

RELEASE FOR CONSTRUCTION AS NOTED FOR PLAN REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 10/11/2021

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

Re: 2929203 Summit/70 Reserve Stoney

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource (Valley Center).

Pages or sheets covered by this seal: I47917290 thru I47917344

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

Missouri COA: Engineering 001193



September 17,2021

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



Mitek° 16023 Swingley Ridge Rd Chesterfield, MO 63017



6) 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.







						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES2
2929203	A3	COMMON GIRDER	1	2		
				-	Job Reference (optional)	
Builders FirstSource (Valley	Center), Valley Center, H	(S - 67147,	8.4	130 s Aug 1	16 2021 MiTek Industries, Inc.	Wed Sep 15-13:04 33 202/ Rage 2
		ID:0Rf	/eQ?mR?o	qgtbqdiWpq	gSIzFyAv-56k2wQIEba8xoG5	GFH0MRhigd0zUL_gN5j\$ExydNXC

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-6=-70, 6-10=-70, 18-22=-20

Concentrated Loads (lb)

Vert: 16=-499(F) 15=-2704(F) 25=-499(F) 26=-499(F) 27=-499(F) 28=-499(F)





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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-5-4 to 3-5-4, Interior(1) 3-5-4 to 5-5-0, Exterior(2R) 5-5-0 to 8-5-0, Interior(1) 8-5-0 to 22-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 15.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=162, 15=125.
- 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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						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stor	AS NOTED FOR PLAN REVIEW
2929203	A5	Common Girder	1	2		
Builders FirstSource (Va	allev Center). Vallev Center, K	S - 67147.	8.4	30 s Aug	Job Reference (optional) 16 2021 MiTek Industries.	Inc. Wed Sen 15-13:04:35:2021-Ram 10-1
	576	11.0.11 16.6.0	ID:0RfyeQ?mR?c	gtbqdiWp	gSIzFyAv-1VrpL6KU6COf	
	5-7-6	5-5-5 5-5-5	8-2-	-0	2-8-11	5-7-6 0-10-8
			4x6			Scale = 1:69.0
		6.00 12	5			
I						
		4x6				
	316	4			3x6 ≈ 6 3×4 ≈	
	0,0			Te.	7	
9-6-	3x6 📁 💈					
ω	2					
	1	3*6-7				
9-9-0					8	
-	[×] 23 ²⁴ 15 ²⁵	26 27 14 13	12 11		10	
	6x12 ≠ LUS24 3x6	LUS24 $4x12 \parallel 6x8 =$	4x12 = 3x6 =		2x4	5x8 =
	LUS24 LUS24	3x6				
		LUS24				
		HGUS28				
	5-7-6	11-0-11 16-6-0	24-8	3-0	33-	0-0
Plate Offsets (X,Y)	<u>5-7-6</u> [1:Edge,0-3-1], [4:0-1-8,0-1-12],	<u>5-5-5</u> <u>5-5-5</u> [8:0-0-0,0-1-4], [14:0-6-4,0-2-0],	[16:0-1-8,0-1-8]	-0	. 8-4	-0
			DEEL in		l/defl l/d	
TCLL 25.0	Plate Grip DOL 1.15	TC 0.78	Vert(LL) -0.21	14-15	>999 240	MT20 197/144
TCDL 10.0 BCLL 0.0	Lumber DOL 1.15 Rep Stress Incr NO	BC 0.97 WB 0.54	Vert(CT) -0.41 Horz(CT) 0.12	10-12 8	>975 180	
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS		, o		Weight: 312 lb FT = 20%
LUMBER-			BRACING-		·	
TOP CHORD 2x4 SP	PF No.2 *Except*		TOP CHORD	Structur Rigid ce	al wood sheathing direct	ly applied or 3-3-5 oc purlins.
BOT CHORD 2x4 SF	PF No.2 *Except*		WEBS	1 Row a	at midpt 4-12	0-0-0 0C bracing.
1-13: 2 WEBS 2x4 SF	x8 SP 2400F 2.0E, 11-13: 2x4 S 2F No.2	PF 1650F 1.5E				
WEDGE						
Right: 2x4 SP NO.3						
REACTIONS. (size Max H	e) 1=0-3-8, 8=0-3-8 orz 1=-144(I C 13)					
Max U	plift 1=-665(LC 8), 8=-377(LC 9)					
Max G	irav 1=5309(LC 1), 8=2907(LC 1)				
FORCES. (lb) - Max.	Comp./Max. Ten All forces 250	0 (lb) or less except when showr	I.			
BOT CHORD 1-2=	=-1203/9110, 14-15=-1203/9110,	12-14=-904/7276, 10-12=-502/4	o=-5455/664 1749,			
8-10: WEBS 2-15:	=-502/4749 =-146/1586	4=-543/4390 4-12=-4514/697 4	5-12=-454/3659			
7-10-	=0/298, 7-12=-740/329		12-101/0000,			
NOTES-						
1) 2-ply truss to be con	nected together with 10d (0.131'	'x3") nails as follows:				
Bottom chords connect	ected as follows: 2x4 - 1 fow at 0-4-	aggered at 0-4-0 oc, 2x4 - 1 row	at 0-9-0 oc.			ADDEC
Webs connected as 2) All loads are conside	follows: 2x4 - 1 row at 0-9-0 oc. ered equally applied to all plies, e	except if noted as front (F) or bac	k (B) face in the LOAD C	ASE(S) s	ection. Plv to	OF MISS
ply connections hav	e been provided to distribute only	/ loads noted as (F) or (B), unles	s otherwise indicated.			AND SOLL
 Unbalanced roof live Wind: ASCE 7-16; \ 	loads have been considered for /ult=115mph (3-second gust) Vas	⁻ this design. sd=91mph; TCDL=6.0psf; BCDL	=4.2psf; h=15ft; Cat. II; E	xp C; End	closed;	SCOTT M.
MWFRS (envelope)	gable end zone; cantilever left a	nd right exposed ; end vertical le	ft and right exposed; Lun	nber DOL	=1.60 plate	ALL SEVIER
5) This truss has been	designed for a 10.0 psf bottom c	hord live load nonconcurrent wit	h any other live loads.		L (A L L L L L L L L L L L L L L L L L	Botto Someth
 6) Provide mechanical 1=665, 8=377. 	connection (by others) of truss to	b bearing plate capable of withst	anding 100 lb uplift at joir	nt(s) exce	pt (jt=lb)	NUMBER
7) This truss is designed	ed in accordance with the 2018 Ir	nternational Residential Code se	ctions R502.11.1 and R8	02.10.2 a	nd	N
8) Use Simpson Strong	g-Tie LUS24 (4-10d Girder, 2-10d	d Truss, Single Ply Girder) or equ	uivalent spaced at 2-0-0 o	oc max. s	tarting at	STONAL ENGIA
2-2-12 from the left 9) Use Simpson Strong	end to 10-2-12 to connect truss(e g-Tie HGUS28 (36-16d Girder, 6-	es) to back face of bottom chord. 16d Truss) or equivalent at 11-1	-12 from the left end to a	onnect tri	iss(es) to	Constant
back face of bottom	chord, skewed 0.0 deg.to the rig	ht, sloping 0.0 deg. down.				September 17,2021
A CONTRIBUTION OF A DEPOSITION OF A DEPOSITICA DEPOSI	rere nanger is in contact with luff	IDEI.				
WARNING - Verify Design valid for use o	design parameters and READ NOTES ON nly with MiTek® connectors. This design i	THIS AND INCLUDED MITEK REFERENCE is based only upon parameters shown, ar	CE PAGE MII-7473 rev. 5/19/2020 and is for an individual building co	0 BEFORE l	JSE. ot	
a truss system. Before building design. Brac	e use, the building designer must verify the ing indicated is to prevent buckling of indiv stability and to prevent colleges with	e applicability of design parameters and p vidual truss web and/or chord members of	property incorporate this design in nly. Additional temporary and p	into the over permanent b	racing	
fabrication, storage, d	elivery, erection and bracing of trusses an available from Truss Plate Institute, 2670 (id truss systems, see ANSI/TPI Crain Highway, Suite 203 Waldorf, MD 20	1 Quality Criteria, DSB-89 and	BCSI Build	ling Component	16023 Swingley Ridge Rd Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES
2929203	A5	Common Girder	1	2	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
Builders FirstSource (Valley	Center), Valley Center, K	S - 67147,	8.4	130 s Aug 1	6 2021 MiTek Industries, Inc.	Wed Ser 15-13:04 35 2021 Rago 2
		ID:0Rf	/eQ?mR?o	qgtbqdiWp	gSIzFyAv-1VrpL6KU6COf2ZF	INgJUSsin4FFtgyKazriPC/YlgydN)A

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-5=-70, 5-9=-70, 17-20=-20

Concentrated Loads (lb)

Vert: 14=-2688(B) 23=-499(B) 24=-499(B) 25=-499(B) 26=-499(B) 27=-499(B)







SSIONAL

PE-2001018807

E

OFF



	5-7-6	11-0-11 16-6-0		+ +	30-2-8 33-0-0	4			
Diata Officiata (X X)	5-7-0	<u> </u>	0-4-4		0-4-4 2-9-0				
Plate Olisets (X, Y)	[1:0-0-0,0-1-8], [6:0-5-4,Edge	9, [7:0-2-0,0-2-14], [8:1-0-0,0-1-1	2j, [13:0-2-8,Edge]		I				
LOADING (psf) TCLL 25.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2- Plate Grip DOL 1 Lumber DOL 1 Rep Stress Incr 1 Code IRC2018/TPI20	-0-0 CSI. 1.15 TC 0.77 1.15 BC 0.92 YES WB 0.46 114 Matrix-AS	DEFL. in Vert(LL) -0.41 Vert(CT) -0.78 Horz(CT) 0.39	(loc) l/defl 7-11 >960 7-11 >510 8 n/a	L/d PLATES 240 MT20 180 MT20HS n/a Weight:	GRIP 197/144 148/108 167 lb FT = 20%			
LUMBER- BRACING- TOP CHORD 2x4 SPF No.2 *Except* TOP CHORD Structural wood sheathing directly applied. 6-9: 2x6 SPF 2100F 1.8E BOT CHORD Rigid ceiling directly applied. BOT CHORD 2x4 SPF No.2 *Except* WEBS 1 Row at midpt 7-13: 2x4 SPF No.2 2x4 SPF No.2 VEBS 1 Row at midpt 0THERS 2x6 SPF 2100F 1.8E E E LBR SCAB 6-9 2x6 SPF 2100F 1.8E one side VEDGE E Left: 2x4 SP No.3 , Right: 2x4 SP No.3 Reactions. (size) 1=Mechanical, 8=0-3-8									
REACTIONS. (size Max H Max U Max G	e) 1=Mechanical, 8=0-3-8 orz 1=-148(LC 13) plift 1=-185(LC 12), 8=-200(L rav 1=1485(LC 1), 8=1554(L	_C 13) C 1)							
FORCES. (ib) - Max. TOP CHORD 1-2=- 7-8=- BOT CHORD 1-18= WEBS 2-16= 13-16	Comp./Max. Ten All forces 2684/331, 2-4=-2253/314, 4- 699/123 352/2310, 16-18=-352/2310 444/151, 13-15=0/306, 5-13 5=-191/1858, 4-13=-482/184	250 (lb) or less except when sho 5=-1924/306, 5-6=-2006/299, 6-7 0, 12-13=-181/2726, 11-12=-219/2 3=-129/1256, 6-13=-1256/296, 6-1	wn. '=-3016/346, 2791, 7-11=-222/2788 11=0/270,						
NOTES- 1) Attached 11-3-4 sca at 0-0-8 from end at 2) Unbalanced roof live 3) Wind: ASCE 7-16; W MWFRS (envelope) Interior(1) 19-6-0 to & MWFRS for reacti 4) All plates are MT20 5) This truss has been 6) Refer to girder(s) for 7) Provide mechanical 1=185, 8=200. 8) This truss is designed referenced standard 9) This truss design ref	b 6 to 9, back face(s) 2x6 SP joint 6, nail 2 row(s) at 7" o.c. e loads have been considered fult=115mph (3-second gust) gable end zone and C-C Ext 33-10-8 zone; cantilever left a ons shown; Lumber DOL=1.6 plates unless otherwise indic: designed for a 10.0 psf botton truss to truss connections. connection (by others) of trus ed in accordance with the 201 ANSI/TPI 1. quires that a minimum of 7/16	PF 2100F 1.8E with 2 row(s) of 10. for 2-0-0; starting at 6-6-10 from f for this design. Vasd=91mph; TCDL=6.0psf; BCI erior(2E) 0-0-0 to 3-0-0, Interior(1 and right exposed ; end vertical le 50 plate grip DOL=1.60 ated. m chord live load nonconcurrent v ss to bearing plate capable of with 18 International Residential Code s" structural wood sheathing be ap	d (0.131"x3") nails spaced 9 end at joint 6, nail 2 row(s) DL=4.2psf; h=15ft; Cat. II; E) 3-0-0 to 16-6-0, Exterior(2 ff and right exposed;C-C for with any other live loads. Instanding 100 lb uplift at join sections R502.11.1 and R8 opplied directly to the top cho	9" o.c.except : startin at 4" o.c. for 4-6-2. xp C; Enclosed; R) 16-6-0 to 19-6-0 r members and forc ht(s) except (jt=lb) 02.10.2 and rd and 1/2" gypsum	es	OF MISSOL SCOTT M. SEVIER MUMBER E-2001018807			

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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						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES
2929203	A9	ROOF SPECIAL	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
Builders FirstSource (Valley	Center), Valley Center, H	S - 67147,	8.	430 s Aug 1	16 2021 MiTek Industries, Inc.	Wed Sep 15 3:04 40 2021 Bags 2
NOTES-		ID:0F	RfyeQ?mR	?qgtbqdiWp	ogSIzFyAv-OSfiOpOdxk0x8L7	2ADvf9wTvfSJØdVUi_hvJ_2ydV)5
This truss is designed in	n accordance with the 2018 li	nternational Residential Code sections R502.11	1.1 and R8	302.10.2 aı	nd referenced standard ANS	I/TPI 1.





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REACTIONS. All bearings 15-0-0.

(Ib) - Max Horz 2=66(LC 16) Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14

 $Max\ Grav \quad All\ reactions\ 250\ lb\ or\ less\ at\ joint(s)\ 2,\ 12,\ 18,\ 19,\ 20,\ 21,\ 22,\ 17,\ 16,\ 15,\ 14$

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.

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 2-2-0, Exterior(2N) 2-2-0 to 7-6-0, Corner(3R) 7-6-0 to 10-6-0, Exterior(2N) 10-6-0 to 15-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 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) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 1-4-0 oc.

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

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 21, 22, 17, 16, 15, 14.

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.



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BOT CHORD

LUMBER-

2x4 SPF No.2 TOP CHORD BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 OTHERS 2x4 SPF No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 19-20,12-13.

REACTIONS. All bearings 11-10-0 except (jt=length) 12=0-3-8.

Max Horz 20=-157(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 19, 13, 17, 18, 15, 14, 12 except 20=-104(LC 8) Max Grav All reactions 250 lb or less at joint(s) 20, 19, 13, 16, 17, 18, 15, 14, 12

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.

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 1-11-4, Interior(1) 1-11-4 to 5-11-0, Exterior(2R) 5-11-0 to 8-11-0, Interior(1) 8-11-0 to 12-8-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable studs spaced at 1-4-0 oc.

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

7) Bearing at joint(s) 20, 12 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) 19, 13, 17, 18, 15,

14, 12 except (jt=lb) 20=104. 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.







6) 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.

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

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

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 6.

6) 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.

7) 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.







	3-0-6	5-11-0	-	8-9-10		-	11-10-0	
	3-0-6	2-10-10		2-10-10			3-0-6	
Plate Offsets (X, Y)	[1:Edge,0-1-12], [5:Edge,0-1-12], [7	0-2-8,0-3-0], [9:0-2-8,0-3-0]				1		
LOADING (psf) TCLL 25.0 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 NO Code IRC2018/TPI2014	CSI. TC 0.79 BC 0.80 WB 0.74 Matrix-MS	DEFL. Vert(LL) -(Vert(CT) -(Horz(CT) (in (loc) 0.10 8 0.19 8 0.04 6	l/defl >999 >737 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 55 lb	GRIP 197/144 FT = 20%
LUMBER- TOP CHORD 2x6 SPF No.2 BRACING- TOP CHORD BOT CHORD 2x4 SPF 1650F 1.5E TOP CHORD 2-0-0 oc purlins (2-6-4 max.): 1-5, except end verticals. BOT CHORD WEBS 2x4 SPF No.2 *Except* 1-9,2-8,4-8,5-7: 2x4 SPF 1650F 1.5E BOT CHORD Rigid ceiling directly applied or 9-9-6 oc bracing.								
REACTIONS. (size) 10=Mechanical, 6=Mechanical Max Horz 10=56(LC 5) Max Uplift 10=-348(LC 4), 6=-347(LC 5) Max Grav 10=2723(LC 1), 6=2710(LC 1)								
FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-10=-2651/352, 1-2=-4103/522, 2-3=-5461/685, 3-4=-5461/685, 4-5=-4105/523, 5-6=-2639/351 BOT CHORD 8-9=-547/4103, 7-8=-533/4105 WEBS 1-9=-582/4568, 2-9=-2234/320, 2-8=-201/1558, 3-8=-1455/212, 4-8=-202/1556, 4-7=-236(320, 5-7=-582/4572								
NOTES- 1) Wind: ASCE 7-16; V MWFRS (envelope) grip DOL=1.60 2) Provide adequate di 3) This truss has been 4) Refer to girder(s) for 5) Provide mechanical 10=348, 6=347.	/ult=115mph (3-second gust) Vasd= gable end zone; cantilever left and rainage to prevent water ponding. designed for a 10.0 psf bottom chor r truss to truss connections. connection (by others) of truss to be	91mph; TCDL=6.0psf; BCDL= ight exposed ; end vertical lef I live load nonconcurrent with aring plate capable of withsta	4.2psf; h=15ft; Cat. t and right exposed; any other live loads nding 100 lb uplift at	II; Exp C; En Lumber DC s. t joint(s) exc	nclosed; iL=1.60 pl ept (jt=lb)	ate	57E OF	MISSO

6) 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.

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

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 879 lb down and 130 lb up at 1-10-12, 879 lb down and 130 lb up at 3-10-12, 879 lb down and 124 lb up at 5-10-12, and 879 lb down and 130 lb up at 7-10-12, and 879 lb down and 130 lb up at 9-10-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

 Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

Vert: 1-5=-70, 6-10=-20

Continued on page 2





						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES7
2929203	BOX1	FLAT GIRDER	1	1	lab Defenses (antional)	LEE'S SUMMIT MISSOURI
					Job Reference (optional)	
Builders FirstSource (Valley	Center), Valley Center, k	(S - 67147,	8.4	30 s Aug 1	6 2021 MiTek Industries, Inc.	Wed Sep 15-13:04 45 2021 Rag 2
	?zmVqrz. n WTKdlpxS8zd4fFydNX0					
		- 5-	15	1. 1.3.	,	

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 3=-879 11=-879 12=-879 13=-879 14=-879





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) All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 1-4-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15, 16, 12, 11, 10, 1, 9.
- 9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 9.
- 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.













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

NITEK° 16023 Swingley Ridge Rd Chesterfield, MO 63017

						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES
2929203	C3	COMMON GIRDER	1	2	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
Builders FirstSource (Valley	Center), Valley Center, K	IS - 67147, ID:01	8.4 RfyeQ?mR	30 s Aug 1 2qgtbqdiW	6 2021 MiTek Industries, Inc. pgSIzFyAv-dBh5HuVGpV9fjjJ	Wed Sen 1513:0449:2021 Rags 2 nCcZm0rL 4haEiP13bb/h0zdlWy2

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 6=-1464(B) 7=-1464(B) 14=-1465(B) 15=-1474(B) 16=-1464(B)





	H		<u>5-6-6</u> 5-6-6	I				
Plate Offsets (X,Y) [2:0-0-0,0-1-11], [2:0-1-14,0-6-12]								
LOADING (psf) TCLL 25.0 TCDI 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15	CSI. TC 0.35 BC 0.42	DEFL. in (loc) I/defl L/d Vert(LL) -0.06 6 >999 240 Vert(CT) -0.11 6 >571 180	PLATES GRIP MT20 197/144				

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

0.02

2

n/a

n/a

Structural wood sheathing directly applied or 5-6-6 oc purlins.

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

LUMBER-

BCLL

BCDL

 TOP CHORD
 2x4 SPF No.2

 BOT CHORD
 2x4 SPF No.2

 WEBS
 2x4 SPF No.2

 WEDGE
 2x4 SPF No.2

0.0

10.0

Left: 2x4 SPF No.2

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical Max Horz 2=77(LC 4) Max Uplift 4=-51(LC 8), 2=-93(LC 4), 5=-13(LC 8) Max Grav 4=147(LC 1), 2=350(LC 1), 5=96(LC 1)

Rep Stress Incr

Code IRC2018/TPI2014

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

WB 0.01

Matrix-MP

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

NO

- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
- 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.
- 6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 7) 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-70, 5-7=-20

Concentrated Loads (lb) Vert: 6=-14(F=-7, B=-7)



FT = 20%

Weight: 17 lb







		1			3-1-6		1			5-6-6		1	
					3-1-6		1			2-5-0			
Plate Offs	ets (X,Y)	[2:0-0-0,0-1-4], [3:0-4-0,0)-2-2]										
LOADING	🔒 (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	25.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	-0.06	8	>980	240	MT20	197/144	
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.11	8	>555	180			
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.05	7	n/a	n/a			

LUMBER-

BCDL

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

10.0

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

Weight: 16 lb

REACTIONS. (size) 7=Mechanical, 2=0-4-9

Max Horz 2=47(LC 5) Max Uplift 7=-48(LC 8), 2=-89(LC 4)

Max Grav 7=241(LC 1), 2=336(LC 1)

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

Code IRC2018/TPI2014

NOTES-

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed;
- MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate

Matrix-MR

- grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 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.
- 6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 7) 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 + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)
 - Vert: 1-3=-70, 3-4=-70, 4-5=-20, 8-9=-20, 3-6=-20
 - Concentrated Loads (lb)
 - Vert: 8=-6(F=-3, B=-3)



FT = 20%





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4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=129, 8=114.

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.

6) 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.



16023 Swingley Ridge Rd Chesterfield, MO 63017



Scale = 1:73.1



	5-2-6 10-1-4 13-2-	<u>6 16-3-9 20-1-</u>	8 20-3-0 25-2-12	30-4-4	35-4-0 39-4-0					
	5-2-6 4-10-14 3-1-2	<u>3-1-2</u> <u>3-9-1</u>	5 0-1-8 4-11-12	5-1-8	4-11-12 4-0-0					
Plate Offsets (X,Y)	[5:0-5-11,0-2-8], [6:0-3-5,Edge], [11:0-4	-0,0-2-2], [12:0-3-8,Edge]								
LOADING (psf) TCLL 25.0 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 NO Code JRC2018/TPI2014	CSI. TC 0.69 BC 0.98 WB 0.71 Matrix-MS	DEFL. in Vert(LL) -0.18 Vert(CT) -0.38 Horz(CT) 0.02	(loc) l/defl L/d 19-20 >999 240 19-20 >629 180 19 n/a n/a	PLATES GRIP MT20 197/144 Weight: 160 lb ET = 20%					
					Wolght: 100 lb 11 - 2070					
LUMBER- TOP CHORD 2x4 SPF No.2 BRACING- TOP CHORD 2x4 SPF No.2 *Except* 7-19: 2x4 SPF 1650F 1.5E, 19-21,12-16: 2x4 SP 2400F 2.0E TOP CHORD except Structural wood sheathing directly applied or 3-6-12 oc purlins, except WEBS 2x4 SPF No.2 BOT CHORD BOT CHORD WEDGE Right: 2x4 SPF No.2 BOT CHORD Rigid ceiling directly applied or 4-5-2 oc bracing. Right: 2x4 SPF No.2 Left 2x4 SPF No.2 2-6-0 Rigid ceiling directly applied or 4-5-2 oc bracing.										
REACTIONS. (size) 2=0-3-8, 12=0-3-8, 19=0-3-0 Max Horz 2=105(LC 8) Max Uplift 2=-144(LC 29), 12=-288(LC 9), 19=-448(LC 9) Max Grav 2=892(LC 1), 12=1219(LC 22), 19=2314(LC 1)										
FORCES. (lb) - Max. TOP CHORD 2-4=- 9-10= BOT CHORD 2-22= 17-18 WEBS 4-20= 10-17	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1189/210, 4-5=-890/168, 5-6=-884/176, 6-7=-80/444, 7-9=-2116/535, 9-10=-2116/535, 10-11=-2013/522, 11-12=-2266/553 BOT CHORD 2-22=-217/1023, 20-22=-217/1023, 19-20=-176/601, 18-19=-1500/372, 7-18=-1372/374, 17-18=-619/176, 15-17=-707/3094, 14-15=-707/3094, 12-14=-458/2050 WEBS 4-20=-391/164, 5-20=-47/372, 6-20=-30/340, 7-17=-683/2875, 9-17=-427/175, 10-17=-1051/256, 10-15=0/335, 10-14=-1151/283, 11-14=-73/515, 6-19=-1210/198									
 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=144, 12=288, 19=448. 6) 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. 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 8) 'Hanger(S) or other connection device(s) shall be provided sufficient to support concentrated load(s) 203 lb down and 118 lb up at 35-3-4 on top chord, and 114 lb down and 59 lb up at 35-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B). 										
Continued on page 2										
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						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
						DEVELOPMENT SERVICES
2929203	D3	Roof Special Girder	1	1	Job Reference (optional)	LEE'S SUMMIT, MISSOURI
Builders FirstSource (Valley	Center), Valley Center, k	S - 67147, ID:0R	8.4 fyeQ?mR?	30 s Aug 1 ?qgtbqdiWp	6 2021 MiTek Industries, Inc. ogSIzFyAv-wXdllHafAf1g3oM	Wed Sen 15 13:04 56 8021 - Bage 2 6aBPol8i Ou2/Anit 3g op Xeyo N//2

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-5=-70, 5-6=-70, 6-11=-70, 11-13=-70, 19-23=-20, 18-27=-20

Concentrated Loads (lb)

Vert: 8=-34(F) 16=-46(F) 9=-34(F) 17=-46(F) 14=-114(F) 11=-82(F) 30=-34(F) 31=-34(F) 32=-34(F) 33=-34(F) 34=-34(F) 35=-46(F) 3





Scale = 1:73.1



	5-2-6 10-1-4 14-	3-9 <u> </u> 20-1-8	<u>26-9-8 26-9-8-8 26-9-8 26-9-8 26-9-8 26-9-8 26-9-8 26-9-8-8-8 26-9-8-8-8-8 26-9-8-8-8-8-8-8-8-8-9-8-8-8-8-8-8-8-8-8-</u>	33-4-0	39-4-0							
I	5-2-6 4-10-14 4-2	2-5 5-9-15	0-1-8 6-6-8	6-6-8	6-0-0							
Plate Offsets (X,Y)	[5:0-5-11,0-2-8], [6:0-3-14,Edge], [10:0-	4-2,Edge], [11:0-3-8,Edge]									
LOADING (psf) TCLL 25.0 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 0.58 BC 0.68 WB 0.97 Matrix-AS	DEFL. in (loc) Vert(LL) -0.22 17-18 Vert(CT) -0.46 17-18 Horz(CT) 0.03 17	l/defl L/d >999 240 >519 180 n/a n/a	PLATES GRIP MT20 197/144 MT20HS 148/108 Weight: 152 lb FT = 20%							
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF WEDGE Right: 2x4 SFF No.2 SLIDER Left 2x	LUMBER- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 BRACING- TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-5-10 max.): 6-10. WEBS 2x4 SPF No.2 WEDGE Right: 2x4 SPF No.2 SLIDER BOT CHORD Rigid ceiling directly applied.											
REACTIONS. (size) 2=0-3-8, 11=0-3-8, 17=0-3-0 Max Horz 2=105(LC 12) Max Uplift 2=-125(LC 12), 11=-164(LC 13), 17=-287(LC 13) Max Grav 2=917(LC 1), 11=881(LC 26), 17=1870(LC 1)												
FORCES. (lb) - Max. TOP CHORD 2-4= 10-1 10-1 BOT CHORD 2-20 13-1 WEBS	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1237/181, 4-5=-934/170, 5-6=-904/171, 7-9=-1310/276, 9-10=-1312/278, 10-11=-1450/269 BOT CHORD 2-20=-184/1065, 18-20=-184/1065, 17-18=-78/803, 16-17=-1155/246, 7-16=-1078/269, 13-15=-180/1273, 11-13=-178/1279 WEBS 4-18=-383/161, 5-18=-32/432, 7-15=-287/1637, 9-15=-491/173, 6-17=-1160/175											
 NOTES- 1) Unbalanced roof liv. 2) Wind: ASCE 7-16; \ MWFRS (envelope) Interior(1) 13-1-4 to vertical left and righ 3) Provide adequate d 4) All plates are MT20 5) This truss has been 6) Provide mechanical 2=125, 11=164, 17= 7) This truss is design referenced standard 8) This truss design re sheetrock be applie 9) Graphical purlin rep 	e loads have been considered for this de /ult=115mph (3-second gust) Vasd=91m gable end zone and C-C Exterior(2E) -0 33-4-0, Exterior(2R) 33-4-0 to 36-4-0, In t exposed;C-C for members and forces & rainage to prevent water ponding. plates unless otherwise indicated. designed for a 10.0 psf bottom chord liv connection (by others) of truss to bearin =287. ed in accordance with the 2018 Internation ANSI/TPI 1. quires that a minimum of 7/16" structural d directly to the bottom chord. resentation does not depict the size or th	sign. ph; TCDL=6.0psf; BCDL= -10-8 to 2-1-8, Interior(1) terior(1) 36-4-0 to 40-2-8 & MWFRS for reactions sh e load nonconcurrent with g plate capable of withsta onal Residential Code sec wood sheathing be appli- ie orientation of the purlin	4.2psf; h=15ft; Cat. II; Exp C; Er 2-1-8 to 10-1-4, Exterior(2R) 10- zone; cantilever left and right exp own; Lumber DOL=1.60 plate gr any other live loads. nding 100 lb uplift at joint(s) exce tions R502.11.1 and R802.10.2 ; ed directly to the top chord and 1 along the top and/or bottom cho	nclosed; -1-4 to 13-1-4, posed ; end rip DOL=1.60 ept (jt=lb) and I/2" gypsum ord.	State OF MISSOL SCOTT M. SEVIER PE-2001018807							

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September 17,2021



Scale = 1:73.1



1	5-2-6 10-1-4	12-3-9	20-1-8	20 ₁ 3-0	25-9-8	1	31-4-0	1	39-4-0	1	
I	5-2-6 4-10-14	2-2-5	7-9-15	0-1 ⁴ -8	5-6-8		5-6-8	I	8-0-0	1	
Plate Offsets (X,Y)	[5:0-5-11,0-2-8], [6:0-6-0,0-2	2-0], [10:0-4-2,Edge], [11:0-3-8,Edge]	, [15:0-6-4,0-	-2-8]						
LOADING (psf) TCLL 25.0 TCDL 10.0 PCLL 0.0	SPACING- 2 Plate Grip DOL Lumber DOL Bop Stross Logr	2-0-0 (1.15 ⁻ 1.15 H	CSI. FC 0.79 BC 0.81	DEFL Vert(L Vert(C	. in .L) -0.35 CT) -0.69	(loc) 13-15 13-15	l/defl >657 >333	L/d 240 180	PLATES MT20 MT20HS	GRIP 197/144 148/108	
BCDI 10.0	Code IRC2018/TPI20	14	Matrix-AS	11012(0.03	10	n/a	II/a	Weight: 152 lb	FT - 20%	
			Matrix-AO						Weight. 152 lb	11 = 2078	
LUMBER- BRACING- TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.2 WEBGE BOT CHORD Right: 2x4 SPF No.2 SLIDER Left 2x4 SPF No.2 2-6-0											
REACTIONS. (siz Max H Max U Max G	e) 2=0-3-8, 11=0-3-8, 16=0 lorz 2=105(LC 12) plift 2=-132(LC 12), 11=-173 rav 2=903(LC 1), 11=867(L0)-3-0 6(LC 13), 16=-268(l C 26), 16=1898(LC	-C 13) 1)								
FORCES. (lb) - Max. TOP CHORD 2-4= BOT CHORD 2-19 13-11 WEBS 4-17	FORCES. (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1213/192, 4-5=-902/174, 5-6=-873/201, 9-10=-1118/277, 10-11=-1302/254 BOT CHORD 2-19=-196/1046, 17-19=-196/1046, 16-17=-84/810, 15-16=-1232/262, 7-15=-525/184, 13-15=-146/756, 11-13=-144/1117 WEBS 4-17=-386/160, 5-17=-99/513, 6-16=-1141/136, 9-15=-1138/241, 9-13=-7/434										
 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; Cat. II; Exp C; Enclosed; MVFRS (envelope) gable end zone and C-C Exterior(2E) -0.10-8 to 2.1-8, Interior(1) 2.1-8 to 10-1.4, Exterior(2E) 10-1-4 to 12-3-9, Interior(1) 12-3-9 to 31-4-0, Exterior(2E) 31-4-0 to 44-4-0, Interior(1) 34-4-0 to 40-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 3) Provide adequate drainage to prevent water ponding. 4) All plates are MT20 plates unless otherwise indicated. 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=132, 11=173, 16=268. 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. 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. 											









						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
2929203	D6	Roof Special	1	1		
Builders FirstSource (Valley	Center), Valley Center, K	 S - 67147,	8.4	30 s Aug 1	6 2021 MiTek Industries, Inc.	Wed Sen 15 13:05 00,2021 Bags 2 1
		I	D:0RfyeQ?mR?q	gtbqdiWpg	SIzFyAv-oJsGbfdAEtY6YPfu	QGLy8IFvWJyJblpfbom/4gz/dlWyn
LOAD CASE(S) Standard					•	
Vert: 16=-423(E	3) 22=-423(B) 23=-423(B) 24	=-423(B)				
2) Dead + 0.75 Roof Live (Uniform Loads (plf)	balanced): Lumber Increase=	=1.15, Plate Increase=1.15				
Vert: 1-2=-58, 2 Concentrated Loads (Ib)	-5=-58, 5-7=-57, 8-17=-20, 3	3-7=-20				
Vert: 16=-423(E	B) 22=-423(B) 23=-423(B) 24	=-423(B)				
 Dead + Uninhabitable A Uniform Loads (plf) 	ttic Without Storage: Lumber	Increase=1.25, Plate Increase=1.25				
Vert: 1-2=-20, 2	2-5=-20, 5-7=-20, 8-17=-40, 3	3-7=-40				
Vert: 16=-423(E	B) 22=-423(B) 23=-423(B) 24	=-423(B)				
 Dead + 0.6 C-C Wind (F Uniform Loads (plf) 	os. Internal) Case 1: Lumber	r Increase=1.60, Plate Increase=1.60				
Vert: 1-2=48, 2-	18=26, 5-18=23, 5-20=30, 7	-20=23, 8-17=-8, 3-7=-8				
Horz: 1-2=-60, . Drag: 7-8=0	2-18=-38, 5-18=-35, 5-20=42	2, 7-20=35, 7-8=32, 2-17=18				
Concentrated Loads (lb)	3) 22=-423(B) 23=-423(B) 24	=-423(B)				
5) Dead + 0.6 C-C Wind (F	Pos. Internal) Case 2: Lumber	r Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf) Vert: 1-2=17, 2-	19=23, 5-19=30, 5-21=23, 7	-21=26, 8-17=-8, 3-7=-8				
Horz: 1-2=-29, 2	2-19=-35, 5-19=-42, 5-21=35	, 7-21=38, 7-8=-18, 2-17=-32				
Concentrated Loads (lb)						
Vert: 16=-423(E 6) Dead + 0.6 C-C Wind (N	3) 22=-423(B) 23=-423(B) 24 leg. Internal) Case 1: Lumbe	=-423(B) r Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf)		8-720				
Horz: 1-2=-9, 2	-5=14, 5-7=-14, 7-8=-29, 2-1	7=-21				
Drag: 7-8=-0 Concentrated Loads (lb)						
Vert: 16=-423(E	8) 22=-423(B) 23=-423(B) 24	=-423(B)				
Uniform Loads (plf)	leg. Internal) Case 2. Lumbe	Tincrease=1.00, Flate increase=1.00				
Vert: 1-2=-29, 2 Horz: 1-2=9, 2-	2-5=-34, 5-7=-34, 8-17=-20, 3 5=14. 5-7=-14. 7-8=21. 2-17=	3-7=-20 =29				
Drag: 7-8=0	- , - , - ,					
Vert: 16=-423(E	3) 22=-423(B) 23=-423(B) 24	=-423(B)				
8) Dead + 0.6 MWFRS Win Uniform Loads (plf)	nd (Pos. Internal) Left: Lumbe	er Increase=1.60, Plate Increase=1.60				
Vert: 1-2=11, 2-	5=-1, 5-7=12, 8-17=-8, 3-7=-	-8				
Drag: 7-8=0	2-5=-11, 5-7=24, 7-8=19, 2-1	/=15				
Concentrated Loads (lb) Vert: 16=-423(E	3) 22=-423(B) 23=-423(B) 24	=-423(B)				
9) Dead + 0.6 MWFRS Win	nd (Pos. Internal) Right: Lum	ber Increase=1.60, Plate Increase=1.60				
Vert: 1-2=5, 2-5	i=10, 5-7=14, 8-17=-8, 3-7=-8	8				
Horz: 1-2=-17, : Drag: 7-8=-0	2-5=-22, 5-7=26, 7-8=-15, 2-	17=-19				
Concentrated Loads (lb)		100(5)				
10) Dead + 0.6 MWFRS W	3) 22=-423(B) 23=-423(B) 24 /ind (Neg. Internal) Left: Lum	=-423(B) ber Increase=1.60, Plate Increase=1.60				
Uniform Loads (plf) Vert: 1-2=-14	2-5=-20 5-7=-6 8-17=-20 3	8-7=-20				
Horz: 1-2=-6, 2	2-5=-0, 5-7=14, 7-8=9, 2-17=	26				
Drag: 7-8=0 Concentrated Loads (II	o)					
Vert: 16=-423 11) Dead + 0.6 MWFRS W	(B) 22=-423(B) 23=-423(B) 2 (ind (Neg. Internal) Right: Lur	4=-423(B) mber Increase=1.60 Plate Increase=1.60				
Uniform Loads (plf)						
Vert: 1-2=-3, 2 Horz: 1-2=-17	?-5=-8, 5-7=-4, 8-17=-20, 3-7 , 2-5=-12, 5-7=16, 7-8=-26, 2	=-20 ?-17=-9				
Drag: 7-8=-0 Concentrated Loads (II)					
Vert: 16=-423	(B) 22=-423(B) 23=-423(B) 2	4=-423(B)	4.00			
Uniform Loads (plf)	iniu (Pos. internal) 1st Paralle	ei. Lumper increase=1.60, Plate Increase=	U0.1=			
Vert: 1-2=19, 3 Horz: 1-2=-31	2-5=25, 5-7=9, 8-17=-8, 3-7= , 2-5=-37, 5-7=21, 7-8=18, 2-	8 -17=13				
Drag: 7-8=0) <u> </u>	-				
Vert: 16=-423	(B) 22=-423(B) 23=-423(B) 2	4=-423(B)				



John Tota Tota Type Op PL Summittee States All							RELEASE FOR CONSTRUCTION					
Diam Products (1) Distance (1) <thdistance (1)<="" th=""> Distance (1)</thdistance>	Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW					
Dubber FastScore (Value Central. Value Central. Value Central. Value Central. Value Central	2929203	D6	Roof Special	1	1							
Dotsynchrethylaeddyscherhylaeddysc	Builders FirstSource (Valley	Center), Valley Center, K		8.43	30 s Aug 1	Job Reference (optional) 6 2021 MiTek Industries, Inc.	Wed Sen 15-3305100 2021 Rag 3					
LoAD CaSE(5) Smooth 10. Dat / 0. SM /			ID:	:0RfyeQ?mR?q	gtbqdiWpg	SIzFyAv-oJsGbfdAEtY6YPfu						
 [15] (bit 10) Bit 10: Bit	LOAD CASE(S) Standard			4.00								
Vet. 1:2-1. 2-4.9, 2-4.9, 2-7.9, 2-7.9, 2-1.2, 2-73 Proc. 1:2-1.2-1.2-1.2-1.2-1.2-7.4-1.2, 2-73 Concentrate Licits (b) Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-2.2.2-2.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-1.2-1.2-1.2-1.2-1.2-1.2 Vet. 1:2-1.2-1.2-2.2.2-1.2-1.2 Undern Loads 1:1.2 Vet. 1:2-1.2-1.2-2.2.2.2-1.2-1.2 Undern Loads 1:1.2 Vet. 1:2-1.2-2.2.2.2-2.2.2.2 Vet. 1:2-1.2-1.2-2.2.2.2.2.2.2.2 Vet. 1:2-1.2-1.2-2.2.2.2.2.2.2.2 Vet. 1:2-1.2-1.2-2.2.2.2.2.2.2.2.2 Vet. 1:2-1.2-1.2-2.2.2.2.2.2.2.2.2.2 Vet. 1:2-1.2-1.2-1.2.2.2.2.2.2.2.2.2.2.2.2 Vet. 1:2-1.2.2.2.2.2.2.2.2.2.2.2	13) Dead + 0.6 MWFRS W Uniform Loads (plf)	Uniform Loads (plf)										
Due http://withintometable Due http://withintometable Concentrated Loss (h) http://withintometable Writ 18.4-12019 224-22019 224-4230 244-4230 http://withintometable Writ 15.4-2012 244-2019 224-4230 244-4230 244-4230 http://withintometable Writ 15.4-2014 244, 574-40, 174-41, 217-6 http://withintometable Writ 15.4-1, 24-44, 24-40, 274-4200 244-4200 http://withintometable Writ 15.4-1, 24-44, 24-40, 274-4200 274-4200 http://withintometable Writ 15.4-1, 24-44, 24-40, 274-4200 274-4200 http://withintometable Writ 15.4-20, 24-420, 274-4200 274-4200 http://withintometable Writ 14.4-4200 http://withintometable http://withintometable Writ 14.4-4200 http://withintometable	Vert: 1-2=4, 2	-5=9, 5-7=25, 8-17=-8, 3-7=-	8									
Concentrate Locate (b) United (b) Concentrate Locate (b) United (b) Concentrate Locate (b) Wer (b - 20, 20, 2-4, 20, 7-4, 2-4, 20, 7-4, 2-4, 20, 7-4 Data (b) Concentrate Locate (b) Wer (b - 420) (2 - 4	Drag: 7-8=-0	, 2-5=-21, 5-7=37, 7-8=-13, 2	-1/=-18									
 (1) Dec 4: 0.8 MVPER Viol. Montanij 3:0 Parallel. Lumber Increase=1.60. Patte Increase=1.60 Vinton Loads (4) Vinton L	Concentrated Loads (II	0) (B) 22423(B) 23423(B) 2	4423(B)									
Union: Lands (p) We 1: 12-23, 25-11, 2-74, 2-77-2 Data, 7-40 Concentrated Loss (b) We 1: 12-23, 22-23, 21, 22-23, 21, 22-43, 23, 21 Union: Loss (b) We 1: 12-23, 22-23, 27-23, 72-45, 21-12 Union: Loss (b) We 1: 12-23, 22-23, 27-23, 72-45, 21-12 Concentrated Loss (b) We 1: 12-23, 22-23, 27-23, 72-45, 21-12 Union: Loss (b) We 1: 12-23, 22-23, 27-23, 72-45, 21-12 Different Loss (b) We 1: 12-23, 22-23, 27-23, 72-45, 21-12 Different Loss (b) We 1: 12-23, 22-45, 27-10, 73-45, 21-72, 23-72 Different Loss (b) We 1: 12-23, 22-45, 27-10, 73-72, 72-72 Different Loss (b) We 1: 12-23, 22-45, 27-10, 73-72, 72-72 Different Loss (b) We 1: 12-23, 22-45, 27-10, 73-72, 72-72 Different Loss (b) We 1: 12-23, 22-45, 25-10, 73-72, 27-72 Different Loss (b) We 1: 12-23, 22-45, 25-70, 27-72, 27-72 Different Loss (b) We 1: 12-23, 22-45, 27-72, 27-72 Different Loss (b) We 1: 12-23, 22-45, 27-72, 74-15, 27-72 Different Loss (b) We 1: 12-23, 22-45, 27-72, 74-15, 27-72 Different Loss (b) We 1: 12-23, 22-45, 27-72, 74-15, 27-72 Different Loss (b) We 1: 12-23, 22-45, 57-72, 74-15, 27-72 Different Loss (b) We 1: 12-23, 22-45, 57-72, 74-15, 27-72 Different Loss (b) We 1: 12-23, 22-45, 57-72, 74-15, 27-72 Different Loss (b) We 1: 12-24, 22-45, 27-72, 74-15, 27-72 Different Loss (b) We 1: 12-24, 22-45, 27-72, 74-15, 27-72 Different Loss (b) We 1: 12-24, 22-45, 27-72, 74-15, 27-72 Different Loss (b) We 1: 12-24, 22-45, 57-72, 74-15, 27-72 Different Loss (b) We 1: 12-24, 22-45, 57-72, 74-15, 27-72 Different Loss (b) We 1	14) Dead + 0.6 MWFRS W	/ind (Pos. Internal) 3rd Parall	el: Lumber Increase=1.60, Plate Increase=1	1.60								
 Hos: 15-20, 25-20, 25-7, 16, 70-14, 217-4 Ding: 7-80 Concentrated Loads (M) With 12-4, 25-40, 57-74, 8-17-8, 27-84 Ding 1-40 Weth 12-4, 25-41, 57-44, 8-17-8, 27-84 Ding 1-40 Weth 12-4, 25-41, 57-44, 8-17-8, 27-84 Ding 1-40 Weth 12-4, 25-41, 57-44, 8-17-8, 27-84 Ding 1-40 Weth 12-43, 25-41, 57-41, 8-17-8, 27-84 Ding 1-40 Weth 12-43, 12-42, 12-4	Uniform Loads (plf)	-5-14 5-7-4 8-178 3-7	8									
Inst. 7:430 Converting 100 Death 0.5 MMFRS Wind (Post. Instrain) 4R Parallel: Lumber Increase=1.60. 110) Death 0.5 MMFRS Wind (Post. Instrain) 4R Parallel: Lumber Increase=1.60. 111 Death 7.40. 112 Death 7.40. 113 Death 7.40. 114 Death 7.40. 115 Death 7.40. 115 Death 7.40. 116 Death 7.40. 117 Death 7.40. 118 Death 7.40. 118 Death 7.40. 119 Death 7.40. 110 Death 7.40. 110 Death 7.40. 110 Death 7.40. 111 Death 7.40. 111 Death 7.40. 111 Death 7.40. 1110 D	Horz: 1-2=-20	, 2-5=-26, 5-7=16, 7-8=14, 2-	-17=6									
 Vert. 16 – 423(0) 22 – 423(0) 24 – 423(0) Dead + 0.8 MVRPS Wind (Pos. 10mm) 4/h Parallel: Lumber Increase=1.60. Plate Increase=1.60 Dead + 0.8 MVRPS Wind (Pos. 10mm) 4/h Parallel: Lumber Increase=1.60. Plate Increase=1.60 Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 16 – 423(0) 22 – 423(0) 23 – 423(0) 24 – 423(0) Vert. 17 – 24, 24 – 64, 64 – 74 – 74, 74 – 74 – 74 – 74 – 74 – 74	Drag: 7-8=0 Concentrated Loads (II	b)										
 (19) Detain to Superform (Point Intelling Unit Parlies Lucture Increase=1.60) (Pate Increase=1.60) (19) Vert 1: 42, 254, 57-46, 57-40, 74-8, 377-71 (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19) Deat 1: 65 MPRS Work (Meg. Intelling Parlies) (19	Vert: 16=-423	(B) 22=-423(B) 23=-423(B) 2	4=-423(B)									
Vot: 1, 2, -1, 2, 2, -6, 2, -7, 2, 2, 7, -8, 2, -7, -2, 2, -7, -1, -1, -2, -7, -2, -7, -2, -2, -2, -2, -2, -2, -2, -2, -2, -2	Uniform Loads (plf)	inu (Fos. miemai) 4m Farain	el. Lumber increase=1.00, Flate increase=1	1.00								
Disg. 740 Disg. 740 Concentrated Loads (b) Ver. 16423(B) 22423(B) Ver. 16423(B) 22423(B) 22423(B) Disg. 74-0 Herrinal 11s Parallel Lumber Increase-1.60 Disg. 74-0 Herrinal 11s Parallel Lumber Increase-1.60 Herrinal 11s Parallel Lumber Increase-1.60 Herrinal 11s Parallel Lumber Increase-1.60 Disg. 74-0 Herrinal 11s Parallel Lumber Increase-1.60 United Loads (b) Ver. 16-4-23(B) 22-4-23(B) 24-42(B) Ver. 15-4-23, 42-40, 57-40, 57-40, 74-72, 37-70 Herrinal 11s Parallel Lumber Increase-1.60 Ver. 15-40, 24-40, 57-40, 74-72, 37-70 Herrinal 11s Parallel Lumber Increase-1.60 Ver. 15-40, 24-40, 57-50, 57-40, 74-72, 37-70 Herrinal 11s Parallel Lumber Increase-1.60 Ver. 15-40, 24-40, 57-60, 57-40, 74-72, 37-80 Herrinal 11s Parallel Lumber Increase-1.60 Ver. 15-40, 24-40, 57, 57-47, 81-72-3, 37-80 Herrinal 11s Parallel Lumber Increase-1.60 Ver. 15-40, 24-40, 57, 57-47, 81-72-3, 37-80 Herrinal 11s Parallel Lumber Increase-1.60 Ver. 15-42, 24-40,	Vert: 1-2=-1, 2	2-5=4, 5-7=14, 8-17=-8, 3-7=- 2-5=-16, 5-7=26, 7-8=-6, 2-	-8 1714									
Concentrated Loads (b) Vert. 14, 243, 22, 24-23, 213, 23, 24-23, 218, 24-423, 218, 21-423, 21-4	Drag: 7-8=-0	, 2-3=-10, 3-7=20, 7-0=-0, 2-	1/14									
 16) Dead + 0.6 MVFRS Wind (Nag, Indema) 1st Parallet: Lumber Increase=1.60, Plate Increase=1.60, Plat	Concentrated Loads (II Vert: 16=-423	o) (B) 22=-423(B) 23=-423(B) 2	4=-423(B)									
Uniform Loads (pt) Vert: 12-11, 25-40, 57-40, 8-77-80, 27-20 Drag: 7-8-0 Concentrated Loads (b) Vert: 15-423(8) 22-423(b) 23-423(b) 23-423(b) Vert: 15-423(8) 22-423(b) 23-423(b) 23-423(b) Vert: 15-42, 25-60, 57-82, 7-8-20 Drag: 7-8-0 Drag: 7-8-0 Concentrated Loads (b) Vert: 15-423(8) 22-423(b) 23-423(b) 23-423(b) Vert: 15-423(8) 22-423(b) 23-423(b) 23-423(b) Vert: 15-423(8) 22-423(b) 23-423(b) 23-423(b) Vert: 15-423(8) 22-423(b) 23-423(b) 23-423(b) Vert: 15-423(2) 25-20, 57-20, 7-7-20 Drag: 7-8-0 Concentrated Loads (b) Vert: 15-423(2) 25-20, 57-20, 7-7-20, 8-17-20, 3-7-20 Concentrated Loads (b) Vert: 15-423(2) 25-20, 57-20, 8-17-20, 3-7-20 Horz: 12-42, 25-40, 57-10, 7-80, 7-20, 7-7-20 Horz: 12-42, 25-40, 57-10, 7-80, 7-20, 8-7-20 Horz: 12-42, 25-40, 57-10, 7-80, 7-20, 8-7-20 Horz: 12-42, 25-40, 57-10, 7-80, 7-20, 8-7-20 Horz: 12-42, 25-40, 57-10, 7-80, 7-72, 7-20 Horz: 12-41, 25-40, 57-12, 7-80, 9, 7-20 Horz: 12-41, 25-40, 57-80, 8, 77-20, 7-20 Horz: 12-41, 25-40, 57-80, 7-80, 7-72, 7-20 Horz: 12-41, 25-40, 57-80, 7-80, 7-80, 7-80 Drag: 7-80 Concentrated Loads (b) Vert: 12-41, 25-40, 57-80, 8, 77-20, 7-80 Horz: 12-41, 25-40, 57-80, 8, 77-20, 7-80 Horz:	16) Dead + 0.6 MWFRS W	/ind (Neg. Internal) 1st Parall	el: Lumber Increase=1.60, Plate Increase=1	1.60								
Hore: 1-2-31, 2-5-26, 57-70, 7-8-7, 2-17-23 Drag: 7-8-0 Concentrated Loads (b) Vert: 16-423(8) 22-423(8) 23-423(8) 24-423(8) 17) Dead + 0.6 MWRRS Wind (Neg. Internal) 2rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (b) Vert: 16-423(8) 22-423(8) 23-423(8) 24-423(8) Vert: 16-423(8) 22-423(8) 23-423(8) 24-423(8) Vert: 12-20, 22-5-20, 57-20, 517-20, 37-20 Concentrated Loads (b) Vert: 12-20, 22-5-20, 57-20, 817-20, 37-20 Concentrated Loads (b) Vert: 12-20, 22-5-20, 57-20, 817-20, 37-20 Concentrated Loads (b) Vert: 12-20, 22-5-20, 57-20, 817-20, 817-20, 817-20 Concentrated Loads (b) Vert: 12-20, 22-5-20, 57-20, 817-20, 817-20, 817-20 Concentrated Loads (b) Vert: 12-20, 22-5-20, 57-20, 817-20, 817-20 Concentrated Loads (b) Vert: 12-20, 22-5-20, 57-20, 74-27, 217-19 Drag: 78-0 Concentrated Loads (b) Vert: 12-83, 22-5-70, 74-77, 217-19 Drag: 78-0 Concentrated Loads (b) Vert: 12-83, 22-5-70, 57-87, 24-72, 217-19 Drag: 78-0 Concentrated Loads (b) Vert: 12-83, 22-5-74, 57-87, 47, 47, 20, 37-20 Hor: 12-45, 25-64, 57-84, 57-84, 817-20, 37-20 Hor: 12-45, 25-64, 57-84, 57-84, 817-20, 37-20 Hor: 12-45, 25-64, 57-84, 817-20, 37-20 Hor: 12-45, 25-64, 57-84, 817-20, 37-20 Hor: 12-45, 25-64, 57-84, 817-80, 37-80 Vert: 16-423(8) 22-423(8) 22-423(8) 24-423(8) Vert: 16-423(8) 22-423(8)	Uniform Loads (plf) Vert: 1-2=11.2	2-5=6. 5-7=-10. 8-17=-20. 3-	7=-20									
 Ling 1, 4-20 Ling 1, 4-20 Ling 1, 4-20 Ling 1, 4-20 Ling 1, 2-4, 23, 22-4, 23, (8), 24-4, 23, (8) Ling 1, 2-4, 2, 28-10, 5, 7-6, 5, 17-20, 3, 7-20 Hor, 1, 2-4, 2, 2-6, 10, 5, 7-26, 7-8, 2, 3, 7-27 Ding, 7-8-4 Concentrated Loads (10) Ling 1, 2-4, 2, 2-6, 20, 5, 7-20, 3, 2-23, 2, 17-7 Ding, 7-8-4 Dead Ling 1, 2-5, 2-5, 2-7, 2-23, 2, 3, 2-7, 7- Ding, 7-8-4 Dead Ling 1, 2-5, 2-5, 2-7, 2-23, 3, 2-17-7 Ding, 7-8-4 Dead Ling 1, 2-5, 2-5, 2-7, 2-23, 3, 2-20 Concentrated Loads (10) Vert. 12-20, 2, 2-20, 5, 7-20, 3, 17-20, 3, 7-20 Vert. 12-20, 2, 2-20, 5, 7-20, 3, 2-7, 20, 3, 7-20 Vert. 12-20, 2, 2-20, 5, 7-20, 3, 7-20, 2, 4-7, 2, 4-7, 2, 6, 7-20, 7, 2-7, 7-18 Ding 1, 7-8-0, 1, 2-6, 7, 2, 7, 7-17, 9, 2-7, 7-20 Vert. 16-423(8) 22-423(8) 24-423(8) Vert. 16-423(8) 22-42	Horz: 1-2=-31	, 2-5=-26, 5-7=10, 7-8=7, 2-1	7=23									
Ver: 16-423(1): 22-423(6): 24-423(6): 24-423(6): 17) Dead + 0.48 WH765 Wind (Ney, Internal): 24 Parallel: Lumber Increase=1.60 Uniform Loads (nf) Ver: 1, 2-4, 2, 2-4, 2, 60, 2-7, 26, 3-7, 2-3, 2-17–7 Drag 174-0 (B) Dead: Lumber Increase=0.9, Pitel: Increase=0.90 Pit: metal=0.90 Uniform Loads (nf) Ver: 1, 6-423(1): 22-423(6): 23-423(6): 24-423(5) 19) Dead + 0.75 Root Live (bal) + 0.75(0.6 MWFRS Wind (Neg, Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (nf) Ver: 1, 22-43, 25-63, 5-7-47, 8-17-20, 3-7-20 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-47, 7-8-7, 217-17 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-47, 7-8-7, 217-17 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-42, 7-8-19, 217-77 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-42, 7-8-19, 217-77 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-42, 7-8-19, 217-77 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-42, 7-8-19, 217-77 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-42, 78-19, 217-77 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-43, 8, 17-8-10, 217-77 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-43, 8, 17-20, 3-7-20 Ver: 1, 22-43, 25-63, 5-7-43, 8, 17-8-10, 217-75 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-43, 8, 17-8-10, 217-75 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-33, 8, 17-80, 3-7-20 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-33, 8, 17-80, 3-7-20 Drag : 78-0 Concentrated Loads (nf) Ver: 1, 22-43, 25-63, 5-7-33, 8, 17-80, 3-7-20 Drag :	Drag: 7-8=0 Concentrated Loads (II	b)										
 (1) Unitern Lossis (pi) (2) Unitern Lossis (pi) <l< td=""><td>Vert: 16=-423</td><td>(B) 22=-423(B) 23=-423(B) 2 (ind (Neg. Internal) 2nd Para</td><td>4=-423(B) Ilel: Lumber Increase-1.60. Plate Increase-</td><td>1 60</td><td></td><td></td><td></td></l<>	Vert: 16=-423	(B) 22=-423(B) 23=-423(B) 2 (ind (Neg. Internal) 2nd Para	4=-423(B) Ilel: Lumber Increase-1.60. Plate Increase-	1 60								
Vert: 12-4, 25-4, 25-4, 0, 57-26, 7, 4-23, 217-7 Drag: 78-0 Concentrated Loads (b) Vert: 15-42, 30, 22-423(b) 22-423(b) 24-423(b) Ution: Loads (b) Vert: 15-20, 25-20, 57-20, 817-20, 37-20 Concentrated Loads (b) Vert: 15-23, 25-20, 57-20, 817-20, 37-20 Concentrated Loads (b) Vert: 15-23, 25-20, 57-20, 817-20, 37-20 Concentrated Loads (b) Vert: 15-253, 25-57, 57-47, 817-20, 37-20 Concentrated Loads (b) Vert: 15-253, 25-57, 57-47, 817-20, 37-20 Concentrated Loads (b) Vert: 15-253, 25-57, 57-47, 817-20, 37-20 Concentrated Loads (b) Vert: 15-423(B) 22-423(B) 22-423(B) 24-423(B) Obj Dad + 0.75, Root Live (bal.), 10-75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Line 422(B) 22-423(B) 22-423(B) Vert: 15-43, 25-9, 57-12, 7-8-19, 2-17-7 Drag: 78-0 Concentrated Loads (b) Vert: 16-423(B) 22-423(B) 23-423(B) 24-423(B) Vert: 15-43, 25-9, 57-12, 7-8-19, 2-17-7 Drag: 78-0 Concentrated Loads (b) Vert: 15-43, 25-50, 57-17-70, 7-20, 7-70 Vert: 12-43, 25-50, 57-17-70, 7-20, 7-70<	Uniform Loads (plf)	and (neg. internal) zhu i arai		1.00								
Drag: 78=0 Concentrate Loads (b) Vet: 16=423(8) 22=423(8) 23=423(8) 24=423(8) 19) Dead tomber Increase=0.00 Pith: increase=0.00 Pith: metal=0.30 Uniform Loads (b) Vet: 16=423(8) 22=423(8) 22=423(8) 24=423(8) 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 (b) Vet: 12=42, 25=0, 57=40, 57=40, 37=-20 Hore: 12=42, 25=0, 57=10, 74=7, 2-17=19 Drag: 78=0 Concentrated Loads (b) Vet: 15=423(8) 22=423(8) 23=423(8) 24=423(8) 20) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 21) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 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 (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 22) Dead + 0.67 Coroentrate Loads (b) Vet: 15=423(8) 22=423(8) 22=423(8) 24=423(8) 23) Dead + 0.67 Coroentrate Loads (b) Vet: 15=423(8) 22=423(8) 23=423(8) 24=423(8) 24=423(8) 22=423(8) 22=423(8) 23=423(8) 24=423(8) 24=423(8) 22	Vert: 1-2=-4, 2 Horz: 1-2=-16	2-5=-10, 5-7=6, 8-17=-20, 3-7 2-5=-10, 5-7=26, 7-8=-23, 2	7=-20 2-17=-7									
Concentrated Loads (III) Vert: 16-423(B) 22-423(B) 23-423(B) 24-423(B) Uniform Loads (IVI) Vert: 12-43, 25-45, 57-20, 8-17-20, 3-7-20 Concentrated Loads (IVI) Vert: 12-45, 25-45, 57-47, 8-17-20, 3-7-20 Hor: 12-44, 25-46, 57-10, 7-8-7, 2-17-19 Drag: 7-8-0 Concentrated Loads (IVI) Vert: 12-45, 25-45, 57-47, 8-17-20, 3-7-20 Hor: 12-44, 25-46, 57-10, 7-8-7, 2-17-19 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-45, 25-49, 57-410, 7-8-7, 2-17-20 Hor: 12-44, 25-40, 57-10, 7-8-7, 2-17-20 Hor: 12-44, 25-40, 57-10, 7-8-7, 2-17-20 Hor: 12-47, 25-40, 57-10, 7-8-9, 2-17-7 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 25-6-9, 5-7-12, 7-8-19, 2-17-7 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 23(B) 22-423(B) 22-423(B) 22-423(B) 22-423(B) 21) Dead + 0.75 Koot Live (Iau), 1 + 0.75(0, MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (IV) Vert: 12-46, 23-69, 5-7-20, 5-7-8, 7-9-0 Hor: 12-2-42, 25-20, 5-7-8, 7-9-5, 2-17-17 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 22-80, 57-20, 5-7-8, 7-9-5, 2-17-17 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 2-5-20, 5-7-8, 7-9-5, 2-17-17 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 2-5-20, 5-7-8, 7-9-5, 2-17-17 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 2-5-20, 5-7-8, 7-9-5, 2-17-17 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 2-5-50, 5-7-8, 7-9-5, 2-17-17 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-46, 2-5-50, 5-7-8, 7-9-20, 7-20 Hor: 12-42, 2-5-20, 5-7-8, 7-9-20, 7-20 Hor: 12-42, 2-5-20, 5-7-8, 7-9-20, 7-20 Hor: 12-42, 2-5-20, 5-7-8, 7-9-20, 7-20 Hor: 12-42, 2-7-20, 7-8-9, 7-20, 7-8-10, 7-8-10, 7-8-10 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-42, 2-7-20, 5-7-8, 7-72, 7-72-10 Drag: 7-8-0 Concentrated Loads (IV) Vert: 12-42, 2-7-20, 5-7-20, 8-17-20, 7-7-0 Hor: 12-42, 2-72, 5-7-20, 8-17-8, 3-7-20	Drag: 7-8=-0	,,,,, _										
 18) Dead: Lumber Increase=0.90, Pitat Increase=0.90 Pit. metal=0.90 Uniform Loads (plf) Vert: 12=-20, 2-5=-20, 5-7=-20, 8-17==20, 3-7=-20 Concentrated Loads (b) 9) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWKFRS Wind (Neg, Int) Left): Lumber Increase=1.60, Pitate Increase=1.60 Uniform Loads (plf) Vert: 12=-42, 2-5=-0, 5-7=10, 7-8=-7, 2-17=19 Drag; 7-8=0 Concentrated Loads (b) Vert: 15=-425(8) 22=-423(8) 23=-423(8) 24=-423(8) 20) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWKFRS Wind (Neg, Int) Right): Lumber Increase=1.60, Pitate Increase=1.60 Uniform Loads (plf) Vert: 15=-425(8) 22=-423(8) 23=-423(8) 24=-423(8) 20) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWKFRS Wind (Neg, Int) Right): Lumber Increase=1.60, Pitate Increase=1.60 Uniform Loads (plf) Vert: 15=-425(8) 22=-423(8) 23=-423(8) 23=-423(8) 21) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWKFRS Wind (Neg, Int) ranzing): Lumber Increase=1.60, Pitate Increase=1.60 Vert: 15=-425(8) 22=-423(8) 23=-423(8) 23=-423(8) 22 Dead + 0.75 Root Live (pal) + 0.75(0.6 MWKFRS Wind (Neg, Int) 1st Paralle): Lumber Increase=1.60, Pitate Increase=1.60 Uniform Loads (plf) Vert: 12=-42, 25=-30, 5-7=50, 8-17==20, 3-7==20 Horz: 12=-24, 25=-30, 5-7=50, 8-17==20, 3-7==20 Horz: 12=-24, 25=-30, 5-7=50, 8-17==20, 3-7==20 Horz: 12=-24, 25=-30, 5-7=50, 8-17==20, 3-7==20 Horz: 12=-42, 25=-30, 5-7=30, 8+17==20, 3-7=20 Horz: 12=-12, 25=-8, 5-7=20, 7-8=-17, 2-17=-5 Drag; 7-8=-0 Dead + 0.75 Root Live (pal) + 0.75(0.6 MWRFRS Wind (Neg, Int) 2nd Parallel): Lumber Increase=1.60, Pitate Increase=1.60 Vert: 15=-423(8) 22=-423(8) 23=-423(8) 23=-423(8) Dead + 0.65 C-Wind Min, Down: Lumber Increase=1.60 Vert: 15=-423(8) 22=-423(8) 23=-423(8) 23=-423(8) De	Concentrated Loads (II Vert: 16=-423	o) (B) 22=-423(B) 23=-423(B) 2	4=-423(B)									
Online Todas (p) Vext: 12=-20, 2-5-20, 5-7=-20, 8-17=-20, 8-17=-20, 3-7=-20 Concentrated Loads (p) Vext: 15=-423(8) 22=-423(8) 23=-423(8) 24=-423(8) 19) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWRRS Vimd (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pf) Vext: 12=-4, 25=-0, 5-7=-17, -7=-47, 8-17==0 Dead + 0.75 Root Live (pal) + 0.75(0.6 MWRRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pf) Vext: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 20) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWRRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vext: 12=-42, 25=-9, 5.7=12, 7-8=-19, 2-17=-7 Drag: 7-8=-0 Concentrated Loads (pl) Vext: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 21) Dead + 0.75 Root Live (pal) + 0.75(0.6 MWRRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pf) Vext: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 22 Dead + 0.75 Root Live (pal) + 0.75(0.6 MWRRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vext: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vext: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vext: 15=-423(B) 22=-423(B) 23=	18) Dead: Lumber Increase	e=0.90, Plate Increase=0.90	Plt. metal=0.90									
Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Lett): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vert: 12=-42, 25=-57, 57=-47, 8-17=-20, 37=-20 Horz: 12=-41, 25=-60, 57=10, 7-8=07, 2-17=19 Drag: 7.8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 4=-423(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 (pl) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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 (pl) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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 (pl) Vert: 16=-423(B) 22=-423(B) 23=-423(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 (pl) Vert: 16=-423(B) 22=-423(B) 22=-423(B) 22 Dead + 0.57 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2 Plate Increase=1.60 Uniform Loads (pl) Vert:	Vert: 1-2=-20,	2-5=-20, 5-7=-20, 8-17=-20,	3-7=-20									
 19) Deat - 0.75 Root Ure (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Unform Loads (pl) Vert. 1:2-a-50, 2:5-a-57, 5-7-a-47, 8-17-20, 3-7-a-20 Horz: 1:2-a4, 2:5-a0, 5-7-10, 7-8-7, 2-17-19 Drag: 7-8-a Concentrated Loads (lb) Vert. 1:6-423(8) 22a-423(8) 23a-423(8) 24a-423(8) 20) Deat - 0.75 Root Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vert. 1:2-a-51, 2:5-a-9, 5-7-a12, 7-8-19, 2-17-a-7 Drag: 7-8-a Concentrated Loads (lb) Vert. 1:2-a-41, 2:5-a-9, 5-7-a12, 7-8-19, 2-17-a-7 Drag: 7-8-a Concentrated Loads (lb) Vert. 1:2-a-51, 2:5-a-9, 5-7-a2, 7-8-19, 2-17-a-7 Drag: 7-8-a Concentrated Loads (lb) Vert. 1:2-a-41, 2:5-a-9, 5-7-12, 7-8-19, 2-17-a-7 Drag: 7-8-a Concentrated Loads (lb) Vert. 1:2-a-43, 2:5-a-36, 5-7-12, 7-8-19, 2-17-a-7 Drag: 7-8-a Concentrated Loads (lb) Vert. 1:2-a-43, 2:5-a-36, 5-7-80, 8-17-20, 3-7-20 Horz: 1:2-a-34, 2:5-a-36, 5-7-80, 7-8-20 Horz: 1:2-a-43, 2:5-a-36, 5-7-80, 7-8-20 Vert. 1:2-a-44, 2:5-a-20, 5-7-8, 7-8-5, 2-17-17 Drag: 7-8-30 Concentrated Loads (lb) Vert. 1:2-a-44, 2:5-a-20, 5-7-8, 7-8-5, 2-17-17 Drag: 7-8-30 Vert. 1:2-a-46, 2:5-a-50, 5-7-8, 7-8-7-20, 7-8-20 Horz: 1:2-a-43, 2:5-a-20, 5-7-8, 7-8-2, 1-17-20 Horz: 1:2-a-43, 2:5-a-20, 5-7-8, 7-8-2, 1-17-20 Drag: 7-8-0 Concentrated Loads (lb) Vert. 1:2-a-46, 2:5-a-50, 5-7-20, 7-8-20 Horz: 1:2-a-46, 2:5-a-50, 5-7-20, 3-7-20 Horz: 1:2-a-46, 2:5-a-50, 5-7-20, 3-7-20 Horz: 1:2-a-12, 2:5-a-5, 5-7-20, 7-8-21, 2-1-2-5 Drag: 7-8-0 Concentrated Loads (lb) Vert. 1:2-a-46, 2:5-a-50, 5-7-2, 8-8-17, 2-17-8-5 Drag: 7-8-0 Concentrated Loads (lb) Vert. 1:6-423(B) 2:2-423(B) 2:4-423(B)	Concentrated Loads (II Vert: 16=-423	o) (B) 22=-423(B) 23=-423(B) 2	4=-423(B)									
Unform Loads (pl) Vert: 1-2=53, 2-5=-5, 5-7=-27, 8-17=-20, 3-7=-20 Horz: 1-2=-4, 2-5=-0, 5-7=-0, 7-8=-7, 2-17=19 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 20) Dead + 0.75 Root Live (bal) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vert: 12=-45, 2-5=-49, 5-7=-40, 8-17=-20, 3-7=-20 Horz: 12=-13, 2-5=-9, 5-7=12, 7-8=-19, 2-17=-7 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 21) Dead + 0.75 Root Live (bal) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vert: 12=-34, 2-5=-36, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 12=-24, 2-5=-20, 5-7=6, 7-8=5, 2-17=17 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 22) Dead + 0.75 Root Live (bal) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vert: 12=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 12=-21, 2-5=-8, 5-7=-20, 7=-20 Horz: 12=-12, 2-5=-8, 5-7=-20, 7=-20 Horz: 12=-16, 2-5=-50, 5-7=-38, 8-17=-8, 3-7=-0 Concentrated Loads (lb) Vert: 15=-42(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60 Uniform Loads (pl) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 24) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60 Uniform Loads (pl) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 24) Concentrated Loads (lb) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vert: 15=-423(B) 22=-423(B) 23=-423(B) 24	19) Dead + 0.75 Roof Live	(bal.) + 0.75(0.6 MWFRS W	ind (Neg. Int) Left): Lumber Increase=1.60,	Plate Increase	=1.60							
Horz: 1-2=-4, 2-5=-0, 5-7=10, 7-8=7, 2-17=19 Dorag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 22=-423(B) 24=-423(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 (lb) Vert: 12=-46, 2-5=49, 5-7=-46, 8-17=-20, 3-7=-20 Horz: 1-2=-43, 2-5=-9, 5-7=12, 7-8=-19, 2-17=-7 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 22=-423(B) Paet + 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 (pl) Vert: 1-2=-24, 2-5=-30, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-30, 5-7=-30, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5==-30, 5-7=-30, 8-17=-20, 3-7=-20 Vert: 16=-423(B) 22=-423(B) 23=-423(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 (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (lb) <td>Uniform Loads (plf) Vert: 1-2=-53,</td> <td>2-5=-57, 5-7=-47, 8-17=-20,</td> <td>3-7=-20</td> <td></td> <td></td> <td></td> <td></td>	Uniform Loads (plf) Vert: 1-2=-53,	2-5=-57, 5-7=-47, 8-17=-20,	3-7=-20									
Concentrated Loads (h) Vett: 16=-423(8) 22=-423(8) 23=-423(8) 24=-423(8) 20 Pead + 0, 75 Root Live (ba) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vett: 1.2=-45, 2.5=-49, 5.7=-46, 8.17=-20, 3.7=-20 Horz: 1.2=-13, 2.5=-9, 5.7=12, 7.8=-19, 2.17=-7 Drag: 7.8=-0 Concentrated Loads (b) Vett: 16=-423(8) 22=-423(8) 23=-423(8) 24=-423(8) 21 Dead + 0, 75 Root Live (ba) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vett: 1-2=-34, 2.5=-38, 5.7=50, 8.17=-20, 3.7=-20 Horz: 1.2=-34, 2.5=-38, 5.7=50, 8.17=-20, 3.7=-20 Horz: 1.2=-34, 2.5=-38, 5.7=50, 8.17=-20, 3.7=-20 Horz: 1.2=-42, 2.5(8) 22=-423(8) 23=-423(8) 22 Dead + 0, 75 Root Live (ba) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pl) Vett: 12=-46, 2.5=-50, 5.7=-38, 8.17=-20, 3.7=-20 Horz: 1.2=-12, 2.5=-8, 5.7=-20, 3.7=-20 Horz: 1.2=-12, 2.5=-8, 5.7=-20, 3.7=-20 Horz: 1.2=-42, 2.5=-8, 5.7=-20, 3.7=-20 Horz: 1.2=-4, 2.5=-8, 5.7=-20, 3.7=-20 Horz: 1.2=-4, 2.5=-8, 5.7=-20, 7.8=-10, Plate Increase=1.60 Uniform Loads (pl) Vett: 12=-42, 2.5=-8, 5.7=-20, 8.17=-8, 3.7=-8 Horz: 1.2=-4, 2.5=-8, 5.7=-20, 8.17=-8, 3.7=-8 Horz: 1.2=-4, 2.5=-16, 5.7=-16, 5.7=-16, 2.17=-16 Drag: 7.8=-0 Concentrated Loads (b) Vett: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vett: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vett: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vett: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Vett: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B)	Horz: 1-2=-4,	2-5=-0, 5-7=10, 7-8=7, 2-17=	=19									
 Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 20) Dead + 0.75 Koot Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12=-45, 25=-49, 5-7=46, 8-17=-20, 3-7=-20 Horz: 1-2=-13, 2-5=-9, 5-7=12, 7-8=-19, 2-17=-7 Drag: 7-8=-0 Concentrated Loads (b) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 21) Dead + 0.75 Koot Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12=-34, 2-5=-38, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-30, 5-7=8, 7-8=5, 2-17=17 Drag: 7.8=0 Concentrated Loads (b) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 22) Dead + 0.75 Koot Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-40, 2-5=-30, 5-7=-30, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=-30, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=-30, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=-20, 8-17=-6, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (b) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Pead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60 Uniform Loads (plf) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 24. 24. 2, 25-28, 5-7=-28, 8-17=-6, 3-7=-8 Horz: 12=-16, 2-5=-16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7.8=-0 Concentrated Loads (b) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 	Concentrated Loads (II	b)										
 Lot Difform Loads (pil) Vert: 1-2=-45, 2-5=-49, 5-7=-20, 3-7=-20 Hor: 1/2=-13, 2-5=-9, 5-7=12, 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) Ploead + 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 (pil) Vert: 12=-34, 2-5=-30, 5-7=50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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 (pil) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 23) 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 (pil) Vert: 12=-24, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5==-8, 5-7=20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 23) Pead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-16, 2-5=16, 5-7=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 12=-16, 2-5=16, 5-7=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 	Vert: 16=-423 20) Dead + 0 75 Roof Live	(B) 22=-423(B) 23=-423(B) 2 (bal) + 0.75(0.6 MWERS W	4=-423(B) ind (Neg. Int) Right): Lumber Increase=1.60) Plate Increas	e=1.60							
Vert: 1/2=-49, 2-5=-49, 5-7=-48, 8-1/7=-20, 3-7=-20 Horz: 1.2=-13, 2-5=-9, 5-7=12, 7-8=-19, 2-17=-7 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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 (pf) Vert: 12=-34, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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 (pfl) Vert: 12=-24, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1.2=-46, 2-5==50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1.2=-46, 2-5==50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1.2=-46, 2-5==-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1.2=-46, 2-5==-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1.2=-12, 2-5=-8, 5-7=20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pfl) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (pfl) Vert: 12=-14, 2-5=-18, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B)	Uniform Loads (plf)				0-1.00							
Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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: 12=-34, 2-5=-38, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(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: 15=-423(B) 22=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16=-423(B) 22=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12=-423(B) 22=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12=-423(B) 22=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 12=-423(B) 22=-423(B) 24=-423(B) 24=-423(B) 22=-423(B) 24=-423(B) 24=-423(B) 25=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 26=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 27=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 28=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 29=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 29=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 20=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 20=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 21=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 22=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 24=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 24=-423(B) 23=-423(B) 23=-423(B) 24=-423(B) 25=-423(B) 23=-423(B) 23=-423(B) 24=-42	Vert: 1-2=-45, Horz: 1-2=-13	2-5=-49, 5-7=-46, 8-17=-20, , 2-5=-9, 5-7=12, 7-8=-19, 2-	3-7=-20 17=-7									
 Concentrated Loads (ID) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 21) Dead + 0.75 Root Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-34, 2-5=-38, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 22) Dead + 0.75 Root Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=-20, 3-7=-8 Horz: 1-2=-12, 2-5=-8, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=-16, 5-7=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B) 	Drag: 7-8=-0	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: 1-2=-34, 2-5=-38, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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: 1-2=-40, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-42, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-42, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-42, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Star: 1-2=-42, 2-5=-28, 5-7=-20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=-16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 	Vert: 16=-423	(B) 22=-423(B) 23=-423(B) 2	4=-423(B)									
Vert: 1-2=-34, 2-5=-38, 5-7=-50, 8-17=-20, 3-7=-20 Horz: 1-2=-24, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60 Uniform Loads (plf) Vert: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=-16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B)	21) Dead + 0.75 Roof Live Uniform Loads (plf)	(bal.) + 0.75(0.6 MWFRS W	ind (Neg. Int) 1st Parallel): Lumber Increase	e=1.60, Plate Ir	ncrease="	1.60						
 HOT2: 1-2=-24, 2-5=-20, 5-7=8, 7-8=5, 2-17=17 Drag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 	Vert: 1-2=-34,	2-5=-38, 5-7=-50, 8-17=-20,	3-7=-20									
Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(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: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 16=-423(B) 22=-423(B) 24=-423(B) Vert: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B)	Drag: 7-8=0	, 2-5=-20, 5-7=8, 7-8=5, 2-17	=17									
 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: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=-20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B) 	Concentrated Loads (II	0) (B) 22423(B) 23423(B) 2	4423(B)									
Uniform Loads (plf) Vert: 1-2=-46, 2-5=-50, 5-7=-38, 8-17=-20, 3-7=-20 Horz: 1-2=-12, 2-5=-8, 5-7=-20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-4, 2-5=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=-26, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B)	22) Dead + 0.75 Roof Live	(bal.) + 0.75(0.6 MWFRS W	ind (Neg. Int) 2nd Parallel): Lumber Increas	e=1.60, Plate I	ncrease=	1.60						
Horz: 1-2=-12, 2-5=-8, 5-7=20, 7-8=-17, 2-17=-5 Drag: 7-8=-0 Concentrated Loads (lb) Vett: 16=-423(B) 22=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vett: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=-16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B)	Uniform Loads (plf) Vert: 1-2=-46.	2-5=-50. 5-7=-38. 8-17=-20.	3-7=-20									
Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B)	Horz: 1-2=-12	, 2-5=-8, 5-7=20, 7-8=-17, 2-	17=-5									
Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 23) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-4, 2-5=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B)	Concentrated Loads (II	b)										
Uniform Loads (plf) Vert: 1-2=4, 2-5=-28, 5-7=-28, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B)	Vert: 16=-423 23) Dead + 0.6 C-C Wind I	(B) 22=-423(B) 23=-423(B) 2 Min_Down: Lumber Increase	4=-423(B) =1 60 Plate Increase=1 60									
veit: 1-z=4, 2-5=-28, 5-7=-28, 5-7=-8, 3-7=-8 Horz: 1-2=-16, 2-5=16, 5-7=-16, 7-8=-16, 2-17=-16 Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B)	Uniform Loads (plf)		7 0									
Drag: 7-8=-0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 24=-423(B)	vert: 1-2=4, 2- Horz: 1-2=-16	·ɔ=-∠ö, ɔ-/=-∠ö, ö-1/=-ö, 3-/ , 2-5=16, 5-7=-16, 7-8=-16, 2	/ =-∞ 2-17=-16									
Vert: 16=-423(B) 22=-423(B) 24=-423(B)	Drag: 7-8=-0 Concentrated Loads (II	b)										
	Vert: 16=-423	(B) 22=-423(B) 23=-423(B) 2	4=-423(B)									



						RELEASE FOR CONSTRUCTION
Job	Truss	Truss Type	Qty	Ply	Summit/70 Reserve Stoney	AS NOTED FOR PLAN REVIEW
2929203	D6	Roof Special	1	1		DEVELOPMENT SERVICES
2020200			1.		Job Reference (optional)	LEE'S SUMMIT, MISSOURI
Builders FirstSource (Valley	Center), Valley Center, H	(S - 67147,	8.4	130 s Aug 1	6 2021 MiTek Industries, Inc.	Wed Sep 15-13:05:00,2021 Rage 4
		ID:0Rf	yeQ?mR?o	qgtbqdiWpg	SIzFyAv-oJsGbfdAEtY6YPfu	QGLy8IF vVVTWJbl/fbomMgt/dlVVn_

Uniform Loads (plf) Vert: 1-2=4, 2-5=4, 5-7=4, 8-17=-8, 3-7=-8 Horz: 1-2=-16, 2-5=-16, 5-7=16, 7-8=16, 2-17=16 Drag: 7-8=0 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 25) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-70, 2-5=-70, 5-7=-20, 8-17=-20, 3-7=-20 Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 26) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-20, 2-5=-20, 5-7=-70, 8-17=-20, 3-7=-20

24) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60

Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 27) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf)

LOAD CASE(S) Standard

Vert: 1-2=-58, 2-5=-58, 5-7=-20, 8-17=-20, 3-7=-20 Concentrated Loads (lb)

Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B) 28) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-2=-20, 2-5=-20, 5-7=-57, 8-17=-20, 3-7=-20

Concentrated Loads (lb) Vert: 16=-423(B) 22=-423(B) 23=-423(B) 24=-423(B)









Scale = 1:26.7



	1-7-8 2-3-8 4-0-0	7-0-0	10-0-0	0	11-8-8	12-4-8 14-0	-0
Plate Offsets (X V)	<u>1-7-8</u> <u>0-8-0</u> <u>1-8-8</u> [2:0-9-6 0-1-8] [3:0-8-1 0-0-1] [7:0-8-1	3-0-0	3-0-0 1-0-2-2 0-1-01 [16-0-2-2	0-1-01	1-8-8	0-8-0 1-7-	8
	[2.0-9-0,0-1-8], [3.0-8-1,0-0-1], [7.0-8-1	,0-0-1], [0.0-9-0,0-1-0], [1-	+.0-2-2,0-1-0], [10.0-2-2,	0-1-0]			
LOADING(psf)TCLL25.0TCDL10.0BCLL0.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrNO	CSI. TC 0.90 BC 0.65 WB 0.17	DEFL. ir Vert(LL) -0.29 Vert(CT) -0.54 Horz(CT) 0.25	n (loc) l/defl 11-12 >573 11-12 >309 5 8 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 197/144
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS				Weight: 54	b FT = 20%
LUMBER- TOP CHORD 2x6 SF 4-6: 2x BOT CHORD 2x4 SF 3-7: 2x WEBS 2x4 SF	PF 2100F 1.8E *Except* 44 SPF No.2 PF No.2 *Except* 44 SP 2400F 2.0E PF No.2		BRACING- TOP CHORD BOT CHORD	Structural wood except 2-0-0 oc purlins Rigid ceiling dire	sheathing dir (2-4-2 max.): ectly applied o	rectly applied or 4-1 : 4-6. or 8-2-1 oc bracing.	-10 oc purlins,
REACTIONS. (siz Max H Max U Max C	e) 2=0-3-8, 8=0-3-8 lorz 2=25(LC 8) Jplift 2=-245(LC 4), 8=-245(LC 5) Grav 2=1079(LC 1), 8=1079(LC 1)						
FORCES. (lb) - Max. TOP CHORD 3-19: 7-8-	Comp./Max. Ten All forces 250 (lb) or =-287/99, 3-4=-4388/925, 4-5=-4442/94 -287/04	r less except when shown 2, 5-6=-4442/922, 6-7=-43	388/906,				
BOT CHORD 3-12 WEBS 4-12	=-883/4315, 11-12=-1048/4918, 7-11=-8 =-112/675, 6-11=-113/675, 5-12=-575/18	44/4315 89, 5-11=-575/188					
NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-16; V MWFRS (envelope) grip DOL=1.60 3) Provide adequate d 4) This truss has been 5) Provide mechanical 2=245, 8=245. 6) This truss is design referenced standard 7) Graphical purlin rep 8) "NAILED" indicates	e loads have been considered for this de /ult=115mph (3-second gust) Vasd=91m gable end zone; cantilever left and right rainage to prevent water ponding. designed for a 10.0 psf bottom chord liv connection (by others) of truss to bearin ed in accordance with the 2018 Internati d ANSI/TPI 1. resentation does not depict the size or tt 3-10d (0.148"x3") or 3-12d (0.148"x3.25	esign. nph; TCDL=6.0psf; BCDL= exposed ; end vertical lef re load nonconcurrent with ng plate capable of withsta onal Residential Code sec ne orientation of the purlin "") toe-nails per NDS guid	=4.2psf; h=15ft; Cat. II; E ft and right exposed; Lur n any other live loads. anding 100 lb uplift at join ctions R502.11.1 and R8 along the top and/or bo ines.	Exp C; Enclosed; nber DOL=1.60 pl nt(s) except (jt=lb) 02.10.2 and ttom chord.	ate	STATE C	OF MISSOLITE COTT M. SEVIER
 Hanger(s) or other of 4-0-0, and 260 lb do responsibility of othe 10) In the LOAD CASE 	connection device(s) shall be provided so own and 101 lb up at 9-11-4 on bottom of ers. E(S) section, loads applied to the face of	the truss are noted as fro	on of such connection de	wn and 101 lb up a evice(s) is the	at	PE-	UMBER 2001018807
LOAD CASE(S) Stan 1) Dead + Roof Live (b Uniform Loads (plf)	dard palanced): Lumber Increase=1.15, Plate	Increase=1.15				FESSIC	NAL ENGINE
ven. 1-4=-	10, +-010, 0-9=-10, 10-10=-20, 21-24=	-20, 10-27=-20				Septer	nber 17,2021
Continued on page 2						-	



RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE 3 SUMINIT, MISSOURI
Sen 15-13:05 02,202/ Rago 2
2Z MaJ/wne9y26FU kprydNWL

LOAD CASE(S) Standard Concentrated Loads (Ib)

Vert: 4=-37(F) 6=-37(F) 12=-260(F) 11=-260(F) 30=-37(F) 31=-37(F) 32=-47(F) 33=-47(F)





Scale = 1:26.3



L	2-3-8 6	-0-0	8-0-0			11-8-8		14-0-0	
	2-3-8 3	-8-8	2-0-0			3-8-8		2-3-8	
Plate Offsets (X,Y)	[3:0-4-14,Edge], [3:0-1-7,0-1-2], [6:0-0	·1,0-1-0]							
LOADING (psf) TCLL 25.0 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 0.90 BC 0.83 WB 0.03 Matrix-AS	DEFL. Vert(LL) - Vert(CT) - Horz(CT)	in -0.20 -0.37 0.22	(loc) 3-11 3-11 7	l/defl >838 >458 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 48 lb	GRIP 197/144 FT = 20%
LUMBER- TOP CHORD 2x6 SF 4-5: 2x BOT CHORD 2x4 SF WEBS 2x4 SF	BRACING- TOP CHORD BOT CHORD) <u>5</u> 2) F	Structu 2-0-0 o Rigid ce	ral wood c purlins eiling dire	sheathing dire (4-5-9 max.): 4 ectly applied.	ctly applied, except I-5.			
REACTIONS. (siz Max H Max U Max G									
FORCES. (lb) - Max. TOP CHORD 2-19: 5-6=:	Comp./Max. Ten All forces 250 (lb) c =-348/127, 3-19=-324/128, 3-4=-1657/ -1657/506, 6-21=-324/127, 7-21=-348/1	=-1618/515,							

BOT CHORD 3-11=-422/1611, 10-11=-418/1618, 6-10=-419/1611

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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-12, Interior(1) 2-1-12 to 6-0-0, Exterior(2E) 6-0-0 to 8-0-0, Exterior(2R) 8-0-0 to 12-2-15, Interior(1) 12-2-15 to 14-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Provide adequate drainage to prevent water ponding.

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

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 2 and 130 lb uplift at joint 7.
6) 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.

7) 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.

8) 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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Scale = 1:25.5



	2-3-8	7-0-0		11-	8-8		14-0-0	
	2-3-8	4-8-8		4-8	3-8		2-3-8	I
Plate Offsets (X,Y)	[3:0-4-14,Edge], [3:0-1-7,0-1-2], [5:0-0-	1,0-1-0]						
LOADING (psf) TCLL 25.0 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 0.90 BC 0.83 WB 0.05 Matrix-AS	DEFL. Vert(LL) -0 Vert(CT) -0 Horz(CT) 0	in (loc) 0.21 3-9 0.38 3-9 0.23 6	l/defl >803 2 >437 1 n/a	L/d 240 80 n/a	PLATES MT20 Weight: 49 lb	GRIP 197/144 FT = 20%
LUMBER- TOP CHORD 2x6 SF BOT CHORD 2x4 SF WEBS 2x4 SF REACTIONS. (siz Max H Max U Max C	PF No.2 PF No.2 PF No.2 PF No.2 PF No.2 dorz 2=-42(LC 13) Jplift 2=-124(LC 8), 6=-124(LC 9) Screw 2=604(LC 1)		BRACING- TOP CHORD BOT CHORD	Structu Rigid c	ural wood she ceiling directl	eathing direct y applied.	ly applied.	
FORCES. (lb) - Max. TOP CHORD 2-3= 5-6= BOT CHORD 3-9=	Comp./Max. Ten All forces 250 (lb) o -348/123, 3-17=-1574/399, 4-17=-1533/ -348/118 -326/1521, 5-9=-326/1521	r less except when shown. 415, 4-18=-1533/419, 5-18:	=-1574/402,					
NOTES- 1) Unbalanced roof live 2) Wind: ASCE 7-16; \ MWFRS (envelope) Interior(1) 10-0-0 to MWFRS for reaction 3) This truss has been	e loads have been considered for this di /ult=115mph (3-second gust) Vasd=91n) gable end zone and C-C Exterior(2E) - 14-10-8 zone; cantilever left and right e ns shown; Lumber DOL=1.60 plate grip designed for a 10.0 psf bottom chord li	esign. hph; TCDL=6.0psf; BCDL=4 0-10-8 to 2-1-12, Interior(1) xposed ; end vertical left an DOL=1.60 ve load nonconcurrent with	4.2psf; h=15ft; Cat. II 2-1-12 to 7-0-0, Ext Id right exposed;C-C any other live loads.	; Exp C; En erior(2R) 7-(for membe	closed; D-0 to 10-0-0 rs and forces	, ; &		

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 124 lb uplift at joint 6.

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.

6) 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.







4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 1 and 124 lb uplift at

joint 5.5) 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.

6) 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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grip DOL=1.60 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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

- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=209, 4=370.
- 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.
- 6) 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.







Max Uplift 4=-256(LC 8), 3=-385(LC 9) Max Grav 4=438(LC 11), 3=396(LC 10)

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

TOP CHORD 1-2=-269/239, 2-3=-236/252, 1-4=-721/560

BOT CHORD 3-4--507/440 1-3=-605/756

WEBS

NOTES-

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-9-12 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=256 3=385

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.







NOTES-

 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

3) 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) except (jt=lb) 5=209, 4=370.

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.

6) 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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			4-0-0 4-0-0				4	
LOADING (psf) TCLL 25.0 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 0.15 BC 0.10 WB 0.00 Matrix-AS	DEFL. vert(LL) 0.0 Vert(CT) -0.0 Horz(CT) 0.0	n (loc) 1 4-7 1 4-7 0 3	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 13 lb	GRIP 197/144 FT = 20%

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LUMBER-
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TOP CHORD 2x4 SPF No.2 BOT CHORD 2x6 SPF No.2 BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied. Rigid ceiling directly applied.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical Max Horz 2=72(LC 12) Max Uplift 3=-45(LC 12), 2=-35(LC 12), 4=-1(LC 12) Max Grav 3=104(LC 1), 2=245(LC 1), 4=82(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-11-4 zone; cantilever left and right and end end and end and end and end and end and end and e
- 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
- 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.
- 6) 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.







LOADING TCLL TCDL BCU	(psf) 25.0 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr. YES	CSI. TC 0.05 BC 0.02 WB 0.00	DEFL. in Vert(LL) -0.00 Vert(CT) -0.00 Horz(CT) 0.00	(loc) 7 7 3	l/defl >999 >999	L/d 240 180 n/a	PLATES MT20	GRIP 197/144
BCDL	10.0	Code IRC2018/TPI2014	Matrix-MP		0	1,04	11/4	Weight: 7 lb	FT = 20%

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LUMBER-
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TOP CHORD 2x4 SPF No.2 2x6 SPF No.2 BOT CHORD

BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 1-10-15 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical (size) Max Horz 2=40(LC 12) Max Uplift 3=-19(LC 12), 2=-28(LC 8), 4=-1(LC 12) Max Grav 3=44(LC 1), 2=161(LC 1), 4=38(LC 3)

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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4. 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.







LUMBER-

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

Structural wood sheathing directly applied. Rigid ceiling directly applied.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical Max Horz 2=62(LC 8)

Max Uplift 4=-34(LC 12), 2=-56(LC 8), 5=-5(LC 12) Max Grav 4=107(LC 1), 2=249(LC 1), 5=70(LC 3)

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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
- 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.
- 6) 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.







BOT CHORD

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

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

Max Horz 2=37(LC 8)

Max Uplift 3=-21(LC 12), 2=-48(LC 8)

Max Grav 3=51(LC 1), 2=161(LC 1), 4=33(LC 3)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 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.



Structural wood sheathing directly applied or 1-10-15 oc purlins.

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





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REACTIONS. All bearings 5-6-15.

(lb) - Max Horz 1=64(LC 11)

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

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

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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

3) Gable requires continuous bottom chord bearing.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 6.

6) 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.

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Plate Offsets (X,Y)-- [2:0-0-0.0-1-0], [2:0-1-0.0-5-3]

Plate Offsets (X, Y)-	[2:0-0-0,0-1-0], [2:0-1-0,0	J-D-3]										
LOADING (psf) TCLL 25.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	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 Matrix	0.08 0.04 0.05 ĸ-P	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.00 0.00 0.00	(loc) 1 1 6	l/defl n/r n/r n/a	L/d 120 120 n/a	PLATES MT20 Weight: 20 lb	GRIP 197/144 FT = 20%	
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4	SPF No.2 SPF No.2 SPF No.2 SPF No.2 SPF No.2		1		BRACING- TOP CHOF BOT CHOF	D D	Structu except Rigid c	ral wood end verti eiling dire	sheathing di cals. ectly applied	rectly applied or 5-2-6 or 10-0-0 oc bracing.	oc purlins,	

WEDGE Left: 2x4 SPF No.2

(lb) - Max Horz 2=102(LC 9)

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Max Uplift All uplift 100 lb or less at joint(s) 6, 7, 8
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Max Grav All reactions 250 lb or less at joint(s) 6, 2, 7, 8

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

TOP CHORD 2-3=-258/135 WEBS 3-8=-175/265

- NOTES-1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed;
- MWFRS (envelope) gable end zone and C-C Corner(3E) -0-4-8 to 2-6-6, Exterior(2N) 2-6-6 to 5-0-10 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) 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) Gable requires continuous bottom chord bearing.

- 4) Gable studs spaced at 1-4-0 oc.
- 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) 6, 7, 8.
 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and

 r) this truss is designed in accordance with the 2018 International Residential C referenced standard ANSI/TPI 1.





REACTIONS. All bearings 5-2-6.



Plate Offs	Sets (X,Y)	[2:0-0-0,0-0-12]										
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	0.04	4-7	>999	240	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.07	4-7	>889	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TP	12014	Matri	x-AS						Weight: 16 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

Max Horz 2=103(LC 11) Max Uplift 4=-55(LC 12), 2=-35(LC 12)

Max Grav 4=226(LC 1), 2=255(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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; Cat. II; Exp C; Enclosed;

MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-4-8 to 2-7-8, Interior(1) 2-7-8 to 5-0-10 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

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

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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.

6) 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.

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			1	3-3-8	
LOADING TCLL	(psf) 25.0	SPACING- 2-0-0 Plate Grip DOL 1.15	CSI. TC 0.14	DEFL. in (loc) I/defl L/d Vert/LL) -0.01 4-7 >999 240	PLATES GRIP MT20 197/144
TCDL	10.0	Lumber DOL 1.15	BC 0.10	Vert(CT) -0.01 4-7 >999 180	
BCLL	0.0	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 2 n/a n/a	
BCDL	10.0	Code IRC2018/TPI2014	Matrix-MP		Weight: 10 lb FT = 20%

LUMBER-

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

BRACING-TOP CHORD

Structural wood sheathing directly applied or 3-3-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. 4=Mechanical, 2=0-3-8 (size) Max Horz 2=68(LC 11) Max Uplift 4=-35(LC 12), 2=-24(LC 12) Max Grav 4=140(LC 1), 2=169(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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; Cat. II; Exp C; Enclosed;

MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-4-8 to 2-7-8, Interior(1) 2-7-8 to 3-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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.







LOADING	(psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d PLATES GRIP Vert(LL) -0.00 7 >999 240 MT20 197/144 Vert(CT) -0.00 7 >999 180 MT20 197/144
TCLL	25.0	Plate Grip DOL 1.15	TC 0.05	
TCDL	10.0	Lumber DOL 1.15	BC 0.02	
BCLL	0.0	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 2 n/a n/a
BCDL	10.0	Code IRC2018/TPI2014	Matrix-MP	Weight: 8 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SPF No.2 BOT CHORD 2x6 SPF No.2 WEBS 2x4 SPE No.2

WEBS 2x4 SPF No.2

REACTIONS. (size) 4=Mechanical, 2=0-3-8 Max Horz 2=42(LC 11) Max Uplift 4=-15(LC 12), 2=-33(LC 8)

Max Grav 4=67(LC 1), 2=158(LC 1)

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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

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

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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.

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Structural wood sheathing directly applied or 1-11-8 oc purlins,

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

except end verticals.





LOADING (psf) TCLL 25.0	SPACING- 2-0-0 Plate Grip DOL 1.15	CSI. TC 0.78	DEFL. in Vert(LL) n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 197/144
BCLL 0.0 BCDL 10.0	Rep Stress Incr YES Code IRC2018/TPI2014	WB 0.00 Matrix-P	Horz(CT) 0.00	- 3	n/a	999 n/a	Weight: 19 lb	FT = 20%
LUMBER-			BRACING-					

BOT CHORD

TOP CHORD 2x4 SPF No.2

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

REACTIONS. (size) 1=6-11-11, 3=6-11-11

Max Horz 1=117(LC 9) Max Uplift 1=-34(LC 12), 3=-58(LC 12)

Max Grav 1=281(LC 1), 3=281(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 6-10-7 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) Gable requires continuous bottom chord bearing.

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.





LOADING (psf) TCLL 25.0 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 0.15 BC 0.08 WB 0.00 Matrix-P	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 3 n/a n/a Weight: 9 lb FT = 20%
I UMBER-			BRACING-

BOT CHORD

LUMBER-

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

2x4 SPF No.2

REACTIONS. 1=3-7-11, 3=3-7-11 (size) Max Horz 1=55(LC 9) Max Uplift 1=-17(LC 12), 3=-30(LC 12) Max Grav 1=131(LC 1), 3=131(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Gable requires continuous bottom chord bearing.

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 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.

OF MISS P 0 SCOTT M. SEVIER PE-200101880 SIONAL E

Structural wood sheathing directly applied or 3-8-3 oc purlins,

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

except end verticals.

September 17,2021







LOADING (psf) TCLL 25.0 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 0.14 BC 0.08 WB 0.00 Matrix-P	DEFL. in (loc) I/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 3 n/a n/a	PLATES GRIP MT20 197/144 Weight: 9 lb FT = 20%
I UMBER-			BRACING-	

BOT CHORD

UMBER-

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

2x4 SPF No.2 REACTIONS. 1=3-6-14, 3=3-6-14 (size)

Max Horz 1=53(LC 9) Max Uplift 1=-16(LC 12), 3=-30(LC 12) Max Grav 1=128(LC 1), 3=128(LC 1)

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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone 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) Gable requires continuous bottom chord bearing.

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 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.

OF MISS F SCOTT M. SEVIER MIMB OFF PE-200101880 SSIONAL

Structural wood sheathing directly applied or 3-7-6 oc purlins,

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

except end verticals.

September 17,2021

MiTek 16023 Swingley Ridge Rd Chesterfield, MO 63017



LOADING (psf)	f) SPACII	IG-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 25.0	0 Plate G	rip DOL	1.15	TC	0.76	Vert(LL)	n/a	-	n/a	999	MT20	197/144
TCDL 10.0	0 Lumber	DOL	1.15	BC	0.41	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0	0 Rep Str	ess Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	0 Code I	RC2018/TI	PI2014	Matri	k-P						Weight: 19 lb	FT = 20%
LUMBER-						BRACING-						

BOT CHORD

TOP CHORD 2x4 SPF No.2

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

WEBS 2x4 SPF No.2 REACTIONS. (size) 1=6-10-14, 3=6-10-14

Max Horz 1=10(LC 9) Max Uplift 1=-34(LC 12), 3=-58(LC 12)

Max Grav 1=278(LC 1), 3=278(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) 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; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 6-9-10 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate

grip DOL=1.60

2) Gable requires continuous bottom chord bearing.

- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- (4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplint at joint(s) 1, 3.
 (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.



Structural wood sheathing directly applied or 6-0-0 oc purlins,

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

except end verticals.





REACTIONS. (size) 1=9-4-12, 3=9-4-12, 4=9-4-12 Max Horz 1=-84(LC 8) Max Uplift 1=-32(LC 13), 3=-42(LC 13), 4=-20(LC 12) Max Grav 1=206(LC 1), 3=206(LC 1), 4=367(LC 1)

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.

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed;

- MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-4-13 to 3-4-13, Interior(1) 3-4-13 to 4-8-11, Exterior(2R) 4-8-11 to 7-8-11, Interior(1) 7-8-11 to 9-0-9 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) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
- 6) 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 2x4 SPF No.2

OTHERS 2x4 SPF No.2

REACTIONS. 1=6-11-15, 3=6-11-15, 4=6-11-15 (size) Max Horz 1=-61(LC 8) Max Uplift 1=-30(LC 13), 3=-38(LC 13) Max Grav 1=162(LC 1), 3=162(LC 1), 4=239(LC 1)

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.

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed;

- MWFRS (envelope) gable end zone 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

3) Gable requires continuous bottom chord bearing.

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

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

6) 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.







LUMBER-

TOP CHORD2x4 SPF No.2BOT CHORD2x4 SPF No.2OTHERS2x4 SPF No.2

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-7-3, 3=4-7-3, 4=4-7-3 Max Horz 1=38(LC 9) Max Uplift 1=-19(LC 13), 3=-23(LC 13) Max Grav 1=99(LC 1), 3=99(LC 1), 4=147(LC 1)

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.

2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=4.2psf; h=15ft; Cat. II; Exp C; Enclosed;

- MWFRS (envelope) gable end zone 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
- 3) Gable requires continuous bottom chord bearing.

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

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

6) 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.





