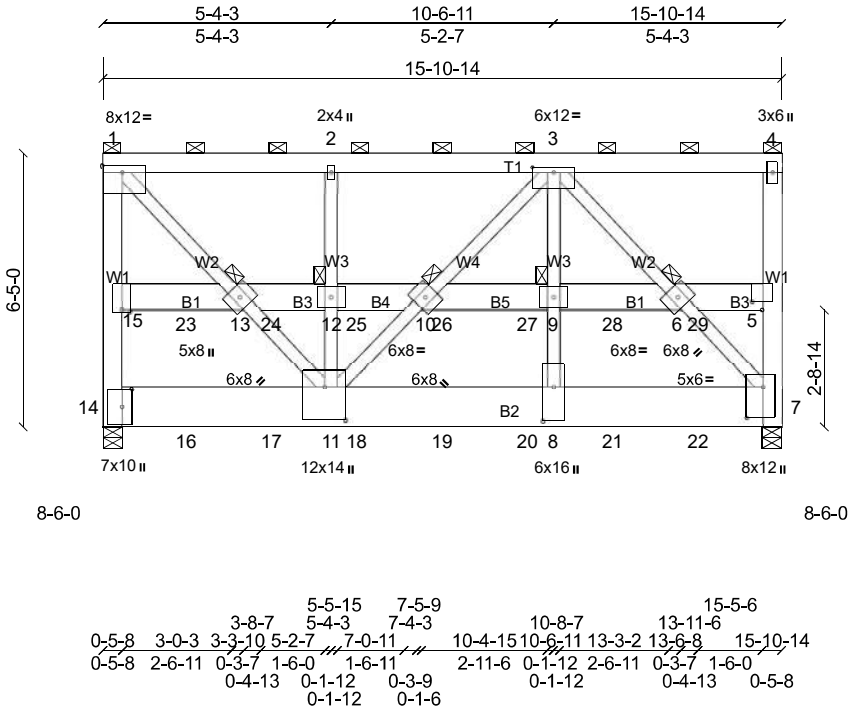
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -1-7-1 to 1-4-15, Exterior(2N) 1-4-15 to 19-6-0, Corner(3R) 19-6-0 to 22-6-0, Exterior(2N) 22-6-0 to 25-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Continued on page 2

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 41, 26, 25, 24 except (jt=lb) 42=570.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	AG1	Flat Girder	1	3	Job Reference (optional)



Scale = 1:43.9

Plate Offsets (X, Y): [1:Edge,0-2-0], [3:0-6-0,0-1-8], [5:0-3-0,0-2-6], [7:0-8-8,0-4-8], [8:0-9-8,0-3-0], [11:0-9-4,0-5-12], [14:0-5-0,0-2-12], [15:0-0-10,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.61	Vert(LL)	-0.12	8-11	>999	360	MT20	197/144
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.62	Vert(CT)	-0.15	8-11	>999	240		
TCDL	15.0	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.02	7	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.00	8-11	>999	240		
BCDL	10.0										Weight: 549 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x8 DF 1950F 1.7E *Except* B2:2x12 HF SS
WEBS	2x6 SPF 1650F 1.5E *Except* W2:2x4 SPF 2400F 2.0E, W3:2x4 SPF 2100F 1.8E, W4:2x4 SPF 1650F 1.5E

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 1, 4, 13, 12, 10, 9, 6

REACTIONS (lb/size) 7=18964/0-5-8, (min. 0-2-8), 14=18987/0-5-8, (min. 0-2-8)
Max Horiz 14=127 (LC 7)

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

TOP CHORD	14-15=-16105/0, 1-15=-14292/0, 1-2=-13251/0, 2-3=-13255/0, 3-4=-379/0, 5-7=-1660/0, 4-5=-568/18
BOT CHORD	14-16=0/1315, 16-17=0/1315, 11-17=0/1315, 11-18=0/13263, 18-19=0/13263, 19-20=0/13263, 8-20=0/13263, 8-21=0/13230, 21-22=0/13230, 7-22=0/13230, 15-23=-1113/0, 13-23=-1113/0, 13-24=0/1658, 12-24=0/1658, 12-25=0/1615, 10-25=0/1615, 10-26=-1406/0, 26-27=-1406/0, 9-27=-1406/0, 9-28=-1411/0, 6-28=-1411/0, 6-29=-317/0, 5-29=-317/0
WEBS	1-13=0/18918, 11-13=0/15994, 11-12=-2875/0, 2-12=-1022/85, 10-11=-2489/0, 3-10=0/1971, 8-9=0/7488, 3-9=0/9944, 3-6=-16920/0, 6-7=-19191/0

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x12 - 4 rows staggered at 0-4-0 oc, 2x8 - 4 rows staggered at 0-4-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) The Fabrication Tolerance at joint 11 = 12%
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 14, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2906 lb down at 1-11-6, 2906 lb down at 3-11-6, 2906 lb down at 5-11-6, 2906 lb down at 7-11-6, 2906 lb down at 9-11-6, and 2906 lb down at 11-11-6, and 2906 lb down at 13-11-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	AG1	Flat Girder	1	**3**	Job Reference (optional)

1) Dead + Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-4=-210, 7-14=-20, 5-15=-20
Concentrated Loads (lb)
Vert: 16=-2906 (F), 17=-2906 (F), 18=-2906 (F), 19=-2906 (F), 20=-2906 (F), 21=-2906 (F), 22=-2906 (F), 23=-1946 (B), 24=-1946 (B), 25=-1988 (B), 26=-1988 (B), 27=-1988 (B), 28=-1946 (B), 29=-1946 (B)

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	B1	Common	36	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403, user — Run: 8.82 S Jan 17 2025 Print: 8.820 S Jan 17 2025 MiTek Industries, Inc. Thu Oct 23 15:16:30 — Page: 1

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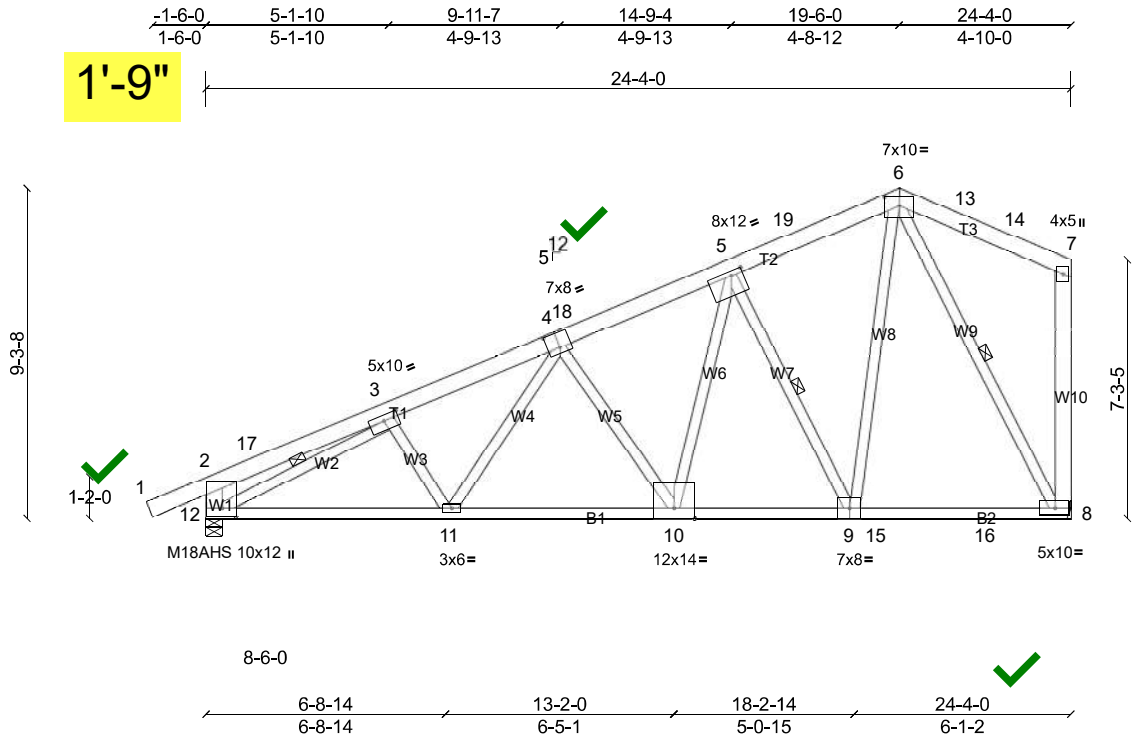

Scale = 1:58.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.21	10-11	>999	360	MT20	197/144
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.28	10-11	>999	240	M18AHS	142/136
TCDL	15.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.11	8	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.02	10-11	>999	240		
BCDL	10.0										Weight: 148 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF 2100F 1.8E *Except* W1,W10:2x6 SPF 1650F 1.5E, W8,W5:2x4 SPF 1650F 1.5E, W3,W4,W6:2x4 WW Stud

REACTIONS (lb/size) 8=2731/ Mechanical, (min. 0-1-8), 12=3142/0-5-8, (min. 0-5-5)
Max Horiz 12=181 (LC 11)
Max Grav 8=2731 (LC 1), 12=3394 (LC 21)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-12, 6-8, 5-9

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	7-14=-305/110, 2-12=-1257/65, 7-8=-713/78, 1-2=0/273, 2-17=-870/284, 3-17=-626/334, 3-4=-4432/0, 4-18=-3517/17, 5-18=-3483/40, 5-19=-2103/64, 6-19=-1799/83
BOT CHORD	11-12=-126/4027, 10-11=-98/3770, 9-10=-83/2725, 9-15=-72/1292, 15-16=-72/1292, 8-16=-72/1292
WEBS	3-12=-4020/0, 6-8=-2777/52, 6-9=0/2358, 3-11=-268/113, 4-11=0/433, 4-10=-1355/59, 5-10=0/1267, 5-9=-2461/65

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-7-1 to 1-4-15, Interior (1) 1-4-15 to 19-6-0, Exterior(2R) 19-6-0 to 22-6-0, Interior (1) 22-6-0 to 24-1-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	B1G	Common Supported Gable	7	1	Job Reference (optional)

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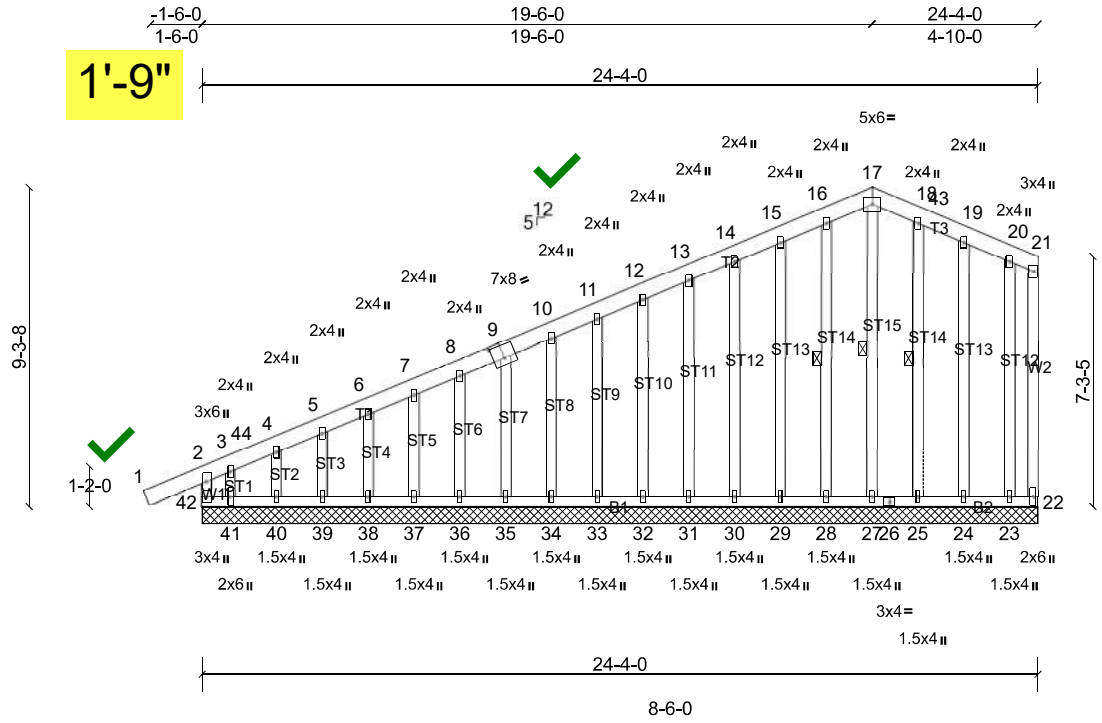

Scale = 1:55

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.11	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.00	22	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-R								
BCDL	10.0										Weight: 176 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud
OTHERS	2x4 WW Stud

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 17-27, 16-28, 18-25

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

REACTIONS All bearings 24-4-0.

(lb) - Max Horiz 42=180 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 22, 23, 24, 25, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40 except 41=-570 (LC 20)

Max Grav All reactions 250 (lb) or less at joint(s) 22, 41 except 23=305 (LC 22), 24=462 (LC 22), 25=436 (LC 22), 27=295 (LC 1), 28=311 (LC 1), 29=315 (LC 21), 30=310 (LC 21), 31=307 (LC 21), 32=306 (LC 1), 33=308 (LC 1), 34=319 (LC 21), 35=303 (LC 21), 36=297 (LC 1), 37=305 (LC 21), 38=310 (LC 1), 39=317 (LC 21), 40=258 (LC 21), 42=1405 (LC 20)

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

TOP CHORD 2-42=-1352/160, 1-2=0/260, 2-3=-260/204

WEBS 17-27=-268/16, 16-28=-284/22, 15-29=-288/26, 14-30=-283/28, 13-31=-280/26, 12-32=-279/25, 11-33=-281/26, 10-34=-292/23, 9-35=-276/37, 8-36=-270/20, 7-37=-278/26, 6-38=-282/25, 5-39=-291/25, 3-41=-116/539, 18-25=-409/33, 19-24=-434/55, 20-23=-283/35

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -1-7-1 to 1-4-15, Exterior(2N) 1-4-15 to 19-6-0, Corner(3R) 19-6-0 to 22-6-0, Exterior(2N) 22-6-0 to 24-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 29, 30, 31, 32, 33, 34, 35, 37, 38, 39, 40, 25, 24, 23 except (jt=lb) 41=570.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	B1G	Common Supported Gable	7	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	B2G	Common Supported Gable	1	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403, user — Run: 8.82 S Jan 17 2025 Print: 8.820 S Jan 17 2025 MiTek Industries, Inc. Thu Oct 23 15:16:30 — Page: 1

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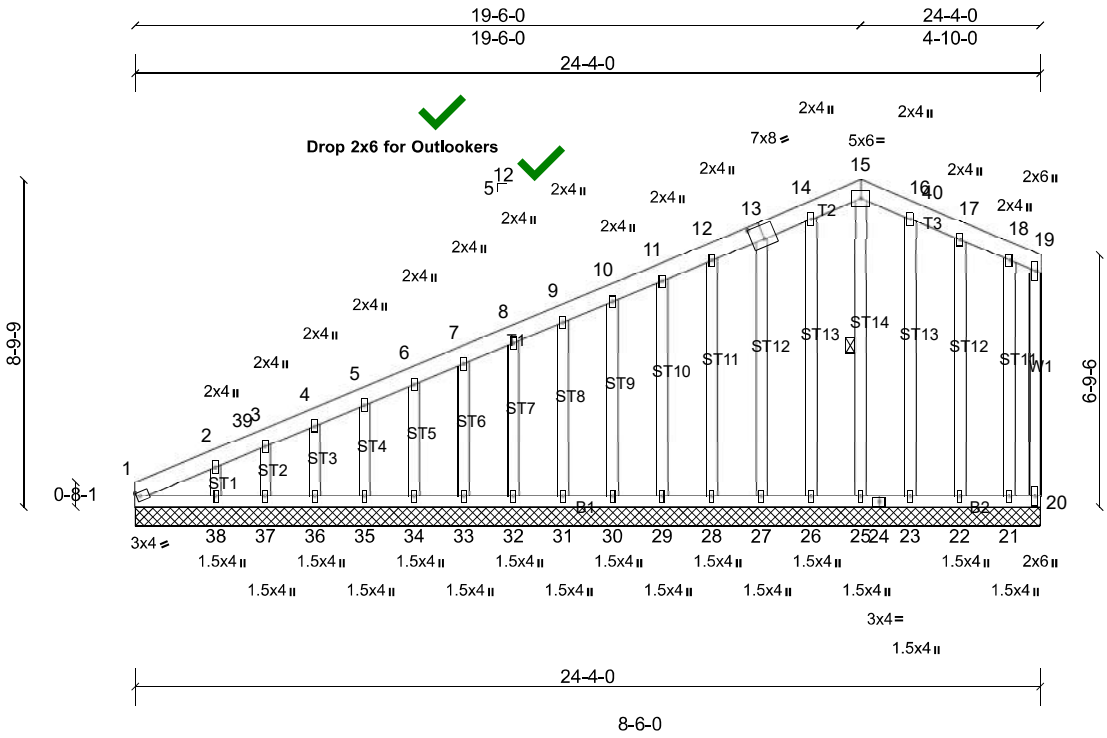


Scale = 1:51.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.09	Vert(TL)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.68	Horiz(TL)	0.00	20	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH								
BCDL	10.0										Weight: 163 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud
OTHERS	2x4 WW Stud

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 15-25

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

REACTIONS All bearings 24-4-0.

(lb) - Max Horiz 1=161 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 20, 21, 22, 23, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

Max Grav All reactions 250 (lb) or less at joint(s) 1, 20 except 21=303 (LC 21), 22=459 (LC 21), 23=433 (LC 21), 25=294 (LC 1), 26=409 (LC 20), 27=436 (LC 20), 28=426 (LC 20), 29=424 (LC 20), 30=426 (LC 20), 31=419 (LC 20), 32=367 (LC 20), 33=310 (LC 20), 34=307 (LC 1), 35=307 (LC 1), 36=309 (LC 20), 37=271 (LC 20), 38=458 (LC 1)

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

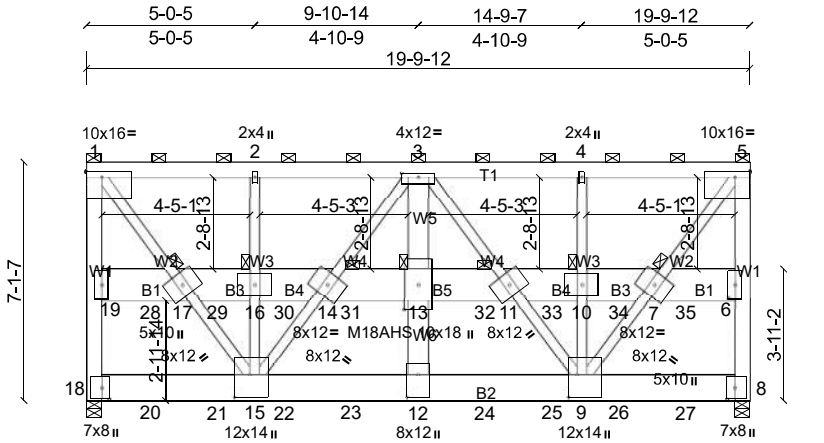
WEBS 15-25=-267/15, 14-26=-382/21, 13-27=-409/26, 12-28=-399/28, 11-29=-396/26, 10-30=-399/25, 9-31=-392/25, 8-32=-340/25, 7-33=-283/25, 6-34=-280/25, 5-35=-281/25, 4-36=-279/24, 3-37=-257/27, 2-38=-399/71, 16-23=-406/32, 17-22=-431/54, 18-21=-282/36

NOTES

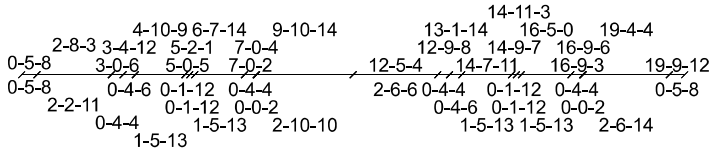
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 19-6-0, Corner(3R) 19-6-0 to 22-6-0, Exterior(2N) 22-6-0 to 24-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 23, 22, 21.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	BG1	Flat Girder	3	3	Job Reference (optional)



10-0-0 10-0-0



Scale = 1:57

Plate Offsets (X, Y): [1:Edge,0-2-4], [3:0-6-0,0-1-8], [5:Edge,0-2-4], [6:0-5-0,0-2-4], [8:0-4-0,0-2-12], [9:0-8-0,0-3-0], [12:0-8-0,0-4-0], [13:0-8-12,0-5-0], [15:0-8-0,0-5-8], [18:0-4-0,0-2-12], [19:0-5-0,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.83	Vert(LL)	-0.18	12-15	>999	360	MT20	197/144
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.78	Vert(CT)	-0.23	12-15	>999	240	M18AHS	145/140
TCDL	15.0	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.01	12	>999	240		
BCDL	10.0										Weight: 751 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x12 HF SS *Except* B2:2x10 HF SS
WEBS	2x4 SPF 2400F 2.0E *Except* W1:2x6 SPF 2100F 1.8E, W3:2x4 WW Stud, W6,W5:2x8 DF 1950F 1.7E

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-5, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 1, 13, 5, 17, 16, 14, 11, 10, 7

REACTIONS (lb/size) 8=24636/0-5-8, (min. 0-2-15), 18=24636/0-5-8, (min. 0-2-15)
Max Horiz 18=-144 (LC 22)

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

TOP CHORD	18-19=-22093/0, 1-19=-19089/0, 1-2=-14746/0, 2-3=-14772/0, 3-4=-14772/0, 4-5=-14746/0, 6-8=-22093/0, 5-6=-19089/0
BOT CHORD	18-20=0/1364, 20-21=0/1364, 15-21=0/1364, 15-22=0/20611, 22-23=0/20611, 12-23=0/20611, 12-24=0/20611, 24-25=0/20611, 9-25=0/20611, 9-26=0/1364, 26-27=0/1364, 8-27=0/1364, 19-28=-845/0, 17-28=-845/0, 17-29=0/718, 16-29=0/718, 16-30=-2/710, 14-30=-2/710, 14-31=-2162/0, 13-31=-2162/0, 13-32=-2162/0, 11-32=-2162/0, 11-33=-4/710, 10-33=-4/710, 10-34=-4/718, 7-34=-4/718, 7-35=-845/0, 6-35=-845/0
WEBS	1-17=0/23313, 15-17=0/21883, 15-16=-2187/0, 2-16=-832/98, 14-15=-11356/0, 3-14=-5898/0, 12-13=0/6935, 3-11=-5898/0, 9-11=-11356/0, 9-10=-2187/0, 4-10=-832/98, 7-9=0/21883, 5-7=0/23313, 3-13=0/8168

NOTES

1) 3-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected with 16d (0.131"x 3.5") nails as follows: 2x10 - 5 rows staggered at 0-4-0 oc, 2x12 - 6 rows staggered at 0-4-0 oc.
Web chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc, 2x8 - 4 rows staggered at 0-4-0 oc, Except member 3-13 2x8 - 3 rows staggered at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) The Fabrication Tolerance at joint 15 = 0%, joint 13 = 0%, joint 9 = 0%
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Bearing at joint(s) 18, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2711 lb down at 1-10-14, 2711 lb down at 3-10-14, 2711 lb down at 5-10-14, 2711 lb down at 7-10-14, 2711 lb down at 9-10-14, 2711 lb down at 11-10-14, 2711 lb down at 13-10-14, and 2711 lb down at 15-10-14, and 2711 lb down at 17-10-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

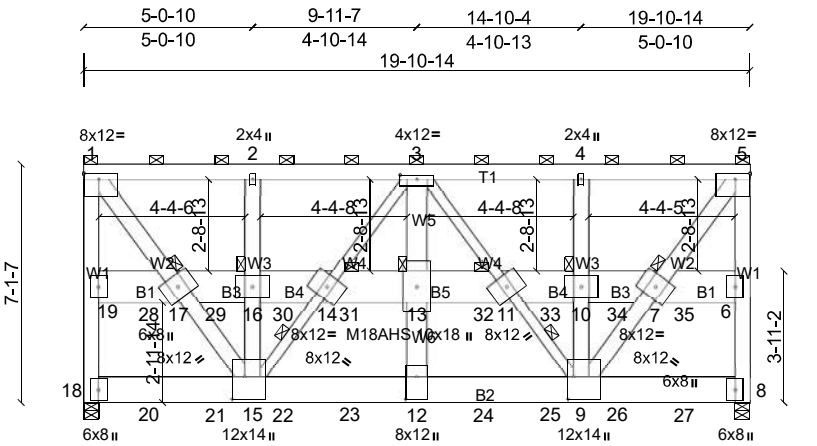
LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (lb/ft)
   Vert: 1-5=-210, 8-18=-20, 6-19=-20
   Concentrated Loads (lb)
   Vert: 13=-2234 (B), 12=-2711 (F), 20=-2711 (F), 21=-2711 (F), 22=-2711 (F), 23=-2711 (F), 24=-2711 (F), 25=-2711 (F), 26=-2711 (F), 27=-2711 (F), 28=-2197 (B), 29=-2234 (B), 30=-2234 (B), 31=-2234 (B), 32=-2234 (B), 33=-2234 (B), 34=-2234 (B), 35=-2197 (B)

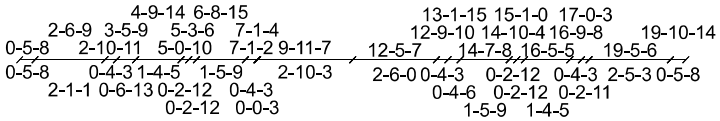
Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	BG2	Flat Girder	1	3	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403, user — Run: 8.82 S Jan 17 2025 Print: 8.820 S Jan 17 2025 MiTek Industries, Inc. Thu Oct 23 15:16:31 — Page: 1

ID:4ADZEA7zdzIbsKDNjOsq7UzUlDd-sR5RYEi4XGFpWKvmjJjPPdMjJqyq89zgGEL9kCyQU3E



8-6-0 8-6-0



Scale = 1:57

Plate Offsets (X, Y): [1:0-5-4,0-2-0], [3:0-6-0,0-1-8], [5:0-5-4,0-2-0], [9:0-8-0,0-2-0], [12:0-8-0,0-4-0], [15:0-8-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.95	Vert(LL)	-0.19	12	>999	360	MT20	197/144
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.81	Vert(CT)	-0.23	12	>999	240	M18AHS	145/140
TCDL	15.0	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.04	8	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.01	12	>999	240		
BCDL	10.0										Weight: 794 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x12 HF SS *Except* B2:2x10 HF SS
WEBS	2x6 SPF 1650F 1.5E *Except* W2:2x6 SPF 2100F 1.8E, W4:2x4 WW Stud, W6,W5:2x8 DF 1950F 1.7E

REACTIONS (lb/size) 8=24648/0-5-8, (min. 0-3-4), 18=24648/0-5-8, (min. 0-3-4)
Max Horiz 18=-144 (LC 6)

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.): 1-5, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 14-15, 9-11
JOINTS	1 Brace at Jt(s): 1, 13, 5, 17, 16, 14, 11, 10, 7

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

TOP CHORD	18-19=-22484/0, 1-19=-19689/0, 1-2=-15068/0, 2-3=-15247/0, 3-4=-15247/0, 4-5=-15068/0, 6-8=-22484/0, 5-6=-19689/0
BOT CHORD	18-20=-31/1026, 20-21=-31/1026, 15-21=-31/1026, 15-22=0/20297, 22-23=0/20297, 12-23=0/20297, 12-24=0/20297, 24-25=0/20297, 9-25=0/20297, 9-26=0/1026, 26-27=0/1026, 8-27=0/1026, 19-28=-616/0, 17-28=-616/0, 14-31=-2149/0, 13-31=-2149/0, 13-32=-2149/0, 11-32=-2149/0, 7-35=-616/0, 6-35=-616/0
WEBS	1-17=0/24116, 15-17=0/23586, 15-16=-4741/0, 2-16=-1067/69, 14-15=-8646/0, 3-14=-4690/0, 12-13=0/5953, 3-11=-4690/0, 9-11=-8646/0, 9-10=-4741/0, 4-10=-1067/69, 7-9=0/23586, 5-7=0/24116, 3-13=0/6673

NOTES

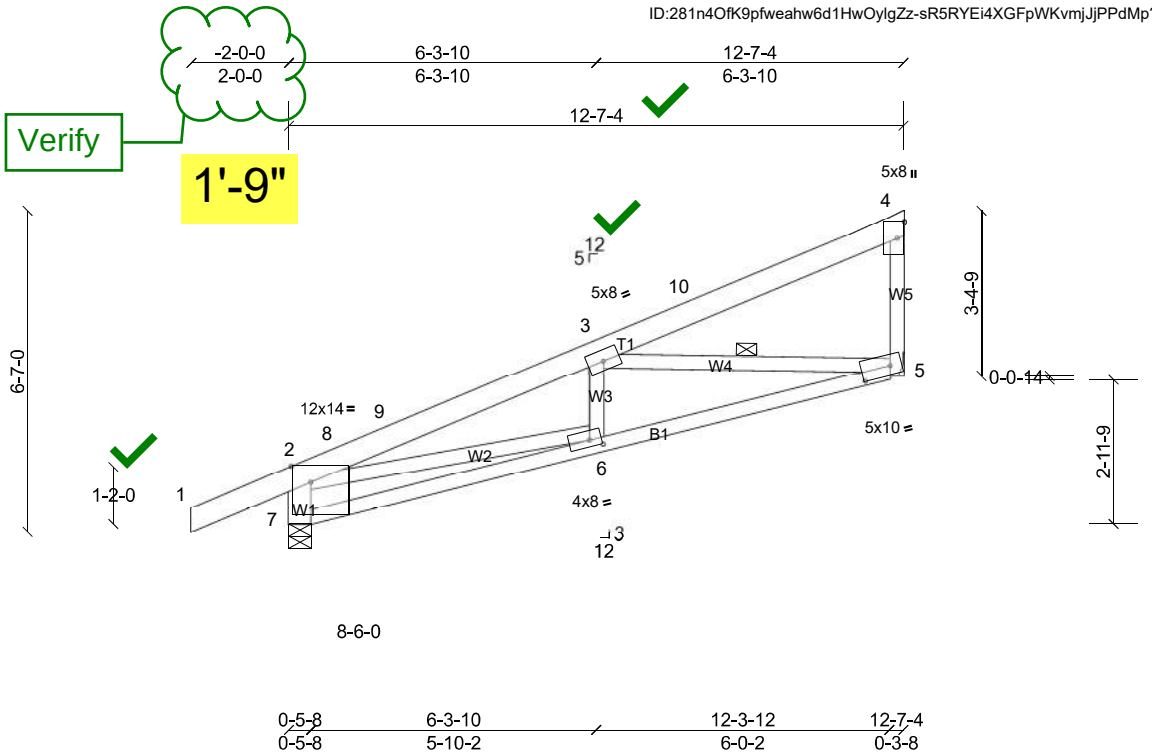
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 4 rows staggered at 0-4-0 oc, 2x12 - 6 rows staggered at 0-4-0 oc.
Web connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-6-0 oc, 2x8 - 4 rows staggered at 0-4-0 oc, Except member 3-13 2x8 - 3 rows staggered at 0-5-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
4) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) The Fabrication Tolerance at joint 15 = 0%, joint 13 = 12%, joint 9 = 0%
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Bearing at joint(s) 18, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2711 lb down at 1-11-7, 2711 lb down at 3-11-7, 2711 lb down at 5-11-7, 2711 lb down at 7-11-7, 2711 lb down at 9-11-7, 2711 lb down at 11-11-7, 2711 lb down at 13-11-7, and 2711 lb down at 15-11-7, and 2711 lb down at 17-11-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

1) Dead + Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (lb/ft)
Vert: 1-5=-210, 8-18=-20, 6-19=-20
Concentrated Loads (lb)
Vert: 13=-2234 (B), 12=-2711 (F), 20=-2711 (F), 21=-2711 (F), 22=-2711 (F), 23=-2711 (F), 24=-2711 (F), 25=-2711 (F), 26=-2711 (F), 27=-2711 (F), 28=-2197 (B), 29=-2234 (B), 30=-2234 (B), 31=-2234 (B), 32=-2234 (B), 33=-2234 (B), 34=-2234 (B), 35=-2197 (B)

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	C1	Jack-Closed	4	1	Job Reference (optional)



Scale = 1:40.8

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	-0.15	6	>988	360	MT20	118/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.18	5-6	>830	240		
TCDL	15.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	5	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.01	6	>999	240		
BCDL	10.0										Weight: 72 lb	FT = 20%

LUMBER
TOP CHORD 1 1/2" x 5 1/2" 2.0E Microllam® LVL
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF 1650F 1.5E *Except* W1:2x6 SPF 1650F 1.5E, W3:2x4 WW Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-5

REACTIONS (lb/size) 5=1364/ Mechanical, (min. 0-1-8), 7=1917/0-5-8, (min. 0-1-8)
Max Horiz 7=132 (LC 11)
Max Grav 5=1946 (LC 21), 7=2347 (LC 21)

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 2-7=-2419/94, 1-2=0/334, 2-8=-3989/0, 8-9=-3927/0, 3-9=-3676/0, 3-10=-503/25, 4-5=-813/70
BOT CHORD 6-7=-535/621, 5-6=-126/3516
WEBS 2-6=0/2813, 3-6=-329/182, 3-5=-3305/91

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 12-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	C2	Jack-Closed	3	1	Job Reference (optional)

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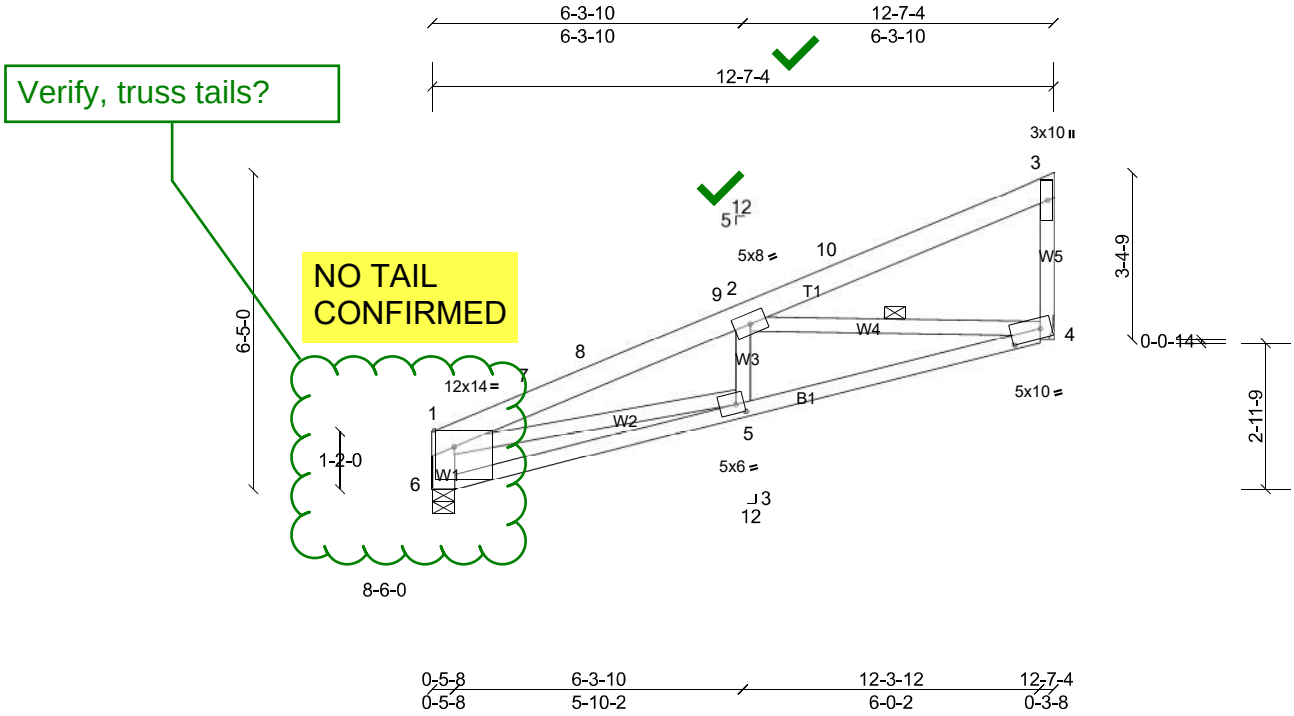
ID:5tD1g0BRfeP5d_xgWjMvWtylgbs-sR5RYEi4XGFpWKvmjJjPPdMjYqy98GjgGEL9kCyQU3E



Scale = 1:40.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.94	Vert(LL)	-0.16	5	>936	360	MT20	118/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.19	4-5	>784	240		
TCDL	15.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	4	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.01	5	>999	240		
BCDL	10.0										Weight: 67 lb	FT = 20%

LUMBER

TOP CHORD	1 1/2" x 5 1/2" 2.0E Microllam® LVL
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud *Except* W1:2x6 SPF 1650F 1.5E, W2,W4:2x4 SPF 1650F 1.5E

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-14 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-4

REACTIONS (lb/size) 4=1406/ Mechanical, (min. 0-1-8), 6=1406/0-5-8, (min. 0-1-8)
Max Horiz 6=120 (LC 11)
Max Grav 4=1988 (LC 20), 6=1836 (LC 20)

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.

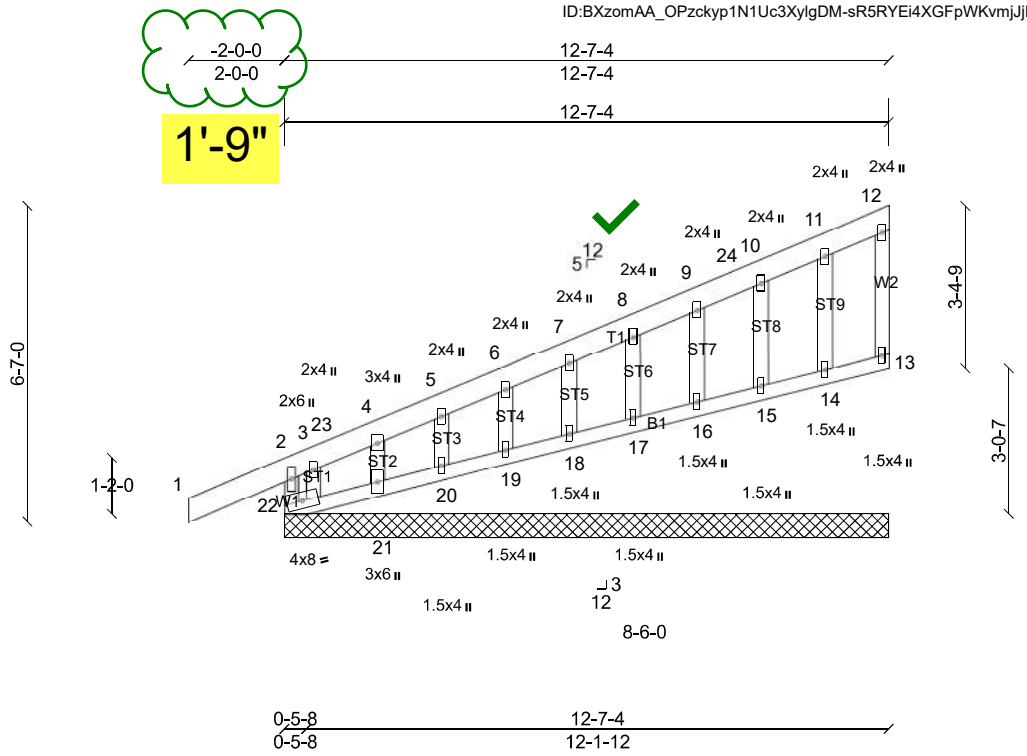
TOP CHORD	1-6=-1925/48, 1-7=-4164/0, 7-8=-3888/0, 8-9=-3879/14, 2-9=-3515/16, 2-10=-486/28, 3-4=-793/69
BOT CHORD	5-6=-175/689, 4-5=-129/3717
WEBS	1-5=0/2943, 2-5=-348/181, 2-4=-3528/94

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 12-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide metal plate or equivalent at bearing(s) 4 to support reaction shown.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	C2G	Jack-Closed	1	1	Job Reference (optional)



Scale = 1:40.8

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.00	13	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-R								
BCDL	10.0										Weight: 61 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud
OTHERS	2x4 WW Stud

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.

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

REACTIONS All bearings 12-7-4.

(lb) - Max Horiz 22=130 (LC 11)
Max Uplift All uplift 100 (lb) or less at joint(s) 13, 15, 16, 17, 18, 19 except 21=-872 (LC 20)
Max Grav All reactions 250 (lb) or less at joint(s) 13, 21 except 14=426 (LC 21), 15=452 (LC 21), 16=440 (LC 21), 17=435 (LC 21), 18=436 (LC 21), 19=446 (LC 21), 20=501 (LC 21), 22=1690 (LC 20)

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

TOP CHORD 2-22=-862/325, 1-2=0/322, 3-23=-285/134, 4-23=-281/140
WEBS 11-14=-390/43, 10-15=-427/44, 9-16=-412/41, 8-17=-408/40, 7-18=-408/40, 6-19=-422/39, 5-20=-464/38, 4-21=-129/827, 3-22=-794/193

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 12-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Bearing at joint(s) 22, 13, 14, 15, 16, 17, 18, 19, 20, 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 15, 16, 17, 18, 19 except (jt=lb) 21=871.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	D1	Jack-Closed	8	1	Job Reference (optional)

Alpine Lumber Co, Montrose, CO - 81403, user Run: 8.82 S Jan 17 2025 Print: 8.820 S Jan 17 2025 MiTek Industries, Inc. Thu Oct 23 15:16:31 Page: 1
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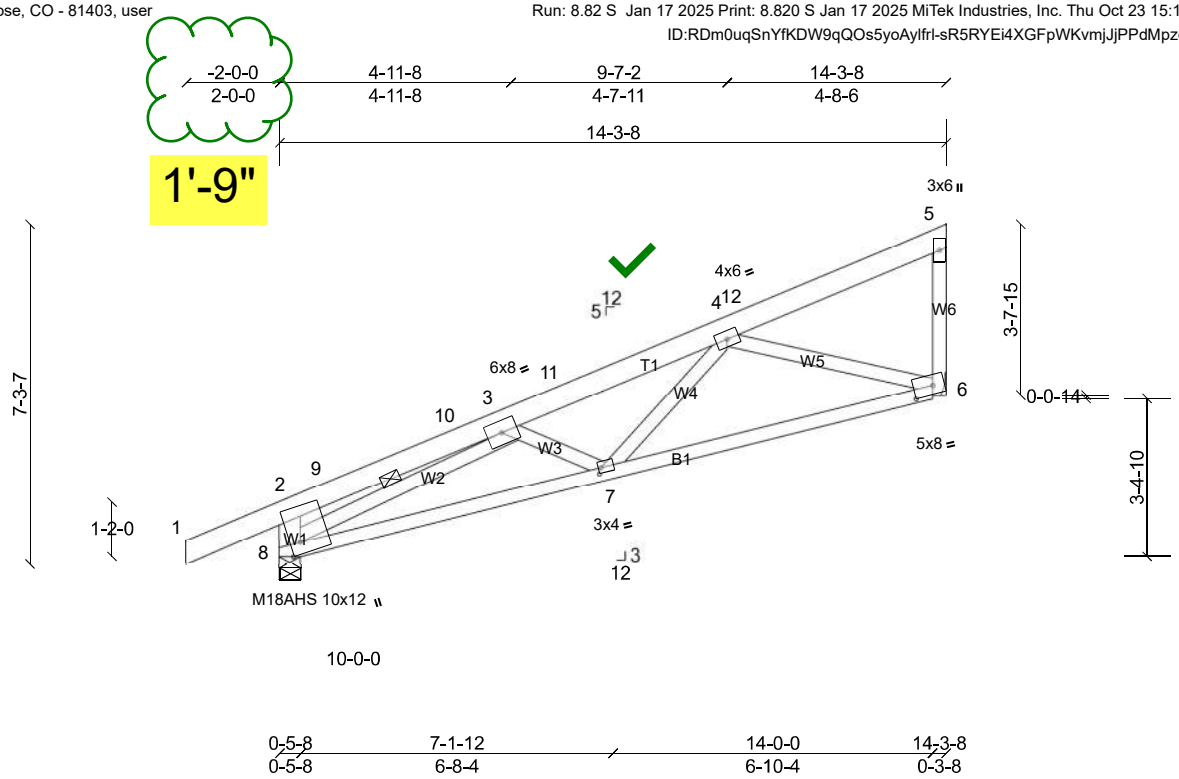

Scale = 1:43

Plate Offsets (X, Y): [6:0-5-0,0-2-8], [7:0-0-12,0-1-8], [8:0-2-14,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.16	6-7	>999	360	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.21	6-7	>790	240	M18AHS	142/136
TCDL	15.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.08	6	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.01	6-7	>999	240		
BCDL	10.0										Weight: 70 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 WW Stud *Except* W1:2x6 SPF 1650F 1.5E, W5,W2:2x4 SPF 1650F 1.5E

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-8

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

REACTIONS (lb/size) 6=1563/ Mechanical, (min. 0-1-8), 8=2106/0-5-8, (min. 0-3-11)
Max Horiz 8=145 (LC 11)
Max Grav 6=2197 (LC 21), 8=2483 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-1334/84, 1-2=0/334, 2-9=-765/481, 9-10=-703/484, 3-10=-480/527, 3-11=-3772/0, 4-11=-3594/0, 4-12=-358/21, 5-12=-322/126, 5-6=-544/53
BOT CHORD 7-8=-136/3787, 6-7=-112/3022
WEBS 3-7=-379/197, 4-7=0/628, 4-6=-3006/81, 3-8=-3762/0

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior (1) 1-0-0 to 14-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide metal plate or equivalent at bearing(s) 6 to support reaction shown.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	D1G	Jack-Closed	7	1	Job Reference (optional)

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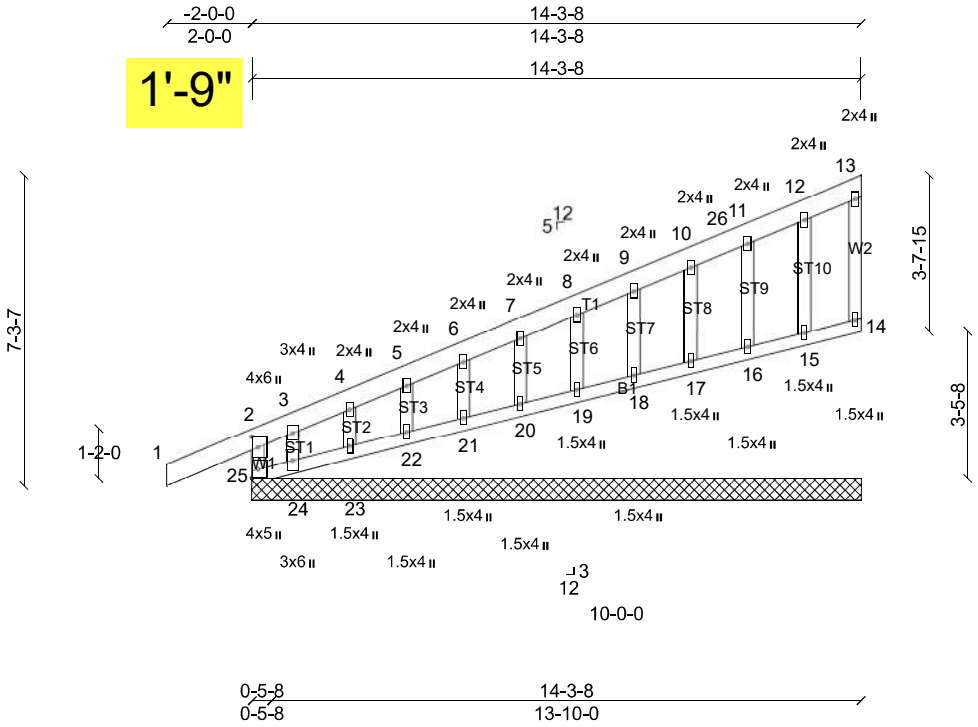

Scale = 1:43

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.13	Vert(CT)	n/a	-	n/a	999		
TCDL	15.0	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-R								
BCDL	10.0										Weight: 69 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud
OTHERS	2x4 WW Stud

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.

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

REACTIONS All bearings 14-3-8.

(lb) - Max Horiz 25=145 (LC 11)

Max Uplift All uplift 100 (lb) or less at joint(s) 14, 16, 17, 18, 19, 20, 21, 22, 23 except 24=-819 (LC 20)

Max Grav All reactions 250 (lb) or less at joint(s) 14, 23, 24 except 15=416 (LC 21), 16=453 (LC 21), 17=440 (LC 21), 18=436 (LC 21), 19=437 (LC 21), 20=439 (LC 21), 21=439 (LC 21), 22=389 (LC 21), 25=1832 (LC 20)

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

TOP CHORD 2-25=-1777/128, 1-2=0/322, 2-3=-358/159

WEBS 12-15=-385/39, 11-16=-427/42, 10-17=-413/38, 9-18=-409/36, 8-19=-410/36, 7-20=-411/36, 6-21=-412/36, 5-22=-364/36, 3-24=-104/787

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Corner(3E) -2-0-0 to 0-11-8, Exterior(2N) 0-11-8 to 14-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
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=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 90.0 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) Bearing at joint(s) 25, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 16, 17, 18, 19, 20, 21, 22, 23 except (jt=lb) 24=818.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	D1G	Jack-Closed	7	1	Job Reference (optional)

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	KOCON LLC
Q250433	D2	Jack-Closed	28	1	Job Reference (optional)

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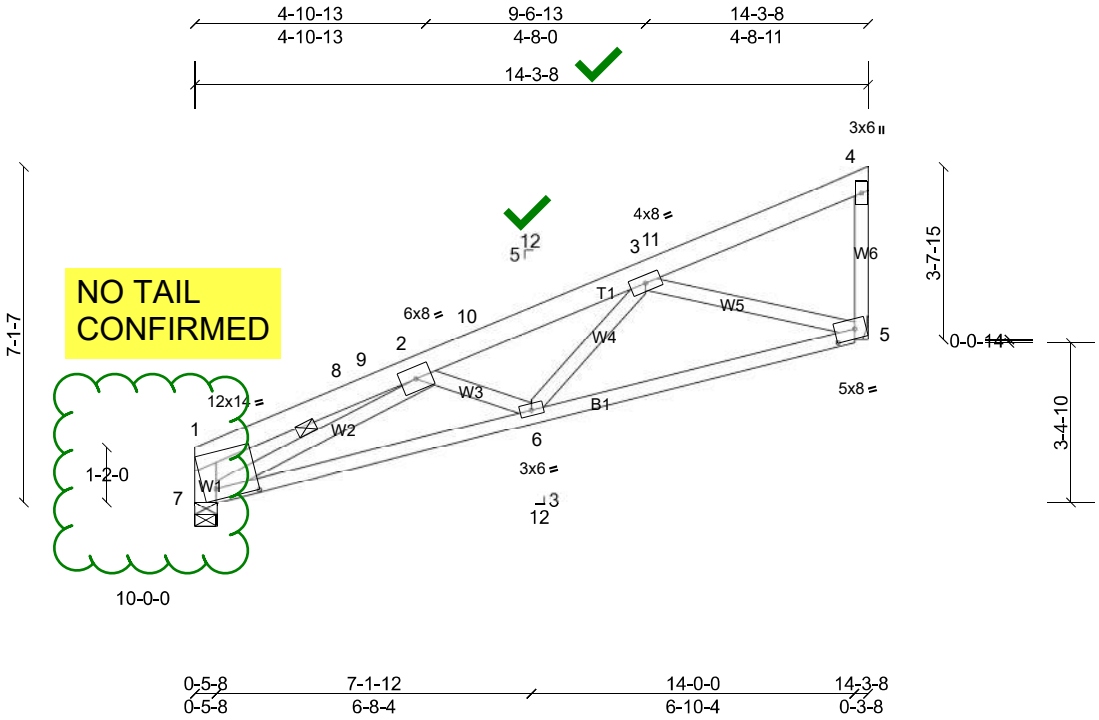

Scale = 1:42.4

Plate Offsets (X, Y): [1:0-10-10,0-2-14], [5:0-5-0,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	90.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.16	5-6	>999	360	MT20	169/123
(Roof Snow = 90.0)		Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.20	5-6	>825	240		
TCDL	15.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.08	5	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-SH		Wind(LL)	0.01	5-6	>999	240		
BCDL	10.0										Weight: 66 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 WW Stud *Except* W1:2x6 SPF 1650F 1.5E, W2:2x4 SPF 2100F 1.8E, W5:2x4 SPF 1650F 1.5E

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-6-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-7

REACTIONS (lb/size) 5=1600/ Mechanical, (min. 0-1-8), 7=1600/0-5-8, (min. 0-1-8)
Max Horiz 7=134 (LC 11)
Max Grav 5=2234 (LC 20), 7=1978 (LC 20)

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	1-7=-755/36, 1-8=-777/9, 8-9=-535/14, 2-9=-492/20, 2-10=-3911/0, 3-10=-3721/0, 3-11=-358/22, 4-11=-318/129, 4-5=-553/53
BOT CHORD	6-7=-143/4060, 5-6=-111/3103
WEBS	2-6=-526/97, 2-7=-4008/9, 3-6=0/714, 3-5=-3085/80

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Ke=0.83; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-2-12 to 3-2-12, Interior (1) 3-2-12 to 14-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-16; Pf=90.0 psf (Lum DOL = 1.00 Plate DOL = 1.00); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide metal plate or equivalent at bearing(s) 5 to support reaction shown.

LOAD CASE(S) Standard