

RE: 2684908 Summit/67 Woodside

## Site Information:

Customer: Project Name: 2684908 Lot/Block: Address: City:

Model: Subdivision: State: MiTek USA, Inc. 16023 Swingley Ridge Rd Chesterfield, MO 63017 314-434-1200



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

Design Code: IRC2018/TPI2014 Wind Code: N/A Roof Load: 45.0 psf Design Program: MiTek 20/20 8.2 Wind Speed: 115 mph Floor Load: N/A psf

This package includes 41 individual, dated Truss Design Drawings and 0 Additional Drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	143520189	A1	2/25/2021	21	143520209	C3	2/25/2021
2	143520190	A2A	2/25/2021	22	l43520210	C4	2/25/2021
3	143520191	A2B	2/25/2021	23	l43520211	D1	2/25/2021
4	143520192	A2C	2/25/2021	24	l43520212	D2	2/25/2021
5	I43520193	A2D	2/25/2021	25	l43520213	D3	2/25/2021
6	143520194	A2E	2/25/2021	26	l43520214	GR1	2/25/2021
7	143520195	A2F	2/25/2021	27	l43520215	GR2	2/25/2021
8	143520196	A3	2/25/2021	28	l43520216	JD1	2/25/2021
9	143520197	A4	2/25/2021	29	143520217	JD2	2/25/2021
10	143520198	A5	2/25/2021	30	143520218	JD3	2/25/2021
11	143520199	A6	2/25/2021	31	143520219	LG1	2/25/2021
12	143520200	A7	2/25/2021	32	143520220	LG2	2/25/2021
13	143520201	A8	2/25/2021	33	143520221	LG3	2/25/2021
14	143520202	A9	2/25/2021	34	143520222	LG4	2/25/2021
15	143520203	A10	2/25/2021	35	143520223	M1	2/25/2021
16	143520204	A11	2/25/2021	36	143520224	M2	2/25/2021
17	143520205	A12	2/25/2021	37	143520225	M3	2/25/2021
18	143520206	A13	2/25/2021	38	143520226	M4	2/25/2021
19	143520207	C1	2/25/2021	39	143520227	P1	2/25/2021
20	143520208	C2	2/25/2021	40	143520228	P2	2/25/2021

The truss drawing(s) referenced above have been prepared by

MiTek USA, Inc under my direct supervision

based on the parameters provided by Builders FirstSource (Valley Center).

Truss Design Engineer's Name: Sevier, Scott

My license renewal date for the state of Missouri is December 31, 2021. Missouri COA: 001193

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. Any project specific information included is for MiTek customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.



February 25, 2021

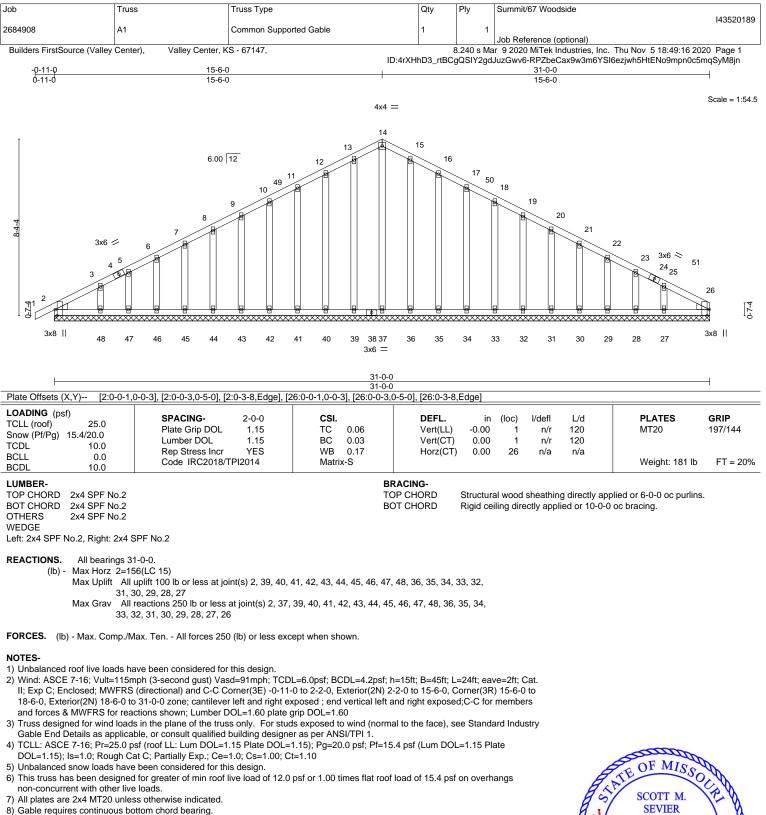


RE: 2684908 - Summit/67 Woodside

# Site Information:

Lot/B Addre	lock:	Project Name: 26	684908	Subdivision: State:
No.	Seal#	Truss Name	Date	
41	I43520229	P3	2/25/2021	

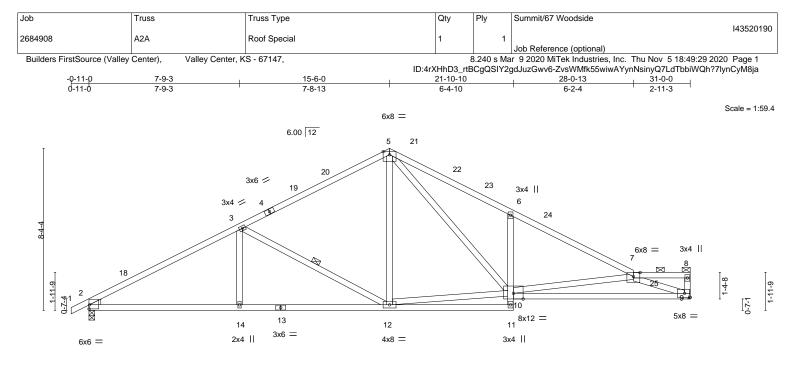
MiTek USA, Inc. 16023 Swingley Ridge Rd Chesterfield, MO 63017 314-434-1200



- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27,
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and 12) referenced standard ANSI/TPI 1.







L		15-6-0	21-10-10	28-0-13	31-0-0	
	7-9-3	7-8-13	6-4-10	6-2-4	2-11-3	
Plate Offsets (X,Y) [2:Edge	e,0-2-9], [2:0-5-0,0-0-3], [2:0-0-3,0-0-1],	[7:0-4-0,0-2-8]			I	
LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 20.4/20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014	<b>CSI.</b> TC 0.70 BC 0.95 WB 0.72 Matrix-AS	DEFL.         in           Vert(LL)         -0.20           Vert(CT)         -0.46           Horz(CT)         0.11	(loc) l/defl L/d 9-10 >999 240 9-10 >803 180 9 n/a n/a	PLATES         GRIP           MT20         197/14           Weight: 133 lb         FT =	44 = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2		-	2-0-0 oc	purlins (6-0-0 max.): 7-8. iling directly applied.	blied, except end verticals, and	I
Max Horz 2= Max Uplift 9= Max Grav 9= FORCES. (lb) - Max. Comp./ TOP CHORD 2-3=-2369/2 BOT CHORD 2-14=-251/2 WEBS 3-14=0/293,	Mechanical, 2=0-3-8 169(LC 15) -113(LC 16), 2=-141(LC 16) 1387(LC 2), 2=1454(LC 2) /Max. Ten All forces 250 (lb) or less e: 90, 3-5=-1666/277, 5-6=-2437/404, 6-7= 021, 12-14=-251/2021, 6-10=-589/174, 3-12=-772/155, 5-12=-8/444, 10-12=-49 95, 7-9=-3157/487	=-2463/305 9-10=-423/3085				
<ol> <li>Wind: ASCE 7-16; Vult=115 II; Exp C; Enclosed; MWFR 18-6-0, Interior(1) 18-6-0 to forces &amp; MWFRS for reaction 3) TCLL: ASCE 7-16; Pr=25.0 DOL=1.15); Is=1.0; Rough surcharge applied to all exp 4) Unbalanced snow loads har 5) This truss has been design non-concurrent with other li 6) Provide adequate drainage</li> </ol>		11-0 to 2-1-0, Interior(1) 2 xposed ; end vertical left b DOL=1.60 =1.15); Pg=20.0 psf; Pf=2 Ct=1.10, Lu=50-0-0; Min. 00/12 in accordance with 0 psf or 1.00 times flat ro	2-1-0 to 15-6-0, Exterior(2R) and right exposed;C-C for r 20.4 psf (Lum DOL=1.15 Pl flat roof snow load governs IBC 1608.3.4. of load of 15.4 psf on overh	15-6-0 to nembers and ate	SCOTT M. SEVIER	

- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) Refer to girder(s) for truss to truss connections.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=113, 2=141.

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum 11) sheetrock be applied directly to the bottom chord.

12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

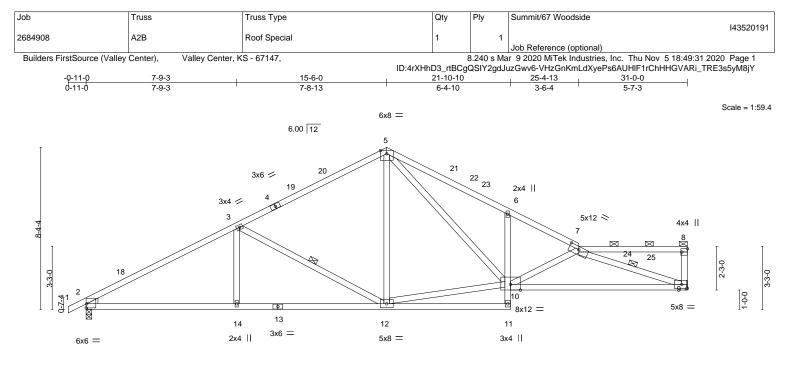
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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/TP11** Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



PE-2001018807

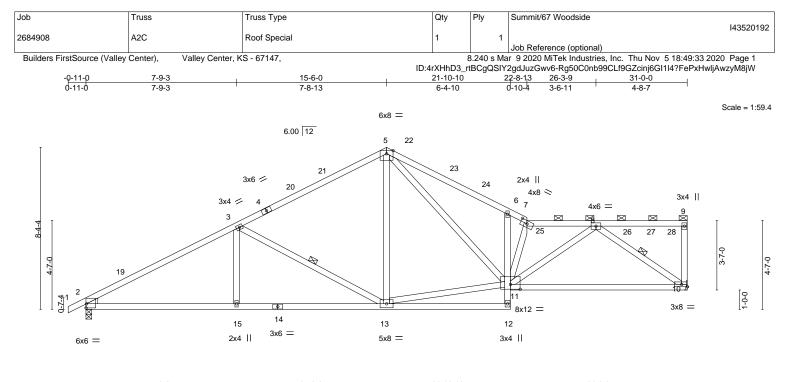
E

C



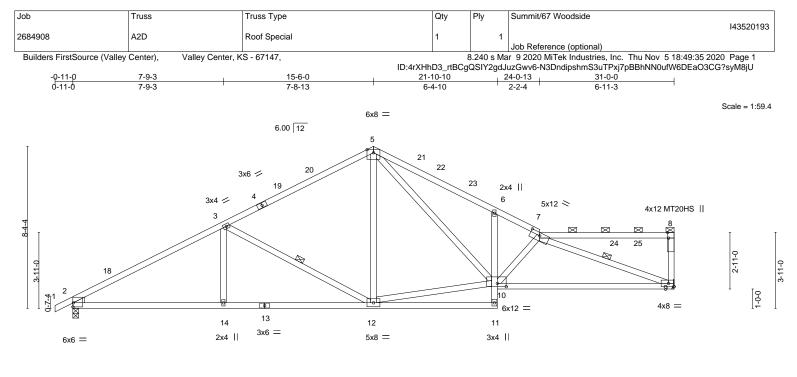
	7-9-3 7-9-3	15-6-0 7-8-13	<u>21-10-10</u> 6-4-10		25-4-13 3-6-4		31-0-0 5-7-3	
Plate Offsets (X,Y) [2:Edge,	<u></u>				3-0-4		5-7-5	
LOADING (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         20.4/20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	<b>CSI.</b> TC 0.69 BC 0.92 WB 0.60 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.21 -0.48	(loc) l/de 9-10 >99 9-10 >77 9 n	9 240 7 180	PLATES MT20 Weight: 134 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2	1	-	BRACING- TOP CHORD BOT CHORD WEBS	2-0-0 oc	purlins (6-0- ing directly a	0 max.): 7-8.		als, and
Max Horz 2=1 Max Uplift 9=-1	lechanical, 2=0-3-8 79(LC 15) 13(LC 16), 2=-140(LC 16) 387(LC 2), 2=1454(LC 2)							
TOP CHORD         2-3=-2368/28           BOT CHORD         2-14=-295/20           WEBS         3-14=0/292, 3	Max. Ten All forces 250 (lb) or le 9, 3-5=-1668/277, 5-6=-2657/420, 20, 12-14=-295/2020, 6-10=-453/ -12=-771/155, 5-12=-0/386, 10-12 5, 7-9=-3094/424	6-7=-2662/322, 8-9=-258/60 38, 9-10=-414/3048	,					
<ol> <li>Wind: ASCE 7-16; Vult=115r II; Exp C; Enclosed; MWFRS 18-6-0, Interior(1) 18-6-0 to 3 forces &amp; MWFRS for reactior</li> <li>TCLL: ASCE 7-16; Pr=25.0 p DOL=1.15); Is=1.0; Rough C surcharge applied to all expo 4) Unbalanced snow loads have 5) This truss has been designed non-concurrent with other live 6) Provide adequate drainage to 7) This truss has been designed non-concurrent with other live 6) Provide adequate drainage to 7) This truss has been designed 8 Refer to girder(s) for truss to 9) Provide mechanical connecti 9=113, 2=140.</li> <li>This truss is designed in ac referenced standard ANSI/7</li> <li>This truss design requires ti sheetrock be applied directli</li> </ol>	b prevent water ponding. If for a 10.0 psf bottom chord live l truss connections. on (by others) of truss to bearing cordance with the 2018 Internatio TPI 1. hat a minimum of 7/16" structural	; TCDL=6.0psf; BCDL=4.2psf -0-11-0 to 2-1-0, Interior(1) 2 ght exposed ; end vertical left : grip DOL=1.60 DOL=1.15); Pg=20.0 psf; Pf=2 .00; Ct=1.10, Lu=50-0-0; Min. 1 0.500/12 in accordance with f 12.0 psf or 1.00 times flat roo bad nonconcurrent with any of blate capable of withstanding that hal Residential Code sections wood sheathing be applied dir	2-1-0 to 15-6-0, Exi and right exposed 20.4 psf (Lum DOL flat roof snow load IBC 1608.3.4. of load of 15.4 psf ther live loads. 100 lb uplift at join R502.11.1 and R8 rectly to the top che	erior(2R) C-C for m =1.15 Pla J governs. on overha c(s) except 02.10.2 a ord and 1/	15-6-0 to nembers and te Rain angs t (jt=lb) nd 2" gypsum		SCOTT M. SEVIER NUMBER PE-2001018807 November 6,20	meet .

16023 Swingley Ridge Rd Chesterfield, MO 63017



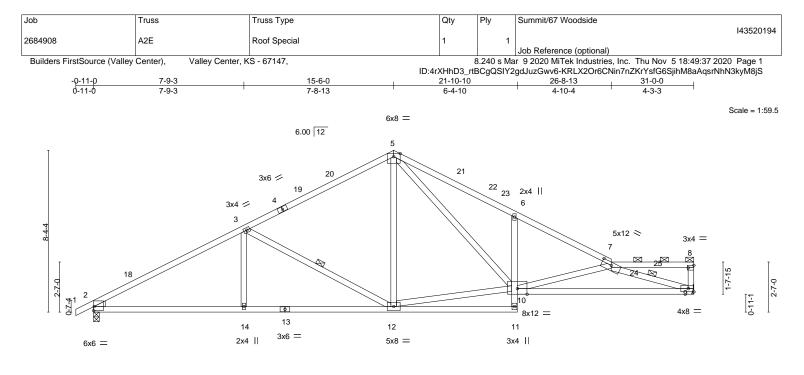
<b> </b>	7-9-3	15-6-0 7-8-13	<u>21-10-10</u> 6-4-10		<u>31-0-0</u> 9-1-6		
Plate Offsets (X,Y) [2:Edge,	0-2-9], [2:0-5-0,0-0-3], [2:0-0-3,0-0-1]						
LOADING (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         20.4/20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.69 BC 0.71 WB 0.36 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.21 10-11 -0.46 10-11 0.09 10	l/defl L/d >999 240 >805 180 n/a n/a	PLATES MT20 Weight: 140 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2	·	Т	RACING- OP CHORD OT CHORD VEBS		(3-4-10 max.): 7-9. ectly applied.	oplied, except end vertio	cals, and
Max Horz 2=2 Max Uplift 10≕	Mechanical, 2=0-3-8 00(LC 15) -114(LC 16), 2=-139(LC 16) 1387(LC 2), 2=1454(LC 2)						
TOP CHORD         2-3=-2368/29           BOT CHORD         2-15=-342/20           WEBS         3-15=0/292, 3	Max. Ten All forces 250 (lb) or less 6 0, 3-5=-1667/277, 5-6=-2667/423, 6-7 20, 13-15=-342/2020, 6-11=-493/152 1-13=-771/156, 5-13=-1/386, 11-13=-1 30, 8-11=-124/1296, 8-10=-1954/292	7=-2596/312, 7-8=-2692/329 , 10-11=-256/1639 69/1296, 5-11=-209/1401,	9				
<ol> <li>2) Wind: ASCE 7-16; Vult=115r II; Exp C; Enclosed; MWFRS 18-6-0, Interior(1) 18-6-0 to 3 forces &amp; MWFRS for reaction</li> <li>3) TCLL: ASCE 7-16; Pr=25.0 p DOL=1.15); Is=1.0; Rough C surcharge applied to all export 4) Unbalanced snow loads have 5) This truss has been designed non-concurrent with other live 6) Provide adequate drainage to 7) This truss has been designed non-concurrent with other live 6) Provide adequate drainage to 7) This truss has been designed 8 Refer to girder(s) for truss to 9) Provide mechanical connectif 10=114, 2=139.</li> <li>10) This truss is design ed in ac referenced standard ANSI/ 11) This truss design requires t sheetrock be applied directif</li> </ol>	o prevent water ponding. d for a 10.0 psf bottom chord live load truss connections. ion (by others) of truss to bearing plat cordance with the 2018 International TPI 1. hat a minimum of 7/16" structural woo	-11-0 to 2-1-0, Interior(1) 2- exposed ; end vertical left a ip DDL=1.60 L=1.15); Pg=20.0 psf; Pf=2 ; Ct=1.10, Lu=50-0-0; Min. 1 500/12 in accordance with I 2.0 psf or 1.00 times flat roo nonconcurrent with any oth e capable of withstanding 1 Residential Code sections I od sheathing be applied dire	1-0 to 15-6-0, Exi and right exposed 0.4 psf (Lum DOL flat roof snow load BC 1608.3.4. of load of 15.4 psf her live loads. 00 lb uplift at join R502.11.1 and R8 extly to the top che	erior(2R) 15-6-0 C-C for member =1.15 Plate d governs. Rain on overhangs c(s) except (jt=lb) 02.10.2 and ord and 1/2" gyp	to is and	November 6,20	A LEAD





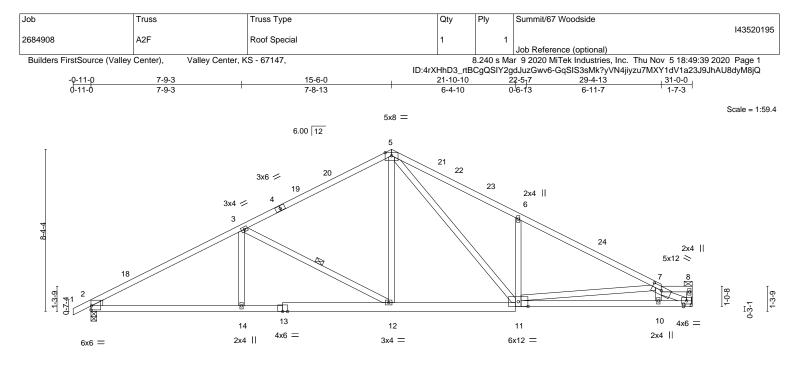
	7-9		<u> </u>			<u>21-10-10</u> 6-4-10		4-0-13		<u>31-0-0</u> 6-11-3		
Plate Offsets		)-2-9], [2:0-5-0,0-0-3], [2			4], [8:0-3-8					0110		
LOADING (p TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	25.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/T	2-0-0 1.15 1.15 YES PI2014	CSI. TC BC WB Matr	0.70 0.85 0.76 x-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.21 -0.47 0.11	(loc) 9-10 9-10 9	l/defl >999 >784 n/a	L/d 240 180 n/a	PLATES MT20 MT20HS Weight: 136 lb	<b>GRIP</b> 197/144 148/108 FT = 20%
LUMBER- TOP CHORD BOT CHORD WEBS WEDGE Left: 2x4 SPF	<ul> <li>2x4 SPF No.2</li> <li>2x4 SPF No.2</li> <li>2x4 SPF No.2</li> <li>2x4 SPF No.2</li> </ul>					BOT CHORD	2-0-0 oc	purlins iling dire		ax.): 7-8.	ed, except end vertic	als, and
REACTIONS	Max Horz 2=18 Max Uplift 9=-1	echanical, 2=0-3-8 9(LC 15) 14(LC 16), 2=-139(LC 1 87(LC 2), 2=1454(LC 2)										
FORCES. ( TOP CHORE BOT CHORE WEBS	2-3=-2368/290 2-14=-319/202 3-14=0/292, 3-	ax. Ten All forces 250 ), 3-5=-1668/277, 5-6=-2 (0, 12-14=-319/2020, 6- 12=-770/155, 5-12=-0/3 ), 7-9=-2817/376	653/420, 6-7=-2 10=-386/113, 9-	2658/325, 8 10=-378/27	-9=-306/71 49							
<ol> <li>Wind: ASC II; Exp C; I 18-6-0, Int forces &amp; M</li> <li>TCLL: ASC DOL=1.15 surcharge</li> <li>Unbalance</li> <li>This truss non-concu</li> <li>Provide ac</li> <li>This truss</li> <li>Refer to gi</li> <li>Provide to gi</li> <li>Provide truss no - 200</li> <li>Provide truss</li> <li>This truss</li> <li>This truss</li> <li>This truss reference</li> </ol>	CE 7-16; Vult=115m Enclosed; MWFRS terior(1) 18-6-0 to 3 4WFRS for reaction CC 7-16; Pr=25.0 pc 5); Is=1.0; Rough C2 e applied to all expose ed snow loads have has been designed urrent with other live dequate drainage to are MT20 plates uni- has been designed irder(s) for truss to t mechanical connect 2=139. s is designed in acce ed standard ANSI/T	prevent water ponding. less otherwise indicated for a 10.0 psf bottom ch rruss connections. ion (by others) of truss t cordance with the 2018 I	d=91mph; TCDI tterior(2E) -0-11 eft and right exp 1.60 plate grip E 15 Plate DOL=1 1.0; Cs=1.00; Ct less than 0.500 s design. ve load of 12.0	-0 to 2-1-0, posed ; end ODL=1.60 1.15); Pg=21 =1.10, Lu=4 psf or 1.00 psf or 1.00 nconcurren capable of v sidential Co	Interior(1) vertical left 0.0 psf; Pf= 50-0-0; Miri dance with times flat ro t with any o withstandin de sections	2-1-0 to 15-6-0, Ext t and right exposed; -20.4 psf (Lum DOL- 1. flat roof snow load n IBC 1608.3.4. bof load of 15.4 psf of other live loads. g 100 lb uplift at joir s R502.11.1 and R8	erior(2R) C-C for n = 1.15 Pla I governs on overh: nt(s) exce 02.10.2 a	15-6-0 nember ate . Rain angs ept (jt=ll	to s and b)		TE OF MISS SCOTT M. SEVIER NUMBER PE-2001018807	LIN- KER





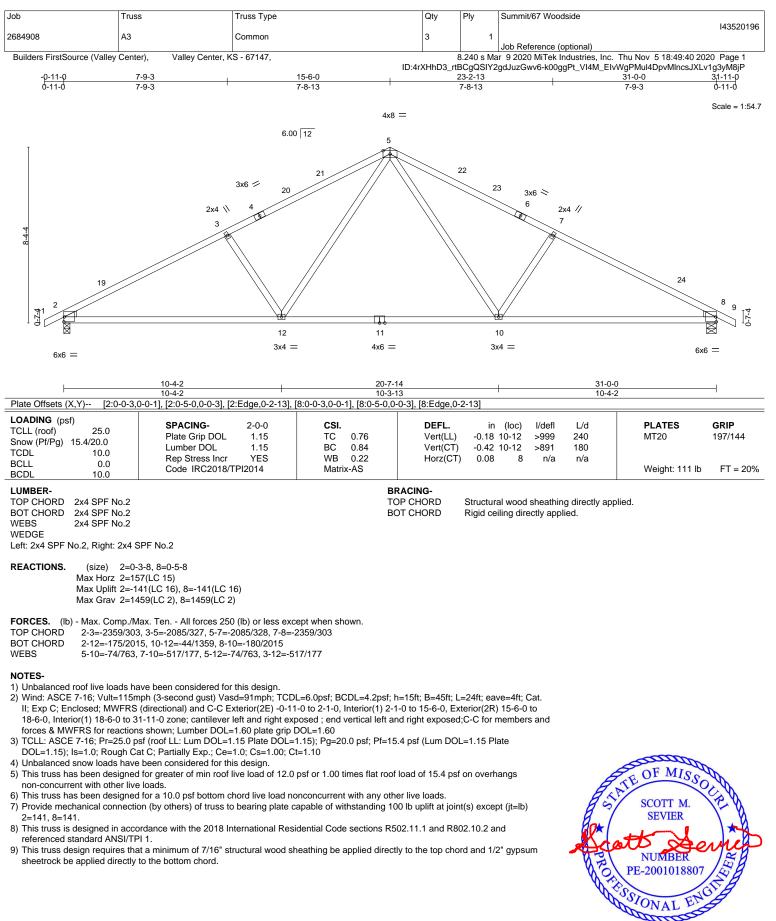
I	7-9-3 7-9-3	15-6-0 7-8-13	21-10-10 6-4-10		26-8-13 4-10-4		31-0-0 4-3-3	
Plate Offsets (X,Y) [2:Edge,0	0-2-9], [2:0-5-0,0-0-3], [2:0-0-3,0-0-1]							
LOADING         (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         20.4/20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.69 BC 0.71 WB 0.56 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.20 9-10 -0.46 9-10 0.12 9	l/defl >999 >805 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 133 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 *I 9-10: 2x4 SPF 1 WEBS 2x4 SPF No.2 WEDGE Left: 2x4 SPF No.2		T	BRACING- FOP CHORD 3OT CHORD WEBS	Structural wood 2-0-0 oc purlins Rigid ceiling dir 1 Row at midpt	(6-0-0 ma ectly appl	ax.): 7-8.	oplied, except end vertic	als, and
Max Horz 2=17 Max Uplift 9=-1 Max Grav 9=13	13(LC 16), 2=-140(LC 16) 387(LC 2), 2=1454(LC 2)							
TOP CHORD         2-3=-2368/290           BOT CHORD         2-14=-271/202           WEBS         3-14=0/292, 3	lax. Ten All forces 250 (lb) or less ( 0, 3-5=-1667/277, 5-6=-2617/418, 6-7 20, 12-14=-271/2020, 6-10=-520/157 -12=-771/155, 5-12=-2/398, 10-12=-5 05, 7-9=-3402/488	7=-2625/322 , 9-10=-458/3386						
<ol> <li>Wind: ASCE 7-16; Vult=115m II; Exp C; Enclosed; MWFRS 18-6-0, Interior(1) 18-6-0 to 3 forces &amp; MWFRS for reaction</li> <li>TCLL: ASCE 7-16; Pr=25.0 p DOL=1.15); Is=1.0; Rough Ca surcharge applied to all expose</li> <li>Unbalanced snow loads have</li> <li>This truss has been designed non-concurrent with other live</li> <li>Provide adequate drainage to</li> <li>This truss has been designed</li> <li>Refer to girder(s) for truss to 5</li> </ol>	o prevent water ponding. I for a 10.0 psf bottom chord live load	-11-0 to 2-1-0, Interior(1) 2 exposed ; end vertical left a ip DDL=1.60 L=1.15); Pg=20.0 psf; Pf=2 ; Ct=1.10, Lu=50-0-0; Min. 500/12 in accordance with 2.0 psf or 1.00 times flat roo	-1-0 to 15-6-0, Ex and right exposed 20.4 psf (Lum DOL flat roof snow load IBC 1608.3.4. of load of 15.4 psf ther live loads.	terior(2R) 15-6-0 ;C-C for member =1.15 Plate d governs. Rain on overhangs t(s) except (jt=lb)	to s and		THE OF MISS SCOTT M. SEVIER PE-2001018807	UN THE





Prise Offsets (XY)         [2:2:5:9:0:0-3], [2:0-3:0:0-1], [7:0:6:0:0-2:6]           UADING (pr) TOLL (prof)         25.0 (pr)         SPACINC-         2:0-0.0 (pr)         DEFL.         in (loc)         Videf         Ud           Mill (prof)         25.0 (pr)         SPACINC-         2:0-0.0 (pr)         DEFL.         in (loc)         Videf         Ud           Mill (pr)         20:0 (pr)         10:0         Code IRC2016/TP2014         No for 0.78 (pr)         Viet(ID         0.01 (pr)         Mill (pr)           UMBER-         0.0         Code IRC2016/TP2014         No for 0.78 (pr)         Viet(ID         0.01 (pr)         PLATES         GRIP           Mill (pr)         0.0         Code IRC2016/TP2014         No for 0.78 (pr)         Viet(ID         0.01 (pr)         Mill (pr)           UBDE         10:0         Code IRC2016/TP2014         No for 0.78 (pr)         Viet(ID         0.01 (pr)         Viet(ID         0.02 (pr)         Viet(ID </th <th></th> <th>7-9-3 7-9-3</th> <th>15-6-0 7-8-13</th> <th><u>21-10-10</u> 6-4-10</th> <th></th> <th>29-4-13 7-6-4</th> <th>31-0-0</th> <th></th>		7-9-3 7-9-3	15-6-0 7-8-13	<u>21-10-10</u> 6-4-10		29-4-13 7-6-4	31-0-0	
TCLL (root)         25.0         Practice         CSL         0.79         UserL         In (bb)         idea         Dia         Call         Dia           Sow (PIP)         1.15         BD         0.78         VertLU         -0.30         1.11         2989         240         Mit 20         197/144           SCLL         0.0         Lumber DOL         1.15         We dot         Matrix-AS         VertLU         -0.30         10-11         2989         100         Weight: 134 lb         FT = 20%           LUMBER         Code IRC2018/TPI2014         Matrix-AS         BRACING         TOP CHORD         24 SPF No.2         Weight: 134 lb         FT = 20%           WEBS         244 SPF No.2         BOT CHORD         Structural wood sheathing directly applied.         weight: and         2-0-0 op puties (6-0-0 max); 78.6         20.6         2-0-0 op puties (6-0-0 max); 78.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6         20.6	Plate Offsets (X,Y) [2:Edge,			0-4-10		7-0-4	1-7-3	
TOP CHORD       2x4 SPF No.2       TOP CHORD       Structural wood sheathing directly applied, except end verticals, and 2x4 SPF No.2         BOT CHORD       2x4 SPF No.2       BOT CHORD       WEBS       Structural wood sheathing directly applied, except end verticals, and 2x4 SPF No.2         WEBS       2x4 SPF No.2       BOT CHORD       New at midp       3-12         WEDGE       Left: 2x4 SPF No.2       NEW SP       No.2       No.2         REACTIONS       (size)       9-Mechanical, 2x-0-3-8       No.2       No.2       No.2         REACTIONS       (size)       9-Mechanical, 2x-0-3-8       No.2       No.2       No.2       No.2         FORCES       (lb)       Max Comp./Max. TenAll forces 250 (lb) or less except when shown.       No.2       <	TCLL (roof)         25.0           Snow (Pf/Pg)         20.4/20.0           TCDL         10.0           BCLL         0.0	Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	TC 0.79 BC 0.78 WB 0.63	Vert(LL) Vert(CT)	-0.14 10-11 -0.30 10-11	>999 240 >999 180	MT20	197/144
<ul> <li>Max Hoirz 2=167(LC 15) Max Grav 9=1387(LC 2), 2=1454(LC 2)</li> <li>FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown.</li> <li>TOP CHORD 2:3=2382/281, 35=-1671/277, 5:6=-2311/403, 6:7=-2308/288</li> <li>BOT CHORD 2:14=-2292/015, 12-14-2292/015, 10-11-2=92/180, 10-11=-282/2551, 9:10=-296/2537</li> <li>WEBS 5:12=-12/523, 6:11=-667/192, 5:11=-189/1120, 3:14=0/272, 3:12=-761/155, 7:10=0/250, 7:11=-676/84, 7:9=-2742/312</li> <li>NOTES- <ol> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7:16; Vult=115mph (3:second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II: Exp. C: Inclosed; MW/RFS (directional) and C-C Exterior(22) - 10-10 to 1:-0, Interior(1) 2:-10 to 15:6-0 to 18:6-0, Interior(1) 18:6-0 to 30:10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces &amp; MW/FRS (directional) and C-C Exterior(22) - 0:0012: In accordance with IBC 1600.3:.4.</li> <li>Unbalanced snow loads have been considered for this design.</li> <li>TCLL: ASCE 7:16; PT=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.00)</li> <li>TCLL: ASCE 7:16; PT=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Js=1.00; Ze=1.00, C=1.10, Lu=50-0: Min. Itat roof naw load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.5001/2 in accordance with IBC 1608.3.4.</li> <li>Unbalanced snow loads have been considered for this design.</li> <li>This truss has been designed for raeter of min roof live load nonconcurrent with any other live loads.</li> <li>Refer to girder(s) for truss to truss connections.</li> <li>Provide mechanical connection. (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (It=Ib) 9=112, 2=141.</li> <li>This truss is designed in a accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/FP1.</li> <li>This truss is designed in accordance with the 201</li></ol></li></ul>	TOP CHORD         2x4 SPF No.2           BOT CHORD         2x4 SPF No.2 *           11-13:         2x6 SPF           WEBS         2x4 SPF No.2           WEDGE         2x4 SPF No.2			TOP CHORD BOT CHORD	2-0-0 oc purlins Rigid ceiling dire	(6-0-0 max.): 7-8.	applied, except end vertion	cals, and
<ul> <li>TOP CHORD 2-3=-2362/291, 3-5=-1671/277, 5-6=-2311/403, 6-7=-2308/288</li> <li>BOT CHORD 2-14=-229/2016, 12-14=-229/2017, 11-12=-92/1380, 10-11=-282/2551, 9-10=-296/2537</li> <li>WEBS 5-12=-21/2523, 6-11=-667/192, 5-11=-189/1120, 3-14=0/272, 3-12=-761/155, 7-10=0/250, 7-11=-676/84, 7-9=-2742/312</li> <li><b>NOTES</b> <ol> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 15-6-0, Exterior(2R) 15-6-0 to 18-6-0, Interior(1) 18-6-0 to 30-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces &amp; MWFRS for reactions shown; Lumber DOL=1.60</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.60)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.60)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.60)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.60)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.00; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.</li> <li>Uhbalanced snow loads have been considered for this design.</li> <li>This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with hother live loads.</li> <li>Pervide adequate drainage to prevent water ponding.</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 9=112, 2=141.</li> <li>This truss is designed for a accordance</li></ol></li></ul>	Max Horz 2=16 Max Uplift 9=-1	67(LC 15) 12(LC 16), 2=-141(LC 16)						
<ul> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 15-6-0, Exterior(2R) 15-6-0 to 18-6-0, Interior(1) 18-6-0 to 30-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces &amp; MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15; I); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.</li> <li>4) Unbalanced snow loads have been considered for this design.</li> <li>5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.</li> <li>6) Provide adequate drainage to prevent water ponding.</li> <li>7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> <li>8) Refer to girder(s) for truss to truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=112, 2=141.</li> <li>10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1 1.</li> <li>11) This truss data a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" grosum</li> </ul>	TOP CHORD         2-3=-2362/29           BOT CHORD         2-14=-229/20           WEBS         5-12=-12/523,	1, 3-5=-1671/277, 5-6=-2311/403, 6- 16, 12-14=-229/2017, 11-12=-92/134 , 6-11=-667/192, 5-11=-189/1120, 3-	7=-2308/288 30, 10-11=-282/2551, 9-10=					
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.	<ol> <li>Unbalanced roof live loads ha</li> <li>Wind: ASCE 7-16; Vult=115n II; Exp C; Enclosed; MWFRS 18-6-0, Interior(1) 18-6-0 to 3 forces &amp; MWFRS for reactior</li> <li>TCLL: ASCE 7-16; Pr=25.0 p DOL=1.15); Is=1.0; Rough C surcharge applied to all expo 0 Unbalanced snow loads have</li> <li>This truss has been designed non-concurrent with other live</li> <li>Provide adequate drainage to</li> <li>This truss has been designed non-concurrent with other live</li> <li>Provide adequate drainage to</li> <li>This truss has been designed non-concurrent with other live</li> <li>Provide adequate drainage to</li> <li>This truss has been designed non-concurrent with other live</li> <li>Provide mechanical connecti 9=112, 2=141.</li> <li>This truss is design equires ti sheetrock be applied directl</li> </ol>	nph (3-second gust) Vasd=91mpi; T (directional) and C-C Exterior(2E) - 00-10-4 zone; cantilever left and righ is shown; Lumber DOL=1.60 plate g sis (roof LL: Lum DOL=1.15 Plate DO at C; Partially Exp.; Ce=1.0; Cs=1.0; sed surfaces with slopes less than C e been considered for this design. d for greater of min roof live load of 1 e loads. p prevent water ponding. d for a 10.0 psf bottom chord live load truss connections. on (by others) of truss to bearing plate cordance with the 2018 Internationa IPI 1. hat a minimum of 7/16" structural wor y to the bottom chord.	CDL=6.0psf; BCDL=4.2psf 0-11-0 to 2-1-0, Interior(1) 2 texposed ; end vertical left rip DOL=1.60 DL=1.15); Pg=20.0 psf; Pf=// D; Ct=1.10, Lu=50-0-0; Min. .500/12 in accordance with 2.0 psf or 1.00 times flat ro d nonconcurrent with any o te capable of withstanding Residential Code sections od sheathing be applied dir	20.4 psf (Lum DOI flat roof snow load IBC 1608.3.4. of load of 15.4 psf ther live loads. 100 lb uplift at join R502.11.1 and R8 ectly to the top ch	terior(2R) 15-6-0 ;C-C for member _=1.15 Plate d governs. Rain on overhangs t(s) except (jt=lb) 302.10.2 and ord and 1/2" gyps	to s and	SCOTT M. SEVIER	LINI HOUSE

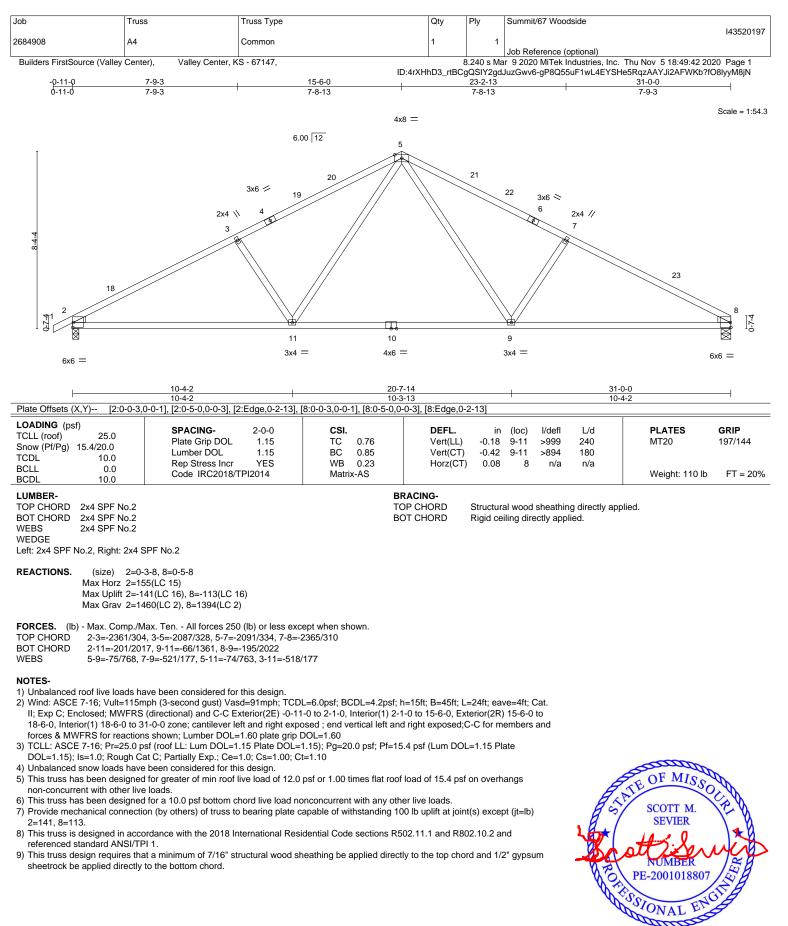
16023 Swingley Ridge Rd Chesterfield, MO 63017



November 6,2020



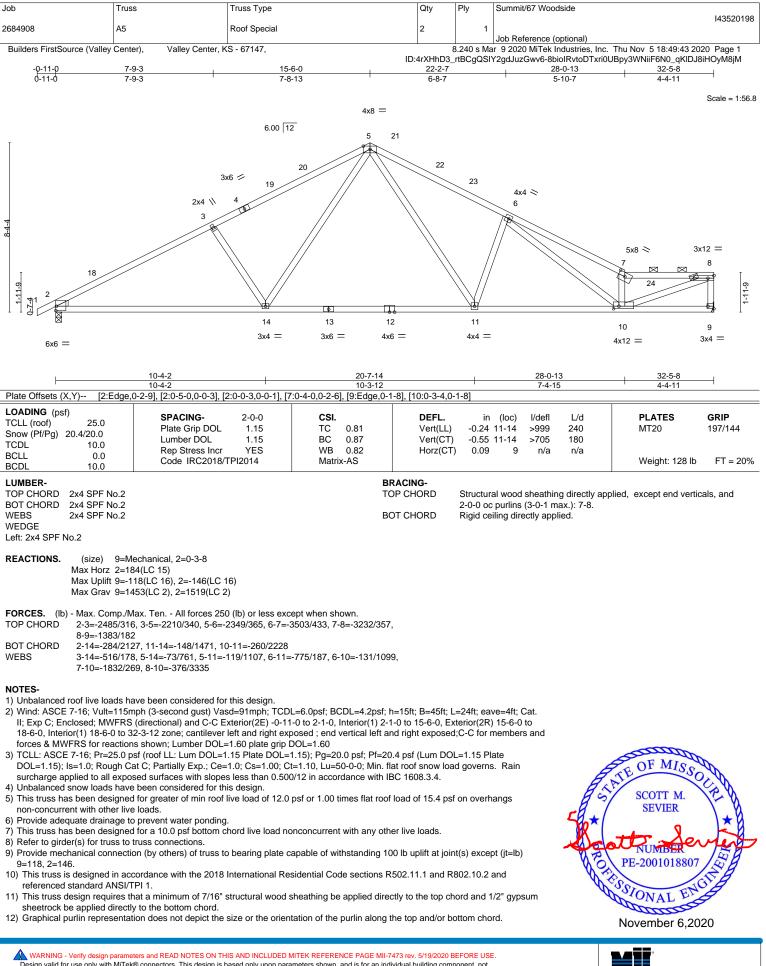
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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 system. See MSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



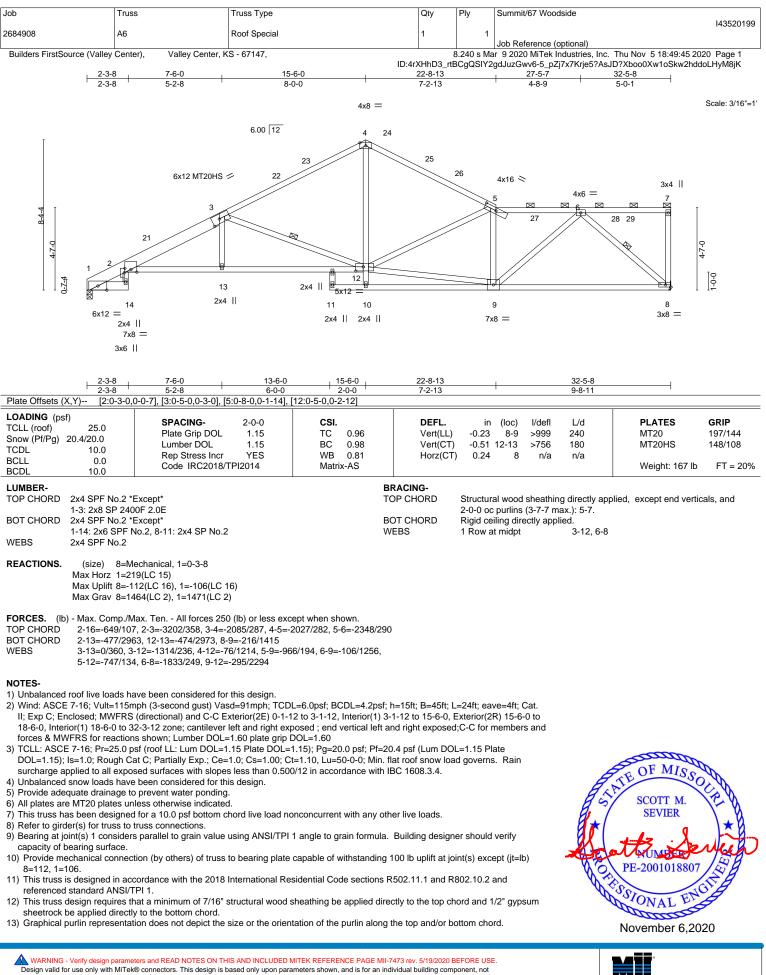
November 6,2020



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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 sand truss system. See **MSIVTPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

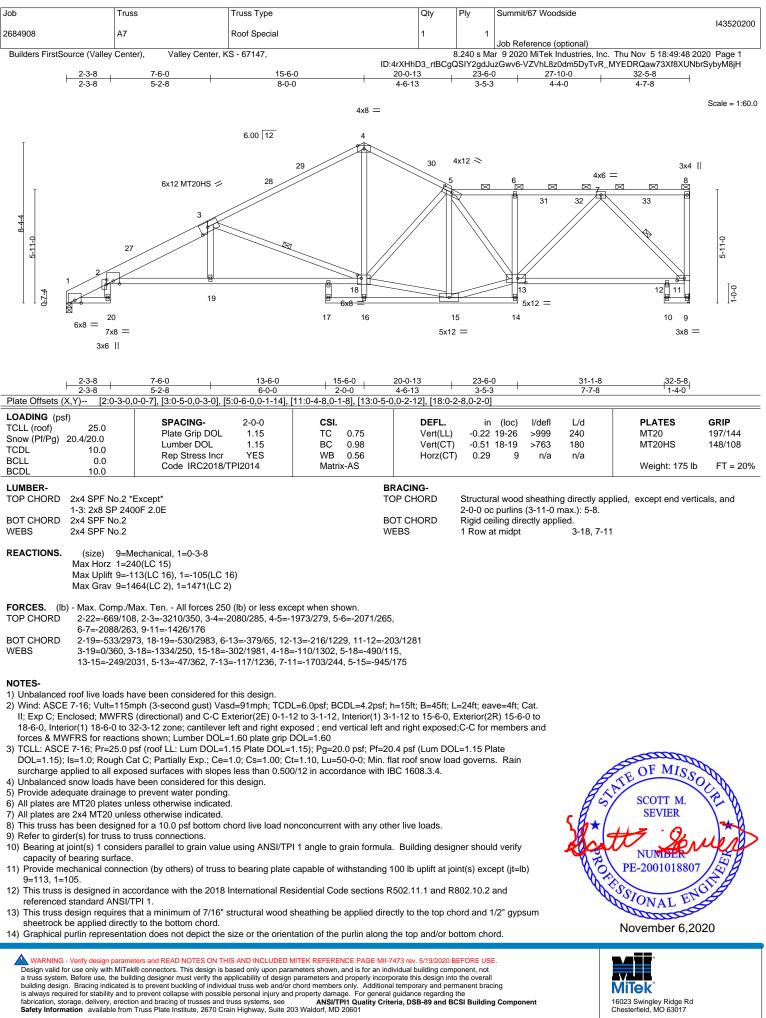


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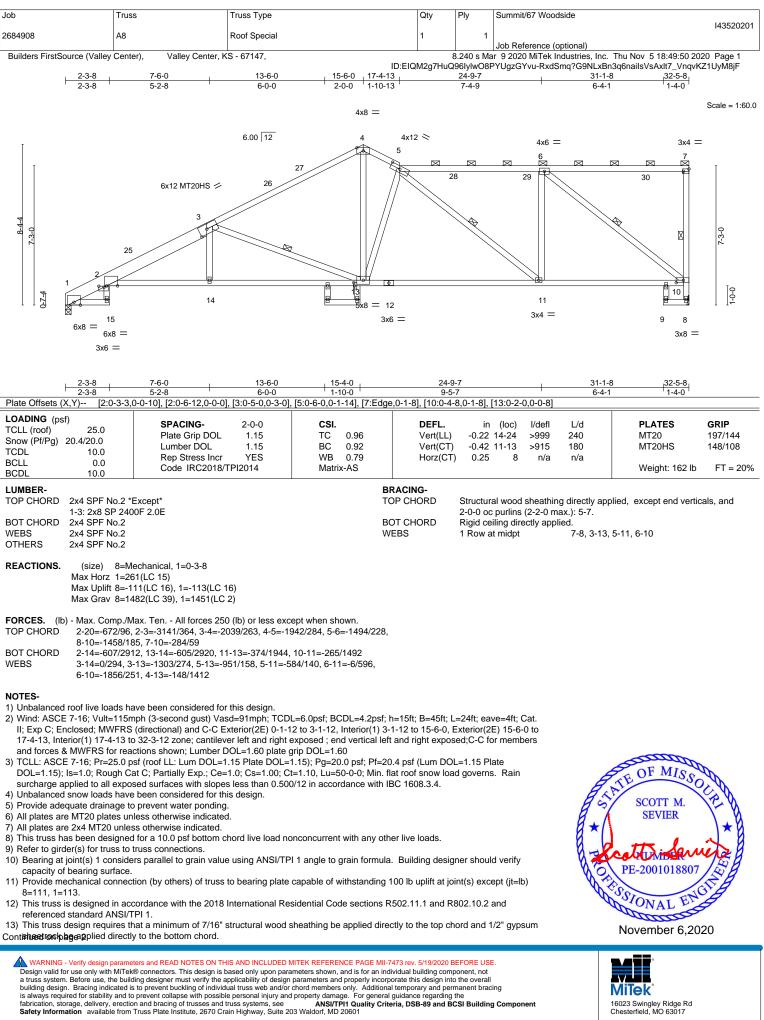


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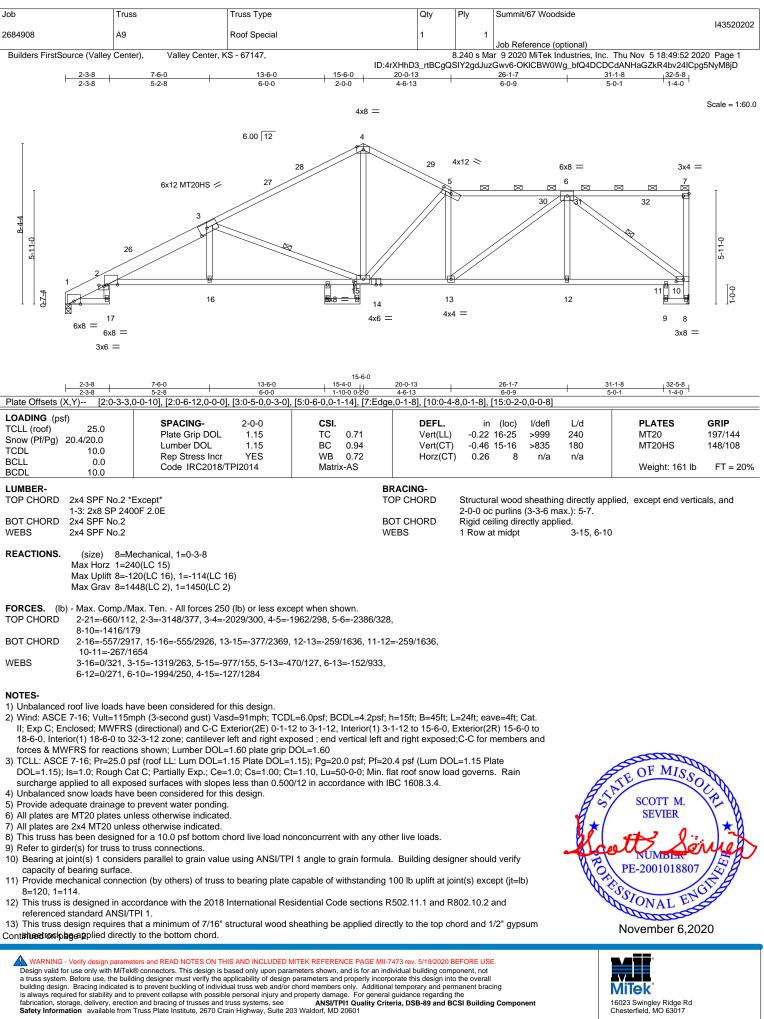
Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
2684908	A8	Roof Special	1	1	143520201
2004900	70		1	'	Job Reference (optional)
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,	8	3.240 s Ma	r 9 2020 MiTek Industries, Inc. Thu Nov 5 18:49:50 2020 Page 2
		ID:EIG	M2g7HuQ	96IylwO8F	YUgzGYvu-RxdSmq?G9NLxBn3q6nailsVsAxlt7_VnqvKZ1UyM8jF

## NOTES-

14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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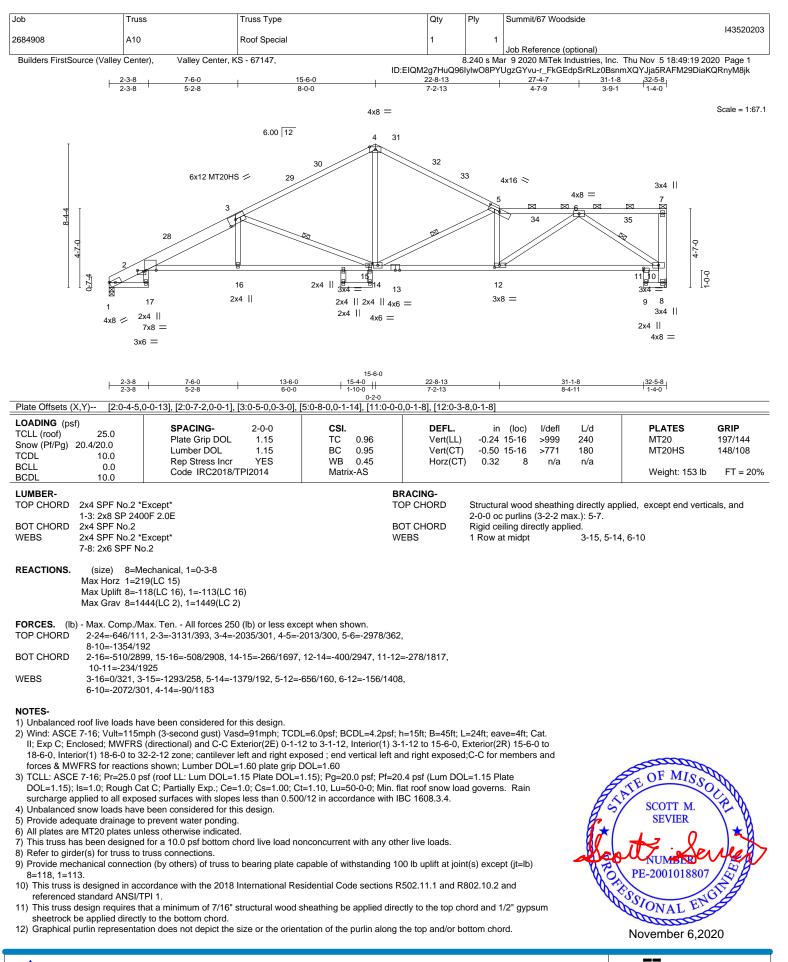
Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
202 1002		De ef Ce e eiel			143520202
2684908	A9	Roof Special	1	1	
					Job Reference (optional)
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,	1	8.240 s Ma	ar 9 2020 MiTek Industries, Inc. Thu Nov 5 18:49:52 2020 Page 2
	ID:4rXHhD	3_rtBCgQ	SIY2gdJuz	Gwv6-OKICBW0Wg_bfQ4DCDCdANHaGZkR4bv24ICpg5NyM8jD	

## NOTES-

14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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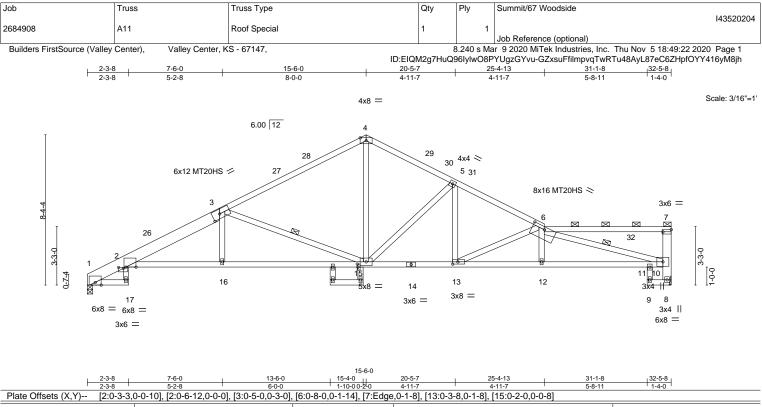


Plate Offsets (X,Y	() [2:0-3-3,0	0-0-10], [2:0-6-12,0-0-0], [3:0-5-0,0-3	0], [6:0-8-0,0-1-14], [7:Edg	ge,0-1-8], [13:0-3-	-8,0-1-8], [15:0-2	-0,0-0-8]			
LOADING (psf) TCLL (roof) Snow (Pf/Pg) 20 TCDL	10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.71 BC 0.94 WB 0.97	DEFL. Vert(LL) Vert(CT) Horz(CT		l/defl >999 >675 n/a	L/d 240 180 n/a	PLATES MT20 MT20HS	<b>GRIP</b> 197/144 148/108
BCLL BCDL	0.0 10.0	Code IRC2018/TPI2014	Matrix-AS		,		1.00	Weight: 154 lb	FT = 20%
LUMBER-	10.0			BRACING-					
	x4 SPF No.2 *E	Except*		FOP CHORD	Structural wood	d sheathing	directly app	olied, except end vertic	als, and
BOT CHORD 2	-3: 2x8 SP 240 x4 SPF No.2 *E 0-14: 2x4 SPF	Except*		BOT CHORD WEBS	2-0-0 oc purlins Rigid ceiling dir 1 Row at midpt	rectly appli		1	
	x4 SPF No.2 *E				i non at map		0 10, 0 10	<b>,</b>	
	-8: 2x6 SPF No	o.2							
OTHERS 2	x4 SPF No.2								
N	/lax Horz 1=19 /lax Uplift 8=-1	echanical, 1=0-3-8 98(LC 15) 18(LC 16), 1=-115(LC 16) 144(LC 2), 1=1447(LC 2)							
FORCES. (Ib) -	Max. Comp./M	lax. Ten All forces 250 (lb) or less e	cept when shown.						
		0, 2-3=-3137/387, 3-4=-2021/297, 4-5	-1949/312, 5-6=-2767/35	51,					
		3-10=-1353/170, 7-10=-330/65 )7, 15-16=-439/2916, 13-15=-309/23 964	1, 12-13=-472/3874, 11-1	2=-477/3869,					
	3-16=0/318, 3-	-15=-1317/247, 5-15=-1007/163, 5-1 43, 4-15=-121/1244	=-41/712, 6-13=-1602/184	4,					
NOTES-									
2) Wind: ASCE 7- II; Exp C; Enclo 18-6-0, Interior forces & MWFF	<ul> <li>1) Unbalanced roof live loads have been considered for this design.</li> <li>2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-6-0, Exterior(2R) 15-6-0 to 18-6-0, Interior(1) 18-6-0 to 32-2-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces &amp; MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1</li></ul>								
DOL=1.15); Is=	=1.0; Rough Ca	sf (roof LL: Lum DOL=1.15 Plate DO at C; Partially Exp.; Ce=1.0; Cs=1.00	Ct=1.10, Lu=50-0-0; Min.	flat roof snow loa		1	AS	SCOTT M.	(E)
		sed surfaces with slopes less than 0. been considered for this design.	00/12 in accordance with	IBC 1608.3.4.			Bal	SEVIER	1+12
5) Provide adequa	ate drainage to	prevent water ponding.						. 0	1-12
6) All plates are MT20 plates unless otherwise indicated.									
/	<ul> <li>7) All plates are 2x4 MT20 unless otherwise indicated.</li> <li>8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> </ul>								
9) Refer to girder	9) Refer to girder(s) for truss to truss connections.								
, ,	nt(s) 1 conside earing surface.	ers parallel to grain value using ANSI/	PI 1 angle to grain formul	<ol> <li>Building desig</li> </ol>	ner should verify	/	No.	SSIONAL EN	Å
		tion (by others) of truss to bearing pla	e capable of withstanding	100 lb uplift at jo	int(s) except (jt=	lb)		CINAL	-
8=118, 1=115	5. e 2							November 6,20	20

8=118, 1=115. Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
					143520204
2684908	A11	Roof Special	1	1	
					Job Reference (optional)
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,	8	3.240 s Ma	r 9 2020 MiTek Industries, Inc. Thu Nov 5 18:49:22 2020 Page 2
		ID:EIG	M2g7HuQ	6lylwO8P	YUgzGYvu-GZxsuFfilmpvqTwRTu48AyL87eC6ZHpfOYY416yM8jh

#### NOTES-

12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

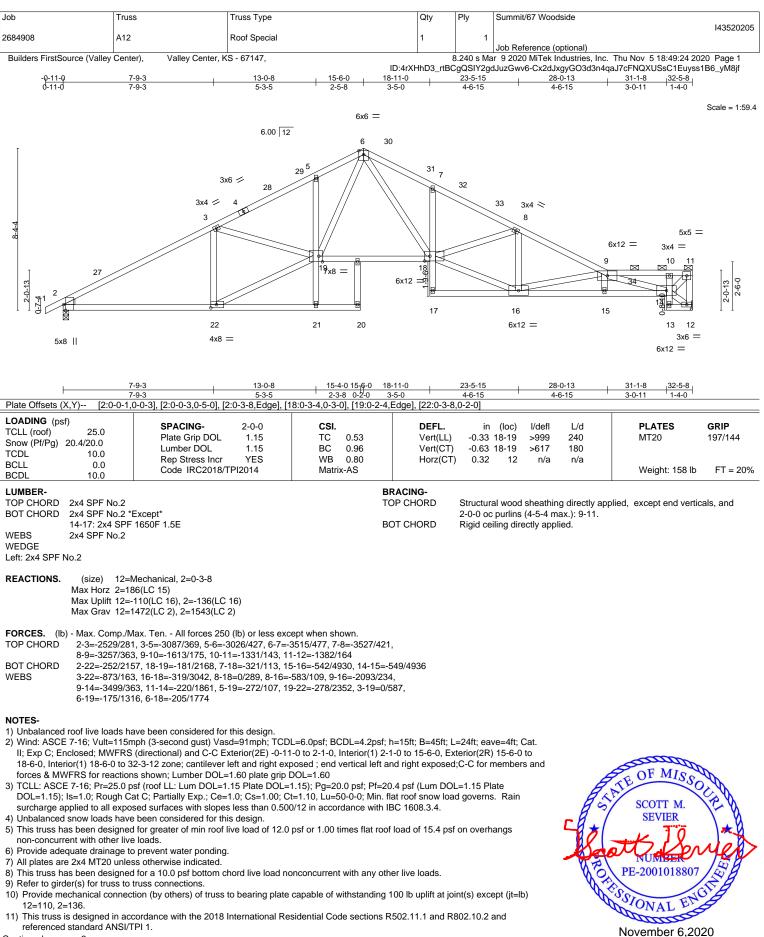
13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the

bottom chord.

14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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#### Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to preven tbuckling 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 sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MITEK° 16023 Swingley Ridge Rd Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
2684908	A12	Roof Special	1	1	143520205
		· ·			Job Reference (optional)
Builders FirstSource (Valley Center), Valley Center, KS - 67147,		S - 67147,	8	3.240 s Ma	r 9 2020 MiTek Industries, Inc. Thu Nov 5 18:49:24 2020 Page 2
		ID:4rX	HhD3_rtBC	gQSIY2go	JuzGwv6-Cx2dJxgyGO3d3n4qaJ7cFNQXUSsC1Euyss1B6_yM8jf

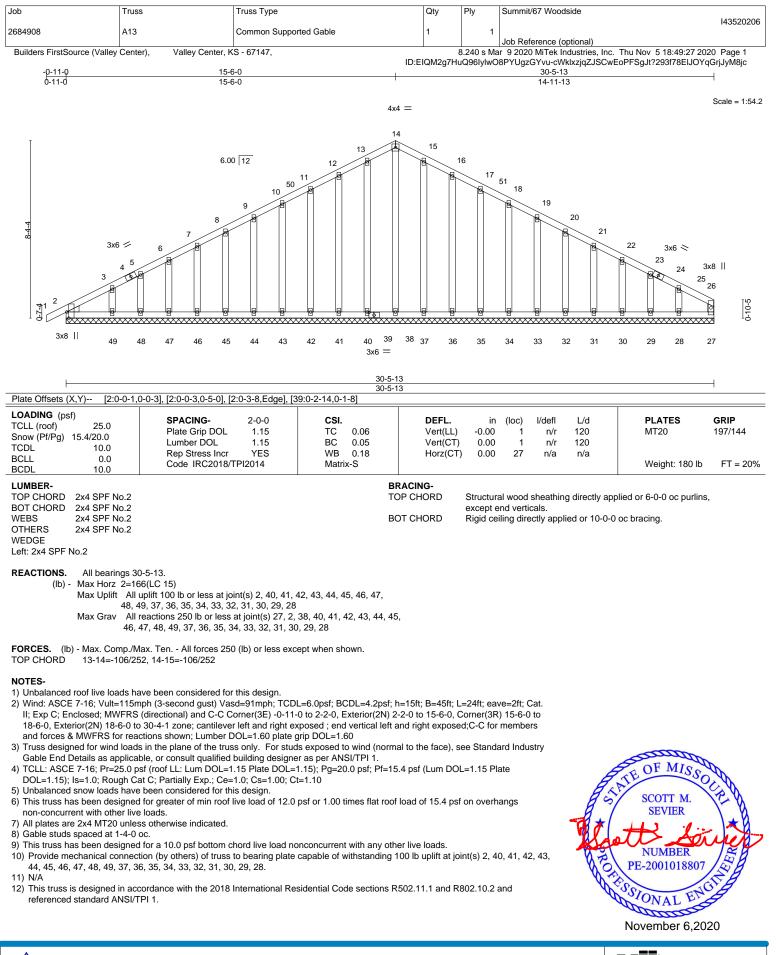
#### NOTES-

12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

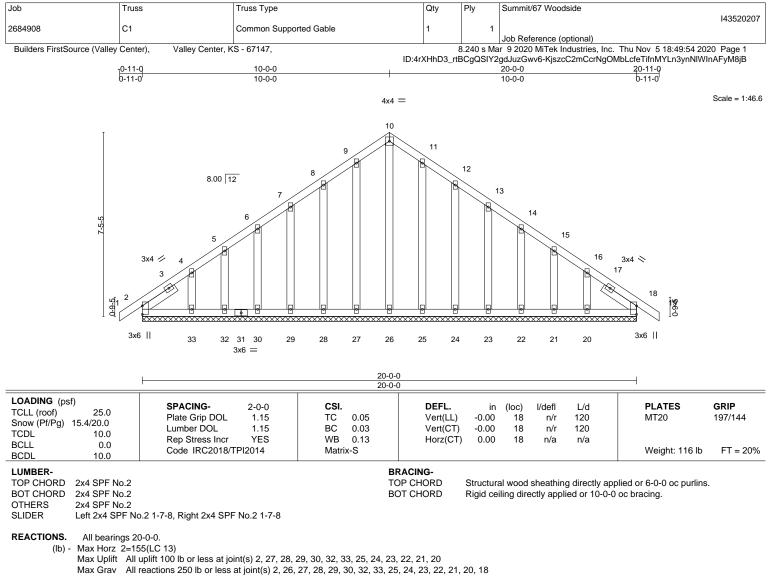
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





NITEK\* 16023 Swingley Ridge Rd Chesterfield, MO 63017



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

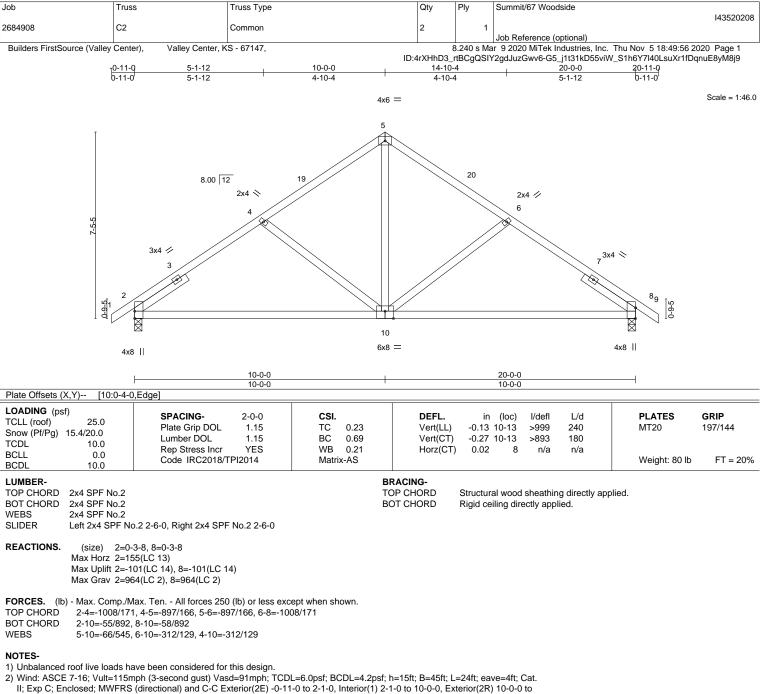
#### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-11-0 to 2-0-0, Exterior(2N) 2-0-0 to 10-0-0, Corner(3R) 10-0-0 to 13-0-0, Exterior(2N) 13-0-0 to 20-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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.
- 4) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 27, 28, 29, 30, 32, 33, 25, 24, 23, 22, 21, 20.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.





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II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 10-0-0, Exterior(2R) 10-0-0 to 13-0-0, Interior(1) 13-0-0 to 20-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=101, 8=101.

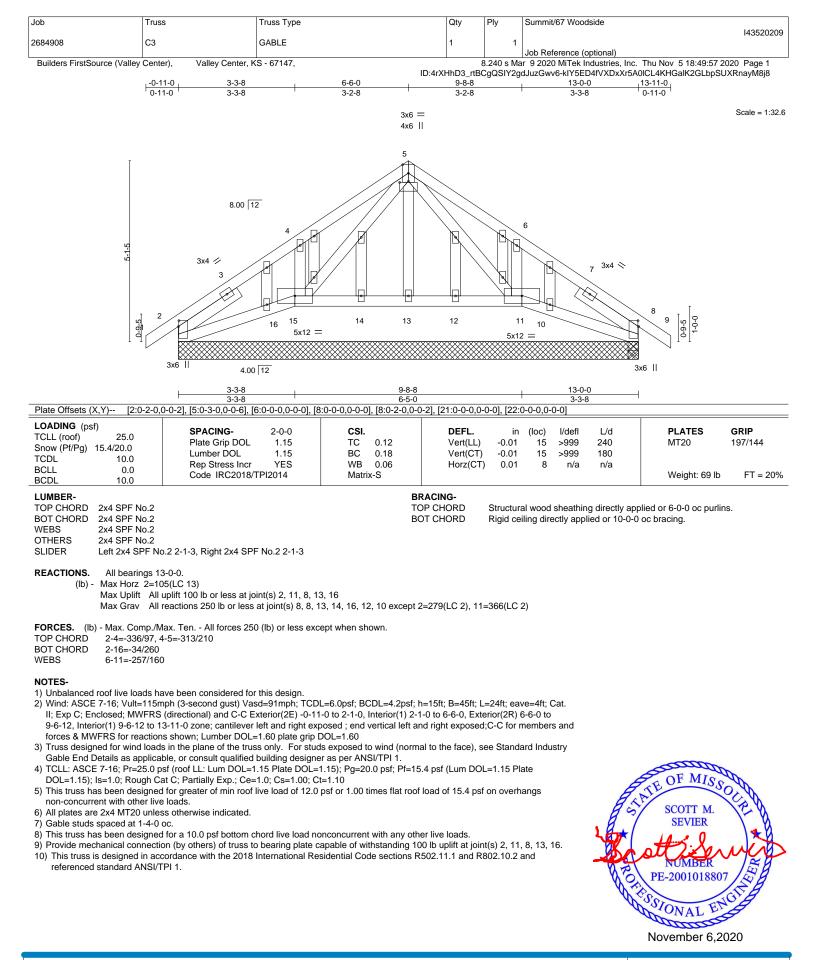
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

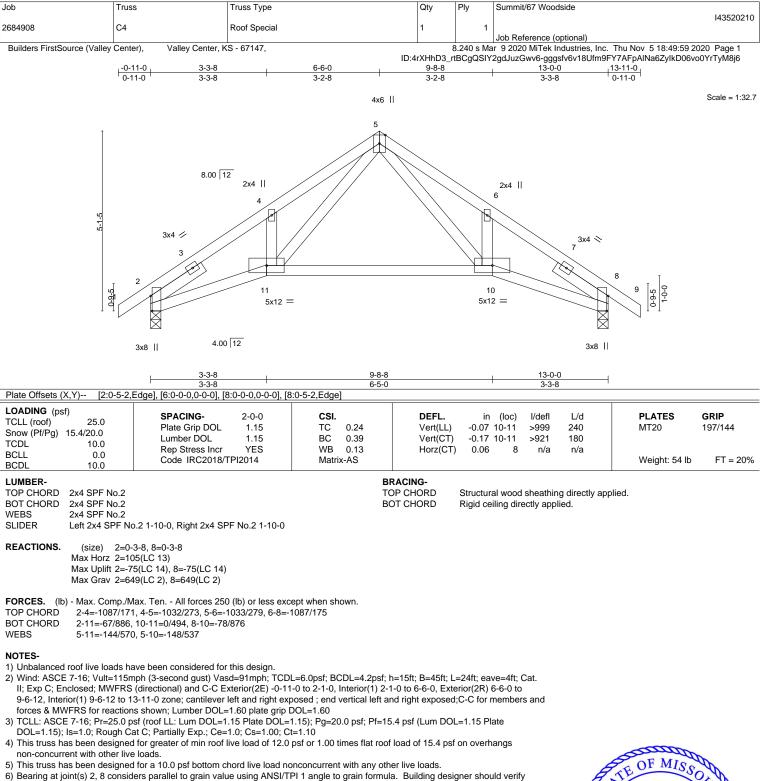


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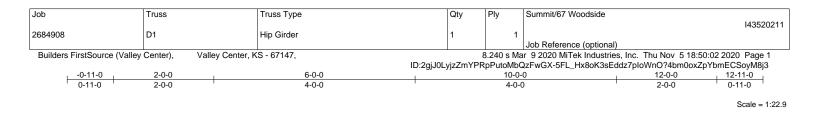
- capacity of bearing surface. 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

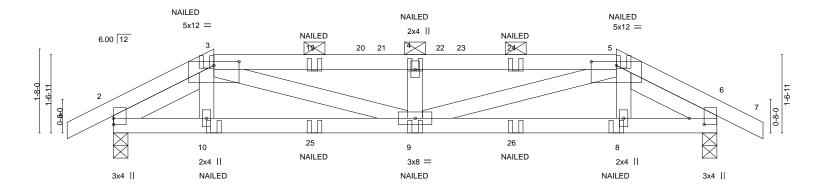
TE SCOTT M. SEVIER NUMBER NOFFISSIONAL PE-2001018807 E

November 6,2020

MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to preven tbuckling 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 sand truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Pairs Officient (XY)-         200         Log Out (5)         200           LOADING (rst)         TCLL (rot 0)         130-600-015 [S0-60-00-15 [S0-60-00-15 ]         CS L         DEFL         in (loc)         Udd ff         PLATES         GRIP           LOADING (rst)         TCLL (rot 0)         25.0         Place office (S0-14.05.0-3)         TCLL (rot 0)         Set (S1-14.00.0-1)         PLATES         GRIP           Show (PIPp)         20.420.0         Lumber DOL         1.15         TC 0.28         Vert(CT)         -0.06         9         >999         160         MT20         197/144           BCLL         10.0         Code IRC2018/TPI2014         Weight: 48 lb         FT = 20%         Weight: 48 lb         FT = 20%           LUMBER         TOP CHORD         24 SPF No.2         TOP CHORD         Structural wood sheathing directly applied or 6-0-0 oc purins, except         2-04 oc purins (4-94 max): 3-6.         BOT CHORD         Structural wood sheathing directly applied or 6-0-0 oc bracing.           SLDER         Left 24 SPF No.2         FT = 20%         BOT CHORD         Structural wood sheathing directly applied or 10-0-0 oc bracing.           SLDER         Left 24 SPF No.2         FT = 20%         BOT CHORD         Structural wood sheathing directly applied or 10-0-0 oc bracing.           SLDER         Left 24 SPF No.2	2-0-0 6-0		10-0-0		12-0-0					
Labourds         (pd)         SPACING         2-0-0         CSL         DEFL         in         (nc)         V/det         L/d         PLATES         GRIP           TOLL         (m)         25.0         Plate Grip DOL         1.15         EC         0.29         Vert(C1)         -0.05         9         -999         24.0           BCDL         0.0         Code IRC2018/TPI2014         WB         0.19         Horz(CT)         0.01         6         n/a         n/a           UMBER         0.0         Code IRC2018/TPI2014         BACING-         TOP CHORD         244 SPF No.2         Enclose         BOT CHORD         Structural wood sheatning directly applied or 6-0-0 oc purins, except         2-0-0 oc purins (4-6-4 max): 5-5.         BOT CHORD         Structural wood sheatning directly applied or 10-0-0 oc bracing.           SLIDER         Left 2x4 SPF No.2         11-1.3, Right 2x4 SPF No.2 1-11-3         BOT CHORD         Structural wood sheatning directly applied or 10-0-0 oc bracing.           REACTIONS         (size)         2-0-3-8, 6-0-3-8         Max Horz         Se-201C 12)         Max Grav 2-509(C 2)         Se-3-8(4, 6-6-32769           WEBS         3-9-68/783, 4-9-419/80, 5-9-68/783         Se-0-232/22         SOT CHORD         2-10-03/789, 9-10307764, 6-9-32769         WEES         3-9-68/783         MOE			4-0-0	· · ·	2-0-0					
TOP CHORD       2x4 SPF No.2       TOP CHORD       Structural wood sheathing directly applied or 6-0-0 oc purlins, except         WEBS       2x4 SPF No.2       BOT CHORD       BOT CHORD       Rigid ceiling directly applied or 6-0-0 oc bracing.         SLIDER       Left 2x4 SPF No.2       BOT CHORD       Rigid ceiling directly applied or 10-0-0 oc bracing.         REACTONS.       (size) 2-0-3.8, 6=0-3-8 Max Horz 2=-27(LC 10) Max Care 2-599(LC 2), 6=759(LC 2)       Rigid ceiling directly applied or 10-0-0 oc bracing.         FORCES.       (b) Max. Comp./Max. Ten All forces 250 (b) or less except when shown.       TOP CHORD       2:3-e203(3), 4=5-117(1)/2(4, 4=5-1517(1)/2(4, 5=6-137/6)         WEBS       3:9-e607/83, 4-9=-41980, 5-9=-687/83       S=0-687/83, 4-9=-41980, 5-9=-687/83         NOTES       1) Unbalanced rool five loads have been considered for this design.       2)       2)         2) Winch ASCE 7-16, VIL-11spn (0-3ecordance with Ber, TOD-E-6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. I; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; ield worldael applied to all exposed       2)         3) TOL: ASCE 7-16, VIL-11spn (0-3ecordance with BC 1608.3.4       4)       4)       4)         4) Unbalanced snow loads have been considered for this design.       5)       5:       5:         3) TOL: ASCE 7-16, Pr=25.0 pf (root LL: Lum DCL=1.15); Pg=20.0 pf (Lum DCL=1.15 Plate DCL=1.50)       5:	LOADING (psf)         SPACING-         2-0-0           TCLL (roof)         25.0         Plate Grip DOL         1.15           Snow (Pf/Pg)         20.4/20.0         Lumber DOL         1.15           TCDL         10.0         Rep Stress Incr         NO           BCLL         0.0         Code JRC2018/TCP12014         NO	CSI. TC 0.29 BC 0.28 WB 0.19	Vert(LL) -0.05 9 > Vert(CT) -0.08 9 >	999 240 999 180	MT20	197/144				
Max Horz 2=-27(LC 10) Max Grav 2=599(LC 2), 6=59(LC 2) FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2:-3a=-282/32, 3-4=-1511/126, 5-6a=-282/32 BOT CHORD 2:-10a=-33769, 9-10a=-36764, 5-8a=-367769 WEBS 3:-9=-68/783, 4-9=-419/80, 5-9=-68/783 <b>NOTES</b> 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-16; Vull=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. I; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) TCLL: ASCE 7-16; Vr=25.0 psf (roof LL: Lum DOL=1.15); Pg=20.0 psf; Pl=20.4 psf (Lum DOL=1.15 Plate DOL=1.51; ls=10; Rough Cat C; Partially Exp; Ce=-10; CS=-100; CS=-100	LUMBER-           TOP CHORD         2x4 SPF No.2           BOT CHORD         2x4 SPF No.2           WEBS         2x4 SPF No.2	TO	P CHORD Structural wood sh 2-0-0 oc purlins (4	-6-4 max.): 3-5.	· · ·	, except				
<ul> <li>TOP CHORD 2-3=-28/26, 2-4=-1511/126, 4-5=-1511/126, 5-6=-282/32</li> <li>BOT CHORD 2-10=-33/769, 9-10=-36/764, 8-9=-35/764, 6-8=-32/769</li> <li>WEBS 3-9=-68/783, 4-9=-419/80, 5-9=-68/783</li> <li><b>NOTES</b> <ol> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Windt ASCE 7-16; Vult=115mph (5-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15); Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); ISGC 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15); Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Pi=20.4 psf (Lum DOL=1.15 Plate DOL=1.16)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.16; Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.16)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.16; Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.16)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.16; Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.16)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.16; Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.16)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.16; Pg=20.0 psf; PI=20.4 psf (Lum DOL=1.15 Plate DOL=1.16)</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.10; Lu=50-0-0 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with 1802 to 1608.3.4.</li> <li>Unbalanced snow loads have been considered for this design.</li> <li>This truss has been designed for a rol.0 psf bottom chord live load on concourrent with any other live loads.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.</li> <li>This truss has been designed for a coordance with the 2018 International Residential Code sections R502.11.1</li></ol></li></ul>	Max Horz 2=-27(LC 10) Max Uplift 2=-75(LC 12), 6=-75(LC 12)									
<ol> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15f; B=45f; L=24f; eave=4ft; Cat. II; Exp (5: Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Nough Cat C; Partially Exp; Ce=1.0; Cs=1.00; C1=1.10, Lu=50-0-0 Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.</li> <li>Unbalanced snow loads have been considered for this design.</li> <li>This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.</li> <li>Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.</li> <li>This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.</li> <li>Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.</li> <li>"NALLED" indicates 3-104 (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.</li> <li>In the LOAD CASE(S) Standard</li> <li>Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (ptf)</li> </ol>	TOP CHORD         2-3=-282/32, 3-4=-1511/126, 4-5=-1511/126, 5-6=-28           BOT CHORD         2-10=-33/769, 9-10=-36/764, 8-9=-35/764, 6-8=-32/7	TOP CHORD 2-3=-282/32, 3-4=-1511/126, 4-5=-1511/126, 5-6=-282/32 BOT CHORD 2-10=-33/769, 9-10=-36/764, 8-9=-35/764, 6-8=-32/769								
November 6,2020	<ol> <li>Unbalanced roof live loads have been considered for this design.</li> <li>Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCE II; Exp C; Enclosed; MWFRS (directional); cantilever left and right explate grip DOL=1.60</li> <li>TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL= DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; C surfaces with slopes less than 0.500/12 in accordance with IBC 1600;</li> <li>Unbalanced snow loads have been considered for this design.</li> <li>This truss has been designed for greater of min roof live load of 12.0 non-concurrent with other live loads.</li> <li>Provide adequate drainage to prevent water ponding.</li> <li>This truss has been designed for a 10.0 psf bottom chord live load n Provide mechanical connection (by others) of truss to bearing plate e or ferenced standard ANSI/TPI 1.</li> <li>Graphical purlin representation does not depict the size or the orier 11) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-r 12) In the LOAD CASE(S) Section, loads applied to the face of the trus</li> <li>LOAD CASE(S) Standard</li> <li>Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1. Uniform Loads (plf)</li> </ol>	posed ; end vertical left and (1.15); Pg=20.0 psf; Pf=20.4 (t=1.10, Lu=50-0-0 Rain su 3.3.4. It psf or 1.00 times flat roof l onconcurrent with any othe papable of withstanding 100 idential Code sections R50 idential Code sections R50 itation of the purlin along the pails per NDS guidlines. Is are noted as front (F) or b	d right exposed; Lumber DOL=1.60 4 psf (Lum DOL=1.15 Plate urcharge applied to all exposed load of 15.4 psf on overhangs or live loads. D lb uplift at joint(s) 2, 6. 12.11.1 and R802.10.2 and he top and/or bottom chord.		SCOTT M. SEVIER PE-2001018807	weet				



Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside	
					143520211	
2684908	D1	Hip Girder	1	1		
					Job Reference (optional)	
Duildore FirstCourse (Valley	Builders First Source (Volley Center) Volley Center KS 67147					

Builders FirstSource (Valley Center), Valley Center, KS - 67147,

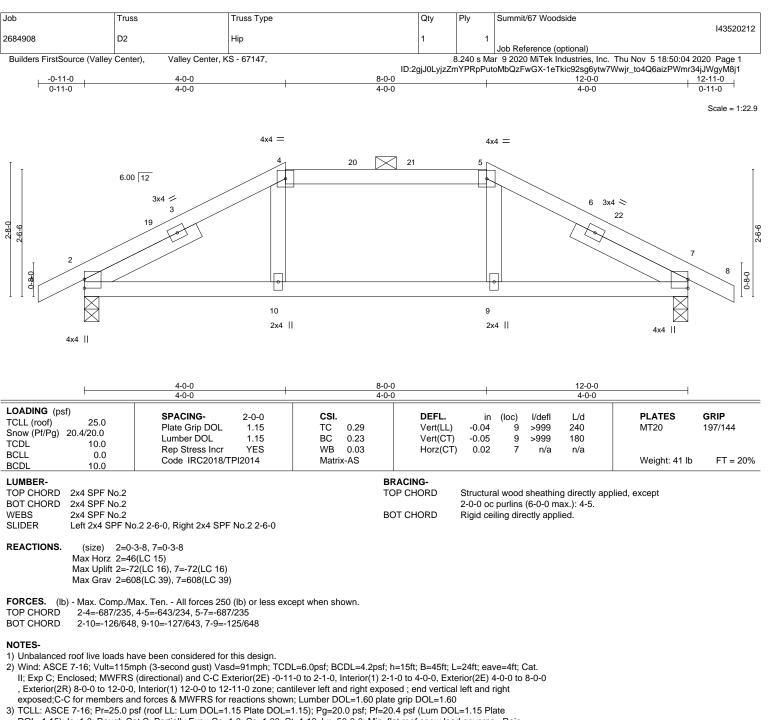
8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 5 18:50:02 2020 Page 2 ID:2gjJ0LyjzZmYPRpPutoMbQzFwGX-5FL\_Hx8oK3sEddz7pIoWnO?4bm0oxZpYbmECSoyM8j3

#### LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 10=1(B) 9=0(B) 8=1(B) 25=0(B) 26=0(B)

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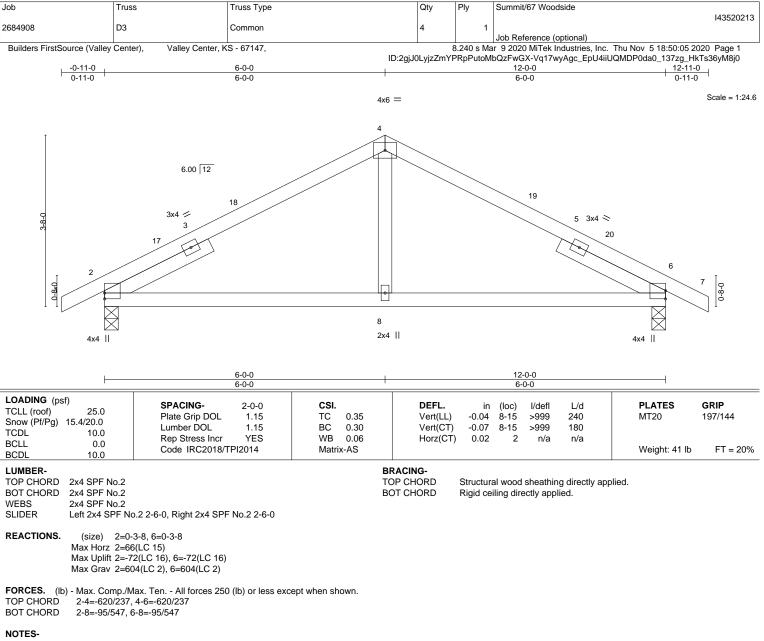


- DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
   4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
   This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

OF MISS TE SCOTT M. SEVIER OFF PE-2001018807 SSIONAL E November 6,2020

Mitek° 16023 Swingley Ridge Rd Chesterfield, MO 63017

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1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 6-0-0, Exterior(2R) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 12-11-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

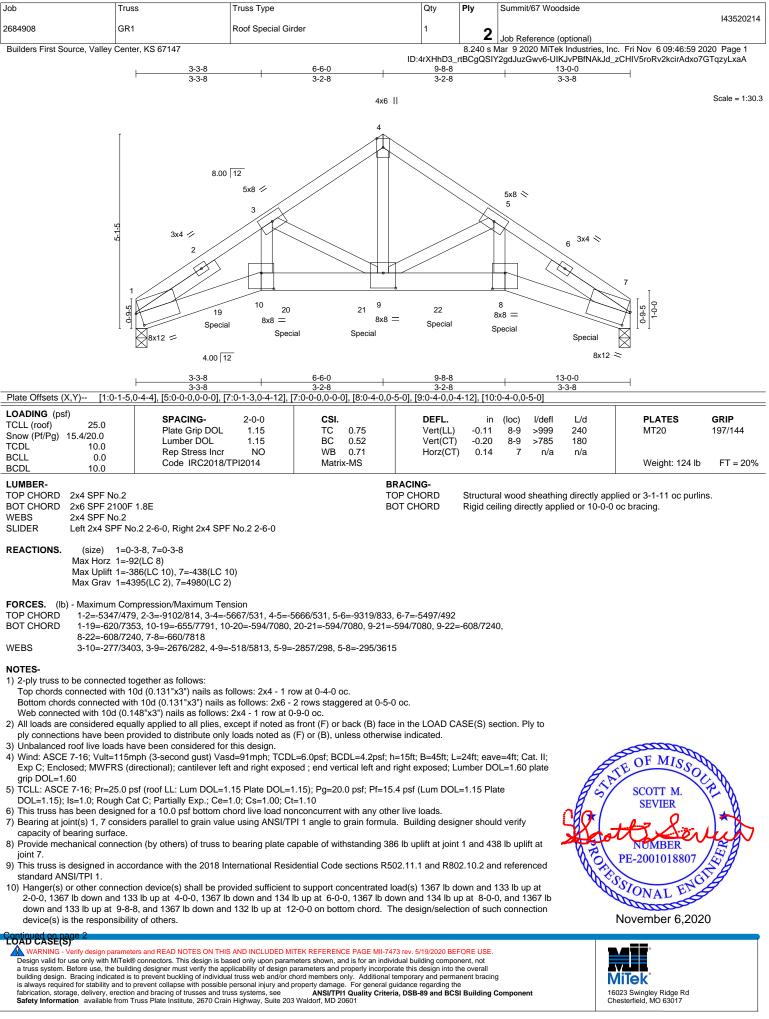
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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16023 Swingley Ridge Rd Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
2684908	GR1	Roof Special Girder	1	_	143520214
2004900	GRI		1	2	Job Reference (optional)
Builders First Source, Valley Center, KS 67147				8 240 s N	Mar 9 2020 MiTek Industries Inc. Eri Nov 6 09:47:00 2020 Page 2

ID:4rXHhD3\_rtBCgQSIY2gdJuzGwv6-yUth6lCl8TsAF8YOr?0KO0z4o8yxadt41n?0NQyLxa9

LOAD CASE(S) 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-51, 4-7=-51, 10-11=-20, 8-10=-20, 8-15=-20 Concentrated Loads (lb) Vert: 8=-1187(B) 17=-1286(B) 19=-1241(B) 20=-1121(B) 21=-1150(B) 22=-1132(B) 2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-70, 4-7=-70, 10-11=-20, 8-10=-20, 8-15=-20 Concentrated Loads (lb) Vert: 8=-1367(B) 17=-1367(B) 19=-1367(B) 20=-1367(B) 21=-1367(B) 22=-1367(B) 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-58, 4-7=-58, 10-11=-20, 8-10=-20, 8-15=-20 Concentrated Loads (lb) Vert: 8=-1175(B) 17=-1175(B) 19=-1175(B) 20=-1175(B) 21=-1175(B) 22=-1175(B) 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-43, 4-7=-43, 10-11=-20, 8-10=-20, 8-15=-20 Concentrated Loads (lb) Vert: 8=-1039(B) 17=-1114(B) 19=-1080(B) 20=-990(B) 21=-1011(B) 22=-998(B) 5) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-4=-20, 4-7=-20, 10-11=-40, 8-10=-40, 8-15=-40 Concentrated Loads (lb) Vert: 8=-885(B) 17=-885(B) 19=-885(B) 20=-885(B) 21=-885(B) 22=-885(B) 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-2, 4-7=8, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-10, 4-7=20 Concentrated Loads (lb) Vert: 8=121(B) 17=121(B) 19=121(B) 20=122(B) 21=122(B) 22=122(B) 7) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=8, 4-7=-2, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-20, 4-7=10 Concentrated Loads (lb) Vert: 8=121(B) 17=121(B) 19=121(B) 20=122(B) 21=122(B) 22=122(B) 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-32, 4-7=-10, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=12, 4-7=10 Concentrated Loads (lb) Vert: 8=133(B) 17=132(B) 19=133(B) 20=133(B) 21=134(B) 22=134(B) 9) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-10, 4-7=-32, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=-10, 4-7=-12 Concentrated Loads (lb) Vert: 8=133(B) 17=132(B) 19=133(B) 20=133(B) 21=134(B) 22=134(B) 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=16, 4-7=16, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-28, 4-7=28 Concentrated Loads (lb) Vert: 8=121(B) 17=121(B) 19=121(B) 20=122(B) 21=122(B) 22=122(B) 11) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=1, 4-7=1, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-13, 4-7=13 Concentrated Loads (lb) Vert: 8=121(B) 17=121(B) 19=121(B) 20=122(B) 21=122(B) 22=122(B) 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-21, 4-7=-21, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (lb) Vert: 8=133(B) 17=132(B) 19=133(B) 20=133(B) 21=134(B) 22=134(B) 13) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-21, 4-7=-21, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1. 4-7=-1 Concentrated Loads (lb) Vert: 8=133(B) 17=132(B) 19=133(B) 20=133(B) 21=134(B) 22=134(B) 14) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-4=-20, 4-7=-20, 10-11=-20, 8-10=-20, 8-15=-20

#### Continued on page 3

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Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
					143520214
2684908	GR1	Roof Special Girder	1	2	
				<b>_</b>	Job Reference (optional)
Builders First Source, Valley Center, KS 67147				8.240 s M	Aar 9 2020 MiTek Industries, Inc. Fri Nov 6 09:47:00 2020 Page 3

ID:4rXHhD3\_rtBCgQSIY2gdJuzGwv6-yUth6lCl8TsAF8YOr?0KO0z4o8yxadt41n?0NQyLxa9

LOAD CASE(S) Concentrated Loads (lb) Vert: 8=-597(B) 17=-597(B) 19=-597(B) 20=-597(B) 21=-597(B) 22=-597(B) 15) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-52, 4-7=-36, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=9, 4-7=7 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 16) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-36, 4-7=-52, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=-7, 4-7=-9 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 17) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-44, 4-7=-44, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 18) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-44, 4-7=-44, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (Ib) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-66, 4-7=-50, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=9, 4-7=7 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-50, 4-7=-66, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=-7, 4-7=-9 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-58, 4-7=-58, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-58, 4-7=-58, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (lb) Vert: 8=26(B) 17=26(B) 19=26(B) 20=26(B) 21=27(B) 22=27(B) 23) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-17, 4-7=-12, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=5 Concentrated Loads (lb) Vert: 8=40(B) 17=39(B) 19=40(B) 20=40(B) 21=41(B) 22=41(B) 24) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-12, 4-7=-17, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 4-7=-5 Concentrated Loads (lb) Vert: 8=40(B) 17=39(B) 19=40(B) 20=40(B) 21=41(B) 22=41(B) 25) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-70, 4-7=-20, 10-11=-20, 8-10=-20, 8-15=-20 Concentrated Loads (lb) Vert: 8=-1367(B) 17=-1367(B) 19=-1367(B) 20=-1367(B) 21=-1367(B) 22=-1367(B) 26) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-20, 4-7=-70, 10-11=-20, 8-10=-20, 8-15=-20 Concentrated Loads (lb) Vert: 8=-1367(B) 17=-1367(B) 19=-1367(B) 20=-1367(B) 21=-1367(B) 22=-1367(B) 27) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-58, 4-7=-20, 10-11=-20, 8-10=-20, 8-15=-20 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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 system. See MSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
					143520214
2684908	GR1	Roof Special Girder	1	2	
				<b>_</b>	Job Reference (optional)
Builders First Source, Valley Center, KS 67147				8.240 s N	Aar 9 2020 MiTek Industries, Inc. Fri Nov 6 09:47:00 2020 Page 4

ID:4rXHhD3\_rtBCgQSIY2gdJuzGwv6-yUth6lCl8TsAF8YOr?0KO0z4o8yxadt41n?0NQyLxa9

LOAD CASE(S) Concentrated Loads (lb) Vert: 8=-1175(B) 17=-1175(B) 19=-1175(B) 20=-1175(B) 21=-1175(B) 22=-1175(B) 28) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-20 4-7=-58 10-11=-20 8-10=-20 8-15=-20 Concentrated Loads (lb) Vert: 8=-1175(B) 17=-1175(B) 19=-1175(B) 20=-1175(B) 21=-1175(B) 22=-1175(B) 29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-2, 4-7=8, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-10, 4-7=20 Concentrated Loads (lb) Vert: 8=-641(B) 17=-658(B) 19=-649(B) 20=-639(B) 21=-642(B) 22=-640(B) 30) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=8, 4-7=-2, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-20, 4-7=10 Concentrated Loads (lb) Vert: 8=-641(B) 17=-658(B) 19=-649(B) 20=-639(B) 21=-642(B) 22=-640(B) 31) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-32, 4-7=-10, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=12, 4-7=10 Concentrated Loads (lb) Vert: 8=-630(B) 17=-646(B) 19=-638(B) 20=-628(B) 21=-631(B) 22=-628(B) 32) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-10, 4-7=-32, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=-10, 4-7=-12 Concentrated Loads (lb) Vert: 8=-630(B) 17=-646(B) 19=-638(B) 20=-628(B) 21=-631(B) 22=-628(B) 33) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=16, 4-7=16, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-28, 4-7=28 Concentrated Loads (lb) Vert: 8=-641(B) 17=-658(B) 19=-649(B) 20=-639(B) 21=-642(B) 22=-640(B) 34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=1, 4-7=1, 10-11=-8, 8-10=-8, 8-15=-8 Horz: 1-4=-13, 4-7=13 Concentrated Loads (lb) Vert: 8=-641(B) 17=-658(B) 19=-649(B) 20=-639(B) 21=-642(B) 22=-640(B) 35) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-21, 4-7=-21, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (lb) Vert: 8=-630(B) 17=-646(B) 19=-638(B) 20=-628(B) 21=-631(B) 22=-628(B) 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-21, 4-7=-21, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1, 4-7=-1 Concentrated Loads (lb) Vert: 8=-630(B) 17=-646(B) 19=-638(B) 20=-628(B) 21=-631(B) 22=-628(B) 37) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-52, 4-7=-36, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=9, 4-7=7 Concentrated Loads (lb) Vert: 8=-953(B) 17=-1022(B) 19=-990(B) 20=-915(B) 21=-933(B) 22=-921(B) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-36, 4-7=-52, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=-7, 4-7=-9 Concentrated Loads (lb) Vert: 8=-953(B) 17=-1022(B) 19=-990(B) 20=-915(B) 21=-933(B) 22=-921(B) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-4=-44, 4-7=-44, 10-11=-20, 8-10=-20, 8-15=-20 Horz: 1-4=1. 4-7=-1 Concentrated Loads (lb) Vert: 8=-953(B) 17=-1022(B) 19=-990(B) 20=-915(B) 21=-933(B) 22=-921(B) 40) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

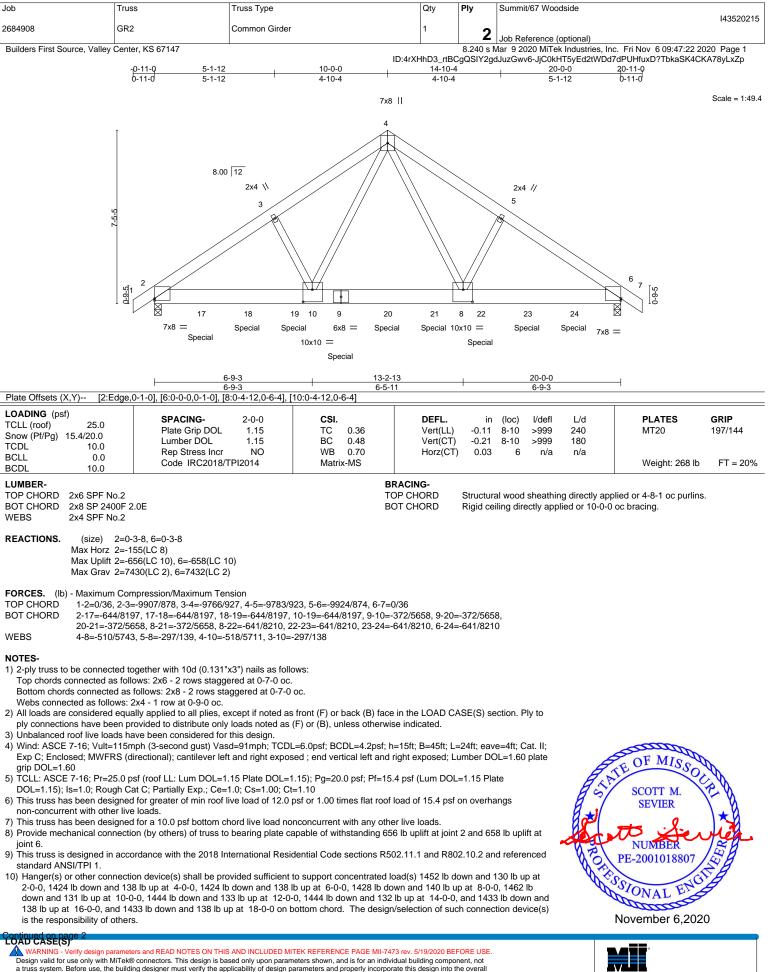
Continued on page 5

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
2684908	GR1	Roof Special Girder	1	-	143520
1004900	GILT		1	2	Job Reference (optional)
Builders First Source, Va	alley Center, KS 67147		I	8.240 s l	Mar 9 2020 MiTek Industries, Inc. Fri Nov 6 09:47:00 2020 Page 5
			ID:4rXHhD3	_rtBCgQSI	Y2gdJuzGwv6-yUth6lCl8TsAF8YOr?0KO0z4o8yxadt41n?0NQyLxa9
LOAD CASE(S)					
Uniform Loads (plf	/				
	, ,	20, 8-10=-20, 8-15=-20			
Horz: 1-4	,				
Concentrated Load		000/B) 20 045/B) 24 022/B) 22 024/B)			
	( )	9=-990(B) 20=-915(B) 21=-933(B) 22=-921(B)			- 1.00
,	( )	0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumbe	r increase=1.60, Pla	ate increase	e=1.60
Uniform Loads (plf	/	20 8 40 20 8 45 20			
Horz: 1-4=		20, 8-10=-20, 8-15=-20			
Concentrated Load					
	· · /	9=-1061(B) 20=-1053(B) 21=-1056(B) 22=-105	4(D)		
		• 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumb		lata Incroa	000-1.60
Uniform Loads (plf		0.75(0.0 WWERS Wind (Neg. Int) Right). Lunic		late increa	150=1.00
		20, 8-10=-20, 8-15=-20			
	=-7. 4-7=-9	20, 0 10- 20, 0 10- 20			
Concentrated Load	, -				
		9=-1061(B) 20=-1053(B) 21=-1056(B) 22=-105	4(B)		
		0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel):		.60. Plate I	Increase=1.60
Uniform Loads (plf	( )	······································			
u u	/	20, 8-10=-20, 8-15=-20			
Horz: 1-4=		-,			
Concentrated Load	ds (lb)				
Vert: 8=-1	055(B) 17=-1067(B) 1	9=-1061(B) 20=-1053(B) 21=-1056(B) 22=-105	4(B)		
44) Reversal: Dead +	0.75 Roof Live (bal.) +	0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel)	: Lumber Increase=	1.60, Plate	Increase=1.60
Uniform Loads (plf					
Vert: 1-4=	-58, 4-7=-58, 10-11=-2	20, 8-10=-20, 8-15=-20			
Horz: 1-4=	,				
Concentrated Load					
		9=-1061(B) 20=-1053(B) 21=-1056(B) 22=-105			
,		Left: Lumber Increase=1.60, Plate Increase=1	.60		
Uniform Loads (plf	/				
	-17, 4-7=-12, 10-11=-8	8, 8-10=-8, 8-15=-8			
Horz: 1-4					
Concentrated Load	( )				
		568(B) 20=-558(B) 21=-561(B) 22=-558(B) . Right: Lumber Increase=1.60, Plate Increase=	1 60		
Uniform Loads (plf		I. Right. Lumber increase=1.00, Flate increase=	-1.00		
	/ -12, 4-7=-17, 10-11=-{	8 8-108 8-158			
Horz: 4-7		0, 0 10 0, 0 10 -0			
1012.4-7-	- 0				
Concentrated Load	ds (lh)				





WARNOS - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

16023 Swingley Ridge Rd Chesterfield, MO 63017

MiTek

Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside
2684908	GR2	Common Girder	1	-	14352
Builders First Source, Va				8.240 s	Job Reference (optional) Mar 9 2020 MiTek Industries, Inc. Fri Nov 6 09:47:22 2020 Page
			ID:4rXHhD3_rtB		gdJuzGwv6-JjC0kHT5yEd2tWDd7dPUHfuxD?TbkaSK4CKA78yLxZ
LOAD CASE(S)					
<ol> <li>Dead + Snow (balan Uniform Loads (plf)</li> </ol>	ced): Lumber Increase=1.	15, Plate Increase=1.15			
Vert: 1-4=-5 Concentrated Loads	1, 4-7=-51, 11-14=-20				
Vert: 9=-134	9(F) 17=-1273(F) 18=-117	7(F) 19=-1241(F) 20=-1462(F) 21=-136	6(F) 22=-1263(F) 23=- <sup>-</sup>	1254(F) 2	24=-1254(F)
<ol> <li>Dead + Roof Live (b) Uniform Loads (plf)</li> </ol>	alanced): Lumber Increase	=1.15, Plate Increase=1.15			
,	0, 4-7=-70, 11-14=-20				
Vert: 9=-142	28(F) 17=-1452(F) 18=-142	24(F) 19=-1424(F) 20=-1451(F) 21=-144	4(F) 22=-1444(F) 23=- <sup>-</sup>	1433(F) 2	24=-1433(F)
<ol> <li>Dead + 0.75 Roof Li Uniform Loads (plf)</li> </ol>	/e (balanced): Lumber Inci	ease=1.15, Plate Increase=1.15			
	8, 4-7=-58, 11-14=-20				
Vert: 9=-122	27(F) 17=-1250(F) 18=-122	23(F) 19=-1223(F) 20=-1250(F) 21=-124	3(F) 22=-1243(F) 23=-	1231(F) 2	24=-1231(F)
<ol> <li>Dead + 0.75 Snow (I Uniform Loads (plf)</li> </ol>	palanced): Lumber Increas	e=1.15, Plate Increase=1.15			
Vert: 1-4=-4 Concentrated Loads	3, 4-7=-43, 11-14=-20				
Vert: 9=-116	8(F) 17=-1116(F) 18=-103	88(F) 19=-1086(F) 20=-1258(F) 21=-118		1097(F) 2	24=-1097(F)
<ol> <li>Dead + Uninhabitabl Uniform Loads (plf)</li> </ol>	e Attic Without Storage: Lu	Imber Increase=1.25, Plate Increase=1.	25		
Vert: 1-4=-2	0, 4-7=-20, 11-14=-40				
	5(F) 17=-967(F) 18=-923(F	) 19=-923(F) 20=-972(F) 21=-958(F) 22		l=-929(F)	)
<li>6) Dead + 0.6 MWFRS Uniform Loads (plf)</li>	Wind (Pos. Internal) Left:	Lumber Increase=1.60, Plate Increase=	.60		
Vert: 1-2=13	3, 2-4=-2, 4-6=8, 6-7=3, 11 25, 2-4=-10, 4-6=20, 6-7=1				
Concentrated Loads	(lb)				
		9=127(F) 20=120(F) 21=121(F) 22=120 : Lumber Increase=1.60, Plate Increase=		(F)	
Uniform Loads (plf)	, , ,				
	2-4=8, 4-6=-2, 6-7=13, 11 5, 2-4=-20, 4-6=10, 6-7=2				
Concentrated Loads Vert: 9=128		9=127(F) 20=120(F) 21=121(F) 22=120	(F) 23=126(F) 24=126	(F)	
8) Dead + 0.6 MWFRS		Lumber Increase=1.60, Plate Increase=			
Uniform Loads (plf) Vert: 1-2=-2	6, 2-4=-32, 4-6=-10, 6-7=-	5, 11-14=-20			
Horz: 1-2=6 Concentrated Loads	, 2-4=12, 4-6=10, 6-7=15 (lb)				
Vert: 9=140	(F) 17=130(F) 18=138(F) 1	9=138(F) 20=131(F) 21=133(F) 22=132		(F)	
9) Dead + 0.6 MWFRS Uniform Loads (plf)	wind (Neg. Internal) Right	: Lumber Increase=1.60, Plate Increase	=1.60		
	, 2-4=-10, 4-6=-32, 6-7=-2 5, 2-4=-10, 4-6=-12, 6-7=-				
Concentrated Loads	(lb)			(E)	
		9=138(F) 20=131(F) 21=133(F) 22=132 Parallel: Lumber Increase=1.60, Plate In		(F)	
Uniform Loads (plf) Vert: 1-2=:	80, 2-4=16, 4-6=16, 6-7=30	) 11-14=-8			
Horz: 1-2=	-42, 2-4=-28, 4-6=28, 6-7=				
Concentrated Load Vert: 9=12		19=127(F) 20=120(F) 21=121(F) 22=12	0(F) 23=126(F) 24=12	6(F)	
11) Dead + 0.6 MWFR Uniform Loads (plf)	· · · · · · · · · · · · · · · · · · ·	Parallel: Lumber Increase=1.60, Plate I	ncrease=1.60		
Vert: 1-2=	5, 2-4=1, 4-6=1, 6-7=15, 4				
Horz: 1-2= Concentrated Load	-27, 2-4=-13, 4-6=13, 6-7= s (lb)	21			
		19=127(F) 20=120(F) 21=121(F) 22=12 Parallel: Lumber Increase=1.60, Plate Ir		6(F)	
Uniform Loads (plf)			010000-1.00		
	16, 2-4=-21, 4-6=-21, 6-7= -4, 2-4=1, 4-6=-1, 6-7=4	-16, 11-14=-20			
Concentrated Load Vert: 9=14		19=138(F) 20=131(F) 21=133(F) 22=13	2(F) 23=138(F) 24=13	B(F)	
13) Dead + 0.6 MWFR	S Wind (Neg. Internal) 2nd	Parallel: Lumber Increase=1.60, Plate I			
	16, 2-4=-21, 4-6=-21, 6-7=	-16, 11-14=-20			
	-4, 2-4=1, 4-6=-1, 6-7=4				
Vert: 9=14	0(F) 17=130(F) 18=138(F)	19=138(F) 20=131(F) 21=133(F) 22=13	2(F) 23=138(F) 24=13	B(F)	
14) Dead + Snow on O Uniform Loads (plf)		e=1.15, Plate Increase=1.15			
Vert: 1-2=-	51, 2-4=-20, 4-6=-20, 6-7=	-51, 11-14=-20			
Continued on page 3					
WARNING - Verify desig		ON THIS AND INCLUDED MITEK REFERENCE PAG			
		gn is based only upon parameters shown, and is fo			



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Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside	143520215
2684908	GR2	Common Girder	1	2	Job Reference (optional)	
Builders First Source, Valley	Center, KS 67147	י ור		8.240 s M	Mar 9 2020 MiTek Industries, Inc. Fri N	
LOAD CASE(S) Concentrated Loads (I Vert: 9=-624(I 15) Dead: Lumber Increas Uniform Loads (plf) Vert: 1-4=-20, Concentrated Loads (I Vert: 9=-624(I 16) Dead + 0.75 Snow (ba Uniform Loads (plf) Vert: 1-2=-48, Horz: 1-2=5, 2 Concentrated Loads (I Vert: 9=28(F) 17) Dead + 0.75 Snow (ba Uniform Loads (plf) Vert: 1-2=-32, Horz: 1-2=-11 Concentrated Loads (I Vert: 9=28(F) 18) Dead + 0.75 Snow (ba Uniform Loads (plf) Vert: 1-2=-40, Horz: 1-2=-3, Concentrated Loads (I	b) F) 17=-645(F) 18=-622(F) 19= e=0.90, Plate Increase=0.90 4-7=-20, 11-14=-20 b) F) 17=-645(F) 18=-622(F) 19= I.) + 0.75(0.6 MWFRS Wind ( 2-4=-52, 4-6=-36, 6-7=-32, 1 2-4=9, 4-6=7, 6-7=-11 b) 17=18(F) 18=26(F) 19=27(F) I.) + 0.75(0.6 MWFRS Wind ( 2-4=-36, 4-6=-52, 6-7=-48, 1 , 2-4=-7, 4-6=-9, 6-7=-5 b) 17=18(F) 18=26(F) 19=27(F) I.) + 0.75(0.6 MWFRS Wind ( 2-4=-44, 4-6=-44, 6-7=-40, 1 2-4=-1, 4-6=-1, 6-7=3 b)	622(F) 20=-647(F) 21=-640(F) 22=-640(F) Plt. metal=0.90 622(F) 20=-647(F) 21=-640(F) 22=-640(F) Neg. Int) Left): Lumber Increase=1.60, Plat 1-14=-20 20=19(F) 21=21(F) 22=20(F) 23=26(F) 24= Neg. Int) Right): Lumber Increase=1.60, Pla 1-14=-20 20=19(F) 21=21(F) 22=20(F) 23=26(F) 24= Neg. Int) 1st Parallel): Lumber Increase=1.60	) 23=-626(F) 2 ) 23=-626(F) 2 e Increase=1.6 =26(F) ate Increase=1 =26(F) 50, Plate Incre	2gQSIY2g( 4=-626(F) 4=-626(F) 30	dJuzGwv6-JjC0kHT5yEd2tWDd7dPUH )	
Vert: 9=28(F) 19) Dead + 0.75 Snow (ba Uniform Loads (plf) Vert: 1-2=-3, Concentrated Loads (I Vert: 9=28(F) 20) Dead + 0.75 Roof Live Uniform Loads (plf)	17=18(F) 18=26(F) 19=27(F) I.) + 0.75(0.6 MWFRS Wind ( 2-4=-44, 4-6=-44, 6-7=-40, 1 2-4=1, 4-6=-1, 6-7=3 b) 17=18(F) 18=26(F) 19=27(F) (bal.) + 0.75(0.6 MWFRS Wi	20=19(F) 21=21(F) 22=20(F) 23=26(F) 24= nd (Neg. Int) Left): Lumber Increase=1.60,	.60, Plate Incre =26(F)		)	
Horz: 1-2=5, 2 Concentrated Loads (I Vert: 9=28(F) 21) Dead + 0.75 Roof Live Uniform Loads (plf) Vert: 1-2=-46, Horz: 1-2=-11 Concentrated Loads (I	17=18(F) 18=26(F) 19=27(F) (bal.) + 0.75(0.6 MWFRS Wi 2-4=-50, 4-6=-66, 6-7=-62, 1 , 2-4=-7, 4-6=-9, 6-7=-5 b)	20=19(F) 21=21(F) 22=20(F) 23=26(F) 24- nd (Neg. Int) Right): Lumber Increase=1.60	, Platé Increas	e=1.60		
22) Dead + 0.75 Roof Live Uniform Loads (plf) Vert: 1-2=-54, Horz: 1-2=-3, Concentrated Loads (I Vert: 9=28(F)	(bal.) + 0.75(0.6 MWFRS Wi 2-4=-58, 4-6=-58, 6-7=-54, 1 2-4=1, 4-6=-1, 6-7=3 b) 17=18(F) 18=26(F) 19=27(F)	nd (Neg. Int) 1st Parallel): Lumber Increase	=1.60, Plate In			
Vert: 1-2=-54, Horz: 1-2=-3, Concentrated Loads (I Vert: 9=28(F) 24) Dead + 0.6 MWFRS W Uniform Loads (plf) Vert: 1-2=-12, Horz: 2-4=5 Concentrated Loads (I	17=18(F) 18=26(F) 19=27(F) /ind Min. Left: Lumber Increa: 2-4=-17, 4-7=-12, 11-14=-8 b)	20=19(F) 21=21(F) 22=20(F) 23=26(F) 24= se=1.60, Plate Increase=1.60				
25) Dead + 0.6 MWFRS W Uniform Loads (plf) Vert: 1-4=-12, Horz: 4-6=-5 Concentrated Loads (I Vert: 9=43(F)	/ind Min. Right: Lumber Incre 4-6=-17, 6-7=-12, 11-14=-8 b) 17=33(F) 18=41(F) 19=42(F)	20=35(F) 21=36(F) 22=35(F) 23=41(F) 24= ase=1.60, Plate Increase=1.60 20=35(F) 21=36(F) 22=35(F) 23=41(F) 24=				
Uniform Loads (plf) Vert: 1-4=-70, Concentrated Loads (I Vert: 9=-1428 27) 2nd Dead + Roof Live Uniform Loads (plf)	4-7=-20, 11-14=-20 b) (F) 17=-1452(F) 18=-1424(F)	se=1.15, Plate Increase=1.15 19=-1424(F) 20=-1451(F) 21=-1444(F) 22= se=1.15, Plate Increase=1.15	=-1444(F) 23≕	1433(F) 2	24=-1433(F)	

Continued on page 4



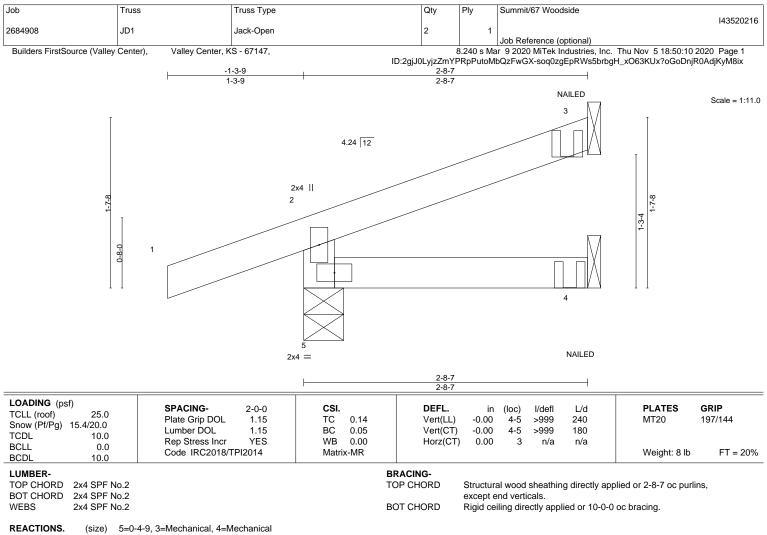
Internet         (m)         (m	Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside	
Balace In Holsson C, Valley Camer, N. Birk?         ID. 400002. JPC 2001 51           LOAD CASE(5)         Concentration Loads (6)           Concentration Loads (7)         Value 10, 2001 51, 2001 51           Value 10, 2001 51, 2001 51, 2001 51         Pathol 10, 2001 51, 2001 51           Value 10, 2001 51, 2001 51, 2001 51, 2001 51, 2001 51, 2001 52, 2001 5	2684908	GR2	Common Girder	1	2		143520215
Displace         Displace           Concernation         Concernation           Owner         Concernation           Start - 0.71         Rock - 142(2): 175 - 1424(17): 195 - 1424(17): 195 - 1424(17): 225 - 1443(17): 225 - 1433(17): 245 - 1433(17)           Start - 0.71         Rock - 142(2): 175 - 152(2	Puildora First Source, Valley	Contor KS 67147			× 240 c	Job Reference (optional)	ri Nov. 6.00:47:22.2020. Bogo 4
Concentrate Loads (b) Were 3-428(177-482)(171-4-428(17) 16-424(17) 26-445(17) 22-1444(17) 22-1443(17) 22-4433(17) 24-4433(17) Were 14-468, 47-20, 110-430(17) Were 14-468, 47-20, 111-4-20 Concentrate Loads (b) Were 14-46, 47-20, 111-4-20 Concentrate Loads (b) Were 14-20, 47-26, 111-4-20 Were 14-20, 47-20, 47-10, 67-25 Concentrate Loads (b) Were 14-20, 48-40, 77-70 Were 14-20, 77-70 Concentrate Loads (b) Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20,	Builders First Source, Valle	Center, KS 07 147		ID:4rXHhD3_rtB0			
Concentrate Loads (b) Were 3-428(177-482)(171-4-428(17) 16-424(17) 26-445(17) 22-1444(17) 22-1443(17) 22-4433(17) 24-4433(17) Were 14-468, 47-20, 110-430(17) Were 14-468, 47-20, 111-4-20 Concentrate Loads (b) Were 14-46, 47-20, 111-4-20 Concentrate Loads (b) Were 14-20, 47-26, 111-4-20 Were 14-20, 47-20, 47-10, 67-25 Concentrate Loads (b) Were 14-20, 48-40, 77-70 Were 14-20, 77-70 Concentrate Loads (b) Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20, 77-70 Were 14-20,	LOAD CASE(S)						
<ul> <li>29) Srd Dec + 0.75 Roof Live (unbalanced): Lumber increase=1.15. Plate Increase=1.15. United (unbalanced): Lumber Increase=1.15. Plate Increase=1.00. Plate Incr</li></ul>	.,	lb)					
Uniton Loads (pf) Vert 14-26, 24-20, 11-14-20 Concentrate Loads (b) (g) Th Deet 4-27, FRO UVe (unbalance) Lumber Increase-115, Plate Increase-1.15 Uniton Loads (g) Vert 14-20, 24-25, 11-14-20 Concentrate Loads (b) Vert 14-20, 24-25, 11-14-20 Concentrate Loads (b) Vert 14-20, 24-25, 11-14-20 Concentrate Loads (b) Vert 14-28, 24-24, 24-26, 57-25, 11-14-3 Concentrate Loads (b) Vert 14-28, 11-16-26, 11-1				2=-1444(F) 23=-	-1433(F) 2	24=-1433(F)	
Concentrate Loads (b) Wert 9-22(P) 17-220(P) 18-123(P) 20-123(P) 22-123(P) 22-123(P) 22-123(P) 22-123(P) 24-123(P)		Live (unbalanced): Lumber in	icrease=1.15, Plate increase=1.15				
Vert. 81227(F) 171250(F) 181223(F) 191223(F) 201230(F) 211243(F) 231231(F) 241231(F) 241231(F) 24- Vert. 81227(F) 171550(F) 181223(F) 191223(F) 201250(F) 211243(F) 231231(F) 241231(F) 241231(F) 24- Concentrated Loads (b) Vert. 81227(F) 171550(F) 181223(F) 191223(F) 201250(F) 211243(F) 231231(F) 241231(F) 241231(F) 24- Net 21223(-2410. 4-68, 1/-7.3, 1/-140 Hor: 12-23, 2410. 4-68, 1/-7.3, 1/-140 Hor: 12-23, 2410. 4-62, 0-7-15 Concentrated Loads (b) Vert. 8030(F) 17600(F) 18605(F) 19608(F) 22718(F) 21609(F) 22608(F) 23679(F) 24679(F) 17123, 2410. 4-62, 0-7-15 Concentrated Loads (b) Vert. 12-23, 2410. 4-6-10, 6-7-25 Concentrated Loads (b) Vert. 12-23, 2410. 4-6-10, 6-7-25 Concentrated Loads (b) Vert. 12-26, 2412, 4-6-10, 6-7-15 Concentrated Loads (b) Vert. 12-26, 2412, 4-6-10, 6-7-15 Concentrated Loads (b) Vert. 12-26, 2412, 4-6-10, 6-7-15 Concentrated Loads (b) Vert. 12-26, 2410, 4-6-10, 6-716 Concentrated Loads (b) Vert. 12-26, 2410, 4-6-10, 6-726 Concentrated Loads (b) Vert. 12-26, 2410, 4-6-10, 6-726 Concentrated Loads (b) Vert. 12-27, 2414, 4-14, 6-72, 6-7-0 Concentrated Loads (b) Vert. 12-27, 2414, 4-6-16, 6-724 Concentrated Loads (b) Vert. 12-27, 2414, 4-6-16, 7-74 Concentrated Loads (b) Vert. 12-27, 2414, 4-6-18, 6-727 Concentrated Loads (b) Vert. 12-27, 2414, 4-6-18, 6-72							
<ul> <li>29) #th Deat 4 0.7 &amp; Root Live (unbalanced): Lumber Increase=1.15. Plate Increase=1.16.</li> <li>20) #th Deat 4 0.7 &amp; Root Live (unbalanced): Lumber Increase=1.60. Plate Increase=1.60</li> <li>20) Wett 1-4=20, 4-4=24, 4-4=2, 4-4=2, 4-4=2, 4-7-3, 11-14-3</li> <li>20) Reveral: Deat 4 0.6 WMPRS Wind (Pos. Internal) Left: Lumber Increase=1.60. Plate Increase=1.60</li> <li>21) Wett 1-2-43, 2-4=2, 4-4=2, 4-54, 4-7-3, 11-14-3</li> <li>22) Wett 1-2-43, 24-4=2, 4-4=2, 4-7-3, 11-14-3</li> <li>23) Reveral: Deat 4 0.6 WMPRS Wind (Pos. Internal) Replicit Lumber Increase=1.60. Plate Increase=1.60</li> <li>24) Wett 1-2-43, 2-4-4=2, 4-6-4, 6-7-43</li> <li>24) Reveral: Deat 4 0.6 WMPRS Wind (Pos. Internal) Replicit Lumber Increase=1.60. Plate Increase=1.60</li> <li>24) Wett 1-6-63 W/PT SWind (Pos. Internal) Replicit Lumber Increase=1.60. Plate Increase=1.60</li> <li>24) Wett 1-6-63 W/PT SWind (Pos. Internal) Replicit Lumber Increase=1.60. Plate Increase=1.60</li> <li>25) Reveral: Deat 4 -0.6 W/PTS Wind (Pos. Internal) Replicit Lumber Increase=1.60. Plate Increase=1.60</li> <li>26) WHTS Wind (Pos. Internal) Replicit Lumber Increase=1.60, Plate Increase=1.60</li> <li>26) WHTS Wind (Pos. Internal) Replicit Lumber Increase=1.60, Plate Increase=1.60</li> <li>26) WHTS Wind (Pos. Internal) Replicit Lumber Increase=1.60, Plate Increase=1.60</li> <li>27) Wett 0-671(F) T1-687(F) 10=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>27) Reverse Deat 4 -0.6 MWPRS Wind (Pos. Internal) Replicit Lumber Increase=1.60. Plate Increase=1.60</li> <li>27) Wett 0-671(F) T1-671(F) 10=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>28) Reverse Deat 4 -0.6 MWPRS Wind (Pos. Internal) Tab PlateInt Lumber Increase=1.60</li> <li>28) Wett 0-671(F) T1-671(F) 10=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>29) Reverse Deat 4 -0.6 MWPRS Wind (Pos. Internal) Tab PlateInt Lumber Increase=1.60. Plate</li></ul>			191223(E) 201250(E) 211243(E) 2	2-12/3(F) 23-	1231(F)	241231(F)	
<ul> <li>Vert: 14-20, 47-58, 11-14-20</li> <li>Concentrated Loads (b)</li> <li>Vert: 8-1227(F) 17-1520(F) 18-1223(F) 28-1223(F) 29-1250(F) 21-1240(F) 22-1243(F) 23-1231(F) 24-1231(F)</li> <li>Johnson Loads (b)</li> <li>Vert: 12-13, 24-2, 4-69, 67-3, 11-14-6</li> <li>Hortz 1-23, 24-14, 4-20, 67-15</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-23, 24-40, 4-820, 67-15</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-32, 24-2, 4-69, 67-3, 11-14-6</li> <li>Hortz 1-23, 24-40, 4-82, 67-67, 11-14-8</li> <li>Normal Devel Deve</li></ul>		( ) ( )		2=-1243(F) 23=-	-1231(F)2	24=-1231(F)	
Concentrated Loads (b) Wett 9-122(F) 17-1260(F) 18-1223(F) 19-1223(F) 20-1250(F) 21-1243(F) 22-1243(F) 22-1231(F) 24-1231(F) 2017 Reverse Loads (b) Wett 9-122 -422, 4-26, 4-56, 7-73, 11-4-9 Wett 9-23 -422, 4-26, 4-56, 7-73, 11-4-9 Wett 9-43, 4-50, 4-75, 11-14-4 Wett 1-23, 2-442, 4-56, 4-75, 11-14-9 Wett 1-23, 2-442, 4-56, 4-75, 11-14-8 Wett 1-23, 2-442, 4-56, 4-75, 11-14-8 Wett 1-24, 2-442, 4-64, 10, 5-725 Concentrated Loads (b) Wett 1-23, 2-442, 4-64, 10, 5-725 Concentrated Loads (b) Wett 1-24, 2-442, 4-64, 10, 5-725 Concentrated Loads (b) Wett 1-24, 2-442, 4-64, 10, 5-715 Concentrated Loads (b) Wett 1-26, 2-442, 4-44, 4-61, 0, 5-725 Concentrated Loads (b) Wett 1-26, 2-442, 4-44, 10, 6-751 Solver 1-26, 2-442, 4-44, 10, 6-751 Solver 1-26, 2-442, 4-44, 4-10, 6-751 Concentrated Loads (b) Wett 1-26, 2-442, 4-44, 4-10, 6-775 Solver 1-26, 2-442, 4-44, 10, 6-775 Solver 1-26, 2-442, 4-44, 4-10, 6-775 Solver 1-26, 2-442, 4-44, 4-10, 6-776 Differ 1-26, 2-442, 4-44, 4-10, 6-776 Differ 1-26, 2-442, 4-44, 4-76, 10, 6-776 Differ 1-26, 2-47, 4-44, 4-76, 10, 7-76 Concentrated Loads (b) Wett 1-26, 2-44, 4-46, 6-720, 11-4-8 Horz, 1-26, 2-44, 4-46, 6-720, 11-4-8 Horz							
Vet: 8-122/17 17-1220(1) 18-1228(1) 19-1228(1) 20-1230(1) 20-1230(1) 22-1243(1) 22-1231(1) 24-1231(1) 24-1231(1) 44-104 (10) 19-1231(1) 4-2, 44-2, 44-2, 4-2, 4-4, 4-5-2, 7-131(1) 4-0 19-1231(1) 4-2, 4-2, 4-4, 4-2, 4-2, 5-7-3, 11-14-0 19-123-6, 2-4-10, 4-20, 5-7-15 19-1000(1) 22-680(1) 22-680(1) 22-680(1) 22-670(1) 24-673(1) 19-1231(1) 4-20 19-1231(1)							
<ul> <li>Uniom Loads (pi)</li> <li>Vert: 1-2-13, 2-4-2, 4-6-8, 6-7-3, 11-14-8</li> <li>Horz: 1-2-25, 24-10, 4-6-20, 6-7-3, 11-14-8</li> <li>Horz: 1-2-25, 24-10, 4-6-20, 6-7-3, 11-14-8</li> <li>Jeverat: Daid + 06 MWRRS Wind (Pos. Internal) Right: Lumber Increase-1.60, Plate Increase-1.60</li> <li>Uniom Loads (pi)</li> <li>Vert: 1-2-3, 2-4-2, 4-6-10, 6-7-25</li> <li>Concentrated Loads (b)</li> <li>Wert: 1-2-3, 2-4-2, 4-6-10, 6-7-25</li> <li>Concentrated Loads (b)</li> <li>Wert: 1-2-3, 2-4-2, 4-6-10, 6-7-25</li> <li>Concentrated Loads (b)</li> <li>Wert: 1-2-3, 2-4-2, 4-6-10, 6-7-51</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2-6, 2-4-2, 4-6-10, 6-7-51</li> <li>Concentrated Loads (b)</li> <li>Vert: 9-671(F) 17-687(F) 18-684(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-686(F) 24-668(F)</li> <li>Steverat: Daid + 0.6 MWRRS Wind (Neg. Internal) Right: Lumber Increase-1.60</li> <li>Uniform Loads (b)</li> <li>Vert: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-686(F) 24-668(F)</li> <li>Steverat: Daid + 0.6 MWRRS Wind (Neg. Internal) Right: Lumber Increase-1.60, Plate Increase-1.60</li> <li>Uniform Loads (b)</li> <li>Vert: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-686(F) 24-668(F)</li> <li>Steverat: Daid + 0.6 MWRRS Wind (Pos. Internal) Right: Lumber Increase-1.60, Plate Increase-1.60</li> <li>Uniform Loads (b)</li> <li>Vert: 12-62, 2-72, 2-72, 8, 1-74-2, 11-4-20</li> <li>Vert: 12-64, 2-74-72, 4-62, 6-7-6, 11-4-20</li> <li>Vert: 12-64, 2-74-72, 4-62, 6-7-6, 11-4-20</li> <li>Vert: 22-64, 24-68, 4-66, 6-7-20, 11-4-8</li> <li>Vert: 22-64, 2-74-72, 4-62, 6-7-6, 11-4-20</li> <li>Vert: 22-64, 2-74-72, 4-62, 6-7-6, 11-4-20</li> <li>Vert: 22-64, 2-74-72, 4-62, 6-7-16, 11-4-20</li> <li>Vert: 22-64, 2-74-72, 4-62, 6-7-6, 11-4-20</li> <li>Vert: 22-64, 2-74, 4-6-21, 6-7-16, 11-4-20</li> <li>Vert: 22-64, 2-74, 4-6-21, 6-7-16, 11-4-20<td>Vert: 9=-122</td><td>7(F) 17=-1250(F) 18=-1223(F)</td><td></td><td></td><td>-1231(F) 2</td><td>24=-1231(F)</td><td></td></li></ul>	Vert: 9=-122	7(F) 17=-1250(F) 18=-1223(F)			-1231(F) 2	24=-1231(F)	
Vert: 1-2-13, 24-2, 46-28, 67-25, 11-14-8           Hotz: 1-2-25, 24-40, 46-20, 67-15           Image: 1-25, 24-41, 24-60, 46-70, 71-16(F) (21-680(F) (22-674(F) (23-680(F) (24-680(F) (24-6	,	MWFRS Wind (Pos. Internal)	Left: Lumber Increase=1.60, Plate Increase	se=1.60			
Concentrated Leads (b) Wet: 9=83(1) 17-698(7) 18-665(7) 19-688(7) 20-718(7) 21-698(7) 22-678(7) 24-679(7) 24-679(7) Wet: 9=63(7) 17-698(7) 18-665(7) 19-688(7) 20-718(7) 21-698(7) 22-688(7) 22-679(7) 24-679(7) Wet: 9=63(7) 17-698(7) 17-698(7) 18-665(7) 10-687(7) 20-718(7) 21-698(7) 22-679(7) 24-679(7) Wet: 9=63(7) 17-698(7) 18-665(7) 19-67(7) 20-708(7) 21-698(7) 22-679(7) 24-679(7) 24-679(7) Wet: 9=63(7) 17-698(7) 18-665(7) 19-67(7) 20-708(7) 21-698(7) 22-679(7) 24-679(7) 24-679(7) Wet: 9=63(7) 17-698(7) 18-665(7) 19-67(7) 20-708(7) 21-688(7) 22-674(7) 23-688(7) 24-668(7) Wet: 9=717 17-82, 92, 44-10, 45-10, 67-25, 11-14-20 Wet: 9=717 17-82(7) 18-65(7) 19-67(7) 20-708(7) 21-688(7) 22-674(7) 23-688(7) 24-668(7) Wet: 9=717 17-82, 92, 44-6, 10, 67-25, 11-14-20 Wet: 9=717 17-82(7) 18-65(7) 19-657(7) 20-708(7) 21-688(7) 22-674(7) 23-688(7) 24-668(7) Wet: 12-65, 24-10, 44-12, 67-26, 11-14-20 Hoz: 12-65, 24-10, 44-12, 67-26, 11-14-20 Hoz: 12-65, 24-10, 44-15, 67-26, 11-14-20 Hoz: 12-62, 24-40, 44-16, 67-26, 11-14-20 Hoz: 12-62, 24-40, 44-16, 67-26, 11-14-20 Hoz: 12-62, 24-40, 44-65, 67-30, 11-14-20 Hoz: 12-62, 24-40, 44-65, 67-30, 11-14-20 Hoz: 12-62, 24-40, 44-65, 67-30, 11-14-30 Hoz: 12-62, 24-40, 44-65, 67-30, 11-14-30 Hoz: 12-62, 24-40, 44-65, 67-30, 11-14-30 Hoz: 12-62, 24-40, 44-65, 67-40, 11-14-20 Hoz: 12-62, 24-40, 44-65, 67-40, 11-40-20 Hoz: 12-62, 24-40, 44-65, 11-65, 17-16, 11-14-20 Hoz: 12-62, 24-41, 44-16, 67-47 Concentrated Loads (b) Wet: 9=63(7) 17-680(7) 18-656(7) 19-680(7) 21-680(7) 22-674(7) 23-660(7) 24-670(7) Hoz: 12-61, 24-21, 46-15, 67-74 Concentrated Loads (b) Wet: 12-64, 24-41, 44-16, 67-47 Concentrated Loads (b) Wet: 12-64, 24-67, 14-71, 14-20 Hoz: 12-64, 24-67, 67-71 Concentrated Loads (b) Wet: 12-64, 24-67, 14-71, 14-20 Hoz: 12-64, 24-67, 14-71 Concentrated Loads (b) Wet: 12-64, 24-67, 14-71, 14-20, 14-20 Hoz: 12-64, 24, 14-44, 4	u ,	2-4=-2, 4-6=8, 6-7=3, 11-14=	-8				
Vert: 0=-083(F) 17080(F) 10080(F) 20080(F) 21080(F) 22080(F) 22080(F) 24079(F)           Vert: 1-2-084 - 0.6 MVFRS Wind (Pos. Internal) Right Lumber Increase=1.60           Uniform Loads (pf)           Vert: 1-2-15, 2420, 46-41, 6-7-25           Concentrate: Loads, (D)           Vert: 1-2-25, 2420, 46-41, 6-7-25           Vert: 1-2-26, 2420, 46-41, 6-7-25           Vert: 1-2-26, 2420, 46-41, 6-7-25           Vert: 1-2-26, 2420, 46-41, 6-7-25, 11-14-20           Vert: 1-2-26, 2424, 46-10, 6-7-15           Vert: 1-2-26, 24-42, 46-10, 6-7-15           Concentrate: Loads (D)           Vert: 1-2-26, 24-42, 46-10, 6-7-15           Concentrate: Loads (D)           Vert: 1-2-26, 24-42, 46-10, 6-7-15           Vert: 1-2-26, 24-42, 46-10, 6-7-15           Vert: 1-2-26, 24-42, 46-10, 6-7-15           Vert: 1-2-26, 24-42, 46-10, 6-7-25           Vert: 1-2-26, 24-42, 46-42, 6-7-61           Concentrate: Loads (N)           Vert: 1-2-27, 24-41, 46-41, 6-7-65           Vert: 1-2-16, 24-12, 40-42, 6-7-64           Vert: 1-2-20, 24-41, 46-41, 6-7-65           Vert: 1-2-16, 24-12, 40-42, 42-72, 42-72, 42-72           Concentrate: Loads (N)           Vert: 1-2-16, 24-12, 46-26, 6-7-20, 11-14-84           Vert: 1-2-16, 24-12, 46-27, 15-7-16           Vert: 1-2-16, 24-27, 46-27, 6-7-41							
<ul> <li>31) Reverat: Dead + 0.6 MVFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Piate Increase=1.60</li> <li>Vert: 12-83, 24-84, 46-2, 67-83, 11-14-8</li> <li>Hoor, 12-85, 24-84, 04-8-1, 67-85</li> <li>Concontrated Loads, (b)</li> <li>Vert: 42-83, 24-84, 46-1, 67-84</li> <li>Vert: 42-83, 24-84, 46-1, 67-84</li> <li>Vert: 42-83, 24-84, 46-1, 67-84</li> <li>Vert: 42-83, 24-84, 24-84-1, 67-84, 11-14-80</li> <li>Vert: 42-83, 24-83, 24-84, 46-10, 67-815</li> <li>Concentrated Loads, (b)</li> <li>Vert: 94-674(F) 17-687(F) 18-665(F) 19-687(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>Steverst: Dead + 0.6 MVFRS Wind (Neg. Internal) Right: Lumber Increase-1.60, Piate Increase-1.60</li> <li>Vert: 94-674(F) 17-687(F) 18-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>Steverst: Dead + 0.6 MVFRS Wind (Neg. Internal) Right: Lumber Increase-1.60, Piate Increase-1.60</li> <li>Vert: 72-80, 24-83, 24-83, 26-728, 11-14-20</li> <li>Horz, 12-8, 24-41, 04-6-12, 67-86</li> <li>Concentrated Loads, (b)</li> <li>Vert: 12-80, 24-410, 46-72, 67-86</li> <li>Uniform Loads (pf)</li> <li>Vert: 12-80, 24-410, 46-72, 67-42</li> <li>Concentrated Loads, (b)</li> <li>Vert: 12-80, 24-410, 46-74, 67-75, 11-4-80</li> <li>Vert: 12-80, 24-410, 46-74, 67-75, 11-4-84(F) 12-688(F) 23-678(F) 24-679(F) 24-679(F)</li> <li>Steverst: Dead + 0.6 MVFRS Wind (Pos. Internal) 19 Parallel: Lumber Increase-1.60, Piate Increase-1.60</li> <li>Uniform Loads (pf)</li> <li>Vert: 12-80, 24-41, 44-74, 67-42</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-80, 24-41, 44-74, 67-42</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-81, 24-41, 44-74, 74-74</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-81, 24-41, 44-74, 74-74</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-81, 24-21, 44-21, 67-74</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-84, 24-41, 44-74, 74-74</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-84, 24-21, 44-21, 67-74</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-84, 24-21, 44-21, 67-74</li> <li>Concent</li></ul>			668(E) 20718(E) 21600(E) 22686(	E) 23670(E) 2	4670/F	)	
Vert: 1:2-3, 24-8, 44-9, 46-7, 1, 1:14-8           Horz: 1:2-8, 5, 24-9, 46-9, 67-725           Concentrated Loads (Ib)           Vert: 9-8387 (1:7-6-88(F) 18666(F) 28678(F) 22678(F) 22679(F) 24679(F)           23) Reversal: Dead + 0.6 MWFRS Vmd (Neg, Internal) Left: Lumber Increase=1.60           Uniform Loads (D)           Vert: 9-677(F) 17-687(F) 18657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)           23) Reversal: Dead + 0.6 MWFRS Wind (Neg, Internal) Right: Lumber Increase-1.60           Uniform Loads (D)           Vert: 9-677(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)           24) Reversal: Dead + 0.6 MWFRS Wind (Neg, Internal) Right: Lumber Increase-1.60           Uniform Loads (D)           Vert: 9-677(F) 17-687(F) 18-657(F) 19-687(F) 22-674(F) 22-674(F) 23-668(F) 24-668(F)           24-863(F) 17-686(F) 18-657(F) 19-686(F) 20-778(F) 21-688(F) 22-674(F) 23-679(F) 24-679(F)           25         Vert: 12-20, 24-16, 46-16, 67-30, 11-14-8           Horz: 12-24, 24-24-24-64-26, 67-42           Concentrated Loads (Ib)         Vert: 12-26, 24-11, 46-16, 57-15, 11-14-8           Horz: 12-42, 24-42, 44-64-16, 57-43           Vert: 12-43, 24-42, 46-16, 67-45, 11-14-8           Horz: 12-42, 24-44-46-16, 57-44           Concentrated Loads (D)           Vert: 12-43, 24-42, 46-53, 67-42           Concontrated Loads (D)					4=-073(1	)	
Hor: 1:2-16, 2:4-2, 4:6-10, 6:7-25 Concentrate Loads (b) Vert 9-638(F) 17-698(F) 18-665(F) 19-688(F) 20-718(F) 21-698(F) 22-679(F) 24-679(F) 24-679(F) Vert 32-28, 2:4-32, 4:6-10, 6:7-5, 11:14-20 Hor: 1:2-26, 2:4-32, 4:6-10, 6:7-5, 11:14-20 Hor: 1:2-26, 2:4-32, 4:6-10, 6:7-15 Concentrate Loads (b) Vert 1:2-5, 2:4-10, 4:6-32, 6:7-36, 11:14-20 Hor: 1:2-5, 2:4-10, 4:6-32, 6:7-36, 11:14-30 Hor: 1:2-5, 2:4-10, 4:6-32, 6:7-36, 11:14-3 Hor: 1:2-5, 2:4-10, 4:6-32, 6:7-36, 11:14-3 Hor: 1:2-30, 2:4-16, 4:6-16, 6:7-30, 11:14-3 Hor: 1:2-30, 2:4-16, 4:6-16, 6:7-30, 11:14-3 Hor: 1:2-42, 2:4-16, 4:6-16, 6:7-12, 11:14-3 Hor: 1:2-42, 2:4-16, 4:6-16, 6:7-12, 11:14-3 Hor: 1:2-42, 2:4-16, 4:6-16, 6:7-12, 11:14-3 Hor: 1:2-42, 2:4-16, 4:6-16, 6:7-15, 11:14-3 Hor: 1:2-42, 2:4-1, 4:6-1, 6:7-16, 11:14-30 Hor: 1:2-42, 2:4-1, 4:6-1, 6:7-16, 11:14-30 Hor: 1:2-42, 2:4-1, 4:6-1, 6:7-16, 11:14-20 Hor: 1:2-42, 2:4-1, 4:6-1, 6:7-4 Concentrate Loads (b) Wert 1:2-43, 2:4-42, 4:4-62, 6:7-44, 11:14-20 Hor: 1:2-43, 2:4-42, 4:4-62, 6:7-44, 11:			2				
Concentrated Loads (b) Vert: 9-683(F) 179-686(F) 19-666(F) 20-718(F) 21-699(F) 22-686(F) 23-673(F) 24-673(F) 23) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Vert: 1-2-62, 24-12, 4-6-10, 6-7-5 Concentrated Loads (b) Vert: 1-2-62, 24-12, 4-6-10, 6-7-5 Concentrated Loads (b) Vert: 1-2-62, 24-12, 4-6-10, 6-7-5 Concentrated Loads (b) Vert: 1-2-15, 24-4-10, 4-6-15 Concentrated Loads (b) Vert: 1-2-15, 24-4-10, 4-6-23, 6-7-6 Concentrated Loads (b) Vert: 1-2-16, 24-4-10, 4-6-23, 6-7-6 Concentrated Loads (b) Vert: 1-2-16, 24-4-10, 4-6-23, 6-7-6 Concentrated Loads (b) Vert: 1-2-415, 24-4-10, 4-6-16, 6-7-6 Concentrated Loads (b) Vert: 1-2-415, 24-4-10, 4-6-16, 6-7-6 Concentrated Loads (b) Vert: 1-2-415, 24-4-10, 4-6-16, 6-7-21 Concentrated Loads (b) Vert: 1-2-415, 24-4-10, 4-6-16, 6-7-21 Concentrated Loads (b) Vert: 1-2-415, 24-4-16, 4-6-16, 6-7-215, 11-14-2 Hor:: 1-2-42, 24-4-28, 6-7-42 Concentrated Loads (b) Vert: 1-2-45, 24-4, 4-6-1, 6-7-15, 11-14-8 Hor:: 1-2-42, 7, 24-4-16, 4-6-16, 7-15, 11-14-8 Hor:: 1-2-42, 7, 24-4-16, 4-7-16, 11-14-20 Vert: 1-2-16, 24-1, 4-6-1, 6-7-16, 11-14-20 Vert: 1-2-16, 24-1, 4-6-1, 6-7-16, 11-14-20 Vert: 1-2-16, 24-21, 4-6-21, 6-7-4, 10, 7-16, 11-14-20 Vert: 1-2-4, 24-4, 4-6-4, 6-7-4, 10, 7-1			-8				
<ul> <li>32) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60</li> <li>32) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Reprint Lumber Increase=1.60, Plate Increase=1.60</li> <li>33) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Reprint Lumber Increase=1.60, Plate Increase=1.60</li> <li>34) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Reprint Lumber Increase=1.60, Plate Increase=1.60</li> <li>35) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Reprint Lumber Increase=1.60, Plate Increase=1.60</li> <li>36) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Reprint Lumber Increase=1.60, Plate Increase=1.60</li> <li>37) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>38) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>39) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>30) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>31) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>31) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>32) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>34) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>35) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>36) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>36) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 1st Parallet. Lumber Increase=1.60, Plate Increase=1.60</li> <li>36) Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) 2st Parallet. Lumber Increase=1.60</li></ul>	Concentrated Loads (	lb)					
Uniform Loads (pl)         Vert. 12–26, 24–12, 46–10, 67–15, 11-14–20           Hor:: 12–66, 24–12, 46–10, 67–15, 11-14–20         Vert. 9–67, 1(F), 11–687, F), 18–654, F), 19–657, (F), 20–706, F), 21=-688, F), 22–674, F), 23–668, F), 24–668, F)           Si Reversal: Dead + 0.6 MWFRS Wind (Pds, Internal) Right: Lumber Increase=1.60, Plate Increase=1.60         Uniform Loads (pl)           Vert. 12–5, 24–10, 46=-32, 67–26, 11-14–20         Hor:: 12–15, 24–10, 46=-32, 67–26, 11-14–20           Vert. 12–5, 24–10, 46=-32, 67–26, 11-14–20         Vert. 12–5, 24–10, 46=-32, 67–26, 11-14–20           Vert. 12–63, P, 1(F), 118–654, F), 18–654, F), 20=-706, F), 21=-688, F), 22=-674, F), 23=-668, F)         24=-668, F)           Vert. 12–63, 24–624, FW, Wind (Pos. Internal) 13F Parallel: Lumber Increase=1.60, Plate Increase=1.60         Uniform Loads (pl)           Vert. 12–10, 24–27, 24–24, 46–28, 67–42         Concentrated Loads (b)         Vert. 12–16, 24–21, 46–16, 7–45, 11-14–8           Vert. 12–13, 24–14, 46–16, 67–15, 11-14–8         Vert. 12–67, 24–13, 46–13, 67–42         Vert. 12–12–27, 24–13, 46–13, 67–27           Concentrated Loads (b)         Vert. 12–26, 24–21, 46–21, 67–16, 11-14–20         Vert. 12–12–27, 24–14, 46–16, 67–44           Vert. 12–12–27, 24–14, 46–16, 67–44         Vert. 12–16, 24–21, 46–16, 7–44         Concentrated Loads (b)           Vert. 12–16, 24–21, 46–21, 67–16, 11-14–20         Vert. 12–16, 24–21, 46–16, 7–44         Vert. 12–16, 24–21, 46–21, 67–44           Concentrated Loads (b)         Ve					4=-679(F	)	
<ul> <li>Ver: 1-2-62, 24-32, 24-6-10, 67-5, 11:14-20</li> <li>Hor: 1-2-62, 24-12, 46-10, 67-515</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-67, 17] 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21=688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>Reversal: Deat + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (Ib)</li> <li>Ver: 1-2-5, 2-4-10, 4-6-32, 6-7-26, 11:14-20</li> <li>Hor: 1-2-5, 2-4-10, 4-6-32, 6-7-6</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-63, 2-4-10, 4-6-32, 6-7-64</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-63, 2-4-10, 4-6-16, 6-7-30, 11:14-20</li> <li>Hor: 1-2-40, 2-4-28, 4-6-28, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-40, 2-4-28, 4-6-28, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-40, 2-4-28, 4-6-28, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-47, 2-4-21, 4-6-1, 6-7-15, 11:14-8</li> <li>Hor: 1-2-47, 2-4-2, 4-4-8, 4-6-16, 6-7-20</li> <li>Verersal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (Ib)</li> <li>Ver: 1-2-637, 2-4-13, 4-6-13, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-47, 2-4-13, 4-6-16, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-47, 2-4-14, 4-6-16, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-47, 2-4-14, 4-6-16, 6-7-42</li> <li>Concentrated Loads (Ib)</li> <li>Ver: 1-2-47, 2-4-4, 4-4-16, 4-7-46</li> <li>Concentrat</li></ul>		wwwrko wind (Neg. Internal)	Len. Lumber increase=1.00, Plate increa	se=1.00			
Concentrated Loads (III) Vett: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F) 33) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60 Uniform Loads (IVI) Vett: 12-65, 2-4-10, 46-12, 67-6 Concentrated Loads (IV) Vett: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F) Vett: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F) Vett: 12-80, 2-4-61, 6-67-80, 1114-8 Hor: 12-40, 2-4-28, 4-628, 6-7-83, 6-7-42 Concentrated Loads (IVI) Vett: 12-40, 2-4-28, 4-628, 6-7-83, 6-7-42 Concentrated Loads (IVI) Vett: 12-40, 2-4-28, 4-628, 6-7-83, 0-114-8 Hor: 12-42, 2-4-28, 4-628, 6-7-83, 0-114-8 Hor: 12-42, 2-4-28, 4-628, 6-7-83, 0-7-18(F) 21-699(F) 22-686(F) 23-679(F) 24-679(F) 30 Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 704 Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (IVI) Vett: 12-615, 2-4-11, 4-6-1, 6-7-15, 11-14-8 Hor: 12-27, 2-4, 4-14, 4-6-1, 6-7-15, 11-14-8 Hor: 12-27, 2-4, 4-13, 4-6-13, 6-7-27 Concentrated Loads (IV) Vett: 12-615, 2-4-11, 4-6-1, 6-7-14 Concentrated Loads (IV) Vett: 12-617, 17-680(F) 18-668(F) 19-668(F) 20-718(F) 21-699(F) 22-679(F) 24-679(F) 30 Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) is 14 Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (IVI) Vett: 12-62, 2-4-1, 4-6-1, 6, 7-4 Concentrated Loads (IV) Vett: 9-63(F) 17-687(F) 18-664(F) 19668(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F) 37 Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (IVI) Vett: 9-63(F) 117-687(F) 11-687(F) 10-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F) 37 Reversal: Dead + 0.75 Nono Nal+0, -0.75(0.6 MWFRS Wind (Neg. Int) Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (IVI) Vett: 9-63(F) 114-687(F) 19-656(F) 19-657(F) 20-706(F) 21-688(F) 23-668(F) 24-668(F) 39 Reversal: Dead + 0.75 Nono Nal+0, -0.75(0.6 MWFRS Wind (Neg. Int) Hight)	Vert: 1-2=-26		-14=-20				
<ul> <li>Vert: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>39. Revrsat: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60. Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 12-65, 24-10, 46=-32, 6-7-66, 11-14-20</li> <li>Hot: 12-5, 24-10, 46-12, 6-7-66</li> <li>Concentrad Loads (b)</li> <li>Vert: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>A) Revrsat: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60. Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 12-63, 24-16, 46-16, 6-730, 11-14-8</li> <li>Hot: 12-20, 24-16, 46-16, 6-730, 11-14-8</li> <li>Hot: 12-20, 24-16, 46-16, 6-745, 11-14-8</li> <li>Hot: 12-22, 24-13, 46-23, 6-7-42</li> <li>Concentrade Loads (b)</li> <li>Vert: 9-683(F) 17-698(F) 18-668(F) 20-718(F) 21-699(F) 22-686(F) 23-679(F) 24-679(F)</li> <li>S) Reversat: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60. Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 9-683(F) 17-698(F) 19-668(F) 20-718(F) 21-699(F) 22-686(F) 23-679(F) 24-679(F)</li> <li>S) Reversat: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60. Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 9-683(F) 17-698(F) 18-665(F) 19-6718(F) 21-699(F) 22-686(F) 23-679(F) 24-679(F)</li> <li>S) Reversat: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60. Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 9-683(F) 17-698(F) 19-654(F) 19-677(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-678(F)</li> <li>S) Reversat: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60. Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 9-671(F) 17-687(F) 18-654(F) 19-657(F) 20-706(F) 21-688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>S) Reversat: Dead + 0</li></ul>							
<ul> <li>33) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Vett: 12=5, 2-4=10, 46=32, 6-7=26, 11-14=20</li> <li>Hor: 12=6, 2-4=10, 46=32, 6-7=26, 11-14=20</li> <li>Vett: 12=6, 71(7) 17=687(F) 18=657(F) 20=-706(F) 21=688(F) 22=674(F) 23=-668(F) 24=668(F)</li> <li>34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (ID)</li> <li>Vett: 12=40, 2-428, 46=28, 6-7=42</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=40, 2-441, 46=16, 6-7=30, 11-14=8</li> <li>Hor: 12=40, 2-4413, 46=16, 6-7=40, 11-14=8</li> <li>Hor: 12=40, 2-4413, 46=13, 6-7=45</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=76, 2-44-13, 46=13, 6-7=47</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=76, 2-44-13, 46=13, 6-7=47</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=76, 2-44-13, 46=13, 6-7=76</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=76, 2-44-13, 46=13, 6-7=77</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=76, 2-44-13, 46=13, 6-7=47</li> <li>Concentrated Loads (ID)</li> <li>Vett: 12=76, 2-44-14, 46=-14, 6-7=16, 11-14=-20</li> <li>Hor: 12=76, 14, 2-44, 14-64-14, 6-7=16, 11-14=-20</li> <li>Hor: 12=76, 2-44-21, 4-6=-21, 6-7=16, 11-14=-20</li> <li>Hor: 12=76, 2-44-21, 4-6=-21, 6-7=16, 11-14=-20</li> <li>Hor: 12=76, 2-44-21, 4-6=-14, 6-7=16, 11-14=-20&lt;</li></ul>			=-657(F) 20=-706(F) 21=-688(F) 22=-674(	F) 23=-668(F) 2	4=-668(F	)	
<ul> <li>Ver: 12-65, 24-4-10, 45-726, 11-14-20</li> <li>Horz: 12-e15, 24-4-10, 45-12, 67-65</li> <li>Concentrated Loads (b)</li> <li>Ver: 9-671(F) 17=687(F) 18-654(F) 19=657(F) 20=706(F) 21=688(F) 22=674(F) 23=668(F) 24=668(F)</li> <li>Reversal: Dead + 0.6 MWRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 12-240, 24-28, 45-28, 45-24</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-42, 24-24-28, 45-26, 67-42</li> <li>Concentrated Loads (pl)</li> <li>Vert: 12-46, 14-16, 67-16, 11-14-26</li> <li>Horz: 12-42, 24-4-28, 45-28, 45-27</li> <li>Concentrated Loads (pl)</li> <li>Vert: 12-45, 24-4-1, 45-1, 67-16, 11-14-8</li> <li>Horz: 12-42, 24-4-13, 45-16, 77-27</li> <li>Concentrated Loads (b)</li> <li>Vert: 12-45, 24-4-1, 45-1, 67-27</li> <li>Concentrated Loads (b)</li> <li>Vert: 23-63(F) 17-683(F) 18-665(F) 19=-666(F) 123-669(F) 22-679(F) 24-679(F)</li> <li>Reversal: Dead + 0.6 MWRRS Wind (Veg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 12-45, 24-41, 45-16, 71-41, 45-16, 11-14-20</li> <li>Horz: 12-24, 24-41, 45-71, 67-46, 11-14-20</li> <li>Horz: 12-24, 24-41, 45-71, 67-46, 11-14-20</li> <li>Horz: 12-42, 24-41, 45-71, 67-46, 11-14-20</li> <li>Horz: 12-42, 24-41, 45-71, 67-46, 11-14-20</li> <li>Horz: 12-46, 24, 24-41, 45-71, 67-46, 11-14-20</li> <li>Horz: 12-46, 24, 24-46, 46, 10-654(F) 19-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>Yert: 39-671(F) 17-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>Neversal: Dead + 0.6 MWRS Wind (Neg. Intrana) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 39=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>Seversal: Dead + 0.6 Sonovelal) + 0</li></ul>	33) Reversal: Dead + 0.6				· ·	,	
<ul> <li>Hoz: 1-2=-15, 2-4=-10, 4-6=-12, 6-7=-6</li> <li>Concentrated Loads (b)</li> <li>Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>(4) Protect Loads (c)</li> <li>Vert: 1-2=-30, 2-4=-16, 4-6=-16, 6-7=-30, 11-14=-8</li> <li>Hoz: 1-2=-42, 2-4=-28, 4-6=-28, 6-7=-42</li> <li>Concentrated Loads (b)</li> <li>Vert: 9=-687(F) 17=-688(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)</li> <li>(5) Reversal: Dead + 0.6 MWRRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 1-2=3, 2-4=-13, 4-6=-13, 6-7=27</li> <li>Concentrated Loads (b)</li> <li>Vert: 9=-688(F) 17=-688(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)</li> <li>(3) Reversal: Dead + 0.6 MWRRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-13, 6-7=27</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-13, 6-7=27</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-13, 6-7=27</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-13, 6-7=4</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-13, 6-7=4</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=-21, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (b)</li> <li>Vert: 1-2=-6, 2-4=, 1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (c)</li> <li>Vert: 1-2=-6, 2-4=, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (c)</li> <li>Vert: 1-2=-6, 2-4=, 1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (c)</li> <li>Vert: 1-2=-6, 2-4, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (c)</li></ul>			14-20				
Concentrated Loads (th) Vert: 9-671(F) 17–687(F) 18–654(F) 19–657(F) 20–706(F) 21–688(F) 22–674(F) 23–668(F) 24–668(F) 43( Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12–80, 2-4=16, 4-6=16, 6-7–30, 11-14–8 Hoz: 12–24, 2-4=20, 4-6=20, 6-7=42 Concentrated Loads (lt) Vert: 9-683(F) 17–698(F) 18–665(F) 20–718(F) 21–699(F) 22=-686(F) 23–679(F) 24–679(F) 53( Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 9-27, 2-4=13, 4-6=13, 6-7=27 Concentrated Loads (lt) Vert: 9-27, 2-4=13, 4-6=13, 6-7=27 Concentrated Loads (lt) Vert: 9-638(F) 17–698(F) 18–665(F) 19–668(F) 20–718(F) 21–699(F) 22–686(F) 23–679(F) 24–679(F) 53( Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 9-263(F) 17–698(F) 18–654(F) 19–654(F) 20–706(F) 21–698(F) 22–674(F) 23–669(F) 24–679(F) 53( Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 9-2671(F) 17–687(F) 18–654(F) 19–657(F) 20–706(F) 21–688(F) 22–674(F) 23–668(F) 24–668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12–16, 2-4=21, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 12–46, 2-4=21, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 12–46, 2-4=52, 4-6=-34, 6-7=-45 Concentrated Loads (lb) Vert: 12–48, 2-4=52, 4-6=-34, 6-7=-45 Concentrated Loads (lb) Vert: 12–48, 2-4=52, 4-6=-36, 6-7=-32, 11-14=-20 Hoz: 12–52, 2-4=3, 4-6=-36, 6-7=-32, 11-14=-20 Hoz: 12–52, 2-4=-34, 4-6=-36, 6-7=			-14=-20				
<ul> <li>34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Unform Loads (pli)</li> <li>Vert: 12-230, 2-4+16, 4-6=16, 6-7-30, 11-14=-8</li> <li>Horz: 1-2-42, 2-4=28, 4-6=28, 6-7-42</li> <li>Concentrated Loads (l)</li> <li>Vet: 9-683(F) 17-698(F) 18-665(F) 19668(F) 20-718(F) 21-699(F) 22686(F) 23679(F) 24679(F)</li> <li>Si Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pli)</li> <li>Vet: 12-215, 2-4=1, 4-6=1, 6-7=15, 11-148</li> <li>Horz: 1-2-27, 2-4-13, 4-6=13, 6-7=27</li> <li>Concentrated Loads (b)</li> <li>Vet: 9-683(F) 17-698(F) 19-668(F) 20-718(F) 21-699(F) 22-686(F) 23-679(F) 24-679(F)</li> <li>Si Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) ist Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pli)</li> <li>Vet: 12-2-16, 2-4-21, 4-6=21, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vet: 9-671(F) 17-687(F) 18=-654(F) 19-657(F) 20-706(F) 21=-688(F) 22-674(F) 23-668(F) 24-668(F)</li> <li>37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pli)</li> <li>Vet: 12-2-16, 2-4-21, 4-6=21, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vet: 12-2-16, 2-4-21, 4-6=21, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vet: 12-2-16, 2-4-21, 4-6=21, 6-7=16, 11-14=-20</li> <li>Horz: 12-24, 2-41, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vet: 12-2-16, 2-4-21, 4-6=21, 6-7=16, 11-14=-20</li> <li>Horz: 12-24, 2-41, 4-46=-1, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vet: 12-2-68, 2-4=-24, 4-6=-26, 6-7=10, 2-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>88) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Lett): Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (lb)</li> <li>Vet: 12-32, 2-4=-34, 4-6=-32, 11-14=-20</li> <li>Horz: 12-26, 2-4=-34, 4-6=-34, 6-7=42, 2-1114=-20</li> <li>Horz: 12-26, 2-4=, 3</li></ul>	Concentrated Loads (	lb)					
Uniform Loads (plf)       Vert: 12-20, 24-16, 4-6-16, 6-7=30, 11-14=-8         Horz: 12-2-42, 2-4=-28, 4-6=28, 6-7=42         Concentrated Loads (lb)         Vert: 3=-683(F) 17=-698(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)         33) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60         Uniform Loads (plf)         Vert: 12-215, 2-4=1, 4-6=1, 6-7=15, 11-14=-8         Horz: 12-22-7, 2-4=-13, 4-6=1, 6-7=15, 11-14=-8         Horz: 12-22-7, 2-4=-13, 4-6=1, 6-7=15, 11-14=-8         Horz: 12-22-7, 2-4=-13, 4-6=1, 6-7=4         Concentrated Loads (lb)         Vert: 19=-683(F)         Vert: 9-683(F)         Vert: 9-683(F)         12-24, 2-4=1, 4-6=-1, 6-7=-16, 11-14=-20         Horz: 12-2-16, 2-4=-21, 6-7=-16, 11-14=-20         Horz: 12-2-16, 2-4=-21, 6-7=-16, 11-14=-20         Vert: 12-2-16, 2-4=-21, 6-7=-16, 11-14=-20         Horz: 12-2-16, 2-4=-21, 6-7=-16, 11-14=-20         Horz: 12-2-4, 2-4=1, 4-6=-1, 6-7=4         Concentrated Loads (lb)         Vert: 12-2-16, 2-4=-21, 6-7=-16, 11-14=-20         Horz: 12-2-4, 2-4=1, 4-6=-1, 6-7=4         Concentrated Loads (lb)         Vert: 12-2-67(F)         Vert: 12-2-67(F)         Vert: 12-2-67(F)         14-52         Horz: 1					4=-668(F	)	
Horz: 1-2=-42, 2-4=-28, 4-6=28, 6-7=42         Concentrated Loads (b)         Vert: 9=-683(F) 17=-698(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)         33) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60         Uniform Loads (pli)         Vert: 1-2=-15, 2-4=-13, 4-6=1, 6-7=15, 11-14=-8         Horz: 12=-27, 2-4=-13, 4-6=1, 6-7=15, 11-14=-8         Horz: 12=-27, 2-4=-13, 4-6=1, 6-7=45         Concentrated Loads (b)         Vert: 9=-683(F) 17698(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)         (36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60         Uniform Loads (pli)         Vert: 1-2=-16, 2-4=-21, 4-6=-1, 6-7=4         Concentrated Loads (b)         Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20         Horz: 1-2=-4, 2-4=1, 4-6=-16, 6-7=4         Concentrated Loads (b)         Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20         Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4         Concentrated Loads (b)         Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20         Horz: 1-2=-4, 2-4=-1, 4-6=-16, 7=4         Concentrated Loads (b)         Vert: 1-2=-63, 2-4=-21, 4-6=-36, 6-7=-32         Vert: 1-2=-63, 2-4=-21, 4-6=-36, 6-7=-32         Vert: 1-		www.rks.wind (Fos. internal)		Increase=1.00			
Concentrated Loads (lb) Vert: 9=-683(F) 17=-698(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F) 35) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=15, 2-4=1, 4-6=1, 6-7=15, 11-14=-8 Horz: 1-2=-72, 2-4=-13, 4-6=1, 6-7=27 Concentrated Loads (b) Vert: 9=-683(F) 17=-698(F) 18=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F) 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (b) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=-1, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=4 Concentrated Loads (b) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=4 Concentrated Loads (b) Vert: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=4 Concentrated Loads (b) Vert: 1-2=-4, 2-4=-5, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=-9, 4-6=-7, 6-7=11 Concentrated Loads (b) Vert: 1-2=-03, 2-4=-5, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=-9, 4-6=-7, 6-7=11 Concentrated Loads (b) Vert: 1-2=-03, 2-4=-5, 4-6=-36, 6-7=-5 Concentrated Loads (b) Vert: 1-2=-30, 2-4=-52, 4-6=-36, 6-7=-5 Concentrated Loads (b) Vert: 1-2=-30, 2-4=-54, 4-6=-5, 6-7=-5 Concentrated Loads (b)			4=-8				
Vert: 9-e63(p) 17-e683(F) 18=-665(F) 20=-716(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)           35) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60           Uniform Loads (pl)           Vert: 1-2=15, 2-4=1, 4-6=1, 6-7=15, 11-14=-8           Horz: 1-2=-27, 2-4=-13, 4-6=13, 6-7=27           Concentrated Loads (lb)           Vert: 9=683(F) 17=-698(F) 18=-666(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-678(F) 23=-679(F) 24=-679(F)           36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60           Uniform Loads (pl)           Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20           Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4           Concentrated Loads (lb)           Vert: 9=-671(F) 17=-687(F) 18=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)           37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60           Uniform Loads (pl)           Vert: 9=-671(F) 17=-687(F) 18=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)           38) Reversal: Dead + 0.75 Show (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60           Uniform Loads (pl)           Vert: 9=-677(F) 17=-029(F) 18=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 23=-668(F)           38) Reversal: Dead + 0.75 Show (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60							
Uniform Loads (plf) Vert: 1-2=15, 2-4=13, 4-6=13, 6-7=27 Concentrated Loads (lb) Vert: 9-683(F) 17=-688(F) 18=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F) 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-687(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=-16, 11-14=-20 Horz: 1-2=-48, 2-4=-1, 4-6=-1, 6-7=-16, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=-9, 4-6=-7, 6-7=-11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75 (0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)	· · · · · · · · · · · · · · · · · · ·	,	=-668(F) 20=-718(F) 21=-699(F) 22=-686(	F) 23=-679(F) 2	4=-679(F	)	
<ul> <li>Vert: 1<sup>2</sup>/<sub>2</sub>=15, 24=1, 4.6=1, 6.7=15, 11-14=-8 Horz: 1:2=-27, 2.4=-13, 4.6=13, 6.7=27</li> <li>Concentrated Loads (lb) Vert: 9=-683(F) 17=-698(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)</li> <li>36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (lb) Vert: 1-2=-671(F) 17=-687(F) 18=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=9, 4-6=7, 6-7=11</li> <li>Concentrated Loads (lb) Vert: 9=-067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F)</li> <li>39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (lb) Vert: 1-2=-32, 2-4=-9, 4-6=-7, 6-7=-14</li> <li>Concentrated Loads (lb) Vert: 1-2=-32, 2-4=-9, 4-6=-7, 6-7=-14</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-1, 2-4=-7, 4-6=-9, 6-7=-5</li> <li>Concentrated Loads (lb)</li> </ul>	,	MWFRS Wind (Pos. Internal)	2nd Parallel: Lumber Increase=1.60, Plate	e Increase=1.60	)		
Horz: 1-2=-27, 2-4=-13, 4-6=13, 6-7=27 Concentrated Loads (lb) Vert: 9=-682(F) 17=-698(F) 18=-665(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F) 36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 2-4==-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-41, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)	u ,	2-4=1 4-6=1 6-7=15 11-14=	=-8				
<ul> <li>Vert: 9=-683(F) 17=-698(F) 18=-666(F) 19=-668(F) 20=-718(F) 21=-699(F) 22=-686(F) 23=-679(F) 24=-679(F)</li> <li>36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (pl)</li> <li>Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20</li> <li>Horz: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (plf)</li> <li>Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20</li> <li>Horz: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-46, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20</li> <li>Horz: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=4</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20</li> <li>Horz: 1-2=-53, 2-4=-9, 4-6=-7, 6-7=11</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-48, 2-4=-7, 4-6=-36, 6-7=-32, 11-14=-20</li> <li>Horz: 1-2=-53, 2-4=-9, 4-6=-7, 6-7=11</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-32, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20</li> <li>Horz: 1-2=-53, 2-4=-9, 4-6=-7, 6-7=-11</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-32, 2-4=-36, 4-6=-76, 6-7=-12, 11-14=-20</li> <li>Horz: 1-2=-53, 2-4=-9, 4-6=-76, 6-7=-12, 11-14=-20</li> <li>Horz: 1-2=-53, 2-4=-9, 4-6=-76, 6-7=-14</li> <li>Concentrated Loads (lb)</li> <li>Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20</li> <li>Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20</li> <li>Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20</li> <li>Horz: 1-2=-32, 2-4=-7, 4-6=-9, 6-7=-5</li> <li>Concentrated Loads (lb)</li> </ul>			-				
<ul> <li>36) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=-4</li> <li>Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-4, 2-4=1, 4-6=-1, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=-4</li> <li>Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=9, 4-6=-7, 6-7=-11</li> <li>Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F)</li> <li>39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-52, 2-4=-9, 4-6=-7, 6-7=-14</li> <li>Concentrated Loads (lb) Vert: 1-2=-43, 2-4=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-41, 2-4=-7, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz</li></ul>			669(E) 20 719(E) 21 600(E) 22 696(	E) 22 - 670/E) 2	4 670/E	<b>`</b>	
Uniform Loads (pf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pf) Vert: 1-2=-4, 2-4=-1, 4-6=-1, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 4-6=-7, 6-7=-11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pf) Vert: 1-2=-32, 2-4=-36, 4-6=-7, 6-7=-14 Concentrated Loads (lb) Vert: 1-2=-32, 2-4=-36, 4-6=-7, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-52 Concentrated Loads (pf)					4=-679(F	)	
Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=-3, 4-6=-7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)	Uniform Loads (plf)						
Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=5, 2-4=9, 4-6=-7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=9, 4-6=-7, 6-7=-11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)			1-14=-20				
<ul> <li>37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=-4</li> <li>Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F)</li> <li>38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-52, 2-4=9, 4-6=-7, 6-7=11</li> <li>Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F)</li> <li>39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)</li> </ul>							
Uniform Loads (plf) Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=5, 2-4=9, 4-6=7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-31, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)						)	
Vert: 1-2=-16, 2-4=-21, 4-6=-21, 6-7=-16, 11-14=-20 Horz: 1-2=-4, 2-4=1, 4-6=-1, 6-7=4 Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=9, 4-6=7, 6-7=-11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)	,	MWFRS Wind (Neg. Internal)	2nd Parallel: Lumber Increase=1.60, Plat	e Increase=1.60	)		
Concentrated Loads (lb) Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=5, 2-4=9, 4-6=7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)		, 2-4=-21, 4-6=-21, 6-7=-16, 1	1-14=-20				
Vert: 9=-671(F) 17=-687(F) 18=-654(F) 19=-657(F) 20=-706(F) 21=-688(F) 22=-674(F) 23=-668(F) 24=-668(F) 38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=5, 2-4=9, 4-6=7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)							
<ul> <li>38) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=-5, 2-4=9, 4-6=-7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F)</li> <li>39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)</li> </ul>			=-657(F) 20=-706(F) 21=-688(F) 22=-674(	F) 23=-668(F) 2	4=-668(F	)	
Vert: 1-2=-48, 2-4=-52, 4-6=-36, 6-7=-32, 11-14=-20 Horz: 1-2=5, 2-4=9, 4-6=7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)							
Horz: 1-2=5, 2-4=9, 4-6=7, 6-7=11 Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)		0 4 50 4 0 00 0 7 00 4	4.44				
Concentrated Loads (lb) Vert: 9=-1067(F) 17=-1029(F) 18=-958(F) 19=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016(F) 23=-1011(F) 24=-1011(F) 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)			1-14=-20				
<ul> <li>39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60</li> <li>Uniform Loads (plf)</li> <li>Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20</li> <li>Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5</li> <li>Concentrated Loads (lb)</li> </ul>							
Uniform Loads (plf) Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)		() () ()		· · /	· · /	( )	
Vert: 1-2=-32, 2-4=-36, 4-6=-52, 6-7=-48, 11-14=-20 Horz: 1-2=-11, 2-4=-7, 4-6=-9, 6-7=-5 Concentrated Loads (lb)	,	5 SHOW (Dal.) + 0.75(0.6 MWF	Ko wind (Neg. Int) Right): Lumber Increa	se=1.60, Plate I	ncrease=	00.1	
Concentrated Loads (Ib)	u ,	, 2-4=-36, 4-6=-52, 6-7=-48, 1	1-14=-20				
			19=-996(F) 20=-1150(F) 21=-1084(F) 22=-	-1016(F) 23=-10	)11(F) 24-	=-1011(F)	
40) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60							

Continued on page 5



	<del>.</del>	<b>-</b> -	0	BI		
Job	Truss	Truss Type	Qty	Ply	Summit/67 Woodside	143520215
2684908	GR2	Common Girder	1			143320213
	-			2	Job Reference (optional)	
Builders First Source, Valley	Center, KS 67147					. Fri Nov 6 09:47:22 2020 Page 5
		ID:4rX	HhD3_rtBC	CgQSIY2go	dJuzGwv6-JjC0kHT5yEd2tWDd7c	dPUHfuxD?TbkaSK4CKA78yLxZp
Horz: 1-2=-3, 2 Concentrated Loads (lb Vert: 9=-1067( 41) Reversal: Dead + 0.75 Uniform Loads (plf) Vert: 1-2=-40, ; Horz: 1-2=-3, 2 Concentrated Loads (lb Vert: 9=-1067( 42) Reversal: Dead + 0.75 Uniform Loads (plf) Vert: 1-2=-62, ;	<ul> <li>T7=-1029(F) 18=-958(F) 1</li> <li>Tow (bal.) + 0.75(0.6 MWFI</li> <li>2-4=-44, 4-6=-44, 6-7=-40, 1</li> <li>-4=1, 4-6=-1, 6-7=3</li> <li>T7=-1029(F) 18=-958(F) 1</li> <li>Roof Live (bal.) + 0.75(0.6 M</li> <li>2-4=-66, 4-6=-50, 6-7=-46, 1</li> <li>4=9, 4-6=7, 6-7=11</li> </ul>	1-14=-20 9=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016( RS Wind (Neg. Int) 2nd Parallel): Lumber Increa 1-14=-20 9=-996(F) 20=-1150(F) 21=-1084(F) 22=-1016( WFRS Wind (Neg. Int) Left): Lumber Increase=	F) 23=-10 se=1.60, F) 23=-10	011(F) 24= Plate Incr 011(F) 24=	1011(F) ease=1.60 1011(F)	
Vert: 9=-1112( 43) Reversal: Dead + 0.75 Uniform Loads (plf) Vert: 1-2=-46, : Horz: 1-2=-11, Concentrated Loads (lb Vert: 9=-1112(	) 17=-1130(F) 18=-1097(F) Roof Live (bal.) + 0.75(0.6 M 2-4=-50, 4-6=-66, 6-7=-62, 1 2-4=-7, 4-6=-9, 6-7=-5 ) F) 17=-1130(F) 18=-1097(F)	19=-1099(F) 20=-1144(F) 21=-1128(F) 22=-11 <sup>-</sup> WFRS Wind (Neg. Int) Right): Lumber Increase 1-14=-20 19=-1099(F) 20=-1144(F) 21=-1128(F) 22=-11 <sup>-</sup> WFRS Wind (Neg. Int) 1st Parallel): Lumber Inc	=1.60, Pla 8(F) 23=-	ate Increas	se=1.60 24=-1111(F)	
Uniform Loads (plf) Vert: 1-2=-54, J Horz: 1-2=-3, 2 Concentrated Loads (lb Vert: 9=-1112( 45) Reversal: Dead + 0.75 Uniform Loads (plf) Vert: 1-2=-54, J	2-4=-58, 4-6=-58, 6-7=-54, 1 -4=1, 4-6=-1, 6-7=3 ) F) 17=-1130(F) 18=-1097(F) Roof Live (bal.) + 0.75(0.6 M 2-4=-58, 4-6=-58, 6-7=-54, 1 -4=1, 4-6=-1, 6-7=3	1-14=-20 19=-1099(F) 20=-1144(F) 21=-1128(F) 22=-11 WFRS Wind (Neg. Int) 2nd Parallel): Lumber In	8(F) 23=-	-1111(F) 2	24=-1111(F)	
Vert: 9=-1112( 46) Reversal: Dead + 0.6 M Uniform Loads (plf) Vert: 1-2=-12, : Horz: 2-4=5 Concentrated Loads (lb Vert: 9=-598(F 47) Reversal: Dead + 0.6 M Uniform Loads (plf) Vert: 1-4=-12, Horz: 4-6=-5 Concentrated Loads (lb	) 7) 17=-1130(F) 18=-1097(F) WFRS Wind Min. Left: Lumb 2-4=-17, 4-7=-12, 11-14=-8 ) 17=-613(F) 18=-581(F) 19= WFRS Wind Min. Right: Lun 4-6=-17, 6-7=-12, 11-14=-8 )	19=-1099(F) 20=-1144(F) 21=-1128(F) 22=-11 ber Increase=1.60, Plate Increase=1.60 -583(F) 20=-633(F) 21=-614(F) 22=-601(F) 23= ber Increase=1.60, Plate Increase=1.60	-594(F) 2	4=-594(F)		





Max Horz 5=56(LC 16)

Max Uplift 5=-55(LC 16), 3=-20(LC 13)

Max Grav 5=250(LC 21), 3=66(LC 21), 4=47(LC 7)

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

### NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 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) Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

- 10) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

## LOAD CASE(S) Standard

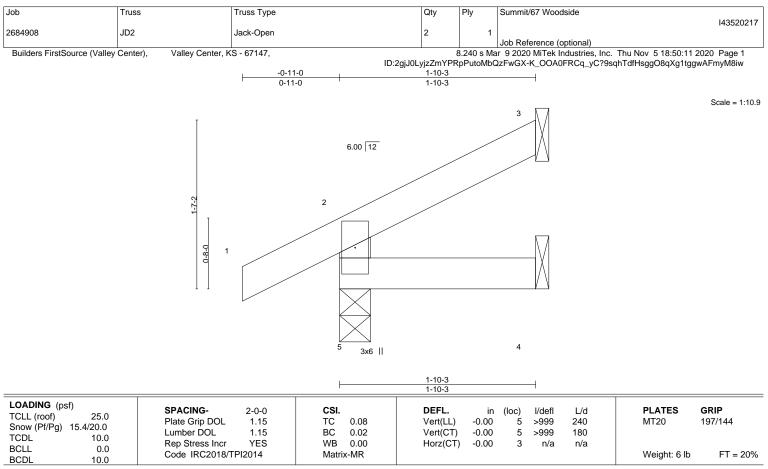
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-2=-51, 2-3=-51, 4-5=-20 Concentrated Loads (lb)

Vert: 3=-8(F) 4=-1(F)







LUMBER-

 TOP CHORD
 2x4 SPF No.2

 BOT CHORD
 2x4 SPF No.2

 WEBS
 2x4 SPF No.2

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-10-3 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical Max Horz 5=56(LC 16) Max Uplift 5=-33(LC 16), 3=-14(LC 16)

Max Grav 5=179(LC 21), 3=42(LC 21), 4=30(LC 7)

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

## NOTES-

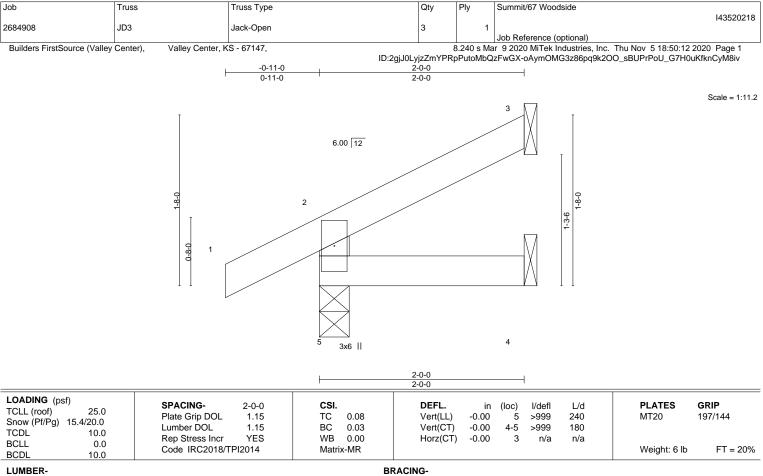
- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); ls=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.







2x4 SPF No.2 2x4 SPF No.2 BOT CHORD WEBS 2x4 SPF No.2

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical Max Horz 5=58(LC 16) Max Uplift 5=-33(LC 16), 3=-16(LC 16)

Max Grav 5=185(LC 21), 3=49(LC 21), 4=33(LC 7)

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

## NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.

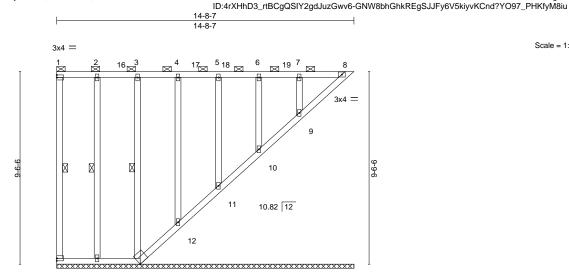
4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.











	4-1-9 4-1-9		<u>14-8-7</u> 10-6-14					
LOADING (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         20.4/20.0           TCDL         10.0           BCLL         0.0           DOD         10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	<b>CSI.</b> TC 0.45 BC 0.20 WB 0.14 Matrix-S	<b>DEFL.</b> Vert(LL) Vert(CT) Horz(CT)	n/a	;) l/defl - n/a - n/a 8 n/a	L/d 999 999 n/a	PLATES MT20 Weight: 89 lb	<b>GRIP</b> 197/144 FT = 20%
BCDL 10.0		В	RACING-					

BOT CHORD

WEBS

# LUMBER-

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 OTHERS 2x4 SPF No.2

REACTIONS. All bearings 14-8-7.

Max Horz 15=-233(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 15, 14, 13, 12, 11, 10, 9 except 8=-101(LC 14) Max Grav All reactions 250 lb or less at joint(s) 15, 8, 14, 13, 12, 11, 10, 9

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

### NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 11-3-14, Corner(3) 11-3-14 to 14-3-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 14, 13, 12, 11, 10.9 except (it=lb) 8=101
- 8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8, 12, 11, 10, 9.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



2-0-0 oc purlins (6-0-0 max.): 1-8, except end verticals.

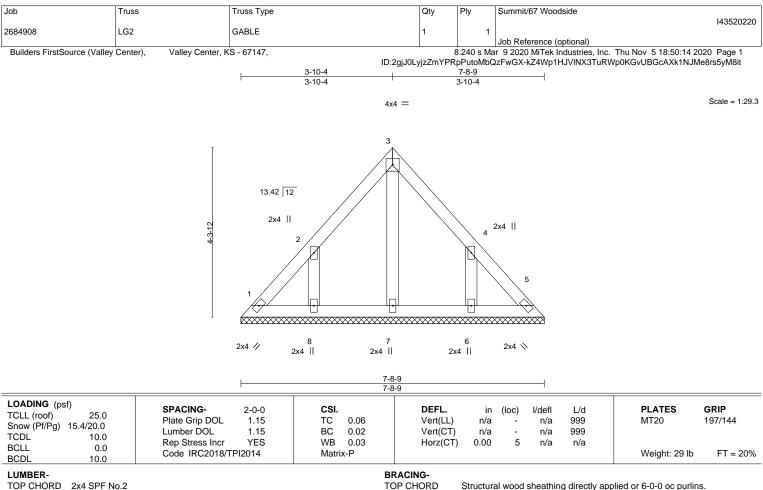
1-15, 2-14, 3-13

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

1 Row at midpt

Scale = 1:57.0

MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017



BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.2

**REACTIONS.** All bearings 7-8-9.

(lb) - Max Horz 1=-101(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 8, 6

Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7, 8, 6

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

## NOTES-

1) Unbalanced roof live loads have been considered for this design.

 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-3-15 to 3-3-15, Interior(1) 3-3-15 to 3-10-4, Exterior(2R) 3-10-4 to 6-10-4, Interior(1) 6-10-4 to 7-4-10 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

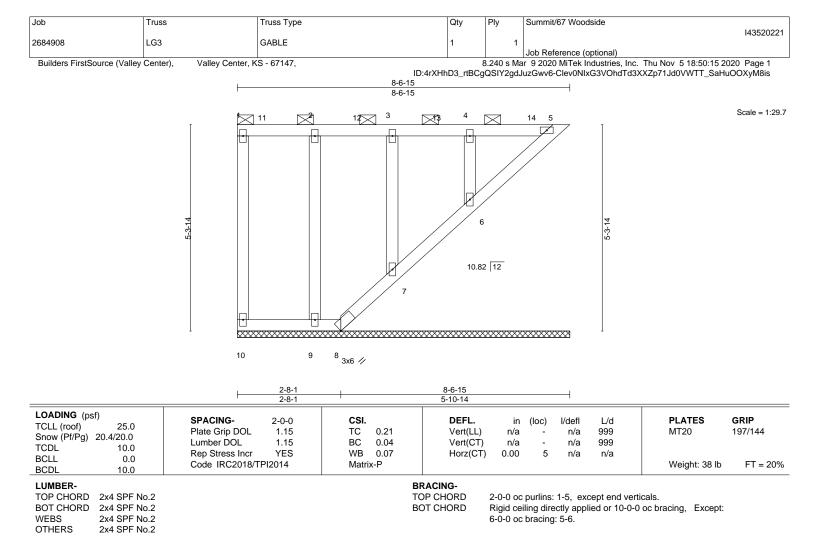
3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

4) Gable requires continuous bottom chord bearing.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 8, 6.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.







REACTIONS. All bearings 8-6-15.

Max Horz 10=-127(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 10, 5, 8, 9, 7, 6

Max Grav All reactions 250 lb or less at joint(s) 10, 5, 8, 9, 7, 6

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

### NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 5-2-6, Corner(3) 5-2-6 to 8-2-6 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 5, 8, 9, 7, 6.
- 8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 7, 6.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1.

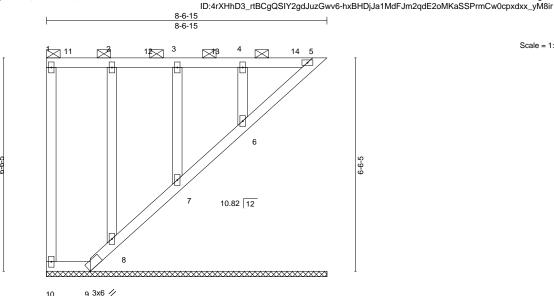
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







Builders FirstSource (Valley Center), Valley Center, KS - 67147,



Scale = 1:35.2



	<u>  1-4-1</u>  -4-1	<u>8-6-1</u> 7-2-1						
LOADING         (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         20.4/20.0           TCDL         10.0           BCLL         0.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	<b>CSI.</b> TC 0.33 BC 0.04 WB 0.08	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) n/a - n/a - 0.00 {	n/a n/a	L/d 999 999 n/a	PLATES MT20	<b>GRIP</b> 197/144
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P					Weight: 41 lb	FT = 20%

# LUMBER-

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 2x4 SPF No.2 OTHERS

BRACING-TOP CHORD BOT CHORD

2-0-0 oc purlins: 1-5, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 5-6.

REACTIONS. All bearings 8-6-15.

Max Horz 10=-157(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 10, 5, 9, 8, 7, 6

Max Grav All reactions 250 lb or less at joint(s) 10, 5, 9, 8, 7, 6

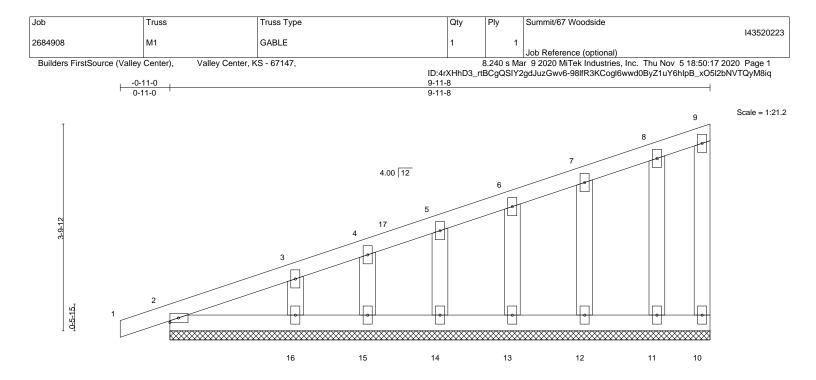
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 5-2-6, Corner(3) 5-2-6 to 8-2-6 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=20.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 5, 9, 8, 7, 6.
- 8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5, 8, 7, 6.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.







LOADING (psf) TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0 TCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.07 BC 0.04 WB 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	in 0.00 0.00 0.00	(loc) 1 1 10	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20	<b>GRIP</b> 197/144
BCLL 0.0 BCDL 10.0	Code IRC2018/TPI2014	Matrix-S	()					Weight: 41 lb	FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2		Т	OP CHORD	except er	nd verti	cals.	0, , ,	oplied or 6-0-0 oc purlir 0 oc bracing.	ns,

2x4 SPF No.2
2x4 SPF No.2
2x4 SPF No.2

REACTIONS. All bearings 9-11-8.

Max Horz 2=120(LC 15) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 10, 2, 14, 15, 16, 13, 12, 11 Max Grav All reactions 250 lb or less at joint(s) 10, 2, 14, 15, 16, 13, 12, 11

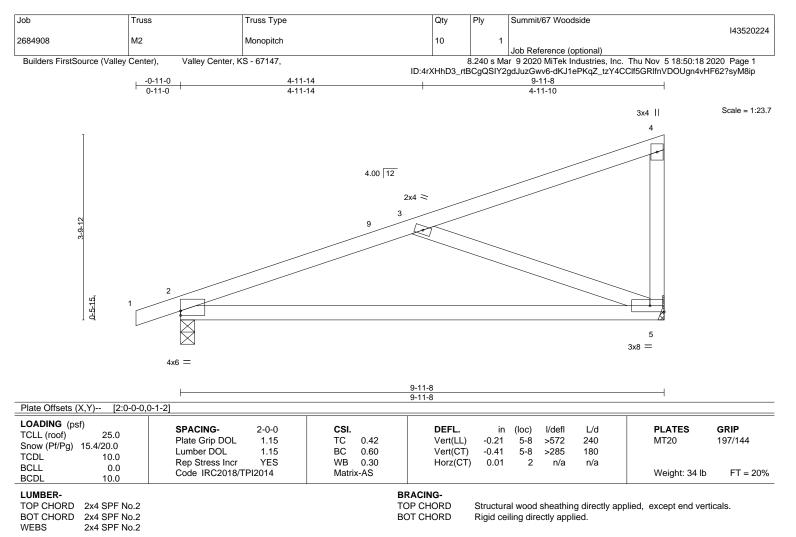
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-274/129

# NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-11-0 to 2-3-12, Exterior(2N) 2-3-12 to 9-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2, 14, 15, 16, 13, 12, 11.
- 11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017



REACTIONS. (size) 2=0-3-8, 5=Mechanical Max Horz 2=121(LC 15)

Max Uplift 2=-62(LC 16), 5=-38(LC 16) Max Grav 2=509(LC 2), 5=441(LC 21)

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

TOP CHORD 2-3=-694/266 BOT CHORD 2-5=-355/636 WEBS 3-5=-621/336

## NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 9-9-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

3) Unbalanced snow loads have been considered for this design.

4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs

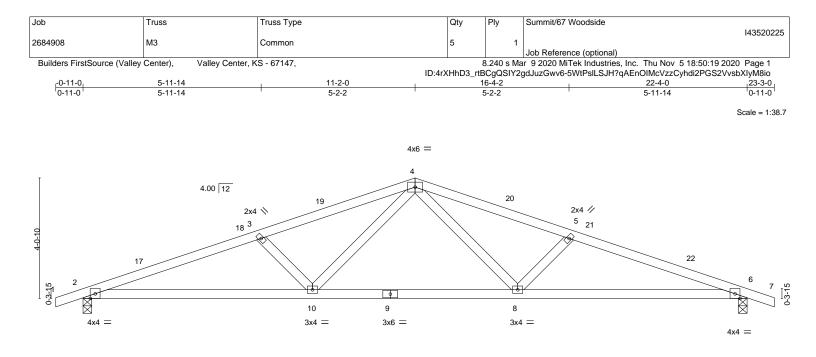
- non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) Refer to girder(s) for truss to truss connections.

- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
   This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1. 9) This truss design requires that a minimum of 7/16" structural wood shoothing
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.







	7-8-9 7-8-9	<u> </u>				22-4-0 7-8-9		
LOADING         (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         15.4/20.0           TCDL         10.0           BCLL         0.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYES	CSI. TC 0.40 BC 0.71 WB 0.16	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.13 10-13 -0.26 10-13 0.07 6	>999 2 >999 1	40 N 80 n/a	PLATES MT20	<b>GRIP</b> 197/144
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS				\ \	Weight: 72 lb	FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2		т		Structural wood Rigid ceiling dir	0			
TOP CHORD         2-3=-2400/463           BOT CHORD         2-10=-383/224	ax. Ten All forces 250 (lb) or less exc 3, 3-4=-2118/415, 4-5=-2118/415, 5-6=- 18, 8-10=-214/1508, 6-8=-385/2248	2400/463						

WEBS 4-8=-87/672, 5-8=-456/165, 4-10=-87/672, 3-10=-456/165

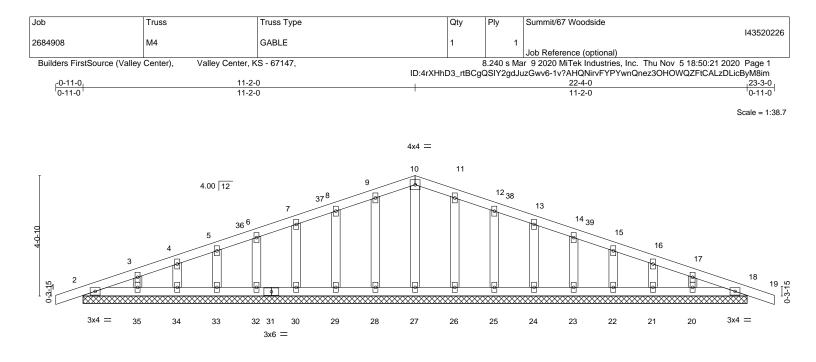
### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 11-2-0, Exterior(2R) 11-2-0 to 14-2-0, Interior(1) 14-2-0 to 23-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=109, 6=109.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.







		22-4-0 22-4-0						
LOADING (psf)           TCLL (roof)         25.0           Snow (Pf/Pg)         15.4/20.0           TCDL         10.0           BCLL         0.0           BCDL         10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2018/TPI2014	CSI. TC 0.06 BC 0.02 WB 0.02 Matrix-S	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.00 19 -0.00 19 0.00 18	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20 Weight: 86 lb	<b>GRIP</b> 197/144 FT = 20%
LUMBER- TOP CHORD 2x4 SPF No.2			ACING-	Structural wood	l sheathin	ig directly app	plied or 6-0-0 oc purlir	IS.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

## TOP CHORD 2x4 SPF No.2

BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.2

REACTIONS. All bearings 22-4-0. (lb) - Max Horz 2=-49(LC 14)

Max Uplift All uplift 100 lb or less at joint(s) 2, 28, 29, 30, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 18 Max Grav All reactions 250 lb or less at joint(s) 2, 27, 28, 29, 30, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20 18

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

## NOTES-

1) Unbalanced roof live loads have been considered for this design.

 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-11-0 to 1-10-0, Exterior(2N) 1-10-0 to 11-2-0, Corner(3R) 11-2-0 to 14-2-0, Exterior(2N) 14-2-0 to 23-3-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) 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.

4) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10

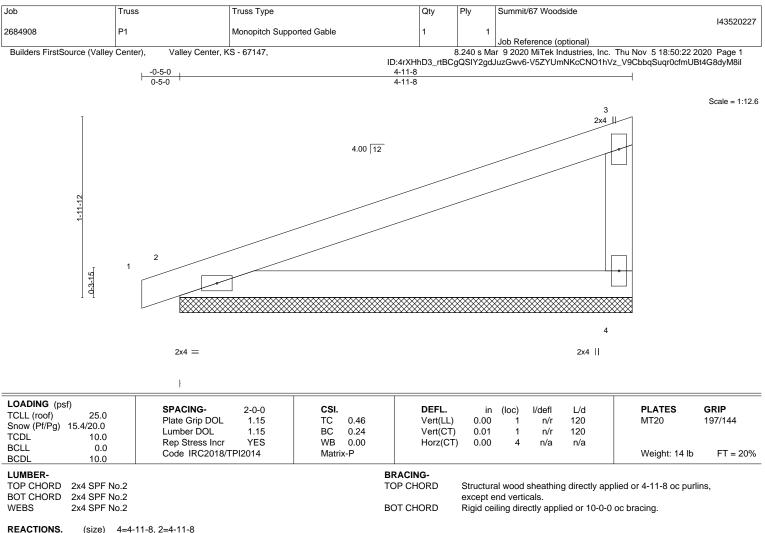
5) Unbalanced snow loads have been considered for this design.

6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.

- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 1-4-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 28, 29, 30, 32, 33, 34, 35, 26, 25, 24, 23, 22, 21, 20, 18.
- 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.







CTIONS. (size) 4=4-11-8, 2=4-11-8 Max Horz 2=58(LC 15) Max Uplift 4=-18(LC 16), 2=-29(LC 16) Max Grav 4=226(LC 21), 2=260(LC 21)

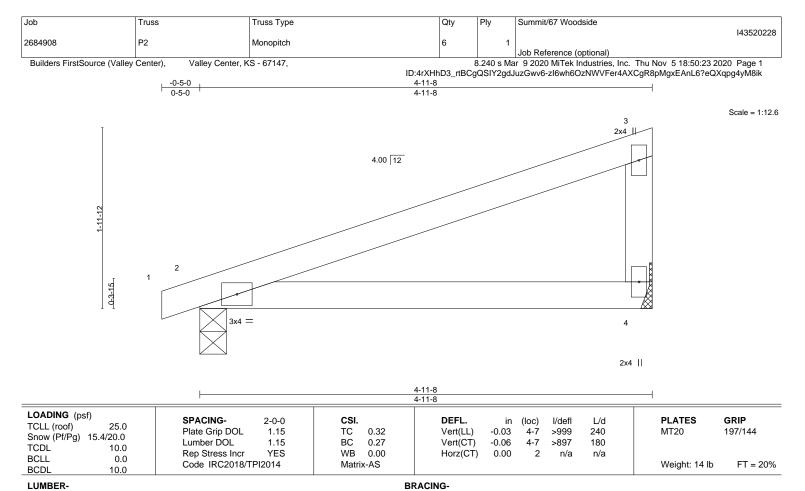
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

### NOTES-

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -0-5-0 to 2-7-0, Exterior(2N) 2-7-0 to 4-9-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.







BOT CHORD

### LUMBER-

TOP CHORD 2x4 SPF No.2 2x4 SPF No.2 BOT CHORD

WEBS 2x4 SPF No.2

REACTIONS. (size) 4=Mechanical, 2=0-3-8 Max Horz 2=58(LC 15) Max Uplift 4=-18(LC 16), 2=-29(LC 16)

Max Grav 4=226(LC 21), 2=260(LC 21)

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

### NOTES-

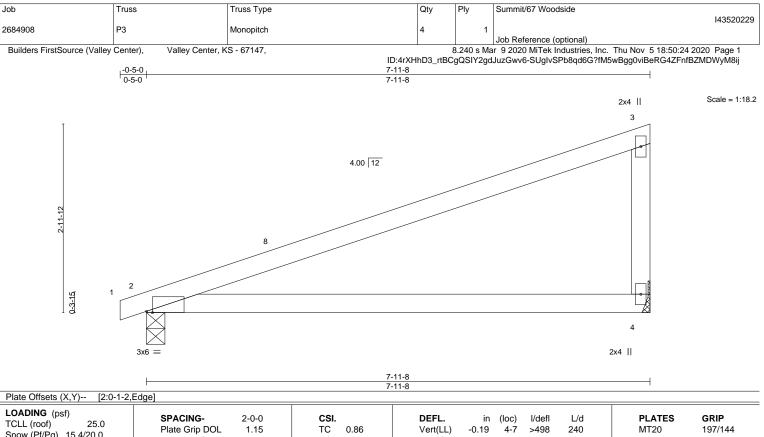
- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-5-0 to 2-7-0, Interior(1) 2-7-0 to 4-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2. 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPL1
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.





LUMBER-		BR	ACING-					
TCDL 10.0 BCLL 0.0 BCDL 10.0	Lumber DOL 1.15 Rep Stress Incr YES Code IRC2018/TPI2014	BC 0.64 WB 0.00 Matrix-AS	Vert(CT) Horz(CT)	-0.39 4-7 0.01 2	>241 n/a	180 n/a	Weight: 22 lb	FT = 20%
TCLL (roof) 25.0 Snow (Pf/Pg) 15.4/20.0	Plate Grip DOL 1.15	CSI. TC 0.86	DEFL. Vert(LL)	in (loc) -0.19 4-7	l/defl >498	L/d 240	MT20	<b>GRIP</b> 197/144

BOT CHORD

#### LUMBER-

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 2x4 SPF No.2 WEBS

REACTIONS. (size) 4=Mechanical, 2=0-3-8

Max Horz 2=92(LC 15) Max Uplift 4=-30(LC 16), 2=-39(LC 16)

Max Grav 4=361(LC 21), 2=382(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 3-4=-259/196

## NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -0-5-0 to 2-7-0, Interior(1) 2-7-0 to 7-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=25.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=20.0 psf; Pf=15.4 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and
- referenced standard ANSI/TPI 1.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017

