

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

Re: Q230973 STEAMBOAT BUILDING CO

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Alpine Truss-Montrose, CO.

Pages or sheets covered by this seal: R81680699 thru R81680704

My license renewal date for the state of Colorado is October 31, 2025.

Anthem, LLC Received: 4/8/24
Reviewed: No Exceptions Reviewed: Exceptions Noted
Revise & Resubmit Rejected
Information Only
his review was performed only for the general conformance with the esign concept and the general compliance with the information given i ne Contract Documents. Modifications or comments made on the sho rawings or submittal during this review do not relieve the Contractor

design concept and the general compliance with the information given in the Contract Documents. Modifications or comments made on the shop drawings or submittal during this review do not relieve the Contractor from responsibility for compliance with the requirements of the plans and specifications. Approval of a specific item shall not include approval of an assembly of which the item is a component. Contractor is responsible for: dimensions and quantites; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; and coordination of the work of all trades.

By: CMC

Th

Date: 04/11/2024

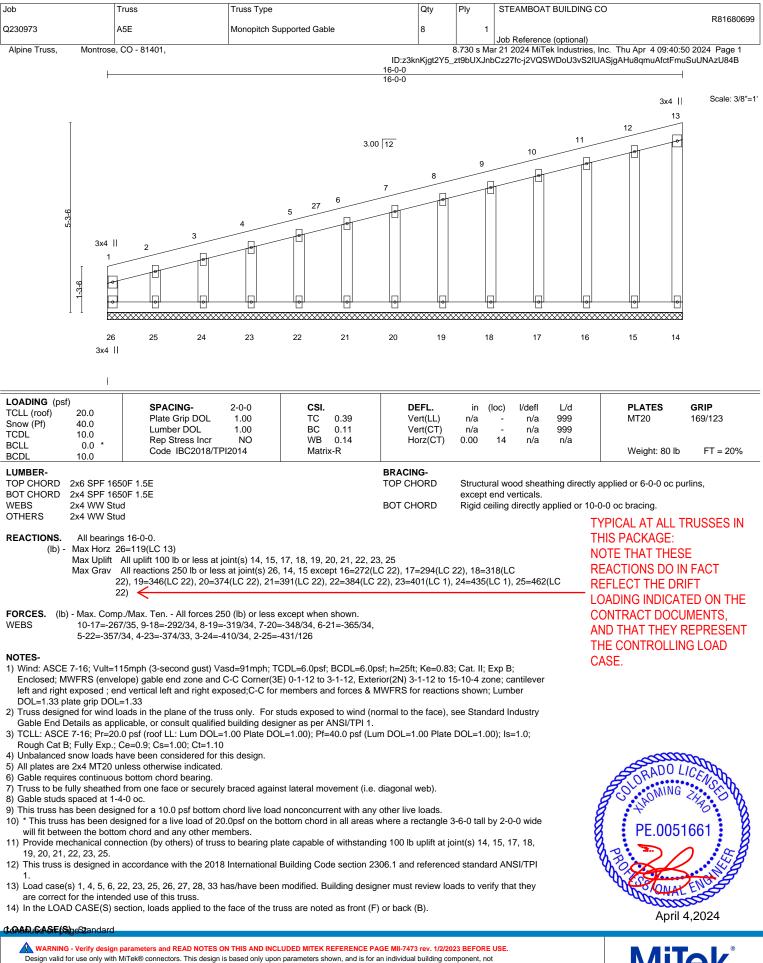
TYP 16/16 PAGES



April 4,2024

Zhao, Xiaoming

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.

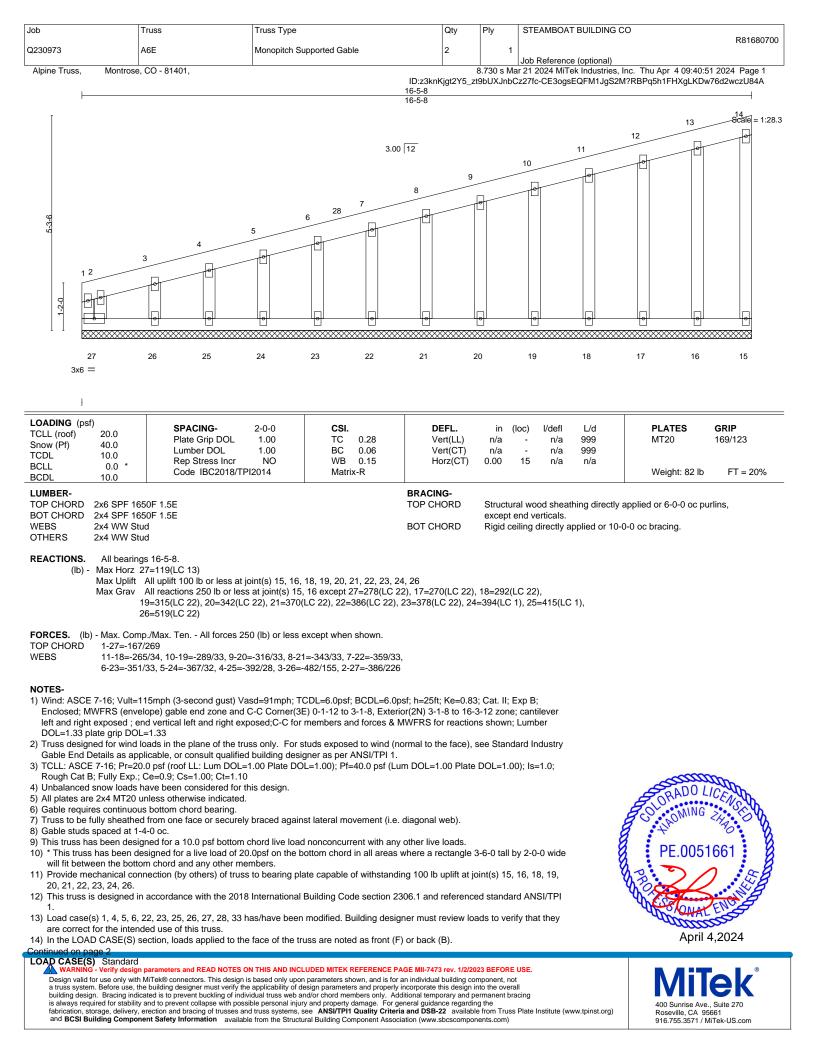


Design valid for use only with MITEk® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcscomponents.com)

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

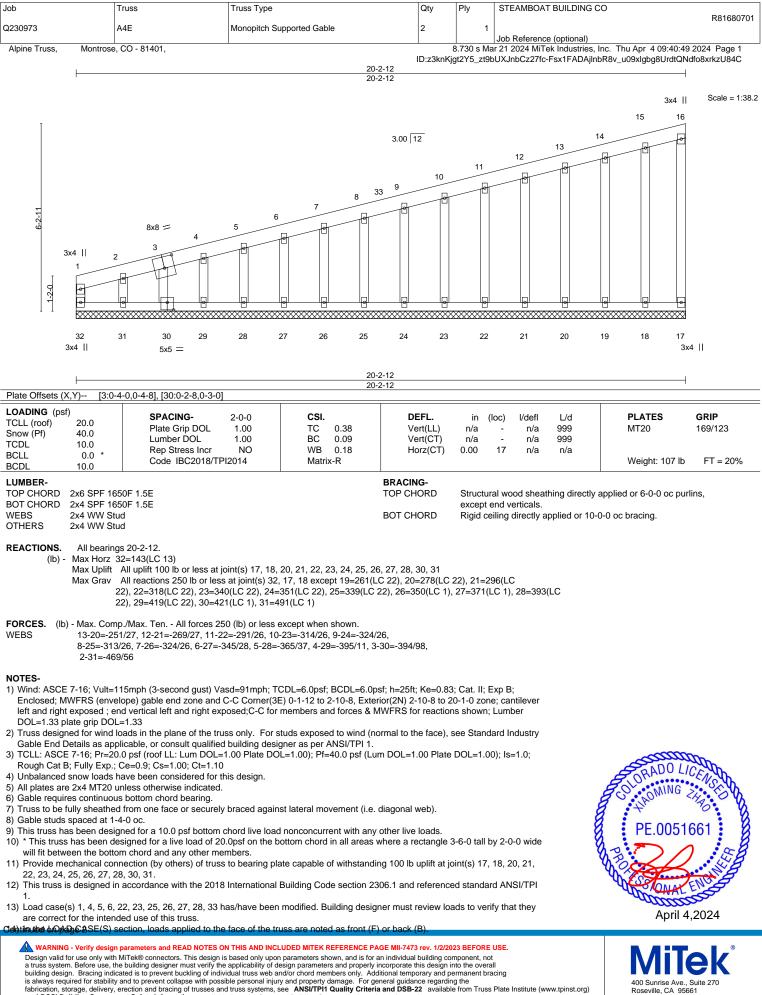
Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO	Datesoc
2230973	A5E	Monopitch Supported Gable	8	1		R8168069
				9 720 e M	Job Reference (optional)	004 Daga 2
Alpine Truss, Mo	ontrose, CO - 81401,		ID:z3knKjgt2Y5		ar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40:50 2 bCz27fc-j2VQSWDoU3vS2IUASjgAHu8qmuAfctFmuSu	
LOAD CASE(S) Sta 1) Dead + Spow (bal		=1.00, Plate Increase=1.00				
Uniform Loads (pl		1.00, Flate morease=1.00				
Vert: 14-2						
Trapezoidal Loads	s (plf) 440(F=-240)-to-13=-100					
		ease=1.00, Plate Increase=1.00				
Uniform Loads (pl						
Vert: 14-2 Trapezoidal Loads						
	:60(F=-180)-to-13=-80					
,	· /	crease=1.00, Plate Increase=1.00				
Uniform Loads (pl Vert: 14-2						
Trapezoidal Loads						
		=-113), 27=-223(F=-113)-to-13=-110				
 Dead + 0.75 Snow Uniform Loads (pli 		ncrease=1.00, Plate Increase=1.00				
Vert: 14-2						
Trapezoidal Loads	u /					
	18(F=-180)-to-13=-38	se=1.00, Plate Increase=1.00				
Uniform Loads (p		se=1.00, 1 late increase=1.00				
Vert: 14						
Trapezoidal Load	u /	F=-151), 27=-290(F=-151)-to-13=-140				
	. , .	ase=1.00, Plate Increase=1.00				
Uniform Loads (p	olf)					
Vert: 14 Trapezoidal Load						
	·284(F=-240)-to-13=-44					
,	. , .	S Wind (Neg. Int) Left): Lumber Increase=1.33	, Plate Increase=1	.33		
Uniform Loads (p Vert: 14						
	26=12, 1-13=-13, 13-14=4	L				
Trapezoidal Load						
	·247(F=-180)-to-13=-67 w (bal) + 0 75(0 6 MWFR	S Wind (Neg. Int) Right): Lumber Increase=1.3	3 Plate Increase=	1 33		
Uniform Loads (p	. , .			1.00		
Vert: 14						
Trapezoidal Load	26=-4, 1-13=-6, 13-14=-12 Is (plf)	2				
	·254(F=-180)-to-13=-74					
,	. , .	S Wind (Neg. Int) 1st Parallel): Lumber Increas	e=1.33, Plate Incr	ease=1.3	3	
Uniform Loads (p Vert: 14	,					
Horz: 1-	26=11, 1-13=-13, 13-14=4	L				
Trapezoidal Load	ls (plf) ·247(F=-180)-to-13=-67					
	(S Wind (Neg. Int) 2nd Parallel): Lumber Increa	se=1.33, Plate Inc	rease=1.3	33	
Uniform Loads (p	olf)		,			
Vert: 14	·26=-20 26=-4, 1-13=-5, 13-14=-1 ⁻					
Trapezoidal Load						
Vert: 1=	255(F=-180)-to-13=-75					
33) Dead + Minimum Uniform Loads (p)		1.00, Plate Increase=1.00				
Vert: 14	,					
Trapezoidal Load	ls (plf)					
Vert 1=	-300(F=-240)-to-13=-60					





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Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO	R81680700
Q230973	A6E	Monopitch Supported Gable	2	1	Job Reference (optional)	
Alpine Truss, Montros	e, CO - 81401,				ar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40	
			ID:z3knKjgt2Y5_z	t9bUXJnb	Cz27fc-CE3ogsEQFM1JgS2M?RBPq5h1FHXgLKI	Dw76d2wczU84A
LOAD CASE(S) Standard	4					
.,	d): Lumber Increase=1.00, P	late Increase=1.00				
Uniform Loads (plf)	-					
Vert: 15-27=-2 Trapezoidal Loads (plf)	0					
· · · · · · · · · · · · · · · · · · ·	=-240)-to-14=-100					
	anced): Lumber Increase=1.	00, Plate Increase=1.00				
Uniform Loads (plf)						
Vert: 15-27=-2 Trapezoidal Loads (plf))					
	=-180)-to-14=-80					
	oal. Left): Lumber Increase=	1.00, Plate Increase=1.00				
Uniform Loads (plf)	^					
Vert: 15-27=-2 Trapezoidal Loads (plf)	J					
	=-180)-to-28=-190(F=-110),	28=-220(F=-110)-to-14=-110				
	oal. Right): Lumber Increase	=1.00, Plate Increase=1.00				
Uniform Loads (plf) Vert: 15-27=-20	n					
Trapezoidal Loads (plf)	5					
	=-180)-to-14=-38					
	Left): Lumber Increase=1.00), Plate Increase=1.00				
Uniform Loads (plf) Vert: 15-27=-	20					
Trapezoidal Loads (pl						
	, , , , , , , , , , , , , , , , , , , ,	, 28=-286(F=-146)-to-14=-140				
23) Dead + Snow (Unbal. Uniform Loads (plf)	Right): Lumber Increase=1.0	00, Plate Increase=1.00				
Vert: 15-27=-	20					
Trapezoidal Loads (pl						
	F=-240)-to-14=-44	(Neg lot) Left), Lumber lesses 4	22 Dista Instance d	22		
Uniform Loads (plf)	al.) + 0.75(0.0 MMVFRS MINU	(Neg. Int) Left): Lumber Increase=1.	55, Plate Increase=	.33		
Vert: 1-27=-1	2, 15-27=-20					
	2, 1-14=-13, 14-15=4					
Trapezoidal Loads (pl	^{·)} F=-180)-to-14=-67					
		(Neg. Int) Right): Lumber Increase=	1.33, Plate Increase=	=1.33		
Uniform Loads (plf)						
Vert: 1-27=4,	15-27=-20 , 1-14=-6, 14-15=-12					
Trapezoidal Loads (pl						
	, F=-180)-to-14=-74					
	al.) + 0.75(0.6 MWFRS Wind	(Neg. Int) 1st Parallel): Lumber Incre	ease=1.33, Plate Inc	rease=1.3	3	
Uniform Loads (plf) Vert: 1-27=-1	1 15-2720					
	1, 1-14=-13, 14-15=4					
Trapezoidal Loads (pl						
	F=-180)-to-14=-67	(Neg. Int) 2nd Parallel): Lumber Incr	open-1 22 Plate Inc	vroaco-1 2	22	
Uniform Loads (plf)	(1.) + 0.75(0.0) WING WING	(Neg. Int) zhu Faraller). Lumber inci		16456=1.0		
Vert: 1-27=4,						
	, 1-14=-5, 14-15=-11					
Trapezoidal Loads (pl Vert: 1=-255([:]) F=-180)-to-14=-75					
33) Dead + Minimum Sno	w: Lumber Increase=1.00, P	late Increase=1.00				
Uniform Loads (plf)						
Vert: 15-27=- Trapezoidal Loads (pli						
	/ F=-240)-to-14=-60					
	-,					





and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

916.755.3571 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO	
Q230973	A4E	Monopitch Supported Gable	2	1	R81680701	
4200010			-		Job Reference (optional)	
Alpine Truss, Montrose, CO - 81401, 8.730 s Mar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40:49 2024 Par						

ID:z3knKjgt2Y5_zt9bUXJnbCz27fc-Fsx1FADAjInbR8v_u09xlgbg8UrdtQNdfo8xrkzU84C

1) Dead + Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-340(F=-240)-to-16=-100 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-260(F=-180)-to-16=-80 5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-260(F=-180)-to-33=-169(F=-89), 33=-199(F=-89)-to-16=-110 6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-218(F=-180)-to-16=-38 22) Dead + Snow (Unbal. Left): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-340(F=-240)-to-33=-219(F=-119), 33=-258(F=-119)-to-16=-140 23) Dead + Snow (Unbal. Right): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-284(F=-240)-to-16=-44 25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf) Vert: 17-32=-20 Horz: 1-32=12, 1-16=-13, 16-17=4 Trapezoidal Loads (plf) Vert: 1=-247(F=-180)-to-16=-67 26) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf) Vert: 17-32=-20 Horz: 1-32=-4, 1-16=-6, 16-17=-12 Trapezoidal Loads (plf) Vert: 1=-254(F=-180)-to-16=-74 27) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf) Vert: 17-32=-20 Horz: 1-32=11, 1-16=-13, 16-17=4 Trapezoidal Loads (plf) Vert: 1=-247(F=-180)-to-16=-67 28) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf) Vert: 17-32=-20 Horz: 1-32=-4, 1-16=-5, 16-17=-11 Trapezoidal Loads (plf) Vert: 1=-255(F=-180)-to-16=-75 33) Dead + Minimum Snow: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 17-32=-20 Trapezoidal Loads (plf) Vert: 1=-300(F=-240)-to-16=-60

LOAD CASE(S) Standard



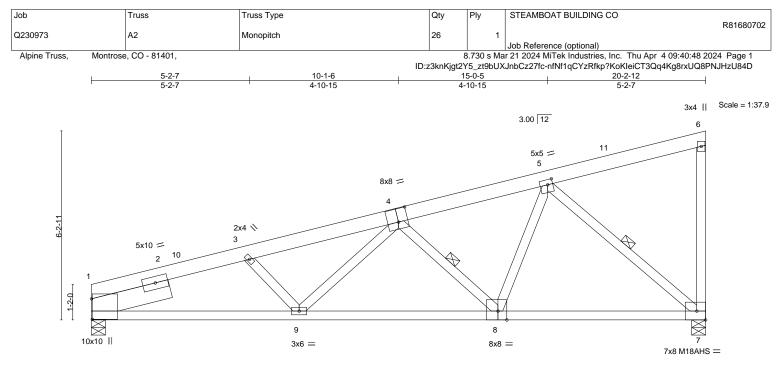


Plate Offsets (X,Y) [1:0-8-1,0-0-5],	[4:0-3-12,0-5-4], [5:0-2-0,0-2-0]	, [8:0-3-8,E						6-10-1	1	
			dge]							
ICLL (roof) 20.0 Pla Snow (Pf) 40.0 Lu ICDL 10.0 Lu SCL 0.0 * Re	ACING- 2-0-0 ate Grip DOL 1.00 mber DOL 1.00 p Stress Incr NO de IBC2018/TPI2014	CSI. TC BC WB Matrix	0.74 0.78 0.70 x-SH	DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL)	in -0.22 -0.27 0.10 0.02	(loc) 8-9 8-9 7 9	l/defl >999 >899 n/a >999	L/d 360 240 n/a 240	PLATES MT20 M18AHS Weight: 97 lb	GRIP 169/123 121/117 FT = 20%
LUMBER- TOP CHORD 2x6 SPF 1650F 1.5E * 1-4: 2x6 SPF 2100F 1.	•			BRACING- TOP CHORD			od sheat erticals.	hing directly	applied or 3-1-13 oc p	urlins,
3OT CHORD 2x4 SPF 2100F 1.8E * 7-8: 2x4 SPF 1650F 1.				BOT CHORD WEBS	Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 4-8, 5-7					
WEBS 2x4 WW Stud *Except 5-8.5-7: 2x4 SPF 1650								-, -		
SLIDER Left 2x8 DF 1950F 1.7										
REACTIONS. (size) 7=0-5-8, 1= Max Horz 1=145(LC										

Max Horz	1=145(LC 13)
Max Uplift	7=-7(LC 16)
Max Grav	7=2308(LC 22), 1=2911(LC 22)

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

TOP CHORD 1-3=-5695/30, 3-4=-4832/10, 4-5=-2947/28, 6-7=-320/50

- BOT CHORD 1-9=-119/4951, 8-9=-79/4115, 7-8=-71/2159
- WEBS 3-9=-593/87, 4-9=0/764, 4-8=-1971/53, 5-8=0/1638, 5-7=-2888/40

NOTES-

- 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) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 20-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
- 2) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=40.0 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
- 3) Unbalanced snow loads have been considered for this design.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 7.
- 8) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 9) Load case(s) 1, 4, 5, 6, 22, 23, 25, 26, 27, 28 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard Except:

- 1) Dead + Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)
 - Vert: 1-7=-20

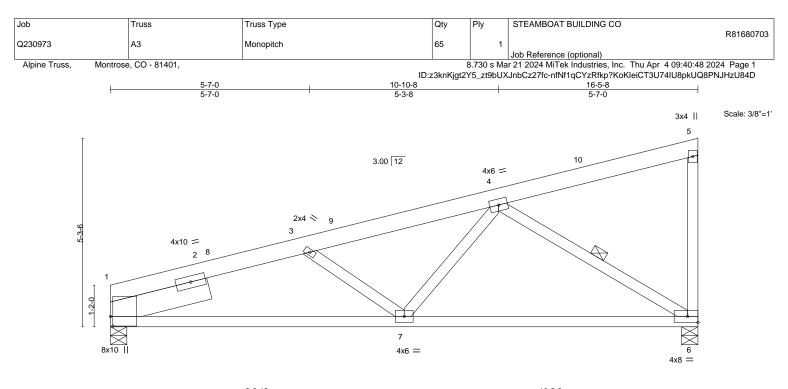
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Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO	R81680702
Q230973	A2	Monopitch	26	1		K01000702
					Job Reference (optional)	
1 2	se, CO - 81401,				r 21 2024 MiTek Industries, Inc. Thu Apr 4 0 JnbCz27fc-nfNf1qCYzRfkp?KoKleiCT3Qq4K	
LOAD CASE(S) Standa Trapezoidal Loads (plf Vert: 1=-340-t)					
		=1.00, Plate Increase=1.00				
Trapezoidal Loads (plf Vert: 1=-239-t						
5) Dead + 0.75 Snow (Ur Uniform Loads (plf) Vert: 1-7=-20	nbal. Left): Lumber Increas	se=1.00, Plate Increase=1.00				
Trapezoidal Loads (plf Vert: 1=-239-t) o-4=-159, 4=-189-to-6=-1	10				
		ase=1.00, Plate Increase=1.00				
Trapezoidal Loads (plf						
Vert: 1=-197-t 22) Dead + Snow (Unbal		1.00, Plate Increase=1.00				
Uniform Loads (plf) Vert: 1-7=-20)					
Trapezoidal Loads (p	lf) -to-4=-220, 4=-260-to-6=-	140				
23) Dead + Snow (Unbal		=1.00, Plate Increase=1.00				
Uniform Loads (plf) Vert: 1-7=-20						
Trapezoidal Loads (p Vert: 1=-284						
Uniform Loads (plf)		/ind (Neg. Int) Left): Lumber Increase=	1.33, Plate Increase=1.	.33		
Vert: 1-7=-20 Horz: 1-6=-1	3, 6-7=4					
Trapezoidal Loads (p Vert: 1=-226						
26) Dead + 0.75 Snow (b Uniform Loads (plf) Vert: 1-7=-20	, ,	/ind (Neg. Int) Right): Lumber Increase	=1.33, Plate Increase=	1.33		
Horz: 1-6=-6	, 6-7=-12					
Trapezoidal Loads (p Vert: 1=-233	-to-6=-74					
Uniform Loads (plf) Vert: 1-7=-20	0	/ind (Neg. Int) 1st Parallel): Lumber Ind	crease=1.33, Plate Incre	ease=1.33	1	
Horz: 1-6=-1 Trapezoidal Loads (p Vert: 1=-226	lf)					
28) Dead + 0.75 Snow (b Uniform Loads (plf) Vert: 1-7=-20	oal.) + 0.75(0.6 MWFRS W	ind (Neg. Int) 2nd Parallel): Lumber Ir	crease=1.33, Plate Inci	ease=1.3	3	
Horz: 1-6=-5 Trapezoidal Loads (p Vert: 1=-234	lf)					





	16-5-8								
I				8-2-12	2				
Plate Offsets (X,Y) [1:0-	3-4,0-0-13]								
LOADING (psf) TCLL (roof) 20.0	SPACING- 2-0-0	CSI.	DEFL.		(loc)	l/defl	L/d	PLATES	GRIP
Snow (Pf) 40.0	Plate Grip DOL 1.00	TC 0.46	Vert(LL)	-0.11	6-7	>999	360	MT20	169/123
TCDL 10.0	Lumber DOL 1.00 Rep Stress Incr NO	BC 0.92 WB 0.78	Vert(CT) Horz(CT)	-0.26 0.08	6-7 6	>741 n/a	240 n/a		
BCLL 0.0 * BCDL 10.0	Code IBC2018/TPI2014	Matrix-SH	Wind(LL)	0.02	6-7	>999	240	Weight: 76 lb	FT = 20%
LUMBER-			BRACING-						
TOP CHORD 2x6 SPF 2100F 1.8E BOT CHORD 2x4 SPF 1650F 1.5E			TOP CHORD	Structural wood sheathing directly applied or 4-4-10 oc purlins, except end verticals.					ourlins,
WEBS 2x4 WW St	ud *Except*		BOT CHORD				pplied or 10)-0-0 oc bracing.	

			Orderara wood shearing directly applied of 4 4 10 00 putility
BOT CHORD	2x4 SPF 1650F 1.5E		except end verticals.
WEBS	2x4 WW Stud *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
	4-6: 2x4 SPF 1650F 1.5E	WEBS	1 Row at midpt 4-6
SLIDER	Left 2x8 DF 1950F 1.7E 2-10-8		

REACTIONS. (size) 1=0-5-8, 6=0-5-8 Max Horz 1=121(LC 15) Max Grav 1=2402(LC 22), 6=1905(LC 22)

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

- TOP CHORD 1-3=-4386/0, 3-4=-3163/0, 5-6=-325/32
- BOT CHORD 1-7=0/3824. 6-7=0/2353
- WEBS 3-7=-1074/0, 4-7=0/1010, 4-6=-2780/0

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) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-3-12 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; Pr=20.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=40.0 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
- 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) This truss is designed in accordance with the 2018 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34
- has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss. 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
 - Vert: 1-6=-20
 - Trapezoidal Loads (plf)
- Vert: 1=-340(F=-240)-to-5=-100

2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00





Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO	
					R81680703	
Q230973	A3	Monopitch	65	1		
					Job Reference (optional)	
Alpine Truss, Montrose, CO - 81401, 8.730 s Mar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40:48 20						

Alpine Truss, Montrose, CO - 81401,

	OAD CASE(S) Stondard
-	OAD CASE(S) Standard Uniform Loads (plf)
	Vert: 1-6=-20
	Trapezoidal Loads (plf)
	Vert: 1=-300(F=-240)-to-5=-60
3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
	Uniform Loads (plf)
	Vert: 1-6=-20 Trapezoidal Loads (plf)
	Vert: 1=-290(F=-240)-to-5=-50
4) Dead + 0.75 Snow (balanced): Lumber Increase=1.00, Plate Increase=1.00
	Uniform Loads (plf)
	Vert: 1-6=-20
	Trapezoidal Loads (plf)
_	Vert: 1=-320(F=-240)-to-5=-80
5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
	Vert: 1-6=-20
	Trapezoidal Loads (plf)
	Vert: 1=-320(F=-240)-to-9=-225(F=-145), 9=-255(F=-145)-to-5=-110
6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.00, Plate Increase=1.00
	Uniform Loads (plf)
	Vert: 1-6=-20
	Trapezoidal Loads (plf) Vert: 1=-278(F=-240)-to-5=-38
7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
•	Uniform Loads (plf)
	Vert: 1-6=-40
	Trapezoidal Loads (plf)
	Vert: 1=-260(F=-240)-to-5=-20
8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf) Vert: 1-6=-12
	Horz: 1-8=-36, 5-8=-23, 5-6=24
	Trapezoidal Loads (plf)
	Vert: 1=-216(F=-240)-to-8=-172(F=-196), 8=-185(F=-196)-to-5=11
9) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-12 Horz: 1-10=-23, 5-10=-36, 5-6=-16
	Trapezoidal Loads (plf)
	Vert: 1=-229(F=-240)-to-10=-33(F=-44), 10=-20(F=-44)-to-5=24
1	0) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=9, 5-6=17
	Trapezoidal Loads (plf) Vert: 1=-269(F=-240)-to-5=-29
1	1) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=9, 5-6=-22
	Trapezoidal Loads (plf)
1	Vert: 1=-269(F=-240)-to-5=-29 2) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-12
	Horz: 1-5=-24, 5-6=13
	Trapezoidal Loads (plf)
	Vert: 1=-228(F=-240)-to-5=12
1	 Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)
	Vert: 1-6=-12
	Horz: 1-5=-15, 5-6=-10
	Trapezoidal Loads (plf)
	Vert: 1=-237(F=-240)-to-5=3
1	4) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf) Vert: 1-6=-20
	Vert: 1-b=-20 Horz: 1-5=-17, 5-6=6
	Trapezoidal Loads (plf)
	Vert: 1=-243(F=-240)-to-5=-3
1	5) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-20 Horz: 1-58 5-617

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Horz: 1-5=-8, 5-6=-17

Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO	
					R81680703	
Q230973	A3	Monopitch	65	1		
					Job Reference (optional)	
Alpine Truss, Montrose, CO - 81401, 8.730 s Mar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40:48 2024 Page						

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Alpine Truss, Montrose, CO - 81401,

LOA	AD CASE(S) Standard
	Trapezoidal Loads (plf)
16)	Vert: 1=-252(F=-240)-to-5=-12 Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33
10)	Uniform Loads (plf)
	Vert: 1-6=-12
	Horz: 1-5=-24, 5-6=12
	Trapezoidal Loads (plf)
47)	Vert: 1=-228(F=-240)-to-5=12
17)	Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)
	Vert: 1-6=-12
	Horz: 1-5=-13, 5-6=-8
	Trapezoidal Loads (plf)
	Vert: 1=-239(F=-240)-to-5=1
18)	Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf) Vert: 1-6=-12
	Hor: 1-5=-17, 5-6=9
	Trapezoidal Loads (plf)
	Vert: 1=-235(F=-240)-to-5=5
19)	Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (pf)
	Vert: 1-6=-12 Horz: 1-5=-10, 5-6=-4
	Trapezoidal Loads (plf)
	Vert: 1=-242(F=-240)-to-5=-2
20)	Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=-17, 5-6=5 Trapezoidal Loads (plf)
	Vert: 1=-243(F=-240)-to-5=-3
21)	Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.33, Plate Increase=1.33
,	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=-7, 5-6=-15
	Trapezoidal Loads (plf) Vert: 1=-253(F=-240)-to-5=-13
22)	Dead + Snow (Unbal. Left): Lumber Increase=1.00, Plate Increase=1.00
,	Uniform Loads (plf)
	Vert: 1-6=-20
	Trapezoidal Loads (plf)
22)	Vert: 1=-340(F=-240)-to-9=-245(F=-145), 9=-285(F=-145)-to-5=-140
23)	Dead + Snow (Unbal. Right): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)
	Vert: 1-6=-20
	Trapezoidal Loads (plf)
	Vert: 1=-284(F=-240)-to-5=-44
24)	Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
	Uniform Loads (plf) Vert: 1-6=-20
	Trapezoidal Loads (plf)
	Vert: 1=-260(F=-240)-to-5=-20
25)	Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33, Plate Increase=1.33
	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=-13, 5-6=4 Tranazoidal Loads (olf)
	Trapezoidal Loads (plf) Vert: 1=-307(F=-240)-to-5=-67
26)	Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33, Plate Increase=1.33
- /	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=-6, 5-6=-12
	Trapezoidal Loads (plf)
27)	Vert: 1=-314(F=-240)-to-5=-74 Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.33, Plate Increase=1.33
21)	Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=-13, 5-6=4
	Trapezoidal Loads (plf)
202	Vert: 1=-307(F=-240)-to-5=-67
28)	Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.33, Plate Increase=1.33 Uniform Loads (plf)
	Vert: 1-6=-20
	Horz: 1-5=-5, 5-6=-11

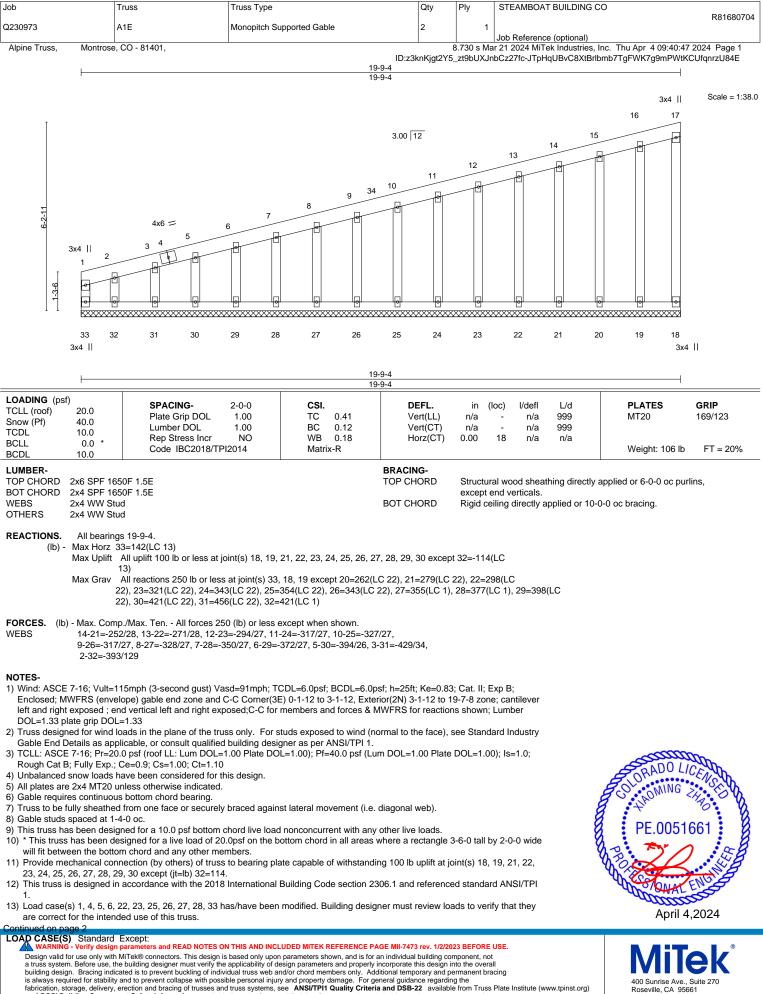


Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO
					R81680703
Q230973	A3	Monopitch	65	1	
					Job Reference (optional)
Alpine Truss, Montrose, CO - 81401, 8.730 s Mar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40:48 2024 Page 4					

Montrose, CO - 81401, Alpine Truss,

Alpine Truss,	Montrose, CO - 81401,	8.730 S Mar 21 2024 Millek industries, inc. Thu Apr 4 09:40:48 2024 Page 4 ID:z3knKjgt2Y5_zt9bUXJnbCz27fc-nfNf1qCYzRfkp?KoKleiCT3U74IU8pkUQ8PNJHzU84D
LOAD CASE(S) Standard	
Trapezoida	l Loads (plf)	
Ve	rt: 1=-315(F=-240)-to-5=-75	
,	5 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.33,	Plate Increase=1.33
Uniform Loa		
	rt: 1-6=-20	
	rz: 1-5=-13, 5-6=4	
Trapezoida		
	rt: 1=-277(F=-240)-to-5=-37	
	5 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.33	3, Plate Increase=1.33
Uniform Loa		
	rt: 1-6=-20	
	rz: 1-5=-6, 5-6=-12	
Trapezoida		
	rt: 1=-284(F=-240)-to-5=-44 5 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increas	a 1.22 Diata Inaragaa 1.22
Uniform Loa		e=1.55, Plate Increase=1.55
	rt: 1-6=-20	
	rz: 1-5=-13, 5-6=4	
Trapezoida		
	rt: 1=-277(F=-240)-to-5=-37	
	5 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increas	e=1.33. Plate Increase=1.33
Uniform Loa		,
Ve	rt: 1-6=-20	
Ho	rz: 1-5=-5, 5-6=-11	
Trapezoida	l Loads (plf)	
	rt: 1=-285(F=-240)-to-5=-45	
	C-C Wind Min. Down: Lumber Increase=1.33, Plate Increase=1.33	
Uniform Loa		
	rt: 1-6=-12	
	rz: 1-5=16, 5-6=16	
Trapezoida		
	rt: 1=-268(F=-240)-to-5=-28	
,	C-C Wind Min. Upward: Lumber Increase=1.33, Plate Increase=1.33	
Uniform Loa	ads (pii) rt: 1-6=-12	
	rz: 1-5=-12 rz: 1-5=-16, 5-6=16	
Trapezoida		
	rt: 1=-236(F=-240)-to-5=4	
ve		



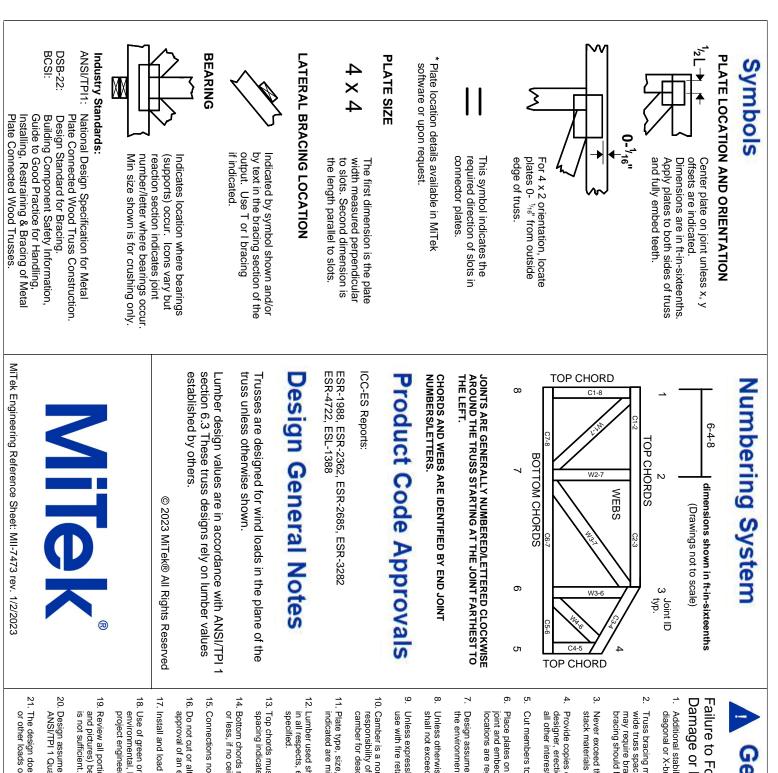


and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	STEAMBOAT BUILDING CO				
Q230973	A1E	Monopitch Supported Gable	2	1		R81680704			
			-		Job Reference (optional)				
Alpine Truss, Montrose, CO - 81401, 8.730 s Mar 21 2024 MiTek Industries, Inc. Thu Apr 4 09:40:47 2024 Pag ID:z3knKjgt2Y5_zt9bUXJnbCz27fc-JTpHqUBvC8XtBrlbmb7TgFWK7g9mPWtKCUfqnrzU8									
			12.20kmkggt2 ft	5_210507101		1 111100141120042			
 LOAD CASE(S) Standar Dead + Snow (balance 		00 Plata Increase-1.00							
Uniform Loads (plf)	u). Lumber increase=1.	00, Flate Increase=1.00							
Vert: 18-33=-2									
Trapezoidal Loads (plf) Vert: 1=-340-to									
		se=1.00, Plate Increase=1.00							
Uniform Loads (plf)									
Vert: 18-33=-2 Trapezoidal Loads (plf)									
Vert: 1=-239-to									
	bal. Left): Lumber Incre	ase=1.00, Plate Increase=1.00							
Uniform Loads (plf) Vert: 18-33=-2	0								
Trapezoidal Loads (plf)	1								
	0-34=-160, 34=-190-to-								
Uniform Loads (plf)	bai. Right): Lumber Inci	rease=1.00, Plate Increase=1.00							
Vert: 18-33=-2									
Trapezoidal Loads (plf) Vert: 1=-197-to									
		=1.00, Plate Increase=1.00							
Uniform Loads (plf)	, 								
-=Vert: 18-33 Trapezoidal Loads (pl									
· · ·		-17=-140							
	Right): Lumber Increase	e=1.00, Plate Increase=1.00							
Uniform Loads (plf) Vert: 18-33=-	.20								
Trapezoidal Loads (pl									
Vert: 1=-284-									
Uniform Loads (plf)	al.) + 0.75(0.6 MWFRS	Wind (Neg. Int) Left): Lumber Increase=1.3	3, Plate Increase=1	.33					
Vert: 18-33=-	-20								
	2, 1-17=-13, 17-18=4								
Trapezoidal Loads (pl Vert: 1=-226-									
		Wind (Neg. Int) Right): Lumber Increase=1	.33, Plate Increase	=1.33					
Uniform Loads (plf) Vert: 18-33=-	20								
	4, 1-17=-6, 17-18=-12								
Trapezoidal Loads (pl	lf)								
Vert: 1=-233- 27) Dead + 0.75 Spow (b)		Wind (Neg. Int) 1st Parallel): Lumber Increa	asa-1.33 Plate Inc	rease_1 3'	3				
Uniform Loads (plf)		Wind (Neg. int) 13th analog. Europer indica	130–1.00, 1 late me	10030-1.0					
Vert: 18-33=-									
Horz: 1-33=1 Trapezoidal Loads (pl	1, 1-17=-13, 17-18=4								
Vert: 1=-226-									
	al.) + 0.75(0.6 MWFRS	Wind (Neg. Int) 2nd Parallel): Lumber Incre	ease=1.33, Plate Inc	crease=1.3	33				
Uniform Loads (plf) Vert: 18-33=-	-20								
	4, 1-17=-5, 17-18=-11								
Trapezoidal Loads (pl									
Vert: 1=-234- 33) Dead + Minimum Sno		00, Plate Increase=1.00							
Uniform Loads (plf)									
Vert: 18-33=-									
Trapezoidal Loads (pl Vert: 1=-300-									





General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- 1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor1 bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- 5. Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.