Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F01	Floor	46	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F02	Floor	2	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:a3cmSGLGDyIvUymiB8GR0ozhHOb-?epj76toAFAZtgAguuuqucKz40Z3LrUZhKnPoCzdz4I



4x4

Plate Offsets (X, Y): [1:Edge,1-08], [6:1-08,Edge], [8:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI	0.20	DEFL	in 0.10	(loc)	l/defl	L/d	PLATES	GRIP	•
TCDL	40.0	Lumber DOL	1.00	BC	0.29	Vert(LL)	-0.10	9-10 9-10	>999 >927	460 360	101120	244/190	
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a			
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 11%E	
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat)												
BRACING TOP CHORD BOT CHORD	Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly	eathing directly applie ccept end verticals. y applied or 10-0-0 oc	ed or										

bracing. **REACTIONS** (size) 7= Mechanical, (min. 1-08), 10= Mechanical, (min. 1-08) Max Grav 7=537 (LC 1), 10=537 (LC 1) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1358/0, 3-4=-1358/0, 4-5=-1358/0 BOT CHORD 9-10=0/946, 8-9=0/1358, 7-8=0/946 5-7=-1042/0, 2-10=-1042/0, 5-8=0/525, WEBS

NOTES

- 1) Unbalanced floor live loads have been considered for this design.
- Refer to girder(s) for truss to truss connections.

2-9=0/525

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F03	Floor	4	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:th2qUTeJZKKVMebJbBi3_szhHOD-?epj76toAFAZtgAguuuqucK_h0cuLumZhKnPoCzdz4I

3x6





4x4



Camber = 1/16 in

Plate Offsets (X, Y): [3:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.06	4-5	>873	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 28 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP N	o.1(flat)
BOT CHORD	2x4 SP N	o.1(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura 4-10-0 oc	l wood sheathing directly applied or purlins. except end verticals.
BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(size)	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08)
REACTIONS	(size) Max Grav	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1)
REACTIONS	(size) Max Grav (lb) - Max	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1) . Comp./Max. Ten All forces 250
REACTIONS FORCES	(size) Max Grav (lb) - Max (lb) or les	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1) Comp./Max. Ten All forces 250 s except when shown.
REACTIONS FORCES BOT CHORD	(size) Max Grav (lb) - Max (lb) or les 4-5=0/267	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1) .: Comp./Max. Ten All forces 250 s except when shown.
REACTIONS FORCES BOT CHORD WEBS	(size) Max Grav (lb) - Max (lb) or les 4-5=0/267 2-5=-290/	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1) Comp./Max. Ten All forces 250 s except when shown. 7 /0, 2-4=-310/0
REACTIONS FORCES BOT CHORD WEBS NOTES	(size) Max Grav (lb) - Max (lb) or les 4-5=0/267 2-5=-290/	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1) Comp./Max. Ten All forces 250 s except when shown. 7 (0, 2-4=-310/0
REACTIONS FORCES BOT CHORD WEBS NOTES 1) Attach ribl	(size) Max Grav (lb) - Max (lb) or les 4-5=0/267 2-5=-290/ pon block to	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08) 4=252 (LC 1), 5=246 (LC 1) Comp./Max. Ten All forces 250 s except when shown. 7 /0, 2-4=-310/0 o truss with 3-10d nails applied to

flat face.

that face.
 Refer to girder(s) for truss to truss connections.
 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F04	Floor	3	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:L88eGdscKsbxWPznez1ljezhHNx-?epj76toAFAZtgAguuuqucKzN0dHLv4ZhKnPoCzdz4I



182 lb/0 lb

3x6

Plate Offsets (X, Y): [1:Edge,1-08]

TCU 40.0					DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
1011 40.0	Plate Grip DOL	1.00	тс	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLL 0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL 5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP N	o.1(flat)
BOT CHORD	2x4 SP N	o.1(flat)
WEBS	2x4 SP N	o.3(flat)
OTHERS	2x4 SP N	o.3(flat)
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
	3-8-0 oc	purlins, except end verticals.
BOT CHORD	Rigid ceil	ing directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08)
REACTIONS	(size) Max Grav	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1)
REACTIONS	(size) Max Grav (lb) - Max	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1) . Comp./Max. Ten All forces 250
REACTIONS FORCES	(size) Max Grav (lb) - Max (lb) or les	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1) Comp./Max. Ten All forces 250 s except when shown.
REACTIONS FORCES WEBS	(size) Max Grav (lb) - Max (lb) or les 2-4=-261/	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1) . Comp./Max. Ten All forces 250 s except when shown. /0
REACTIONS FORCES WEBS NOTES	(size) Max Grav (lb) - Max (lb) or les 2-4=-261/	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1) .: Comp./Max. Ten All forces 250 s except when shown. %
REACTIONS FORCES WEBS NOTES 1) Attach ribl	(size) Max Grav (lb) - Max (lb) or les 2-4=-261/	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1) Comp./Max. Ten All forces 250 s except when shown. /0
REACTIONS FORCES WEBS NOTES 1) Attach ribli flat face.	(size) Max Grav (Ib) - Max (Ib) or les 2-4=-261/ bon block to	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08) 4=182 (LC 1), 5=188 (LC 1) Comp./Max. Ten All forces 250 s except when shown. // o truss with 3-10d nails applied to

- Refer to girder(s) for truss to truss connections.
 Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job		Truss		Truss Type	e		Qty	Ply	Lucy	Quarte	r Town	homes	3		
B2500281		F05		Floor			46	1	Job F	Referen	ice (opt	ional)			
Hiwassee Structu	ural Products, Cl	nattanoo	ga, TN 37404, Chase Th	omas		Run: 8.82 S Oct 3	31 2024 Print:	8.820 S Oct	31 2024 E4aqvet	MiTek	Industrie Ew-TaM	s, Inc. V 5KSuR	Wed Mar 05 14:02:1	7 210o34A4iw	Page: 1 XvKezdz4H
			2.06.00			2 01 08	12.90		. iagyot			ontourt			
		14				/	20, 07-08							/	
					3x6 FP										
		1.	5x3 4x8		1.5x3	4x4	1.5x3	4x4	Ļ		1.5x3		4x8	1.5x3	
3-08		WT		T1							0				\rightarrow
0.60	1-04-00	BL1	W2												1-04-00
		X		1	B	1				1	are	<u> </u>	2		
	11	3 14 lb/0 ll	x6 >		4x8	1.5x3	4x4	1.5x3			4x8		111	3x6 4 lb/0 lb	
							M18	AHS 3x10 F	Р						
		1		8-00-00		1-00-0 0 -01	-08			10-	-06-00			/	
Camber = 3/16 i	in														
Plate Offsets ()	X, Y): [5:1-08,	Edge],	[12:3-00,Edge], [14:1	-08,Edge],	[16:3-08,Edge	1									
Loading		(psf)	Spacing		2-00-00 C	SI	DE	FL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL TCDL		40.0 10.0	Plate Grip DOL Lumber DOL		1.00 T 1.00 E	C BC	0.66 Ve 0.77 Ve	rt(LL) - rt(CT) -	0.48 1 0.67 1	2-14 2-14	>507 >367	480 360	M18AHS MT20	186/179 244/190	
BCLL BCDL		0.0 5.0	Rep Stress Incr Code	IBC202	YES V 1/TPI2014 N	VB /atrix-S	0.78 Ho	rz(CŤ)	0.08	11	n/a	n/a	Weight: 102 lb	FT = 20%	5F, 11%E
					1014/9	20%*/6	1							-	<u> </u>
TOP CHORD	2x4 SP No.1 2.0E(flat)	(flat) *E	xcept* T2:2x4 SP 24	00F	- A-										
BOT CHORD WEBS	2x4 SP 2400 2x4 SP No.3)F 2.0E((flat)	(flat)		88										
OTHERS BRACING	2x4 SP No.3	(flat)													
TOP CHORD	Structural we 6-0-0 oc pur	ood she lins, ex	athing directly applie cept end verticals.	d or											
BOT CHORD	Rigid ceiling bracing.	directly	applied or 10-0-0 oc	QR	Link: How to Re	ad Engineer Draw	ings_								
REACTIONS	(size) 11	=3-00,	(min. 1-08), 17=3-00,												
FORCES	Max Grav 11	=1114	(LC 1), 17=1114 (LC	1)											
	(lb) or less e	xcept w 3-4=-3	hen shown. 606/0_4-5=-3606/0	.50											
	5-6=-4629/0, 8-9=-3642/0	6-7=-4	629/0, 7-8=-3642/0,												
BOT CHORD	16-17=0/215 13-14=0/447	0, 15-1 6, 12-1	6=0/4629, 14-15=0/4 3=0/4476, 11-12=0/2	629, 160											
WEBS	2-17=-2361/0 5-16=-1351/0), 2-16=), 9-11=	=0/1609, 3-16=-278/5 =-2372/0, 9-12=0/163	9, 8,											
NOTES	7-12=-922/0,	7-14=-	234/657												
1) Unbalance this design	d floor live loa	ids have	e been considered for	r											
 All plates a Attach ribb 	on block to tru	es unles uss with	s otherwise indicated 3-10d nails applied t	i. o											
tlat face.4) The Fabric	ation Toleran	ce at joi	nt 13 = 11%												
 bearing pla Beacomment 	ate at joint(s) 1	7.	(by others) of truss to)											
10-00-00 o	nu ∠xo strongl oc and fastene 3") nails_ Stro	d to each	ch truss with 3-10d	alls											
at their out	er ends or res	trained	by other means.	2113											
LOAD CASE(S	Januard														

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F06	Floor	3	1	Job Reference (optional)

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Plate Offsets (X, Y): [1:Edge,1-08], [6:1-08,Edge], [8:1-08,Edge], [9:1-08,Edge]

	, :): [::⊇age,: ee],			-								
Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.29	Vert(LL)	-0.11	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.16	9-10	>919	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 11%E
LUMBER												
TOP CHORD	2x4 SP No.1(flat)											
BOT CHORD	2x4 SP No.1(flat)											
WEBS	2x4 SP No.3(flat)											

VILDO	214 01 1	10.0(liat)								
BRACING										
TOP CHORD	Structura	Structural wood sheathing directly applied or								
	6-0-0 oc	purlins, except end verticals.								
BOT CHORD	Rigid ceil	Rigid ceiling directly applied or 10-0-0 oc								
	bracing.									
REACTIONS	(size)	7= Mechanical, (min. 1-08), 10=								
		Mechanical, (min. 1-08)								
	Max Grav	7=539 (LC 1), 10=539 (LC 1)								
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250								
	(lb) or les	s except when shown.								
TOP CHORD	2-3=-136	6/0, 3-4=-1366/0, 4-5=-1366/0								
BOT CHORD	9-10=0/9	50, 8-9=0/1366, 7-8=0/950								
WEBS	5-7=-104	6/0, 2-10=-1046/0, 5-8=0/530,								
	2-9=0/53	0								

NOTES

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

Refer to girder(s) for truss to truss connections.
 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F07	Floor	2	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:2qIPSRvEstAA5yQIGHwwMgzhHAz-PDUrl8vhTAY7k7vFa0RXWEyV6Ee3YFf?NI03PXzdz4F



Plate Offsets (X, Y): [3:1-08,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.16	Vert(CT)	-0.05	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N	o.1(flat) o.1(flat) o.3(flat) o.3(flat)
BRACING		
TOP CHORD	Structura	l wood sheathing directly applied or ourlins except end verticals
BOT CHORD	Rigid ceil bracing.	ing directly applied or 10-0-0 oc
REACTIONS	(size)	4= Mechanical, (min. 1-08), 5=3-00, (min. 1-08)
	Max Grav	4=231 (LC 1), 5=225 (LC 1)
FORCES	(lb) - Max (lb) or les	. Comp./Max. Ten All forces 250 s except when shown.
WEBS	2-4=-276/	0
NOTES		
1) Attach ribl	oon block to	truss with 3-10d nails applied to

- flat face.
- Refer to girder(s) for truss to truss connections. 2)
- 3) Provide mechanical connection (by others) of truss to
- bearing plate at joint(s) 5.
 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F08	Floor	2	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:6_DWANIJJjCexttR8?URfQzhHAT-PDUrl8vhTAY7k7vFa0RXWEyRfEgmYGI?NI03PXzdz4F









Plate Offsets (X, Y): [4:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.46	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.05	Vert(CT)	-0.01	3-4	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P		. ,					Weight: 19 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No	o.1(flat)
BOT CHORD	2x4 SP No	p.1(flat)
WEBS	2x4 SP No	o.3(flat)
OTHERS	2x4 SP No	p.3(flat)
BRACING		
TOP CHORD	Structural	wood sheathing directly applied or
	3-1-0 oc p	ourlins, except end verticals.
BOT CHORD	Rigid ceili	ng directly applied or 10-0-0 oc
	bracing.	
REACTIONS	(size)	3=3-00, (min. 1-08), 4= Mechanical,
	. ,	(min. 1-08)
	Max Grav	3=150 (LC 1), 4=156 (LC 1)
FORCES	(lb) - Max.	Comp./Max. Ten All forces 250
	(lb) or less	s except when shown.
NOTES		
1) Attach ribl	oon block to	truss with 3-10d nails applied to

т)

flat face.

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

3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.

4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F09	Floor	46	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1

ID:rzkho_VXv7a1EbdNA9lauJzhH6K-PDUrl8vhTAY7k7vFa0RXWEyMqEStY3e?Nl03PXzdz4F



Lo	ading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TC	LL	40.0	Plate Grip DOL	1.00	TC	0.77	Vert(LL)	-0.48	15-16	>529	480	M18AHS	186/179
TC	DL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.67	15-16	>385	360	MT20	244/190
BC BC	DL	0.0 5.0	Rep Stress Incr Code	IBC2021/TPI2014	WB Matrix-S	0.84	Horz(C1)	0.10	12	n/a	n/a	Weight: 108 lb	FT = 20%F, 11%E
LU TO	MBER P CHORD	2x4 SP 2400F 2.0E	(flat) *Except* T2:2x4 S	P 284									
во	T CHORD	2x4 SP 2400F 2.0E	(flat) *Except* B2:2x4 S	SP CON	93. A								
WE OT	EBS HERS	2x4 SP No.3(flat) 2x4 SP No.3(flat)											
BR TO BO	ACING P CHORD	Structural wood she 6-0-0 oc purlins, ex Bigid ceiling directly	eathing directly applied ccept end verticals.	or QR Link: How to	Read Engineer D	rawings							
ЪО		bracing.	applied of 2-2-0 00										
RE	ACTIONS	(size) 12=3-00, (min. 1-08) Max Gray 12=1167	(min. 1-08), 19=3-00, 8) (I C 1) 19=1167 (I C 1)										
FO	RCES	(lb) - Max Comp /M	lax Ten - All forces 25	, D									
то	P CHORD	(lb) or less except w 2-3=-3831/0, 3-4=-3 5-6=-5217/0, 6-7=-5 8-9=-3860/0, 9-10=-	when shown. 3831/0, 4-5=-4971/0, 5217/0, 7-8=-3860/0, -3860/0	-									
во	T CHORD	18-19=0/2263, 17-1 15-16=0/4984, 14-1 12-13=0/2266	8=0/4971, 16-17=0/497 5=0/4814, 13-14=0/481	71, 4,									
WE	BS	5-16=-346/71, 2-19: 3-18=-269/46, 4-18: 10-13=0/1762, 7-13 6-15=-401/32, 5-15:	=-2485/0, 2-18=0/1734, =-1427/0, 10-12=-2489/ =-1055/0, 7-15=0/562, =-347/723	0,									
NO	TES												
1)	Unbalance this design	ed floor live loads hav n.	e been considered for										
2) 3)	All plates a Attach ribb flat face.	are MT20 plates unles oon block to truss with	ss otherwise indicated. a 3-10d nails applied to										
4)	The Fabric	cation Tolerance at jo	int 14 = 11%										
5)	Provide m bearing pla	echanical connection ate at joint(s) 12.	(by others) of truss to										
6)	Recomme 10-00-00 (0.131" X	nd 2x6 strongbacks, oc and fastened to ea 3") nails. Strongback	on edge, spaced at ch truss with 3-10d s to be attached to wall	s									
	at their out	ter ends or restrained	by other means.										

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F10	Floor	1	1	Job Reference (optional)

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Plate Offsets (X, Y): [1:Edge,1-08], [6:1-08,Edge], [8:1-08,Edge], [9:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI	0.00	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TOLL	40.0	Plate Grip DOL	1.00		0.28	Vert(LL)	-0.10	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	vert(CT)	-0.16	9-10	>942	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	7	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat)											
TOP CHORD	 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. 											
BOT CHORD	Rigid ceiling directly bracing.	y applied or 10-0-0 oc										
REACTIONS	(size) 7= Mecha	anical, (min. 1-08), 10	=									

 Mechanical, (min. 1-08)

 Max Grav
 7=535 (LC 1), 10=535 (LC 1)

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

 TOP CHORD
 2-3=-1350/0, 3-4=-1350/0, 4-5=-1350/0

 BOT CHORD
 9-10=0/943, 8-9=0/1350, 7-8=0/943

 WEBS
 5-7=-1038/0, 2-10=-1038/0, 5-8=0/519,

NOTES

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

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

2-9=0/519

 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F11	Floor	1	1	Job Reference (optional)

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3x6

Plate Offsets (X, Y): [1:Edge,1-08]

Loading	(psf)	Spacing	2-00-00	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N 2x4 SP N	o.1(flat) o.1(flat) o.3(flat) o.3(flat)
BRACING		
TOP CHORD	Structura	I wood sheathing directly applied or
BOT CHORD	3-9-0 oc Rigid ceil bracing.	purlins, except end verticals. ing directly applied or 10-0-0 oc
REACTIONS	(size)	4=3-00, (min. 1-08), 5= Mechanical, (min. 1-08)
	Max Grav	4=186 (LC 1), 5=192 (LC 1)
FORCES	(lb) - Max (lb) or les	. Comp./Max. Ten All forces 250 s except when shown.
WEBS	2-4=-257/	0
NOTES		
1) Attach ribb	on block to	truss with 3-10d nails applied to

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

- 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 5) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F12	Floor	12	1	Job Reference (optional)

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ID:gOfwHhpqiPcQgrPO4RGdYzzhGaL-qoA_OAyZm5wicbdqF9?E8tZwKRUflU6R3GEj0szdz4C



Camber = 1/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [6:1-08,Edge], [9:1-08,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.00 1.00 YES IBC2021/TPI2014	CSI TC BC WB Matrix-S	0.56 0.87 0.60	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.25 -0.34 0.06	(loc) 14-15 14-15 10	l/defl >819 >617 n/a	L/d 480 360 n/a	PLATES M18AHS MT20 Weight: 88 lb	GRIP 186/179 244/190 FT = 20%F, 11%E
LUMBER TOP CHO BOT CHO WEBS OTHERS BRACINO TOP CHO BOT CHO	 DRD 2x4 SP No.1(flat) DRD 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) DRD Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing. 	eathing directly applied of coept end verticals. v applied or 10-0-0 oc	or QR Link: How to	Read Engineer Drav	vings							
REACTIC	NS (size) 10= Mech 16=3-00, Max Gray 10=953 (J	nanical, (min. 1-08), (min. 1-08) C 1) 16=947 (I C 1)										
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250	1									
ТОР СНС	(ID) of less except w RD 2-3=-2926/0, 3-4=-2	nen snown. 926/0, 4-5=-2926/0,										
вот сно	5-6=-3388/0, 6-7=-2 RD 15-16=0/1789, 14-1	906/0, 7-8=-2906/0 5=0/3388, 13-14=0/338	8,									
WEBS	12-13=0/3388, 11-1 2-16=-1963/0, 2-15= 5-15=-787/0, 8-10=- 7-11=-273/25, 6-11=	2=0/3388, 10-11=0/179. =0/1257, 3-15=-305/0, .1973/0, 8-11=0/1232, =-813/0	2									
NOTES												
1) Unbal	anced floor live loads have	e been considered for										
2) All pla	tes are MT20 plates unles	s otherwise indicated.										
 Attack flat fa 	ribbon block to truss with ce.	3-10d nails applied to										

- Refer to girder(s) for truss to truss connections.
 Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at the path and a stratigned by attached to walls at their outer ends or restrained by other means. 6) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F13	Floor	12	1	Job Reference (optional)

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Camber = 1/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [6:1-08,Edge], [9:1-08,Edge], [15:2-12,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.00 1.00 YES IBC2021/TPI2014	CSI TC BC WB Matrix-S	0.59 0.91 0.55	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.23 -0.31 0.05	(loc) 14-15 14-15 10	l/defl >842 >627 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly bracing.	eathing directly applied cept end verticals. / applied or 10-0-0 oc	or QR Link: How to	Read Engineer Di	<u>rawings</u>							
REACTIONS	(size) 10= Mech 16=3-00, Max Grav 10=903 (L	nanical, (min. 1-08), (min. 1-08) _C 1), 16=897 (LC 1)										
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 25	0									
TOP CHORD	2-3=-2718/0, 3-4=-2	718/0, 4-5=-2718/0,										
BOT CHORD	15-16=0/1680, 14-1 12-13=0/3023, 11-1	5=0/3023, 13-14=0/302 2=0/1686, 10-11=0/168	23, 36									
WEBS	2-16=-1843/0, 2-15= 5-15=-626/14, 8-10= 6-12=-736/0	=0/1148, 3-15=-308/0, =-1856/0, 8-12=0/1093										
NOTES												

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Attach ribbon block to truss with 3-10d nails applied to flat face.
- 11at face.
 3) Refer to girder(s) for truss to truss connections.
 4) Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 5) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	F14	Floor	12	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

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Camber = 1/16 in

Plate Offsets (X, Y): [5:1-08,Edge], [6:1-08,Edge], [9:1-08,Edge]

Load TCLL TCDI BCLL BCDI	ling - - -	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.00 1.00 YES IBC2021/TPI2014	CSI TC BC WB Matrix-S	0.56 0.87 0.60	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.25 -0.34 0.06	(loc) 14-15 14-15 10	l/defl >821 >617 n/a	L/d 480 360 n/a	PLATES M18AHS MT20 Weight: 89 lb	GRIP 186/179 244/190 FT = 20%F, 11%E	
LUM TOP BOT WEB OTHI BRA TOP	BER CHORD CHORD S ERS CING CHORD	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she	athing directly applied	n Leise										
вот	CHORD	6-0-0 oc purlins, ex Rigid ceiling directly bracing.	cept end verticals. applied or 10-0-0 oc	QR Link: How to	Read Engineer Drav	<u>vings</u>								
REA	CTIONS	(size) 10= Mech 16=3-00, Max Gray, 10=956 (J	nanical, (min. 1-08), (min. 1-08) C 1) 16=949 (I C 1)											
FOR	CES	(lb) - Max. Comp./M	ax. Ten All forces 250)										
ТОР	CHORD	(lb) or less except w 2-3=-2935/0, 3-4=-2 5-6=-3405/0, 6-7=-2	hen shown. 935/0, 4-5=-2935/0, 917/0_7-8=-2917/0											
вот	CHORD	15-16=0/1793, 14-1	5=0/3405, 13-14=0/340	5,										
WEB	S	2-16=-1968/0, 2-15= 5-15=-795/0, 8-10=- 7-11=-276/23, 6-11=	=0/1262, 3-15=-305/0, 1978/0, 8-11=0/1238, =-818/0	7										
ΝΟΤΙ	ES	,												
1) U tł	Inbalance nis design	ed floor live loads have	e been considered for											
2) A 3) A fl	Il plates a ttach ribb	are MT20 plates unles oon block to truss with	s otherwise indicated. 3-10d nails applied to											
4) R	lefer to gi	rder(s) for truss to tru	ss connections.											

- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means. 6) CAUTION, Do not erect truss backwards.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG01	Floor Girder	4	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1

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- 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-9-0 oc max. starting at 4-11-12 from the left end to 17-8-12 to connect truss(es) FG02 (1 ply 2x4 SP), FG03 (1 ply 2x4 SP) to back face of top chord.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG02	Floor Girder	2	1	Job Reference (optional)

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MSH422

3x6

4x4





736 lb/0 lb

238 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

-

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-07-03 1.00 1.00	CSI TC BC	0.52	DEFL Vert(LL) Vert(CT)	in n/a -0.02	(loc) - 4-5	l/defl n/a >999	L/d 999 360	PLATES MT20	GRIP 244/190
BCDL	0.0 5.0	Code	NO IBC2021/TPI2014	WB Matrix-P	0.09	Horz(CT)	0.00	4	n/a	n/a	Weight: 23 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) Structural wood she 3-8-8 oc purlins, ex Rigid ceiling directly	eathing directly applied of cept end verticals.										
REACTIONS	(size) 4= Mecha Mechanic Max Grav 4=238 (L0	nical, (min. 1-08), 5= al, (min. 1-08) C 1), 5=736 (LC 1)	<u>QR Link: How to</u>	Read Engineer Drav	<u>vings</u>							
FORCES TOP CHORD WEBS NOTES 1) Refer to gi 2) Recomme 10-00-00 (0.131" X at their out 3) Use MiTek nails into 1 to connect top chord. 4) Use MiTek	(Ib) - Max. Comp./M (Ib) or less except w 1-5=-617/0 2-5=-250/0, 2-4=-39 irder(s) for truss to tru nd 2x6 strongbacks, o co and fastened to ea 3") nails. Strongbacks ter ends or restrained (MSH422 (With 10d n fruss) or equivalent at truss(es) F02 (1 ply 2 (MSH422 (With 10d n	ax. Ten All forces 250 hen shown. 8/0 ss connections. on edge, spaced at ch truss with 3-10d s to be attached to wall: by other means. nails into Girder & 6-10d t 0-3-12 from the left en 2x4 SP) to front face of nails into Girder & 6-10d	s 1 d									
nails into 1 to connect top chord. 5) Fill all nail LOAD CASE(Fruss) or equivalent al truss(es) F03 (1 ply 2 holes where hanger i S) Standard	t 1-10-4 from the left en 2x4 SP) to back face of s in contact with lumber	d r.									

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (lb/ft) 1) Vert: 4-5=-8, 1-3=-80

Concentrated Loads (lb) Vert: 1=-498, 6=-172

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG03	Floor Girder	2	1	Job Reference (optional)

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MSH422



704 lb/0 lb

206 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.10	Vert(CT)	-0.02	4-5	>999	360		
BCLI	0.0	Rep Stress Incr	NO	WB	0.08	Horz(CT)	0.00	4	n/a	n/a		
BCDI	5.0	Code	IBC2021/TPI2014	Matrix-P	0.00		0.00	•			Weight: 23 lb	FT = 20%F 11%F
		0000		manx							Wolght. 20 lb	
				SECTION IN THE								
	Ov (CD No. 1/flat)			- 10 (((((((((((((((((((
	2X4 SP NO. I (IIal)		1996	- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19								
MERS	2x4 SF NU. I(IIal)		10000									
VVEDS	214 SF NU.3(IIal)		261.0	50.5426								
BRACING	.		200	2.71 X								
TOP CHORD	Structural wood she	eathing directly applied	or 📥 🕉									
	3-8-8 oc purlins, ex	cept end verticals.		A								
BOT CHORD	Rigid ceiling directly	/ applied or 10-0-0 oc	I 26	EU 424 V								
	bracing.											
REACTIONS	(size) 4= Mecha	anical, (min. 1-08), 5=	<u>QR Link: How to</u>	Read Engineer Draw	vings							
	Mechanic	al, (min. 1-08)										
	Max Grav 4=206 (L0	C 1), 5=704 (LC 1)										
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25	0									
(lb) or less except when shown.												
TOP CHORD	1-5=-604/0											
WEBS	2-4=-325/0											
NOTES												
1) Refer to a	irder(s) for truss to tru	iss connections										
2) Recomme	and 2x6 strongbacks	on edge spaced at										
10-00-00	oc and fastened to ea	ch truss with 3-10d										
(0.131" X	3") nails. Strongback	s to be attached to wall	s									
at their ou	ter ends or restrained	by other means.										
3) Use MiTel	k MSH422 (With 10d r	nails into Girder & 6-10	d									
nails into	Truss) or equivalent at	t 1-10-4 from the left er	nd									
to connec	t truss(es) F04 (1 ply 2	2x4 SP) to front face of										
top chord.												
4) Use MiTel	k MSH422 (With 10d r	nails into Girder & 6-10	d									
nails into	Truss) or equivalent a	t 0-3-12 from the left er	nd									
to connec	t truss(es) F02 (1 ply 2	2x4 SP) to back face of										
top chord.												
Fill all nail	holes where hanger i	s in contact with lumbe	r.									
LOAD CASE(Standard											
1) Dead + F	loor Live (balanced):	Lumber Increase=1.00	,									
Plate Inc	rease=1.00											
Uniform I	Loads (lb/ft)											
Vert: 4	-5=-8, 1-3=-80											

Concentrated Loads (lb) Vert: 1=-498, 6=-108

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG04	Floor Girder	4	1	Job Reference (optional)

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- 5) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-9-8 oc max. starting at 4-7-4 from the left end to 17-4-12 to connect truss(es) FG05 (1 ply 2x4 SP), FG06 (1 ply 2x4 SP) to back face of top chord.
- 6) Fill all nail holes where hanger is in contact with lumber.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG05	Floor Girder	2	1	Job Reference (optional)

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4x4

3x6







727 lb/0 lb

228 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

	(nsf)	Spacing	1_07_03	CSI		DEEL	in	(loc)	l/defl	l /d		GRIP
TCII	(per) 40.0	Plate Grip DOI	1 00	TC	0 49	Vert(LL)	n/a	(100)	n/a	999	MT20	244/190
TCDI	10.0	Lumber DOI	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		2111100
BCLL	0.0	Ren Stress Incr	NO	WB	0.09	Horz(CT)	0.00	. 0	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P	0.00		0.00	•			Weight: 23 lb	FT = 20%F, 11%E
_		-									J	- ,
LUMBER			i i i i i i i i i i i i i i i i i i i	367 A 🗐								
TOP CHORD	2x4 SP No.1(flat)		100 1									
BOT CHORD	2x4 SP No.1(flat)											
WEBS	2x4 SP No.3(flat)		8.000	SA 12 3 4								
BRACING			20102	3-3-3-6								
TOP CHORD	Structural wood she	eathing directly applied	or	1 Kon (2								
	3-8-8 oc purlins, ex	cept end verticals.	1.222	1477-14 1								
BOT CHORD	Rigid ceiling directly	/ applied or 10-0-0 oc	回交通	61 A 28 5								
	bracing.											
REACTIONS	(size) 4= Mecha	anical, (min. 1-08), 5=	<u>QR Link: How to</u>	Read Engineer Drav	wings							
	Mechanic	al, (min. 1-08)										
	Max Grav 4=228 (L0	C 1), 5=727 (LC 1)										
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 25	0									
	(lb) or less except w	hen shown.										
	1-5=-015/0											
NOTES	2-4=-3/4/0											
1) Pofor to di	irdor(a) for truca to tru	an connections										
2) Recomme	and 2x6 strongbacks	on edge snaced at										
10-00-00	nc and fastened to ea	ch truss with 3-10d										
(0.131" X	3") nails. Strongback	s to be attached to wall	s									
at their ou	ter ends or restrained	by other means.										
3) Use MiTel	k MSH422 (With 10d ı	nails into Girder & 6-10	d									
nails into 1	Truss) or equivalent a	t 0-3-12 from the left en	ıd									
to connect	t truss(es) F06 (1 ply 2	2x4 SP) to front face of										
top chord.												
4) Use Mile	K MSH422 (With 10d i	nails into Girder & 6-100										
to connect	truss) or equivalent a	(1-10-4 from the left en	a									
top chord		2X4 OF / 10 DACK TACE OF										
5) Fill all nail	holes where hanger i	s in contact with lumber	r									
	S) Standard											
1) Dead + F	loor Live (balanced)	Lumber Increase=1 00										
Plate Inci	rease=1.00	,,,,,,,,,,,,	1									
Uniform L	Loads (lb/ft)											
Vert: 4	-5=-8, 1-3=-80											

Concentrated Loads (lb) Vert: 1=-499, 6=-151

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG06	Floor Girder	2	1	Job Reference (optional)

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3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Concentrated Loads (lb) Vert: 1=-499, 6=-76

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-07-03 1.00 1.00 NO IBC2021/TPI2014	CSI TC BC WB Matrix-P	0.36 0.10 0.07	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a -0.02 0.00	(loc) - 4-5 4	l/defl n/a >999 n/a	L/d 999 360 n/a	PLATES MT20 Weight: 23 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) Structural wood she 3-8-8 oc purlins, ex Rigid ceiling directly bracing.	athing directly applied cept end verticals. applied or 10-0-0 oc			vingo							
REACTIONS ((size) 4= Mechanic Mechanic Max Grav 4=190 (LC (lb) - Max. Comp./M (lb) or less except w	nical, (min. 1-08), 5= al, (min. 1-08) C 1), 5=690 (LC 1) ax. Ten All forces 250 hen shown.	<u>QR Link: How to</u> 0	Read Engineer Drav	<u>wings</u>							
 WEBS NOTES 1) Refer to gir 2) Recommer 10-00-00 o (0.131" X3 at their out 3) Use MiTek nails into T to connect top chord. 4) Use MiTek nails into T to connect top chord. 5) Fill all nail I LOAD CASE(S 1) Dead + FI Plate Incrn 	2-4=-289/0 2-4=-289/0 rder(s) for truss to tru ad 2x6 strongbacks, of c and fastened to ear ") nails. Strongbacks er ends or restrained MSH422 (With 10d r rruss) or equivalent at truss(es) F08 (1 ply 2 MSH422 (With 10d r rruss) or equivalent at truss(es) F06 (1 ply 2 holes where hanger is 5) Standard loor Live (balanced): I ease=1.00	ss connections. on edge, spaced at ch truss with 3-10d s to be attached to wall by other means. nails into Girder & 6-10d 1-10-4 from the left en 2x4 SP) to front face of nails into Girder & 6-10d 0-3-12 from the left en 2x4 SP) to back face of s in contact with lumber Lumber Increase=1.00,	s d d id r.									

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG07	Floor Girder	2	1	Job Reference (optional)

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6) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-9-8 oc max. starting at 4-11-12 from the left end to 17-9-4 to connect truss(es) FG08 (1 ply 2x4 SP), FG09 (1 ply 2x4 SP) to back face of top chord.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG08	Floor Girder	1	1	Job Reference (optional)

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MSH422

3x6

4x4





738 lb/0 lb

238 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P							Weight: 23 lb	FT = 20%F, 11%E
LUMBER TOP CHORD	2x4 SP No.1(flat)											
BOT CHORD WEBS	2x4 SP No.1(flat) 2x4 SP No.3(flat)											
BRACING				3-34-5								
TOP CHORD	 Structural wood sh 3-8-8 oc purlins, e 	eathing directly applied except end verticals.	or 🚺									
BOT CHORD	 Rigid ceiling direct bracing. 	ly applied or 10-0-0 oc		研究系								
REACTIONS	(size) 4= Mech	anical, (min. 1-08), 5=	<u>QR Link: How to</u>	Read Engineer Drav	<u>wings</u>							
	Max Gray 1=238 (I	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)										
FORCES		A_{DV} Top All forces 25	0									
FURCES	(Ib) - Max. Comp./r	viax. Ten All forces 25	0									
		when shown.										
WERS	2 5- 250/0 2 4- 3	08/0										
NOTES	2-3230/0, 2-43	90/0										
1) Pofor to (nirdar(a) for truca to tr											
$\begin{array}{c} 1 \\ 2 \\ \end{array}$	and 2x6 strongbacks	on odgo, spacod at										
2) Recommin	oc and fastened to e	on euge, spaced at										
(0 131" X	3") nails Strongbac	ks to be attached to wal	ls									
at their or	uter ends or restraine	d by other means										
3) Use MiTe	k MSH422 (With 10d	nails into Girder & 6-10	d									
nails into	Truss) or equivalent	at 0-3-12 from the left er	nd									
to connec	ct truss(es) F06 (1 ply	2x4 SP) to front face of										
top chord	l											
4) Use MiTe	k MSH422 (With 10d	nails into Girder & 6-10	d									
nails into	Truss) or equivalent	at 1-10-4 from the left er	nd									
to connec	ct truss(es) F03 (1 ply	2x4 SP) to back face of	f									
top chord	l											
5) Fill all nai	I holes where hanger	is in contact with lumbe	r.									
LOAD CASE	(S) Standard											
1) Dead +	Floor Live (balanced)	Lumber Increase=1.00	,									

Plate Increase=1.00 Uniform Loads (lb/ft) Vert: 4-5=-8, 1-3=-80

Concentrated Loads (lb) Vert: 1=-499, 6=-172

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG09	Floor Girder	1	1	Job Reference (optional)

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MSH422



706 lb/0 lb

206 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-07-03 1.00 1.00 NO IBC2021/TPI2014	CSI TC BC WB Matrix-P	0.42 0.10 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a -0.02 0.00	(loc) - 4-5 4	l/defl n/a >999 n/a	L/d 999 360 n/a	PLATES MT20 Weight: 23 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) Structural wood she 3-8-8 oc purlins, ex Rigid ceiling directly bracing.	eathing directly applied cept end verticals.	or ■ ■									
REACTIONS FORCES	(size) 4= Mechanic Max Grav 4=206 (LC (lb) - Max. Comp./M (lb) or less except w 1-5=-606/0	Inical, (min. 1-08), 5= al, (min. 1-08) C 1), 5=706 (LC 1) ax. Ten All forces 25 hen shown.	<u>QR Link: How to</u> 0	Read Engineer Draw	<u>rings</u>							
 NOTES 1) Refer to gii 2) Recommentation 10-00-00 condition (0.131" X 3 at their out 3) Use MiTek nails into T to connect top chord. 4) Use MiTek nails into T to connect top chord. 5) Fill all nail LOAD CASE(S 1) Dead + Fill Plate Incr Uniform L Vert: 4- 	rder(s) for truss to tru nd 2x6 strongbacks, o oc and fastened to ear ") nails. Strongbacks er ends or restrained MSH422 (With 10d r rruss) or equivalent at truss(es) F04 (1 ply 2 MSH422 (With 10d r rruss) or equivalent at truss(es) F06 (1 ply 2 holes where hanger is 5) Standard loor Live (balanced): I ease=1.00 .oads (lb/ft) -5=-8, 1-3=-80	ss connections. on edge, spaced at ch truss with 3-10d s to be attached to wall by other means. nails into Girder & 6-10 1-10-4 from the left er 2x4 SP) to front face of nails into Girder & 6-10 0-3-12 from the left er 2x4 SP) to back face of s in contact with lumbe Lumber Increase=1.00	s d id id r.									

Concentrated Loads (lb) Vert: 1=-499, 6=-108

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG10	Floor Girder	2	1	Job Reference (optional)

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6) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent spaced at 12-8-8 oc max. starting at 4-11-12 from the left end to 17-8-4 to connect truss(es) FG11 (1 ply 2x4 SP), FG12 (1 ply 2x4 SP) to back face of top chord.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG11	Floor Girder	1	1	Job Reference (optional)

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MSH422

3x6

4x4





734 lb/0 lb

238 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Concentrated Loads (lb) Vert: 1=-496, 6=-172

		· · · ·									i	
Loading	(psf)	Spacing	1-07-03	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.02	4-5	>999	360		
BCLL	0.0	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-P		(01)					Weight: 23 lb	FT = 20%F. 11%E
			inite/	SECONDER 1								
	2x4 SP No 1(flat)			- 四弦曲								
BOT CHORD	2x4 SF No. 1(flat)		123-5	M18532 -								
WERS	2x4 SP No 3(flat)		(CR)									
	274 OF 100.0(ildt)		6 mil 4	30300								
BRACING	<u> </u>			6 J. A. S.								
TOP CHORD	Structural wood she	eatning directly applied	or 7855									
	3-8-8 oc purlins, ex	cept end verticals.		667.562								
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 oc		60 474 V								
	bracing.		001/10/10/10/10	Deed Frederic Dee								
REACTIONS	(size) 4= Mecha	anical, (min. 1-08), 5=	<u>QR LINK: HOW to</u>	Read Engineer Dra	wings							
	Mechanic	cal, (min. 1-08)										
	Max Grav 4=238 (L	C 1), 5=734 (LC 1)										
FORCES	(lb) - Max. Comp./N	lax. Ten All forces 25	0									
	(lb) or less except w	vhen shown.										
TOP CHORD	1-5=-615/0											
WEBS	2-5=-250/0, 2-4=-39	98/0										
NOTES												
1) Refer to g	irder(s) for truss to tru	iss connections.										
2) Recomme	end 2x6 strongbacks,	on edge, spaced at										
10-00-00	oc and fastened to ea	ch truss with 3-10d										
(0.131" X	3") nails. Strongback	s to be attached to wall	s									
at their ou	ter ends or restrained	l by other means.										
Use MiTel	k MSH422 (With 10d	nails into Girder & 6-10	d									
nails into	Truss) or equivalent a	t 0-3-12 from the left er	nd									
to connec	t truss(es) F10 (1 ply	2x4 SP) to front face of										
top chord.												
4) Use MiTel	k MSH422 (With 10d	nails into Girder & 6-10	d _.									
nails into Truss) or equivalent at 1-10-4 from the left end												
to connect truss(es) FU3 (1 pig 2x4 SP) to back face of												
top chora.	I balaa whara bangari	ia in contact with lumba	-									
5) Fill all hall		is in contact with lumbe	1.									
LUAD CASE(Standard											
1) Dead + F	-loor Live (balanced):	Lumper Increase=1.00	,									
Plate Inc	rease=1.00											
vert: 4	-5=-0, 1-3=-80											

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG12	Floor Girder	1	1	Job Reference (optional)

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MSH422



704 lb/0 lb

208 lb/0 lb 3x6

Plate Offsets (X, Y): [1:Edge,1-08], [3:1-08,Edge]

Loading (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	1-07-03 1.00 1.00 NO IBC2021/TPI2014	CSI TC BC WB Matrix-P	0.42 0.10 0.08	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a -0.02 0.00	(loc) - 4-5 4	l/defl n/a >999 n/a	L/d 999 360 n/a	PLATES MT20 Weight: 23 lb	GRIP 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WEBS 2x4 SP No.3(flat) BRACING TOP CHORD Structural wood she 3-8-8 oc purlins, ex BOT CHORD Rigid ceiling directly bracing.	eathing directly applied of cept end verticals.			inco							
 REACTIONS (size) 4= Mechanic Mechanic Mechanic Mechanic (b) - Max Grav 4=208 (LC) FORCES (lb) - Max. Comp./M (lb) or less except w TOP CHORD 1-5=-603/0 WEBS 2-4=-330/0 NOTES 1) Refer to girder(s) for truss to tru: 2) Recommend 2x6 strongbacks, or 10-00-00 oc and fastened to ear (0.131" X 3") nails. Strongbacks at their outer ends or restrained 3) Use MiTek MSH422 (With 10d r nails into Truss) or equivalent at to connect truss(es) F11 (1 ply 2 top chord. 4) Use MiTek MSH422 (With 10d r nails into Truss) or equivalent at to connect truss(es) F10 (1 ply 2 top chord. 5) Fill all nail holes where hanger is LOAD CASE(S) Standard 1) Dead + Floor Live (balanced): I Plate Increase=1.00 	nical, (min. 1-08), 5= al, (min. 1-08) C 1), 5=704 (LC 1) ax. Ten All forces 250 hen shown. ss connections. on edge, spaced at ch truss with 3-10d s to be attached to walls by other means. hails into Girder & 6-10c 1-10-4 from the left en 2x4 SP) to front face of nails into Girder & 6-10c 0-3-12 from the left en 2x4 SP) to back face of s in contact with lumber Lumber Increase=1.00,	<u>QR LINK: How to</u>)) d d	<u>kead Engineer Draw</u>	<u>ings</u>							

Vert: 4-5=-8, 1-3=-80 Concentrated Loads (lb) Vert: 1=-496, 6=-112

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG13	Floor Girder	4	2	Job Reference (optional)

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Camber = 3/16 in

Plate Offsets (X, Y): [2:2-08,Edge], [5:3-00,Edge], [6:3-00,Edge], [10:4-00,Edge], [11:4-08,Edge], [15:Edge,2-00], [16:3-12,Edge]

Loading	(psf)	Spacing	2-00-00	CSI	-	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.82	Vert(LL)	-0.42	18-19	>610	480	M18AHS	186/179
TCDL	10.0	Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.58	18-19	>442	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.09	15	n/a	n/a	MT18HS	244/190
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-S							Weight: 310 lb	FT = 20%F, 11%E

TOP CHORD	2x4 SP N	o.1(flat)	
BOT CHORD	2x4 SP 24	100F 2.0E(flat) *Except* B3:2x4 SP	
	No.1(flat)		
WEBS	2x4 SP N	o.1(flat)	
BRACING			I
TOP CHORD	Structural	wood sheathing directly applied or	1
	6-0-0 oc r	ourlins except end verticals	
BOT CHORD	Rigid ceili	ng directly applied or 10-0-0 oc	
	bracing	ng directly applied of 10-0-0 00	
	braoing.		
REACTIONS	(size)	15=5-00, (min. 1-08), 23=3-00,	
		(min. 1-08)	
	Max Grav	15=3757 (LC 1), 23=1725 (LC 1)	
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250	
	(lb) or less	s except when shown.	
TOP CHORD	2-3=-6360)/0, 3-4=-6360/0, 4-5=-6360/0,	
	5-6=-9415	5/0. 6-7=-10901/0. 7-8=-10901/0.	
	8-9=-1087	2/0, 9-10=-10901/0,	
	10-11=-13	8096/0, 11-24=-13096/0,	
	12-24=-13	3096/0	
BOT CHORD	22-23=0/3	3558, 21-22=0/9415, 20-21=0/9415,	
	19-20=0/9	415, 18-19=0/9415,	
	17-18=0/1	1942, 16-17=0/11921,	
	15-16=0/9	0085	
WEBS	6-19=-279	9/8, 2-23=-3898/0, 2-22=0/3070,	
	3-22=-236	6/296. 5-22=-3526/0.	
	12-15=-97	79/0, 12-16=0/4317,	
	11-16=-20	077/0, 10-16=-70/1574,	
	10-18=-13	370/56, 7-18=-1118/0, 6-18=0/2498	
NOTES		, , ,	

- 1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
- Unbalanced floor live loads have been considered for 2) this design.
- All plates are MT20 plates unless otherwise indicated. 3)
- The Fabrication Tolerance at joint 21 = 11% 4)
- Recommend 2x6 strongbacks, on edge, spaced at 5) 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

6) Hanger(s) or other connection device(s) shall be

provided sufficient to support concentrated load(s) 3191 Ib down at 17-8-12 on top chord. The design/selection

- of such connection device(s) is the responsibility of others.
- LOAD CASE(S) Standard

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 1) Uniform Loads (lb/ft) Vert: 15-23=-10, 1-14=-100 Concentrated Loads (lb) Vert: 24=-3127





Job	Truss		Truss Type		Qty	Ply	Lucy Quart	er Townhome	5		
B2500281	FG15	5	Floor Girder		4	2	Job Refere	nce (optional)			
Hiwassee Struct	ural Products, Chattanoc	oga, TN 37404, Chase Th	omas	Run: 8.82 S Oct 31	2024 Print:	8.820 S Oct	- 31 2024 MiTek efYTtll ImMzbG	Industries, Inc.	Wed Mar 05 14:02	:17 633roKLlu⊏⊦	Page: 1
										SSOUTOULL	0112024D
	/	<u> </u>		<u></u>	0-07-08 // 2-0	7-08				/	
			0.00	-		7x8		Specia	1 4x4		
		3x6	3x6 F 3x6	۰۲	3x6	3x6 FP			6x14	3x6	
		5x6		5x6		5x6		3x6			
3-08	w w		<u>¥</u>				T3			 ₩7	
	1-04-00 BL	1	R1			N3		N15	B3	BI2	1-04-00
	<u> </u>	×									_
	1644 lb/0	3x6 lb	1.5 4x8	ox3	4x4		3x6	5x8	3570) Ib49k filo	
			M18AHS	3x10 FP							
				1.5x3							
	,	/								/	
		6-0	7-08	1-04-081-00-00-00-0	00	4-03-00		6-	04-08		
Camber = 1/8 in	1										
Plate Offsets (X, Y): [2:2-12,Edge],	[5:3-00,Edge], [6:3-0),Edge], [9:4-00,Edge],	[10:4-08,Edge], [11:	7-00,Edge], [14:Edge	,3-00], [15:3-	00,Edge], [17:	1-08,Edge]		
Loading	(psf)	Spacing	2-00-00	CSI	DE	FL	in (loc)	l/defl L/d	PLATES	GRIP	
TCLL TCDL	40.0 10.0	Plate Grip DOL Lumber DOL	1.00 1.00	TC BC	0.69 Ve 0.97 Ve	rt(LL) -(rt(CT) -(0.3915-170.5415-17	>623 480 >449 360	M18AHS MT20	186/179 244/190	
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	NO IBC2021/TPI2014	WB Matrix-S	0.80 Ho	rz(CT)	0.08 14	n/a n/a	Weight: 299 lb	• FT = 20'	%F. 11%E
			7) Bosommon	1 2x6 stronghoska or		acad at					,
TOP CHORD	2x4 SP No.1(flat)		10-00-00 oc	and fastened to each	h truss with	n 3-10d	.				
BOT CHORD	2x4 SP No.1(flat) *E 2.0E(flat)	Except* B2:2x4 SP 24	at their outer	r ends or restrained b	by other m	eans.	5				
WEBS	2x4 SP No.3(flat) *E (flat)	Except* W6:2x4 SP N	o.1 8) Hanger(s) of provided suf	ficient to support con	icentrated	all be load(s) 305	0				
OTHERS BRACING	2x4 SP No.3(flat)		Ib down at 1 of such conr	16-9-12 on top chord. nection device(s) is the section of the s	. The desine respons	gn/selection bility of	1				
TOP CHORD	Structural wood she	eathing directly applie	d or LOAD CASE(S)	Standard							
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 oc	1) Dead + Flo Plate Increa	or Live (balanced): L ase=1.00	umber Inc	rease=1.00	,				
REACTIONS	(size) 14=5-00,	(min. 1-08), 21=3-00	Uniform Lo Vert: 14-	ads (lb/ft) 21=-10_1-13=-100							
	(min. 1-0) Max Grav 14=3570	8) (LC 1), 21=1644 (LC	1) Vort: 24-	ed Loads (lb)							
FORCES	(lb) - Max. Comp./M	Max. Ten All forces 2	250 vent. 24-	2980							
TOP CHORD	2-3=-6074/0, 3-4=-6	6074/0, 4-5=-6074/0,									
	5-6=-8929/0, 6-7=-8	8935/0, 7-8=-8929/0, -11965/0, 10-24=-119	65/0,								
BOT CHORD	11-24=-11965/0 20-21=0/3452, 19-2	20=0/8929, 18-19=0/8	929,	9.24Q							
	17-18=0/8929, 16-1 15-16=0/11185, 14-	17=0/11197, -15=0/9204	1993								
WEBS	5-18=0/272, 6-17=0 2-20=0/2872, 3-20=)/846, 2-21=-3760/0, =-233/346, 5-20=-337	D/0.	研究系统							
	11-14=-9745/0, 11-	15=0/2977, 5=-167/1119	QR Link: How to	Read Engineer Drawin	igs						
NOTES	9-17=-2924/0	,									
1) Fasten tru	sses together to act a	as a single unit as per	- 111								
standard in to all plies.	noustry detail, or load	as are to be evenly ap	piled								
 Unbalance this design 	ed floor live loads hav	ve been considered fo	r								

- this design.
 All plates are MT20 plates unless otherwise indicated.
 Attach ribbon block to truss with 3-10d nails applied to flat face.
 The Fabrication Tolerance at joint 19 = 11%
 Provide mechanical connection (by others) of truss to bearing plate at joint(s) 21.



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	FG17	Floor Girder	4	2	Job Reference (optional)

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ID:yZCP6NZ5EQ2soUM8Yawt60zhG1p-mAHkorzqIjAQrunCMa1iDIfCdFA7DKtkXajq4kzdz4A



Camber = 3/16 in

Plate Offsets (X, Y): [2:2-12,Edge], [5:3-00,Edge], [6:3-00,Edge], [9:4-00,Edge], [11:4-08,Edge], [12:6-00,Edge], [15:Edge,3-00], [16:2-12,Edge]

Loading TCLL TCDL BCLL BCDL	(psf) 40.0 10.0 0.0 5.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.00 1.00 NO IBC2021/TPI2014	CSI TC BC WB Matrix-S	0.83 0.87 0.84	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.42 -0.57 0.08	(loc) 18-19 18-19 15	l/defl >614 >445 n/a	L/d 480 360 n/a	PLATES M18AHS MT20 Weight: 314 lb	GRIP 186/179 244/190 FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD BOT CHORD	2x4 SP No.1(flat) 2x4 SP 2400F 2.0E(No.1(flat) 2x4 SP No.3(flat) *E (flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat) Structural wood she 6-0-0 oc purlins, ex Rigid ceiling directly	flat) *Except* B3:2x4 S xcept* W7:2x4 SP No.1 athing directly applied of cept end verticals. applied or 10-0-0 oc	 6) Recommend 10-00-00 oc P (0.131" X 3") at their outer T Hanger(s) or provided suff Ib down at 1 such connect or LOAD CASE(S) 1) Dead + Floor Plate Increa Uniform Loa 	2x6 strongbacks, and fastened to ex- nails. Strongback ends or restrainer other connection ficient to support of 7-9-4 on top chorr tion device(s) is the Standard or Live (balanced) ase=1.00 ads (lb/ft)	on edge ach truss ks to be d by othe device(s concentra d. The d ne respon : Lumber	e, spaced at s with 3-10d attached to v er means.) shall be ated load(s) 3 esign/selecti nsibility of oth	valls 3198 on of ners. .00,					
REACTIONS	(size) 15=5-00, ((min. 1-08)	(min. 1-08), 23=3-00,	Vert: 15-2 Concentrate Vert: 26=	Vert: 15-23=-10, 1-14=-100 Concentrated Loads (lb) Vert: 26=-3134								
FORCES	(lb) - Max Comp /Max	LC 1), 23=1698 (LC 1) ax Ten - All forces 250) — — —									
	(lb) or less except w	hen shown.		御盗具								
TOP CHORD	2-3=-6326/0, 3-4=-63 5-6=-9221/0, 6-7=-10 8-9=-10732/0, 9-10= 10-11=-12734/0, 11- 12-26=-12734/0	326/0, 4-5=-6326/0, 0732/0, 7-8=-10725/0, -12734/0, -26=-12734/0,										
BOT CHORD	22-23=0/3582, 21-22 19-20=0/9221, 18-19 17-18=0/11714, 16-1 15-16=0/9684	2=0/9221, 20-21=0/922 9=0/9237, 17=0/11694,	1, DR Link: How to	Read Engineer Dray	winas							
WEBS	5-20=0/254, 6-19=-3 2-22=0/3006, 3-22=- 12-15=-10252/0, 12- 11-16=-1876/0, 9-16 9-18=-1315/92, 7-18	03/8, 2-23=-3902/0, -227/304, 5-22=-3382/0 -16=0/3289, =-123/1427, =-1379/0, 6-18=0/2668	<u>en Einn. How to</u>		<u></u>							
NOTES												
 Fasten trus standard in 	sses together to act as idustry detail, or loads	s a single unit as per s are to be evenly applie	ed									

- to all plies.
- Unbalanced floor live loads have been considered for 2) this design.
- 3) All plates are MT20 plates unless otherwise indicated. Attach ribbon block to truss with 3-10d nails applied to
- 4) flat face.
- 5) The Fabrication Tolerance at joint 21 = 11%



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW01	Floor Supported Gable	8	1	Job Reference (optional)

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24 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:tE8EHx5WI_kKdajSfHwhbqzhGs3-b37aV5rwuKn_0CR5DmK7HziV7pd?8Yp7?MZkBtzdz4L



Plate Offsets (X, Y): [19:Edge,1-08], [35:Edge,1-08]

Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-00-00 1.00	CSI TC	0.08	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-R							Weight: 94 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)											
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	eathing directly applied ccept end verticals.	or									
BOT CHORD	OT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS / (lb) - I	All bearings 21-06-08 Max Grav All reactio (s) 19, 20 27, 28, 29	3. ons 250 (lb) or less at j , 21, 22, 23, 24, 25, 26 9, 30, 31, 32, 33, 34, 39	oint 5, 5									
FORCES	(lb) - Max. Comp./M (lb) or less except w	lax. Ten All forces 25 /hen shown.	50									
NOTES												
1) All plates a	re 1.5x3 () MT20 u	nless otherwise										
indicated.		0.401 7 1 1										
 Attach ribbi flat face 	on diock to truss with	1 3-100 nails applied to	1									
 Gable requi 	ires continuous botto	om chord bearing										
 Truss to be 	e fully sheathed from	one face or securely										
braced aga	ainst lateral movemer	nt (i.e. diagonal web).										
Gable studs spaced at 1-4-0 oc.												
6) Recommer	Recommend 2x6 strongbacks, on edge, spaced at											
10-00-00 o	c and fastened to ea	ch truss with 3-10d										
(0.131" X 3	") nails. Strongback	s to be attached to wal	IS									
	Ci cilus oi resualheu	by other means.										
LOAD CASE(S	j Stanualu											



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW02	Floor Supported Gable	8	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

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Plate Offsets (X, Y): [19:Edge,1-08], [35:Edge,1-08]

				_								
Loading TCLL	(psf) 40.0	Spacing Plate Grip DOL	2-00-00 1.00	CSI TC	0.06	DEFL Vert(LL)	in n/a	(loc) -	l/defl n/a	L/d 999	PLATES MT20	GRIP 244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	n/a	-	n/a	n/a		
BCDL	5.0	Code	IBC2021/TPI2014	Matrix-R							Weight: 91 lb	FT = 20%F, 11%E
TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)											
BRACING												
TOP CHORD	Structural wood she 6-0-0 oc purlins, ex	eathing directly applied cept end verticals.	or									
BOT CHORD	Rigid ceiling directly bracing.	y applied or 10-0-0 oc										
REACTIONS	All bearings 20-07-08	3.										
(lb) -	Max Grav All reaction (s) 19, 20 27, 28, 29	ons 250 (lb) or less at jo 0, 21, 22, 23, 24, 25, 26 9, 30, 31, 32, 33, 34, 35	pint 5									
FORCES	(lb) - Max. Comp./M (lb) or less except w	lax. Ten All forces 25 /hen shown.	0									
NOTES	., .											
1) All plates a	are 1.5x3 () MT20 u	nless otherwise										
Indicated.	on block to truce with	2 10d naile applied to										
flat face		1 3- Tou fialis applieu to										
 Gable regi 	ires continuous botto	om chord bearing										
 Truss to be 	e fully sheathed from	one face or securely										
braced aga	ainst lateral movemer	nt (i.e. diagonal web).										
5) Gable stud	i) Gable studs spaced at 1-4-0 oc.											
i) Recommend 2x6 strongbacks, on edge, spaced at												
10-00-00 c	oc and fastened to ea	ch truss with 3-10d										
(0.131" X 3	3") nails. Strongback	s to be attached to wal	S									
at their out	ter ends or restrained	by other means.										
LUAD CASE(S	5) Standard											



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW03	Floor Supported Gable	8	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

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Plate Offsets (X, Y): [19:Edge,1-08], [35:Edge,1-08]

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	2-00-00 1.00 1.00	CSI TC BC	0.09 0.01	DEFL Vert(LL) Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IBC2021/TPI2014	WB Matrix-R	0.03	Horiz(TL)	n/a	-	n/a	n/a	Weight: 94 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS	2x4 SP No.1(flat) 2x4 SP No.1(flat) 2x4 SP No.3(flat) 2x4 SP No.3(flat)											
TOP CHORD	XACING DP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. DT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.											
REACTIONS / (lb) -	All bearings 21-07-00 Max Grav All reactio (s) 19, 20 27, 28, 29). ons 250 (lb) or less at j), 21, 22, 23, 24, 25, 20 9, 30, 31, 32, 33, 34, 3	joint 6, 15									
FORCES	(lb) - Max. Comp./M (lb) or less except w	lax. Ten All forces 2 /hen shown.	50									
NOTES 1) All plates a indicated. 2) Attach ribb flat face. 3) Gable requ 4) Truss to be braced aga 5) Gable stud 6) Recommer 10-00-00 o (0.131" X 3 at their out LOAD CASE(S	re 1.5x3 () MT20 u on block to truss with tires continuous botto e fully sheathed from ainst lateral movemer s spaced at 1-4-0 oc nd 2x6 strongbacks, (c and fastened to ea er ends or restrained b) Standard	nless otherwise n 3-10d nails applied to om chord bearing. one face or securely nt (i.e. diagonal web). on edge, spaced at ch truss with 3-10d s to be attached to wa by other means.	D									



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	KW04	Floor Supported Gable	6	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

1 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:cNsV4YvnqQ3Vg?PrEdJIMWzhFvd-I_kMbWyBXP2ZDkC0psWTh46DNr1LU4bblw_GYIzdz4B



Plate Offsets (X, Y): [1:Edge,1-08], [12:1-08,Edge], [23:Edge,1-08]

Loading TCLL TCDL	(psf) 40.0 10.0	Spacing Plate Grip DOL Lumber DOL	1-07-03 1.00 1.00	CSI TC BC	0.03 0.01	DEFL Vert(LL) Vert(TL)	in n/a n/a	(loc) - -	l/defl n/a n/a	L/d 999 999	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 5.0	Rep Stress Incr Code	YES IBC2021/TPI2014	WB Matrix-R	0.01	Horiz(TL)	n/a	-	n/a	n/a	Weight: 99 lb	FT = 20%F, 11%E
LUMBER TOP CHORD BOT CHORD WEBS OTHERS BRACING TOP CHORD	2x6 SP No.1(flat) 2x6 SP No.1(flat) 2x6 SP No.1(flat) 2x6 SP No.1(flat) 2x6 SP No.1(flat) Structural wood she 6-0-0 oc purlins, ex	eathing directly applied	or									
BOT CHORD	Rigid ceiling directly bracing.	/ applied or 10-0-0 oc										
REACTIONS / (lb) -	All bearings 13-08-08 Max Grav All reactio (s) 13, 14 21, 22, 23	3. ons 250 (lb) or less at jo , 15, 16, 17, 18, 19, 20 3	pint),									
FORCES	(lb) - Max. Comp./M (lb) or less except w	ax. Ten All forces 25 /hen shown.	50									
NOTES 1) All plates a indicated. 2) Gable requ 3) Truss to be braced aga 4) Gable stud 5) Recommer 10-00-00 o (0.131" X 3 at their out LOAD CASE(S	re 1.5x3 () MT20 un tires continuous botto e fully sheathed from hinst lateral movemer s spaced at 1-4-0 oc nd 2x6 strongbacks, of c and fastened to eau (") nails. Strongbacks er ends or restrained b) Standard	nless otherwise one face or securely one face or securely it (i.e. diagonal web). on edge, spaced at ch truss with 3-10d s to be attached to wal by other means.	ls									


Job		Truss		Truss Ty	/pe		Qty	Ply	Lu	cy Quarter	Town	homes	3	
B2500281		R01		Flat			1	1	Jo	b Referenc	e (opti	ional)		
Hiwassee Structu	ral Products, C	Chattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024 F	Print: 8.820 S (Oct 31 2	024 MiTek In	dustries	s, Inc. V	Wed Mar 05 14:02:1	7 Page: 1
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	/		<u> </u>	/	5.04	21-08-0	0	5.04.0		/			5.05.44	
			5-05-14		5-04-	02		5-04-0	2				5-05-14	
	M18AH	S 8x10		5x6		7x12				M18	BAHS 10	0x12		M18AHS 5x8
X						¥								
8					1					140				
-00-			N2	/vs	W2	V3		W2				W	2-44	
7				B1							B2			
	Ŕ					A								Ŕ
277	M18AHS 9 lb/-59 lb	5x8	M18	AHS 8x10)	MT18HS 12	x16			5x6			2779	M18AHS 5x12 b/-59 lb
Camber = 3/16 i	n /													
			5-05-14		5-04-	02		5-04-0	2				5-05-14	
Plate Offsets (λ	K, Y): [1:3-04	l,3-08], [3:6-00,4-08], [4:3-08,5	-00], [5:I	Edge,3-08], [9:	:3-08,Edge], [10:3-04	4,2-12]						
Loading		(psf)	Spacing		2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pg)	11 0	100.0	Plate Grip DOL		1.15	TC BC	0.90	Vert(LL)	-0.56	8 2	>456 >351	240 180	M18AHS	186/179 244/190
TCDL	11.0	20.0	Rep Stress Incr		YES	WB	0.76	Horz(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCLL BCDL		0.0 10.0	Code	IBC20)21/TPI2014	Matrix-MS							Weight: 140 lb	FT = 20%
						7.40: \{	(2				-		Ū	
TOP CHORD	2x6 SP No.	1		2)	Vasd=91mph	7-16; Vuit=115mpn ; TCDL=6.0psf; BCI	(3-sec)L=6.0	ona gust))psf; h=25ft;						
BOT CHORD	2x6 SP 240	0F 2.0E	*Excont* \1/1.2v/ SD		B=25ft; L=25 MWFRS (dire	ft; eave=4ft; Cat. II; I actional) and C-C Co	Exp B; orner ()	Enclosed; 3) zone:						
WEBS	No.1, W3:22	0F 2.0E x4 SP N	0.3		cantilever left	t and right exposed ;	end v	ertical left ar	nd					
BRACING	Structural w	und she	athing directly applied	or	reactions sho	own; Lumber DOL=1	.60 pla	ate grip DOL	<5 for =1.60					
	1-7-8 oc pu	rlins, ex	cept end verticals.	3)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lum DOL	=1.15					
BOT CHORD	Rigid ceiling bracing.	g directly	applied or 10-0-0 oc	- /	Plate DOL=1	.15); Pg=10.0 psf; P	, f=11.9	psf (Lum D	OL =					
WEBS	1 Row at m	idpt	4-6		Ce=0.9; Cs=	1.00; Ct=1.10, Lu=50	0-0-0;	Min. flat roof	∟хр.,					
	required cr	oss brac	s that Stabilizers and sing be installed during		snow load go exposed surf	overns. Rain surcha	rge ap s than	0.500/12 in						
	truss erect	ion, in ao auide.	ccordance with Stabiliz	er (1)	accordance v	with IBC 1608.3.4.	went	vater nondin	a					
REACTIONS ((size) 6	=5-08. (1	min. 2-05). 11=5-08. (r		All plates are	MT20 plates unless	other	wise indicate	ed.					
	2 Max Horiz 1	-05)	C 0)	6)	bearing plate	capable of withstan	oy othe ding 5	ers) of truss 9 lb uplift at	to joint					
ľ	Max Uplift 6	=-59 (LC	C 13), 11=-59 (LC 13)	10	11 and 59 lb	uplift at joint 6. Standard								
FORCES	Max Grav 6	=2779 (l `omn /M	_C 2), 11=2779 (LC 2)	50 EO		Otandard								
	(lb) or less e	except w	when shown.			输出回								
I OP CHORD	1-11=-2627 2-12=-9559	/281, 1-2 /908, 3-1	2=-7219/694, 12=-9559/908,		/2 455									
	3-13=-7222	/696, 4-	13=-7222/696,		綿談	6336								
BOT CHORD	4-5=-319/53, 5-6=-623/90 CHORD 10-11=-83/325, 9-10=-724/7219,				1100									
	CHORD 10-11=-83/325, 9-10=-724/7219, 8-9=-724/7219, 7-8=-936/9559, 6.7=-706/7222													
WEBS	4-6=-7189/6	687, 2-10)=-2002/275,		LIX9									
	3-8=-554/12	25, 3-7=-	-240/2437, 2433/240, 4-7=0/677	<u>Q</u>	R Link: How to I	Read Engineer Drawin	<u>gs</u>							
NOTES	d voof live !		been eensidered for	h.:										

Job		Truss		Truss T	уре		Qty	F	Ply	Lucy Quart	er Towr	homes	3	
B2500281		R02		Flat			1	1	l	Job Refere	nce (op	tional)		
Hiwassee Structu	ural Products, C	Chattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct	31 2024	Print: 8.8	20 S Oct	31 2024 MiTek		es, Inc. V	Wed Mar 05 14:02:1	7 Page: 1
							U.	UQ/GHr	ЮПРубп	IACezocjujzgi	JUI-AUK	5530ZD	PPP9ijw rangil40	I
	<u>}</u>		5-05-14		5-04	21-08	3-00	5-	-04-02		/		5-05-14	
	I				0-0-			0-	2.02					I
	M18AH	S 8x10		5x6		7x	12			Μ	18AHS 1	0x12		M18AHS 5x8
\mathbf{r}	F	1		1	Г1	Ā				Г	П	1		
-10	W1		W2	W3	W2	W3				W	3	W	2 🛛	 ₩1
2-0(
\downarrow				B1		A					J B2			
-	لحما M18AHS	5x8	M18	AHS 8x1	0	MT18HS	12x16			5>	6			 М18АНS 5x12
277	'9 lb/-59 lb												2779	b/-59 lb
Camber = 3/16 i	n /		5-05-14	/	5-04	-02		5-	-04-02	,	/		5-05-14	/
Plate Offsets ()	X, Y): [1:3-04	I,3-12], [3:6-00,4-08], [4:3-08,5	-00], [5:	Edge,3-08], [9:3-08,Edge], [10:3-	-04,3-04	l]						
Loading		(psf)	Spacing		2-00-00	CSI		DEFI		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		100.0	Plate Grip DOL		1.15	TC	0.87	Vert(L	L) -0).54 8	>478	240	M18AHS	186/179
Snow (Pf/Pg) TCDL	11.9	#10.0 20.0	Lumber DOL Rep Stress Incr		1.15 YES	MB BC	0.66 0.75	Vert(C Horz(C	-0 (TC) CT) (TC	0.70 8 0.09 6	>367 n/a	180 n/a	MT20 MT18HS	244/190 244/190
BCLL BCDL		0.0 10.0	Code	IBC2	021/TPI2014	Matrix-MS							Weight: 140 lb	FT = 20%
			I	0		7.40.36.11.445	F (0	I	-4)					2/0
LUMBER TOP CHORD	2x6 SP No.	1		2)	Vasd=91mp	= 7-16; Vuit=115mp bh; TCDL=6.0psf; B	n (3-sec CDL=6.	cona gu: 0psf; h=	st) 25ft;					
BOT CHORD WEBS	2x6 SP 240 2x4 SP 240	0F 2.0E	*Except* W1:2x4 SP		B=25ft; L=2 MWFRS (di	5tt; eave=4ft; Cat. I rectional) and C-C (I; Exp B Corner (; Enclos (3) zone	sed; ;					
	No.1, W3:2	x4 SP N	0.3		cantilever le	eft and right exposed ad C-C for members	d ; end v	vertical l	eft and	for				
BRACING TOP CHORD	Structural w	/ood she	eathing directly applied	or	reactions sh	nown; Lumber DOL:	=1.60 pl	ate grip	DOL=1.	60				
BOT CHORD	1-9-2 oc pu Rigid ceiling	rlins, ex directlv	ccept end verticals. / applied or 10-0-0 oc	3)	TCLL: ASC	E 7-16; Pr=100.0 ps	sf (roof L	L: Lum	DOL=1.	15				
WEBS	bracing.	idat	4-6		Plate DOL= 1.15 Plate E	1.15); Pg=10.0 psf;)OL = 1.15); ls=1.0;	, 11.9 Pī Rough; Rough	e pst (Lu Cat B; I	im DOL Fully Exp	= D.;				
**200	MiTek reco	mmend	s that Stabilizers and		Ce=0.9; Cs snow load c	=1.00; Ct=1.10, Lu= joverns. Rain surch	=50-0-0; narge ar	Min. fla oplied to	t roof all					
	required cr truss erecti	oss brad ion. in ad	cing be installed during ccordance with Stabilized	l zer	exposed su	rfaces with slopes le	ess than	0.500/	12 in					
	Installation	guide.		4)	Provide ade	equate drainage to p	prevent	water po	onding.					
REACTIONS	(size) 6	=5-08, (i -05)	min. 2-05), 11=5-08, (r	^{nin.} 5)	All plates ar Provide me	e MI20 plates unle chanical connection	ss othei 1 (by oth	wise ind ers) of t	russ to					
I	Max Horiz 1	1=-40 (L	.C 9)		bearing plat 11 and 59 lt	e capable of withsta o uplift at joint 6.	anding 5	59 lb upl	ift at join	t				
1	Max Uplift 6 Max Grav 6	=-59 (LC =2779 (l	5 13), 11=-59 (LC 13) LC 2), 11=2779 (LC 2)	LC	AD CASE(S)	Standard								
FORCES	(lb) - Max. (Comp./M	ax. Ten All forces 2	50		3820 <i>1</i> /10								
TOP CHORD	1-11=-2631	/282, 1-2	2=-7055/679,		44									
	2-12=-9334 3-13=-7058	/886, 3-′ /681, 4-′	12=-9334/886, 13=-7058/681,		638									
BOT CHORD	4-5=-299/52	2, 5-6=-6	318/90)=-709/7055											
	8-9=-709/70)55, 7-8:	=-915/9334,		L COL									
WEBS	o-7=-691/70 4-6=-7053/6	າວ8 674, 2-10	0=-2006/275,		$\Box \Sigma$									
	1-10=-674/7 3-8=-554/12	7043, 2-8 25, 3-7=-	8=-234/2378, -2375/234, 4-7=0/681	<u>Q</u>	R Link: How to	Read Engineer Draw	<u>vings</u>							
NOTES		,	,											

Job		Truss		Truss Ty	/pe		Qty	1	Ply	Lucy Qu	uarter	Town	homes	3	
B2500281		R03		Flat			1	· ·	1	Job Ref	erenc	ce (opt	tional)		
Hiwassee Structur	ral Products, C	hattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024 P	rint: 8.8	320 S Oct	31 2024 M	iTek Ir	ndustrie	s, Inc. \	Wed Mar 05 14:02:1	7 Page: 1
								ID:5LK	2NIWIXUC	'nljz∠eHn	glqzgg	jct-AUF	RSs302t	oPPP9ljWYdnQfL4p	9bS1x0ygJPK4bYzdz4O
	<u> </u>		F 0F 41			21-08-0	0		04.07					E 05 11	
			5-05-14		5-04-	02		5	-04-02					5-05-14	
	M18AH	S 8x10		5x6		7x12					M18	AHS 8	x10		M18AHS 5x8
,		0 0/110				\forall									
					1								1		
01-0	W1		W2	W3	W2	W3		W2			W3		W	2 🛛	V V1
5-1				B1								B2			
X															
277	M18AHS	5x8	M18	AHS 8x1	0						5x6			2770	M18AHS 5x12
211	9 10/-59 10					M18AHS 5x12								27791	JI-39 ID
						5x6									
Camber = 1/8 in	<i></i>		5-05-14	-/	5-04-	02		5	-04-02		/			5-05-14	———
Plate Offsets (X	(, Y): [1:Edg	e,3-12],	[3:6-00,4-08], [4:3-08,2	2-12], [5	:Edge,3-08], [9	9:5-04,2-08], [10:3-04	1,3-12]								
Loading		(ncf)	Spacing		2 00 00			DEEL		in (k	<u> </u>	l/dofl	L/d		GPIP
TCLL (roof)		(psi) 100.0	Plate Grip DOL		2-00-00	TC	0.83	Vert(L	- _L) -().51	8	>501	240	M18AHS	186/179
Snow (Pf/Pg) TCDI	11.9	/10.0 20.0	Lumber DOL Rep Stress Incr		1.15 YES	BC WB	0.64	Vert(C	CT) -(CT) ().67) 09	8 : 6	>385 n/a	180 n/a	MT20	244/190
BCLL		0.0	Code	IBC20)21/TPI2014	Matrix-MS			0.)		•				FT 0000
BCDL		10.0												Weight: 141 lb	FT = 20%
				2)	Wind: ASCE	7-16; Vult=115mph	(3-seco	ond gu	ıst) −25 ft :						
BOT CHORD	2x6 SP No. 2x6 SP 240	0F 2.0E			B=25ft; L=25	ft; eave=4ft; Cat. II; I	Exp B;	Enclo	sed;						
WEBS	2x4 SP 240 No.1. W3:2x	0F 2.0E ‹4 SP No	*Except* W1:2x4 SP p.3		MWFRS (dire cantilever lef	ectional) and C-C Co t and right exposed ;	end ve	8) zone ertical	∋; left and						
BRACING	, -				right exposed reactions sho	d;C-C for members a own: Lumber DOL=1	nd ford .60 pla	ces & l te arip	MWFRS	for 60					
TOP CHORD	Structural w 1-10-8 oc p	vood she urlins, e	eathing directly applied except end verticals.	or		7 16: Dr=100.0 mof	(reef			15					
BOT CHORD	Rigid ceiling	g directly	applied or 10-0-0 oc	3)	Plate DOL=1	.15); Pg=10.0 psf; P	f=11.9	psf (L		=					
WEBS	1 Row at m	idpt	4-6		1.15 Plate D Ce=0.9; Cs=	JL = 1.15); Is=1.0; R 1.00; Ct=1.10, Lu=50	ough ()-0-0; N	Jat B; ∕Iin. fla	Fully Exp at roof	o.;					
	MiTek reco required cr	mmends oss brac	s that Stabilizers and ing be installed during		snow load go exposed surf	overns. Rain surchar	ge app s than	olied to 0,500/	o all /12 in						
	truss erecti	on, in ac quide	ccordance with Stabiliz	er	accordance v	with IBC 1608.3.4.	wont	ater n	onding						
REACTIONS (size) 6:	=5-08 (r	min 2-05) 11=5-08 (r	4)	All plates are	MT20 plates unless	otherv	vise in	dicated.						
	2. 10x Horiz 1	-05)	C 0)	6)	Provide mecl bearing plate	nanical connection (b capable of withstan	by othe ding 59	ers) of Ib up	truss to lift at join	ıt					
N	Max Horiz 1	41 (L =-59 (LC	5 13), 11=-59 (LC 13)	10	11 and 59 lb	uplift at joint 6. Standard	-	·	-						
	/lax Grav 6:	=2779 (L Comp /M	C 2), 11=2779 (LC 2)	50 LO	AD UASE(S)	otanuaru									
	(lb) or less e	except w	hen shown.			14 6 1									
I OP CHORD	1-11=-2636/ 2-12=-9112/	/282, 1-2 /866, 3-1	2=-6893/664, 2=-9112/866,		12.5										
	3-13=-6896/	/666, 4-1	3=-6896/666, 14/89		新 義	6336									
BOT CHORD	10-11=-82/2	86, 9-10)=-695/6893,		S. 12	168 C									
	6-7=-676/68	993, 7-8= 196	090/9112,			的多级									
WEBS	4-6=-6918/6	62, 2-10 909, 2-8)=-2010/276, 3=-229/2320,	~		Read Engineer Drowin	ae								
NOTES	3-8=-554/12	25, 3-7=-	2317/229, 4-7=0/686	<u>Q</u>	LINK: HOW TO	neau Engineer Drawin	<u>45</u>								
NUIES	l roof live !	da harr-	been eensidered ford	hia											

Job	Truss		Truss Type		Qty	Ply	Lucy Quarte	r Townhome	s	
B2500281	R04		Flat		1	1	Job Referen	ce (optional)		
Hiwassee Structura	l Products, Chattanoo	oga, TN 37404, Chase Tho	mas	Run: 8.82 S Oct 31	2024 Print:	8.820 S Oct	31 2024 MiTek	Industries, Inc.	Wed Mar 05 14:02:	17 Page
	I				10.14113	GquOFT EV.	559119931191299		rrrəjwirdingi z 4p	
	/	5-05-14		21-08-0 -02	0	5-04-02	/		5-05-14	
	I	0-00-14	0.04	02		0-04-02			0-00-14	I
	M18AHS 8x10		5x6	7x8			M1	8AHS 8x10		M18AHS 5x8
\mathbf{r}			T1	¥_				T1		
10	W1	1679-	W3 W7	W3		70-	we			
2-01-	Π –	W2	WZ			V2				
			B1					B2		
× ×	\bigotimes			A						\bigotimes
2779	M18AHS 5x8 lb/-59 lb	M18	BAHS 8x10				5x6	i	2779	M18AHS 5x12 lb/-59 lb
				M18AHS 5x12						
				5x6						
Camber = 1/8 in	/									
		5-05-14	5-04	-02		5-04-02			5-05-14	
Plate Offsets (X,	Y): [1:Edge,3-12],	[3:3-04,4-08], [4:3-04,	3-12], [5:Edge,3-08], [9:5-04,2-08], [10:3-04	1,3-12]					
oading	(psf)	Spacing	2-00-00	CSI	DEI	FL	in (loc)	l/defl L/d	PLATES	GRIP
CLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.81 Ver	t(LL) -().49 8	>525 240	M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB	0.02 Ver 0.72 Hor	rz(CT) ().04 8).09 6	n/a n/a	101120	244/190
BCLL BCDI	0.0 10.0	Code	IBC2021/TPI2014	Matrix-MS					Weight: 141 lb	FT = 20%
DODE	10.0								Weight. 141 lb	
LUMBER	Px6 SP No 1		 Wind: ASCE Vasd=91mpl 	7-16; Vult=115mph (n: TCDL=6.0psf: BCE	3-second L=6.0psf:	gust) h=25ft:				
BOT CHORD 2	2x6 SP 2400F 2.0E		B=25ft; L=25	ift; eave=4ft; Cat. II; E	Exp B; Enc	losed;				
WEBS 2 N	2x4 SP 2400F 2.0E No.1, W3:2x4 SP N	e *Except* W1:2x4 SP	cantilever let	t and right exposed ;	end vertic	al left and				
BRACING	, 		right expose reactions sh	d;C-C for members a own: Lumber DOL=1	nd forces a .60 plate a	& MWFRS rip DOL=1	for 60			
TOP CHORD 5	Structural wood she I-11-10 oc purlins,	eathing directly applied except end verticals.	lor	7 16: D= 100 0 pof	reef . .		45			
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 oc	Plate DOL=1	l.15); Pg=10.0 psf; Pf	=11.9 psf	(Lum DOL	=			
WEBS 1	Row at midpt	4-6	1.15 Plate D Ce=0.9: Cs=	OL = 1.15);	ough Cat I)-0-0: Min.	B; Fully Ex flat roof	o.;			
	MiTek recommend	s that Stabilizers and cing be installed during	snow load go	overns. Rain surchar	ge applied	l to all				
	truss erection, in a	ccordance with Stabiliz	zer accordance	with IBC 1608.3.4.	s man 0.50	0/12 11				
L	Installation guide.		4) Provide adec 5) All plates are	quate drainage to pre MT20 plates unless	vent water otherwise	ponding.				
REACTIONS (si	ize) 6=5-08, (i 2-05)	min. 2-05), 11=5-08, (r	nin. 6) Provide mec	hanical connection (oy others) o	of truss to				
Ma	ax Horiz 11=-43 (L	_C 9)	11 and 59 lb	uplift at joint 6.	ung 59 ib i	upiint at joir	IL			
Ma	ax Grav 6=2779 (I	LC 2), 11=2779 (LC 2)	LOAD CASE(S)	Standard						
FORCES (lb) - Max. Comp./M	lax. Ten All forces 25		947/2/III						
	-11=-2640/283, 1-2	2=-6738/650,	44.5							
23	2-12=-8900/846, 3-1 3-13=-6741/651, 4-1	1∠=-8900/846, 13=-6741/651,	100							
	-5=-263/49, 5-6=-6	610/89 0=-682/6738	20100							
8	8-9=-682/6738, 7-8=	=-876/8900,	1998							
6 NEBS 4	6-7=-662/6741 -6=-6788/650, 2-10	0=-2014/276.		80 W.W.						
1	-10=-650/6779, 2-8	8=-224/2266,	QR Link: How to	Read Engineer Drawin	<u>gs</u>					
NOTES	-0004/120, 0-7=-	-2203/224, 4-1=0/089								
	reaf live leads have	a been considered for	u. : .							

Job		Truss		Truss T	уре		Qty	P	ly	Lucy Qu	arter Tov	nhome	S	
B2500281		R05		Flat			1	1		Job Refe	erence (c	ptional)		
Hiwassee Structu	ural Products, C	hattanooo	ga, TN 37404, Chase Th	omas		Run: 8.82 S Oct 31	2024 P	rint: 8.82	20 S Oct 3	31 2024 Mi	Fek Indust	ries, Inc.	Wed Mar 05 14:02:1	17 Page: 1
	i.						ID:1	I?NENFI	kf2Jc4Fev	vCFmd7Zq	zggca-AU	KSS302b	PPP9IjWYdnQtL4pr	nbM_xURgJPK4bYzdz4O
	,		5 05 14	_/	5.04	21-08-0	0	5 (04.02				5 05 14	
	ļ		5-05-14		5-04-	02		5-0	04-02				5-05-14	
	M18AH	S 8x10		5x6		7x8					M18AHS	8x10		M18AHS 5x8
\mathbf{r}		-			τ1	Ă						Г1		
03	WH		line.	W2	1000			1000					~ 🕅	
-02-			W2		V2							VV.		
				B1							B2			
``	Ř					A								×
27	M18AHS 79 lb/-59 lb	5x8	M18	BAHS 10x	12						5x6		2779 lb	/18AHS 5x12 ೫-59 lb
						M18AHS 5x12								
						5x6								
Camber = 1/8 in	/		5-05-14	_/	5-04-	02		5-(04-02		/		5-05-14	/
	X XX 14.0.04	4 001 1	0.0011	2 401 15	Edua 2 001 (0)	<u></u>	5 001		01.02				0 00 11	
	X, Y): [1:3-04	,4-00], [3	3:3-04,4-08], [4:3-04,:	3-12], [5:	Edge, 3-08], [9:	5-04,2-08], [10:3-08	,5-00]					-	i	-
Loading	1	(psf) 00.0	Spacing Plate Grip DOI		2-00-00 1 15	CSI TC	0 79	DEFL Vert(L) -0	in (loo 48 8-1	c) l/det 0 >539	l L/d	PLATES M18AHS	GRIP 186/179
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL		1.15	BC	0.99	Vert(C	T) -0	.62	8 >41	5 180	MT20	244/190
BCLL		20.0 0.0	Rep Stress Incr Code	IBC2	YES 021/TPI2014	WB Matrix-MS	0.71	Horz(C	(1)	.09	6 n/a	a n/a		
BCDL		10.0		-								-	Weight: 142 lb	FT = 20%
LUMBER				2)	Wind: ASCE	7-16; Vult=115mph	(3-seco	ond gus	st)					
TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1	*Excen	ot* B2:2x6 SP 2400F	2.0E	Vasd=91mph B=25ft; L=25	i; TCDL=6.0psf; BCL ft; eave=4ft; Cat. II; I	DL=6.0 Exp B;	pst; h=: Enclos	25ft; ed;					
WEBS	2x4 SP 2400)F 2.0E	*Except* W1:2x4 SP		MWFRS (dire	ectional) and C-C Co	orner (3 end ve	3) zone; ertical le	; eft and					
BRACING	NO. I, VV3.2X	4 5P NG	0.5		right exposed	I;C-C for members a	and ford	ces & N		for				
TOP CHORD	Structural w	ood she lins ex	athing directly applied	d or		win, Lumber DOL-1	.00 pia	ite grip	DOL-1.	50				
BOT CHORD	Rigid ceiling	directly	applied or 10-0-0 oc	3)	TCLL: ASCE Plate DOL=1	7-16; Pr=100.0 psf (.15); Pg=10.0 psf; Pi	(roof Ll f=11.9	L: Lum psf (Lu	DOL=1. m DOL :	15 =				
	2-2-0 oc bra	cing: 8-	10.		1.15 Plate DC	DL = 1.15); ls=1.0; R 1 00: Ct=1 10	Rough (Cat B; F Min flat	Fully Exp).;				
WEBS	1 Row at mi	dpt -	4-6 that Stabilizers and		snow load go	verns. Rain surchar	rge app	blied to	all					
	required cro	oss brac	ing be installed during	g	accordance v	vith IBC 1608.3.4.	s man	0.500/1	12 11					
	Installation	on, in ac guide.	cordance with Stabili	zer 4) 5)	Provide adeq All plates are	uate drainage to pre MT20 plates unless	event w otherv	/ater po vise ind	onding. licated.					
REACTIONS	(size) 6=	=5-08, (r	nin. 2-05), 11=5-08, (min. 6)	Provide mech	nanical connection (b	by othe	ers) of ti Əlbunli	russ to ift at ioin	t				
	-3 Max Horiz 11	04) I=-44 (L	C 11)		11 and 59 lb	uplift at joint 6.	ung oc		int at join					
	Max Uplift 6=	=-59 (LC	(LC 13), 11=-59 (LC 13)	, LC	AD CASE(S)	Standard								
FORCES	(lb) - Max. C	omp./Ma	ax. Ten All forces 2	, 50		n in the second se								
TOP CHORD	(lb) or less e 1-11=-2655/	xcept w 284, 1-2	hen shown. 2=-6605/638.		(B-51	MARK								
	2-12=-8713/	827, 3-1	2=-8713/827,											
	5-13=-6589/ 5-6=-606/89	us <i>r</i> , 4-1	30009/037,		浸油									
BOT CHORD	9-10=-671/6 7-8=-859/87	605, 8-9 13, 6-7=)=-671/6605, 649/6589											
WEBS	4-6=-6660/6	38, 2-10)=-2010/276,		E1203									
	3-8=-552/12	6, 3-7=-	2231/221, 4-7=0/693	<u>Q</u>	R Link: How to I	Read Engineer Drawin	<u>gs</u>							
NOTES	d roof live log	de have	boon considered for	thic										

Job		Truss		Truss T	ype		Qty	· F	Ply	Lucy Q	uarte	r Town	homes	6	
B2500281		R06		Flat			1		1	Job Re	feren	ce (opt	ional)		
Hiwassee Structur	al Products, C	hattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct	31 2024	Print: 8.8	320 S Oct	31 2024 N	liTek l	ndustrie	s, Inc. V	Wed Mar 05 14:02:	17 Page: 1
								ID:Lix0	gisNOaB1	Imyue5Hh	IEzgg	b8-AUR	Ss3o2b	PPP9ljWYdnQfL4c	FbNTx1bgJPK4bYzdz4O
	<u> </u>					21-05	8-00								
			5-05-14		5-04-	02		5-	-04-02					5-05-14	
	M18AH	S 8x10		5x6		7	x8				M18	BAHS 8>	(10		M18AHS 5x8
		e extre				M	1								
		L			T1							T1			
)2-10	W1		W2	W3	W2	W3		W2			W3		W2		W1
5-0				B1			ļ					B2			
ł			L				-					52			×
	M18AHS	6 5x8	M18	3AHS 8x1	0						5x6				418AHS 5x12
277	79 lb/-59 lb					M18AHS 5x	12							2779 16	0/-59 lb
						5x6	6								
Camber = 1/8 in	<i> </i>		5-05-14	_/	5-04-	.02	/	5-	-04-02		-/			5-05-14	/
Plate Offsets (X	, Y): [3:3-04	,4-08], [4	4:3-00,4-00], [5:Edge,	3-08], [9	:5-04,2-08], [1	0:3-00,4-00]									
Loading		(nsf)	Spacing		2-00-00	CSI		DEEL		in (I	00)	l/defl	l /d		GRIP
TCLL (roof)	1	00.0	Plate Grip DOL		1.15	TC	0.76	Vert(L	_L) -(0.46	8	>564	240	M18AHS	186/179
Snow (Pf/Pg) TCDL	11.9	/10.0 20.0	Lumber DOL Rep Stress Incr		1.15 YES	BC WB	0.96 0.70	Vert(C	CT) -(CT) (0.59 0.09	8 6	>433 n/a	180 n/a	MT20	244/190
BCLL		0.0	Code	IBC2	021/TPI2014	Matrix-MS		Ì	,					Waight: 142 lb	ET - 20%
		10.0												Weight. 142 lb	FT = 20%
LUMBER	2x6 SP No 1			2)	Wind: ASCE Vasd=91mph	7-16; Vult=115mp 1: TCDL=6.0psf: B	oh (3-se SCDL=6.	cond gu 0psf: h=	ıst) =25ft:						
BOT CHORD	2x6 SP No.1	*Excep	ot* B2:2x6 SP 2400F 2	2.0E	B=25ft; L=25	ft; eave=4ft; Cat. I	II; Exp B	; Enclos	sed;						
WEBS	2x4 SP 2400 No.1, W3:2x	4 SP No	"Except" W1:2x4 SP		cantilever lef	t and right expose	d; end	vertical	left and	,					
	Structural w	ood sha	athing directly applied	lor	right exposed reactions sho	bwn; Lumber DOL	s and fo =1.60 p	rces & l late grip	DOL=1	for .60					
	2-1-4 oc pur	lins, ex	cept end verticals.	3)	TCLL: ASCE	7-16: Pr=100.0 p	sf (roof	LL: Lum	DOL=1	.15					
BOT CHORD	Rigid ceiling bracing, Ex	directly	applied or 10-0-0 oc	-,	Plate DOL=1	.15); Pg=10.0 psf;	; Pf=11.	9 psf (Li	um DOL	=					
WEBS	2-2-0 oc bra 1 Row at mi	cing: 8- dot	10. 4-6		Ce=0.9; Cs=	1.00; Ct=1.10, Lu=	=50-0-0;	Min. fla	at roof	p.,					
	MiTek reco	mmends	s that Stabilizers and		snow load go exposed surf	aces with slopes l	narge aj less thai	n 0.500/	5 all /12 in						
	truss erection	oss brac on, in ac	cordance with Stabiliz	zer 4)	accordance v Provide adec	with IBC 1608.3.4. Juate drainage to I	prevent	water p	ondina.						
	Installation	guide.		5)	All plates are	MT20 plates unle	ess othe	rwise in	dicated.						
REACTIONS (s	size) 6=	=5-08, (r 04)	min. 2-05), 11=5-08, (r	nin. ⁰⁾	bearing plate	capable of withst	anding \$	59 lb up	lift at joir	nt					
N	1ax Horiz 11	I=-45 (L	C 9)	LO	11 and 59 lb	uplift at joint 6. Standard									
IV N	lax Oplint 6=	=-59 (LC =2779 (L	.C 2), 11=-59 (LC 13) .C 2), 11=2779 (LC 2)												
FORCES	(lb) - Max. C	omp./M	ax. Ten All forces 2	50		物倫思									
TOP CHORD	1-11=-2658/	285, 1-2	2=-6462/625,		10 M	24 S. S. S.									
	2-12=-8518/ 3-13=-6447/	809, 3-1 624, 4-1	12=-8518/809, 13=-6447/624,		2 1 1 (S	おおな									
BOT CHORD	5-6=-603/88 9-10=-658/6	462.8-9	9=-658/6462		1253	1998									
WERS	7-8=-842/85	18, 6-7=	636/6447		n X-	明 新生									
	1-10=-631/6	557, 2-8	B=-215/2165,	<u>Q</u>	R Link: How to	Read Engineer Drav	<u>wings</u>								
NOTES	J-8=-552/12	0, 3-/=-	2181/217, 4-7=0/696												

Job		Truss		Truss T	уре		Qty		Ply	Lucy Qua	arter Tow	homes	;	
B2500281		R07		Flat			1		1	Job Refe	rence (or	tional)		
Hiwassee Struct	ural Products, C	Chattanoo	ga, TN 37404, Chase Th	omas		Run: 8.82 S Oct 31	2024 F	Print: 8.8	820 S Oct 3	31 2024 Mil	ek Industri	es, Inc. \	Ved Mar 05 14:02:1	7 Page: 1
								ID:pA1	IpSs4f86T	FSXKLitcw0	1zggas-AU	RSs3o2	oPPP9ljWYdnQfL4p	5bNwx1lgJPK4bYzdz4O
						21-08-0	00				/			
	1		5-05-14	,	5-05	-14		5	5-02-06		, ,		5-05-14	1
				3x8		7x8	3				V18AHS 5	x 8		MARALIC 5-0
	5x*	12				M								MITOARS 5X0
		7			T1							2		
3-02	W1		W2	W3	W2	W3		W2		١	¥3	W2	A	W1
2-0														
Ţ				B1							B2			
		C 540		2~14		MT1040 12	w16				1~1		M	
2	779 lb/-59 lb	3 380	(JX 14		WI 10H3 12					+X4		2779 lb/	-59 lb
Camber = 1/8 in	n /		5-05-14		5-04	-02		5	-04-02		/		5-05-14	/
	X XX 10.0 00	4 001 1	20.4 00 4 001 [4:0 00	0.001.15.	Edua 2 001 0		0.0.40	-						
	X, Y): [2:3-08	5,1-08], [3:4-00,4-08], [4:3-00,	2-08], [5: 	Eage,3-08], [9	:4-00,Edgej, [10:3-0	8,3-12							-
Loading		(psf) 100.0	Spacing Plate Grin DOI		2-00-00 1 15	CSI TC	0.77	DEFL	_) _(in (loo	;) l/defl 0 >588	L/d 240	PLATES M18AHS	GRIP 186/179
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL		1.15	BC	0.93	Vert(0	CT) -0).44 0-1).57	8 >453	180	MT20	244/190
TCDL BCLI		20.0 0.0	Rep Stress Incr Code	IBC2	YES 021/TPI2014	WB Matrix-MS	0.69	Horz((CT) (0.09	6 n/a	n/a	MT18HS	244/190
BCDL		10.0	0000	1202	5217112011								Weight: 142 lb	FT = 20%
	-		-	2)	Wind: ASCE	7-16; Vult=115mph	(3-sec	ond qu	ust)					
TOP CHORD	2x6 SP No.	1 4 ∗⊏	-	, О О Г	Vasd=91mpl	n; TCDL=6.0psf; BCI	DL=6.0)psf; h	=25ft;					
WEBS	2x6 SP No. 2x4 SP 240	0F 2.0E	*Except* W1:2x4 SP	2.0E	MWFRS (dir	ectional) and C-C Co	orner (3) zone	e;					
PRACING	No.1, W3:2>	k4 SP N	0.3		right exposed	t and right exposed ; d;C-C for members a	; end v and for	ertical	MWFRS	for				
TOP CHORD	Structural w	ood she	eathing directly applie	d or	reactions sho	own; Lumber DOL=1	.60 pla	ate grip	DOL=1.	60				
BOT CHORD	2-1-4 oc pu Rigid ceiling	rlins, ex directly	cept end verticals. / applied or 10-0-0 oc	3)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lum	n DOL=1.	15				
	bracing, E	xcept:	.10		1.15 Plate D	OL = 1.15; Is=1.0; F	Rough	Cat B;	Fully Exp	= D.;				
WEBS	1 Row at mi	idpt	4-6		Ce=0.9; Cs= snow load go	1.00; Ct=1.10, Lu=5 overns. Rain surcha	0-0-0; rge ap	Min. fla plied to	at roof o all					
	MiTek reco required cr	ommend oss brad	s that Stabilizers and cing be installed durin	a	exposed sur	aces with slopes les	s than	0.500	/12 in					
	truss erecti	ion, in a	ccordance with Stabil	izer 4)	Provide adec	quate drainage to pre	event v	vater p	onding.					
DEACTIONS				5) 	All plates are Provide mec	e MT20 plates unless hanical connection (l	s other by othe	wise in ers) of	truss to					
REACTIONS	(size) 6: 3-	=5-08, (I -04)	min. 2-05), 11=5-08, (min.	bearing plate	e capable of withstan	ding 5	9 lb up	olift at join	t				
	Max Horiz 1 Max Uplift 6	1=-46 (L =-59 (I (.C 9) C 13) 11=-59 (I C 13)	LO	AD CASE(S)	Standard								
	Max Grav 6	=2779 (1	LC 2), 11=2779 (LC 2)		60000a-1157								
FORCES	(lb) - Max. C (lb) or less e	Comp./M	lax. Ten All forces 2 /hen shown.	250										
TOP CHORD	1-11=-2661	/285, 1-2	2=-6334/614, 12=-8287/785											
	3-13=-6294	/610, 4-	13=-6294/610,		6 <u>1</u> -8	2. N. C.								
BOT CHORD	5-6=-605/89 9-10=-648/6) 6334, 8-9	9=-648/6334,		1838									
WEBS	7-8=-827/83	30, 6-7:	=-621/6294			研究法								
**LDO	1-10=-622/6	6452, 2-8	8=-202/2061,	<u>Q</u>	R Link: How to	Read Engineer Drawin	igs							
NOTES	J-8=-533/12	23, 3-7=	-2154/218, 4-7=0/721											

Job		Truss		Truss T	уре		Qty		⊃ly	Lucy Q	uarter	r Town	homes	;	
B2500281		R08		Flat			1		1	Job Re	ferend	ce (opt	ional)		
Hiwassee Structu	ral Products, C	hattanoog	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024	Print: 8.8	320 S Oct 3	31 2024 N	liTek Ir	ndustrie	s, Inc. V	Ved Mar 05 14:02:1	7 Page: 1
							ID:	6nTuV3	Mjvuuski	DAz6v1Y1	'5zgga	U-AURS	Ss3o2bl	PPP9ljWYdnQfL4q	DbNEx1ugJPK4bYzdz4O
	<u> </u>		E 0E 14		E 05	21-08-0	0	6	02.06						
			5-05-14		5-05	-14		5	-02-06				:	5-05-14	
	5x1	12		3x8		7x8					M184	AHS 5x8	3		M18AHS 5x8
У					T 4	¥_						T 0			
0			~	R			_	_					_	2	
03-1	W1		<u>Ŵ2</u>	W3	Ŵ2	W3				_	W3		<u>_</u> 2		VV1
5				B1								B2			
X						A									X
2	M18AH	S 5x8	6	x14		MT18HS 12	x16				4x4			2779 Ib/	18AHS 5x12
2	di 66-idi 67													211310	-00 10
Camber = 1/8 in	1			,		,					,				,
			5-05-14	/	5-04-	.02		5	04-02				Ę	5-05-14	
Plate Offsets ()	(, Y): [2:3-08	,1-08], [3	3:4-00,4-08], [4:3-04,2	-08], [5:	:Edge,3-08], [9	:4-04,Edge], [10:3-08	3,3-12]							
Loading	1	(psf)	Spacing		2-00-00	CSI		DEFL		in (l	oc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	1	00.0	Plate Grip DOL		1.15	TC	0.75	Vert(L	L) -0).42	8	>614	240 180	M18AHS	186/179
TCDL	11.5/	20.0	Rep Stress Incr		YES	WB	0.68	Horz(CT) ().09	6	n/a	n/a	MT18HS	244/190
BCLL BCDL		0.0 10.0	Code	IBC2	021/TPI2014	Matrix-MS								Weight: 143 lb	FT = 20%
						7.40 0 400 0 6				45				5	
LUMBER TOP CHORD	2x6 SP No.1			3)	Plate DOL=1	.15); Pg=10.0 psf; Pi	1001 L) psf (L	um DOL=1.	15 =					
BOT CHORD	2x6 SP No.1	*Excep	t* B2:2x6 SP 2400F 2 *Except* W1:2x4 SP	2.0E	1.15 Plate D Ce=0.9: Cs=	OL = 1.15); Is=1.0;	ough)-0-0:	Cat B; Min. fla	Fully Exp at roof	D.;					
WEBC	No.1, W3:2x	4 SP No	0.3		snow load go	overns. Rain surchar	ge ap	plied to	all 12 in						
BRACING TOP CHORD	Structural w	ood she	athing directly applied	or	accordance v	with IBC 1608.3.4.	5 u iai								
	2-2-0 oc pur	lins, ex	cept end verticals.	4) 5)	All plates are	MT20 plates unless	other	water p wise in	onding. dicated.						
	bracing.	uneouy		6)	Provide mecl bearing plate	nanical connection (t capable of withstan	by oth dina 5	ers) of 9 lb up	truss to lift at ioin	t					
WEBS	MiTek reco	apt 4 mmends	4-6 s that Stabilizers and		11 and 59 lb	uplift at joint 6.	5		,						
	required cro	oss brac	ing be installed during		JAD CASE(S)	Standard									
	Installation	guide.				162 (A) 🗉									
REACTIONS	(size) 6=	=5-08, (n	nin. 2-05), 11=5-08, (r	nin.	- <u>A</u>										
I	-3 11 Max Horiz	04) I=-47 (L	C 9)			6336									
1	Max Uplift 6= Max Grav 6=	=-59 (LC =2779 (I	13), 11=-59 (LC 13) C 2) 11=2779 (LC 2)			66. Č									
FORCES	(lb) - Max. C	omp./Ma	ax. Ten All forces 25	50		開始設定									
TOP CHORD	(lb) or less e 1-11=-2664/	xcept wl 286, 1-2	hen shown. =-6202/602,	c	R Link: How to J	Read Engineer Drawin	as								
	2-12=-8109/ 3-13=-6164/	768, 3-1 598 4-1	2=-8109/768, 3=-6164/598				<u>a-</u>								
	5-6=-601/88	202 0 0	- 626/6202												
	7-8=-811/81	202, 8-9 51, 6-7=	610/6164												
WEBS	4-6=-6296/6	04, 2-10 340, 2-8)=-2025/279,)=-198/2017,												
NOTES	3-8=-533/12	3, 3-7=-2	2108/214, 4-7=0/724												
1) Unbalance	d roof live loa	lds have	been considered for	this											
design. 2) Wind: ASC	E 7-16; Vult=	115mph	(3-second gust)												
Vasd=91m B=25ft· I =2	ph; TCDL=6.0 25ft: eave=4ft	0psf; BC :: Cat II [.]	DL=6.0psf; h=25ft; Exp B: Enclosed												
MWFRS (d	lirectional) an	d C-C C	orner (3) zone;												
right expos	ed;C-C for m	embers	and forces & MWFRS	for											
reactions s	nown; Lumbe	er DOL=	1.60 plate grip DOL=1	.60											

Job		Truss	I	Truss T	vpe		Otv		Ply	Lucv	Quarte	r Town	homes	3	
B2500281		R09		Flat Gi	rder		1		3)				
Hiwassee Struct	ural Products, C	Chattanoog	ga, TN 37404, Chase Tho	omas		Run: 8.82 S Oct 3	1 2024	Print: 8	.820 S Oct	JOD F 31 2024	MiTek I	ce (opti ndustrie:	ional) s, Inc. V	Wed Mar 05 14:02	2:17 Page:
	, .							ID):EeOx3aYE	BPbq95I	HforVoX	zlzggYy-	eg?q4F	PpgMjXGnuli6LlfB	3Ycy1?jigU8qY34e7_zdz4
			/			. 21-08-0	0						/		
	1	2-10-02	2 2-08-06		2-08-06	2-08-06	2-08	8-06	/	4-0	02-08		/	3-10-00	1
	5.0		5x6	5x6		10x10 3x	:10		2x4			6×	:14		
``	588					A								M	18AHS 8X10
<u> </u>		<u> </u>					7		_0		T2				
04-0	W1	W2	W1 W2	W1 1	W2 W1	W2 W1	W2	\searrow	W1		₩3	V	V1	W4	~ W1
5			B1					\rightarrow		B2				<u> </u>	
X			L	A											
76	M18AHS	3x10	5x8 M	18AHS 1	0x12 5x6	5x6			12x16				M18AH	IS 8x10 11068 lb/	M18AHS 5x8
														110001.57	0.2.12
									Special						
Camber = 1/8 in	ı /	2 40 02	2 08 06	-/	2 08 06	2.09.06	2.0	0.00	_/	4.0	2 00		/	2 10 00	/
		2-10-02	2 2-08-06		2-08-06	2-08-06	2-00	8-06		4-0)2-08			3-10-00	
Plate Offsets (X, Y): [1:2-08] [13:2-0	3,2-08], [2)0,2-08],	2:1-12,2-04], [3:2-00,2 [14:4-08,5-00], [15:2-	2-08], [4: 08,2-08]	5-00,5-04], [5	:3-08,1-08], [7:5-12,2	2-12],	8:2-00),2-12], [9:	:Edge,3	3-08], [′	10:2-00	,2-12],	, [11:5-00,Edge], [12:2-08,2-08],
Loading		(psf)	Spacing		2-00-00	CSI		DEF		in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	11 0	100.0	Plate Grip DOL		1.15	TC	0.95	Vert	(LL) -(0.49 1	11-12	>526	240	M18AHS	186/179
TCDL	11.8	20.0	Rep Stress Incr		NO	WB	0.96	Horz	(CT) -((CT) (0.63 0.08	9	>408 n/a	n/a	IVI I 20	244/190
BCLL BCDI		0.0 10.0	Code	IBC2	021/TPI2014	Matrix-MS								Weight: 452 lt	o FT = 20%
						· · · ·									
LUMBER TOP CHORD	2x6 SP No.	1 *Excep	ot* T2:2x6 SP 2400F 2	2) 2.0E	3-ply truss to nails as follo	o be connected toge	ther wi	th 100	1 (0.131"X	3")	Unif	orm Loa ert: 1-8	ads (lb =-64, §	9-16=-20	
BOT CHORD	2x6 SP No. 2x4 SP No.	1 *Excep 3 *Excer	ot* B2:2x6 SP 2400F 2	2.0E	Top chords 2x6 - 2 rows	connected as follows staggered at 9-00 c	s: 2x4 oc.	- 1 row	v at 9-00 c	DC,	Con V	centrate ert· 11=	ed Loa -4150	ads (lb)	
WEBC	2.0E, W2:22	4 SP No	p.1		Bottom chor	ds connected as foll t 4-00 oc	ows: 2	x6 - 3	rows		_				
BRACING TOP CHORD	Structural w	/ood she	athing directly applied	l or	Web connec	cted as follows: 2x4	- 1 row	at 9-0	0 oc,	-	5	14	ф,	盗胆	
	4-4-9 oc pu Rigid ceiling	rlins, ex	cept end verticals.	3)	All loads are	considered equally	/s stag applie	gered d to al	at 4-00 of I plies,	С.	1	7 a.	ЧĽ,		
	bracing.	Junecuy	applied of 10-0-0 0c		except if not CASE(S) se	ted as front (F) or ba ection. Ply to ply conr	ck (B) nectior	face ir is have	n the LOA e been	D	ŝ	tf⊷	Э,	20	
REACTIONS	(size) 9	=5-08, (r	min. 3-01), 16=5-08, (I	min.	provided to	distribute only loads	noted	as (F)	or (B),		S	23	19	2. E	
	Max Horiz 1	6=-48 (L	C 9)	4)	Unbalanced	roof live loads have	been	consid	lered for th	his	្រំ	л×	田		
	Max Uplift 9 Max Grav 9	=-312 (L =11068 ((LC 2), 16=-207 (LC 1 (LC 2), 16=7635 (LC 2	3) 2) 5)	Wind: ASCE	7-16; Vult=115mph	(3-sed	cond g	just)	<u>c</u>	R Link:	How to	Read I	Engineer Drawing	<u>gs</u>
FORCES	(lb) - Max. (Comp./M	ax. Ten All forces 2	50	Vasd=91mp B=25ft; L=2	n; TCDL=6.0psf; BC 5ft; eave=4ft; Cat. II;	DL=6. Exp B	Upsf; h ; Enclo	n=25ft; osed;						
TOP CHORD	1-16=-7443	/417, 1-2	2=-10289/556,		MWFRS (dir cantilever le	rectional) and C-C C	orner (; end v	(3) zor vertica	ne; Il left and						
	2-3=-20009 4-17=-3534	0/1582, 9	-4=-27021/1315, 5-17=-35340/1582,		right expose	ed;C-C for members	and fo	rces &	MWFRS	for					
	5-18=-4029 6-7=-40291	1/1705, 0 /1705, 7·	6-18=-40291/1705, -8=-20815/949,	-			1.00 pl	ate gfi	р DOL=1.						
	8-9=-10932	/529 /10280	13-14=-1025/10570	6)	FCLL: ASCE	= 7-16; Pr=100.0 psf 1.15); Pg=10.0 psf; F	(roof l Pf=11.9	_L: Lui 9 psf (I	m DOL=1. Lum DOL	.15 =					
	12-13=-139	6/28623,	, 11-12=-1616/35340,		1.15 Plate D Ce=0.9: Ce=	OL = 1.15); ls=1.0; =1.00: Ct=1 10 Lu=F	Rough	Cat B Min f	; Fully Exp lat roof	р.;					
WEBS	10-11=-954 8-10=-1033	/20815, 9 /23007, 0	9-10=-34/316 6-11=-108/311,		snow load g	overns. Rain surcha	arge ap	plied	to all						
	7-11=-849/2 5-11=-224/6	21330, 7 6034. 2-1	-10=-10008/516, 15=-7103/416		exposed sur	with IBC 1608.3.4.	ss thar	10.500	u/12 IN						
	1-15=-646/1	12283, 2	-14=-561/11674,	7) 8)	Provide ade All plates ar	quate drainage to pr e MT20 plates unles	event s othe	water rwise i	ponding. ndicated						
	4-13=-6033	/287, 4-1	12=-293/8560,	9)	Provide med	chanical connection	(by oth	ers) o	f truss to	int					
NOTES	5-12=-4426	/181			16 and 312	b uplift at joint 9.	iuniy z		upint at jo	111					
1) Special co	nnection requ	uired to c	distribute bottom chore	10) Hanger(s) o provided sut	r other connection de fficient to support co	evice(s ncentra	s) shal ated lo	i be bad(s) 131	45					
ioaus equa		an piles.			lb down and design/select responsibilit	401 lb up at 13-7-8 ction of such connec v of others	on bo tion de	ttom c vice(s	hord. The	e					

responsibility of others. LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R10	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:3R74UZbe0KtN687cjPt?G5zggaB-eg?q4PpgMjXGnuli6LlfBYc26?rzgPcqY34e7_zdz4N





		_
	- /	

4-06-09

4-04-13

4-06-09

Plate Offsets (X, Y): [5:Edge,3-08], [6:3-08,2-00]

Loading	(ncf)	Spacing	2.00			DEEL	in	(loc)	l/dofl	L/d		CPIP
	(psi) 100.0	Plate Grin DOI	2-00-		0.56			(100)		2/0	MT20	2/1/100
Snow (Pf/Pa)	11 9/10 0	Lumber DOI	1.	5 BC	0.30	Vert(CT)	-0.03	6-7	>999	180	101120	244/130
	20.0	Ren Stress Incr	YE	S WB	0.10	Horz(CT)	0.02	5	n/a	n/a		
BCLI	0.0	Code	BC2021/TPI20	4 Matrix-MS	0.07	11012(01)	0.02	Ŭ	n/a	n, a		
BCDL	10.0										Weight: 91 lb	FT = 20%
LUMBER			3) TCLL: AS	CE 7-16; Pr=100.0	0 psf (roof L	L: Lum DOL	_=1.15					
TOP CHORD	2x6 SP No.1		Plate DO	=1.15); Pg=10.0	psf; Pf=11.9) psf (Lum D	OL =					
BOT CHORD	2x6 SP No.1		1.15 Plat	DOL = 1.15); ls=	1.0; Rough	Cat B; Fully	Exp.;					
WEBS	2x4 SP No.3 *Except	ot* W2:2x4 SP No.1	Ce=0.9;	s=1.00; Ct=1.10,	Lu=50-0-0;	Min. flat roo	f					
BRACING			snow loa	governs. Rain si	urcharge ap	plied to all						
TOP CHORD	Structural wood she	athing directly applied or	exposed	with IBC 1608	es iess than 3.4	10.500/12 10						
	4-3-7 oc purlins, ex	cept end verticals.	4) Provide a	dequate drainage	to prevent v	water pondir	na.					
BOT CHORD	Rigid ceiling directly	/ applied or 10-0-0 oc	5) Refer to	irder(s) for truss to	o truss conr	nections.	.9.					
			6) Provide r	echanical connec	tion (by oth	ers) of truss	to					
	MITEK recommend	s that Stabilizers and	bearing p	ate capable of wit	hstanding 4	0 lb uplift at	joint					
	truss erection in a	cordance with Stabilizer	8 and 40	b uplift at joint 5.								
	Installation guide.		LOAD CASE	S) Standard								
REACTIONS	(size) 5= Mecha	anical, (min. 1-08), 8=5-08	B, D I	ഷോഗത								
	(min. 2-00)	100									
	Max Horiz 8=49 (LC	10)		LA GAR								
	Max Uplift 5=-40 (LC	C 10), 8=-40 (LC 9)	47	asan sa sa								
		LC 2), 8=1717 (LC 2)	33	CH-76666								
FORCES	(Ib) - Max. Comp./M	ax. Ten All forces 250		6 6 6 2								
TOP CHORD	1-8=-480/92 2-3=-2	737/376		CHARLES HT								
	3-10=-2733/376. 4-2	10=-2733/376.		1917-474-76								
	4-5=-1635/250	,	OR Link: How	to Read Engineer I	Drawings							
BOT CHORD	7-8=-412/2737, 6-7=	=-397/2733	GREEN. HO	to ricua Engineer E	namigo							
WEBS	4-6=-398/2874, 2-8=	=-2883/401,										
NOTES	3-0=-1100/224											
1) Unbalance	ed roof live loads have	e been considered for this										
, design												

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R11	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:PPwzXHfmrsWfDw?aVyTAz9zgga6-eg?q4PpgMjXGnuli6LlfBYc2G?r8gPcqY34e7_zdz4N





4-06-09	

4-04-13

4-06-09

Plate Offsets (X, Y): [5:Edge,3-08], [6:3-08,2-00]

												_
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.55 0.42 0.97	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.02	(loc) 6-7 6-7 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 92 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 4-4-0 oc purlins, ex Rigid ceiling directly bracing. MiTek recommend: required cross brac truss erection, in ac Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied or coept end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASCE Plate DOL=' 1.15 Plate DOL=' 1.15 Plate DO Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide adee 5) Refer to gird 6) Provide mechanism 6) Provide mechanism 6) Provide mechanism 6) Provide mechanism 6) And Case(S) 	E 7-16; $Pr=100.0$ 1.15); $Pg=10.0 p$ OL = 1.15); Is= 1.00; $Ct=1.10$, I overns. Rain su faces with slope with IBC 1608.3 quate drainage ler(s) for truss to chanical connect a capable of with uplift at joint 5. Standard	D psf (roof L psf; Pf=11.9 1.0; Rough Lu=50-0-0; urcharge ap se less than 8.4. to prevent v o truss conr tion (by oth hstanding 4	L: Lum DOL 9 psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir nections. ers) of truss 0 lb uplift at	_=1.15 OL = Exp.; f ng. to joint					
REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES 1) Unbalance	(size) 5= Mecha (min. 2-00 Max Horiz 8=50 (LC Max Uplift 5=-40 (LC Max Grav 5=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-8=-478/92, 2-3=-2 3-10=-2680/370, 4-7 4-5=-1637/250 7-8=-406/2684, 6-7= 4-6=-393/2831, 2-8= 3-6=-1102/225 ed roof live loads have	anical, (min. 1-08), 8=5-08) 12) 2 10), 8=-40 (LC 9) LC 2), 8=1717 (LC 2) Iax. Ten All forces 250 then shown. (684/369, 10=-2680/370, =-390/2680 =-2840/395, e been considered for this	3,	Read Engineer D	Drawings							
design.		(2 1 1)										

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R12	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:Ln2jyyg1NUmNSD9ydNVe2azgga4-eg?q4PpgMjXGnuli6LlfBYc0E?vkgWfqY34e7_zdz4N



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 100.0 11.9/10.0 20.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.68 0.19 0.52	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.17 0.00	(loc) 5 5 4	l/defl >999 >911 n/a	L/d 240 180 n/a	PLATES M18AHS MT20	GRIP 186/179 244/190
BCDL	10.0										Weight: 89 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-3-10 oc purlins, e Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied o except end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASCI Plate DOL= 1.15 Plate D Ce=0.9; Cs: snow load g exposed sul accordance 4) Provide ade 5) All plates ar 6) Refer to girc 7) Provide med bearing plat 6 and 40 lb LOAD CASE(S) 	7-16; Pr=100 1.15); Pg=10.0 OL = 1.15); Is 1.00; Ct=1.10, overns. Rain s faces with slog with IBC 1608 quate drainage MT20 plates ehanical conne e capable of wi uplift at joint 4. Standard	.0 psf (roof L psf; Pf=11.9 =1.0; Rough , Lu=50-0-0; surcharge ap pes less than 3.4. to prevent v unless other to truss conr ction (by oth thstanding 4	L: Lum DOL o psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir wise indicat ections. ers) of truss 0 lb uplift at	_=1.15 OL = Exp.; f ng. ed. to joint					
REACTIONS FORCES TOP CHORD	(size) 4= Mecha (min. 2-00 Max Horiz 6=-51 (LC Max Uplift 4=-40 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1602/258, 1-7: 2-7=-3196/430. 2-8:	anical, (min. 1-08), 6=5-0) C 9) C 10), 6=-40 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. =-3196/430, =-3196/430.	8, 									
WEBS NOTES	3-8=-3196/430, 3-4 1-5=-439/3127, 2-5 3-5=-440/3127	=-1602/258 =-1784/353,	QR Link: How to Read Engineer Drawings									

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R13	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:mMksa_jvfP8yJhtXIV2LgCzgga1-eg?q4PpgMjXGnuli6LlfBYc05?vtgXpqY34e7_zdz4N



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-12]

											-	
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.69 0.18 0.51	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.17 0.00	(loc) 5 5 4	l/defl >999 >943 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 90 lb	GRIP 186/179 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-4-1 oc purlins, ex Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ad Installation guide.	pt* W3:2x4 SP No.3 eathing directly applied o ccept end verticals. y applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASC Plate DOL= 1.15 Plate I Ce=0.9; Cs: snow load g exposed su accordance 4) Provide adde 5) All plates ar 6) Refer to gird 7) Provide met bearing plat 6 and 40 lb LOAD CASE(S) 	E 7-16; Pr=100 II.15); Pg=10.0 OOL = 1.15); Is: =1.00; Ct=1.10 overns. Rain s faces with slog with IBC 1608 quate drainage e MT20 plates lar(s) for truss chanical conne e capable of w uplift at joint 4. Standard	0.0 psf (roof L psf; Pf=11.5 =1.0; Rough , Lu=50-0-0; surcharge ap pes less thar .3.4. a to prevent v unless other to truss conr ction (by oth ithstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir wise indicate nections. ers) of truss 0 lb uplift at	_=1.15 OL = Exp.; f ng. ed. to joint					
FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 2-00 Max Horiz 6=-52 (LC Max Uplift 4=-40 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1604/259, 1-7: 2-7=-3141/423, 2-8: 3-8=-3141/423, 3-4: 1-5=-434/3083, 2-5: 3-5=-435/3083	anical, (min. 1-08), 6=5-0 0) C 9) C 10), 6=-40 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. =-3141/423, =-3141/423, =-1604/259 =-1789/354,	18, Carlink: How to	Read Engineer	Drawings							
NOTES												

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R14	Flat	1	1	Job Reference (optional)

ID:e8zMQLmQjdeOoIBJXL7Hq2zggZz-eg?q4PpgMjXGnuli6LlfBYc05?vtgXyqY34e7_zdz4N



1717 lb/-40 lb18AHS 3x10

6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

2-06-10

		-		-								-
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.69 0.18 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.16 0.00	(loc) 5 5 4	l/defl >999 >972 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 90 lb	GRIP 186/179 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except Structural wood she 3-4-9 oc purlins, ex Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied or ccept end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASC Plate DOL= 1.15 Plate I Ce=0.9; Cs snow load g exposed su accordance 4) Provide ade 5) All plates ar 6) Refer to girin 7) Provide me bearing plat 6 and 40 lb 	E 7-16; Pr=100 1.15); Pg=10.0 OOL = 1.15); Is =1.00; Ct=1.10 joverns. Rain s rfaces with slop with IBC 1608 equate drainage e MT20 plates der(s) for truss chanical conne e capable of w uplift at joint 4.	0.0 psf (roof L psf; Pf=11.9 =1.0; Rough , Lu=50-0-0; surcharge ap bes less thar .3.4. e to prevent v unless other to truss conr ction (by oth ithstanding 4	L: Lum DOL) psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir wise indicate indicate ections. ers) of truss 0 lb uplift at	_=1.15 OL = Exp.; f ed. to joint					
REACTIONS FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 2-00 Max Horiz 6=-53 (LC Max Uplift 4=-40 (LC Max Grav 4=1717 (I (lb) - Max. Comp./M (lb) or less except w 1-6=-1606/259, 1-7: 2-7=-3087/415, 2-8: 3-8=-3087/415, 3-4: 1-5=-429/3041, 2-5:	anical, (min. 1-08), 6=5-04)) 2 9) 2 10), 6=-40 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 then shown. =-3087/415, =-3087/415, =-1606/259 =-1794/355,	B, B, CR Link: How to	Read Engineer	Drawings							
NOTES	3-5=-430/3041											

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1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R15	Flat	1	1	Job Reference (optional)

ID:3ifV2NoI0Y0yfmwuCTg_ShzggZw-eg?q4PpgMjXGnuli6LlfBYc0x?v1gXyqY34e7_zdz4N



1717 lb/-41 lb/18AHS 3x10

6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

2-07-02

												-
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES BC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.17 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.16 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 90 lb	GRIP 186/179 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-4-15 oc purlins, e Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ad Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied or except end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 TCLL: ASC Plate DOL= 1.15 Plate D Ce=0.9; Cs snow load g exposed su accordance Provide add 5) All plates ar Refer to girr Provide met bearing plat 6 and 41 lb LOAD CASE(S) 	E 7-16; Pr=100 1.15); Pg=10.0 20L = 1.15); Is =1.00; Ct=1.10 joverns. Rain : rfaces with slog with IBC 1608 equate drainage e MT20 plates der(s) for truss chanical conne e capable of w uplift at joint 4.	0.0 psf (roof I psf; Pf=11.9 =1.0; Rough , Lu=50-0-0; surcharge ap pes less thar .3.4. a to prevent i unless other to truss conr ction (by oth ithstanding 4	L: Lum DOL D psf (Lum D Cat B; Fully Min. flat roo pplied to all 1 0.500/12 in water pondir wise indicat rections. ers) of truss 1 lb uplift at	_=1.15 OL = Exp.; f ng. ed. to joint					
REACTIONS FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 2-00 Max Horiz 6=-54 (LC Max Uplift 4=-41 (LC Max Grav 4=-1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1608/260, 1-7: 2-7=-3035/409, 2-8: 3-8=-3035/409, 3-4: 1-5=-424/2999, 2-5: 3-5=-425/2999	anical, (min. 1-08), 6=5-08 D) C 10), 6=-41 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. =-3035/409, =-3035/409, =-1608/260 =-1798/355,	3.	Read Engineer	Drawings							
NOTES	0-0+20/2000											

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R16	Flat	1	1	Job Reference (optional)

ID:THKegPqAJTPXWDeSucEh4JzggZt-eg?q4PpgMjXGnuli6LIfBYc0x?v1gX6qY34e7_zdz4N



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

		-		-								
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.17 0.49	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.15 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 90 lb	GRIP 244/190 186/179 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-5-6 oc purlins, ex Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ad Installation guide.	pt* W3:2x4 SP No.3 eathing directly applied o ccept end verticals. y applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilize	 3) TCLL: ASC Plate DOL: 1.15 Plate Ce=0.9; Cs snow load exposed su accordance 4) Provide ad 5) All plates a 6) Refer to gin 7) Provide me bearing pla 6 and 41 lb LOAD CASE(S) 	E 7-16; Pr=100 1.15); Pg=10.0 OOL = 1.15); Is: =1.00; Ct=1.10, governs. Rain s rfaces with slog with IBC 1608 squate drainage re MT20 plates der(s) for truss chanical conne te capable of wi uplift at joint 4.) Standard	1.0 psf (roof I psf; Pf=11.9 =1.0; Rough , Lu=50-0-0; surcharge ap pes less thar .3.4. a to prevent to unless other to truss conr ction (by oth ithstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir wise indicate rections. ers) of truss 1 lb uplift at	=1.15 OL = Exp.; f ed. to joint					
FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 2-00 Max Horiz 6=-55 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1610/260, 1-7: 2-7=-2984/402, 2-8: 3-8=-2984/402, 3-4: 1-5=-419/2959, 2-5: 3-5=-420/2959	anical, (min. 1-08), 6=5-0 0) C 9) C 10), 6=-41 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 vhen shown. =-2984/402, =-2984/402, =-1610/260 =-1802/356,	08, 100 100 00 00 00 00 00 00 00 00 00 00 0	Pread Engineer	Drawings							
NOTES												

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1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R17	Flat	1	1	Job Reference (optional)

Page: 1 ID:8g2?OvCgJgUuyt2eZT2ap7zggId-mAHkorzqIjAQrunCMa1iDIfEfFLEDQVkXajq4kzdz4A



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.16 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.15 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 90 lb	GRIP 244/190 186/179 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-5-15 oc purlins, e Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ad Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied o except end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASCI Plate DOL= 1.15 Plate D Ce=0.9; Cs snow load g exposed su accordance 4) Provide ade 5) All plates ar 6) Refer to girc 7) Provide met bearing plat 6 and 41 lb LOAD CASE(S) 	E 7-16; Pr=100 1.15); Pg=10.0 0OL = 1.15); Is= 1.00; Ct=1.10, overns. Rain s faces with slop with IBC 1608. quate drainage e MT20 plates ler(s) for truss t chanical conne e capable of wi uplift at joint 4. Standard	.0 psf (roof L psf; Pf=11.§ =1.0; Rough Lu=50-0-0; surcharge ap es less than 3.4. to prevent v unless other to truss conr ction (by oth thstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir wise indicate rections. ers) of truss 1 lb uplift at	_=1.15 OL = Exp.; f ed. to joint					
FORCES TOP CHORD WEBS	REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08 (min. 2-00) Max Horiz 6=-56 (LC 9) Max Uplift 4=-41 (LC 10), 6=-41 (LC 9) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. FOP CHORD 1-6=-1611/261, 1-7=-2935/396, 2-7=-2935/396, 2-8=-2935/396, 3-8=-2935/396, 3-4=-1611/261 VEBS 1-5=-414/2920, 2-5=-1806/356, 3-5=-416/2920			Read Engineer	Drawings							
NOTES												

I

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R18	Flat	1	1	Job Reference (optional)

ID:8g2?OvCgJgUuyt2eZT2ap7zggId-eg?q4PpgMjXGnuli6LIfBYc0x?vCgXHqY34e7_zdz4N

Page: 1



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.16 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.15 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 90 lb	GRIP 244/190 186/179 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except Structural wood she 3-5-15 oc purlins, e Rigid ceiling directly bracing. MiTek recommend- required cross brack truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied of except end verticals. <i>v</i> applied or 10-0-0 oc s that Stabilizers and cing be installed during coordance with Stabilizer	 3) TCLL: ASCI Plate DOL= 1.15 Plate D Ce=0.9; Cs= snow load g exposed sui accordance 4) Provide ade 5) All plates ar 6) Refer to girc 7) Provide med bearing plat 6 and 41 lb LOAD CASE(S) 	E 7-16; $Pr=100$. 1.15); $Pg=10.0$ IOL = 1.15; $Is==1.00; Ct=1.10,overns. Rain sfaces with slopwith IBC 1608.quate drainagee MT20 plates ofchanical connecte capable of withuplift at joint 4.Standard$	0 psf (roof L psf; Pf=11.9 :1.0; Rough Lu=50-0-0; urcharge ap es less than 3.4. to prevent v unless other o truss conr ction (by other thstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roof plied to all 0.500/12 in vater pondin wise indicate ections. ers) of truss 1 lb uplift at	=1.15 OL = Exp.; f g. ed. to joint					
REACTIONS FORCES TOP CHORD WEBS NOTES	(size) 4= Mecha (min. 2-00 Max Horiz 6=-56 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1611/261, 1-7= 2-7=-2935/396, 2-8= 3-8=-2935/396, 3-4= 1-5=-414/2920, 2-5= 3-5=-416/2920	anical, (min. 1-08), 6=5-()) (10), 6=-41 (LC 9) .C 2), 6=1717 (LC 2) iax. Ten All forces 250 /hen shown. =-2935/396, =-1811/261 =-1806/356,	08, CR Link: How to	Read Engineer	Drawings							

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R19	Flat Girder	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:vU2RdSVMQMeLSjSRXD_RKPzggIE-eg?q4PpgMjXGnuli6LlfBYc?S?iXgUdqY34e7_zdz4N



HUS26

THDH26-2

Plate Offsets (X, Y): [1:1-12,2-00], [3:1-12,2-00], [4:Edge,3-08], [5:5-00,Edge]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2 IBC2021/T	2-00-00 1.15 1.15 NO PI2014	CSI TC BC WB Matrix-MP	0.73 0.97 0.65	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.14 n/a	(loc) 5-6 5-6 -	l/defl >871 >673 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 54 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.1 2x6 SP 2400F 2.0E 2x4 SP No.3 *Excep Structural wood she 2-9-9 oc purlins, ex Rigid ceiling directly bracing.	ot* W2:2x4 SP No.1 eathing directly applied of coept end verticals. v applied or 3-1-8 oc	 4) Prov 5) Refe 6) Prov bear 6 an 7) Use r 7) Use to co bott 	vide ade er to gird vide med ring plate d 85 lb MiTek H s into Tre onnect to om chor	quate drainage to er(s) for truss to t chanical connections capable of withs pulift at joint 4. tUS26 (With 14-1 uss) or equivalent uss(es) R21 (1 pl d.	prevent v truss conr on (by oth standing 1 6d nails in at 1-11-4 ly 2x6 SP	water pondin hections. ers) of truss 17 lb uplift a nto Girder & from the lef) to back fac	ng. to at joint 6-16d t end e of					
	MiTek recommend required cross brac truss erection, in ac Installation guide.	s that Stabilizers and cing be installed during ccordance with Stabilizer	8) Use 8-16 end of bo	od nails i to conne ottom ch	nto Truss) or equ ect truss(es) R22 ord.	ivalent at (2 ply 2x6 er is in cor	4-1-0 from the SP) to back	he left k face nber.					
REACTIONS	(size) 4=11-00, Mechanic Max Horiz 6=-74 (LC Max Uplift 4=-85 (LC Max Grav 4=2690 (I	(min. 2-04), 6= al, (min. 1-08) 2 9) 2 10), 6=-117 (LC 9) _C 2), 6=3882 (LC 2)	LOAD C 1) De Inc Un	ASE(S) ad + Sno rease=1 iform Lo /ert: 1-3	Standard bw (balanced): Lu .15 ads (lb/ft) =-64, 4-6=-20 ed Loads (lb)	rease=1.15,	Plate						
TOP CHORD	(lb) - Max. Comp./M (lb) or less except w 1-6=-2761/266 1-2=	ax. Ten All forces 250 /hen shown. =-3141/211	00	Vert: 5=-744, 7=-712									
WEBS	2-3=-3141/211, 3-4 1-5=-300/3952, 2-5 3-5=-300/3952	=-2761/266 =-1105/280,											
NOTES	ed roof live loads have	been considered for this	۹.	20	63.6								
	, a 1001 il vo 10aus 11avo												

QR Link: How to Read Engineer Drawings

- design.
- design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2)
- TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R20	Flat Girder	1	2	Job Reference (optional)



Uniform Loads (lb/ft)

2)

unless otherwise indicated.

Vert: 1-5=-64, 6-11=-20

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R21	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:EqpfM8xCQxPOTSG?MHNZO?zggZI-eg?q4PpgMjXGnuli6LlfBYcxi?qCgUSqY34e7_zdz4N

17-09-00 5-09-13 5-11-09 5-11-09 7x8 4x4 4x4 4x8 Т2 T1 AWZ W1 W1 W1 W1 3-03-07 W2 W В1 B2 ۵ 2270 lb/-48 lb M18AHS 3x10 4x4 5x6 5x6 4x8 2270 lb/-48 lb

5-11-09

5-09-13

5-11-09

Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code I	2-00-00 1.15 1.15 YES BC2021/TPI2014	CSI TC BC WB Matrix-MS	0.97 0.48 0.66	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.18 0.04	(loc) 6-8 6-8 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 124 lb	GRIP 244/190 186/179 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 3-5-6 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt MiTek recommendar required cross brack truss erection, in ac Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied or ccept end verticals. / applied or 10-0-0 oc 2-9 s that Stabilizers and cing be installed during ccordance with Stabilizer	 TCLL: ASCE Plate DOL=7 1.15 Plate D Ce=0.9; Cs= snow load g exposed sur accordance Provide ader All plates are Refer to gird Provide mec bearing plate 9 and 48 lb u LOAD CASE(S) 	E 7-16; $Pr=100.0$ 1.15); $Pg=10.0$ p: OL = 1.15; $Ig=11.00; CL=1.10, Loverns. Rain suifaces with slopes.with IBC 1608.3quate drainage toe MT20 plates urer(s) for truss tothanical connectie capable of withuplift at joint 5.Standard$	psf (roof L sf; Pf=11.9 .0; Rough u=50-0-0; rcharge ap s less than 4. o prevent v less other truss conr on (by other standing 4	L: Lum DOL psf (Lum Do Cat B; Fully Min. flat roof plied to all 0.500/12 in vater pondin wise indicate ections. ers) of truss 8 lb uplift at	=1.15 OL = Exp.; f g. ed. to joint					
REACTIONS (FORCES TOP CHORD BOT CHORD WEBS	(size) 5=5-08, (r (min. 1-08 Max Horiz 9=72 (LC Max Uplift 5=-48 (LC Max Grav 5=2270 (L (lb) - Max. Comp./M (lb) or less except w (lb) or less except w (lb) or less except w (lb) or less except w (lb) - Max. Comp./M (lb) or less except w (l-9=-585/100, 2-3=- 3-11=-3341/389, 4-7 4-5=-2189/286 8-9=-439/3296, 7-8= 6-7=-419/341 4-6=-427/3624, 2-9= 3-6=-1491/268	min. 2-11), 9= Mechanical 3) 12) 13), 9=-48 (LC 13) LC 2), 9=2270 (LC 2) lax. Ten All forces 250 when shown. -3302/382, 11=-3341/389, =-419/3341, =-3601/427,	QR Link: How to	Read Engineer Dr	awings							

NOTES

1) Unbalanced roof live loads have been considered for this

Job	Truss	3	Truss Type		Qty	Ply	Lucy Quar	er Towr	home	s	
B2500281	R22		Flat Girder		1	2	Job Refere	nce (op	tional)		
Hiwassee Structu	ral Products, Chattano	ooga, TN 37404, Chase Th	omas	Run: 8.82 S Oct 31	2024 Print:	8.820 S Oct	31 2024 MiTel	Industrie	es, Inc.	Wed Mar 05 14	:02:17 Page: 1
	I				10.1	MIIIIIDIO	QUINGUN	nzggzu-c	y:q+i	pgivijXOnulioEn	
		5-11-09	/	17-09- 5-09-	00 13		/		5-11	-09	
		0 11 00	7×8	0.00			3v10		0 11	00	
	5x6		120				5210				4x4
		T1	¥			_	T2				
					/	\nearrow	\square	_			
20-1	W1	W2	W1		N2	N	1	W2		_	W1
3-03										\sim	
			L <u>B1</u>						B2 ∏_]		
											\bowtie
236	0 lb/-59 lb 2x4		4x8		5x6		2x4			2669	lb/-96 lb ^{4x4}
									JUS24		
	/		,				,				/
	/	5-11-09		5-09-1	13		/		5-11	-09	
Plate Offsets (>	K, Y): [2:4-00,4-08],	[4:Edge,3-08], [8:2-12	,1-12]								
Loading	(psf)	Spacing	2-00-00	CSI	DE	FL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pg)	100.0 11.9/10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC	0.43 Ver 0.52 Ver	t(LL) - t(CT) -	0.08 6-8 0.10 5-6	>999 >999	240 180	MT20	244/190
TCDL	20.0 0.0	Rep Stress Incr Code	NO IBC2021/TPI2014	WB Matrix-MS	0.78 Hor	z(CT)	0.02 5	n/a	n/a		
BCDL	10.0	Code	1002021/11/12014	Matix-Wo						Weight: 248	8 lb FT = 20%
LUMBER			4) Wind: ASCE	7-16; Vult=115mph (3-second	gust)	<u>QR Lin</u>	k: How to	Read	Engineer Draw	<u>vings</u>
TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1		Vasd=91mpl B=25ft; L=25	h; TCDL=6.0psf; BCD 5ft; eave=4ft; Cat. II; E	L=6.0psf; Exp B; Enc	h=25ft; losed;					
WEBS	2x4 SP No.3		MWFRS (dir cantilever let	ectional) and C-C Co ft and right exposed ;	rner (3) zo end vertic	one; al left and					
TOP CHORD	Structural wood sh	neathing directly applie	d or right expose reactions sho	d;C-C for members a own; Lumber DOL=1.	nd forces a 60 plate g	& MWFRS rip DOL=1	for .60				
BOT CHORD	Rigid ceiling direct	except end verticals. Iy applied or 10-0-0 oc	5) TCLL: ASCE	7-16: Pr=100.0 psf (roof LL: Lu	um DOL=1	.15				
REACTIONS (bracing.	(min 1-09) 9= Mecha	Plate DOL=1	I.15); Pg=10.0 psf; Pf OI = 1 15): Is=1 0: R	=11.9 psf	(Lum DOL B' Fully Fx	=				
	(min. 1-(Max Horiz, 9= 72 (I	(1111): 1-00), 0- Meeria (28) (29)	Ce=0.9; Cs=	1.00; Ct=1.10, Lu=50	-0-0; Min.	flat roof	P·,				
1	Max Uplift 5=-96 (L	.C 13), 9=-59 (LC 13)	exposed sur	faces with slopes less	s than 0.50	00/12 in					
FORCES	Max Grav 5=2669 (lb) - Max. Comp./l	(LC 2), 9=2360 (LC 2) Max. Ten All forces 2	6) Provide ade	quate drainage to pre	vent water	r ponding.					
TOP CHORD	(lb) or less except	when shown. 10=-3485/405.	 Refer to gird Provide med 	er(s) for truss to truss hanical connection (b	y others)	ons. of truss to					
	2-10=-3485/405, 2 4-5=-618/104	-3=-3485/405,	bearing plate 9 and 96 lb ເ	e capable of withstand uplift at joint 5.	ding 59 lb	uplift at joir	nt				
BOT CHORD	7-8=-471/3777, 6-7	7=-471/3777,	 Use MiTek J nails into Tru 	US24 (With 4-10d na uss) or equivalent at 1	ils into Gir 4-4-12 fro	der & 2-10 m the left e	d end				
WEBS	1-8=-443/3773, 2-8	-12=-471/3777 8=-1483/256, 3-8=-325	6/67, to connect tr	uss(es) R23 (1 ply 2x	6 SP) to fr	ront face of	F				
NOTES	3-6=0/445, 3-5=-40	J68/479	10) Fill all nail ho	bles where hanger is i	n contact	with lumbe	r.				
 2-ply truss nails as foll 	to be connected tog lows:	gether with 10d (0.131	(x3") LOAD CASE(S) 1) Dead + Sno	ow (balanced): Lumbe	er Increase	e=1.15, Pla	te				
Top chords 2x6 - 2 row	s connected as follows staggered at 9-00	ws: 2x4 - 1 row at 9-00) oc	oc, Increase=1 Uniform Loa	.15 ads (lb/ft)							
Bottom cho	ords connected as for	ollows: 2x6 - 2 rows	Vert: 1-4 Concentrate	=-64, 5-9=-20 ed Loads (lb)							
Web conne	ected as follows: 2x4	4 - 1 row at 9-00 oc.	Vert: 12=	-173							
except if no	e considered equal oted as front (F) or b	back (B) face in the LO	AD								
CASE(S) s provided to	ection. Ply to ply co distribute only load	nnections have been is noted as (F) or (B),	19 -5								
unless othe 3) Unbalance	erwise indicated. d roof live loads hav	ve been considered for	this								
design.											
				SU YOAD VE							

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R23	Flat Girder	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

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JUS24



Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code I	2-00-00 1.15 1.15 NO BC2021/TPI2014	CSI TC BC WB Matrix-MP	0.30 0.11 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 n/a	(loc) 3-4 3-4 -	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 Structural wood she 3-8-8 oc purlins. Rigid ceiling directly bracing. MiTek recommend required cross brac	eathing directly applied or y applied or 10-0-0 oc ls that Stabilizers and cing be installed during cordence with Stabilizer	 Use MiTek J nails into Tru to connect tr bottom choro Fill all nail ho Hanger(s) or provided suf down and 5/ design/selec responsibility LOAD CASE(5) Dead + Sno 	US24 (With 4-10 uss) or equivalen uss(es) R24 (1 p d. oles where hanger other connectio ficient to support 4 lb up at 3-2-4 c tion of such con tion of such con Standard ow (balanced): Li	Dd nails inf t at 1-8-12 bly 2x4 SP er is in cor n device (s concentra on bottom nection de umber Inc	o Girder & 2: from the lef to back fac tact with lun) shall be ted load(s) ⁻ chord. The vice(s) is the rease=1.15,	-10d it end e of nber. 120 lb e Plate					
REACTIONS	(size) 3=5-08, ((min. 1-00 Max Uplift 3=-85 (LC Max Grav. 3=585 (LC	min. 1-08), 4= Mechanica 8) C 9), 4=-47 (LC 9) C 2) 4=-09 (LC 2)	Increase=1 Uniform Loa I, Vert: 1-2 Concentrate Vert: 5=-	.15 ads (lb/ft) =-64, 3-4=-20 ed Loads (lb) 76, 6=-82								
FORCES WEBS NOTES 1) Wind: AS Vasd=911 B=25ft; L: MWFRS cantilever right expo reactions	(b) - Max. Comp./N (b) or less except w 1-4=-410/112, 2-3= CE 7-16; Vult=115mp mph; TCDL=6.0psf; Bd =25ft; eave=4ft; Cat. II (directional) and C-C 0 eleft and right exposed osed;C-C for members shown; Lumber DOL=	lax. Ten All forces 250 when shown. -410/112 h (3-second gust) CDL=6.0psf; h=25ft; l; Exp B; Enclosed; Corner (3) zone; d; end vertical left and and forces & MWFRS foi =1.60 plate grip DOL=1.60	QR Link: How to	Read Engineer Dr	awings							
 TCLL: AS Plate DOI 1.15 Plate Ce=0.9; C snow load exposed s accordan; Provide a 	CE 7-16; Pr=100.0 ps L=1.15); Pg=10.0 psf; a DOL = 1.15); Is=1.0; Cs=1.00; Ct=1.10, Lu= d governs. Rain surch surfaces with slopes le ce with IBC 1608.3.4. dequate drainage to p	sf (roof LL: Lum DOL=1.15 Pf=11.9 psf (Lum DOL = Rough Cat B; Fully Exp.; 50-0-0; Min. flat roof large applied to all ess than 0.500/12 in prevent water ponding.	5									

- 4) Refer to girder(s) for truss to truss connections.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4 and 85 lb uplift at joint 3.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	R24	Flat	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:voaneoAaYad?FXBsaMAt8_zefj7-b37aV5rwuKn_0CR5DmK7HziUApdM8Yp7?MZkBtzdz4L





											·	
Loading	(psf)	Spacing	2-00-00	CSI	0.44	DEFL	in 	(loc)	l/defl	L/d	PLATES	GRIP
	20.0	Plate Grip DOL	1.15		0.14	Vert(LL)	n/a	-	n/a	999	IVI I 20	244/190
Show (PI/Pg)	11.9/10.0		1.15		0.05		0.00	3-4	>999	160		
	10.0	Rep Stress Incr			0.03	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/1P12014	Matrix-MP							Maight 04 lb	FT - 200/
BCDL	10.0										weight: 24 lb	F1 = 20%
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SP No.1											
BOT CHORD	2x4 SP No.1			9209-57 E								
WEBS	2x4 SP No.3		100 B									
BRACING			172-22									
TOP CHORD	Structural wood she	eathing directly applied or	19-0-23	20 B. B.								
	3-3-8 oc purlins, ex	cept end verticals.	201002	3-3-4-6								
BOT CHORD	Rigid ceiling directly	/ applied or 10-0-0 oc		- 10 A C C								
	bracing.			1077-20								
	MiTek recommend	s that Stabilizers and		61 A 28 5								
	truce cross brac	cing be installed during										
	Installation guide.		QR Link: How to	Read Engineer Draw	<u>vings</u>							
DEACTIONS	(
REACTIONS	(SIZE) 3=5-08, (I (min_1_08	min. 1-08), 4= Mechanica	al,									
	Max Horiz 4=-76 (LC	5) 2 9)										
	Max Uplift 3=-46 (LC	C 10), 4=-46 (LC 9)										
	Max Grav 3=134 (L0	C 22), 4=134 (LC 23)										
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250										
NOTES	(ib) of less except w	men snown.										
1) Unbalance	ed roof live loads have	been considered for this	2									
design.			5									
2) Wind: ASC	CE 7-16; Vult=115mpl	h (3-second gust)										
Vasd=91m	nph; TCDL=6.0psf; BC	CDL=6.0psf; h=25ft;										
B=25ft; L=	25ft; eave=4ft; Cat. II	; Exp B; Enclosed;										
MWFRS (directional) and C-C (Corner (3) zone;										
right expo	sed C_C for members	and forces & MW/ERS for	nr.									
reactions	shown: Lumber DOL=	1.60 plate grip DOL=1.6	0									
	, -	51 51										
3) TCLL: AS	CE 7-16; Pr=20.0 psf	(roof LL: Lum DOL=1.15										
Plate DOL	=1.15); Pg=10.0 psf;	Pf=11.9 psf (Lum DOL =										
1.15 Plate	DOL = 1.15; $IS=1.0$;	Rough Cat B; Fully Exp.	,									
snow load	aoverns Rain surch	arge applied to all										
exposed s	urfaces with slopes le	ess than 0.500/12 in										
accordanc	e with IBC 1608.3.4.											
4) Provide ad	lequate drainage to p	revent water ponding.										
5) Refer to gi	rder(s) for truss to tru	ss connections.										
6) Provide m	echanical connection	(by others) of truss to										
bearing pla	ate capable of withsta	anding 46 lb uplift at joint										
4 and 46 l	o upiit at joint 3.											

Job		Truss		Truss	Туре		Qty	P	Ŋ	Lucy Quart	er Tow	nhomes	3	
B2500281		RA01		Flat			2	1		Job Refere	nce (op	tional)		
Hiwassee Structura	al Products, C	hattanoo	ga, TN 37404, Chase Th	iomas		Run: 8.82 S Oct 31	2024 Pr	int: 8.82 ID:vxm	20 S Oct 3 Pal1C oc	81 2024 MiTek u88DolYEG0	t Industri dzhDt3-il	es, Inc. \ t3finPa6	Wed Mar 05 14:02 HYYb8K_wGB67	2:17 Page: 1 XeLC6XCaeX4lbX26zdz4P
	I.											toijin qo		
	<u> </u>		5-03-00		5-01	-04	8	5-0	01-04	/		5	-03-00	
	1													,
				Ev	<i>i</i> e	7.0						10		
	M184	AHS 8x10	0	5X	0	7.8				MIT		10		M18AHS 5x8
					T1	Ť					T1			
00-00	W1		W2	W3-	W2	W3		W2		W 3		W2		W1
5-0					B1						B2		[
X	\boxtimes					A								
26	M18AI 654 lb/-56 lb	HS 5x8	Ν	118AHS	8x10	M18AHS 8	x10			5x6			0 2654 Ib/	118AHS 5x12 /-56 lb
Camber = 1/8 in	<i></i>		5-03-00		5_01	-04		5_0	1_04			5	-03-00	/
	<u> </u>	4 001 1	1-2-04-4-001 [E:Edua	0.001	[0:0.00 Educit [-0-		0-0	51-04				-03-00	
Plate Offsets (X,	, Y): [3:3-04,	,4-08], [4	4:3-04,4-00], [5:Edge	,3-08], 	[9:2-08,Edge], [*	10:3-04,4-00]							i	
Loading TCLL (roof)	1	(psf) 00.0	Spacing Plate Grip DOL		2-00-00 1.15	CSI TC	0.77	DEFL Vert(Ll	L) -0	in (loc) .47 8	l/defl >521	L/d 240	PLATES M18AHS	GRIP 186/179
Snow (Pf/Pg)	11.9/	/10.0	Lumber DOL		1.15	BC	0.62	Vert(C	T) -0	.61 8	>401	180	MT20	244/190
BCLL		20.0 0.0	Code	IBC	2021/TPI2014	Matrix-MS	0.08	Horz(C	J) (.08 6	n/a	n/a		
BCDL		10.0											Weight: 134 I	b FT = 20%
				2	2) Wind: ASCE	7-16; Vult=115mph	(3-seco	nd gus	st) 25ft					
BOT CHORD 2	2x6 SP No.1 2x6 SP 2400)F 2.0E			B=25ft; L=25	ft; eave=4ft; Cat. II; I	Exp B; E	Enclos	ed;					
WEBS 2	2x4 SP 2400 No.1, W3:2x	0F 2.0E 4 SP No	*Except* W1:2x4 SP p.3		cantilever lef	t and right exposed ;	end ve) zone rtical l	; eft and					
	Structurel	and aha	athing directly applie	dor	right exposed reactions sho	d;C-C for members a own; Lumber DOL=1	nd forc .60 plat	es & N e grip	/WFRS 1 DOL=1.0	or 60				
	2-0-11 oc pu	urlins, e	except end verticals.	u 01	3) TCLL: ASCE	7-16; Pr=100.0 psf	roof LL	: Lum	DOL=1.	15				
BOT CHORD	Rigid ceiling bracing.	directly	applied or 10-0-0 oc	;	Plate DOL=1	.15); Pg=10.0 psf; P	f=11.9 p	osf (Lu ≿at B∙ F	im DOL : Fully Exc	=				
WEBS	1 Row at mi MiTek recor	dpt mmends	4-6 s that Stabilizers and		Ce=0.9; Cs=	1.00; Ct=1.10, Lu=50)-0-0; N	lin. flat	t roof	.,				
	required cro	oss brac	ing be installed durin	ig	exposed surf	aces with slopes les	s than (0.500/1	12 in					
	Installation	guide.		1201	4) Provide adec	uate drainage to pre	vent wa	ater po	onding.					
REACTIONS (s	size) 6=	=5-08, (r	min. 2-03), 11=5-08, ((min. 🖁	 All plates are Provide mecl 	MT20 plates unless hanical connection (l	otherw by other	rise inc rs) of ti	dicated. russ to					
М	lax Horiz 11	l=-39 (L	C 9)		bearing plate 11 and 56 lb	capable of withstan uplift at joint 6.	ding 56	lb upli	ift at join	t				
M	lax Uplift 6= lax Grav 6=	=-56 (LC =2654 (L	: 13), 11=-56 (LC 13) _C 2), 11=2654 (LC 2	2) 1	LOAD CASE(S)	Standard								
FORCES ((lb) - Max. C	omp./M	ax. Ten All forces 2	250		986762/101								
TOP CHORD	1-11=-2509/2	278, 1-2	2=-6586/659,		- A.S.									
2	2-12=-8719/ 3-13=-6589/	000, 3-1 660, 4-1	12=-8719/860, 13=-6589/660,		1974									
4 BOT CHORD 1	4-5=-286/51 10-11=-81/2	, 5-6=-5 92, 9-10	94/88)=-688/6586,		- 2 22									
8 F	8-9=-688/65 6-7=-670/65	86, 7-8= 89	-889/8719,		1998									
WEBS 4	4-6=-6587/6	55, 2-10)=-1913/270, 3=-228/2230			ST WARTE								
	3-8=-529/12	2, 3-7=-	2227/228, 4-7=0/646	i	<u>QR Link: How to</u>	Read Engineer Drawin	<u>gs</u>							
NUTES														

Job		Truss		Truss T	/pe		Qty	T	Ply	Lucy Q	uarter	Town	homes	3	
B2500281		RA02		Flat			2		1	Job Re	ference	e (opt	ional)		
Hiwassee Structural I	Products, Ch	attanoog	a, TN 37404, Chase The	omas		Run: 8.82 S Oct 31	2024 F	Print: 8. ID:Xw	.820 S Oct vKR4P8LitE	31 2024 N 30QAHacn	liTek Ind Rhhkzh	dustrie DvV-il	s, Inc. \ t3fjnPa	Ved Mar 05 14:02:1 6HYYb8K_wGB67X	7 Page: 1 feC0vCaoX4lbX26zdz4P
	I						0		.,				., ,		
			5-03-00		5-01	-04	8	5	-01-04		-/		5.	-03-00	
															'
				5×6		7×8					M184F	45 8v1	0		
	M18A	AHS 8x10	J	0,0							WITO, a		0	N	118AHS 5x8
					T1	Ť						T1			
00-1	W1		W2	W3	W2	W3		W2			W 3 -		W2		W1
, '				В	1							B2			
	\bigotimes					A									¥
265	M18AF 54 lb/-56 lb	IS 5x8	М	18AHS 8>	(10	M18AHS 8	x10				5x6			M18 2654 lb/-5	AHS 5x12
Camber = 1/8 in	<i> </i>		5-03-00		5-01	-04		5	-01-04				5.	-03-00	—/
Plate Offsets (X, Y	(); [3:3-04.4	4-081. [4	1:3-04.4-001. [5:Edge.	.3-081. [9	:2-08.5-04]. [1	0:3-04.4-001									
		nof)	Spacing		2 00 00			DEE				/dofl	L/d		CRIP
TCLL (roof)	10	00.0	Plate Grip DOL		1.15	TC	0.75	Vert(LL) -().46	8 >	-536	240	M18AHS	186/179
Snow (Pf/Pg) TCDL	11.9/ ⁻ 2	10.0 20.0	Lumber DOL Rep Stress Incr		1.15 YES	BC WB	0.98 0.67	Vert(Horz	(CT) -0 (CT) ().59).09	8 > 6	•412 n/a	180 n/a	MT20	244/190
BCLL BCDL	,	0.0 10.0	Code	IBC2	021/TPI2014	Matrix-MS								Weight: 135 lb	FT = 20%
						7.40.16.14-445	(2								
TOP CHORD 2x	6 SP No.1			۷)	Vasd=91mph	; TCDL=6.0psf; BCI	(3-sec)L=6.0)psf; h	ust) 1=25ft;						
BOT CHORD 2x WEBS 2x	6 SP No.1 4 SP 2400	*Excep F 2.0E '	t* B2:2x6 SP 2400F : *Except* W1:2x4 SP	2.0E	B=25ft; L=25 MWFRS (dire	ft; eave=4ft; Cat. II; E ectional) and C-C Co	=xp B; orner (; Enclo 3) zon	osed; ie;						
No	o.1, W3:2x4	4 SP No	0.3		cantilever lef	t and right exposed ; l;C-C for members a	end v nd for	ertical	l left and MWFRS	for					
TOP CHORD St	tructural wo	od shea	athing directly applied	d or	reactions sho	own; Lumber DOL=1	.60 pla	ate gri	p DOL=1.	60					
BOT CHORD Ri	igid ceiling	directly	applied or 10-0-0 oc	3)	TCLL: ASCE	7-16; Pr=100.0 psf ((roof L f=11 9	L: Lur) psf (l	n DOL=1. um DOI	15 =					
bra 2-2	acing, Exe 2-0 oc brac	cept: cing: 8-1	10.		1.15 Plate D	DL = 1.15; $Is=1.0$; R 1.00: Ct=1.10 Lu=5(ough	Cat B	; Fully Exp	o.;					
WEBS 11	Row at mid	<u>lpt 4</u> nmends	4-6 that Stabilizers and		snow load go	overns. Rain surchar	ge ap	plied t	to all						
re	equired cros	ss braci	ing be installed during	g lu	accordance v	with IBC 1608.3.4.	s man	0.500	, 12 IN						
In	nstallation g	guide.		2er 4) 5)	All plates are	MT20 plates unless	other	vater p wise i	ponding. ndicated.						
REACTIONS (size	e) 6=	5-08, (n	nin. 2-03), 11=5-08, (min. ⁶⁾	Provide mecl bearing plate	nanical connection (t capable of withstan	by othe ding 5	ers) of 6 lb u	f truss to plift at join	ıt					
Max	3-0 x Horiz 11:)2) =-40 (L(C 9)	10	11 and 56 lb	uplift at joint 6. Standard									
Max Max	x Uplift_6≕ x Grav_6≕	-56 (LC 2654 (L	13), 11=-56 (LC 13) C 2), 11=2654 (LC 2)											
FORCES (lb) - Max. Co	omp./Ma	ax. Ten All forces 2	50		资源具									
TOP CHORD 1-	11=-2525/2	280, 1-2	=-6451/646,		12:22										
2-2 3-2	12=-8536/8 13=-6435/6	842, 3-1 845, 4-1	2=-8536/842, 3=-6435/645,		2 4 1 S	記録									
4-5 BOT CHORD 10	5=-269/50,)-11=-79/26	5-6=-58 8, 9-10	39/88 =-676/6451,												
8-9	9=-676/645 7=-656/643	51, 7-8= 35	-871/8536,			野殺兵									
WEBS 4-6	6=-6459/64	2, 2-10	=-1910/270, =-224/2184	<u>Q</u>	R Link: How to	Read Engineer Drawin	<u>gs</u>								
3-8	8=-526/122	2, 3-7=-2	2201/226, 4-7=0/650												
NULES															

Job		Truss		Truss	Туре		Qty		Ply	Lucy C	Quarter	Town	homes		
B2500281		RA03		Flat			2		1	Job Re	eferenc	ce (opti	ional)		
Hiwassee Structura	al Products, C	hattanoog	ga, TN 37404, Chase Th	omas		Run: 8.82 S Oct 3	1 2024	Print: 8.	.820 S Oct 3	31 2024 I	MiTek Ir	ndustrie	s, Inc. V	Ved Mar 05 14:02:	17 Page: 1
	1							ID. (oupii920B3	IIZKSUAC	IYWEX2I	iDv0-iit	зіјпецо		
	-		5-03-00		5-01	20-08-0	08	5	-01-04		_/		5-	03-00	
	I							-					-		I
	M18	AHS 8x10	D	5x6	3	7x8					M18A	HS 8x1	0	Ν	118AHS 5x8
\mathbf{r}	F				T1]					T1 ך			
-02	W1		W2	W3		W3-		W2			W3-	5	W2		W1
2-01												D 0			
	X]]			81							B2			
	M18A	J .HS 5x8	N	118AHS	8x10	M18AHS	3x10				5x6			M18	SAHS 5x12
2	2654 lb/-56 lb													2654 lb/-5	6 lb
Camber = 1/8 in	<i>—</i>		5-03-00		5-01	-04		5	-01-04		_/		5-	03-00	—/
Plate Offsets (X,	, Y): [3:3-08	,4-08], [4	4:3-04,4-00], [5:Edge	,3-08], [9:2-08,5-04], [1	0:3-04,4-00]									
Loading		(psf)	Spacing	-	2-00-00	CSI		DEF		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	1 11 Q	00.0 /10.0	Plate Grip DOL		1.15 1.15	TC	0.72	Vert(LL) -0).44	8	>562	240 180	M18AHS	186/179 244/190
TCDL	11.5	20.0	Rep Stress Incr		YES	WB	0.66	Horz	(CT) C).08	6	n/a	n/a	101120	244/190
BCLL BCDL		0.0 10.0	Code	IBC	2021/TPI2014	Matrix-MS								Weight: 135 lb	FT = 20%
) Wind: ASCE	7 16: \/ult=115mph	(3 60)		uet)	-					
TOP CHORD	2x6 SP No.1	l		Z	Vasd=91mpl	n; TCDL=6.0psf; BC	DL=6.	0psf; h	=25ft;						
BOT CHORD 2 WEBS 2	2x6 SP No.1 2x4 SP 2400	F 2.0E	t* B2:2x6 SP 2400F∶ *Except* W1:2x4 SP	2.0E	B=25π; L=25 MWFRS (dir	ectional) and C-C C	Exp В orner (; Encio (3) zon	osea; ie;						
PRACINIC	No.1, W3:2x	4 SP No	b.3		cantilever lef right expose	t and right exposed d;C-C for members a	; end \ and foi	vertica rces &	I left and MWFRS	for					
TOP CHORD	Structural w	ood she	athing directly applied	d or	reactions she	own; Lumber DOL=1	l.60 pl	ate gri	p DOL=1.	60					
BOT CHORD	2-2-0 oc pur Rigid ceiling	lins, exo ∣directly	cept end verticals. applied or 10-0-0 oc	3) TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lur	n DOL=1.	15					
	bracing, Ex	cept:	10		1.15 Plate D	OL = 1.15; $Is=1.0$; $Is=1.0$; I	Rough	Cat B	; Fully Exp	– D.;					
WEBS	1 Row at mi	dpt 4	4-6		Ce=0.9; Cs= snow load ge	0.00; Ct=1.10, Lu=5 overns. Rain surcha	0-0-0; irge ap	Min. fl pplied t	at roof to all						
	required cro	mmends oss braci	ing be installed during	g	exposed sur accordance	faces with slopes les with IBC 1608.3.4.	s thar	n 0.500)/12 in						
	truss erection	on, in ac quide.	cordance with Stabili	zer 4) Provide ade	uate drainage to pro	event	water p	oonding.						
REACTIONS (s	size) 6=	= =5-08, (n	nin. 2-03), 11=5-08, (min. 6) Provide mec	hanical connection (by oth	ers) of	truss to						
M	-3 Ax Horiz 11	02)	C 9)		11 and 56 lb	uplift at joint 6.	aing t	ן אם מו	plift at join	t					
M	lax Uplift 6=	56 (LC	13), 11=-56 (LC 13)	, L	OAD CASE(S)	Standard									
FORCES (iax Grav 6= (lb) - Max. C	-∠o54 (L omp./Ma	.⊂ ∠), 11=2654 (LC 2 ax. Ten All forces 2) :50	回版的										
TOP CHORD	(lb) or less e	xcept wi	hen shown. =-6302/632		19.5	11 A A A A A A A A A A A A A A A A A A									
	2-12=-8332/	822, 3-1	2=-8332/822,												
	3-13=-028// 4-5=-252/49	031, 4-1 , 5-6=-58	30∠07/031, 85/88		10 A										
BOT CHORD	10-11=-79/2 8-9=-663/63	51, 9-10 02, 7-8=	=-663/6302, 852/8332,												
WEBS	6-7=-642/62 4-6=-6336/6	87 31 2-10	=-1914/271												
	1-10=-634/6	353, 2-8	=-219/2131,		QR Link: How to	Read Engineer Drawii	<u>ngs</u>								
NOTES	J-0J20/12	2, 3-1=-2	2 141122 I, 4-1=U/054												

Job		Truss		Truss T	уре		Qty	Ply	Lucy Q	uarter Tov	vnhome	6	
B2500281		RA04		Flat			2	1	Job Re	ference (o	ptional)		
Hiwassee Struct	ural Products, C	hattanoog	a, TN 37404, Chase Tho	omas		Run: 8.82 S Oct 3	1 2024 F	Print: 8.820 S Oc	ct 31 2024 N	liTek Indust	ries, Inc.	Wed Mar 05 14:02:1	7 Page: 1
								ID: IISBV5AcFU	JRKGTRCJC	I 9n9zhDv I -	ilt3tjnPq6	HYYD8K_WGB6/X	JRC1rCbHX4lbX26zdz4P
	<u>_</u>		5.03.00		5.01	20-08-0	08	5 01 04		/	5	03.00	_
			5-05-00		5-01	-04		5-01-04			0.	-03-00	
	M18	BAHS 8x1	0	5x6		7x8				M18AHS 8	×10	Μ	18AHS 5x8
7					T1	Ā	1			T1			_
10	W/1		Lare	W3	10.00	W3		1810-			VA10	\boxtimes	
2-01-		1			VV2						VZ		
				E	31					B2			
	Ŕ					~							
	M184 2654 lb/-56 lb	AHS 5x8	N	/18AHS 8	x10	M18AHS	8x10			5x6		M18 2654 lb/-56	AHS 5x12
Camber = 1/8 in	-		5-03-00		5-01	-04		5-01-04		/	5.	-03-00	/
Plata Offecte ()	V V). [3·3 08	1 091 [/	1:3 08 4 00] [5:Edgo	3 081 10	·2 12 5 041 [1(
	A, T). [5.5-00	,4-00], [-	i.o-00,4-00], [o.∟uge,	,3-00 <u>]</u> , [9	.2-12,3-04], [10	.3-08,4-00]					-		
Loading TCLL (roof)	1	(psf) 100.0	Spacing Plate Grip DOL		2-00-00 1.15	CSI TC	0.70	DEFL Vert(LL)	in (l -0.42	oc) l/def 8 >588	1 L/d 3 240	M18AHS	GRIP 186/179
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL Rep Stress Incr		1.15 VES	BC WB	0.92	Vert(CT)	-0.54	8 >452	2 180	MT20	244/190
BCLL		0.0	Code	IBC2	021/TPI2014	Matrix-MS	0.04	1012(01)	0.00	0 17	a 11/a		
BCDL		10.0		-		<u>-</u>					-	Weight: 135 lb	FT = 20%
	DVG SD No 1	1		2)	Wind: ASCE	7-16; Vult=115mph	(3-sec	ond gust) Insf: h=25ft					
BOT CHORD	2x6 SP No.1	1 *Excep	t* B2:2x6 SP 2400F 2	2.0E	B=25ft; L=25	ft; eave=4ft; Cat. II;	Exp B;	Enclosed;					
WEBS	2x4 SP 2400 No.1, W3:2x	0F 2.0E (4 SP No	*Except* W1:2x4 SP 0.3		cantilever left	and right exposed	; end v	ertical left and	ł				
	Structural w	and sha	athing directly applied	dor	right exposed reactions sho	l;C-C for members a wn; Lumber DOL=1	and for I.60 pla	ces & MWFR ate grip DOL=	S for 1.60				
	2-2-0 oc pur	rlins, exe	cept end verticals.	3)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lum DOL=	1.15				
BOICHORD	bracing, Ex	cept:	applied or 10-0-0 oc		Plate DOL=1	.15); Pg=10.0 psf; F	rf=11.9 Rough	psf (Lum DO Cat B: Fully F	L=				
WEBS	2-2-0 oc bra <u>1 Row at mi</u>	idpt 4	10. 4-6		Ce=0.9; Cs=	1.00; Ct=1.10, Lu=5	0-0-0;	Min. flat roof					
	MiTek reco	mmends	that Stabilizers and	_	exposed surf	aces with slopes les	s than	0.500/12 in					
	truss erection	on, in ac	cordance with Stabiliz	zer 4)	Accordance v Provide adeq	uate drainage to pr	event v	vater ponding					
DEACTIONS		guide.		5) 	All plates are Provide mech	MT20 plates unless nanical connection (s other by othe	wise indicated ers) of truss to	i.)				
REACTIONS	(size) 6= 3-	=5-08, (n ∙02)	nin. 2-03), 11=5-08, (i	min.	bearing plate	capable of withstar	nding 5	6 lb uplift at jo	pint				
	Max Horiz 11 Max Uplift 6=	1=-43 (L0 =-56 (LC	C 9) 13), 11=-56 (LC 13)	LC	AD CASE(S)	Standard							
500050	Max Grav 6=	=2654 (L	C 2), 11=2654 (LC 2))	Fills /e	SS:CENTER SC:SS							
	(lb) - Max. C (lb) or less e	except wi	ax. Ten All forces 2 nen shown.	50	14.5								
TOP CHORD	1-11=-2532/ 2-12=-8137/	'281, 1-2 '803, 3-1	=-6160/618, 2=-8137/803,		1936								
	3-13=-6146/	618, 4-1	3=-6146/618,		200 C								
BOT CHORD	9-10=-650/6	160, 8-9	=-650/6160,		L COM								
WEBS	4-6=-6219/6	19, 2-10	=-1918/271,		$\Box 23$	0142675							
	1-10=-622/6 3-8=-526/12	234, 2-8 2, 3-7=-2	=-214/2081, 2096/216, 4-7=0/658	<u>Q</u>	R Link: How to I	Read Engineer Drawii	<u>ngs</u>						
NOTES	d roof live !			41-1-									

loh		Truce		Truce T	(00			04.7		Dhy		110-4	or Tour	bome	<u>.</u>	
		nuss		Truss Ty	he					r-ıy ₄		uart		nome	,	
B2500281		RA05		Flat				2		1	Job Re	fere	nce (op	tional)		
Hiwassee Structu	iral Products, C	hattanoog	ja, TN 37404, Chase Th	iomas		Run: 8.82	S Oct 31	2024 F	Print: 8.	820 S Oct	31 2024 N	/iTek	Industrie	es, Inc. \ t2finDa	Wed Mar 05 14:02:1	7 Page: 1
	<u>}</u>		5-03-00		5-0	1-04	<u>20-08-0</u>	8	5-	-01-04			20048-0	5-	03-00	
	2x-	4		M18AHS 5	ix8	5x6	4x4					3x8			5)	x12
2-02-02	₩ ₩		Øw2	W1 B	1		W1			₩2		T2	B2		W2	
	M1	SAHS 5v8	8	4×4			MT18HS	12v16				5	v12			
Camber = 1/8 in	<i>/</i>		5-03-00	/	5-01	1-04			5-	-01-04				5-	03-00	
Plate Offsets ()	K, Y): [2:3-00	,2-08], [5	5:3-08,1-08], [7:Edge	e, 3-08] , [8:	3-08,2-08], [1	0:5-12,Edge	e], [12:2-1	12,2-1	2]							
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	1 11.9	(psf) 00.0 /10.0 20.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	IBC20	2-00-00 1.15 1.15 YES 021/TPI2014	CSI TC BC WB Matrix-MS		0.68 0.54 0.67	DEFI Vert(Vert(Horz	L LL) -(CT) -((CT) (in (l).40).51).07	oc) 9 9 7	l/defl >619 >476 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS MT18HS	GRIP 244/190 186/179 244/190
BCDL		10.0													Weight: 136 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP 2400 2x4 SP No.3 2.0E Structural w 2-2-0 oc pur Rigid ceiling bracing. <u>1 Row at mi</u> MiTek reco required cru truss erectii Installation	DF 2.0E *Excep ood sheatins. directly dpt 2 mmends oos brac oon, in ac guide.	t* W2:2x4 SP 2400F athing directly applie applied or 10-0-0 oc 2-12 that Stabilizers and ing be installed durin cordance with Stabil	2) d or 3) 4) 5) g izer LO	TCLL: ASCE Plate DOL= 1.15 Plate D Ce=0.9; Cs= snow load g exposed sur accordance Provide ade All plates are Provide met bearing plate 7 and 56 b i AD CASE(S)	7-16; Pr=11 1.15); Pg=10 OL = 1.15); 1.00; Ct=1.1 overns. Rain faces with sla with IBC 160 quate draina e MT20 plate thanical com e capable of uplift at joint Standard	00.0 psf (.0 psf; Pf ls=1.0; R 0, Lu=5C n surchar opes less 18.3.4. ge to pre- unless nection (b withstand 12.	(roof L f=11.9 cough 0-0-0; rge ap s than event v other by othe ding 5	L: Lur) psf (L Cat B; Min. fl plied t 0.500 water p wise ir ers) of 6 lb up	n DOL=1. .um DOL ; Fully Ex; at roof o all //12 in bonding. ndicated. 'truss to obift at join	15 = p.;					
REACTIONS	(size) 7= 2- Max Uplift 7=	=5-08, (n 03) =-56 (LC	nin. 2-03), 12=5-08, (13), 12=-56 (LC 13)	(min.			Ê									
FORCES	Max Grav 7= (lb) - Max. C (lb) or less e 2-3=-6063/5	=2654 (L omp./Ma xcept wl 95, 3-4=	C 2), 12=2654 (LC 2 ax. Ten All forces 2 nen shown. -6063/595,	?) 250			Sector 1									
BOT CHORD WEBS NOTES	4-13=-7913/ 5-6=-6060/5 11-12=-595/ 9-10=-777/7 1-12=-522/7 2-12=-6397/ 5-8=-1977/2 5-9=-192/19	777, 5-1 95 6063, 10 913, 8-9 9, 6-7=-2 628, 4-9 75, 6-8= 56, 4-11	3=-7913/777, -11=-777/7913, -595/6060 2562/279, 2-11=0/68 -520/17, -628/6393, =-1952/192	<u>Q</u> 1 2,	R Link: How to	<u>Read Engine</u>	er Drawin <u>,</u>	<u>gs</u>								
1) Wind: ASC Vasd=91m	E 7-16; Vult= ph; TCDL=6.0	115mph 0psf; BC	(3-second gust) DL=6.0psf; h=25ft;													

Job	Trus	SS	Truss Type		Qty	I	Ply	Lucy Quar	er Town	homes	3	
B2500281	RA	06	Flat		2	ŀ	1	Job Refere	nce (op	tional)		
Hiwassee Structu	ural Products, Chattan	nooga, TN 37404, Chase Tl	nomas	Run: 8.82 S O	ct 31 2024 I	Print: 8.8	320 S Oct 3	31 2024 MiTel	Industrie	es, Inc. \	Wed Mar 05 14:02:1	7 Page: 1
	1				11	Japom	IOEIVIIKBU(Jruivi4Sa∠UG	ι∠n∪vN-ll	i sijnPq6	WGB67X	y201 y0a1 X4IDX26ZdZ4P
	,	5.03.00	/ 11	20-0	98-08	5.0	13.00			5.	03.00	\rightarrow
		5-05-00	4-11	-00		5-0	J3-00			5-0	03-00	
	2x4		M18AHS 5x8	7:	x8			3x8			5>	(12
٢			T1	¥	<u> </u>				Т2			
9	W1	Aug	W1	W	/1		LAP9	W1			WD	W/1
2-02-		¥112		112 1			112				VIZ	
			B1						B2			
	Ŕ			A								Ŕ
	M18AHS 2654 lb/-56 lb	5x8	4x4	MT1	8HS 12x16	6		5	5x12		2654 lb/-56	4x4 ib
Camber = 1/8 in	/	5 02 00		1.04	/		04.04	/			02.00	<i>—</i> /
		5-03-00	5-01	1-04		5-0	01-04			5-0	03-00	
Plate Offsets ()	X, Y): [2:3-04,2-08], [3:4-00,4-08], [4:3-08	,1-08], [6:Edge,3-08], [7	7:3-08,2-08], [9:5-	-12,Edge],	[11:3-0	04,2-08]					
Loading	(psf)	Spacing	2-00-00	CSI	0.66	DEFL	- 	in (loc)	l/defl	L/d	PLATES	GRIP
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.66	Vert(L	_L) -0 CT) -0	.30 0 .49 8	>646 >498	240 180	M120 M18AHS	186/179
TCDL	20.0	Rep Stress Incr	YES	WB Matrix-MS	0.65	Horz(CT) 0	.07 6	n/a	n/a	MT18HS	244/190
BCDL	10.0	Code	1002021/1112014	Wattra-Wio							Weight: 136 lb	FT = 20%
LUMBER		•	2) TCLL: ASCE	E 7-16; Pr=100.0	psf (roof L	L: Lum	n DOL=1.	15	-			
TOP CHORD	2x6 SP No.1		Plate DOL=	1.15); Pg=10.0 ps	sf; Pf=11.9) psf (Li	um DOL :	=				
BOT CHORD WEBS	2x6 SP 2400F 2.0 2x4 SP No.3 *Exc	0E cept* W2:2x4 SP 2400F	Ce=0.9; Cs=	CL = 1.15), $RS = 1.$	u=50-0-0;	Min. fla	at roof	·.,				
DRACING	2.0E		snow load g exposed sur	overns. Rain sur faces with slopes	charge ap less than	plied to 0.500/	o all /12 in					
TOP CHORD	Structural wood s	sheathing directly applie	ed or 3) Provide ade	with IBC 1608.3.4	4. nrevent v	vater n	ondina					
BOT CHORD	2-2-0 oc purlins. Rigid ceiling direct	ctlv applied or 10-0-0 o	4) All plates are	e MT20 plates un	less other	wise in	idicated.					
WERS	bracing.	2-11	 Provide mec bearing plate 	nanical connection capable of withs	on (by oth standing 5	ers) of i6 lb up	truss to lift at join	t				
**=00	MiTek recomme	nds that Stabilizers and		uplift at joint 11. Standard	-							
	required cross be	racing be installed durin		Stanuaru								
	Installation guide	e.										
REACTIONS	(size) 6=5-08	, (min. 2-03), 11=5-08,	(min.									
I	2-03) Max Uplift 6=-56 ((LC 13), 11=-56 (LC 13		336								
FORCES	Max Grav 6=2654	4 (LC 2), 11=2654 (LC 2)	2) 250	<u> 100 - 20</u>								
	(lb) or less excep	t when shown.		的新聞								
FOP CHORD	2-12=-5916/580, 3-13=-7695/753,	3-12=-5916/580, 4-13=-7695/753,		Read Engineer Dro	awings							
BOT CHORD	4-5=-5936/583	9-10=-762/7737	Set Link. How to	nead Engineer Die	anniyə							
	8-9=-762/7737, 7	-8=-583/5936	6070									
WEB2	2-10=0/705, 2-11	=-2563/280, 5-7=-617/ =-6257/613,	0∠1Ŏ,									
	3-10=-1932/193, 4-8=-179/1861 4	3-8=-502/115, -7=-1984/276										
NOTES												
1) Wind: ASC Vasd=91m	E 7-16; Vult=115n ph; TCDL=6.0psf;	nph (3-second gust) BCDL=6.0psf; h=25ft;										
D=2511; L=2	zon; eave=4n; Cat	. II, EXP D; Enclosed;										

MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

loh		Truce	<u> </u>				0+		Dly	Luov	Quarta	r Town	homes		
		TIUSS		nuss typ					Piy	Lucy	Quarte	riown	nomes	•	
в2500281		RA07		Flat			2		1	Job R	leferen	ce (opt	ional)		
Hiwassee Structu	ral Products, C	hattanoog	ga, TN 37404, Chase Tho	mas	F	Run: 8.82 S Oc	t 31 2024	Print: 8	3.820 S Oc	t 31 2024	MiTek I	ndustrie	s, Inc. V	Ved Mar 05 14:02:1	7 Page: 1
								ID	:eQdLpsIV	/ftpAUAnJ	t09kjTzł	nDvI-ilt3	fjnPq6H	IYYb8K_wGB67XgI	DC8GCbHX4lbX26zdz4P
						20-0	08-08								
	t t		5-03-00	/	4-11-08	209	000	5	-03-00		/		5-0)3-00	7
	1														1
	2x	(4	1	/18AHS 5x	(8	7>	(8				4x4			5x	12
						M									
	Г			Т	1							T2			
-02	W1		Aw2	W1	W2	W	1		₩2	\bigcirc	W1		_	W2 V	¥1
5-03													\sim		
			-	— В1	/							B2			
1	X	8				A .	I								₹
		BAHS 5x8	3	4x4		MT1	8HS 12x16	6			5x	12			4x4
	2654 lb/-56 lb	0												2654 lb/-56	lb
Camber = 1/8 in	-		5-03-00		5-01-04	,	/	5	5-01-04		/		5-0	13-00	\rightarrow
			3-03-00		3-01-04			5	-01-04				0-0	55-00	
Plate Offsets ()	K, Y): [2:3-04	,2-08], [3	3:4-00,4-08], [4:1-12,1	-08], [6:E	dge,3-08], [7:3-08	8,2-08], [9:5-	12,Edge]								
Loading	-	(psf)	Spacing		2-00-00 CS			DEF	 -L	in	(loc)	l/defl	l /d	PLATES	GRIP
TCLL (roof)	1	00.0	Plate Grip DOL		1.15 TC	•	0.65	Vert	_ (LL)	-0.36	8	>675	240	MT20	244/190
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL		1.15 BC		0.51	Vert	(CT)	-0.47	8	>519	180	M18AHS	186/179
TCDL BCU		20.0	Rep Stress Incr	IBC202	YES WB	} triy_MS	0.64	Horz	z(CT)	0.07	6	n/a	n/a	MT18HS	244/190
BCDL		10.0	Code	100202	. 1/ 11 12014									Weight: 136 lb	FT = 20%
				-											
	2v6 SD No 1	1		2)	FCLL: ASCE 7-16 Plate DOI =1 15):	6; Pr=100.0 p · Pa=10 0 ps	ost (root L f· Pf=11 0	L:Lu	m DOL="	1.15 I =					
BOT CHORD	2x6 SP 2400)F 2.0E			1.15 Plate DOL =	= 1.15); ls=1.0	0; Rough	Cat B	; Fully E	xp.;					
WEBS	2x4 SP No.3	8 *Excep	t* W2:2x4 SP 2400F		Ce=0.9; Cs=1.00	; Ct=1.10, Lu	I=50-0-0;	Min. f	flat roof						
	2.0E			:	snow load goverr exposed surfaces	s with slopes	less thar	pilea 0.50	to all 0/12 in						
TOP CHORD	Structural w	ood she	athing directly applied	or	accordance with	IBC 1608.3.4	I								
	2-2-12 oc pu	urlins.	atting anoony applied	3) 4)	Provide adequate	e drainage to 20 plates uni	prevent	water wise i	ponding.						
BOT CHORD	Rigid ceiling	directly	applied or 10-0-0 oc	5)	Provide mechanic	cal connectio	on (by oth	ers) o	of truss to)					
WEBS	<u>1 Row at mi</u>	dpt :	2-11		bearing plate cap	able of withs	tanding 5	6 lb u	ıplift at jo	int					
	MiTek reco	mmends	that Stabilizers and		D CASE(S) Sta	aljoint 11. Indard									
	required cro	oss brac	ing be installed during												
	Installation	guide.				247.0									
REACTIONS	(size) 6=	-5-08 (n	nin 2-03) 11=5-08 (r	nin	46.577	1 (a									
REACTIONS	(3)20) 0-	03)	min. 2-03), 11-3-00, (i		69867										
	Max Uplift 6=		13), 11=-56 (LC 13)		व्य क्ष	St. 19.									
FORCES	(lh) - Max O	-∠054 (L omn /M	∠), 11=2054 (LU 2) ax Ten - All forces 24	50	法法律	2.60									
	(lb) or less e	xcept w	hen shown.	~		3. BC									
TOP CHORD	2-12=-5790/	568, 3-1	2=-5790/568,			100015									
	4-5=-5809/5	י 30, 4-1 71	313211130,	QR	Link: How to Read	l Engineer Dra	wings								
BOT CHORD	10-11=-568/	5790, 9-	10=-745/7568,												
WEBS	8-9=-745/75 1-11=-523/8	68, 7-8= 0. 5-6=-'	-571/5809 2565/280 5-7=-605/6	159											
	2-10=0/707,	2-11=-6	139/602,	,											
	3-10=-1892/	189, 3-8	=-502/115, -1986/276												
NOTES		<u>د</u> د, +- <i>۱</i> –	1000/210												
1) Wind: ASC	E 7-16; Vult=	115mph	(3-second gust)												
vaso=91m B=25ft; L=2	pn; TCDL=6.0 25ft; eave=4ft	upsi; вС ; Cat. II;	Exp B; Enclosed;												

B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job		Truss		Truss	Гуре			Qty		Ply	Lucy	y Quarte	er Town	homes	6	
B2500281		RA08		Flat				2		1	Job	Refere	nce (opt	ional)		
Hiwassee Structu	ural Products, C	hattanoog	a, TN 37404, Chase The	omas		Run: 8.82	S Oct 31	1 2024 F	Print: 8	8.820 S Oc	t 31 202	24 MiTek	Industrie	es, Inc. \	Wed Mar 05 14:02:1	17 Page: 1
								I	D:?NG	QEsZMeUF	PSTbxfH	lfZlvQXz	hDvD-ilt3	8fjnPq6F	HYYb8K_wGB67Xh	NC8GCVeX4lbX26zdz4P
	Į.		5-03-00		4-11	-08	20-08-0	08	5	-03-00				5-0	13-00	
	I		0.00.00			-00			0	00-00				0-0	00-00	I
	2)	< 4		M18AHS	S 5x8		7x8					4x4			5x	12
$\left[\right]$	F				T1								T2			
3-10	W1		DW2	W1		₩2	W1		_	₩2		W1		_	W2 V	W1
2-0					B1			\geq	/				BD			
ſ		8					A									×
		BAHS 5x8	5	4x	4		MT18HS	S 12x16	;			5)	(12		2654 lb/-56	4x4
	2004 15/ 001	5													2004 15/ 00	
Camber = 1/8 in	1		5-03-00		5-0	1-04			5	-01-04				5-0	03-00	\rightarrow
Plate Offsets ()	X, Y): [2:3-04	,2-08], [3	::4-00,4-08], [4:1-12, ²	1-12], [6	6:Edge,3-08], [7	:3-08,2-08],	[9:6-00,	Edge]								
Loading		(psf)	Spacing		2-00-00	CSI			DEF	 L	in	(loc)	l/defl	l /d	PLATES	GRIP
TCLL (roof)	1	00.0	Plate Grip DOL		1.15	TC		0.64	Vert	– (LL) ·	-0.38	8	>653	240	MT20	244/190
TCDL	11.9	20.0	Rep Stress Incr		YES	WB		1.00	Horz	(CT) z(CT)	0.07	6	>502 n/a	n/a	MT18HS	244/190
BCLL BCDL		0.0 10.0	Code	IBC:	2021/TPI2014	Matrix-MS									Weight: 137 lb	FT = 20%
	1			2) TCLL: ASCE	7-16; Pr=1	.00.0 psf	(roof L	L: Lu	m DOL='	1.15					-
TOP CHORD	2x6 SP No.1)F 2 0F			Plate DOL=1 1.15 Plate D	l.15); Pg=10 OL = 1.15);	.0 psf; F ls=1.0; F	Pf=11.9 Rough) psf (Cat B	Lum DOL 3; Fully Ex	L = xp.;					
WEBS	2x4 SP No.3	8 *Except	t* W2:2x4 SP No.1		Ce=0.9; Cs= snow load o	1.00; Ct=1.1	l0, Lu=5 h surcha	60-0-0; arge ap	Min. f	flat roof to all	• /					
BRACING TOP CHORD	Structural w	ood shea	athing directly applied	d or	exposed sur	faces with sl with IBC 160	opes les	ss than	0.50	0/12 in						
BOT CHORD	2-2-15 oc pu Rigid ceiling	urlins. directly	applied or 10-0-0 oc	3) Provide ade	quate draina	ge to pro	event v	vater	ponding.						
WEBS	bracing. <u>1 Row at mi</u>	dpt 2	2-11	5) Provide mec	hanical con	nection (by othe	ers) o	f truss to	int					
	MiTek reco	mmends	that Stabilizers and		6 and 56 lb u	uplift at joint	11.	iung 5	0 10 0	ipilit at jo	IIIL					
	truss erection	on, in ac	cordance with Stabili	zer	OAD CASE(S)	Standard										
REACTIONS	(size) 6=	=5-08 (m	nin 3-02) 11=5-08 (j	min	回感	行法										
	2- Max Unlift 6	03) =-56 (I C	13) 11=-56 (I C 13)		12.0		Ê									
	Max Grav 6=	=2654 (L	C 2), 11=2654 (LC 2))	- 69 C	中的	<u>8</u>									
FORCES	(lb) - Max. C (lb) or less e	omp./Ma xcept wł	ax. Ten All forces 2 nen shown.	50	- 1888 1888	189	Ę.									
TOP CHORD	2-12=-5646/ 3-13=-7354/	554, 3-1 719, 4-1	2=-5646/554, 3=-7354/719,			田志子	Æ									
BOT CHORD	4-5=-5665/5 10-11=-554/	57 5646, 9-	10=-728/7394,		QR Link: How to	Read Engine	er Drawir	ngs								
WEBS	8-9=-728/73	94, 7-8= 0, 5-6=-2	-557/5665 2563/280, 5-7=-592/6	023.												
	2-10=0/706,	2-11=-6	003/588, =-502/115	,												
NOTES	4-8=-173/17	96, 4-7=	-1986/276													
1) Wind: ASC	E 7-16; Vult=	115mph	(3-second gust)													
Vasd=91m B=25ft; L=2	ph; TCDL=6.0 25ft; eave=4ft	upst; BC ;; Cat. II;	DL=6.0pst; h=25ft; Exp B; Enclosed;													
MWFRS (d	lirectional) an	d C-C C	orner (3) zone;													

cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job		Truss		Truss Tr	уре		Qtv		Ply	Lucy Qua	arter To	wnhome	s]
B2500281		RA09		Flat Gi	rder		2		3					
Hiwassee Struct	ural Products C	hattanoo	na TN 37404 Chase Th	mas		Run: 8.82 S. Oct 31	2024	Print [.] 8	820 S Oct 3	Job Refei	rence (optional)	Wed Mar 05 14:02	1.17 Page: 1
Thwassee offuer		nattanoo		511123		Run: 0.02 0 00001	2024	ID:K	vUHoyZoLxo	oTqBLq_T5C	CQJzhD	xX-ilt3fjnP	q6HYYb8K_wGB6	7XfoC0lCVeX4lbX26zdz4P
						20-08-08	2							
	t t	3-0)3-05 3-	01-09	3-0)5-06 2-	, 09-12	2	3	-09-12	/		4-02-12	7
	4x	4	4x8		4x8	7x8		4>	K 4		5x10		M18A	HS 10x12
\mathbf{r}				T	1	¥					T2			7
10	W1	J	W2 W3	WO	W3	Wa W3	W5		3	W/6	W3		WT V	₩1
2-04-							/							
				В	1						В2			
`	X	2				A							é	X
	7553 lb/-206 lt	x8	4x8		4x8	MT18HS 12	x16		10x10		M18	BAHS 10x	12 M1 10422 lb/-294	8AHS 5x8 Ib
								Spe	ecial					
Camber = 1/8 ir	n –					/			/					
		3-0)3-05 3-	01-09	3-	07-02 2	-08-00	0	3	-09-12			4-02-12	
Plate Offsets (X, Y): [2:3-08	,1-12], [3:3-08,2-00], [4:4-00,	1-08], [6:	3-04,2-00], [8:	Edge,3-08], [9:3-08,5	5-00],	[10:3-	-08,5-00], [12:3-08,2-	00], [13	3:3-08,1-	12]	
Loading		(psf)	Spacing		2-00-00	CSI		DEF	Ľ	in (loc	:) l/de	efl L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pa)	1 11 9	100.0 /10.0	Plate Grip DOL		1.15 1.15	TC BC	0.74	Vert Vert	(LL) -0 (CT) -0).45 10-1 ⁻).58 10-1 ⁻	1 >54 1 >42	13 240 22 180	MT20 M18AHS	244/190 186/179
TCDL		20.0	Rep Stress Incr		NO	WB	1.00	Horz	z(CT) 0	0.10 8	8 n	/a n/a	MT18HS	244/190
BCLL BCDL		0.0 10.0	Code	IBC2	021/TPI2014	Matrix-MS							Weight: 426 lb	o FT = 20%
							nnlia					- 1.4500		
TOP CHORD	2x6 SP No.	1 *Excep	ot* T2:2x6 SP 2400F	2.0E	except if note	ed as front (F) or bac	k (B)	face i	n the LOA	C	뿺	9 :9		
BOT CHORD WEBS	2x6 SP 240	0F 2.0E 3 *Excer	ot* W1 W6·2x4 SP No	1	CASE(S) see provided to c	ction. Ply to ply conn listribute only loads r	ection noted	s hav as (F)	e been) or (B),		资	866		
	W7:2x4 SP	2400F 2	2.0E	4)	unless other	wise indicated.	heen (ronsic	lered for th	nis	97	29	2495	
BRACING TOP CHORD	Structural w	ood she	athing directly applie	dor _c	design.	7 40: \/t-445	/0				ι÷	-82		
	4-11-7 oc pr Bigid ceiling	urlins, e	except end verticals.	5)	Vasd=91mpl	r; TCDL=6.0psf; BCI	(3-sec DL=6.0	cona g Opsf; I	h=25ft;			38	27. T	
BOT CHORD	bracing.	guneeny	applied of 10-0-0 00		B=25ft; L=25 MWFRS (dire	ift; eave=4ft; Cat. II; I ectional) and C-C Co	Exp B orner (; Encl 3) zor	osed; ne;	<u>QR Li</u>	ink: Hov	v to Read	Engineer Drawing	<u>75</u>
REACTIONS	(size) 8:	=5-08, (r	min. 2-14), 14=5-08, (min.	cantilever lef	t and right exposed ;	end v	ertica	al left and	for				
	Max Horiz 14	4=48 (LC	C 12)	-)	reactions sho	own; Lumber DOL=1	.60 pl	ate gr	ip DOL=1.	60				
	Max Uplift 8: Max Grav 8:	=-294 (L =10422	.C 13), 14=-206 (LC 1 (LC 2), 14=7553 (LC	3) 2) 6)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lu	m DOL=1.	15				
FORCES	(lb) - Max. C	omp./M	ax. Ten All forces 2	50	Plate DOL=1 1.15 Plate D	.15); Pg=10.0 psf; P OL = 1.15); Is=1.0; R	f=11.9 Rough) psf (Cat B	Lum DOL : B; Fully Exp	= 0.;				
TOP CHORD	1-14=-467/6	0, 1-2=-	298/44, 2-3=-11708/6	i30,	Ce=0.9; Cs=	1.00; Ct=1.10, Lu=50)-0-0; rae ar	Min. f	flat roof					
	3-15=-22102 4-5=-32343/	2/1101, 4 /1474, 5	4-15=-22102/1101, -6=-37570/1617,		exposed sur	faces with slopes les	s than	n 0.50	0/12 in					
BOT CHORD	6-7=-21393/	989, 7-8 11708	3=-10250/513 12-13=-1136/22102	7)	Provide adec	uate drainage to pre	event	water	ponding.					
	11-12=-150	3/32011	, 10-11=-1642/37570	8) 9)	All plates are Provide mec	MT20 plates unless	other	wise i ers) o	indicated. of truss to					
WEBS	7-9=-1055/2	3121, 5	-10=-194/3751,	,	bearing plate	e capable of withstan	ding 2	206 Íb	uplift at joi	nt				
	6-10=-719/1 5-11=-6397/	8036, 6 232, 2-1	-9=-9252/491, I3=-238/6144,	10) Hanger(s) or	other connection de	vice(s	s) shal	ll be					
	2-14=-13308	3/700, 3 434 4-1	-13=-12124/565, 12=-11284/435		b down and	388 lb up at 12-8-0	centra on bo	ated Ic ttom c	chord. The	96				
NOTES	4-11=-111/4	286			design/selec	tion of such connecti	on de	vice(s	s) is the					
NOTES 1) Special co	nnection reau	ired to c	distribute bottom chor	d LO	AD CASE(S)	Standard								
loads equa	ally between a	all plies.	other with 10d (0 131"	1) x3"\	Dead + Sno Increase=1.	ow (balanced): Lumb 15	er Inc	rease	=1.15, Plat	e				
nails as fo	llows:				Uniform Loa	ads (lb/ft) =-64_8-14=-20								
i op chord 2x6 - 2 rov	s connected a vs staggered a	as tollow at 9-00 d	s: 2x4 - 1 row at 9-00 oc.	OC,	Concentrate	ed Loads (lb)								
Bottom ch staddered	ords connecte at 4-00 oc.	ed as fol	lows: 2x6 - 3 rows		Vert: 10=	-3993								
Web conn Except me	ected as follo mber 5-10 2x	ws: 2x4 4 - 2 rov	- 1 row at 9-00 oc, ws staggered at 4-00	DC.										

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA10	Flat	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:KNQRgK9ULUWIIzII?KUE28zhDy3-AURSs3o2bPPP9ljWYdnQfL4rUbZzx3FgJPK4bYzdz4O



6-03-04

6-03-04

Plate Offsets (X, Y): [1:2-04,2-04], [3:2-04,2-04], [5:5-00,1-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.68 0.16 0.53	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.16 0.00	(loc) 5 5 4	l/defl >999 >913 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 83 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 3-5-2 oc purlins. Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ar Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied / applied or 6-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabiliz	5) Provide met bearing plate 6 and 36 lb LOAD CASE(S) or	hanical connectic e capable of withs uplift at joint 4. Standard	on (by oth	ers) of truss 6 lb uplift at	to joint					
REACTIONS FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 1-11 Max Uplift 4=-36 (LC Max Grav 4=1628 (I (lb) - Max. Comp./M (lb) or less except w 1-2=-2941/410, 2-3 1-6=-1546/251, 3-4 2-5=-1805/366, 1-5	anical, (min. 1-08), 6=5 5) C 9), 6=-36 (LC 9) LC 2), 6=1628 (LC 2) lax. Ten All forces 25 /hen shown. =-2941/410 =-1546/251, =-448/3199,	-08, <u>QR Link: How to</u>	Read Engineer Dra	awings							
NOTES 1) Wind: ASI Vasd=91r B=25ft; L= MWFRS (cantilever right expo reactions	3-5=-448/3199 CE 7-16; Vult=115mpl mph; TCDL=6.0psf; BC =25ft; eave=4ft; Cat. II (directional) and C-C C left and right exposed psed;C-C for members shown; Lumber DOL=	h (3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Corner (3) zone; 1; end vertical left and and forces & MWFRS 1.60 plate grip DOL=1 f (react L, L, L, L, DOL=1	for .60									
2) TOLL: AS Plate DOI 1.15 Plate Ce=0.9; C snow load exposed s accordance	L=1.15); Pg=10.0 ps; L=1.15); Pg=10.0 ps; b DOL = 1.15); Is=1.0; Cs=1.00; Ct=1.10, Lu= d governs. Rain surch surfaces with slopes le ce with IBC 1608.3.4.	Pf=11.9 psf (Lum DOL=1 Pf=11.9 psf (Lum DOL Rough Cat B; Fully Ex 50-0-0; Min. flat roof arge applied to all sss than 0.500/12 in	-15 = p.;									

Provide adequate drainage to prevent water ponding.
 Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA11	Flat	2	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Page: 1 ID:oZ_ptgA66oe8N7KVZ2?TbMzhDy2-AURSs3o2bPPP9ljWYdnQfL4rzbZ6x4igJPK4bYzdz4O



ſ W1 W1 W2 W/S B1

5x12

1593 lb/-34 lb 2x4

2-05-02

6-03-04

6-03-04

W1

1593 lb/-34 lb 2x4

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 100.0 11.9/10.0 20.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.65 0.15 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.15 n/a	(loc) 5 5 -	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										Weight: 83 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep	pt* W2:2x4 SP No.1	LOAD CASE(S)	Standard								
TOP CHORD	Structural wood she 3-6-15 oc purlins. Rigid ceiling directly bracing. MiTek recommend	eathing directly applied of y applied or 10-0-0 oc stat Stabilizers and										
	required cross brac truss erection, in a Installation guide.	cing be installed during ccordance with Stabilize	er <u>QR Link: How to</u>	Read Engineer Dra	wings							
REACTIONS	(size) 4= Mecha (min. 1-14 Max Uplift 4=-34 (LC Max Grav 4=1593 (I	anical, (min. 1-08), 6=5- 4) C 9), 6=-34 (LC 9) LC 2), 6=1593 (LC 2)	08,									
FORCES TOP CHORD WEBS	(lb) - Max. Comp./M (lb) or less except w 1-2=-2871/398, 2-3: 1-6=-1510/244, 3-4: 2-5=-1764/358, 1-5: 3-5=-418/3015	lax. Ten All forces 25(/hen shown. =-2871/398 =-1510/244, =-418/3015,)									
NOTES 1) Wind: ASC Vasd=91n B=25ft; L= MWFRS (i cantilever right expos reactions s	CE 7-16; Vult=115mpl nph; TCDL=6.0psf; B(25ft; eave=4ft; Cat. II directional) and C-C 0 left and right exposed sed;C-C for members shown; Lumber DOL=	h (3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Corner (3) zone; 1 ; end vertical left and and forces & MWFRS 1 =1.60 plate grip DOL=1.	for 60									
2) TCLL: AS(Plate DOL 1.15 Plate Ce=0.9; C snow load exposed s accordanc	CE 7-16; Pr=100.0 ps =1.15); Pg=10.0 psf; DOL = 1.15); Is=1.0; s=1.00; Ct=1.10, Lu= governs. Rain surch surfaces with slopes Ic with IBC 1608.3.4.	f (roof LL: Lum DOL=1. Pf=11.9 psf (Lum DOL Rough Cat B; Fully Exp 50-0-0; Min. flat roof arge applied to all ess than 0.500/12 in	15 = D.;									
 Provide ac Refer to gi Provide m bearing pla 6 and 34 ll 	dequate drainage to p irder(s) for truss to tru echanical connection ate capable of withsta b uplift at joint 4.	revent water ponding. iss connections. (by others) of truss to anding 34 lb uplift at join	t									

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA12	Flat	2	1	Job Reference (optional)

2 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:oZ_ptgA66oe8N7KVZ2?TbMzhDy2-AURSs3o2bPPP9IjWYdnQfL4mobZzx4VgJPK4bYzdz4O



6-03-04

6-03-04

Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-00]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP		
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.10	5	>999	240	MT20	244/190		
Snow (Pf/Pg	a) 11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.13	5	>999	180				
TCDL	20.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.00	4	n/a	n/a				
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS										
BCDL	10.0										Weight: 83 lb	FT = 20%		
LUMBER			4) Provide ade	equate drainage	to prevent v	water pondir	ng.							
TOP CHOR	D 2x6 SP No.1		5) Refer to gire	der(s) for truss to	, truss conr	ections.	0							
BOT CHOR	D 2x6 SP No.1		6) Provide me	6) Provide mechanical connection (by others) of truss to										
WEBS	2x4 SP No.3 *Excer	ot* W2:2x4 SP No.1	bearing plat	bearing plate capable of withstanding 38 lb uplift at joint										
BRACING			6 and 38 lb	uplift at joint 4.										
TOP CHORI	D Structural wood she	athing directly applied	or LOAD CASE(S) Standard										
	3-10-0 oc purlins.	except end verticals.												
BOT CHORI	D Rigid ceiling directly	applied or 10-0-0 oc		1920 AV 🗐										
	bracing.	••		e Dageter										
	MiTek recommend	s that Stabilizers and	122-3	I.I.C.										
	required cross brac	ing be installed during	6503											
	truss erection, in a	ccordance with Stabilize	er en e	79,209.										
	Installation guide.													
DEACTION		minal (min 1 00) C-E	<u></u> LSR	1. C. C. C. C.										
REACTION	5 (SIZE) $4 = IVIECTI2(min 1 - 1/2$	anical, (min. 1-06), 6=5- 1)		286228										
	Max Horiz 6=-51 (I C	*/ ()		TAU ADADA AR										
	Max 1 Inlift 4=-38 (1 C	(10) 6=-38 (10.9)	QR Link: How to	Read Engineer D	Drawings									
	Max Grav 4=1593 (I	_C 2), 6=1593 (LC 2)												
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250)											
	(lb) or less except w	hen shown.												
TOP CHORE	J = 1.6 = -1488/250, 1.2 = 0	=-2754/387,												
WERS	2-3=-2134/301, 3-4-	1400/200												
WED3	3-5=-405/2736	1009/341,												
NOTES														
1) Unbalan	ced roof live loads have	e been considered for th	nis											
design.														
2) Wind: AS	SCE 7-16; Vult=115mpl	n (3-second gust)												
Vasd=91	1mph; TCDL=6.0psf; BC	CDL=6.0psf; h=25ft;												
B=25ft; l	L=25ft; eave=4ft; Cat. II	; Exp B; Enclosed;												

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
| Job | Truss | Truss Type | Qty | Ply | Lucy Quarter Townhomes |
|----------|-------|------------|-----|-----|--------------------------|
| B2500281 | RA13 | Flat | 2 | 1 | Job Reference (optional) |

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:oZ_ptgA66oe8N7KVZ2?TbMzhDy2-AURSs3o2bPPP9IjWYdnQfL4s3bZzx5fgJPK4bYzdz4O

5x10

1593 lb/-38 lb 5x6

6-03-04

6-03-04

1593 lb/-38 lb^{5x6}

Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-00]

2-06-02

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	тс	0.58	Vert(LL)	-0.10	` 5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.13	5	>999	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.00	4	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0						_		_		Weight: 84 lb	FT = 20%
			4) Provide ade	auate drainage	to prevent	vater nondin	na				-	-
TOP CHORD	2x6 SP No 1		5) Refer to gird	ler(s) for truss f	to truss conr	nections.	·9·					
BOT CHORD	2x6 SP No 1		 6) Provide med 	chanical conne	ction (by oth	ers) of truss	to					
WEBS	2x4 SP No.1 *Excer	ot* W3:2x4 SP No.3	bearing plat	e capable of wi	thstanding 3	8 lb uplift at	joint					
RRACING	I		6 and 38 lb	uplift at joint 4.	-	-	-					
TOP CHORD	Structural wood she	athing directly applied	or LOAD CASE(S)	Standard								
	3-10-14 oc purlins.	except end verticals.										
BOT CHORD	Rigid ceiling directly	applied or 10-0-0 oc	in lite	920 <i>1</i> 971	1							
	bracing.	••										
	MiTek recommende	s that Stabilizers and	3232	La com								
	required cross brac	ing be installed during	8.702	STA 100								
	truss erection, in ac	ccordance with Stabiliz	er Carte	.#####								
	Installation guide.			- Wei (* 19								
REACTIONS	(size) 4= Mecha	anical (min 1-08) 6=5	.08	34 - 7 - 20								
REAGINGING	(min. 1-14	4)		61 A.28 &								
	Max Horiz 6=-52 (LC	ý9)			. .							
	Max Uplift 4=-38 (LC	2 10), 6=-38 (LC 9)	<u>QR Link: How to</u>	Read Engineer	<u>Drawings</u>							
	Max Grav 4=1593 (L	_C 2), 6=1593 (LC 2)										
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 25	0									
	(lb) or less except w	hen shown.										
TOP CHORD	1-6=-1488/250, 1-2=	=-2700/380,										
	2-3=-2700/380, 3-4=	=-1488/250										
VVEDS	1-5=-395/2073, 2-5=	1001/339,										
NOTES	5-5531/2015											
1) Unbalance	ed roof live loads have	e been considered for t	his									
design.												
2) Wind: ASC	CE 7-16; Vult=115mph	n (3-second gust)										
Vasd=91m	nph; TCDL=6.0psf; BC	CDL=6.0psf; h=25ft;										
B=25ft; L=	25ft; eave=4ft; Cat. II;	; Exp B; Enclosed;										
MWFRS (directional) and C-C C	Corner (3) zone;										

- Wasd=9 fmpn, TCDL=0.0pst, BCDL=0.0pst, n=25ft, B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA14	Flat	2	1	Job Reference (optional)

ID:GIYB40Bkt5m??Gvh6lXi7ZzhDy1-AURSs3o2bPPP9ljWYdnQfL4nHbZ6x5fgJPK4bYzdz4O



6-03-04

6-03-04

				·							i		
Loading	(psf)	Spacing	2-00-00	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	100.0	Plate Grip DOL	1.15	тс	0.95	Vert(LL)	-0.10	5	>999	240	MT20	244/190	
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.13	5	>999	180			
TCDL	20.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.00	4	n/a	n/a			
BCLI	0.0	Code	IBC2021/TPI2014	Matrix-MS		()		-					
BCDL	10.0	0000									Weight: 84 lb	FT = 20%	
	· · · · ·										0		
LUMBER			Provide ade	quate drainage	to prevent	water pondin	q.						
TOP CHORD	2x6 SP No.1		5) Refer to gird	er(s) for truss to	, truss conr	nections.	•						
BOT CHORD	2x6 SP No.1		 Provide med 	hanical connect	tion (by oth	ers) of truss	to						
WEBS	2x4 SP No.3 *Excer	ot* W2:2x4 SP No.1	bearing plate	e capable of with	hstanding 3	8 lb uplift at	joint						
PRACING			6 and 38 lb (uplift at joint 4.	-	-	-						
	Structural wood sho	athing directly applied	LOAD CASE(S)	Standard									
TOP CHOILE		auting unecuy applieu (
	Rigid ceiling directly	/ applied or 10-0-0 oc		SECTION IN									
BOT ONORE	bracing			是这些的XXX;是									
	MiTok rocommond	s that Stabilizors and											
	required cross brac	sing be installed during	16988										
	truss erection in a	cordance with Stabilize	an 201.0	03/00									
	Installation quide			60.04 28									
	inotaliation galao.		ලිකුණු	- X S C C									
REACTIONS	(size) 4= Mecha	anical, (min. 1-08), 6=5-	08,	AT LEAST									
	(min. 1-14	4)	X	EUT-04-07E									
	Max Horiz 6=-53 (LC	C 9)	OR Link: How to	Road Engineer D	rawings								
	Max Uplift 4=-38 (LC	C 10), 6=-38 (LC 9)	GREENK. HOW LO	Redu Engineer D	nawings								
	Max Grav 4=1593 (I	LC 2), 6=1593 (LC 2)											
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250)										
	(lb) or less except w	/hen shown.											
TOP CHORD	1-6=-1491/251, 1-2=	=-2659/374,											
	2-3=-2659/374, 3-4=	=-1491/251											
WEBS	1-5=-394/2661, 2-5=												
	3-5=-395/2661												
NOTES													
1) Unbalanc	ed root live loads have	IIS											
auesign.	CE 7 16. \/ult-115	h (2 accord quat)											
Z) Wind: AS	C = 1 - 10; $Vuit = 1.15 mpi$												
vasu-91		JDL-0.0psi, II-20II,											

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA15	Flat	2	1	Job Reference (optional)

8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:GIYB40Bkt5m??Gvh6IXi7ZzhDy1-AURSs3o2bPPP9IjWYdnQfL4nRbZ6x5ogJPK4bYzdz40



6-03-04

6-03-04

Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading TCLL (roof)	(psf) 100.0	Spacing Plate Grip DOL	2-00-00 1.15	CSI TC	0.94	DEFL Vert(LL)	in -0.09	(loc) 5	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
Snow (Pf/Pg) TCDL	11.9/10.0 20.0	Rep Stress Incr	1.15 YES	BC WB Matrix-MS	0.15 0.43	Vert(CT) Horz(CT)	-0.12 0.00	5 4	>999 n/a	180 n/a		
BCDL	10.0	oode	1502021/11/2014	Matrix-WO							Weight: 84 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 3-11-8 oc purlins, e Rigid ceiling directly bracing.	ot* W2:2x4 SP No.1 eathing directly applied except end verticals. / applied or 10-0-0 oc	 4) Provide ade 5) Refer to gird 6) Provide mec bearing plate 6 and 38 lb to brock 	quate drainage ler(s) for truss to hanical connec e capable of wit uplift at joint 4. Standard	to prevent to o truss conr tion (by oth hstanding 3	water pondin nections. ers) of truss 8 lb uplift at	g. to joint					
	Millek recommend required cross brac truss erection, in ac Installation guide.	s that Stabilizers and cing be installed during ccordance with Stabilize										
REACTIONS	(size) 4= Mecha (min. 1-14 Max Horiz 6=-54 (LC Max Uplift 4=-38 (LC Max Grav 4=1593 (J	anical, (min. 1-08), 6=5- 4) 2 9) 2 10), 6=-38 (LC 9) LC 2), 6=1593 (LC 2)	08, <u>QR Link: How to</u>	Read Engineer L	Drawings							
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250)									
TOP CHORD	1-6=-1493/251, 1-2= 2-3=-2614/368_3-4=	=-2614/368, =-1493/251										
WEBS	1-5=-390/2625, 2-5= 3-5=-391/2625	-1681/343,										
NOTES	0 0 00 112020											
1) Unbalance design.	ed roof live loads have	is										
2) Wind: AS(Vasd=91n	CE 7-16; Vult=115mpl nph; TCDL=6.0psf; B(h (3-second gust) CDL=6.0psf; h=25ft;										

Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA16	Flat	2	1	Job Reference (optional)

ID:kx6ZIMBMePuscQUtgT2xgnzhDy0-AURSs3o2bPPP9IjWYdnQfL4nkbZGx5ogJPK4bYzdz4O



6-03-04

6-03-04

Plate Offsets (X, Y): [4:Edge,3-08], [5:5-00,2-04]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 100.0 11.9/10.0 20.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.92 0.14 0.43	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										Weight: 84 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 3-11-15 oc purlins, Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection in ar	ot* W2:2x4 SP No.1 eathing directly applied except end verticals. y applied or 10-0-0 oc s that Stabilizers and cing be installed during coordance with Stabilize	 4) Provide ade 5) Refer to gird 6) Provide mec bearing plate 6 and 39 lb bor LOAD CASE(S) 	quate drainage ler(s) for truss t chanical connec e capable of wit uplift at joint 4. Standard	to prevent to o truss conr ction (by oth thstanding 3	water pondin lections. ers) of truss 9 Ib uplift at	ig. to joint					
REACTIONS	Installation guide. (size) 4= Mecha (min. 1-14 Max Horiz 6=-55 (LC Max Uplift 4=-39 (LC Max Uplift 4=-39 (LC	anical, (min. 1-08), 6=5- 4) 3 9) 3 10), 6=-39 (LC 9)	08, QR Link: How to	Read Engineer I	Drawings_							
FORCES	(lb) - Max. Comp./M	ax. Ten All forces 250)									
TOP CHORD	(lb) or less except w 1-6=-1494/252, 1-2= 2-3=-2570/362, 3-4=											
WEBS	1-5=-386/2589, 2-5= 3-5=-387/2589	-1685/343,										
NOTES	0 0 00112000											
1) Unbalance design.	ed roof live loads have	iis										
2) Wind: AS(Vasd=91n	CE 7-16; Vult=115mph nph; TCDL=6.0psf; BC	n (3-second gust) CDL=6.0psf; h=25ft;										

Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA17	Roof Special	1	1	Job Reference (optional)

ID:kx6ZIMBMePuscQUtgT2xgnzhDy0-mAHkorzqljAQrunCMa1iDIfAMFLXDRRkXajq4kzdz4A

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											-	
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.91 0.14 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 4-0-6 oc purlins, ex Rigid ceiling directly bracing.	bt* W2:2x4 SP No.1 eathing directly applied of ccept end verticals. / applied or 10-0-0 oc	 4) Provide ade 5) Refer to gird 6) Provide mec bearing plate 6 and 39 lb to cond CASE(S) 	quate drainage t ler(s) for truss to chanical connect e capable of with uplift at joint 4. Standard	to prevent v b truss conr tion (by oth nstanding 3	water pondin lections. ers) of truss 9 lb uplift at	g. to joint					
REACTIONS	MiTek recommenda required cross brack truss erection, in ad Installation guide. (size) 4= Mecha (min. 1-14 Max Horiz 6=56 (LC Max Uplift 4=-39 (LC Max Cross 4=1503 (I	er 08, <u>QR Link: How to</u>	Read Engineer D	rawings								
FORCES TOP CHORD WEBS NOTES 1) Unbalance design. 2) Wind: ASC Vasd=91m	(b) - Max. Comp./M (b) or less except w 1-6=-1496/252, 1-2= 2-3=-2528/357, 3-4= 1-5=-382/2555, 2-5= 3-5=-383/2555 ed roof live loads have CE 7-16; Vult=115mph pph; TCDL=6.0psf; BC	ax. Ten All forces 25(hen shown. =-2528/357, =-1496/252 =-1688/344, be been considered for th n (3-second gust) DDL=6.0psf; h=25ft;) is									

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA18	Roof Special	2	1	Job Reference (optional)

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6-03-04

6-03-04

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL	(psf) 100.0 11.9/10.0 20.0 0.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.91 0.14 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										Weight: 85 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 4-0-6 oc purlins, ex Rigid ceiling directly	 4) Provide ade 5) Refer to gird 6) Provide mec bearing platta 6 and 39 lb or or LOAD CASE(S) 	quate drainage t ler(s) for truss to shanical connect e capable of with uplift at joint 4. Standard	to prevent v o truss conr tion (by oth hstanding 3	water pondin nections. ers) of truss 9 lb uplift at	g. to joint						
	bracing. MiTek recommends required cross brace truss erection, in ac Installation guide.	s that Stabilizers and cing be installed during ccordance with Stabilize										
REACTIONS	(size) 4= Mecha (min. 1-14) Max Horiz 6=56 (LC) Max Uplift 4=-39 (LC) Max Grav 4=1593 (L	anical, (min. 1-08), 6=5-0 4) 10) C 10), 6=-39 (LC 9) LC 2), 6=1593 (LC 2)	08, QR Link: How to	Read Engineer D	Prawings							
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250)									
TOP CHORD WEBS	(lb) or less except w 1-6=-1496/252, 1-2= 2-3=-2528/357, 3-4= 1-5=-382/2555, 2-5= 3-5=-383/2555	/hen shown. =-2528/357, =-1496/252 =-1688/344,										
NOTES 1) Unbalance design. 2) Wind: ASC Vasd=91m	ed roof live loads have CE 7-16; Vult=115mpł noh: TCDL=6.0psf: BC	e been considered for th h (3-second gust) CDL=6.0psf: h=25ft:	is									

- Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA19	Roof Special	2	1	Job Reference (optional)

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6-03-04

6-03-04

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.90 0.13 0.42	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.11 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 4-0-13 oc purlins, e Rigid ceiling directly bracing. MiTek recommend	ot* W2:2x4 SP No.1 eathing directly applied except end verticals. applied or 10-0-0 oc	 4) Provide ade 5) Refer to gird 6) Provide mer bearing plate 6 and 39 lb or 	quate drainage t ler(s) for truss to hanical connect e capable of with uplift at joint 4. Standard	o prevent t truss conr ion (by oth istanding 3	vater pondin lections. ers) of truss 9 lb uplift at	g. to joint						
REACTIONS	(size) 4= Mecha (min. 1-14 Max Horiz 6=-57 (LC Max Uplift 4=-39 (LC Max Grav 4=1593 (I	(mical, (min. 1-08), 6=5- (cordance with Stabilizy) (cordance with Stabi	er .08, <u>QR Link: How to</u>	Read Engineer D	<u>rawings</u>								
FORCES TOP CHORD WEBS NOTES 1) Unbalance design. 2) Wind: ASC Vasd=91m B=25ft: L=	(lb) - Max. Comp./M (lb) or less except w 1-6=-1497/253, 1-2= 2-3=-2490/351, 3-4= 1-5=-378/2525, 2-5= 3-5=-379/2525 ed roof live loads have CE 7-16; Vult=115mpt ph; TCDL=6.0psf; BC 25ft; eave=4ft; Cat II	ax. Ten All forces 25 then shown. 2490/351, 1497/253 1691/344, be been considered for the n (3-second gust) CDL=6.0psf; h=25ft; - Exp B: Enclosed:	0 nis										

- Vasd=91mph; 1CDL=6.0pst; BCDL=6.0pst; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA20	Flat Girder	2	2	Job Reference (optional)



Bottom chords connected as follows: 2x6 - 2 rows staggered at 4-00 oc.

Web connected as follows: 2x4 - 1 row at 9-00 oc, Except member 4-7 2x4 - 1 row at 3-00 oc.

RA17 (1 ply 2x6 SP), RA18 (1 ply 2x6 SP) to back face 12) Fill all nail holes where hanger is in contact with lumber.

of bottom chord.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA21	Flat	2	1	Job Reference (optional)

ID:S8EnzbWIHiI1Ma23le1GGTzhDxb-AURSs3o2bPPP9ljWYdnQfL4mybUzx1CgJPK4bYzdz4O



5-11-09

5-09-13

5-11-09

Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code I	2-00-00 1.15 1.15 YES BC2021/TPI2014	CSI TC BC WB Matrix-MS	0.97 0.48 0.66	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.18 0.04	(loc) 6-8 6-8 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 124 lb	GRIP 244/190 186/179 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 3-5-6 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt MiTek recommend: required cross brac truss erection, in ac Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied or topt end verticals. v applied or 10-0-0 oc 2-9 s that Stabilizers and bing be installed during coordance with Stabilizer	 3) TCLL: ASCE Plate DOL=1 1.15 Plate D Ce=0.9; Cs= snow load ge exposed surt accordance 4) Provide adec 5) All plates are 6) Refer to gird 7) Provide mec bearing plate 9 and 48 lb to LOAD CASE(S) 	F-16; $Pr=100.0 p$ I.15); $Pg=10.0 psiOL = 1.15$); $Is=1.0I.100$; $Ct=1.10$, Lu poverns. Rain surce faces with slopes with IBC 1608.3.4 quate drainage to Iapta drainage to $Iapta drainage to Iapta drainage t$	besf (roof L f; Pf=11.5 2; Rough =50-0-0; sharge ap less thar prevent v ess other russ conr n (by oth tanding 4	L: Lum DOL 9 psf (Lum DO Cat B; Fully Min. flat roof plied to all 0.500/12 in water pondin wise indicate rections. ers) of truss 8 lb uplift at j	=1.15 OL = Exp.; f g. ed. to joint						
REACTIONS (FORCES TOP CHORD BOT CHORD WEBS	(size) 5=5-08, (r (min. 1-08 Max Horiz 9=72 (LC Max Uplift 5=-48 (LC Max Grav 5=2270 (I (Ib) - Max. Comp./M (Ib) or less except w 1-9=-585/100, 2-3=- 3-11=-3341/389, 4-7 4-5=-2189/286 8-9=-439/3296, 7-8= 6-7=-419/341 3-6=-1491/268, 4-6= 2-9=-3601/427	min. 2-11), 9= Mechanical 3) 12) 13), 9=-48 (LC 13) LC 2), 9=2270 (LC 2) fax. Ten All forces 250 then shown. 3302/382, 11=-3341/389, =-419/3341, =-427/3624,	QR Link: How to	Read Engineer Dra	<u>wings</u>								

NOTES

- 1) Unbalanced roof live loads have been considered for this
- design.
 Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

1		T		T T.			0.		DI	1	0	. T	h			
JOD		Truss		Truss T	уре				Ріу	Lucy	Juarte	riown	nome	5		
B2500281		RA22		Flat Gi	rder		2		2	Job R	eferen	ce (opt	ional)			
Hiwassee Structu	ral Products, C	Chattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024	Print: 8	3.820 S Oct	31 2024	MiTek I	ndustrie	s, Inc. '	Wed Mar 05	14:02:17	Page: 1
							ID	:sjwvb	cZAadgcD1	1meRmaz	zu6zhD>	Y-AUR	Ss3o2b	PPP9ljWYdn	QfL4vObl	UVx?LgJPK4bYzdz4O
	1															1
						17-09-	-00			/						
	1		5-11-09		,	5-09-	13			/			5-11	-09		1
					7x8					3x10						
	5	ōx6														4x4
\					X											
Ì			T1								T2					
	L	\sim						/	//	\square	\sim					4
2	W1		WØ		W1	,	Wa		N	v1		w	_			W1
33-0							/					~	\sim			
3				\sim										\sim		
					\searrow										\sim	
	<u>ال</u>	1			B1	/							B2			
1	Δ_															\boxtimes
																\bowtie
235	7 lb/-58 lb 2x	4			4x8			5x6		2x4				266	60 lb/-91 ll	b ^{4x4}
																-
													11524			
												0	0024			
	-									/						
	,		5-11-09		,	5-09-	13						5-11	-09		,
Diata Offacta ()	(V). [2.4 00	1 0 0 1 1	4.Edgo 2 001 [0:2 12	1 101												
	(, f). [2.4-00	,4-00 <u>]</u> , [4	4.Euge,5-06j, [6.2-12,	1-12]												
Loading		(psf)	Spacing		2-00-00	CSI		DEF	Ľ	in	(loc)	l/defl	L/d	PLATES	G	BRIP
TCLL (roof)		100.0	Plate Grip DOL		1.15	TC	0.43	Vert	(LL) -	80.0	6-8	>999	240	MT20	2	244/190
Snow (Pt/Pg)	11.9	20.0	Lumber DOL Ron Stross Incr		1.15 NO	BC	0.51	Vert	(CT) -	0.10	6-8 5	>999	180 n/a			
BCLL		0.0	Code	IBC2	021/TPI2014	Matrix-MS	0.70	11012	2(01)	0.02	5	n/a	n/a			
BCDL		10.0												Weight: 2	48 lb F	T = 20%
				1)		7.40.14.44.5	(0									
	2x6 SP No	1		4)	Vasd=91mp	n: TCDL=6.0psf: BCE	(S-Sec)L=6.0	Dosf: I	h=25ft:	<u>Q</u>	R Link:	How to	Read	Engineer Dra	awings	
BOT CHORD	2x6 SP No.	1			B=25ft; L=25	ift; eave=4ft; Cat. II; I	Exp B	; Encl	osed;							
WEBS	2x4 SP No.	3			MWFRS (dir	ectional) and C-C Co	orner (3) zoi	ne; al left and							
BRACING	Oto		-41-1		right expose	d;C-C for members a	ind for	ces 8	MWFRS	for						
TOP CHORD	6-0-0 oc pu	700a sne rlins. ex	cept end verticals.	Or	reactions sh	own; Lumber DOL=1	.60 pl	ate gr	ip DOL=1	.60						
BOT CHORD	Rigid ceiling	g directly	applied or 10-0-0 oc	5)		7-16 [.] Pr=100.0 psf.	(roof l	1.10	m DOI =1	15						
	bracing.			-,	Plate DOL=	.15); Pg=10.0 psf; P	f=11.9) psf (Lum DOL	=						
REACTIONS (size) 5	=5-08, (r	min. 1-09), 9= Mechan	ical,	1.15 Plate D	OL = 1.15); Is=1.0; R	lough	Cat E	3; Fully Ex	:р.;						
1	ں 9 Max Horiz	=-72 (LC	;9)		snow load g	overns. Rain surchar	rge ap	plied	to all							
1	Max Uplift 5	=-91 (LC	; 13), 9=-58 (LC 13)		exposed sur	faces with slopes les	s than	0.50	0/12 in							
	Max Grav 5	=2660 (L	_C 2), 9=2357 (LC 2)	6)	Provide ade	with IBC 1608.3.4. quate drainage to pre	vent	vater	pondina							
FORCES	(lb) - Max. (comp./M	ax. Ten All forces 25 hen shown	50 0) 7)	Refer to gird	er(s) for truss to truss	s conr	nectio	ns.							
TOP CHORD	1-9=-2261/2	294, 1-10)=-3481/403,	8)	Provide med	hanical connection (t	by oth	ers) o	of truss to	- 4						
	2-10=-3481	/403, 2-3	3=-3481/403,		9 and 91 lb t	plift at joint 5.	aing t	U 01 8	iplint at joir	nt						
BOT CHORD	7-8=-466/37	766. 6-7=	-466/3766.	9)	Use MiTek J	US24 (With 4-10d na	ails int	o Girc	der & 2-10)d						
	6-12=-466/3	3766, 5-1	2=-466/3766		nails into Tru	uss) or equivalent at 1	14-4-1 2v6 S	2 fror	n the left e	end of						
WEBS	1-8=-441/37	768, 2-8= 3-5=-405	=-1483/255, 3-8=-317/ 57/474	63,	bottom chore	1.	270 0	1)101		01						
NOTES	0-0-0/400,	0-0400		10) Fill all nail ho	oles where hanger is	in cor	tact v	vith lumbe	er.						
1) 2-ply truss	to be conned	cted toge	ther with 10d (0.131")	(3") LO	Dood + Sp	Standard	or Inc		-1 15 Dia	ato.						
nails as foll Top chords	OWS:	as follow	s: 2x4 - 1 row at 9-00	رن م	Increase=1	.15		Case	-1.15, Fla	ale						
2x6 - 2 row	s staggered	at 9-00 d	DC.	,	Uniform Lo	ads (lb/ft)										
Bottom cho	ords connect	ed as fol	lows: 2x6 - 2 rows		Vert: 1-4	=-64, 5-9=-20										
Web conne	at 9-00 oc. ected as follo	ws: 2x4	- 1 row at 9-00 oc.		Vert: 12=	-164										
2) All loads ar	e considered	dequally	applied to all plies,	_												
except if no	oted as front	(F) or ba	ick (B) face in the LOA	٨D												
provided to	distribute or	, pry con ily loads	noted as (F) or (B).		49.5	- 162 Ha										
unless othe	erwise indica	ted.	(, , - , ,		1000											
 Unbalanced design 	d roof live loa	ads have	been considered for	this	201-2	992 Q.										
ucsiyii.					1.5	16 C C										
						A-13-2										
					- 1 26	801-462-675										

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA23	Flat Girder	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:hRygBu013p2YYiUjmDJvCvzgcuf-b37aV5rwuKn_0CR5DmK7HziSgpca8Xi7?MZkBtzdz4L



JUS24



Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 NO IBC2021/TPI2014	CSI TC BC WB Matrix-MP	0.30 0.10 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 n/a	(loc) 3-4 3-4 -	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 Structural wood she 3-8-8 oc purlins. Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ar Installation guide.	eathing directly applied o y applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilize	 6) Use MiTek J nails into Tra to connect tu bottom chore 7) Fill all nail ho 1) Dead + Sna Increase=1 Uniform Lo Vert: 1-2 Concentrat Vert: 5=- 	US24 (With 4-10d Jss) or equivalent a Juss(es) RA24 (1 p d. Standard Standard w (balanced): Lun J5 ads (lb/ft) =-64, 3-4=-20 ed Loads (lb) 76	nails int at 1-8-12 ly 2x4 S is in cor nber Inc	o Girder & 2 2 from the lef P) to back fa ntact with lun rease=1.15,	-10d t end ice of nber. Plate					
REACTIONS FORCES WEBS NOTES 1) Wind: ASC Vasd=91m B=25ft; L=: MWFRS (c cantilever l right expos	Truss erection, in accordance with Stabilizer Installation guide. Vert: 5=-76 REACTIONS (size) 3=5-08, (min. 1-08), 4= Mechanical, (min. 1-08) Vert: 5=-76 Max Uplift 3=-36 (LC 9), 4=-41 (LC 9) Max Grav 3=491 (LC 2), 4=498 (LC 2) Vert: 5=-76 FORCES (b) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Vert: 5=-76 NVEBS 1-4=-410/112, 2-3=-410/112 Vert: 5=-76 NOTES 1.4=-410/112, 2-3=-410/112 Vert: 5=-76 NOTES 1.9 Visit: Second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for OR Link: How to Read Engineer Drawings											
 TCLL: ASC Plate DOL: 1.15 Plate Ce=0.9; Cč snow load exposed su accordance Provide ad Refer to gii Provide me bearing pla 4 and 36 lb 	Shown; Lumber DOL= CE 7-16; Pr=100.0 ps (=1.15); Pg=10.0 psf; DOL = 1.15; Is=1.0; (=1.15); Is=1.0	f (roof LL: Lum DOL=1. Pf=11.9 psf (Lum DOL=1. Pf=11.9 psf (Lum DOL = Rough Cat B; Fully Exp 50-0-0; Min. flat roof large applied to all ass than 0.500/12 in revent water ponding. Iss connections. (by others) of truss to anding 41 lb uplift at joint	15 = .;									

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RA24	Flat	4	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:voaneoAaYad?FXBsaMAt8_zefj7-b37aV5rwuKn_0CR5DmK7HziUApdM8Yp7?MZkBtzdz4L





				·		·					i	
Loading	(psf)	Spacing	2-00-00	CSI	0.14	DEFL	in n/o	(loc)	l/defl	L/d	PLATES	GRIP
FOLL (1001)	20.0	Plate Grip DOL	1.15		0.14	Vert(LL)	n/a	21	11/a	1999	101120	244/190
	10.0	Pop Stross Incr	1.13 VES		0.03		0.00	3-4	~999 n/a	100 n/a		
BCU	10.0	Code	IBC2021/TPI2014	Matrix_MP	0.05	11012(01)	n/a	-	II/a	n/a		
BCDI	10.0	Code	1002021/11 12014	Wath X-IVII							Weight [.] 24 lb	FT = 20%
											Wolght. 2 His	
LUMBER			LOAD CASE(S)	Standard								
TOP CHORD	2x4 SP No.1											
BOT CHORD	2x4 SP No.1		in laid	9200-57 E								
WEBS	2x4 SP No.3		100 C									
BRACING												
TOP CHORD	Structural wood she	eathing directly applied	or 170	ST 1. 30 -								
	3-3-8 oc purlins, ex	xcept end verticals.	20102	3-3-3-6								
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 oc		10-11 C								
	bracing.											
	Milek recommend	is that Stabilizers and		60 A267								
	truss erection in a	cordance with Stabilize		Deed Frederic Dee								
	Installation guide.		QR Link: How to	Read Engineer Dra	<u>awings</u>							
REACTIONS	(size) 3=5-08, (min. 1-08), 4= Mechani	cal,									
	(mm. 1-0) Max Horiz 4=-76 (1 (0) 2.9)										
	Max Uplift 3=-46 (LC	C(10) 4 = -46 (IC 9)										
	Max Grav 3=134 (L	C 22), 4=134 (LC 23)										
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25)									
NOTES	()											
1) Unbalance	ed roof live loads hav	e been considered for th	nis									
design.												
2) Wind: ASC	CE 7-16; Vult=115mp	h (3-second gust)										
Vasd=91n	npn; TCDL=6.0pst; B	CDL=6.0pst; n=25π;										
MWERS (directional) and C-C (Corner (3) zone:										
cantilever	left and right exposed	d : end vertical left and										
right expo	sed;C-C for members	and forces & MWFRS	for									
reactions	shown; Lumber DOL=	=1.60 plate grip DOL=1.	60									
			-									
3) TCLL: AS	CE 7-16; Pr=20.0 pst	(root LL: Lum DOL=1.1	5									
1 15 Plate	DOI = 1.15), Fg = 10.0 psi,	Rough Cat B: Fully Fx	- -									
Ce=0.9; C	s=1.00; Ct=1.10, Lu=	50-0-0; Min. flat roof	- ,									
snow load	governs. Rain surch	narge applied to all										
exposed s	surfaces with slopes le	ess than 0.500/12 in										
accordanc	ce with IBC 1608.3.4.											
4) Provide ad	pequate drainage to p	prevent water ponding.										
6) Provide m	nuer(s) for truss to tru	(by others) of trues to										
bearing of	ate capable of withsta	anding 46 lb uplift at ioin	t									
4 and 46 l	b uplift at joint 3.	5 <u>-</u>										

Job		Truss Type			уре		Qty	Ply		Lucy Quar	er Towr	homes	6	
B2500281		RB01		Flat			2	1		Job Refere	nce (op	tional)		
Hiwassee Structu	ral Products,	, Chattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024 F	rint: 8.820	S Oct 3	1 2024 MiTel	Industrie	es, Inc. \	Wed Mar 05 14:02:1	I7 Pag
								ID:pfwVv	aBguTe	E8JVUD4tM	ZJzgg8J-	eg?q4P	pgMjXGnuli6LlfBYc	yK?n3gTvqY34e7_zdz
	<u> </u>		E 0E 11		E 05	21-08-0	0		0.00		/			
			5-05-14		5-05-	14		5-02	2-06				5-05-14	
	M18A	HS 8x10		5x6		7x8	1			N	118AHS	10x12		M18AHS 5x8
Υ.														
ğ					T1		-	_				2	\sim	
-00-	vv -		W2	W3	W2	VV3		W2			3	W		
2				B1							B2			
``	Ř					A								Ř
277	M18AH 9 lb/-59 lb	S 5x8	M18	AHS 8x1	0	MT18HS 12>	x16			5	k 6		2779	M18AHS 5x12 lb/-59 lb
Combon - 2/16 i				,		,					,			,
Camper - 3/10 I	ii /		5-05-14		5-04-0)2		5-04	-02				5-05-14	
Plate Offsets ()	K, Y): [1:3-0	04,3-08], [3:4-00,4-08], [4:3-08,5	-00], [5:	Edge,3-08], [9:	3-08,Edge], [10:3-04	4,2-08]							
Loading		(psf)	Spacing		2-00-00	CSI		DEFL	-	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)		100.0	Plate Grip DOL		1.15	TC	0.93	Vert(LL)	-0.	56 8	>457	240	M18AHS	186/179
Snow (Pf/Pg) TCDL	11	.9/10.0 20.0	Rep Stress Incr		1.15 YES	BC WB	0.68	Vert(CT) Horz(CT)	-0.) 0.	73 8 09 6	>352 n/a	180 n/a	MT20 MT18HS	244/190 244/190
BCLL		0.0	Code	IBC2	021/TPI2014	Matrix-MS		(, -				Waight 140 lb	FT - 20%
BCDL		10.0											vveight: 140 lb	F1 = 20%
	0C OD N.	- 4		2)	Wind: ASCE	7-16; Vult=115mph ((3-sec	ond gust)	ft-					
BOT CHORD	2x6 SP No 2x6 SP 24	5.1 100F 2.0E			B=25ft; L=25f	t; eave=4ft; Cat. II; E	Exp B;	Enclosed	l;					
WEBS	2x4 SP 24	00F 2.0E	*Except* W1:2x4 SP		MWFRS (dire cantilever left	ctional) and C-C Co and right exposed ;	orner (3 end v	3) zone; ertical left	and					
BRACING	100.1, 100.	274 01 14	0.0		right exposed	;C-C for members a	nd for	ces & MW	/FRS fo	or O				
TOP CHORD	Structural	wood she	eathing directly applied	or			.00 pie	ite grip D	JL-1.0	0				
BOT CHORD	Rigid ceili	ng directly	applied or 10-0-0 oc	3)	TCLL: ASCE Plate DOL=1.	7-16; Pr=100.0 psf (15); Pq=10.0 psf; Pi	(roof L f=11.9	L: Lum D(psf (Lum	OL=1.1 DOL =	5				
WEBS	bracing. <u>1 Row at i</u>	midpt	4-6		1.15 Plate DC	DL = 1.15); Is=1.0; R	lough	Cat B; Ful	lly Exp.	;				
	MiTek ree	commend	s that Stabilizers and		snow load go	verns. Rain surchar	rge ap	plied to al	l					
	truss erec	cross brac ction, in a	cordance with Stabiliz	zer	exposed surfa accordance w	aces with slopes les: /ith IBC 1608.3.4.	s than	0.500/12	in					
	Installatio	on guide.		4)	Provide adeq	uate drainage to pre	event v	ater pono	ding.					
REACTIONS	(size)	6=5-08, (i 2-05)	min. 2-05), 11=5-08, (r	nin. 6)	Provide mech	anical connection (b	by othe	ers) of true	ateu. ss to					
I	Max Horiz	11=-39 (L	.C 9)		bearing plate 11 and 59 lb	capable of withstand	ding 5	9 lb uplift	at joint					
1	Max Uplift Max Grav	6=-59 (LC 6=2779 (I	C 13), 11=-59 (LC 13) LC 2), 11=2779 (LC 2)	LO	AD CASE(S)	Standard								
FORCES	(lb) - Max.	Comp./M	lax. Ten All forces 2	50		22004-0100								
TOP CHORD	(lb) or less 1-11=-262	s except w 26/281, 1-2	/hen shown. 2=-7229/696,											
	2-12=-951	0/900, 3-	12=-9510/900, 13=-7203/693											
	4-5=-321/	53, 5-6=-6	28/91		20 - C	22.00								
BOT CHORD	10-11=-82 8-9=-725/	2/323, 9-10 7229, 7-8:	0=-725/7229, =-939/9560.		18.36	1999								
WEDO	6-7=-703/	7203	- 2008/270			中的中心								
VVEDO	4-0=-7166)/7191, 2-1	B=-2006/276, B=-230/2375,	٥	R Link: How to F	Read Engineer Drawin	qs							
NOTES	3-8=-536/	123, 3-7=	-2460/246, 4-7=0/700	<u>a</u>										
4) =h=l====	ا	aada haw	haan aanaidara l f	u.:.										

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

Job	Truss		Truss Type		Qty	Р	ly	Lucy Quar	ter Towi	nhomes	3	
B2500281	RB02	2	Flat		2	1		Job Refere	ence (op	tional)		
Hiwassee Structural Produ	icts, Chattanoo	oga, TN 37404, Chase Th	nomas	Run: 8.82 S O	ct 31 2024 I	Print: 8.82	0 S Oct 3	31 2024 MiTe	k Industri	es, Inc. \	Wed Mar 05 14:02:1	7 Page: 1
						ID:ih	nRJIRrxv	IG9XcVVy_IH	wkzgg8	eg?q4P	pgMjXGnuli6LlfBYc	ye?olgQEqY34e7_zdz4N
		5.05.14		21-0	98-00	5.04	5 1 /	/		5	05.14	
	Ι	5-05-14	3.	-02-00		5-03	J-14			0	-03-14	I
	2x4	M	18AHS 10x12	7)	x8			5x6			M18	AHS 10x12
γ	[T1		1				T2			
-10	W1	⊠w2	W1	W2 W	/1	_	-₩2	₩1		_	₩2	ψ 1
2-00									E			
\downarrow			L B1						B2			×
	M18AHS 10x	(12	5x6	M1	18AHS 10x	12		M1	BAHS 10	x12		4x4
2761 lb/	-58 lb										2831 lb/-6	33 lb
	/	5-05-14		-04-02 2	2-00	5-0	12-02	/		5	-05-14	/
Camber = 3/16 in		0-00-14		2 2	-00	0-0	2-02			0	-00-14	
Plate Offsets (X, Y); [2	:3-08.5-001.	[3:4-00.4-08]. [4:2-12.	2-081. [6:Edge.3-08	1. [7:3-08.5-04]. [8:4-	-12.Edael							
								· // >			DI 4750	
TCLL (roof)	(pst) 100.0	Plate Grip DOL	2-00-0 1.1	15 TC	0.91	Vert(LL	_) -0	.57 9	1/defi >451	L/a 240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.1	15 BC	0.64	Vert(C	́Г) -0	.74 9	>348	180	M18AHS	186/179
BCLL	20.0 0.0	Rep Stress Incr Code	IBC2021/TPI20 ²	S WB 14 Matrix-MS	0.93	Horz(C	(1)	.09 6	n/a	n/a		
BCDL	10.0		-								Weight: 140 lb	FT = 20%
LUMBER			2) TCLL: AS	SCE 7-16; Pr=100.0	psf (roof L	L: Lum I	DOL=1.	15				
TOP CHORD 2x6 SF	No.1	_	Plate DO	L=1.15); Pg=10.0 ps	sf; Pf=11.9) psf (Lui	m DOL :	=				
WEBS 2x4 SF	2400F 2.0E No.3 *Exce	= ept* W2:2x4 SP 2400F	Ce=0.9; (Cs=1.00; Ct=1.10, Lu	u=50-0-0;	Min. flat	roof	.,				
2.0E			snow loa exposed	d governs. Rain sur surfaces with slopes	charge ap s less than	plied to 0.500/1	all 2 in					
TOP CHORD Struct	ural wood she	eathing directly applie	d or 3) Provide a	ce with IBC 1608.3.4	4. prevent v	Nator no	ndina					
1-6-15 BOT CHORD Rigid (oc purlins.	v applied or 10-0-0 or	4) All plates	are MT20 plates un	less other	wise ind	icated.					
bracin	g, Except:		 The Fabr Provide r 	ication Tolerance at nechanical connectio	joint 9 = 1 on (by oth	l2% ers) of tr	uss to					
WEBS <u>1 Row</u>	at midpt	-7. 2-11	bearing p	late capable of withs	standing 5	ið lb upli	ft at join	t				
MiTe	recommend	s that Stabilizers and	LOAD CASE	(S) Standard								
truss	ed cross bra erection, in a	accordance with Stabil	izer									
Instal	ation guide.			华沙海 県								
REACTIONS (size)	6=5-08, (2-05)	(min. 2-06), 11=5-08,	(min.									
Max Up	lift 6=-63 (L0	C 13), 11=-58 (LC 13)										
FORCES (Ib) - M	av 6=2831 (lax. Comp /M	(LC 2), 11=2761 (LC 2 //ax. Ten - All forces 2	2) 250	33 BALA								
(lb) or	ess except v	when shown.	···									
10P CHORD 2-12=- 3-13=-	7239/683, 3- 9529/921, 4-	·12=-7239/683, ·13=-9529/921,			awings							
4-5=-7 BOT CHORD 10-11=	128/676 -683/7239	9-10=-930/9572	SAL LINK. HOU	to Nead Engineer Did	amiyə							
7-8=-6	76/7128	0745/000 4 7 6555										
WEBS 1-11=- 2-10=0	561/82, 5-6= /694, 2-11=-	:-2715/288, 4-7=-2207 -7484/703, 3-9=-475/1	7/301, 104,									
3-10=-	2440/259, 8-	9=-921/9529,										
4-0=-2	55/2515, 5-7	13211019										
NOTES	\/	h (2 accord suct)										

Bit Social Bit Social Fit Do References topicant Figs: Distribution of the second seco	Job	Tru	ISS	Truss Type		Qty	Ply		Lucy Quart	er Towr	homes	3	
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Linklike/up/ The construction of the construct	Hiwassee Structur	ral Products, Chatta	nooga, TN 37404, Chase T	nomas	Run: 8.82 S Oct	31 2024 Pr	rint: 8.820 S	Oct 3	1 2024 MiTek	Industrie	es, Inc. V	Wed Mar 05 14:02:	17 Page: 1
							ID:EmfUg	EdtAq	I_4?qbuL21Z	6zgg7k-e	eg?q4Pp	gMjXGnuli6LlfBYc	z7?o?gQYqY34e7_zdz4N
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2011 br. 2016 / 2017 5:0 MTRANS Torl2 2031 br. 4:03 / 64 Camber = 5/18 hr 5:00-14 5:00-14 5:00-14 Camber = 5/18 hr 5:00-14 5:00-14 10:00 PLATES GRIP Camber = 5/18 hr 5:00-14 10:00 <td></td> <td>Ŕ</td> <td></td> <td></td> <td>,</td> <td>~</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Ŕ			,	~							
Camber = 3/16 m 5-05-14 5-04-02 5-02-02 5-05-14 Delet Offsets (X, Y): [23-08.5-00], [34-00.4-08], [6:Edge,3-06], [7:3-08.5-00], [6:4-08.Edge] DEFL in (ico): I/deft L/d Loading (pnf) Spacing Spacing 2-00.00 CSI 0.00 PLATES GRIP Snow, (PPg) 11.910.01 Reag Stress Inr. CC2 1.115 Stress Inr. DEFL in (ico): I/deft L/d PLATES GRIP Snow, (PPg) 11.910.01 Reag Stress Inr. CC2 1.115 RE 0.00 Reag Stress Inr. RE220217P12014 Wains-MS Mains-MS MilkArIS 189/179 VERS 2-06 Stress Res V2:2:45 SP 2400F 2.20 SP 240F		M18AHS 2761 lb/-58 lb	10x12	5x6	M18	BAHS 10x12	2		M18	AHS 10x	:12	2831 lb/-6	4x4 33 lb
Camber - 3/16 in 5-05-14 5-04-02 2/00 5-02-02 5-05-14 Plate Offnetis (X, Y): [23-08,5-00], [34-00,4-08], [6:Edge:-3-08], [7:3-08,5-00], [8:4-08,Edge:													
Camber = 3/16 in 5-05-14 5-04-02 2/00 5-02-02 5-05-14 Delet Offsets (X, Y): [23-08,5-00], [3-04-04-08], [6:Edge:3-08], [7:3-08,5-00], [8-408,Edge] DEFL in (ico): I/del I/del PLATES GRIP TOLL (roof) (ipo) 1000 Spacing Spacing 2-0000 CSI 0.8 B Vert(L) -0.55 9: >473: 240 MI3AHS 18/4/190 Snow (PPg) 11.9100 200 0.0 BCL 1.56 BC 0.68 Vert(L) -0.55 9: >473: 240 MI3AHS 18/4/190 Snow (PPg) 11.9100 TOE 0.00 BCL 1.56 BC 0.68 Vert(L) -0.55 9: >473: 240 MI3AHS 18/4/190 MI2DE 200 0.0 BCL 1.57 BC 0.68 Vert(L) -0.55 9: >473: 240 MI3AHS 18/4/190 MI2DE 200 BC 200 1.57 PTO 0.00 PG 16/4/14 16/10 16/10 16/10 16/10 16/10													
Camber = 3/16 n 5-05-14 5-04-02 2/00 5-02-02 5-05-14 Plate Offsets (X, Y): [2-3-08,5-00], [3-4-00,4-08], [8:Edge.3-08], [7-3-08,5-00], [8:4-08:Edge] Execting (r) (r) (r) Plate Grap DOL 2/0-000 Server (Plate) Plate Grap DOL 1/15 Server (Plate) 9-335 1/10 N1720 2/0/19 Sow (Plate) 1/10/10 Plate Grap DOL 1/15 Server (Plate) 0.02 Veri(C1) 0.77 9 3-335 1/10 N1720 2/0/19 Sow (Plate) 1/10/10 Plate Grap DOL 1/15 Server (Plate) 0.02 Veri(C1) 0.77 9 3-335 1/10 N1720 2/0/19 Sou (Plate) 0.00 0.01 1/15 N1750 0.01 N1720 2/0/19													
Camber 3-316 in 5-05-14 5-04-02 2-00 5-02-02 5-05-14 Plate Offsets (X, Y): [2:3-08.5-00]; [3:4-00.4-08]; [8:Edge.3-08]; [7:3-08.5-00]; [8:4-08.Edge] Image: Constraint of the c													
Camber = 3/16 in 5-05-14 5-04-02 2/00 5-02-02 5-05-14 Plate Offsets (X, Y): [2:3-08.5-00]. [3:4-00.4-08], [6:Edge_3:3-08], [7:3-08.5-00], [8:4-08.Edge] Image: Comparison of the comparison of th													
Camber = 3/16 in Substr Substr Substr Substr Substr Plate Offsets (X, Y): [2:3-08.5-00]. [34-00.4-08]. [6:Edge.3-08], [7:3-08.5-00]. [84-08.Edge] Image: Substrain (Substrain (Subst		/	5 05 14	5.0/	102 20		5.02 (12			5	05.14	/
Plate Offsets (X, Y): [2:3-08.5-00]. [3:4-0.4-08]. [6:Edge.3-08]. [7:3-08.5-00]. [8:4-08.Edge] Loading TCLL (roof) (ps) Spacing Plate Grip DOL Lumber DOL 2:0-0-00 CSI 0.08 Vert(T) 0.71 9 > 356 100 MT20 244/190 Sow (PI/Pg) 11.9:100.0 Plate Grip DOL Lumber DOL 1.15 TC 0.08 Vert(T) 0.71 9 > 356 100 MTAH S 186/179 BCLL 0.00 Code BEC202/TPI2014 Matrix-MS 0.01 Horz(CT) 0.09 6 n/a n/a UMBER TOP CHORD 2x6 SP No.1 Code 2202 Fer 100.0 psf (roof LL: Lum DOL=1.15 Fer 100.0 psf (roo	Camber = 3/16 in	1	5-05-14	5-04	-02 2-0	00	5-02-0)2			-0-	00-14	
Construction Construction<	Plate Offsets (X	(Y) [2:3-08 5-0	0] [3·4-00 4-08] [6·Eda	a 3-081 [7:3-08 5-00] [8									
Locating (ps) Top CLL (root) Top CLL (root) Desc Desc Desc Desc Desc Desc Mit20 PLATES GRUP Snow (PP/Pg) 11.970.0 Lumber DOL. 1.15 BC 0.68 Vert(C1) -0.75 9 × 345 180 Mit20 24/190		., 1). [2:0 00,0 0	, [0: 1 00, 1 00], [0: 2 ug										
Snow (PIPIG) 11.9/10.0 Lumber DOL Rep Stress Incr 1.15 Code BC 0.62 Matrix-MS Vert(CT) -0.71 9 >385 180 Matrix BCL 0.0 Rep Stress Incr Code IBC2021/TP1/2014 Matrix-MS Vert(CT) 0.09 6 n/a n/a Matrix-MS LUMBER TOP CHORD 2x6 SP No.1 20 CLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15; Pate DOL=1.15; Is=10, 0 psf, IP=11.9 psf (Lum DOL= 1.15 Plate DOL=1.15; Plate DOL=1.10;	Loading TCLL (roof)	(pst) 100.0) Spacing) Plate Grip DOL	2-00-00 1.15	TC	0.88	DEFL Vert(LL)	-0.	in (loc) 55 9	l/defl >473	L/d 240	MT20	GRIP 244/190
LUNDER DOL 20.0 10.0 Pois bits ind Code TES BC2021/TPI201 WB 0.9 Pois (C1) 0.09 6 Inter Ide Weight: 141 lb FT = 20% LUMBER TOP CHORD 2x6 SP 2400F 2.0E 2.0E 2x4 SP No.3 "Except W2:2x4 SP 2400F 2.0E 2 7 CLL: ASCE 7-16; Pr=100.0 psf (root LL: Lum DOL=1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=2.0E 2 7 CLL: ASCE 7-16; Pr=100.0 psf (root LL: Lum DOL=1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=2.0E 2 7 CLL: ASCE 7-16; Pr=100.0 psf (root LL: Lum DOL=1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=2.0E 2 7 CLL: ASCE 7-16; Pr=100.0 psf (root LL: Lum DOL=1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=2.0E 2 7 CLL: ASCE 7-16; Pr=100.0 psf (root LL: Lum DOL=1.15 Plate DOL=1.15; Pg=10.0 psf, Pi=11.9 psf (Lum DOL= 1.15 Plate DOL=2.0E 2 7 CLL: ASCE 7-100; psf (Psf (L2); LI=50-0, CM, IL: Lum DOL=1.15; Plate DOL=2.0E 2 7 Clum DoL=2.0E 1.15 Plate DOL=2.0E 1.15 Plate DOL=2.0E 1.15 Plate DOL=2.0E 1.16 Plate DOL=2.0E <td>Snow (Pf/Pg)</td> <td>11.9/10.0</td> <td>D Lumber DOL</td> <td>1.15</td> <td>BC</td> <td>0.62</td> <td>Vert(CT)</td> <td>-0.</td> <td>71 9</td> <td>>365</td> <td>180</td> <td>M18AHS</td> <td>186/179</td>	Snow (Pf/Pg)	11.9/10.0	D Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.	71 9	>365	180	M18AHS	186/179
BCDL 10.0 Weight: 141 lb FT = 20% LUMBER TOP CHORD 2x6 SP No.1 BOT CHORD 2x6 SP No.3 Cutotural wood sheathing directly applied or 1-8-12 oc purins. CLL: ASCE 7-16; Pr=100.0 pf (Pr-110, pd (Lm DOL = 1.15) Priot DO. pdf, Pr-11.0 pd (Lm DOL = 1.15) Priot DO. pdf, Pr-11.0 pd (Lm DOL = 1.15) Priot DO. pdf, Pr-11.0 pd (Lm DOL = 1.15) Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15) Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15) Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15) Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15) Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15) Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DOL = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Priot DE dol ps: 10; Dic = 1.15; Ps=10.0 op (for UL: Lum DOL=1.15; Provide adequate drainage to prevent water ponding. BOT CHORD (B) Cr Horong Dides (for 1); 11=-50; (Cl 1); Max Grav 6=2831 (LC 2); 11=2761 (LC 2); Provide adequate drainage to prevent water ponding. All plates are MT20 plates are MT20 plates indicated. BOT CHORD (B) Or Horong Dides (for 1); 11=-50; (Cl 2); Hor Water except when shown. DOP CHORD Di-11=-667/7073, 9-10-907/9337, 7-6=6-666/6045 Frive Hor Neade Engineer Drawings BOT CHORD (D) Or Horong Di-211=-732204/898, 4-17=-2205/301, 2-10=0392(22; 43=-4892204, 4-8=-24924244, 5-7=-71107519 Frive Hor Neade Engineer Drawings	BCLL	20.0	Code	IBC2021/TPI2014	Matrix-MS	0.91	Horz(CT)	0.	09 6	n/a	n/a		
LUMBER TOP CHORD S07 CHOR	BCDL	10.0)									Weight: 141 lb	FT = 20%
TOP CHORD 2x6 SP 2400F 2.0E BOT CHORD 2x6 SP 2400F 2.0E 2x4 SP No.3 "Except" W2:2x4 SP 2400F 2.0E BRACING 2.0E BRACING Structural wood sheathing directly applied or 10-0-0 c Fracing Council of the output ins. 15 Plate DOL = 1.15); Is=10.5 (loc) (CH-1.0), Luce 50-0-0; Min. flat roof BOT CHORD Structural wood sheathing directly applied or 10-0-0 c bracing, Except 6-0-0 oc braing: 6-7. WEBS 1 Row at midot 2-11 MTex recommends that Stabilizers and required cross bracing be installed dumg truss erection, in accordance with Stabilizer 11 Fer Fabrication Tolerance at joint 9 = 16% Provide mechanical connection (by others) of truss to bearing plate crashed of withstanding 58 lb uplift at joint 1.11 and 63 lb uplift at joint 6. Max Uplift 663 (LC 13), 11=-50.8 (min. 2-05), 11=-50.8 (min. 2-05) 11 and 63 lb uplift at joint 6. VCP CHORD 10-11=-6677073, 9-11=-907/9337, 7-88-661/8065 7-88-661/8063, 3-39478/104, 3-10-2372/252, 8-9-898/9294, 4-88-249/2444, 5-7-716/7519	LUMBER			2) TCLL: ASCE	7-16; Pr=100.0 p	sf (roof LL	.: Lum DO	L=1.1	5				
WEBS $2x4$ SP No.3 *Except W2:2x4 SP 2400F 2.0EBRACING BRACING $2x4$ SP X0.3 *Except W2:2x4 SP 2400F 2.0EBRACING CDCStructural wood sheathing directly applied or 1-8-12 oc purins.BOT CHORDStructural wood sheathing directly applied or 1-8-12 oc purins.BOT CHORDStructural wood sheathing directly applied or 1-8-12 oc purins.BOT CHORDStructural wood sheathing directly applied or 1-8-12 oc purins.BOT CHORDRigid celling directly applied or 1-8-12 oc purins.BOT CHORDNaw at midptProvide adequate drainage to prevent water ponding.HITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.REACTIONS(size)(size)6-5-08, (min. 2-06), 11=5-08, (min. 2-05) Max Grav 6=2831 (LC 2), 11=-286 (LC 13), Max Grav 6=2831 (LC 2), 11=-27073/667, 3-13=-9294/898, 4-13=-9294/898, 4-5=-6965/661BOT CHORD10-11=-687/7073, 9-10=-907/9337, 7-8=-681/6065BOT CHORD1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=0/688, 2-11=-7228/689, 3-9==478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519	TOP CHORD	2x6 SP No.1 2x6 SP 2400F 2	0F	Plate DOL=1 1.15 Plate D	1.15); Pg=10.0 psf; OL = 1.15); Is=1.0	; Pf=11.9 ; Rough C	psf (Lum E Cat B; Fully)OL = / Exp.	;				
BACING Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contracting. Except: Structural wood sheathing directly applied or 10-00 contr	WEBS	2x4 SP No.3 *E>	cept* W2:2x4 SP 2400	= Ce=0.9; Cs=	:1.00; Ct=1.10, Lu=	=50-0-0; N	/in. flat roo	of					
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 or 1-8-12 oc purlins. BOT CHORD Rigid celling directly applied or 10-0-0 or bracing. Except. 6-0-0 oc bracing: 6-7. WEBS 1 Row at midpt 2-11 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05) Max Uplift 6=-63 (LC 13), 11=-56 (LC 12), 11=2761 (LC 2) (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) or less except when shown. TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-58-69865/661 BOT CHORD 10-11=-657/023, 9-10-907/9337, 7-8=-661/69865, 9-118-5598(25, 6=-2718/288, 4-7=-2205/301, 4-8823972/252, 8-9=-898/9294, 4-88249/2444, 5-7=-716/7519 	BRACING	2.0E		exposed sur	faces with slopes I	ess than (0.500/12 ir	٦					
 BOT CHORD Rigid celling directly applied or 10-0-0 oc bracing. Except: 6-0-0 oc bracing: 6-7. WEBS 1 Row at midpt 2-11 MiTck recommends that Stabilizer and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. REACTIONS (size) 6-5-08, (min. 2-06), 11=5-08, (min. 2-05). Max Uplift 6=-63 (LC 13), 11=-58 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC	TOP CHORD	Structural wood	sheathing directly applie	ed or 3) Provide ade	quate drainage to p	prevent w	ater pondi	ng.					
 bracing, Except: 6-0-0 oc bracing; 6-7. WEBS 1 Row at midpl 2-11 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. REACTIONS (size) 6=5-08. (min. 2-06), 11=5-08. (min. 2-05) Max Uplift 6=-63 (LC 13), 11=-58 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (b) - Max. Comp./Max. Ten All forces 250. (b) or less except when shown. TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4	BOT CHORD	Rigid ceiling dire	ectly applied or 10-0-0 o	 All plates are 5) The Fabricat 	e MT20 plates unle tion Tolerance at ic	ess otherw	vise indica 3%	ted.					
WEBS 1. Row at midpt 2-11 Dearing plate departies of withstanding so to uplint at joint MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. And 63 lb uplint at joint 6. REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05) 2-05 Max Uplint 6=-63 (LC 13), 11=-58 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. Comp./Max. Ten All forces 250 TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-13=		6-0-0 oc bracing	it: : 6-7.	6) Provide med	hanical connection	n (by othe	rs) of truss	s to					
III ex recommends that Stabilizer and required cross braining be installed during truss erection, in accordance with Stabilizer Installation guide. IAAD CASE(S) Standard REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05) 2-05 2-05 Max Uplift 6=6-08, (LC 13), 11=-58 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) - Max. Comp./Max. Ten All forces 250 (Ib) - Res except when shown. TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-13=-9294/89	WEBS	1 Row at midpt	2-11	11 and 63 lb	uplift at joint 6.	anding 58	s id uplift a	t joint					
Itruss erection, in accordance with Stabilizer Installation guide. REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05) Max Uplift 6=-63 (LC 13), 11=5.8 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-12=-7073/667, 3-13=-9294/898, 4-13=-9294/898, 4-5=-6965/661 BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/8965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519		required cross b	oracing be installed duri	LOAD CASE(S)	Standard								
REACTIONS (size) 6=5-08, (min. 2-06), 11=5-08, (min. 2-05) Max Uplift 6=-63 (LC 13), 11=-58 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. (lb) - Max. Comp./Max. Ten All forces 250 TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-13=-9294/898, 4-5=-6985/661 BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=-00/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519		truss erection, i Installation quid	n accordance with Stabi le.	lizer	267 / D								
2-05) Max Uplift 6=-63 (LC 13), 11=-58 (LC 13) Max Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-5=-6965/661 BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519	REACTIONS (size) 6=5-0	8. (min. 2-06) 11=5-08	(min.									
Wax Grav 6=2831 (LC 2), 11=2761 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-5=-6965/661 BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=-0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519		2-05)	(I C 13) 11- 59 (I C 12)										
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 2-12=-7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-13=-9294/898, 4-5=-6965/661 BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=-0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9/294, 4-8=-249/2444, 5-7=-716/7519	N	/ax Grav 6=283	31 (LC 2), 11=2761 (LC 2	/ 2)									
(a) 51 - 7073/667, 3-12=-7073/667, 3-13=-9294/898, 4-13=-9294/898, 4-5=-6965/661 BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519	FORCES	(lb) - Max. Comp	./Max. Ten All forces	250									
3-13=-9294/898, 4-13=-9294/898, 4-13=-9294/898, 4-5=-6965/661 QR Link: How to Read Engineer Drawings BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=-0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519	TOP CHORD	2-12=-7073/667,	, 3-12=-7073/667,		80 40 AV								
BOT CHORD 10-11=-667/7073, 9-10=-907/9337, 7-8=-661/6965 WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519		3-13=-9294/898, 4-5=-6965/661	, 4-13=-9294/898,	QR Link: How to	Read Engineer Drav	<u>wings</u>							
WEBS 1-11=-559/82, 5-6=-2718/288, 4-7=-2205/301, 2-10=0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519	BOT CHORD	10-11=-667/707	3, 9-10=-907/9337,										
2-10=0/698, 2-11=-7328/689, 3-9=-478/104, 3-10=-2372/252, 8-9=-898/9294, 4-8=-249/2444, 5-7=-716/7519	WEBS	1-11=-559/82, 5-	-6=-2718/288, 4-7=-220	5/301,									
4-8=-249/2444, 5-7=-716/7519		2-10=0/698, 2-1 3-10=-2372/252,	1=-7328/689, 3-9=-478/ , 8-9=-898/9294,	104,									
		4-8=-249/2444,	5-7=-716/7519										
	NOTES												

Job	Truss	s Truss Type Qty Ply Lucy Quarter Townhomes											
B2500281	RB04		Flat 2 1 Job Reference (optional)										
Hiwassee Structural Products,	Chattanoo	ga, TN 37404, Chase Th	omas	Run: 8.82 S O	ct 31 2024	Print: 8.8	320 S Oct	31 2024 MiT	ek Industri	es, Inc.	Wed Mar 05 14:02:	7 Page: 1	
						ID:w	DEazuSi	IQTXX08IN2Nj	gvv⊢zgg45	-eg?q4F	pgivijXGnuli6LifBY	zQ?I3gRtqY34e7_zaz4N	
×		5-05-14		21-0	98-00	5-(15-14		/	5	.05-14	—	
		3-03-14	0-02	-00		0-0	55-14			0	-00-14	I	
2	x4	M	18AHS 10x12	7:	x8			52	6		M18/	AHS 10x12	
) Г			T1		1				_ T2				
€ ₩]	BW2	W1	-W2 W					1	W1			
2-01					W1 W2								
			□ B1						B2				
		0	Eve	M	M18AHS 10x12								
2761 lb/-58	Ib	0	oxc	IM	18AHS 10X	12		IVI	18AHS 10	(12	2831 lb/-6	3 lb	
<i>μ</i>									/				
Camber = 3/16 in		5-05-14	5-04	4-02 2	2-00	5.	-02-02			5-	05-14		
Plate Offsets (X, Y): [2:3-0	8,5-00], [3:4-00,4-08], [6:Edge	,3-08], [7:3-08,5-00], [8	3:4-12,Edge], [11:	:3-04,3-08	8]					_		
Loading	(psf)	Spacing	2-00-00	CSI		DEFL		in (loo	;) l/defl	L/d	PLATES	GRIP	
TCLL (roof) Snow (Pf/Pa) 11	100.0 9/10 0	Plate Grip DOL	1.15	TC BC	0.86 1.00	Vert(L	_L) - CT) -	0.53 0.69	9 >487 9 >376	240 180	MT20 M18AHS	244/190 186/179	
TCDL	20.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.10	6 n/a	n/a			
BCLL BCDL	0.0 10.0	Code	IBC2021/TPI2014	Matrix-MS							Weight: 141 lb	FT = 20%	
				I		I							
LUMBER TOP CHORD 2x6 SP No	1		2) TCLL: ASCE Plate DOL=	= 7-16; Pr=100.0 1.15): Pa=10.0 ps	psf (roof L sf: Pf=11.9	_L:Lum 9 psf (L	າ DOL=1 um DOL	.15					
BOT CHORD 2x6 SP 24	00F 2.0E	*Except* B2:2x6 SP	No.1 1.15 Plate D	OL = 1.15); Is=1.	.0; Rough	Cat B;	Fully Ex						
WEBS 2x4 SP No 2 0F	.3 *Excep	ot* W2:2x4 SP 2400F	snow load g	overns. Rain sur	u=50-0-0; rcharge ap	plied to	at root o all						
BRACING			exposed sur	faces with slopes	s less than	0.500	/12 in						
TOP CHORD Structural	wood she	eathing directly applie	d or 3) Provide ade	quate drainage to	prevent	water p	onding.						
BOT CHORD Rigid ceilir	ig directly	applied or 2-2-0 oc	 All plates are The Fabrica 	e MT20 plates un tion Tolerance at	iless other	rwise in 16%	dicated.						
WEBS 1 Row at r	nidpt	2-11	6) Provide med	chanical connection	on (by oth	ers) of	truss to						
MiTek rec	ommends	s that Stabilizers and	11 and 63 lb	e capable of with: o uplift at joint 6.	standing 5	b8 lb up	lift at joi	nt					
required of truss erec	ross brac tion. in ac	cing be installed durin ccordance with Stabil	g LOAD CASE(S)	Standard									
Installatio	n guide.			SCOLUTE									
REACTIONS (size)	6=5-08, (r	min. 3-05), 11=5-08, ((min.										
Max Uplift	2-05) 5=-63 (LC	C 13). 11=-58 (LC 13)											
Max Grav	6=2831 (L	_C 2), 11=2761 (LC 2											
FORCES (lb) - Max. (lb) or less	Comp./M except w	ax. Ten All forces 2 /hen shown	250	396 E.									
TOP CHORD 2-12=-691	4/652, 3-1	12=-6914/652,		推到起									
3-13=-907 4-5=-6829	4/877, 4-1 648	13=-9074/877,		Read Engineer Dr	awinac								
BOT CHORD 10-11=-65	2/6914, 9	-10=-886/9116,	<u>QR LINK: HOW to</u>	neau Engineer Dr	awings								
WEBS 1-11=-557	629 82, 5-6=-	-2732/290, 4-7=-2188	6/299,										
2-10=0/703 3-10=-231	3, 2-11=-7 1/246 8-0	7178/674, 3-9=-487/1 9=-877/9074	05,										
4-8=-240/2	360, 5-7=	=-704/7388											
NOTES													
1) Wind: ASCE 7-16: Vul	=115mp	n (3-second gust)											

Job		Truss		Truss	з Туре		Qty		Ply	Lucy	Quarter	Town	homes	6	
B2500281	1	RB05		Flat			2		1	Job R	eferend	ce (opt	ional)		
Hiwassee Structu	ural Products, Cha	attanooo	ga, TN 37404, Chase Tho	omas		Run: 8.82 S	Oct 31 2024	Print: 8	3.820 S Oct	31 2024	MiTek Ir	ndustrie	s, Inc. \	Wed Mar 05 14:02:	17 Page:
								ID:	:5_w9STobi	i0Byu6Hı	mhfEEe	lzgg3f-e	g?q4P	pgMjXGnuli6LlfBYc	c_v?iXgRAqY34e7_zdz4
	<u> </u>		5 05 14		E 00	2	1-08-00	F	05.14				5	05.14	\rightarrow
			5-05-14		5-02	-06		5	-05-14				-c	05-14	
	2x4		M1	8AHS	10x12		7x8				5x6			M18	SAHS 8x10
\			Г]	T1		-¥					T2			
-02			RIMO	W1 W2 W1			-₩1	-HA12			W1 W2			TAP	W1
2-02		L			7	112		442			WI WZ			112	
					B1						B2				
				_											
	M18AI 2761 lb/-58 lb	HS 8x10	0	5	x6		M18AHS 10x	12			M18AF	IS 10x1	2	2831 lb/-6	4x4 3 lb
	<u> </u>														
Camber = 1/8 in	ı (5-05-14	,	5-04	-02	2-00	!	5-02-02		,		5-	05-14	,
Plate Offsets (2	X, Y): [2:3-08,5	5-00], [3	3:4-00,4-08], [5:3-04,3	3-04],	[6:Edge,3-08], [7	:3-08,5-00], [8	3:4-08,Edge]	, [11:E	Edge,3-08]]					
Loading	()	psf)	Spacing		2-00-00	CSI	-	DEF	ïL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pa)	10 11 9/1	0.0	Plate Grip DOL		1.15 1.15	TC BC	0.83 0.97	Vert	(LL) -((CT) -(0.51 0.66	9 9	>510 >393	240 180	MT20 M18AHS	244/190 186/179
TCDL	2	20.0	Rep Stress Incr		YES	WB	0.87	Horz	z(CT) (0.09	6	n/a	n/a		100/110
BCLL BCDI	1	0.0	Code	IB	C2021/TPI2014	Matrix-MS								Weight [,] 142 lb	FT = 20%
		0.0													
LUMBER	2x6 SP No 1				 TCLL: ASCE Plate DOL=1 	: 7-16; Pr=100 .15): Pa=10.0).0 psf (roof l) psf: Pf=11.9	_L:Lu 9 psf (m DOL=1 Lum DOL	.15 =					
BOT CHORD	2x6 SP 2400F	= 2.0E	*Except* B2:2x6 SP I	No.1	1.15 Plate D	OL = 1.15); ls:	=1.0; Rough	Cat E	3; Fully Ex	р.;					
WEBS	2x4 SP No.3 ³ 2 0F	*Excep	ot* W2:2x4 SP 2400F		snow load ge	overns. Rain s	, Lu=50-0-0; surcharge ap	plied	to all						
BRACING	2.02				exposed sur	faces with slop	bes less than	0.50	0/12 in						
TOP CHORD	Structural wo	od she lins	athing directly applied	l or	 Provide ade 	quate drainage	e to prevent	water	ponding.						
BOT CHORD	Rigid ceiling of	directly	applied or 2-2-0 oc		 All plates are Provide med 	e MT20 plates hanical conne	unless other ction (bv oth	rwise Iers) o	indicated. of truss to						
WEBS	pracing. <u>1 Row at m</u> id	pt	2-11		bearing plate	e capable of w	ithstanding 5	58 lb u	iplift at joir	nt					
	MiTek recom	mends	s that Stabilizers and		LOAD CASE(S)	Standard).								
	truss erection	ss brac n, in ac	ang be installed during cordance with Stabili	zer	- (-)		-								
	Installation g	uide.			贝底	治治県									
REACTIONS	(size) 6=5	5-08, (n	min. 3-05), 11=5-08, (min.	12:20		I								
	2-0 -=Max Uplift 6	-63 (LC	: 13), 11=-58 (LC 13)		20.00	43.6									
FORCES	Max Grav 6=2	2831 (L	C 2), 11=2761 (LC 2)) 50	100	168.0	Ē								
FURGES	(Ib) - Max. Co (Ib) or less ex	cept wl	ax. Ten All forces 2 hen shown.	50	1.555	抽读论									
TOP CHORD	2-12=-6761/6	38, 3-1 56 ⊿-1	2=-6761/638, 3=-8860/856			KU WAAR VI									
	4-5=-6678/63	30, 4-1 4	00000/000,		<u>QR Link: How to</u>	Read Engineer	Drawings								
BOT CHORD	10-11=-638/6	761, 9- 8	-10=-865/8901,												
WEBS	1-11=-555/82	, 5-6=-	2734/290, 4-7=-2187	299,											
	2-10=0/706, 2 3-10=-2254/2	2-11=-7 39, 8-9	7035/661, 3-9=-490/10)=-856/8860,	J5,											
	4-8=-234/229	9, 5-7=	-690/7240												
NOTES															
1) Wind: ASC	CE 7-16; Vult=1	15mph	n (3-second gust)												
vasu=91m	101, 100L=0.0	psi, BU	vu∟−u.uµsi, n=25it;												

Vasd=9 fmpn; 1CDL=6.0psr; BCDL=6.0psr; n=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job	Т	russ		Truss	Туре		Qty		Ply	Lucy	Quarte	er Towr	homes	6	
B2500281	R	RB06		Flat			2		1	Job F	Referen	ice (op	tional)		
Hiwassee Structu	ral Products, Chat	tanooga	a, TN 37404, Chase Tho	mas		Run: 8.82 S	Oct 31 2024	Print: 8	3.820 S Oct	31 2024	MiTek	Industrie	s, Inc. V	Wed Mar 05 14:02:	17 Page: 1
								ID	:9tKqbbz0A	\d4qBPw	e3J?IIJ	zgg3Q-€	.g?q4Pp	ogMjXGnuli6LlfBYc	_C?j0gRUqY34e7_zdz4N
	/		5 05 14		5.02	21	1-08-00	5	05.14				5	05 14	\rightarrow
			5-05-14		5-02	-06		5.	-05-14				5-0	05-14	
	2x4		M1	BAHS 1	10x12		7x8				5x6			M18	AHS 8x10
У					T1	r	¥.					Т2			
0			Ming	T1						_		12		10/0	
-02-		<u> </u>	25:402			-112	- W1 - W2								
					B1						B2				
·	Ř						A								Ř
	M18AH 2761 lb/-58 lb	IS 8x10)	5x	6	I	M18AHS 10x12				M18A	HS 10x	12	2831 lb/-6	4x4 3 lb
	·														
Camber = 1/8 in			5-05-14		5-04	-02	2-00	ę	5-02-02				5-0	05-14	
Plate Offsets (X	(, Y): [2:3-08,5-1	00], [3:	:4-00,4-08], [5:3-04,3	-08], [6:Edge,3-08], [7	:3-08,5-00], [8:	:4-08,Edge],	[11:3	3-04,3-12]					·	
Loading	(ps	sf)	Spacing		2-00-00	CSI	0.91	DEF	.	in 0.40	(loc)	l/defl	L/d	PLATES	GRIP
Snow (Pf/Pg)	11.9/10	0.0	Lumber DOL		1.15	BC	0.81	Vert	(CT) -	0.49 0.63	9	>532 >411	240 180	M120 M18AHS	186/179
TCDL	20	0.0	Rep Stress Incr		YES	WB Matrix MS	0.85	Horz	z(CT)	0.09	6	n/a	n/a		
BCDL	10	0.0	Code	IBC	2021/1912014	Matrix-INIS								Weight: 142 lb	FT = 20%
				2		7-16 [.] Pr=100	0 nsf (roof l	1.1.0	m DOI =1	15					
TOP CHORD	2x6 SP No.1			2	Plate DOL=1	.15); Pg=10.0	psf; Pf=11.9) psf (Lum DOL	=					
BOT CHORD WEBS	2x6 SP 2400F 2x4 SP No 3 *F	2.0E *	Except* B2:2x6 SP N * W2·2x4 SP 2400F	lo.1	1.15 Plate D Ce=0.9; Cs=	OL = 1.15); Is= 1.00; Ct=1.10,	1.0; Rough: Lu=50-0-0;	Cat B Min. f	3; ⊢ully Ex flat roof	р.;					
	2.0E				snow load go	overns. Rain s	urcharge ap	plied	to all 0/12 in						
BRACING TOP CHORD	Structural woo	d shea	athing directly applied	or .	accordance	with IBC 1608.	3.4.								
	2-1-0 oc purlins	S.		4	 Provide adeo All plates are 	quate drainage e MT20 plates ι	to prevent v unless other	<i>w</i> ater wise i	ponding. indicated.						
BOT CHORD	bracing.	rectly a	applied or 2-2-0 oc	5	5) Provide mec	hanical connec	ction (by oth	ers) o	of truss to	ot					
WEBS	1 Row at midpl	t 2	that Stabilizara and		11 and 63 lb	uplift at joint 6		o in u	ipini at juli	n.					
	required cross	bracir	ng be installed during		OAD CASE(S)	Standard									
	truss erection, Installation out	, in acc ide.	cordance with Stabiliz	er	B lak	867¢/0									
REACTIONS	size) 6=5-	08. (m	in. 3-05), 11=5-08 (i	nin.	<u>/8.5</u>	- C									
	2-05)	12) 11- 50 / 0 10		1926										
n N	viax opiint 6=-6 Max Grav 6=28	331 (LC	тэ), тт=-58 (LC 13) С 2), 11=2761 (LC 2)			5,150%									
FORCES	(lb) - Max. Com	np./Ma	x. Ten All forces 2	50	14-24	14 C 1	:								
TOP CHORD	(ID) OF less exce 2-12=-6615/62	ept wn 4, 3-12	2=-6615/624,			(1940)									
	3-13=-8656/83	7, 4-13	3=-8656/837,		QR Link: How to	Read Engineer l	Drawings								
BOT CHORD	10-11=-624/66	15, 9-1	10=-845/8696,												
WEBS	1-11=-553/81,	5-6=-2	2736/290, 4-7=-2186/	299,											
	2-10=0/709, 2-	11=-68 4 8-9=	899/648, 3-9=-493/10 =-837/8656	6,											
	4-8=-228/2242	, 5-7=-	-676/7098												
NOTES															
1) Wind: ASC	E 7-16; Vult=11	5mph	(3-second gust)												
vasa=91m	pri; TCDL=6.0ps	ST; BCL	DL=0.0pst; n=25tt;												

B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job	T	russ	Truss Type		Qty	Ply	Lucy Quart	er Town	homes		
B2500281	R	B07	Flat		2	1 Job Reference (optional)					
Hiwassee Structu	ral Products, Chat	tanooga, TN 37404, Chase 1	homas	Run: 8.82 S Oct 3	1 2024 Print:	8.820 S Oct	31 2024 MiTek	Industrie	s, Inc. W	/ed Mar 05 14:02:1	17 Pag
	1				IL	CakQaNIBIX	9LHLAI665JZU	lozgg38-e	g?q4Ppg	givijXGnuli6LifBYC	///jJg1vvq134e7_zaz
	/	5-05-14	5-02-	<u>21-98-</u> 06	00	5-05-14		,	5	-05-14	
	I	0.00.11	0.02						Ū		I
	2x4	I	M18AHS 5x8	7x8			3x8	3			5x12
\mathbf{r}			T1					T2		Г	
3-02	W1	DW2	W1	₩2 W1		₩2	W1	-	_	₩2	W1
2-0				-	\sim				\geq		
Ţ	N N N N N N N N N N N N N N N N N N N		шы				L	B2			
		5x8	4x4	M18A	HS 8x10			7x12			4x4
21	u 90-39 D									211310	-33 10
Camber = 1/8 in	/	5-05-14	5-04-	-02		5-04-02		,	5	i-05-14	/
Plate Offsets (X	(, Y): [2:2-00,3-	00], [3:4-00,4-08], [4:3-08	3,1-08], [6:Edge,3-08], [7	:3-08,4-00], [8:4-08	5-00], [10:2	-08,2-12]					
oading	(ps	sf) Spacing	2-00-00	CSI	DEI	FL	in (loc)	l/defl	L/d	PLATES	GRIP
FCLL (roof) Snow (Pf/Pg)	100 11.9/10	.0 Plate Grip DOL .0 Lumber DOL	1.15 1.15	TC BC	0.76 Ver 0.92 Ver	t(LL) -(t(CT) -(0.44 8 0.57 8	>583 >448	240 180	MT20 M18AHS	244/190 186/179
	20	.0 Rep Stress Incr 0 Code	YES IBC2021/TPI2014	WB Matrix-MS	0.72 Hor	z(CT)	0.09 6	n/a	n/a		
BCDL	10	.0								Weight: 142 lb	FT = 20%
LUMBER IOP CHORD 30T CHORD WEBS 3RACING IOP CHORD 30T CHORD WEBS REACTIONS (FORCES IOP CHORD 30T CHORD 30T CHORD	11 10.0 Weight: 142 lb FT = 20% HBER 2 CHORD 2x6 SP No.1 Yeight: 142 lb FT = 20% 11<5										
VEBS IOTES) Wind: ASC Vasd=91m B=25ft; L=2	7-8=-603/6373 1-10=-548/81, 4-7=-2077/280 3-8=-533/118, 5-7=-637/6725 E 7-16; Vult=11 bh; TCDL=6.0pp 5ft; eave=4ft; C	5-6=-2692/284, , 2-9=0/741, 2-10=-6694, 3-9=-2086/205, 4-8=-176 5mph (3-second gust) sf; BCDL=6.0psf; h=25ft; iat. II; Exp B; Enclosed;	631, /1960,								

Job		Truss		Truss Type		Qty	Pl	Ply Lucy Quarter Townhomes					
B2500281		RB08		Flat		2	1		Job Refer	ence (op	tional)		
Hiwassee Structu	ural Products, Ch	attanoo	ga, TN 37404, Chase The	omas	Run: 8.82 S Oct 3	1 2024 Prin	t: 8.820	0 S Oct 3	1 2024 MiTe	k Industrie	es, Inc.)	Wed Mar 05 14:02:1	17 Page: 1
	I						iD:tK	_SqeVcp	iyadi AlbeYr	4XDZGG2k	-eg?q4	rpgivij⊼Gnuli6LltBY	crirjeginqY34e7_zdz4N
	/		5 05 14		21-08-	00	5.05	5 1/		/		5 05 14	
	I		5-05-14	3-1	J2-00		5-00	5-14				5-05-14	
	2x4		M	18AHS 5x8	7x8				3>	8			5x12
\mathbf{b}				T1	¥					Т2			
10	W1			 \//1	W1			1049		1		144	10/1
-03-					402		\leq	402			_	472	
2		\sim		B1					[B2	2		
	\boxtimes				A								X
2	M18AH 2779 lb/-59 lb	IS 5x8		4x4	M18A	HS 8x10				6x14		2779 lb/	4x4 /-59 lb
Camber = 1/8 in) <u> </u>									/			/
	. ,		5-05-14	5-	04-02		5-04	4-02				5-05-14	,
Plate Offsets ()	X, Y): [2:2-08,	2-12], [;	3:4-00,4-08], [4:3-08,	1-08], [6:Edge,3-08]	, [7:3-08,3-12], [8:4-08,	,5-00], [10	:2-08,	,2-12]					
Loading		psf)	Spacing	2-00-0	0 CSI	D	EFL	2	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pa)	1(11.9/	00.0 10.0	Plate Grip DOL	1.1 1 1	5 TC 5 BC	0.74 V 0.90 V	ert(LL) ert(CT	.) -0 Г) -0	.42 8 55 8	>608 >467	240 180	MT20 M18AHS	244/190 186/179
TCDL	11.0/	20.0	Rep Stress Incr	YE	S WB	0.71 H	orz(C	T) 0	.09 6	n/a	n/a		
BCLL BCDL		0.0 10.0	Code	IBC2021/TPI201	4 Matrix-MS							Weight: 143 lb	FT = 20%
	-			2) TCLL: AS	CE 7-16: Pr=100.0 psf	(roof LL ·	Lum F		15				-
TOP CHORD	2x6 SP No.1			Plate DOI	_=1.15); Pg=10.0 psf; F	of=11.9 ps	f (Lun	n DOL =	=				
BOT CHORD WEBS	2x6 SP 2400 2x4 SP No.3	F 2.0E *Excep	*Except* B2:2x6 SP I ot* W2:2x4 SP 2400F	No.1 1.15 Plate Ce=0.9; C	s=1.00; Ct=1.10, Lu=5	Rougn Ca 50-0-0; Mii	t B; Fi n. flat	roof	.;				
	2.0E	•		snow load exposed s	I governs. Rain surcha surfaces with slopes les	arge applie ss than 0.	ed to a 500/12	all 2 in					
BRACING TOP CHORD	Structural wo	od she	athing directly applied	accordance d or 3) Provide a	ce with IBC 1608.3.4.	event wat	or nor	nding					
BOT CHORD	2-2-0 oc purl Riaid ceilina	ins. directlv	applied or 10-0-0 oc	4) All plates	are MT20 plates unles	s otherwis	e indi	icated.					
	bracing.		2 10	5) Provide m bearing pl	echanical connection (ate capable of withstar	(by others nding 59 II) of tru b uplifi	uss to ft at joint	t				
VVED3	MiTek recon	nmends	s that Stabilizers and		b uplift at joint 6.	-		-					
	required cro	ss brac	ing be installed during		of Standard								
	Installation g	guide.											
REACTIONS	(size) 6=	5-08, (r	min. 3-04), 10=5-08, (min.									
I	Z-u Max Uplift 6=	-59 (LC	: 13), 10=-59 (LC 13)	超	64516								
FORCES	Max Grav 6=	2779 (L omn /M	LC 2), 10=2779 (LC 2) ax. Ten All forces 2		5 BAR 2								
	(lb) or less ex	cept w	hen shown.										
	3-12=-8047/7	755, 4-1	2=-8047/755,	QR Link: How	to Read Engineer Drawi	ngs							
BOT CHORD	4-5=-6239/59 9-10=-585/62	91 211, 8-9	9=-774/8136,										
WEBS	7-8=-591/623	39 5-6=-	2694/284										
11200	4-7=-2078/28	30, 2-9=	=0/743, 2-10=-6570/6	19,									
	3-8=-533/118 5-7=-625/659	3, 3-9=- 99	2042/200, 4-8=-174/1	919,									
NOTES		115mr4	(3 second quat)										
Vasd=91m B=25ft; L=2	ph; TCDL=6.0 25ft; eave=4ft;	psf; BC Cat. II;	DL=6.0psf; h=25ft; Exp B; Enclosed;										

MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job		Truss		Truss T	уре		Qty	Ply	/	Lucy Quarte	r Townhor	nes	
B2500281		RB09		Flat Gi	rder		2	3		Job Referen	ce (optiona	al)	
Hiwassee Structu	ural Products, C	hattanoog	a, TN 37404, Chase	Thomas		Run: 8.82 S O	ct 31 2024 F	Print: 8.820 ID:mQlpo) S Oct 3 qWMGH	1 2024 MiTek I M38?J84M7S10	ndustries, Ir)9zgfvt-6sZ(nc. Wed Mar 05 14 CHlqI71f7P2svf2pu	:02:17 Page: ⁻ Jkm9AIP2HPsizmipBfRzdz4M
		2-10-00	2-08-04	1	2-08-04	21-0 2-08-04	<u>8-00</u> 2-08	-04	/	3-07-15		4-05-01	
						5x6							
	2x4		5x6	5x6	5x6	5>	x6	4x4	4		5x10		M18AHS 10x12
2-04-01	W1 4x8	WZ	5x6	T1 W3 5x6	W2 W3 B4	wz w x6	3 JA 4x4	12 W3	AHS 10	T2 ₩4	W3 M18AHS	W5 B2	M18AHS 5x8
73	81 lb/-206 l͡b ^{^0}					-		Spe	ecial			10702	lb/-311Tb" ⁽² 0.00
Camber = 1/8 in Plate Offsets (2	X, Y): [1:2-00	2-10-00 ,0-08], [5	2-08-04	1 04,2-00], [10	2-08-04 D:Edge,3-08], [2-08-04 11:3-04,5-00], [1	2-08	-04 ge], [13:1	/ I-12,2-0	3-07-15 00]	/	4-05-01	/
Loading		(psf)	Spacing		2-00-00	CSI		DEFL		in (loc)	l/defl L	/d PLATES	GRIP
TCLL (roof) Snow (Pf/Pg) TCDL BCLL	1 11.9	00.0 /10.0 20.0 0.0	Plate Grip DOL Lumber DOL Rep Stress Incr Code	IBC2	1.15 1.15 NO 021/TPI2014	TC BC WB Matrix-MS	0.76 1.00 0.98	Vert(LL) Vert(CT Horz(C1) -0 ⁻) -0 Г) 0	.47 12-13 .62 12-13 .10 10	>541 24 >417 18 n/a n	40 MT20 30 M18AHS /a	244/190 186/179
BCDL		10.0										Weight: 452	2 lb FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD REACTIONS	2x6 SP No. 2x6 SP 2400 2x4 SP No. 3 W5:2x4 SP No. 3 Structural w 4-9-8 oc pur Rigid ceiling bracing. (size) 11	P = 5-08, ((* T2:2x6 SP 2400 * W1,W4:2x4 SP 0E athing directly app eept end verticals. applied or 10-0-0 min. 2-15), 17=5-0	2) No.1, lied or oc 3) 08,	3-ply truss to nails as follo Top chords of 2x6 - 2 rows Bottom chorr staggered at Web connec Except mem All loads are except if note CASE(S) see provided to o	be connected to ws: connected as follow staggered at 9-0 is connected as 4-00 oc. ted as follows: 22 ber 7-12 2x4 - 2 considered equa ed as front (F) or ction. Ply to ply c listribute only loa	ogether wit ows: 2x4 - 00 oc. follows: 2x x4 - 1 row rows stagg ally applied back (B) f connections ads noted a	h 10d (0. 1 row at 6 - 3 row at 9-00 o gered at 1 to all pli ace in the s have be as (F) or	.131"x3 9-00 or vs oc, 4-00 oc jes, e LOAE een (B),	") Unifi Va c, Con Va	orm Loads ert: 1-9=-6 centrated I ert: 12=-4(s (lb/ft) 4, 10-17=-20 Loads (lb) 092	
	(n Max Horiz 17 Max Uplift 10 Max Gray 10	nin. 2-01) 7=-48 (LC)=-311 (L) C 11) .C 13), 17=-206 (L (L C 2), 17=7381 (4) _C 13) (I C 2) 5)	Unbalanced design. Wind: ASCE	vise indicated. roof live loads ha 7-16: Vult=115m	ave been c nph (3-sec	onsidere ond aust	ed for th	is CR Link:	How to Rea	ad Engineer Draw	inas
FORCES	(lb) - Max. C (lb) or less e	omp./Ma xcept wh	x. Ten All forces	s 250	Vasd=91mpl B=25ft; L=25	n; TCDL=6.0psf; ift; eave=4ft; Cat.	BCDL=6.0 . II; Exp B;	psf; h=2 Enclose	, 5ft; d;	<u>QA LIIK.</u>	now to Kee	ad Engineer Draw	<u>mys</u>
TOP CHORD	1-17=-402/5 3-4=-18768/ 5-18=-26675 6-19=-33765 7-8=-38591/ 9-10= 10482	1, 1-2=-2 981, 4-5= 5/1318, 6 5/1568, 7 1694, 8-9	255/42, 2-3=-9900 =-26675/1318, -18=-26675/1318, -19=-33765/1568, 9=-22803/1064,	/552, , 6)	MWFRS (dir cantilever lef right expose reactions sho TCLL: ASCE	ectional) and C-C t and right expos d;C-C for membe own; Lumber DO 7-16; Pr=100.0	C Corner (sed ; end v ers and for DL=1.60 pla psf (roof L	3) zone; ertical lef ces & MV ate grip D L: Lum D	ft and WFRS f OOL=1.6 OOL=1.	or 60 15			
BOT CHORD	16-17=-588/ 14-15=-1354 12-13=-1717	9900, 15 9900, 15 1/26675, 7/38443, 37	-16=-1016/18768, 13-14=-1602/337(11-12=-1072/228(, 65, 03,	Plate DOL=1 1.15 Plate D Ce=0.9; Cs= snow load qu	.15); Pg=10.0 ps OL = 1.15); Is=1. 1.00; Ct=1.10, Lu overns. Rain sur	sf; Pf=11.9 .0; Rough u=50-0-0; charge ap	psf (Lum Cat B; Fu Min. flat i plied to a	n DOL = ully Exp roof all	= ;			
WEBS 9-11=-1126/24432, 7-12=-207/3334, 8-12=-728/17832, 8-11=-9493/506, 7-13=-5709/223, 2-16=-259/6089, 2-17=-11769/638, 3-16=-10822/537, 3-15=-214/5604, 4-15=-9649/426, 4-14=-145/4901, 6-14=-8651/317, 6-13=-113/3906 exposed surface accordance with 7 Provide adequat 8 All plates are MT 9 The Fabrication 10 Provide mechan bearing plate ca 17 c=d 214 br						aces with slopes with IBC 1608.3.4 quate drainage to MT20 plates un ion Tolerance at hanical connection e capable of withs b uplift at joint 10	s less than 4. o prevent w less othen joint 12 = on (by othe standing 20	0.500/12 vater pon wise india 4% ers) of tru 06 lb upli	2 in nding. cated. uss to ift at join	nt			

NOTES

- 1) Special connection required to distribute bottom chord loads equally between all plies.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 12526 Ib down and 399 lb up at 13-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB10	Flat	2	1	Job Reference (optional)

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6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,1-12], [3:Edge,1-12], [5:6-00,1-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL		(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.80 0.19 0.61	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.21 0.00	(loc) 5 5 4	l/defl >966 >744 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 89 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SF 2x6 SF 2x4 SF	P No.1 P No.1 P No.3 *Excep	ot* W2:2x4 SP No.1	5) Provide mee bearing plat 6 and 39 lb LOAD CASE(S)	chanical connec e capable of witl uplift at joint 4. Standard	tion (by oth hstanding 3	ers) of truss 89 lb uplift at	to joint	_				
BRACING TOP CHORD BOT CHORD	Structu 2-7-13 Rigid o bracing MiTek requir truss o Install	ural wood she coc purlins. ceiling directly g. crecommend ed cross brac erection, in a lation guide.	eathing directly applie v applied or 6-0-0 oc s that Stabilizers and cing be installed durin ccordance with Stabil	d or									
REACTIONS ((size) Max Up Max Gra	4= Mecha (min. 2-0' lift 4=-39 (LC av 4=1752 (I	anical, (min. 1-08), 6= 1) 2 13), 6=-39 (LC 13) _C 2), 6=1752 (LC 2)	5-08, <u>QR Link: How to</u>	Read Engineer D	<u>Drawings</u>							
FORCES	(lb) - N	lax. Comp./M	ax. Ten All forces 2	250									
TOP CHORD	1-7=-3	423/456, 2-7=	=-3423/456, - 3423/456										
WEBS	2-55 1-6=-1 2-5=-1 3-5=-4	665/260, 3-4= 944/382, 1-5= 95/3690	3423/430 1665/260, 495/3690,										

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type		Qty	Ply	Lucy Quarter Townhomes	
B2500281	RB11	Flat		2	1	Job Reference (optional)	
Hiwassee Structural Products, C	hattanooga, TN 37404, Chase Th	omas	Run: 8.82 S Oct 31	2024 Print: 8	3.820 S Oct 3	31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17	Page: 1

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6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,1-12], [3:Edge,1-12], [5:6-00,1-08]

				-								
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.80 0.18 0.60	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.16 -0.20 0.00	(loc) 5 5 4	l/defl >999 >773 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 89 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep	ot* W2:2x4 SP No.1	5) Provide med bearing plat 6 and 39 lb LOAD CASE(S)	hanical conne e capable of wi uplift at joint 4. Standard	ction (by oth ithstanding 3	ers) of truss 9 lb uplift at	to joint					
BRACING TOP CHORD BOT CHORD	Structural wood she 2-8-10 oc purlins. Rigid ceiling directly bracing. MiTek recommend: required cross brac	eathing directly applied / applied or 6-0-0 oc s that Stabilizers and cing be installed during										
REACTIONS	(size) 4= Mecha (min 2-02	08, <u>QR Link: How to</u>	Read Engineer	Drawings								

	Max Uplift 4=-39 (LC 13), 6=-39 (LC 13)
	Max Grav 4=1752 (LC 2), 6=1752 (LC 2)
FORCES	(lb) - Max. Comp./Max. Ten All forces 250
	(lb) or less except when shown.
TOP CHORD	1-7=-3360/448, 2-7=-3360/448,
	2-8=-3360/448, 3-8=-3360/448
WEBS	1-6=-1666/260, 3-4=-1666/260,
	2-5=-1947/382, 1-5=-486/3628,

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3-5=-486/3628

- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof result and results of the relation of the relatio snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Provide adequate drainage to prevent water ponding. 3)
- 4) Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB12	Flat	2	1	Job Reference (optional)

ID:AyRXssof9XeBLs7j2bDiWfzgg2M-6sZCHIqI71f7P2svf2pukm9B_PFyPzvzmipBfRzdz4M



2x4

M18AHS 5x8



1717 lb/-40 lb

2-05-10

5x10

1717 lb/-40 M18AHS 3x10

M18AHS 5x8

6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-08]

Loading TCLL (roof) (psf) 100.0 Spacing Plate Grip DOL Lumber DOL 20.0 Spacing EGR (PDOL 1.15) CSI TC DEFL TC in (loc) //deft L/deft Mi8AHS 186/179 Show (P/P) TCDL 20.00 Rep Stress Incr YES 0.18 Vert(CT) 0.13 5 >999 24/190 DCL 20.00 Rep Stress Incr YES WB 0.52 Horz(CT) 0.00 4 n/a n/a NitaHS 186/179 DCDL 10.0 Code IBC2021/TP12014 WB 0.50 Horz(CT) 0.00 4 n/a n/a NitaHS 186/179 DCDL 10.0 Zd SP No.1 Stretchiral Misch Stretchiral Misc													
LUMBER TOP CHORD 2x6 SP No.1 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15; Pg=10.0 psf, Pf=11.9 psf (Lum DOL= 1.15 Plate DOL=1.15; Pg=10.0 psf (Lum DOL=0.0	Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.68 0.19 0.52	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.17 0.00	(loc) 5 5 4	l/defl >999 >911 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 89 lb	GRIP 186/179 244/190 FT = 20%
REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) Max Horiz 6=-51 (LC 9) Max Uplifit 4=-40 (LC 10), 6=-40 (LC 9) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. TOP CHORD 1-6=-1602/258, 1-7=-3196/430, 2-8=-3196/430, 3-4=-1602/258 3-8=-3196/430, 3-4=-1602/258 WEBS 1-5=-439/3127, 2-5=-1784/353, 3-5=-440/3127	LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except Structural wood she 3-3-10 oc purlins, e Rigid ceiling directly bracing. MiTek recommend required cross bract truss erection, in ad Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied o except end verticals. y applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASC Plate DOL= 1.15 Plate Ce=0.9; Cs snow load exposed su accordance 4) Provide ad 5) All plates a 6) Refer to gir 7) Provide me bearing pla 6 and 40 lb LOAD CASE(S) 	E 7-16; Pr=100 DOL = 1.15); Pg=10.0 DOL = 1.15); Isi =1.00; Ct=1.10 governs. Rain s rfaces with slop with IBC 1608 equate drainage ere MT20 plates der(s) for truss chanical conne te capable of w uplift at joint 4.	0.0 psf (roof l psf; Pf=11.9 =1.0; Rough , Lu=50-0-0; surcharge ap pes less thar .3.4. e to prevent ' unless other to truss conr ction (by oth ithstanding 4	L: Lum DOL) psf (Lum D Cat B; Fully Min. flat roo plied to all 1 0.500/12 in water pondir wise indicat nections. ers) of truss 0 lb uplift at	_=1.15 OL = Exp.; f ed. to joint					
NOTES	REACTIONS FORCES TOP CHORD WEBS NOTES	(size) 4= Mecha (min. 2-00 Max Horiz 6=-51 (LC Max Uplift 4=-40 (LC Max Grav 4=1717 (I (lb) - Max. Comp./M (lb) or less except w 1-6=-1602/258, 1-7: 2-7=-3196/430, 2-8: 3-8=-3196/430, 3-4: 1-5=-439/3127, 2-5: 3-5=-440/3127	anical, (min. 1-08), 6=5-0) C 10), 6=-40 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. =-3196/430, =-1602/258 =-1784/353,	8, IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	D Read Engineer	Drawings							

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB13	Flat	2	1	Job Reference (optional)

Page: 1 ID:aX7gVtqYSS1ICKsHjjmP7Hzgg2J-6sZCHlqI71f7P2svf2pukm9BrPF5P_3zmipBfRzdz4M



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-00], [3:Edge,2-00], [5:5-00,1-12]

					_							
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-(1.7 1.7 YE IBC2021/TPI207	0 CSI 5 TC 5 BC S WB 4 Matrix-MS	0.69 0.18 0.51	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.17 0.00	(loc) 5 5 4	l/defl >999 >943 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 90 lb	GRIP 186/179 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Exce Structural wood shu 3-4-1 oc purlins, e: Rigid ceiling direct bracing. MiTek recommence required cross bra truss erection, in a Installation guide.	pt* W3:2x4 SP No.3 eathing directly applied or xcept end verticals. y applied or 10-0-0 oc Is that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: AS Plate DO 1.15 Plate Ce=0.9; (snow loa: exposed accordan 4) Provide a 5) All plates 6) Refer to (7) Provide r bearing p 6 and 40 LOAD CASE 	CE 7-16; Pr=100 =1.15); Pg=10.0 = DOL = 1.15); Is constant of the second powerns. Rain surfaces with slo ce with IBC 1608 dequate drainag are MT20 plates irder(s) for truss lechanical conne ate capable of w b uplift at joint 4. S) Standard	0.0 psf (roof I 0 psf; Pf=11.9 =1.0; Rough 0, Lu=50-0-0; surcharge ap pes less thar 3.3.4. e to prevent 1 to truss conrection (by oth vithstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondir wise indicat rections. ers) of truss 0 lb uplift at	=1.15 IOL = Exp.; if ng. ed. to joint					
REACTIONS FORCES TOP CHORD WEBS	(size) 4= Mech. (min. 2-0 Max Horiz 6=-52 (Ld Max Uplift 4=-40 (Ld Max Grav 4=1717 ((lb) - Max. Comp./N (lb) or less except v 1-6=-1604/259, 1-7 2-7=-3141/423, 2-8 3-8=-3141/423, 3-4 1-5=-434/3083, 2-5 3-5=-435/3083	anical, (min. 1-08), 6=5-0 0) C 9) C 10), 6=-40 (LC 9) LC 2), 6=1717 (LC 2) Aax. Ten All forces 250 vhen shown. =-3141/423, =-3141/423, =-1604/259 =-1789/354,	8.	to Read Engineer	r Drawings							
NOTES												

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB14	Flat	2	1	Job Reference (optional)

Page: 1 ID:_60o7vsQIMPK3nasOsK6lwzgg2G-6sZCHlqI71f7P2svf2pukm9BrPF5P_CzmipBfRzdz4M



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

				-								
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.69 0.18 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.13 -0.16 0.00	(loc) 5 5 4	l/defl >999 >972 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 90 lb	GRIP 186/179 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-4-9 oc purlins, ex Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied or coept end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASC Plate DOL= 1.15 Plate I Ce=0.9; Cs snow load g exposed su accordance 4) Provide ade 5) All plates ar 6) Refer to girr 7) Provide me bearing plat 6 and 40 lb LOAD CASE(S) 	E 7-16; Pr=100 1.15); Pg=10.0 OOL = 1.15); Is =1.00; Ct=1.10 joverns. Rain 3 rfaces with slog with IBC 1608 equate drainage e MT20 plates der(s) for truss chanical conne e capable of w uplift at joint 4.	0.0 psf (roof I) psf; Pf=11.9 =1.0; Rough , Lu=50-0-0; surcharge ap bes less thar .3.4. e to prevent unless other to truss conn to truss conn to truss conn to the truss conn to	L: Lum DOL b) psf (Lum D Cat B; Fully Min. flat roo plied to all 10.500/12 in water pondin wise indicate rections. ers) of truss 0 lb uplift at	_=1.15 OL = Exp.; f ng. ed. to joint					
REACTIONS FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 2-00) Max Horiz 6=-53 (LC) Max Uplift 4=-40 (LC) Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1606/259, 1-7: 2-7=-3087/415, 2-8: 3-8=-3087/415, 3-4: 1-5=-429/3041, 2-5: 3-5=-430/3041	anical, (min. 1-08), 6=5-0) C 9) C 10), 6=-40 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. 3087/415, =-1606/259 =-1794/355,	8, And And And And And And And And And And	Read Engineer	Drawings							
NOTES												

1

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB15	Flat	2	1	Job Reference (optional)

ID:PhUxIxvJ1HnvwFJR4_tpNYzgg2D-6sZCHIqI71f7P2svf2pukm9BhPFFP_CzmipBfRzdz4M

Page: 1



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.17 0.50	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.16 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES M18AHS MT20 Weight: 90 lb	GRIP 186/179 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-4-15 oc purlins, e Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied of except end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilize	 3) TCLL: ASCE Plate DOL= 1.15 Plate D Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide ade 5) All plates are 6) Refer to gird 7) Provide mec bearing platt. 6 and 41 lb to LOAD CASE(S) 	E 7-16; $Pr=100.0$ 1.15); $Pg=10.0$ p OL = 1.15); $Is=1$ =1.00; Ct=1.10, L overns. Rain su faces with slope with IBC 1608.3 quate drainage t e MT20 plates un ler(s) for truss to shanical connect e capable of with uplift at joint 4.	9 psf (roof L sf; Pf=11.9 .0; Rough .u=50-0-0; rcharge ap s less than o prevent v nless other truss conr ion (by other tstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roof plied to all 0.500/12 in water pondin wise indicate rections. ers) of truss 1 lb uplift at	=1.15 OL = Exp.; f g. ed. to joint					
REACTIONS FORCES TOP CHORD WEBS	(size) 4= Mecha (min. 2-00 Max Horiz 6=-54 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1608/260, 1-7: 2-7=-3035/409, 2-8: 3-8=-3035/409, 3-4: 1-5=-424/2999, 2-5: 3-5=-425/2999	anical, (min. 1-08), 6=5-0) C 10), 6=-41 (LC 9) LC 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. =-3035/409, =-1608/260 =-1798/355,	18, L QR Link: How to	Read Engineer D	<u>rawings</u>							

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type		Qty	Ply	Lucy Quarter Townhomes	
B2500281	RB16	Flat		2	1	Job Reference (optional)	
Hiwassee Structural Products, C	hattanooga, TN 37404, Chase Th	omas Ri	un: 8.82 S Oct 31	2024 Print: 8	3.820 S Oct 3	31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17	Page: 1

ID:pGA3OyxBKC9Uni20l6RW?Bzgg2A-6sZCHlqI71f7P2svf2pukm9BhPFFP_MzmipBfRzdz4M



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.17 0.49	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.15 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 90 lb	GRIP 244/190 186/179 FT = 20%
2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-5-6 oc purlins, ex Rigid ceiling directly bracing. MiTek recommenda required cross brac truss erection, in ac Installation guide.	 3) TCLL: ASCE Plate DOL=' 1.15 Plate D Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide adee 5) All plates are 6) Refer to gird 7) Provide mec bearing plate 6 and 41 lb u LOAD CASE(S) 	E 7-16; Pr=100. I.15); Pg=10.0 OL = 1.15); Is= 1.00; Ct=1.10, overns. Rain s faces with slop with IBC 1608.3 quate drainage MT20 plates to hanical connect hanical connect a capable of with uplift at joint 4. Standard	0 psf (roof L psf; Pf=11.9 :1.0; Rough Lu=50-0-0; urcharge ap es less than 3.4. to prevent v unless other o truss conr otruss conr otion (by oth thstanding 4	L: Lum DOL psf (Lum Do Cat B; Fully Min. flat roof plied to all 0.500/12 in water pondin wise indicate rections. ers) of truss 1 lb uplift at	=1.15 OL = Exp.; f g. ed. to joint						
size) 4= Mecha (min. 2-00 Max Horiz 6=-55 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (L (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1610/260, 1-7 2-7=-2984/402, 2-8= 3-8=-2984/402, 3-4= 1-5=-419/2959, 2-5= 3-5=-420/2959	anical, (min. 1-08), 6=5-0)) > 10), 6=-41 (LC 9) _ C 2), 6=1717 (LC 2) ax. Ten All forces 250 then shown. =-2984/402, =-2984/402, =-1610/260 =-1802/356,	3, I I OR Link: How to	Read Engineer I	Drawings							
	10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Excep Structural wood she 3-5-6 oc purlins, ex Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ar installation guide. size) 4= Mecha (min. 2-00 Max Horiz 6=-55 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1610/260, 1-77 2-7=-2984/402, 2-83 3-8=-2984/402, 3-43 1-5=-419/2959, 2-55 3-5=-420/2959	10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. size) 4= Mechanical, (min. 1-08), 6=5-04 (min. 2-00) Max Horiz 6=-55 (LC 9) Max Uplift 4=-41 (LC 10), 6=-41 (LC 9) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 2-7=-2984/402, 2-8=-2984/402, 3-8=-2984/402, 3-4=-1610/260 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959	 10.0 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 3) TCLL: ASCE Plate DOL=7 1.15 Plate DOL=7 1.15 Plate DOL=7 1.15 Plate DOL=6 1.15 Plate DOL=6 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) Max Horiz 6=-55 (LC 9) Max Uplift 4=-41 (LC 10), 6=-41 (LC 9) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 3-8=-2984/402, 3-4=-1610/260 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959 	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizer and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) Max Horiz 6=-55 (LC 9) Aax Grav 4=1717 (LC 2), 6=1717 (LC 2) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 2-8=-2984/402, 3-8=-2984/402, 3-4=-1610/260 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959 	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof L Plate DOL=1.15); Pg=10.0 psf; Pf=11.9; 1.15 Plate DOL = 1.15); Is=1.0; Rough C=0.9; Cs=1.00; Ct=1.10, Lu=50-00; snow load governs. Rain surcharge ap exposed surfaces with slopes less than accordance with IBC 1608.3.4. 4) Provide adequate drainage to prevent M SAII plates are MT20 plates unless other 6) Refer to girder(s) for truss to truss control of acting. miTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) Max Horiz 6=-55 (LC 9) Max Uplift 4=-41 (LC 10), 6=-41 (LC 9) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 2-7=-2984/402, 3-4=-1610/260 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959 	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer installation guide. Mitek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance stable during trust erection during trust erection, in accordance stable during trust erection, in accordance stable during trust erection, in accordance stable during trust erection during trust erection during trust erection during trust erection, in accordance stable during trust erection, in accordance stable during trust erection, in accordance stable during trust erection during trust erection during trust erection during trust erection, in accordance stable during trust erection duri	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 3.5-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during trust erection, in accordance with Stabilizer fustallation guide. size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) fax Horiz 6=-55 (LC 9) Aax Uplift 4=-411 (LC 10), 6=-411 (LC 9) Aax Grav 4=17177 (LC 2), 6=-1717 (LC 2) (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 2-7=-2984/402, 3-4=-1610/260 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959 	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 35-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 co bracing. Mir Bek recommends that Stabilizers and required cross bracing be installed during trust erection, in accordance with Stabilizer antallation guide. size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) Kax Grav 4=1717 (LC 2), 6=1717 (LC 2) (b) - Max. Comp./Max. Ten All forces 250 (b) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 2-8=-2984/402, 2-8=-2984/402, 2-8=-2984/402, 3-8=-180/2806 How to read Engineer Drawings 	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer stallation guide. 3) A Control (LC 2), 6=1717 (LC 2) (LD 1), 6=-41 (LC 9) Aax Horiz 6=-55 (LC 9) Aax Horiz 6=-55 (LC 9) Aax Horiz 6=-55 (LC 9) Aax Grav 4=1717 (LC 2), 6=1717 (LC 2) (b) - Max Comp./Max Ten All forces 250 (b) or less except when shown. 1-6=-1610/260, 1-7=-2984/402, 2-8=-2984/402, 3-8=-1610/260 1-5=-419/2959, 2-5=-1802/356, 3-5=-420/2959 	 10.0 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 3) TCLL: ASCE 7-16; Pr=10.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL= 1.15 Plate DOL=1.15); Pg=10.0 psf, Pf=11.9 psf (Lum DOL=1.15 Plate DOL=1.15; Plate DOL=1.	10.0 Weight: 90 lb 2x6 SP No.1 2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except* W3:2x4 SP No.3 3) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.16), Is=-10, Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0.0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with BC 1608.3.4. 4) MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. 4) Provide adequate drainage to prevent water ponding. Size) 4 = Mechanical, (min. 1-08), 6=-508, (min. 2-00) Furdite capable of withstanding 41 lb uplift at joint 4. Aux Uplift 4=-41 (LC 10), 6=-41 (LC 2) (lb) or less except when shown. 1-6=-1610/260, 1-7=-2984/402; 2-7=-2984/402; 2-3=-2984/402; 2-7=-2984/402; 2-3=-2984/402; 3-8=-2984/402; 2-3=-1802/356, 3-8=-2984/402; 3-4=-1610/280, 1-7=-2984/402; 3-8=-2984/402; 3-4=-1610/280, 1-7=-2984/402; 3-8

I

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB17	Roof Special	3	1	Job Reference (optional)

Page: 1 ID:?SRxzzulkU6GmraCtCL2irzgg0x-mAHkorzqljAQrunCMa1iDlfEfFLEDQVkXajq4kzdz4A



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.70 0.16 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.15 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 90 lb	GRIP 244/190 186/179 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except Structural wood she 3-5-15 oc purlins, e Rigid ceiling directly bracing. MiTek recommend- required cross brack truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied of except end verticals. <i>y</i> applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASCE Plate DOL=' 1.15 Plate DOL=' Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide ader 5) All plates are 6) Refer to gird 7) Provide mec bearing plate 6 and 41 lb to LOAD CASE(S) 	E 7-16; $Pr=100$. 1.15); $Pg=10.0$ OL = 1.15; $Is=1.00; Ct=1.10,overns. Rain sfaces with slopwith IBC 1608.quate drainagea MT20 plates tchanical connecta capable of wituplift at joint 4.Standard$	0 psf (roof L psf; Pf=11.9 :1.0; Rough Lu=50-0-0; urcharge ap es less than s 4. to prevent v unless other o truss conr ction (by other thstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roof plied to all 0.500/12 in vater pondin wise indicate rections. ers) of truss 1 lb uplift at	=1.15 OL = Exp.; f g. ed. to joint					
REACTIONS (FORCES FOP CHORD WEBS	(size) 4= Mecha (min. 2-00 Max Horiz 6=-56 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-6=-1611/261, 1-7= 2-7=-2935/396, 2-8= 3-8=-2935/396, 3-4= 1-5=-414/2920, 2-5= 3-5=-416/2920	anical, (min. 1-08), 6=5-0)) > 10), 6=-41 (LC 9) _ C 2), 6=1717 (LC 2) lax. Ten All forces 250 /hen shown. 2935/396, 2935/396, 1611/261 1806/356,	8, Provide the second s	Read Engineer I	Drawings							

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB18	Roof Special	1	1	Job Reference (optional)

Page: 1 ID:?SRxzzulkU6GmraCtCL2irzgg0x-6sZCHlqI71f7P2svf2pukm9AXPFQP_XzmipBfRzdz4M



6-09-00

6-09-00

Plate Offsets (X, Y): [1:Edge,2-04], [3:Edge,2-04], [4:Edge,3-08], [5:5-00,1-12]

													_
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.71 0.16 0.48	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.11 -0.14 0.00	(loc) 5 5 4	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 91 lb	GRIP 244/190 186/179 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.1 *Except Structural wood she 3-6-5 oc purlins, ex Rigid ceiling directly bracing. MiTek recommenda required cross brack truss erection, in ac Installation guide.	ot* W3:2x4 SP No.3 eathing directly applied or cept end verticals. v applied or 10-0-0 oc s that Stabilizers and cing be installed during coordance with Stabilizer	 3) TCLL: ASCE Plate DOL=' 1.15 Plate DOL=' Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide ader 5) All plates are 6) Refer to gird 7) Provide mec bearing plate 6 and 41 lb to LOAD CASE(S) 	E 7-16; $Pr=100$. 1.15); $Pg=10.0$ OL = 1.15; $Is=1.00; Ct=1.10,overns. Rain sfaces with slopwith IBC 1608.quate drainagePT20$ plates to er(s) for truss t chanical connect e capable of with uplift at joint 4. Standard	0 psf (roof L psf; Pf=11.9 =1.0; Rough Lu=50-0-0; urcharge ap les less than 3.4. to prevent v unless other to truss conr ction (by other thstanding 4	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondin wise indicate rections. ers) of truss 1 lb uplift at	_=1.15 OL = Exp.; f ng. ed. to joint						
REACTIONS (FORCES TOP CHORD WEBS NOTES	(size) 4= Mecha (min. 2-00 Max Horiz 6=-57 (LC Max Uplift 4=-41 (LC Max Grav 4=1717 (L (lb) - Max. Comp./M (lb) or less except w 1-6=-1613/261, 1-7= 2-7=-2891/390, 2-8= 3-8=-2891/390, 3-4= 1-5=-410/2884, 2-5= 3-5=-411/2884	anical, (min. 1-08), 6=5-0)) ; 10), 6=-41 (LC 9) .C 2), 6=1717 (LC 2) ax. Ten All forces 250 then shown. 2891/390, 2891/390, 1613/261 1809/357,	8, Provide the second s	Read Engineer	Drawings								

1) Unbalanced roof live loads have been considered for this

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB19	Flat Girder	2	2	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

 Run: 8.82 S
 Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17
 Page: 1

 ID:1Dd608vOLJjV?Sm5rM36vKzefU_-6sZCHIql71f7P2svf2pukm9IBP5yPxOzmipBfRzdz4M



HUS26

THDH26-2

Plate Offsets (X, Y): [1:1-12,1-12], [3:1-12,1-12], [5:4-00,4-12]

											_		
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190	
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.07	5-6	>999	180			
TCDI	10.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	n/a	-	n/a	n/a			
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MP	0.00	1.0.2(01)							
BCDI	10.0	oode	1002021/11 12014	Widdix-Wi							Woight: 120 lb	ET - 20%	
	10.0										Weight. 120 lb	11 - 2070	
			5) TCLL: ASC	E 7-16: Pr=20.0 g	osf (roof Ll	.: Lum DOL=	=1.15						
TOP CHORD	2v6 SP No 1		Plate DOI =	1 15) [.] Pa=10 0 p	sf Pf=11	ansf (Lum D	OI =						
BOT CHORD	2x6 SP No 1		1 15 Plate [OI = 1.15 $Is=1$	0. Rough	Cat B: Fully	Fxp						
MERS	2x0 3F N0.1		Ce=0.9: Cs	=1 00 [.] Ct=1 10 1	u=50-0-0	Min flat roo	,						
WEDS	2X4 SF N0.5		snow load o	overns Rain su	rcharge ar	nlied to all	•						
BRACING			exposed su	faces with slope	s less that	0.500/12 in							
TOP CHORD	Structural wood she	eathing directly applied o	r accordance	with IBC 1608 3	4								
	6-0-0 oc purlins, ex	cept end verticals.	6) Provide ade	quate drainage t	o prevent	water pondin	na						
BOT CHORD	Rigid ceiling directly	/ applied or 10-0-0 oc	 Refer to gire 	der(s) for truss to	truss con	nections	.9.						
	bracing.		8) Provide me	chanical connecti	ion (by oth	ers) of truss	to						
REACTIONS	(size) 4=5-08, (r	min. 1-08), 6= Mechanica	al, bearing plat	e capable of with	nstanding 1	16 lb uplift a	at joint						
	(min. 1-08	3)	6 and 84 lb	uplift at joint 4.									
	Max Horiz 6=-72 (LC	C 9)	9) Use MiTek	HUS26 (With 14-	16d nails i	nto Girder &	6-16d						
	Max Uplift 4=-84 (LC	C 10), 6=-116 (LC 9)	nails into Tr	uss) or equivaler	nt at 1-11-4	from the lef	ft end						
	Max Grav 4=2003 (I	LC 2), 6=3196 (LC 2)	to connect t	russ(es) RB21 (1	l ply 2x6 S	P) to back fa	ace of						
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250	bottom chor	d.									
	(lb) or less except w	/hen shown.	10) Use Milek	8-16d pails into Truss) or equivalent at 4-1.0 from the left									
TOP CHORD	1-6=-2109/266, 1-2=	=-2644/213,	8-160 nails	8-16d nails into 1russ) or equivalent at 4-1-0 from the left									
	2-3=-2644/213, 3-4=	=-2109/266	face of bott	ect truss(es) RD	zz (z piy z	xo 5P) lo ba	CK						
WEBS	1-5=-298/3292, 2-5=	=-163/292, 3-5=-298/329		olos whore hand	or is in cor	tact with lun	nhor						
NOTES							ibei.						
1) 2-ply truss	s to be connected toge	ether with 10d (0.131"x3"					DI-4-						
nails as fo	ollows:		1) Dead + Sh	ow (balanced): L	umper inc	rease=1.15,	Plate						
Top chord	is connected as follow	/s: 2x4 - 1 row at 9-00 oc	, increase=	.15 ada (lb/#)									
2x6 - 2 rov	ws staggered at 9-00 o	OC.											
Bottom ch	ords connected as fol	llows: 2x6 - 2 rows	Vert: 1-3	5=-44, 4-6=-20									
staggered	l at 4-00 oc.		Concentra	ed Loads (ID)									
Web conn	nected as follows: 2x4	- 1 row at 9-00 oc,	ven: 5=	-744, 7=-712									
Except me	emper 2-5 2x4 - 1 row	at 2-00 oc.											
2) All loads a	are considered equally	/ applied to all plies,	• 3 74										
	loted as front (F) or ba	ack (B) face in the LOAD	100	10.000									
CASE(S)	section. Ply to ply con	nections have been	326	ALL COMES									
	o uistribute offiy loads	Toted as (F) or (B),	1.7.1	STATE:									
3) Unbalance	ed roof live loads have	boon considered for this	. <u>211</u> 20	- H- Real-Real-									
design) and	516-0C-0E-									
 4) Wind ΔS(CE 7-16: Vult=115mpt	h (3-second aust)	1982	5. C.									
Vasd=91r	nph: TCDI = $6.0psf$ · BC	CDI = 6 Opsf h = 25 ft		2013-2017 -									
B=25ft I =	=25ft: eave=4ft: Cat II	: Exp B: Enclosed:		TAU AGAIN AN									
MWFRS ((directional) and C-C (Corner (3) zone:	QR Link: How to	Read Engineer Di	rawings								
cantilever	left and right exposed	; end vertical left and											
right expo	sed;C-C for members	and forces & MWFRS for	or										
reactions	shown; Lumber DOL=	1.60 plate grip DOL=1.6	0										

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB20	Flat Girder	2	2	Job Reference (optional)

ID:WBmrUN3T_HQ3_EpxKDcsPIzgg20-6sZCHlqI71f7P2svf2pukm9CZP6LPuvzmipBfRzdz4M

Page: 1



13) Fill all nail holes where hanger is in contact with lumber.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB21	Flat	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:HjFt969U5kQwyTQUoulkj_zgg1u-6sZCHlqI71f7P2svf2pukm96SPAQPxizmipBfRzdz4M



5-11-09

5-09-13

5-11-09

Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES BC2021/TPI2014	CSI TC BC WB Matrix-MS	0.97 0.48 0.66	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.18 0.04	(loc) 6-8 6-8 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 124 lb	GRIP 244/190 186/179 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 3-5-6 oc purlins, ex Rigid ceiling directly bracing. 1 Row at midpt MiTek recommend required cross brac truss erection, in au Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied or to the end verticals. applied or 10-0-0 oc 2-9 s that Stabilizers and the installed during to cordance with Stabilizer	 3) TCLL: ASCE Plate DOL=7 1.15 Plate DOL Ce=0.9; Cs= snow load ge exposed sur accordance 4) Provide adee 5) All plates are 6) Refer to gird 7) Provide mec bearing plate 9 and 48 lb to LOAD CASE(S) 	F7-16; $Pr=100.0 \text{ psf}$ I.15; $Pg=10.0 psf$; $IOL = 1.15$; $Is=1.0$; I.00; $Ct=1.10$, $Lu=5overns. Rain surchafaces with slopes lewith IBC 1608.3.4.quate drainage to pre-e MT20 plates unlesser(s) for truss to trushanical connectione capable of withstauuplift at joint 5.Standard$	(roof L Pf=11.9 Rough 50-0-0; arge ap ss than event v s other ss conr (by oth nding 4	L: Lum DOL o psf (Lum DO Cat B; Fully Min. flat roof plied to all 0.500/12 in water pondin, wise indicate nections. ers) of truss 8 lb uplift at	=1.15 OL = Exp.; f ed. to joint					
REACTIONS (FORCES TOP CHORD BOT CHORD WEBS	(size) 5=5-08, (i (min. 1-08) Max Horiz 9=72 (LC) Max Uplift 5=-48 (LC) Max Grav 5=2270 (I (Ib) - Max. Comp./M (Ib) or less except w 1-9=-585/100, 2-3=- 3-11=-3341/389, 4-7 4-5=-2189/286 8-9=-439/3296, 7-8= 6-7=-419/3624, 2-9= 3-6=-1491/268	min. 2-11), 9= Mechanica 3) 12) 13), 9=-48 (LC 13) LC 2), 9=2270 (LC 2) fax. Ten All forces 250 when shown. 3302/382, 11=-3341/389, =-419/3341, =-3601/427,	n, Alternative CR Link: How to	Read Engineer Drawi	ngs							

NOTES

- 1) Unbalanced roof live loads have been considered for this
- design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; 2) B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job	Truss		Truss Type		Qty	Ply	Luc	y Quarte	er Town	home	s	
B2500281	RB22	2	Flat Girder		2	2	Job	Refere	nce (opt	ional)		
Hiwassee Structura	al Products, Chattanoc	oga, TN 37404, Chase Tho	omas	Run: 8.82 S Oct 31	2024 Prir	nt: 8.820 S	Oct 31 202	24 MiTek	Industrie	s, Inc.	Wed Mar 05 14	:02:17 Pag
	I					ID. PESIGA	nikpi i vo m	5FU?X47	529916-0	5201	iqi7 ii7F2Svi2pu	
	/	5-11-09	/	17-09- 5-09-2	00		_/			5-11	-09	
		0-11-00	7,0	0.00-	10		2~10			0-11	-00	
	5x6		7.xo				3810					4x4
\mathbf{b}		T1	- A					T2				
							T	\leq				
-07	W1	W2	W1		N2		W1		W2	_		W1
3-03											\sim	
							П					
			L <u>B1</u>							B2 ∏_]		
						•						
2360	lb/-59 lb 2x4		4x8		5:	x6	2x4				2669	lb/-96 lb ^{4x4}
									J	US24		
	7		/				,					
		5-11-09		5-09-7	13		/			5-11	-09	7
Plate Offsets (X,	Y): [2:4-00,4-08],	[4:Edge,3-08], [8:2-12,	1-12]									
Loading	(psf)	Spacing	2-00-00	csi		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pg)	100.0 11.9/10.0	Plate Grip DOL Lumber DOL	1.15 1.15	TC BC	0.43 V 0.52 V	/ert(LL) /ert(CT)	-0.08 -0.10	6-8 5-6	>999 >999	240 180	MT20	244/190
TCDL	20.0 0.0	Rep Stress Incr Code	NO IBC2021/TPI2014	WB Matrix-MS	D.78 ⊢	lorz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	oode	1002021/11/12014	Matrix-WO							Weight: 248	8 lb FT = 20%
LUMBER			4) Wind: ASCE	7-16; Vult=115mph (3-secor	nd gust)		<u>QR Link</u>	: How to	Read	Engineer Draw	<u>vings</u>
TOP CHORD 2 BOT CHORD 2	2x6 SP No.1 2x6 SP No.1		Vasd=91mp B=25ft; L=2	h; TCDL=6.0psf; BCL 5ft; eave=4ft; Cat. II; E	L=6.0p Exp B; E	sf; h=25ft; inclosed;						
WEBS 2	2x4 SP No.3		MWFRS (dir cantilever le	rectional) and C-C Co ft and right exposed ;	rner (3) end ver	zone; tical left a	nd					
TOP CHORD	Structural wood she	eathing directly applied	l or right expose reactions sh	d;C-C for members a own; Lumber DOL=1.	nd force 60 plate	es & MWF	RS for .=1.60					
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 oc	5) TCLL: ASCE	E 7-16; Pr=100.0 psf (roof LL:	Lum DOL	.=1.15					
REACTIONS (s	pracing. ize) 5=5-08 ((min 1-09) 9= Mechan	Plate DOL=	1.15); Pg=10.0 psf; Pi OL = 1.15): Is=1.0: R	=11.9 p ough Ca	sf (Lum D at B: Fullv	OL = Exp.:					
MEXTERNOIS (C	(min. 1-0)	(1111) 1 00), 0 1000101 (8) (9)	Ce=0.9; Cs=	=1.00; Ct=1.10, Lu=50	-0-0; Mi de appli	in. flat roo	f					
M	ax Uplift 5=-96 (LC	C 13), 9=-59 (LC 13)	exposed sur	faces with slopes less	s than 0.	.500/12 in						
M FORCES (ax Grav 5=2669 (lb) - Max. Comp./N	LC 2), 9=2360 (LC 2) /ax. Ten All forces 25	50 6) Provide ade	quate drainage to pre	vent wa	ter pondin	ıg.					
	lb) or less except w	when shown. 0=-3485/405	 7) Refer to gird 8) Provide med 	ler(s) for truss to truss chanical connection (b	connectory others	ctions. s) of truss	to					
	2-10=-3485/405, 2-3	3=-3485/405,	bearing plate 9 and 96 lb i	e capable of withstan uplift at joint 5.	ding 59 l	lb uplift at	joint					
BOT CHORD	7-8=-471/3777, 6-7	=-471/3777,	 Use MiTek J nails into Tru 	US24 (With 4-10d na	ils into (4-4-12 1	Girder & 2	-10d eft end					
WEBS	1-8=-443/3773, 2-8	=-1483/256, 3-8=-325/	67, to connect tr	russ(es) RB23 (1 ply 2	2x6 SP)	to front fa	ce of					
NOTES	3-6=0/445, 3-5=-40	168/479	10) Fill all nail h	oles where hanger is	n conta	ct with lun	nber.					
 2-ply truss to nails as follo 	be connected toge ws:	ether with 10d (0.131">	(3") LOAD CASE(S) 1) Dead + Sno	Standard ow (balanced): Lumbe	er Increa	ase=1.15,	Plate					
Top chords of 2x6 - 2 rows	connected as follow	vs: 2x4 - 1 row at 9-00	oc, Increase=1 Uniform Lo	.15 ads (lb/ft)								
Bottom chor	ds connected as fo	llows: 2x6 - 2 rows	Vert: 1-4 Concentrat	=-64, 5-9=-20 ed Loads (lb)								
Web connect	ted as follows: 2x4	- 1 row at 9-00 oc.	Vert: 12=	-173								
All loads are except if not	ed as front (F) or ba	y applied to all plies, ack (B) face in the LOA		387 <i>12</i> 10								
CASE(S) se provided to o	ction. Ply to ply con distribute only loads	nnections have been s noted as (F) or (B),	· · · · · · · · · · · · · · · · · · ·									
unless other 3) Unbalanced	wise indicated. roof live loads have	e been considered for	this									
design.				7. A B								
				EUT-WARVE								

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB23	Flat Girder	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:ieJw3owNpx4kissaoLnMZbzgcSN-b37aV5rwuKn_0CR5DmK7HziSgpcR8Xi7?MZkBtzdz4L



JUS24



						•						
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code I	2-00-00 1.15 1.15 NO BC2021/TPI2014	CSI TC BC WB Matrix-MP	0.30 0.11 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 n/a	(loc) 3-4 3-4 -	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 30 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORE BOT CHORE WEBS BRACING TOP CHORE BOT CHORE	 2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 Structural wood she 3-8-8 oc purlins. Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ar Installation guide. 	eathing directly applied or γ applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 Use MiTek J nails into Tru to connect tr bottom chord Fill all nail ha Hanger(s) or provided suf down and 52 design/select responsibility LOAD CASE(S) Dead + Snot Increase=1 Uniform Lo 	UIS24 (With 4-1(uss) or equivaler uss(es) RB24 (1 d. oles where hang r other connectio ficient to support 4 lb up at 3-2-4 (tition of such con y of others. Standard ow (balanced): L .15 ads (lb/ft)	Od nails int it at 1-8-12 ply 2x4 S er is in cor n device(s t concentra on bottom nection de umber Inc	o Girder & 2: P from the lef P) to back fa ntact with lun s) shall be ated load(s) ' chord. The vice(s) is the rease=1.15,	-10d ft end ace of nber. 120 lb e Plate					
REACTIONS	(size) 3=5-08, ((min. 1-08) Max Uplift 3=-85 (LC) Max Gray 3=585 (L)	min. 1-08), 4= Mechanical 8) C 9), 4=-47 (LC 9) C 2), 4=509 (LC 2)	, Vert: 1-2 Concentrate Vert: 5=-	=-64, 3-4=-20 ed Loads (lb) 76, 6=-82								
FORCES WEBS NOTES 1) Wind: AS Vasd=91 B=25ft; L MWFRS cantilever right export reactions	(b) - Max. Comp./M (b) or less except w 1-4=-410/112, 2-3=- CE 7-16; Vult=115mpl mph; TCDL=6.0psf; B(=25ft; eave=4ft; Cat. II (directional) and C-C (r left and right exposed osed;C-C for members shown; Lumber DOL=	lax. Ten All forces 250 then shown. -410/112 h (3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Corner (3) zone; d; end vertical left and and forces & MWFRS for =1.60 plate grip DDL=1.60	QR Link: How to	Read Engineer D	rawings							
 TCLL: AS Plate DO 1.15 Plate Ce=0.9; (snow loa exposed accordan Provide a 	CE 7-16; Pr=100.0 ps L=1.15); Pg=10.0 psf; e DOL = 1.15); Is=1.0; Cs=1.00; Ct=1.10, Lu= d governs. Rain surch surfaces with slopes le ce with IBC 1608.3.4. idequate drainage to p	f (roof LL: Lum DOL=1.15 Pf=11.9 psf (Lum DOL = Rough Cat B; Fully Exp.; 50-0-0; Min. flat roof arge applied to all ess than 0.500/12 in revent water ponding.										

- A) Refer to girder(s) for truss to truss connections.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 4 and 85 lb uplift at joint 3.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RB24	Flat	4	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

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						·					i				
Loading	(psf)	Spacing	2-00-00	CSI	0.14	DEFL	in n/o	(loc)	l/defl	L/d	PLATES	GRIP			
FOLL (1001)	20.0	Plate Grip DOL	1.15		0.14	Vert(LL)	n/a	21	11/a	1999	101120	244/190			
	10.0	Pop Stross Incr	1.15 VES		0.03		0.00	3-4	~999 n/a	100 n/a					
BCU	10.0	Code	IBC2021/TPI2014	Matrix_MP	0.05	11012(01)	n/a	-	II/a	n/a					
BCDI	10.0	Code	1002021/11 12014	Wath X-IVII							Weight [.] 24 lb	FT = 20%			
											Wolght. 2 His				
LUMBER			LOAD CASE(S)	Standard											
TOP CHORD	2x4 SP No.1														
BOT CHORD	2x4 SP No.1		in laid	9200-57 E											
WEBS	2x4 SP No.3		100 C												
BRACING															
TOP CHORD	Structural wood she	eathing directly applied	or 170	ST 1. 30 -											
	3-3-8 oc purlins, ex	xcept end verticals.	20102	3-3-3-6											
BOT CHORD	Rigid ceiling directly	y applied or 10-0-0 oc		10-11 C											
	bracing.														
	Milek recommend	is that Stabilizers and		60 A267											
	truss erection in a	cordance with Stabilize		Deed Frederic Dee											
	Installation guide.		QR Link: How to	Read Engineer Dra	<u>awings</u>										
REACTIONS	(size) 3=5-08, (min. 1-08), 4= Mechani	cal,												
	(mm. 1-0) Max Horiz 4=-76 (1 (0) 2.9)													
	Max Uplift 3=-46 (LC	C(10) 4 = -46 (IC 9)													
	Max Grav 3=134 (L	C 22), 4=134 (LC 23)													
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25)												
NOTES	()														
1) Unbalance	ed roof live loads hav	e been considered for th	nis												
design.															
2) Wind: ASC	CE 7-16; Vult=115mp	h (3-second gust)													
Vasd=91n	npn; TCDL=6.0pst; B	CDL=6.0pst; n=25π;													
MWERS (directional) and C-C (Corner (3) zone:													
cantilever	left and right exposed	d : end vertical left and													
right expo	sed;C-C for members	and forces & MWFRS	for												
reactions	shown; Lumber DOL=	=1.60 plate grip DOL=1.	60												
			-												
3) TCLL: AS	CE 7-16; Pr=20.0 pst	(root LL: Lum DOL=1.1	5												
1 15 Plate	DOI = 1.15), Fg = 10.0 psi,	Rough Cat B: Fully Fx	- -												
Ce=0.9; C	s=1.00; Ct=1.10, Lu=	50-0-0; Min. flat roof	- ,												
snow load	governs. Rain surch	narge applied to all													
exposed s	surfaces with slopes le	ess than 0.500/12 in													
accordanc	ce with IBC 1608.3.4.														
4) Provide ad	pequate drainage to p	prevent water ponding.													
6) Provide m	nuer(s) for truss to tru	(by others) of trues to													
bearing of	ate capable of withsta	anding 46 lb uplift at ioin	t												
4 and 46 l	b uplift at joint 3.	5 <u>-</u>													
Job		Truss		Truss Type			Qty	'	Ply	Lucy	Quarte	er Town	home	s	
--------------------------------------	--------------------------------	----------------------	--	---	--------------	---	------------	-------------------	------------------------	--------------	---------	-------------	------------	------------------	-------------------------------
B2500281		RC01		Flat			1		1	Job R	leferer	nce (opt	ional)		
Hiwassee Structu	ral Products, Ch	nattanoo	ga, TN 37404, Chase Tho	omas		Run: 8.82 S Oct 3	1 2024	Print: 8	8.820 S Oct	31 2024	MiTek	Industrie	s, Inc.	Wed Mar 05 14:02	:17 Page:
								ID:vcH	YKg68s8mz	pQLqrW	2GAD?	zggee-m	AHkor	zqIjAQrunCMa1iDI	fACFDFDLKkXajq4kzdz4 <i>F</i>
			5.05.44	-/	0.5	21-07-	08		5 00 00			/		E 05 00	
			5-05-14	5	-05	-14			5-02-06					5-05-06	
	M18AHS	10x12		5x6 5x8		7x	8				М	18AHS 1	0x12		2x4
ς						A									
5			T1			T2		_				T	3		B
-00-0	W1		N2	W1 W2	_	W1		M	2		W1		V	V2 K	W1
5				B1								B2			
Ň	\bigotimes					A									\bigotimes
282	4x4 7 lb/-62 lb		M18.	AHS 10x12		MT18HS 12	x16				5x	6		2767	M18AHS 8x10 / lb/-57 lb
O				,											
Camber = 3/16 i	n /		5-05-14	5-	-04-	02			5-04-02		/			5-05-06	/
Plate Offsets ()	K, Y): [4:4-00,	4-08], [5:3-08,5-00], [10:3-04	,Edge], [11:3-08,5-0	04]										
Loading		(psf)	Spacing	2-00-0	00	CSI		DEF	 L	in	(loc)	l/defl	I /d	PLATES	GRIP
TCLL (roof)	1	00.0	Plate Grip DOL	1.1	15	TC	0.92	Vert	- (LL) -	0.59	9	>440	240	M18AHS	186/179
Snow (Pf/Pg) TCDL	11.9/	10.0 20.0	Rep Stress Incr	1.1 YE	15 S	BC WB	0.67	Horz	(CT) - <u>z(CT)</u>	0.76 0.09	9 7	>338 n/a	180 n/a	MT20 MT18HS	244/190 244/190
BCLL		0.0	Code	IBC2021/TPI207	14	Matrix-MS		1	()					Woight: 140 lk	ET - 20%
BCDL		10.0				<u>.</u>								weight: 140 li	5 FT = 20%
	2v6 SD No 1			2) TCLL: AS Plate DO		7-16; Pr=100.0 psf	(roof	LL: Lu 9 nsf (m DOL=1	.15 =					
BOT CHORD	2x6 SP 2400	F 2.0E		1.15 Plate		OL = 1.15; Is=1.0; I	Rough	CatE	; Fully Ex	p.;					
WEBS	2x4 SP No.3 2.0E	*Excep	ot* W2:2x4 SP 2400F	snow load	Js= d go	overns. Rain surcha	irge a	pplied	to all						
	o			exposed , accordan	surf ce v	aces with slopes les with IBC 1608.3.4.	s tha	n 0.50	0/12 in						
TOP CHORD	1-6-7 oc purl	ins.	eathing directly applied	1 or 3) Provide a	idec	uate drainage to pr	event	water	ponding.						
BOT CHORD	Rigid ceiling bracing, Ex	directly cept:	applied or 10-0-0 oc	5) Provide n	necl	hanical connection (by oth	iers) o	f truss to						
WERS	6-0-0 oc brad	cing: 11	-12.	bearing p 12 and 57	late 7 lb	e capable of withstar uplift at joint 7.	iding (62 lb u	iplift at joii	nt					
VVLD3	MiTek recor	nmends	s that Stabilizers and		(S)	Standard									
	required cro	ss brac	ing be installed during	zer D		9607 <i>67</i> 10									
	Installation	guide.		78	5										
REACTIONS	(size) 7=	5-08, (r	min. 2-05), 12=5-08, (min.	×										
I	2-ر = Max Uplift 7	-57 (LC	2 13), 12=-62 (LC 13)		ž	5263									
FORCES	Max Grav 7= (lb) - Max Co	2767 (L omp /M	_C 2), 12=2827 (LC 2) ax_Ten All forces 2		ŝ,										
	(lb) or less ex	cept w	then shown.	•••••••••••••••••••••••••••••••••••••••	Ċ,	11474 C									
TOP CHORD	1-2=-7334/69 3-13=-9578/9	95, 2-3= 903, 4-1	9578/903, 13=-9578/903,	<u>QR Link: How</u>	v to	Read Engineer Drawi	<u>ngs</u>								
BOT CHORD	4-14=-7395/6	698, 5-1 27, 10-1	14=-7395/698 11=-695/7334												
	9-10=-695/73	334, 8-9	9=-914/9628,												
WEBS	1-12=-2727/2	289, 6-7	7=-564/83,												
	2-11=-2105/2 4-9=-534/118	285, 1-1 3, 5-8=0	11=-751/7887,)/714, 5-7=-7649/720.												
NOTES	4-8=-2331/22	25, 2-9=	-216/2337												
1) Wind: ASC	E 7-16; Vult=	115mph	n (3-second gust)												
Vasd=91m B=25ft [.] I =:	ph; TCDL=6.0 25ft: eave=4ft	psf; BC	CDL=6.0psf; h=25ft; Exp B: Enclosed												
MWFRS (c	lirectional) and	1 C-C C	Corner (3) zone;												
right expos	ed;C-C for me	embers	and forces & MWFRS	S for											
reactions s	hown; Lumbe	r DOL=	1.60 plate grip DOL=	1.60											

Job	Truss		Truss Type		Qty		Ply	Lucy	Quarte	er Town	home	3	
B2500281	RC02	2	Flat		1		1	Job F	Referer	nce (opt	ional)		
Hiwassee Structural Products,	Chattanoo	ga, TN 37404, Chase Th	omas	Run: 8.82 S Oct 37	1 2024 P	Print: 8	.820 S Oct	31 2024	MiTek	Industrie	s, Inc. \	Wed Mar 05 14:02:	17 Page: 1
						ID:OG	Q/GHKOIt	Рувнас	e2BcJu	ıjzggd1-r	nAHkor	zqIjAQrunCMa1iD	lfBrFDaDLUkXajq4kzdz4A
· · · · · · · · · · · · · · · · · · ·		5.05.44		21-07-0)8					,			
		5-05-14	5-04	-02			5-04-02					5-05-06	
M18AF	IS 10x12		5x6	7x8					M	18AHS 1	0x12		2x4
,				A									
			T1							T2	2		
		W2	W1 W2	W1-		W	2		W1		W	2 🛛	W1
~			B1							B2			
, X				A									
2827 lb/ 62 lb		M18	3AHS 10x12	MT18HS 12	x16				5x	6		2767	M18AHS 8x10
2027 ID/-02 ID												2707	di 76-1di
Camber = 3/16 in /		5-05-14		-02			5-04-02		/	/		5-05-06	/
	4 4 001 1	(4.2.00 5.00) [0.2.00]	Educal (40:2,00,5,04)										
	i,4-08], [4:3-08,5-00], [9:3-08, 1	Eage], [10:3-08,5-04]									· · · · · ·	
Loading	(psf) 100.0	Spacing	2-00-00	CSI	0.88	DEF	L 11) -	in 0.56	(loc) 8	l/defl ⊳459	L/d 240	PLATES	GRIP
Snow (Pf/Pg) 11.9	9/10.0	Lumber DOL	1.15	BC	0.65	Vert(CT) -	0.50	8	>459 >354	240 180	MT20	244/190
TCDL	20.0	Rep Stress Incr	YES	WB Matrix-MS	0.80	Horz	(CT)	0.09	6	n/a	n/a	MT18HS	244/190
BCDL	10.0	Code	1002021/1112014	Wat IX-IVIS								Weight: 140 lb	FT = 20%
			2) TCLL ASCE		(roof L	l · Lur	m DOI =1	15					
TOP CHORD 2x6 SP No.	1		Plate DOL=1	1.15); Pg=10.0 psf; F	f=11.9	psf (l	um DOL	_ =					
WEBS 2x6 SP 240	0F 2.0E 3 *Excer	ot* W2:2x4 SP 2400F	Ce=0.9; Cs=	-1.00; Ct=1.10, Lu=5	0-0-0; I	Min. f	; ⊢uiiy ⊑x lat roof	ф. <u>;</u>					
2.0E			snow load g exposed sur	overns. Rain surcha faces with slopes les	rge app s than	plied 1 0.500	to all)/12 in						
TOP CHORD Structural v	vood she	eathing directly applie	d or 3) Provide ade	with IBC 1608.3.4.	overtw	vator	oonding						
1-9-9 oc pu BOT CHORD Rigid ceilin	rlins. a directly	applied or 10-0-0 oc	4) All plates are	e MT20 plates unles	s other	wise i	ndicated.						
bracing, E	xcept:		5) Provide mec bearing plate	hanical connection (e capable of withstar	by othe Idina 62	ers) of 2 lb u	f truss to plift at ioi	nt					
WEBS <u>1 Row at m</u>	idpt	4-6	11 and 57 lb	uplift at joint 6.	5		, ,						
MiTek rec	ommend	s that Stabilizers and	LOAD CASE(S)	Standard									
truss erect	ion, in a	ccordance with Stabil	izer										
Installation	ı guide.		- 265	12 C 12									
REACTIONS (size) 6	=5-08, (i -05)	min. 2-05), 11=5-08, ((min.										
Max Uplift 6	=-57 (LC	C 13), 11=-62 (LC 13)											
FORCES (Ib) - Max.	Comp./M	lax. Ten All forces 2	250										
(lb) or less	except w	/hen shown. 2=_0300/880		ST WARKE									
3-12=-9399	/889, 3-	13=-7243/685,	<u>QR Link: How to</u>	Read Engineer Drawin	igs								
4-13=-7243 BOT CHORD 9-10=-678/	/685 7158, 8-9	9=-678/7158,											
7-8=-889/9 WEBS 1-11=-2730	399, 6-7= /290 5-4	=-685/7243 3=-556/82											
2-10=-2102	/285, 1-	10=-733/7712,											
3-8=-552/1 3-7=-2250/	∠1, 4-7=(213, 2-8⊧	0/095, 4-6=-7508/708 =-220/2339	,										
NOTES	=115mm	h (3-second quat)											
Vasd=91mph; TCDL=6	- i iompi .0psf; B0	CDL=6.0psf; h=25ft;											
B=25ft; L=25ft; eave=4 MWFRS (directional) a	ft; Cat. II nd C-C C	; Exp B; Enclosed; Corner (3) zone:											
cantilever left and right	exposed	; end vertical left and	d S for										
reactions shown; Lumb	er DOL=	1.60 plate grip DOL=	:1.60										

Job		Truss		Truss Ty	уре		Qty	PI	у	Lucy Quar	ter Towr	homes	6	
B2500281		RC03		Flat			1	1		Job Refere	ence (op	tional)		
Hiwassee Structural	Products, Ch	attanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024 P	rint: 8.82	0 S Oct 3	1 2024 MiTe	k Industrie	es, Inc. \	Wed Mar 05 14:02:1	
								ID:5L	K2NIVVIXU	JCh i jzzehno	liqzggct-r	nAHKOrz	qijaqrunoma'iiDift	38FEUDMakXajq4kzd
	/		5-05-12	/	5-05	21-07 <u>-</u> 0	8	5-1	02-04		/		5-05-12	
	I		5-05-12		5-05	-12		0-1	02-04				5-05-12	
	M18AHS	8x10		5x6		7x8				N	18AHS 8	x10		M18AHS 5x8
\mathbf{b}					т1	- A	1				т	2		
02	W1		7/2		TA12	W3	_	1413		v	3			
2-01-	-H			H										
				B1							B2			
	\bigotimes					~								Ŕ
2773 II	M18AHS 5 b/-59 lb	5x8	M18	AHS 8x1	0	MT18HS 12	x16			5	k 6		2773 1	M18AHS 5x12 5/-59 lb
Camber = 1/8 in	/		/-								/		/-	/
			5-05-12		5-04-	.00		5-0	04-00				5-05-12	
Plate Offsets (X, Y	'): [1:Edge	,3-12],	[3:4-00,4-08], [4:3-04,3	8-12], [5	:Edge,3-08], [9:4-00,Edge], [10:3-0	4,3-12]						
Loading	(psf)	Spacing		2-00-00	CSI		DEFL		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf/Pa)	1(/11.9	00.0 10.0	Plate Grip DOL Lumber DOL		1.15 1.15	TC BC	0.86	Vert(LL Vert(C]	.) -0 Г) -0	.51 8 .66 8	>505 >388	240 180	M18AHS MT20	186/179 244/190
TCDL	2	20.0	Rep Stress Incr		YES	WB	0.73	Horz(C	T) 0	.09 6	n/a	n/a	MT18HS	244/190
BCLL BCDL		0.0 10.0	Code	IBC20	021/TPI2014	Matrix-MS							Weight: 141 lb	FT = 20%
				0		7 40 14 145							5	-
LUMBER TOP CHORD 2x	6 SP No.1			2)	Vasd=91mpl	r; TCDL=6.0psf; BCI	(3-seco)L=6.0	ona gus psf; h=2	t) 25ft;					
BOT CHORD 2x	6 SP 2400	F 2.0E	*E		B=25ft; L=25	ift; eave=4ft; Cat. II; E	Exp B;		ed;					
WEBS 2x No	24 SP 2400 5.1, W3:2x4	F 2.0E 1 SP No	"Except" W1:2x4 SP		cantilever lef	t and right exposed ;	end ve	ertical le	ft and					
			-41-1		right exposed reactions sho	d;C-C for members a own; Lumber DOL=1	nd foro .60 pla	ces & M te grip [WFRS 1 DOL=1.6	or 60				
1-1-	9-7 oc purl	ins, ex	cept end verticals.	or 3)		7 16 Pr-100 0 pcf	roof	I um I		15				
BOT CHORD Ri	gid ceiling	directly	applied or 10-0-0 oc	3)	Plate DOL=1	.15); Pg=10.0 psf; P	=11.9	psf (Lur	n DOL :	=				
WEBS 1	Row at mid	lpt -	4-6		1.15 Plate D Ce=0.9; Cs=	OL = 1.15);	ough ()-0-0; I	Cat B; F ⁄Iin. flat	ully Exp roof	.;				
N	liTek recon	nmends	s that Stabilizers and ing be installed during		snow load go	overns. Rain surchar	ge app	blied to	all 2 in					
tr	uss erectio	n, in ac	cordance with Stabiliz	er	accordance	with IBC 1608.3.4.	s uiaii	0.300/1	2 111					
	istallation g	juide.		4) . 5)	Provide adeo All plates are	uate drainage to pre MT20 plates unless	vent w otherv	ater poi vise indi	nding. icated.					
REACTIONS (SIZ	e) 6= 2-0	5-08, (r)5)	nın. 2-05), 11=5-08, (r	^{nin.} 6)	Provide mec	hanical connection (t	by othe	ers) of tr	uss to					
Max	x Horiz 11	=-41 (L	C 9)		11 and 59 lb	uplift at joint 6.	ung 5	a in uhiii	t at join	L				
Ma	x Grav 6=	2773 (L	.C 2), 11=2773 (LC 2)	LO	AD CASE(S)	Standard								
FORCES (Ib) - Max. Co) or less ev	omp./Ma	ax. Ten All forces 25 hen shown	0	Dilak	362 (a) 🗐								
TOP CHORD 1-	11=-2630/2	82, 1-2	2=-6876/665,		49.5									
2- 3-	12=-9030/8 13=-6852/6	556, 3-1 62, 4-1	∠=-9030/856, 3=-6852/662,		(98)									
	5=-281/51,	5-6=-6	18/90											
8-9	9=-695/687	6, 7-8=	-896/9077,		1余谷									
6-1 WEBS 4-0	7=-672/685 6=-6871/65	52 58, 2-10	=-2012/277.											
1-	10=-662/68	895, 2-8	-219/2252, 2333/235 4-7=0/707	Q	R Link: How to	Read Engineer Drawin	<u>gs</u>							
NOTES	UUU4/1ZC	, 0-1	2000/200, +-1-0/101											

Job		Truss		Truss T	уре		Qty		Ply	Lucy	Quarte	er Towr	homes	3	
B2500281		RC04		Flat			1		1	Job F	Referer	nce (op	tional)		
Hiwassee Structu	ural Products, C	hattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 3	1 2024	Print: 8	.820 S Oct	31 2024	MiTek	Industrie	es, Inc. \	Wed Mar 05 14:02:1	7 Page: 1
								ID:K4	nSGqdOP	FLV359F	lggSn9	zggck-n	nAHkorz	cqljAQrunCMa1iDlfE	IFEBDMkkXajq4kzdz4A
	/		5 05 12		5.05	21-07-	08		5 02 04		/			5 05 12	
			5-05-12		5-05	-12			5-02-04					5-05-12	
	M18AH	S 8x10		5x6		7x	В				M1	8AHS 8	x10		M18AHS 5x8
\mathbf{h}					T 4	¥							0		
10	10/4					VALO P		_					2	. M	
-01-			W2	VV3 -	W2								VV2		
N				B1								B2]	
Ň	X					A									\bigotimes
27	M18AHS 73 lb/-59 lb	5x8	M18	BAHS 8x1	0						5x6	5		2773 lb	/18AHS 5x12 /-59 lb
						M18AHS 5x12	2								
						5x6									
Camber = 1/8 in	/		E 0E 12	_/	E 04	00			E 04 00		/			E 0E 10	/
			5-05-12		5-04-	-00			5-04-00					5-05-12	
Plate Offsets ()	X, Y): [1:Edge	e,3-12],	[3:4-00,4-08], [4:3-04,	3-12], [5	:Edge,3-08], [9:5-00,2-08], [10:3-0	4,3-12]				_			
Loading		(psf)	Spacing		2-00-00	CSI	0.04	DEF	L	in 0 4 9	(loc)	l/defl	L/d		GRIP
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL		1.15	BC	0.64	Vert(CT) -	0.48	8	>529 >406	240 180	MT20	244/190
TCDL BCU		20.0	Rep Stress Incr Code	IBC2	YES 021/TPI2014	WB Matrix-MS	0.72	Horz	(CT)	0.09	6	n/a	n/a		
BCDL		10.0	0000	1202	021/11/2011									Weight: 141 lb	FT = 20%
LUMBER			-	2)	Wind: ASCE	7-16; Vult=115mph	(3-sec	cond g	ust)					-	
TOP CHORD	2x6 SP No.1				Vasd=91mpl B=25ft: L=25	n; TCDL=6.0psf; BC	DL=6.0 Exp B	0psf; h · Enclo	i=25ft; osed:						
WEBS	2x0 SP 2400 2x4 SP 2400	OF 2.0E	*Except* W1:2x4 SP		MWFRS (dir	ectional) and C-C C	orner (3) zon	ie; Lloft and						
BRACING	No.1, W3:2x	4 SP No	5.3		right exposed	d;C-C for members	and for	rces &	MWFRS	for					
TOP CHORD	Structural w	ood she	athing directly applied	or	reactions sho	own; Lumber DOL=*	1.60 pl	ate gri	p DOL=1	.60					
BOT CHORD	Rigid ceiling	i directly	applied or 10-0-0 oc	3)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lur	n DOL=1	.15 =					
WEBS	bracing. 1 Row at mi	dpt	4-6		1.15 Plate D	OL = 1.15; $Is=1.0$; I	Rough	Cat B	; Fully Ex	ф.;					
	MiTek reco	mmend	s that Stabilizers and		snow load go	1.00; Ct=1.10, Lu=5 overns. Rain surcha	0-0-0; arge ap	plied t	lat root to all						
	truss erection	oss brac on, in ac	cordance with Stabilized	er	exposed surf	faces with slopes les with IBC 1608.3.4.	ss than	0.500)/12 in						
	Installation	guide.		4)	Provide adeo	uate drainage to pr	event v	water p	ponding.						
REACTIONS	(size) 6= 2-	=5-08, (r ·05)	min. 2-05), 11=5-08, (r	nin. 6)	Provide mec	hanical connection (by oth	ers) of	f truss to						
I	Max Horiz 1	1=-43 (L	C 9)		bearing plate 11 and 59 lb	e capable of withstar uplift at joint 6.	nding 5	9 Ib u	plift at joii	nt					
l	Max Oplint 6- Max Grav 6-	=-59 (LC =2773 (L	-C 2), 11=2773 (LC 2)	LC	AD CASE(S)	Standard									
FORCES	(lb) - Max. C	omp./M	ax. Ten All forces 2: hen shown	50	Disk	967 <i>6</i> /10									
TOP CHORD	1-11=-2634/	282, 1-2	2=-6721/650,		49.5										
	2-12=-8819/ 3-13=-6698/	030, 3-1 648, 4-1	1∠=-8819/836, 3=-6698/648,		636										
BOT CHORD	4-5=-264/50 10-11=-81/2	, 5-6=-6 66, 9-10	14/90)=-682/6721			2790% -									
	8-9=-682/67	21, 7-8=	-877/8865,		「空空										
WEBS	6-7=-658/66 4-6=-6743/6	98 46, 2-10)=-2016/277,		026										
	1-10=-650/6 3-8=-534/12	766, 2-8	8=-215/2199, 2278/230, 4-7=0/710	<u>Q</u>	R Link: How to	Read Engineer Drawi	ngs								
NOTES		,													

Job		Truss		Truss Ty	/pe		Qty		Ply	Lucy C	Quarte	er Town	homes	;	
B2500281		RC05		Flat			1		1	Job Re	eferer	nce (opt	tional)		
Hiwassee Struct	ural Products, C	hattanoo	ga, TN 37404, Chase Th	omas		Run: 8.82 S Oct 3	1 2024	Print: 8.	.820 S Oct	31 2024	MiTek	Industrie	es, Inc. \	Ved Mar 05 14:02:1	7 Page: 1
								ID:1?	NENFKT2J0	C4FewCF	md/Zo	Izggca-n	nAHkorz	qijAQrunCMa1iDif0	JNF8PDN3KXajq4KZdZ4A
	,		5 05 40	/	F 05	21-07-0	08		F 00 04		/			F 0F 40	
			5-05-12		5-05-	-12		;	5-02-04					5-05-12	
	M18AH	IS 8x10		5x6		7x8	8				M1	8AHS 8:	x10		M18AHS 5x8
\mathbf{Y}					τ.	¥	_								
22	10+1					14/2		_							
-02-(W2	VV3	W2	Vv3		W2			VV3		W2		
N				B1								B2		[
X	\boxtimes					A									\bigotimes
27	M18AHS 773 lb/-59 lb	5x8	M18	BAHS 10x	12						5x6			2773 Ib	118AHS 5x12 /-59 lb
						M18AHS 5x12	2								
						5x6									
Camber = 1/8 in	n /		5.05.40		5.04				- 04 00		/			F 0F 40	/
			5-05-12		5-04-	00			5-04-00					5-05-12	
Plate Offsets (X, Y): [1:3-04	,4-00], [3:4-00,4-08], [4:3-00,-	4-00], [5:	Edge,3-08], [9:	5-00,2-08], [10:3-08	8,5-00]								_
Loading		(psf)	Spacing		2-00-00	CSI	0.00	DEF	L	in (loc)	l/defl	L/d	PLATES	GRIP
Snow (Pf/Pg)	1 11.9	00.0 /10.0	Lumber DOL		1.15 1.15	BC	0.82	Vert(Vert(LL) - CT) -	0.47 0.61	8 8	>544 >418	240 180	M18AHS MT20	186/179 244/190
TCDL		20.0	Rep Stress Incr	IBC2	YES	WB Matrix_MS	0.70	Horz	(CT)	0.09	6	n/a	n/a		
BCDL		10.0	Code	IDC20	JZ 1/ 1 F 120 14	Matrix-WO								Weight: 141 lb	FT = 20%
LUMBER		-		2)	Wind: ASCE	7-16; Vult=115mph	(3-sec	ond g	ust)						
TOP CHORD	2x6 SP No.1	*		о о г	Vasd=91mph	; TCDL=6.0psf; BC	DL=6.0)psf; h	=25ft;						
WEBS	2x6 SP No.1 2x4 SP 2400	F 2.0E	*Except* W1:2x4 SP	2.0E	MWFRS (dire	ectional) and C-C C	orner (3) zon	ie;						
BRACING	No.1, W3:2x	4 SP No	o.3		right exposed	and right exposed l;C-C for members a	; end v and for	ces &	MWFRS	for					
TOP CHORD	Structural w	ood she	athing directly applie	d or	reactions sho	wn; Lumber DOL=1	1.60 pla	ate gri	p DOL=1	.60					
BOT CHORD	Rigid ceiling	uriins, directly	except end verticals. applied or 10-0-0 oc	3)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	L: Lur	n DOL=1	.15					
	bracing, Ex 2-2-0 oc bra	cept: cina: 8-	10.		1.15 Plate DO	DL = 1.15; Is=1.0; I	Rough	Cat B	; Fully Ex	_ p.;					
WEBS	1 Row at mi	dpt	4-6		snow load go	verns. Rain surcha	arge ap	plied t	at root to all						
	MiTek recon required cro	mmend: oss brac	s that Stabilizers and ing be installed durin	g	exposed surface v	aces with slopes les vith IBC 1608.3.4.	ss than	0.500)/12 in						
	truss erection	on, in ac quide	ccordance with Stabili	zer 4)	Provide adeq	uate drainage to pro	event v	water p	oonding.						
REACTIONS	(size) 6=	=5-08 (r	min 2-05) 11=5-08 (5) min 6)	Provide mech	nanical connection (by oth	ers) of	truss to						
	(0.20) 3- 3-	04) 04)			bearing plate 11 and 59 lb	capable of withstar uplift at joint 6.	nding 5	9 lb u	plift at joir	nt					
	Max Horiz 11 Max Uplift 6=	i=-44 (L 59 (LC	C 9) C 13), 11=-59 (LC 13)	LO	AD CASE(S)	Standard									
FORCES	Max Grav 6=	=2773 (L	_C 2), 11=2773 (LC 2)	MUSIC	820%#/m									
	(lb) or less e	xcept w	hen shown.	.50	44.51										
TOP CHORD	1-11=-2649/	284, 1-2 818, 3-1	2=-6589/638, 12=-8634/818,		1936										
	3-13=-6547/ 5-6=-610/89	634, 4-1	13=-6547/634,		- 2 -2	5393									
BOT CHORD	9-10=-671/6	589, 8-9	9=-671/6589,		1000										
WEBS	4-6=-6615/6	34, 2-10)=-2011/277,		$\Box 23$	17402A									
	1-10=-642/6 3-8=-532/12	665, 2-8 3, 3-7=-	3=-209/2148, 2246/226, 4-7=0/714	<u>Q</u>	R Link: How to I	Read Engineer Drawii	ngs								
NOTES															

Job		Truss		Truss T	уре		Qty	Pl	у	Lucy Qua	ter Tow	nhomes	5	
B2500281		RC06		Flat			1	1		Job Refer	ence (op	tional)		
Hiwassee Structu	ural Products, C	hattanoo	ga, TN 37404, Chase Th	iomas		Run: 8.82 S Oct 31	2024 Pr	rint: 8.82	0 S Oct 3	1 2024 MiTe	k Industri	es, Inc. \	Wed Mar 05 14:02:*	17 Page: 1
								ID:Lix(OgisNOal	31Imyue5Hh	lEzggb8-r	nAHkorz	cqljAQrunCMa1iDlf0	CEF9uDNDkXajq4kzdz4A
	~		5 05 40		5.05	21-07-0	8		00.04		/		F 0F 40	
	I		5-05-12		5-05	-12		5-0	JZ-04				5-05-12	
	M18AH	IS 8x10		5x6		7x8	3			N	118AHS 8	x10		M18AHS 5x8
Х					τ1	¥	-				T	2		
6		\vdash) Alco b		_				2		
-02-			W2		W2	V3					3			
7				B1							B2		[
	\boxtimes					A								\mathbb{R}
2	M18AHS 773 lb/-59 lb	6 5x8	M	18AHS 8x1	10					5	ĸ6		2773 lb	118AHS 5x12 /-59 lb
						M18AHS 5x12								
						5x6								
Camber = 1/8 in	ı /		5-05-12		5-04-	/		5-0	4-00		/		5-05-12	/
	× × × ×	4 001 5		0.001.00				0-0					0-00-12	
Plate Offsets ()	X, Y): [3:4-00	,4-08], [[,]	4:3-00,4-00], [5:Edge I	,3-08], [9 	:5-00,2-08], [10	D:3-00,4-00]								
Loading TCLL (roof)	1	(psf) 00.0	Spacing Plate Grip DOL		2-00-00 1.15	CSI TC	0.79	DEFL Vert(LL	.) -0	in (loc) .45 8	l/defl >568	L/d 240	PLATES M18AHS	GRIP 186/179
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL		1.15	BC	0.95	Vert(CT	Г) -0 Т) -0	.59 8	>437	180	MT20	244/190
TCDL BCLL		20.0 0.0	Rep Stress Incr Code	IBC2	YES 021/TPI2014	WB Matrix-MS	0.69	Horz(C	T) 0	.09 6	n/a	n/a		
BCDL		10.0											Weight: 142 lb	FT = 20%
LUMBER				2)	Wind: ASCE	7-16; Vult=115mph	(3-seco	ond gust	t)					
TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1	*Excer	ot* B2:2x6 SP 2400F	2.0E	Vasd=91mph B=25ft; L=25	; TCDL=6.0psf; BCI ft; eave=4ft; Cat. II; l	DL=6.0µ Exp B; I	psf; h=2 Enclose	25ft; ed;					
WEBS	2x4 SP 2400)F 2.0E	*Except* W1:2x4 SP		MWFRS (dire	ectional) and C-C Co and right exposed	orner (3 end ve	8) zone; ertical le	eft and					
BRACING	NO. I, WS.2X	4 3F N	0.5		right exposed	l;C-C for members a	and forc	ces & M	WFRS f	or				
TOP CHORD	Structural w 2-0-9 oc pur	ood she lins. ex	eathing directly applie ccept end verticals.	d or			.00 piai		JOL-1.0					
BOT CHORD	Rigid ceiling	directly	applied or 10-0-0 oc	; 3)	TCLL: ASCE Plate DOL=1	7-16; Pr=100.0 pst .15); Pg=10.0 psf; P	(roof LL f=11.9	L: Lum E psf (Lur	DOL=1.* m DOL =	15 =				
	2-2-0 oc bra	cing: 8-	10.		1.15 Plate D0 Ce=0.9: Cs=7	DL = 1.15);	Rough C 0-0-0: N	Cat B; F⊧ ∕lin. flat	ully Exp	.;				
WEBS	1 Row at mi MiTek reco	dpt mmend:	<u>4-6</u> s that Stabilizers and		snow load go	verns. Rain surcha	rge app	blied to a	all 2 in					
	required cro	oss brac	ing be installed durin		accordance v	vith IBC 1608.3.4.								
	Installation	guide.		5)	All plates are	MT20 plates unless	otherw	vise indi	icated.					
REACTIONS	(size) 6=	=5-08, (r	min. 2-05), 11=5-08, ((min. ⁶⁾	Provide mech bearing plate	nanical connection (l capable of withstan	by othe ding 59	ers) of tru Ib uplif	uss to ft at joini					
	-د Max Horiz 11	04) I=-45 (L	C 9)	10	11 and 59 lb	uplift at joint 6.	0	·	,					
	Max Uplift 6= Max Grav 6=	=-59 (LC =2773 (L	C 13), 11=-59 (LC 13) -C 2), 11=2773 (LC 2	2)	AD CASE(S)	Standard								
FORCES	(lb) - Max. C	omp./M	ax. Ten All forces 2	, 250		資源目								
TOP CHORD	(Ib) or less e 1-11=-2652/	xcept w 285, 1-2	nen shown. 2=-6446/625,		微幻									
	2-12=-8440/ 3-13=-6405/	800, 3-1 621. 4-1	12=-8440/800, 13=-6405/621.		る後	3 X C								
	5-6=-607/89	, 116 9 0	658/6446			8-4-4 -								
	7-8=-842/84	0, o-e 84, 6-7=	=-632/6405		- 10 A									
WEBS	4-6=-6497/6 1-10=-631/6	24, 2-10 544, 2-8)=-2015/277, 3=-205/2099,	n	R Link: How to I	Read Engineer Drawin	as							
NOTES	3-8=-532/12	3, 3-7=-	2195/222, 4-7=0/717	, <u>ч</u>										
			have seeded of											

Job		Truss		Truss	Туре			Qty		Ply	Lucy	Quarte	er Town	homes	6	
B2500281		RC07		Flat				1		1	Job F	Referer	ice (opt	ional)		
Hiwassee Structural F	Products, C	hattanoo	ga, TN 37404, Chase Th	omas		Run:	8.82 S Oct 3	1 2024	Print: 8.8	320 S Oct	31 2024	MiTek	Industrie	s, Inc. \	Ned Mar 05 14:02:	17 Page:
									iD:p	A 1055410	011574	LIICWUI	zggas-n			IDSF96DINKKAajq4Kz024A
			5-05-14		5-05	j-14	21-07-	:08	5	-02-06		/			5-05-06	
	5x1	2		3x8	1		7)	(8				M1	8AHS 5:	x8		2x4
2-03-02	W1		₩2	W1 B1	T1 W2		W1		W2			W1	B2	W		₩1 ₩1
2779	4x4 lb/-59 lb			7x12			MT18HS 1	2x16				4x4			2779 lb	M18AHS 5x8 //-59 lb
Camber = 1/8 in	<i>_</i>		5-05-14	_/	5-04	-02			5	-04-02					5-05-06	/
Plate Offsets (X, Y): [2:3-08	,1-08], [3:4-00,4-08], [4:2-00,	3-00], [6	6:2-08,2-12], [9:	4-00,Ed	ge], [10:3-0	8,4-00]								
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	1 11.9	(psf) 00.0 /10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	IBC	2-00-00 1.15 1.15 YES 2021/TPI2014	CSI TC BC WB Matrix-	MS	0.75 0.93 0.72	DEFL Vert(L Vert(0 Horz(_L) CT) CT)	in 0.44 0.57 0.09	(loc) 8 8-10 6	l/defl >583 >448 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS MT18HS Weight: 142 lb	GRIP 244/190 186/179 244/190 FT = 20%
LUMBER TOP CHORD 2xi BOT CHORD 2xi WEBS 2xi 2.0 BRACING TOP CHORD Sti BOT CHORD Rig br 2-2 WEBS 1F M m r tr In	5 SP No.1 5 SP No.3 4 SP No.3 E uctural w 2-0 oc pur gid ceiling acing, Es 2-0 oc bra Row at mi Tek reco quired cro uss erections stallation	*Excep ood she lins. directly coept: cing: 8- dpt mmends oss brac on, in ac guide.	ot* B2:2x6 SP 2400F ot* W2:2x4 SP 2400F eathing directly applie v applied or 10-0-0 oc 10. 4-6 s that Stabilizers and cing be installed durin ccordance with Stabil	2.0E d or 3 4 5 g izer	 PTCLL: ASCE Plate DOL=1 1.15 Plate DO Ce=0.9; Cs= snow load gc exposed surf accordance (s) Provide adec All plates are provide mec bearing plate 11 and 59 lb CAD CASE(S) 	7-16; P .15); Pg OL = 1.1 1.00; Ct overns. faces wit with IBC quate dra hanical d e capable uplift at Standa	r=100.0 ps =10.0 psf; 5); Is=1.0; =1.10, Lu= Rain surch h slopes le 1608.3.4. ainage to p lates unles connection e of withsta joint 6. rd	f (roof L Pf=11.5 Rough 50-0-0; arge ap ss thar revent v s other (by oth nding 5	L: Lum O psf (L Cat B; Min. fla oplied to 0.500/ water p rwise in ers) of 59 lb up	DOL=1 um DOL Fully Ex at roof all (12 in onding. dicated. truss to lift at join	.15 .= .p.; nt					
REACTIONS (size) Max Max FORCES (lb) TOP CHORD 1-2 3-1 4-1 BOT CHORD 7-2 WEBS 1-1 2-1 3-7 NOTES 1) 1) Wind: ASCE 7 Vasd=91mph; B=25ft; L=25ft; MWFRS (direc cantilever left a right exposed;	 e) 6= 3- 3- 4- 6 Uplift 6= 6- 6- 6- 6- 6- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8-	=5-08, (r 04) =-59 (LC =2779 (L omp./M xccept w 05, 2-12 779, 3-1 600 383, 8-2 284, 5-6 281, 1-1 8, 4-7=0 00, 2-8= 115mpf Dpsf; BC ;; Cat. II; d C-C C exposed embers	min. 2-05), 11=5-08, (C 13), 11=-59 (LC 13) C 2), 11=2779 (LC 2 ax. Ten All forces 2 then shown. 2=-8267/779, 13=-6345/600, 2=-605/6383, 600/6345 5=-547/81, 10=-638/6736, 0/740, 4-6=-6695/633 =-184/1988 n (3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Corner (3) zone; l; end vertical left and and forces & MWFR	(min.) 550 , S for	QR Link: How to	Read End	gineer Draw	ings								

Job	-	Truss		Truss	Туре		Qty		Ply	Lucy	Quarte	er Town	home	S	
B2500281	1	RC08		Flat			1		1	Job F	Referer	nce (opt	ional)		
Hiwassee Structu	ral Products, Cha	attanoog	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	2024	Print: 8	.820 S Oc	t 31 2024	MiTek	Industrie	s, Inc. N	Wed Mar 05 14:02:	17 Page: 1
	1							10.011	i u v Sivij v O	IUSKDAZ	.001115	zgga0-n			
	/		5-05-14		5-05	<u>21-07-0</u> 5-14	8		5-02-06					5-05-06	
	1														I
	5.40			0	2	7.0							0		0.1
	5812			3X0	5	/x8)				MT	5AHS 5X	8		2X4
		1		-	T1	¥						T2			
3-10	W1		W2	W1		W1		W	2	_	W1	~	W2	A	W1
2-0					1					\sim		B2			
ł	X			0	! 	A						DZ			
2	4x4 779 lb/-59 lb		-	′x12		MT18HS 12	x16				4x4			2779 lb/	 M18AHS 5x8 -59 lb
2	0100-0010													211310	-00 10
Camber = 1/8 in	/		5-05-14	_/_	5-04	-02			5-04-02					5-05-06	/
Plate Offects ()	(V). [2·2 08 1	091 [2	3.4 00 4 081 14.2 08 2	121 [6.Edgo 2 121 [0	-02	8 4 00	11	0-04-02					0.00.00	
		-00], [0	9	- ız], [0.Euge,z-12], [9	.+-04,Eugej, [10.0-00	5,4-00	,, 							
Loading TCLL (roof)	(r 10	ost) 0.0	Spacing Plate Grip DOL		2-00-00 1.15	TC	0.74	Vert	L (LL) ·	ın -0.42	(loc) 8	l/defl >608	L/d 240	MT20	GRIP 244/190
Snow (Pf/Pg) TCDL	11.9/1 2	0.0 0.0	Lumber DOL Rep Stress Incr		1.15 YES	BC WB	0.91 0.71	Vert Horz	(CT) 2(CT)	-0.55 0.09	8 6	>467 n/a	180 n/a	M18AHS MT18HS	186/179 244/190
BCLL	1	0.0	Code	IBC	2021/TPI2014	Matrix-MS								Weight: 1/2 lb	ET = 20%
	· · · ·	0.0						L						Weight. 142 lb	
LUMBER TOP CHORD	2x6 SP No.1			2	 TCLL: ASCE Plate DOL=1 	. 7-16; Pr=100.0 pst .15); Pg=10.0 psf; P	(roof L f=11.§	L: Lu psf (m DOL= Lum DOl	1.15 _ =					
BOT CHORD WEBS	2x6 SP No.1 2x4 SP No.3	Excep	t* B2:2x6 SP 2400F 2 t* W2:2x4 SP 2400F	2.0E	1.15 Plate D Ce=0.9; Cs=	OL = 1.15);	Rough 0-0-0;	Cat E Min. 1	; Fully E: lat roof	xp.;					
DRACING	2.0E				snow load go exposed sur	overns. Rain surcha faces with slopes les	rge ap s thar	plied 0.50	to all 0/12 in						
TOP CHORD	Structural wo	od shea	athing directly applied	or	accordance 3) Provide adeo	with IBC 1608.3.4. quate drainage to pre	event	water	ponding.						
BOT CHORD	Rigid ceiling c	ns. lirectly	applied or 10-0-0 oc	4	 All plates are Provide mec 	MT20 plates unless	other	wise i ers) o	ndicated	-					
WEBS	bracing. <u>1 Row at mid</u>	ot 4	4-6	`	bearing plate	capable of withstan	ding 5	59 lb u	plift at jo	int					
	MiTek recom	mends s braci	that Stabilizers and ing be installed during	_ L	-OAD CASE(S)	Standard									
	truss erection	n, in ac	cordance with Stabili	zer	mu az	9220%#IEI									
REACTIONS	(size) 6=5	i-08. (n	nin. 2-05). 11=5-08. (i	nin.	- A.										
	3-0- Max Uplift 6=-	4) 59 (I C	13) 11=-59 (I C 13)												
	Max Grav 6=2	2779 (L	.C 2), 11=2779 (LC 2)	-0											
FORCES	(lb) - Max. Co (lb) or less exe	mp./Ma cept wł	ax. Ten All forces 2 hen shown.	50	1332										
TOP CHORD	1-2=-6249/592 3-12=-8090/70	2, 2-12 62, 3-1	=-8090/762, 3=-6212/587,		QR Link: How to	Read Engineer Drawin	as								
BOT CHORD	4-13=-6212/58 9-10=-592/62	87 49, 8-9	=-592/6249,		<u></u>		<u> </u>								
WEBS	7-8=-772/813	1, 6-7= 84. 5-6	-587/6212 =-546/81.												
	2-10=-2073/28	81, 1-1 4-7=0	0=-626/6609, /742, 4-6=-6571/621,												
NOTES	3-7=-2036/19	6, 2-8=	-180/1947												
1) Wind: ASC	E 7-16; Vult=1	15mph	(3-second gust)												
Vasd=91m B=25ft; L=2	pn; TCDL=6.0p 25ft; eave=4ft;	ost; BC Cat. II;	Exp B; Enclosed;												
MWFRS (d cantilever l	irectional) and eft and right ex	C-C C posed	orner (3) zone; ; end vertical left and												
right expos reactions s	ed;C-C for mei hown; Lumber	mbers DOL=	and forces & MWFRS 1.60 plate grip DOL=	for .60											

Job		Truss		Truss Ty	/pe		Qty		Ply	Lucy	Quarte	er Town	homes	;	
B2500281		RC09		Flat Gir	der		1		3	Job F	Referer	ice (opi	tional)		
Hiwassee Structu	ral Products, C	hattanoo	ga, TN 37404, Chase Tho	mas		Run: 8.82 S Oct 31	1 2024 F	Print: 8	.820 S Oc	ct 31 2024	MiTek	Industrie	es, Inc. \	Ved Mar 05 14	:02:17 Page: 1
							ID:	EeOx3	aYBPbq9	95HforVoX	zlzggYy	-ENr70	B_S30IF	IT2MOwHYxm	VBM2eUUylZumETNcAzdz49
			,		,	21-07-0	8		,		,			,	
		3-06-	-01 3-04	1-05	3-0	4-05	3-04-0	5	-/	2-07-09		2-07	7-09	2-09-	-05
	4x4		4x8		4x8	5x6			4x4		10x10		5	x10	5x10
\mathbf{r}						T1					× 1			T2	
5								/	2				Z		
04-(VV 1	Å	¥2 W1	N2	WI	142 W1	W2		VV1	W3	VW1	X	¥3		3 VV1
5										F		54			
Ĺ	8										52				
	لمع 4v8		4×8		M184HS 10v12	2 Av4			10v10	n	5	/10		5x10	M18AHS 3v10
73	96 lb/-204 lb		420			4,44			TUXIC	5	57			10640 1	Ib/-305 lb
									Special						
O															
Camber = 1/8 in	/	3-06-	.01 3-04	1-05	3-0	4-05	3-04-0	5	_/	2-07-09		2-07	7-09	2-09-	-05
	[2:3-08	1-121 [3:3-08 2-001 [6:5-00 5	-041 [7:	3-08 1-121 [8]	Edge 2-001 [9:Edge	3-081	[10·3	-08 1-08	<u>8] [11·3-(</u>	08 1-12	<u>21 [12·3</u>	3-08 5-	01 [13.1-12	2-001 [14:5-04 5-04]
Plate Offsets ()	X, Y): [15:3-0	8,1-12]	0.0 00,2 00], [0.0 00,0	0 .], [o oo, <u></u>], [o.		,0 00],	[,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-], [,.	, [.e <u>_</u>	,2 00], [1 10 0 1,0 0 1],
Loading		(psf)	Spacing		2-00-00	CSI		DEF	L	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	1	00.0	Plate Grip DOL		1.15	тс	0.85	Vert	_ (LL)	-0.46 1	2-13	>558	240	MT20	244/190
Snow (Pf/Pg)	11.9	/10.0	Lumber DOL		1.15	BC	0.99	Vert	(CT)	-0.60 1	2-13	>430	180	M18AHS	186/179
BCLL		20.0	Code	IBC20	021/TPI2014	Matrix-MS	0.94	Horz		0.11	9	n/a	n/a		
BCDL		10.0												Weight: 45	1 lb FT = 20%
				2)	3 ply truce to	be connected toget	thor wit	th 10c	1/0 131"	'v?")	Linit	form L c	ade (lk	./ft)	
TOP CHORD	2x6 SP 2400)F 2.0E	*Except* T2:2x6 SP N	o.1	nails as follow	WS:			1 (0.151	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	V	ert: 1-8	3=-64, 9	9-16=-20	
BOT CHORD	2x6 SP 2400	0F 2.0E			Top chords of	connected as follows	s: 2x4 -	1 rov	v at 9-00) oc,	Cor	centra	ted Loa	ids (lb)	
WEBS	2x4 SP No.3	8 *Excep	ot* W3:2x4 SP No.1		Bottom chord	ds connected as follo	c. ows: 2:	x6 - 3	rows		V	ert: 12	=-4081		
TOP CHORD	Structural w	ood she	athing directly applied	or	staggered at	4-00 oc.	1	at 0.0	0.00		Π	n lai	-983	22 D	
	5-0-0 oc pur	lins, ex	cept end verticals.		Except mem	ber 5-12 2x4 - 2 row	s stag	gered	at 4-00	OC.	5	<u>а</u> . 1	590	19 i C	
BOT CHORD	Rigid ceiling bracing.	directly	applied or 10-0-0 oc	3)	All loads are	considered equally	applied	d to al	l plies,		1	Č N	64A	1000	
REACTIONS	(size) 9=	=5-08 (r	min 2-15) 16=5-08 (r	nin	except if note CASE(S) sec	ed as front (F) or bac ction. Plv to plv conn	ck (B) 1 nection	tace ir s have	n the LO. e been	AD	- ŝ	<u>а</u> .,	ĞФ.	200	
	2-	01)	1111. 2 10), 10 0 00, (1		provided to d	listribute only loads	noted a	as (F)	or (B),		3	2 3	3-6	аĕ –	
	Max Horiz 16	5=-48 (L =-305 (I	C 11) C 13) 16=-204 (LC 13	3) 4)	unless other	wise indicated.	been o	consid	lered for	this	L L	÷	10	se -	
	Max Grav 9=	=10640	(LC 2), 16=7396 (LC 2	()	design.						L.	1.2	RUV	640 VE	
FORCES	(lb) - Max. C	omp./M	ax. Ten All forces 25	₅₀ 5)	Wind: ASCE Vasd=91mpt	7-16; Vult=115mph TCDL=6 0psf: BC	(3-sec	ond g	ust) 1=25ft [.]	<u>c</u>	R Link	How to	Read I	Engineer Draw	<u>vings</u>
TOP CHORD	(Ib) or less e 1-16=-474/6	xcept w 1. 1-2=-	nen shown. 276/43, 2-3=-12261/6/	67.	B=25ft; L=25	ft; eave=4ft; Cat. II;	Exp B;	; Encl	osed;						
	3-17=-23244	1/1167, 4	4-17=-23244/1167,	,	MWFRS (dire	ectional) and C-C Co	orner (3) zor	ne; Lleft and	4					
	4-18=-32283	3/1508, 5 1682 6	5-18=-32283/1508, -7=-27332/1233		right exposed	d;C-C for members a	and for	ces &	MWFR	S for					
	7-8=-14116/	678, 8-9)=-10355/511		reactions sho	own; Lumber DOL=1	1.60 pla	ate gri	ip DOL=	1.60					
BOT CHORD	15-16=-702/	12261,	14-15=-1191/22864, 12-13=-1705/38651	6)	TCLL: ASCE	7-16; Pr=100.0 psf	(roof L	.L: Lu	m DOL=	1.15					
	11-12=-1293	3/28357	, 10-11=-680/14116,		Plate DOL=1	.15); Pg=10.0 psf; F	over) psf (L =					
WERS	9-10=-33/29	8	13-7207/272		Ce=0.9; Cs=	1.00; Ct=1.10, Is=1.0; F	0-0-0:	Min. f	, ⊢uiiy E lat roof	.хµ.,					
**LD3	2-15=-224/5	856, 2-1	16=-13733/733,		snow load go	overns. Rain surcha	irge ap	plied	to all						
	3-15=-12149	9/576, 3	-14=-168/5295,		exposed surf	aces with slopes les with IBC 1608 3 4	ss than	0.500	J/12 in						
	4-14=-10462 8-10=-795/1	2/410, 4 6979. 6	-13=-106/4042, -11=-9011/424	7)	Provide adec	uate drainage to pre	event v	water	ponding						
	6-12=-521/1	3040, 7	-11=-695/16239,	8) a)	All plates are	MT20 plates unless	s other	wise i ers) o	ndicated	d. D					
NOTES	7-10=-10027	7/510		9)	bearing plate	capable of withstar	nding 2	04 lb	uplift at i	, joint					
1) Special col	nnection reau	ired to c	distribute bottom chord	10	16 and 305 II	o uplift at joint 9.		۱	 Iba						
loads equa	Illy between a	II plies.		10)	provided suff	other connection de	evice(s ncentra) snal ated lo	i be ad(s) 12	2489					
					lb down and	391 lb up at 13-7-0	on bot	ttom c	hord. T	he					
					design/select	tion of such connect of others	tion de	vice(s) is the						
				LO	AD CASE(S)	Standard									
				1)	Dead + Sno	w (balanced): Lumb	er Incr	rease	=1.15, P	late					
					Increase=1.	15									

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC10	Flat	1	1	Job Reference (optional)

Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Page: 1 ID:3R74UZbe0KtN687cjPt?G5zggaB-ENr70B_S30IHT2MOwHYxmVBS?edEyk4umETNcAzdz49





5x6 1717 lb/-38 lb

4-06-09

4-04-13

4-06-01

Plate Offsets (X, Y): [6:2-08,2-08]

2-04-10

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code II	2-00-00 1.15 1.15 YES BC2021/TPI2014	CSI TC BC WB Matrix-MS	0.47 0.43 0.97	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.02	(loc) 6-7 6-7 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 91 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 4-2-2 oc purlins, ex Rigid ceiling directly bracing. MiTek recommenda required cross brac truss erection, in ac Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied or cept end verticals. / applied or 10-0-0 oc s that Stabilizers and ing be installed during ccordance with Stabilizer	 3) TCLL: ASCE Plate DOL=' 1.15 Plate D Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide adee 5) Refer to gird 6) Provide mec bearing plate 5 and 38 lb to LOAD CASE(S) 	E 7-16; Pr=100.0 1.15); Pg=10.0 ps OL = 1.15); Is=1. 1.00; Ct=1.10, Lu overns. Rain sur- faces with slopes with IBC 1608.3.4 quate drainage to er(s) for truss to thanical connection e capable of withs uplift at joint 8. Standard	psf (roof L sf; Pf=11.9 .0; Rough u=50-0-0; charge ap s less than 4. o prevent v truss conr on (by oth standing 3	L: Lum DOL psf (Lum D Cat B; Fully Min. flat roo plied to all 0.500/12 in water pondin nections. ers) of truss 9 lb uplift at	=1.15 OL = Exp.; f ug. to					
REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES	(size) 5= Mecha (min. 2-00 Max Horiz 8=-38 (LC Max Uplift 5=-39 (LC Max Grav 5=1717 (I (Ib) - Max. Comp./M (Ib) or less except w 1-8=-482/92, 2-3=-2 3-10=-2754/376, 4-7 7-8=-382/2733, 6-7= 4-5=-1655/250, 3-6= 2-8=-2878/390, 4-6=	anical, (min. 1-08), 8=5-08)) (11) (13), 8=-38 (LC 9) (C 2), 8=1717 (LC 2) ax. Ten All forces 250 hen shown. (733/382, 10=-2754/376 =-376/2754 =-1130/226, =-411/3006	QR Link: How to	Read Engineer Dra	awings							
1) Unbalance	d roof live loads have	e been considered for this										

Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C for momber and forces & MWERS 2)

right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC11	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

Page: 1 ID:PPwzXHfmrsWfDw?aVyTAz9zgga6-ENr70B_S30IHT2MOwHYxmVBSJedPylFumETNcAzdz49





4-04-13		4-04-13
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4-06-09

4-06-01

Plate Offsets (X, Y): [6:3-08,2-00]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.45 0.42 0.96	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.09 -0.12 0.02	(loc) 6-7 6-7 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 91 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep Structural wood she 4-2-11 oc purlins, e Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in au Installation guide.	ot* W2:2x4 SP No.1 eathing directly applied or except end verticals. / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilizer	 3) TCLL: ASCE Plate DOL=' 1.15 Plate D Ce=0.9; Cs= snow load g exposed sur accordance 4) Provide ade 5) Refer to gird 6) Provide mec bearing plate 5 and 38 lb to LOAD CASE(S) 	E 7-16; $Pr=100.0$ 1.15); $Pg=10.0$ g OL = 1.15; $Is=1.00; Ct=1.10, Ioverns. Rain sufaces with slopewith IBC 1608.3quate drainageer(s)$ for truss to chanical connect e capable of with uplift at joint 8. Standard	0 psf (roof L psf; Pf=11.9 1.0; Rough Lu=50-0-0; urcharge ap es less than 3.4. to prevent to p truss conr tion (by oth hstanding 3	L: Lum DOL 9 psf (Lum D Cat B; Fully Min. flat roof plied to all 0.500/12 in water pondin nections. ers) of truss 9 lb uplift at	.=1.15 OL = Exp.; f ug. to					
REACTIONS FORCES TOP CHORD BOT CHORD WEBS NOTES	Is (size) 5= Mechanical, (min. 1-08), 8=5-0. (min. 2-00) Max Horiz 8=-39 (LC 11) Max Uplift 5=-39 (LC 13), 8=-38 (LC 9) Max Grav 5=1717 (LC 2), 8=1717 (LC 2) (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown. RD 1-8=-480/92, 2-3=-2680/376, 3-10=-2700/369, 4-10=-2700/369 RD 7-8=-376/2680, 6-7=-369/2700 4-5=-1656/250, 3-6=-1131/226, 2-8=-2835/384, 4-6=-404/2957		3,	Read Engineer D	Drawings							
1) Unbalance	ed roof live loads have	e been considered for this	;									

Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed; end vertical left and right exposed; C for momber and forces & MWERS 2)

right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC12	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:Ln2jyyg1NUmNSD9ydNVe2azgga4-ENr70B_S30IHT2MOwHYxmVBNqehlyq1umETNcAzdz49



6-09-00

6-08-08

Plate Offsets (X, Y): [1:Edge,1-12], [3:Edge,1-12], [5:6-00,1-08]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.80 0.17 0.59	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.15 -0.20 0.00	(loc) 5 5 4	l/defl >999 >805 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
	10.0	-				-					Weight. 09 lb	1 1 - 20 /8
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Exce	pt* W2:2x4 SP No.1	5) Provide med bearing plate 6 and 38 lb r LOAD CASE(S)	hanical connect e capable of with uplift at joint 4. Standard	tion (by oth nstanding 3	ers) of truss 9 lb uplift at	to joint					
BRACING TOP CHORD BOT CHORD	Structural wood she 2-9-5 oc purlins. Rigid ceiling directl	eathing directly applied or 6-0-0 oc	or Dia									
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.											
REACTIONS	(size) 4= Mecha	anical, (min. 1-08), 6=5-	08, OR Link: How to	Read Engineer D	rawings							
	(min. 2-0 Max Uplift 4=-38 (L0 Max Grav 4=1742 (1) C 13), 6=-39 (LC 13) LC 2), 6=1752 (LC 2)	<u></u>	<u></u>	<u></u>							
FORCES	(lb) - Max. Comp./N	1ax. Ten All forces 250)									

(lb) or less except when shown. TOP CHORD 1-7=-3297/440, 2-7=-3297/440, 2-8=-3297/440, 3-8=-3297/440 WEBS 1-6=-1668/261, 3-4=-1655/258, 2-5=-1943/382, 1-5=-479/3566, 3-5=-473/3531

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC13	Flat	1	1	Job Reference (optional)

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6-09-00

6-08-08

Plate Offsets (X, Y): [1:3-00 1-08] [3:Edge 1-08] [5:6-00 1-12]

late Olisets (X, 1). [1.0-00, 1-00],		0,1-12j										
Loading TCLL (roof) Snow (Pf/Pg)	(psf) 100.0 11.9/10.0	Spacing Plate Grip DOL Lumber DOL	2-00-00 1.15 1.15	CSI TC BC	0.80 0.17	DEFL Vert(LL) Vert(CT)	in -0.15 -0.19	(loc) 5 5	l/defl >999 >834	L/d 240 180	PLATES MT20	GRIP 244/190	
TCDL BCLL BCDL	20.0 0.0 10.0	Rep Stress Incr Code	YES IBC2021/TPI2014	WB Matrix-MS	0.58	Horz(CT)	0.00	4	n/a	n/a	Weight: 89 lb	FT = 20%	
LUMBER	2x6 SP No.1		5) Provide med bearing plate	hanical conne e capable of w	ction (by oth ithstanding 3	ers) of truss 9 lb uplift at	to joint						

- 6 and 38 lb uplift at joint 4.
- 2x4 SP No.3 *Except* W2:2x4 SP No.1

BRACING

WEBS

BOT CHORD 2x6 SP No.1

1

TOP CHORD Structural wood sheathing directly applied or 2-10-2 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc

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

REACTIONS	(size)	4= Mechanical, (min. 1-08), 6=5-08 (min. 2-01)
	Max Uplift	4=-38 (LC 13), 6=-39 (LC 13)
	Max Grav	4=1742 (LC 2), 6=1752 (LC 2)
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250
	(lb) or les	s except when shown.
TOP CHORD	1-7=-323	8/432, 2-7=-3238/432,
	2-8=-323	8/432, 3-8=-3238/432
WEBS	1-6=-1669	9/261, 3-4=-1656/258,
	2-5=-1940	6/382, 1-5=-471/3508,
	3-5=-466/	3474

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Provide adequate drainage to prevent water ponding. 3)
- 4) Refer to girder(s) for truss to truss connections.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC14	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1

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6-09-00

6-08-08

Plate Offsets (X, Y): [5:6-00 2-04]

	[7, 1]. [0.0-00,2-04]											
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	тс	0.77	Vert(LL)	-0.14	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.17	5	>906	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.55	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%
LUMBER TOP CHORD	2x6 SP No.1		5) Provide med bearing plat	chanical connec e capable of wit	tion (by oth hstanding 3	ers) of truss 6 lb uplift at	to joint					

BOT CHORE 2x4 SP No.3 *Except* W2:2x4 SP No.1 WEBS

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-12 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

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

REACTIONS (size) 4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00) Max Uplift 4=-36 (LC 13), 6=-36 (LC 13) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-7=-3166/421, 2-7=-3166/421, 2-8=-3166/421, 3-8=-3166/421 WEBS 1-6=-1632/254, 3-4=-1632/254, 2-5=-1911/375, 1-5=-442/3321, 3-5=-442/3321

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC15	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17

A Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:3ifV2NoI0Y0yfmwuCTg_ShzggZw-ENr70B_S30IHT2MOwHYxmVBN9ehcyroumETNcAzdz49



6-09-00

6-08-08

Plate Offsets (X, Y): [5:6-00,2-04]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	100.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.13	5	>999	240	MT20	244/190
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.17	5	>938	180		
TCDL	20.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	n/a	-	n/a	n/a		
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%
LUMBER FOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Exce	ot* W2:2x4 SP No.1	5) Provide mec bearing plate 6 and 36 lb t LOAD CASE(S)	hanical connect capable of wir uplift at joint 4. Standard	ction (by oth thstanding 3	ers) of truss 6 lb uplift at	to joint					
BRACING TOP CHORD	Structural wood she	eathing directly applied or	回版	162(x)e								

TOP CHORDStructural wood sheathing directly applied of
3-1-4 oc purlins.BOT CHORDRigid ceiling directly applied or 10-0-0 oc

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

REACTIONS	(size)	4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
	Max Uplift	4=-36 (LC 13), 6=-36 (LC 13)
	Max Grav	4=1717 (LC 2), 6=1717 (LC 2)
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250
	(lb) or les	s except when shown.
TOP CHORD	1-7=-311	1/414, 2-7=-3111/414,
	2-8=-311	1/414, 3-8=-3111/414
WEBS	1-6=-1634	4/254, 3-4=-1634/254,
	2-5=-1913	3/376, 1-5=-435/3270,
	3-5=-435/	3270

NOTES

- Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC16	Flat	1	1	Job Reference (optional)

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6-09-00

6-08-08

Plate Offsets (X, Y): [5:6-00.2-04]

	,, ,), [0.0 00,2 0.1]												
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	100.0	Plate Grip DOL	1.15	тс	0.78	Vert(LL)	-0.13	5	>999	240	MT20	244/190	
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.16	5	>966	180			
TCDL	20.0	Rep Stress Incr	YES	WB	0.53	Horz(CT)	n/a	-	n/a	n/a			
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS									
BCDL	10.0		-								Weight: 90 lb	FT = 20%	
LUMBER			5) Provide med	hanical connec	tion (by oth	ers) of truss	to						
TOP CHORD	2x6 SP No.1		bearing plate	e capable of wit	thstanding 3	6 lb uplift at	joint						
BOT CHORD	2x6 SP No.1		6 and 36 lb uplift at joint 4.										
WEDE	2v4 SD No 2 *Excor	of* MO-0x4 CD No 1		Standard									

- W 2x4 SP No.3 *Except* W2:2x4 SP No.1 BRACING
- TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

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

REACTIONS	(size)	4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
	Max Uplift	4=-36 (LC 13), 6=-36 (LC 13)
	Max Grav	4=1717 (LC 2), 6=1717 (LC 2)
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250
	(lb) or les	s except when shown.
TOP CHORD	1-7=-305	8/407, 2-7=-3058/407,
	2-8=-3058	8/407, 3-8=-3058/407
WEBS	1-6=-163	5/254, 3-4=-1635/254,
	2-5=-191	5/376, 1-5=-428/3220,
	3-5=-428/	3220

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Provide adequate drainage to prevent water ponding. 3)
- 4) Refer to girder(s) for truss to truss connections.

=(ວ)



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC17	Flat	1	1	Job Reference (optional)

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6-09-00

п

6-08-08

Plate Offsets (X, Y): [5:6-00,2-04]

Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MS	0.78 0.14 0.53	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.12 -0.16 n/a	(loc) 5 5 -	l/defl >999 >997 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 90 lb	GRIP 244/190 FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 *Excep	 bt* W2:2x4 SP No.1	5) Provide mec bearing plate 6 and 36 lb t LOAD CASE(S)	hanical connec e capable of wi uplift at joint 4. Standard	ction (by oth thstanding 3	ers) of truss 6 lb uplift at	to joint					
BRACING TOP CHORD BOT CHORD	Structural wood she 3-2-4 oc purlins. Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in ar	eathing directly applied applied or 10-0-0 oc s that Stabilizers and cing be installed during coordance with Stabiliz	or III									

Installation guide. 4= Mechanical, (min. 1-08), 6=5-08, **REACTIONS** (size) QR Link: How to Read Engineer Drawings (min. 2-00) Max Uplift 4=-36 (LC 13), 6=-36 (LC 13) Max Grav 4=1717 (LC 2), 6=1717 (LC 2) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-7=-3006/400, 2-7=-3006/400, TOP CHORD 2-8=-3006/400, 3-8=-3006/400 1-6=-1636/254, 3-4=-1636/254, 2-5=-1917/376, 1-5=-422/3171, WEBS

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3-5=-422/3171

- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Provide adequate drainage to prevent water ponding. 3)

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

Job	Truss	Truss Type		Qty	Ply	Lucy Quarter Townhomes	
B2500281	RC18	Flat		1	1	Job Reference (optional)	
Hiwassee Structural Products, C	hattanooga, TN 37404, Chase Th	omas	Run: 8.82 S Oct 31	2024 Print: 8	3.820 S Oct 3	31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17	Page: 1

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6-09-00

6-08-08

Plate Offsets (X_Y): [5:6-00 2-04]

	7, 1). [0.0-00,2-04]												
Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	100.0	Plate Grip DOL	1.15	тс	0.79	Vert(LL)	-0.12	5	>999	240	MT20	244/190	
Snow (Pf/Pg)	11.9/10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.16	5	>999	180			
TCDL	20.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	n/a	-	n/a	n/a			
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS									
BCDL	10.0										Weight: 90 lb	FT = 20%	
LUMBER TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1		5) Provide med bearing plate 6 and 36 lb	chanical connec e capable of wit uplift at joint 4.	tion (by oth hstanding 3	ers) of truss 6 lb uplift at	to joint						

- 2x4 SP No.3 *Except* W2:2x4 SP No.1 WEBS
- BRACING TOP CHORD
- Structural wood sheathing directly applied or 3-2-12 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc

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

REACTIONS	(size)	4= Mechanical, (min. 1-08), 6=5-08, (min. 2-00)
	Max Uplift	4=-36 (LC 13), 6=-36 (LC 13)
	Max Grav	4=1717 (LC 2), 6=1717 (LC 2)
FORCES	(lb) - Max	. Comp./Max. Ten All forces 250
	(lb) or les	s except when shown.
TOP CHORD	1-7=-2960	0/394, 2-7=-2960/394,
	2-8=-2960	0/394, 3-8=-2960/394
WEBS	1-6=-1636	6/254, 3-4=-1636/254,
	2-5=-1919	9/376, 1-5=-416/3128,
	3-5=-416/	3128

NOTES

- 1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Provide adequate drainage to prevent water ponding. 3)

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

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC19	Flat Girder	1	2	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

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HUS26

THDH26-2

Plate Offsets (X, Y): [1:1-12,1-12], [3:1-12,1-12], [5:4-00,4-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
Snow (Pf/Pa)	11.9/10.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.07	5-6	>999	180	-	
TCDL	10.0	Rep Stress Incr	NO	WB	0.68	Horz(CT)	n/a	-	n/a	n/a		
BCLI	0.0	Code	IBC2021/TPI2014	Matrix-MP	0.00					, ca		
BCDI	10.0	0000									Weight ⁻ 120 lb	FT = 20%
											110igini 120 is	
			5) TCLL ASCE	7-16 [.] Pr=20.0 ps	sf (roof Ll	· Lum DOI =	1 15					
	2v6 SP No 1		Plate DOI =	1 15) Pa=10.0 ps	f [:] Pf=11 9	nsf (Lum D	OI =					
BOT CHORD	2x6 SP No 1		1.15 Plate D	OL = 1.15): $Is=1.0$): Rouah	Cat B: Fully	Exp.:					
WERS	2x0 OF No.1		Ce=0.9; Cs=	1.00: Ct=1.10. Lu	=50-0-0:	Min. flat roo	f					
READING	24 01 10.0		snow load g	overns. Rain surc	charge ap	plied to all						
BRACING	O ther set of a large set of a larg	41- 1	exposed sur	faces with slopes	less than	0.500/12 in						
TOP CHORD	Structural wood she	eatning directly applied of	accordance	with IBC 1608.3.4	l.							
	Digid coiling directly	cept end verticals.	Provide ade	quate drainage to	prevent	water pondin	ıg.					
BOT CHORD	bracing	y applied of 10-0-0 oc	Refer to gird	er(s) for truss to tr	russ conr	nections.						
	braoing.		Provide med	hanical connectio	n (by oth	ers) of truss	to					
REACTIONS	(size) 4=5-08, (min. 1-08), 6= Mechanica	al, bearing plate	e capable of withs	tanding 1	15 lb uplift a	ıt joint					
	(min. 1-08	8)	6 and 83 lb i	uplift at joint 4.	<u>.</u>							
	Max Horiz 6=-72 (LC	(9) (9)	9) Use Milek H	10S26 (With 14-1	6d nails i	nto Girder &	6-16d					
	Max Uplift 4=-83 (LC	C 10), 6=-115 (LC 9)	nails into 1 ru	uss) or equivalent	at 1-11-4	Firom the lef	t end					
	Max Grav 4=2002 (I	LC 2), 6=3195 (LC 2)	to connect to	uss(es) RC21 (1 p	piy 2x6 S	P) to back ta	ice of					
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 250	10) Lise MiTek 1	и. ГНПН26_2 (\\/ith 2	2-16d na	ils into Girde	ar &					
	(lb) or less except w	hen shown.	8-16d nails i	nto Truss) or equi	valent at	4-1-0 from th	he left					
TOP CHORD	1-6=-2108/266, 1-2	=-2643/212,	end to conne	ect truss(es) RC22	2 (2 plv 2	x6 SP) to ba	ck					
	2-3=-2643/212, 3-4	=-2108/200 - 162/202 2 5- 207/220	 face of botto 	m chord.	- (- p.) -							
NOTEO	1-0297/5290, 2-0-	103/292, 3-3297/329	11) Fill all nail he	oles where hange	r is in cor	ntact with lun	nber.					
NUIES	to be connected to a	ath an with 10d (0 121"v2"	LOAD CASE(S)	Standard								
1) 2-piy truss	lowe:		1) Dead + Sno	ow (balanced): Lu	mber Inc	rease=1.15.	Plate					
Top chord	nows.	(c: 2x/ - 1 row at 9-00 oc	/ Increase=1	.15		-,						
2x6 - 2 row	vs stangered at 9-00	00 00 00 00 00 00 00 00 00	' Uniform Lo	ads (lb/ft)								
Bottom ch	ords connected as fol	llows [.] 2x6 - 2 rows	Vert: 1-3	=-44, 4-6=-20								
staggered	at 4-00 oc.		Concentrat	ed Loads (lb)								
Web conn	ected as follows: 2x4	- 1 row at 9-00 oc,	Vert: 5=-	742, 7=-712								
Except me	ember 2-5 2x4 - 1 row	at 2-00 oc.										
2) All loads a	are considered equally	/ applied to all plies,		920767 E								
except if n	oted as front (F) or ba	ack (B) face in the LOAD	result.	四次法定								
CASE(S)	section. Ply to ply con	nections have been	125-2	64195.J2								
provided to	o distribute only loads	s noted as (F) or (B),	6563									
unless oth	erwise indicated.		000.00	30,300.								
3) Unbalance	ed roof live loads have	e been considered for this	· ***	S. A. X								
aesign.	C 7 16. \/ult-115	h (3 second quet)	132									
Vaed=01m	D = 1 - 10, $Vuit = 1101101$	201 =6 0pef: h=25ft	11	10.5 0.								
R=25ft·1 =	25ft: eave=4ft: Cat II	· Exp B: Enclosed:										
MWFRS (directional) and C-C (Corner (3) zone	QR Link: How to	Read Engineer Dra	wings							
cantilever	left and right exposed	: end vertical left and										
right expo	sed;C-C for members	and forces & MWFRS for	or									
reactions	shown; Lumber DOL=	1.60 plate grip DOL=1.6	0									

Job	Truss	Truss Type		Qty	Ply	Lucy Quarter Townhomes	
32500281	RC20	Flat Girder		1	2	Job Reference (optional)	
liwassee Structural Products. C	hattanooga, TN 37404, Chase Th	omas	Run: 8.82 S Oct 31	2024 Print: 8	3.820 S Oct 3	31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17	Page:

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Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC21	Flat	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas Run: 8.82 S Oct 31 2024 Print: 8.820 S Oct 31 2024 MiTek Industries, Inc. Wed Mar 05 14:02:17 Page: 1 ID:HjFt969U5kQwyTQUoulkj_zgg1u-ENr70B_S30IHT2MOwHYxmVBKAecTypwumETNcAzdz49

17-09-00 5-09-13 5-11-09 5-11-09 7x8 4x4 4x4 4x8 T2 T1 AWZ W1 W1 W1 W1 3-03-07 W2 W в1 B2 ۵ 2270 lb/-48 lb M18AHS 3x10 4x4 5x6 5x6 4x8 2270 lb/-48 lb

5-11-09

5-09-13

5-11-09

Plate Offsets (X, Y): [2:4-00,4-08], [4:Edge,1-12], [6:1-12,2-08]

													_
Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES BC2021/TPI2014	CSI TC BC WB Matrix-MS	0.97 0.48 0.66	DEFL Vert(LL) Vert(CT) Horz(CT)	in -0.14 -0.18 0.04	(loc) 6-8 6-8 5	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 M18AHS Weight: 124 lb	GRIP 244/190 186/179 FT = 20%	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD WEBS	 D 2x6 SP No.1 D 2x6 SP No.1 2x4 SP No.3 *Except* W2:2x4 SP No.1 D Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals. D Rigid ceiling directly applied or 10-0-0 oc bracing. 1 Row at midpt 2-9 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide. 		 TCLL: ASCE 7-16; Pr=100.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=10.0 psf; Pf=11.9 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Fully Exp.; Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0:0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4. Provide adequate drainage to prevent water ponding. All plates are MT20 plates unless otherwise indicated. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 9 and 48 lb uplift at joint 5. LOAD CASE(S) Standard 										
REACTIONS (FORCES TOP CHORD BOT CHORD WEBS	(size) 5=5-08, (r (min. 1-08 Max Horiz 9=72 (LC Max Uplift 5=-48 (LC Max Grav 5=2270 (I (Ib) - Max. Comp./M (Ib) or less except w 1-9=-585/100, 2-3=- 3-11=-3341/389, 4-7 4-5=-2189/286 8-9=-439/3296, 7-8= 6-7=-419/341 4-6=-427/3624, 2-9= 3-6=-1491/268	min. 2-11), 9= Mechanical 3) 12) 13), 9=-48 (LC 13) LC 2), 9=2270 (LC 2) fax. Ten All forces 250 then shown. 3302/382, 11=-3341/389, =-419/3341, =-3601/427,	QR Link: How to	Read Engineer D	rawings								

NOTES

1) Unbalanced roof live loads have been considered for this

design. Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; 2) B=25ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Job	Truss	3	Truss Type		Qty	Ply	Lucy Quar	ter Towr	home	s		
B2500281	RC2	2	Flat Girder			2	Job Refere	ence (op	tional)			
Hiwassee Structu	ural Products, Chattano	oga, TN 37404, Chase Tho	omas	Run: 8.82 S Oct 31 2	024 Print:	8.820 S Oct	31 2024 MiTel	<pre>c Industrie</pre>	es, Inc.	Wed Mar 05 14	:02:17 Page:	
					ID:?esf	GXHlkphV8′	PPO?x475zgg?	1k-ENr7()B_S30	IHT2MOwHYxn	nVBTcec?yn3umETNcAzdz49	
			/	17-09-0	0		/					
		5-11-09	,	5-09-13	5		,		5-11	-09	1	
	5x6		7x8				3x10				4×4	
ς.			\forall								-74-	
		T1					T2					
						/	\square					
3-07	W1	W2	W1	W	2	V	V1	W2			W1	
3-0										\sim		
							h					
<pre></pre>			-R1									
											\bowtie	
235	57 lb/-58 lb 2x4		4x8		5x6		2x4			2660	lb/-91 lb ^{4x4}	
									IUS24			
	/	5-11-09	/	5-09-13	5		/		5-11	-09	/	
Diata Officiata ()	<u> </u>	[4.Edge 2.00] [0:2.42	4 401									
Plate Olisets (A	λ, Υ): [2.4-00,4-06],	[4.Euge,3-06], [6.2-12,	1-12]									
Loading TCLL (roof)	(psf) 100.0	Spacing Plate Grip DOL	2-00-00 1.15	CSI TC 0.	43 Ver	FL t(LL) -	in (loc) 0.08 6-8	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190	
Snow (Pf/Pg)	11.9/10.0	Lumber DOL Rop Stross Incr	1.15 NO	BC 0.	51 Ver	t(CT) -	0.10 6-8	>999	180 p/2			
BCLL	0.0	Code	IBC2021/TPI2014	Matrix-MS		2(01)	0.02 5	n/a	II/a			
BCDL	10.0									Weight: 248	3 lb FT = 20%	
			4) Wind: ASCE	7-16; Vult=115mph (3	-second	<u>QR Lin</u>	QR Link: How to Read Engineer Drawings					
BOT CHORD	2x6 SP No.1 2x6 SP No.1		B=25ft; L=25	5ft; eave=4ft; Cat. II; Ex	p B; End	losed;						
	2x4 SP No.3		MWERS (dir cantilever lei	ft and right exposed ; e	nd vertic	one; al left and						
TOP CHORD	Structural wood sh	neathing directly applied	l or right expose reactions sh	d;C-C for members an own; Lumber DOL=1.6	d forces a 0 plate g	& MWFRS rip DOL=1	for .60					
BOT CHORD	Rigid ceiling direct	ly applied or 10-0-0 oc	5) TCLL ASCE	- 7-16 [.] Pr=100 0 psf (ro	ofll·li	um DOI =1	15					
DEACTIONS	bracing.	(min 1.00) 0- Machar	Plate DOL=									
REACTIONS	(Size) 5–5-06, (min. 1-0	(11111. 1-09), 9– Mechar)8)	nical, 1.15 Plate DOL = 1.15), IS=1.0, Rough Cat B, Fully Exp., Ce=0.9; Cs=1.00; Ct=1.10, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in									
	Max Horiz 9=-72 (L Max Uplift 5=-91 (L	.C 9) .C 13), 9=-58 (LC 13)										
FORCES	Max Grav 5=2660	(LC 2), 9=2357 (LC 2)	accordance 50 6) Provide ade									
	(lb) or less except	when shown.	7) Refer to gird	connection								
TOP CHORD	2-10=-3481/403, 2-	-3=-3481/403, -3=-3481/403,	bearing plate capable of withstanding 58 lb uplift at joint									
BOT CHORD	4-5=-618/104 7-8=-466/3766, 6-7	7=-466/3766,	9) Use MiTek J	US24 (With 4-10d nail	s into Gir	der & 2-10)d					
WEBS	6-12=-466/3766, 5- 1-8=-441/3768, 2-8	-12=-466/3766 3=-1483/255, 3-8=-317/	63. to connect tr	uss) or equivalent at 14 russ(es) RC23 (1 ply 2)	-4-12 fro :6 SP) to	front face	end of					
NOTES	3-6=0/436, 3-5=-40	057/474	bottom chore 10) Fill all nail he	d. oles where hanger is in	contact	with lumbe	er.					
1) 2-ply truss	to be connected tog	gether with 10d (0.131";	X3") LOAD CASE(S) Standard									
nails as fol Top chords	lows: s connected as follov	ws: 2x4 - 1 row at 9-00	oc, Increase=1.15									
2x6 - 2 row Bottom cho	vs staggered at 9-00 ords connected as fo) oc. ollows: 2x6 - 2 rows	Uniform Loads (lb/tt) Vert: 1-4=-64, 5-9=-20									
staggered	at 9-00 oc.	1 - 1 row at 9-00 oc	Concentrate Vert: 12=	ed Loads (lb) 164								
2) All loads a	re considered equal	ly applied to all plies,	ven. 12-									
except if no CASE(S) s	oted as front (F) or b section. Ply to ply co	раск (В) face in the LOA nnections have been		16.20月								
provided to unless othe	o distribute only load erwise indicated.	ls noted as (F) or (B),	12.2									
3) Unbalance	d roof live loads hav	ve been considered for	this 🚺	記録								
acoign.			123									

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC23	Flat Girder	1	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

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JUS24



Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDI	(psf) 100.0 11.9/10.0 20.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 NO IBC2021/TPI2014	CSI TC BC WB Matrix-MP	0.30 0.10 0.10	DEFL Vert(LL) Vert(CT) Horz(CT)	in 0.00 -0.01 n/a	(loc) 3-4 3-4 -	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0										weight: 30 lb	FT = 20%
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x6 SP No.1 2x6 SP No.1 2x4 SP No.3 Structural wood she 3-8-8 oc purlins. Rigid ceiling directly bracing. MiTek recommend required cross brac truss erection, in au Installation guide.	eathing directly applied o / applied or 10-0-0 oc s that Stabilizers and cing be installed during ccordance with Stabilize	 6) Use MiTek J nails into Tru bottom chord 7) Fill all nail ho r 1) Dead + Snot Increase=1 Uniform Loo Vert: 1-2 Concentratt r 	US24 (With 4-10d na iss) or equivalent at 1 uss(es) RC24 (1 ply 2 d. bles where hanger is Standard bw (balanced): Lumber 15 ads (lb/ft) =-64, 3-4=-20 ed Loads (lb) 76	ills int I-8-12 2x4 S in cor er Inci	o Girder & 2- from the left P) to back fa itact with lum rease=1.15, I	10d end ce of ber. Plate					
REACTIONS FORCES WEBS NOTES 1) Wind: ASC	(size) 3=5-08, (i (min. 1-08 Max Uplift 3=-36 (LC Max Grav 3=491 (LC (lb) - Max. Comp./M (lb) or less except w 1-4=-410/112, 2-3=-	min. 1-08), 4= Mechanic 3) C 9), 4=-41 (LC 9) C 2), 4=498 (LC 2) lax. Ten All forces 250 then shown. -410/112 n (3-second gust)										
Vind. ASC Vasd=91m B=25ft; L= MWFRS (a cantilever right expos reactions s	25/16, Vull= 115/hpp 10ph; TCDL=6.0psf; BC 25ft; eave=4ft; Cat. II directional) and C-C (left and right exposed sed;C-C for members shown; Lumber DOL= CE 7-16: Pr=100.0 ps	(3-second gust) CDL=6.0psf; h=25ft; ; Exp B; Enclosed; Corner (3) zone; 4; end vertical left and and forces & MWFRS fr 1.60 plate grip DOL=1.6	<u>QR Link: How to</u> or 0	<u>Read Engineer Drawin</u>	<u>gs</u>							
 2) FOLL ASC Plate DOL 1.15 Plate Ce=0.9; Ci snow load exposed s accordanc 3) Provide ac 4) Refer to di 	s=1.15); Pg=10.0 ps; DOL = 1.15); Pg=10.0 psf; DOL = 1.15); Is=1.0; s=1.00; Ct=1.10, Lu= governs. Rain surch urfaces with slopes le e with IBC 1608.3.4. lequate drainage to p rder(s) for truss to tru	Pf=11.9 psf (Lum DOL=1.1 Pf=11.9 psf (Lum DOL=1.1 Rough Cat B; Fully Exp 50-0-0; Min. flat roof arge applied to all ass than 0.500/12 in revent water ponding. ass connections.	3 : :									

 Refer to girder(s) for truss to truss connections.
 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 41 lb uplift at joint 4 and 36 lb uplift at joint 3.

Job	Truss	Truss Type	Qty	Ply	Lucy Quarter Townhomes
B2500281	RC24	Flat	2	1	Job Reference (optional)

Hiwassee Structural Products, Chattanooga, TN 37404, Chase Thomas

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Loading TCLL (roof) Snow (Pf/Pg) TCDL BCLL BCDL	(psf) 20.0 11.9/10.0 10.0 0.0 10.0	Spacing Plate Grip DOL Lumber DOL Rep Stress Incr Code	2-00-00 1.15 1.15 YES IBC2021/TPI2014	CSI TC BC WB Matrix-MP	0.14 0.05 0.03	DEFL Vert(LL) Vert(CT) Horz(CT)	in n/a 0.00 n/a	(loc) - 3-4 -	l/defl n/a >999 n/a	L/d 999 180 n/a	PLATES MT20 Weight: 24 lb	GRIP 244/190 FT = 20%
	10.0										Weight: 24 lb	
LUMBER TOP CHORD BOT CHORD WEBS BRACING TOP CHORD BOT CHORD	2x4 SP No.1 2x4 SP No.1 2x4 SP No.3 Structural wood she 3-3-8 oc purlins, ex Rigid ceiling directly bracing	eathing directly applied keept end verticals. y applied or 10-0-0 oc	LOAD CASE(S)	Standard								
	MiTek recommend required cross brac truss erection, in a Installation guide.	Is that Stabilizers and cing be installed during ccordance with Stabilize	er <u>QR Link: How to</u>	Read Engineer Dr	rawings							
REACTIONS	(size) 3=5-08, ((min. 1-02) Max Horiz 4=-76 (LC Max Uplift 3=-46 (LC Max Grav 3=134 (LC	min. 1-08), 4= Mechani 8) C 9) C 10), 4=-46 (LC 9) C 22), 4=134 (LC 23)	cal,									
FORCES	(lb) - Max. Comp./M	lax. Ten All forces 25	0									
NOTES 1) Unbalance design. 2) Wind: ASC Vasd=91m B=25ft; L= MWFRS (cantilever right expos	ct roof live loads have CE 7-16; Vult=115mpl nph; TCDL=6.0psf; BC 25ft; eave=4ft; Cat. II directional) and C-C (left and right exposed sed;C-C for members	e been considered for th h (3-second gust) CDL=6.0psf; h=25ft; l; Exp B; Enclosed; Corner (3) zone; d ; end vertical left and and forces & MWFRS	nis for									
 TCLL: AS(Plate DOL 1.15 Plate Ce=0.9; C snow load exposed s accordance Provide ac Refer to gi Provide m bearing pla 4 and 46 ll 	CE 7-16; Pr=20.0 psf =1.15); Pg=10.0 psf; DOL = 1.15); Is=1.0; s=1.00; Ct=1.10, Lu= governs. Rain surch urfaces with slopes le e with IBC 1608.3.4. lequate drainage to p rder(s) for truss to tru echanical connection ate capable of withsta o uplift at joint 3.	(roof LL: Lum DOL=1. Pf=11.9 psf (Lum DOL Rough Cat B; Fully Ex 50-0-0; Min. flat roof large applied to all ess than 0.500/12 in prevent water ponding. Iss connections. (by others) of truss to anding 46 lb uplift at joir	5 = p.; tt									