



Job	Iruss	Iruss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	A02	COMMON	4	1	Job Reference (optional)
Builders Firstsource, Albema	ane, NG 28001	2.8 604	ID:WDvc2XqYPcl	s0eFcMJ	o.zou s Nov 3 zou s Milek industries, inc. Thu Apr 25 14:00:48 2019 Pag JOuu1zNC97-eckyznk6BG?_avjSHMX1m20ES09ckXqaT5Eb3NzN
	-1: -1- -	3-8 6-2-4		6-2-4	
			4x4 =		Scale = 1:4
	2-10-11 7-7-4 1-5-0	$12.00 \overline{12}$ 9 7 8 7 9 7 8 7 9 7 9 7 7 8 7 7 9 7 7 7 7 7 7 7 7 7 7	3 W3	10 12 W2	6x6 = 4
		7 2x4	6 4x8 =		5 2x4
		<u> </u>		12-4-8 6-2-4	3
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING-2-0-0Plate Grip DOL1.15Lumber DOL1.15Rep Stress IncrYESCode IRC2015/TPI2014	CSI. TC 0.56 BC 0.30 WB 0.09 Matrix-AS	DEFL. in Vert(LL) -0.03 Vert(CT) -0.05 Horz(CT) 0.00 Wind(LL) 0.00	(loc) 5-6 6-7 5 6-7	I/defl L/d PLATES GRIP >999 360 MT20 244/190 >999 240 Weight: 79 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP	No.2 No.2 No.3		BRACING- TOP CHORD BOT CHORD	Structura Rigid ce MiTek be inst Installa	ral wood sheathing directly applied, except end verticals. eiling directly applied. recommends that Stabilizers and required cross bracing talled during truss erection, in accordance with Stabilizer ation guide.
REACTIONS. (Ib/size Max Ho Max Up Max Gi	e) 7=362/0-3-8 (min. 0-1-8), 5= prz 7=168(LC 11) plift7=-26(LC 14), 5=-19(LC 14) rav 7=575(LC 2), 5=478(LC 2)	=311/0-3-8 (min. 0-1-8)			
FORCES. (Ib) - Max. TOP CHORD 2-8=-4 2-7=-{ BOT CHORD 6-7=-	Comp./Max. Ten All forces 25 451/54, 8-9=-339/60, 3-9=-319/8 518/129, 4-5=-421/79 198/270	50 (lb) or less except when sh 39, 3-10=-300/89, 10-11=-322	10wn. 2/62, 4-11=-445/60,		
NOTES- (11) 1) Unbalanced roof liv. 2) Wind: ASCE 7-10; V (envelope) gable er	e loads have been considered f Vult=120mph (3-second gust) V Id zone and C-C Exterior(2) -1-5	or this design. asd=95mph; TCDL=6.0psf; E 3-8 to 2-1-5. Interior(1) 2-1-5 t	3CDL=6.0psf; h=25ft; Ca	ıt. II; Exp 4 to 9-7-1) B; enclosed; MWFRS 1 zone: cantilever left
 (a) Totley yadie exposed; end vertia 3) TCLL: ASCE 7-10; Lumber DOL=1.15 4) Roof design snow lo 5) This truss has been non-concurrent with 6) This truss has been provide mechanical 9) This truss is design standard ANSI/TPI 10) This truss design i sheetrock be appli 11) This manufactured building is the resp 	cal left exposed;C-C for membe Pr=20.0 psf (roof live load: Lum Plate DOL=1.15); Category II; E bad has been reduced to accou o designed for greater of min roo o designed for a 10.0 psf bottom en designed for a 10.0 psf bottom en designed for a live load of 20 o chord and any other members. I connection (by others) of truss ed in accordance with the 2015 1. requires that a minimum of 7/16 ed directly to the bottom chord. d truss is designed as an individ ponsibility of the building design	rs and forces & MWRS for r ber DOL=1.15 Plate DOL=1. xp B; Partially Exp.; Ct=1.1 nt for slope. of live load of 12.0 psf or 1.00 chord live load nonconcurrer .0psf on the bottom chord in to bearing plate capable of w International Residential Coc " structural wood sheathing b ual building component. The er per ANSI TPI 1 as reference	times flat roof load of 7. times flat roof load of 7. times flat roof load of 7. times flat roof load of 7. twith any other live loa all areas where a rectan vithstanding 100 lb uplift de sections R502.11.1 a the applied directly to the e suitability and use of th ced by the building code	7 psf on ds. gle 3-6-0 at joint(s nd R802. top chorc is compo	1.60 plate grip DOL=1.60 Ps=5.9 psf (roof snow: 0 overhangs 0 tall by 2-0-0 wide will fit s) 7, 5. 2.10.2 and referenced rd and 1/2" gypsum onent for any particular



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B01	MONOPITCH GIRDER	1	1	
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries. Inc. Thu Apr 25 14:00:52 2019 Page 2

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:00:52 2019 Page 2
 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-XNzTp9ndFVVP3W0DWCbzxuBzjdWFgJWAOjCpC8zNAAf
 This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 3-5=-45, 6-9=-20 Consecutive of Loads (b)

Concentrated Loads (lb) Vert: 3=-1(B) 8=-8(B) 10=-0(B) 11=-0(B) 12=-0(B) 13=-0(B) 14=-4(B) 15=-4(B) 16=-4(B) 17=-4(B) 17



11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

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

14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B02	MONOPITCH	1	1	Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:00:53 2019 Page 2

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-?ZXr0VoF0odGhgbP4v7CT6j1n1qyPnBJcNxMkazNAAe

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 3-4=-45, 5-7=-20



Max Grav 7=575(LC 2), 5=478(LC 2)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-8=-441/0, 8-9=-304/0, 3-9=-294/9, 2-7=-508/67

BOT CHORD 6-7=-351/436 WFBS

3-6=0/269, 3-5=-378/135, 2-6=-232/289

NOTES-(13)

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-1-5, Interior(1) 2-1-5 to 6-9-12, Exterior(2) 6-9-12 to 10-2-9 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

- 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.

6) Provide adequate drainage to prevent water ponding.

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

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

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

10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

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

13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B03	MONOPITCH	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:00:55 2019 Page 2
				-10-5-1	

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-xyfcRApVYQt_wzloBK9gZXpN2rWhtgfc4hQTpTzNAAc

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 3-4=-45, 5-7=-20



- BOT CHORD 8-11=-179/306, 11-12=-179/306, 7-12=-179/306
- WEBS 3-7=-254/208, 5-7=-150/463, 3-8=-261/64

NOTES- (12)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-1-5, Interior(1) 2-1-5 to 8-9-12, Exterior(2) 8-9-12 to 12-2-12 zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

4) Roof design snow load has been reduced to account for slope.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.

- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=140. 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular billing component.

building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B04	MONOPITCH	1	1	
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:00:56 2019 Page 2

8.200 s Nov 3 2018 Mi lek industries, inc. Thu Apr 25 14:00:56 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-P8D_eWq7Jj?rY7K_l1gv5kLdAEotc6SIILA0LvzNAAb

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-32, 4-5=-45, 6-8=-20



Installation guide

LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, ex-
BOT CHORD	2x10 SP No.2		2-0-0 oc purlins (6-0-0 max.): 5-6.
WEBS	2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 6-7-14 oc bracing.
OTHERS	2x4 SP No.2	WEBS	1 Row at midpt 6-7
SLIDER	Left 2x6 SP No.2 2-6-0		MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer

REACTIONS. (lb/size) 2=380/0-3-8 (min. 0-1-8), 7=415/0-3-8 (min. 0-1-8) Max Horz 2=390(LC 14) Max Uplift7=-128(LC 14) Max Grav 2=589(LC 2), 7=572(LC 26)

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

- TOP CHORD 2-14=-453/324, 3-14=-428/361
- BOT CHORD 2-9=-349/406
- WEBS 3-8=-485/405

NOTES-(14)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-1-5, Interior(1) 2-1-5 to 10-9-12, Exterior(2) 10-9-12 to 12-2-12 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof 3) snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) 100.0lb AC unit load placed on the bottom chord, 10-0-0 from left end, supported at two points, 2-0-0 apart.
- 7) Provide adequate drainage to prevent water ponding.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=128. 12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code. Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B05	MONOPITCH	1	1	leb Poference (entional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:00:58 2019 Page 2

8.200 s Nov 3 2018 Mitek industries, inc. Thu Apr 25 14:00:58 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-MXKk3CsOrLFZnRUNsSiNA9RyJ2T?4202mef7QozNAAZ

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-5=-32, 5-6=-45, 7-10=-20 Concentrated Loads (lb) Vert: 16=-50 17=-50

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEI	GH LAUREL
1625532	B06	MONOPITCH	1	1	Job Beference (optiona	al)
Builders Firstsource, Albemarl	e, NC 28001			s0eEcM.I	8.200 s Nov 3 2018 MiTe	k Industries, Inc. Thu Apr 25 14:00:59 2019 Page 1
		1-3-8 3-11-0	12-4-8		Juu 121037-0ju/1113000	
		1-3-8 3-11-0	8-5-8			
			3x4	 5		Scale = 1:79.2
		II	_	Å	I	
		12	.00 12			
			1472			
		4x6 1/				
		8 12	\square		8	
		61 2x4 4	\$	⊠ BL1	13-6	
		3	.0			
		13 71	.90			
			8-0-4	\rightarrow		
			B1			
		¹	15	16 🕅		
		6x6 = 3x6		3x6 =		
			12-4-8			
			12-4-0			
LOADING (psf)	SPACING- 2-0-0 Plate Grip DOI 1 15	CSI. TC 0.51	DEFL. in Vert(LL) 0.21	(loc) 6-7	I/defl L/d	PLATES GRIP MT20 244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.70	Vert(CT) -0.24	6-7	>604 240	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS	Horz(CT) 0.05	2	n/a n/a	Weight: 127 lb FT = 20%
			BBACING-			
TOP CHORD 2x6 SP N	lo.2		TOP CHORD	Structur	al wood sheathing dire	ectly applied or 6-0-0 oc purlins.
WEBS 2x4 SP N	No.2 Io.3		WEBS	1 Row a	iling directly applied o it midpt 5-6	r 6-2-6 oc bracing.
OTHERS 2x4 SP N	10.2 SP DSS 2.6.0			MiTek	recommends that Sta	bilizers and required cross bracing
SLIDEN Leit 200	51 055 2-0-0			be inst Installa	alled during truss erec ation guide.	ction, in accordance with Stabilizer
REACTIONS. (lb/size)	2=379/0-3-8 (min. 0-1-8), 6	=396/0-3-8 (min. 0-1-8)				
Max Hor	ft6=-196(LC 14)					
Max Gra	v2=589(LC 2), 6=620(LC 26					
FORCES. (Ib) - Max. C	omp./Max. Ten All forces 2	50 (lb) or less except when shown.				
BOT CHORD 2-13=-5	1/516 3-13=-509/433, 5-6=	-284/198				
WEBS 3-7=-51	0/426					
NOTES- (11)						
1) Wind: ASCE 7-10; VL (envelope) gable end	It=120mph (3-second gust) zone and C-C Exterior(2) -1-	/asd=95mph; TCDL=6.0psf; BCDL: 3-8 to 2-1-5. Interior(1) 2-1-5 to 12-	=6.0psf; h=25ft; Ca 2-9 zone: cantileve	at. II; Exp er left exp	B; enclosed; MWFRS osed : end vertical lef	i t
exposed;C-C for men	bers and forces & MWFRS	for reactions shown; Lumber DOL=	1.60 plate grip DOI	_=1.60	Do E O pot /roof opour	
Lumber DOL=1.15 Pl	ate DOL=1.15); Category II;	Exp B; Partially Exp.; Ct=1.1	g=10.0 psi (ground	u show),	FS=5.9 psi (1001 Show	
 Roof design snow loa This truss has been of 	d has been reduced to acco	unt for slope. of live load of 12.0 psf or 1.00 times	s flat roof load of 7	7 nsf on	overhanos	
non-concurrent with c	other live loads.				oronnango	
6) This truss has been c	placed on the bottom chord, lesigned for a 10.0 psf bottor	n chord live load nonconcurrent with	n any other live loa	art. ds.		
7) * This truss has been	designed for a live load of 2	0.0psf on the bottom chord in all are	eas where a rectan	gle 3-6-0	tall by 2-0-0 wide will	fit
8) Bearing at joint(s) 6 c	onsiders parallel to grain val	ue using ANSI/TPI 1 angle to grain	formula. Building (designer	should verify capacity	of
bearing surface. 9) Provide mechanical c	connection (by others) of trus	s to bearing plate capable of withsta	anding 100 lb unlift	at ioint(s) excent (it=lb) 6=196	
10) This truss is designed	ed in accordance with the 20	15 International Residential Code se	ections R502.11.1	and R80	2.10.2 and referenced	-
standard ANSI/ [PI 1 11) This manufactured t	ı. russ is designed as an indivi	dual building component. The suita	bility and use of th	is compo	onent for any particular	r
building is the respo	nsibility of the building desig	ner per ANSI TPI 1 as referenced b	y the building code).		
LOAD CASE(S) Standa	rd					



11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



REACTIONS. (Ib/size) 1=337/Mechanical, 5=421/0-3-8 (min. 0-1-8) Max Horz 1=341(LC 14) Max Uplift5=-113(LC 14) Max Grav 1=507(LC 2), 5=571(LC 2)

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

TOP CHORD 1-12=-434/309, 2-12=-410/345

BOT CHORD 1-7=-342/405

WEBS 2-6=-480/399

NOTES- (14)

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-4-13, Interior(1) 3-4-13 to 10-5-4, Exterior(2) 10-5-4 to 12-2-12 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

4) Roof design snow load has been reduced to account for slope.

5) 100.0lb AC unit load placed on the bottom chord, 10-0-0 from left end, supported at two points, 2-0-0 apart.

6) Provide adequate drainage to prevent water ponding.

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

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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

10) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=113.
 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B08	MONOPITCH	1	1	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:02 2019 Page 2

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-ElaFvZvuuZm?G2n85InJL?bbnfqi0s2ehGdLZZzNAAV

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-32, 3-4=-45, 5-8=-20 Concentrated Loads (lb) Vert: 14=-50 15=-50



- TOP CHORD
- 2-9=-299/76, 3-10=-297/0, 5-6=-467/179, 2-8=-358/142 BOT CHORD
- 8-13=-175/306, 13-14=-175/306, 7-14=-175/306

5-7=-147/428 WFBS

NOTES-(13)

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-1-5, Interior(1) 2-1-5 to 8-5-4, Exterior(2) 8-5-4 to 11-10-1 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

4) Roof design snow load has been reduced to account for slope.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.

6) Provide adequate drainage to prevent water ponding.

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

* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=126. 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced

standard ANSI/TPI 1.

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

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

13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	B09	MONOPITCH	1	1	Let Deferrence (anti-ant)
					Job Reference (optional)
Builders Firstsource, Albemarle, I	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:04 2019 Page 2

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:04 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-Ahh0KFw9QB0iVMxWDjpnQQhzTTZCUjlx8a6SdRzNAAT

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-4=-32, 4-5=-45, 6-8=-20



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

TOP CHORD 2-8=-452/54, 8-9=-351/73, 3-9=-338/102, 2-7=-513/144 BOT CHORD

6-7=-440/545, 6-12=-180/333, 5-12=-180/333

3-6=0/261, 3-5=-404/179, 2-6=-219/264 WEBS

NOTES-(13)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-1-5, Interior(1) 2-1-5 to 6-5-4, Exterior(2) 6-5-4 to 9-10-1 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
- ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof 3) snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.

Roof design snow load has been reduced to account for slope.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.

- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=104. 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL	
1625532	B10	Monopitch	1	1	Job Reference (optional)	
Builders Firstsource, Albemarle, NC 28001 8.200 s Nov 3 2018 MTek Industries, Inc. Thu Apr 25 14:01:						

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:05 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-etFOXbxnBU8Z7WWjnQK0zeD6Ttx8DCe4NEr?9uzNAAS

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-3=-32, 3-4=-45, 5-7=-20



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	BG01	FLAT GIRDER	1	2	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:11 2019 Page 2

8.200 s Nov 3 2018 Millek industries, inc. Thu Apr 25 14:01:11 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-T1dfoe0YnKujrRzt7hRQCvTAIHxOdq7zIAIJNXzNAAM

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-5=-45, 6-10=-20 Concentrated Loads (lb) Vert: 8=-273(F) 11=-301(F) 12=-301(F) 15=-257(F) 17=-273(F) 18=-273(F) 19=-273(F) 21=-273(F)



Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	BG02	FLAT GIRDER	1	2	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001			Dvc2XqYF	cks0eFcN	8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:16 2019 Page 2 MJOuu1zNC97-q?QYrM4gbtX0xCsqwE1bvyA0_IZSI3OivS042IzNAAH

NOTES- (16)

14) Use Simpson Strong-Tie MUS26 (6-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 1-5-4 from the left end to 9-5-4 to connect truss(es) H03 (1 ply 2x4 SP), H04 (1 ply 2x4 SP) to back face of bottom chord.
15) Fill all nail holes where hanger is in contact with lumber.
16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Vert: 1-4=-45, 5-8=-20

Concentrated Loads (lb)

Vert: 7=-275(B) 9=-275(B) 10=-954(F) 11=-954(F) 12=-275(B) 13=-954(F) 14=-275(B) 15=-954(F) 16=-279(B) 17=-959(F)



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	C01	Common Girder	1	2	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001			•		8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:22 2019 Page 2

8.200 s Nov 3 2018 Milek industries, inc. Thu Apr 25 14:01:22 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-f8np6P8RBjH9f7J_GV8?9DQ7FjjTitqaHNTOGPzNAAB 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-35, 2-3=-35, 5-8=-20 Concentrated Loads (lb) Vert: 4=-315(F=0, B=-315) 11=-5(F) 16=-5(F) 17=-317(F=-1, B=-315) 18=-319(F=-4, B=-315) 19=-4(F) 20=-315(B) 21=-1(F) 22=-317(B)



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

12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D01	PIGGYBACK BASE	1	1	lah Dafamana (antiana)
					Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:24 2019 Page 2

8.200 s Nov 3 2018 Mi lek industries, inc. Thu Apr 25 14:01:24 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-bXvZW5AhjKXtvRTMOwATEeWLPXINAi3tlhyVKHzNAA9

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-32, 3-5=-45, 5-7=-32, 8-14=-20



Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D02	PIGGYBACK BASE	2	1	leb Deference (antional)
Buildore Eirsteoureo, Albomario	NC 28001				JOD Reference (optional)
Duidels Filsbource, Albeinane, No 20001			WDvc2XaYPc	s0eFcMJ	Duu1zNC97-Xw1KxnBvFxnb8kdlVLCxJ3bkGK?Zea9AC?RcPAzNAA7

NOTES- (12)

- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-5=-32, 5-8=-45, 8-10=-32, 18-19=-20, 17-18=-20, 16-17=-20, 15-16=-20, 11-15=-20



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D03	PIGGYBACK BASE	3	1	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001 8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:28 2019 Pa					

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-TI84MSDCmZ1JN2m8dIFPOUg4A8gL6YPTfJwjT2zNAA5

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-5=-32, 5-8=-45, 14-15=-20, 13-14=-20, 12-13=-20, 11-12=-20, 9-11=-20



Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL		
1625532	D04	PIGGYBACK BASE	1	1			
					Job Reference (optional)		
Builders Firstsource, Albemarle, NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:30 2019 Page 2			
		ID:WDvc2	2XqYPcks)eFcMJOL	u1zNC97-QhGrn8ESIAH0dMwWkAHtTvISPxRNaTem7dPqYxzNÅA3		

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-32, 4-7=-45, 13-15=-20, 11-12=-20, 8-10=-20



- 11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard Continued on page 2
Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D05	PIGGYBACK BASE	5	1	Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001	ID MA			8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:32 2019 Page 2

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-M4ObCqGjqnYksf4vsbJLZKrjHl8P2Oz2axuwcpzNAA1

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-5=-45, 9-11=-20, 6-8=-20



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D06	PIGGYBACK BASE	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:35 2019 Page 2
		ID:WI	Dvc2XqYF	cks0eFcN	IJOuu1zNC97-me3kqslb7iwJj7pUXkt2AzTEwy2BFhlVGv6bD8zNĂA_

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-6=-45, 6-8=-32, 9-16=-20



12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code. Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D07	PIGGYBACK BASE	5	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:37 2019 Page 2
		ID:WI	Dvc2XqYP	cks0eFcM	JOuu1zNC97-i1BUFXKrfKA1yQzsf8vWGOYaymkljbbokDbhH1zNA9y

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-6=-45, 6-8=-32, 9-16=-20

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH	1 LAUREL
1625532	D08	PIGGYBACK BASE	1	1		
Builders Firstsource Albemarle	NC 28001				Job Reference (optional) 8 200 s Nov. 3 2018 MiTek	Industries Inc. Thu Apr 25 14:01:39 2019 Page 1
Duiders Filstsburge, Alberhane,	100 20001		ID:WDvc2XqYPck	s0eFcMJO	uu1zNC97-fQJEgDL6Bx	QICk6FmZx_Lpdw1aPNBVr4BX4oLvzNA9w
	$+ \frac{2 - 1 - 0}{2 - 1 - 0} + \frac{9 - 4 - 12}{7 - 3 - 12}$	<u> </u>	23-10-8	}	<u>+ 28-8-0</u> 4-9-8	<u>33-9-0</u> 5-1-0
	2.0 /0.2	, 20				0.1.1.775
5x8 N	IT18HS=					Scale = 1:70.5
12.00 12		1.5x4 3x4 = 3	3x8 =		5x8 MT18HS =	
	2 2	²¹ T2 ³ 22 4	5 ₁₂₃		6	
3x6 /			\mathbb{R}	ť		T
Ī						
		W4//	W4			.5x4 //
11-0						11-0
0-	WL WB W4	wβ	ws 🔪	v	va // ``	24 0
8-1-	⁴ W2					4x4 🚿
					NIS	8
						9
	<mark>∦ \} B1</mark>	p	₽ 82		₫ <u></u> B1	
	[⊠] 16 15 2	⁵ 14 ¹³	12 2	26 11	10 27	28
1	.5x4 3x6 =	4x8 = 3x4 = 1	.5x4	3x4 = 32	x8 =	4x10
	2-1-0 9-4-12	16-6-12	23-10-8	3	33-9-0	
	2-1-0 7-3-12	7-2-0	7-3-12		9-10-8	
Plate Olisets (A, f) [2.0	-0-4,0-1-12], [0.0-0-4,0-1-12	<u> </u>				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in	(loc) l	/defl L/d	PLATES GRIP
TCDI 10.0	Plate Grip DOL 1.15	BC 0.65	Vert(LL) -0.18 Vert(CT) -0.34	10-19 >	9999 360 9999 240	MT20 244/190 MT18HS 244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.58	Horz(CT) 0.06	9	n/a n/a	
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.05	10-12 >	999 240	Weight: 268 lb FT = 20%
LUMBER-			BRACING-			
TOP CHORD 2x4 SP No	.2		TOP CHORD	Structura	al wood sheathing direc	tly applied, except end verticals, and
WEBS 2x4 SP No	.3		BOT CHORD	Rigid cei	ling directly applied.	0.
SLIDER Right 2x6	SP No.2 2-6-0		WEBS	1 Row at	midpt 2-15,	3-14, 5-14, 5-10, 1-16
				MiTek	recommends that Stabi	lizers and required cross bracing
				Installa	tion quide.	on, in accordance with Stabilizer
REACTIONS. (lb/size)	9=984/0-3-8 (min. 0-1-11),	16=1054/0-3-8 (min. 0-1-11)				
Max Horz Max Unlift	16=-290(LC 15) 9=-71(LC 15) 16=-96(LC 1	0)				
Max Grav	9=1415(LC 3), 16=1449(LC	3)				
FORCES (Ib) - Max Co	mn /May Ten - All forces 2	50 (lb) or less except when shown				
TOP CHORD 1-2=-408	/63, 2-21=-956/143, 3-21=-	956/143, 3-22=-956/143, 4-22=-956	6/143, 4-5=-956/14	3,		
5-23=-98	84/198, 6-23=-984/198, 6-7	=-1457/192, 7-24=-1492/138, 8-24=	-1577/118,			
8-9=-6/2 BOT CHORD 15-16=-2	//0, 1-16=-1485/127 /02/289. 15-25=-70/401. 14	-25=-70/401, 13-14=-79/1205, 12-1;	3=-79/1205.			
12-26=-7	9/1205, 11-26=-79/1205, 1	0-11=-79/1205, 10-27=-4/1055, 27-2	28=-4/1055,			
9-28=-4/* WEBS 2-1597	1055 1/177 2-1/1/5/1109 3-1	4456/159 5-14448/134 5-12-0	0/386			
5-10=-45	2/134, 6-10=-5/670, 1-15=-	108/1222	0/000,			
NOTES (13)						
1) Unbalanced roof live lo	ads have been considered	for this design.				
2) Wind: ASCE 7-10; Vull	=120mph (3-second gust)	Vasd=95mph; TCDL=6.0psf; BCDL=	=6.0psf; h=25ft; Ca	at. II; Exp	B; enclosed; MWFRS	
(envelope) gable end z	s & MWERS for reactions s	1-12 to 6-10-11, Interior(1) 6-10-11 1 hown: Lumber DOI =1 60 plate grip	DOI = 1.60	r(2) 23-10	-8 to 28-9-3 zone;C-C	
3) ** TCLL: ASCE 7-10; F	Pr=20.0 psf (roof live load: L	umber DOL=1.15 Plate DOL=1.15)	; Pg=10.0 psf (grou	und snow)	; Ps= varies (min. roof	
snow=5.9 psf Lumber I	DOL=1.15 Plate DOL=1.15)	see load cases; Category II; Exp B	; Partially Exp.; Ct	=1.1, Lu=	76-0-0; Min. flat roof	
4) Roof design snow load	has been reduced to all	exposed surfaces with slopes less t unt for slope.	unan 0.000/12 m ac	Loordance	; willi idu 1000.3.4.	
5) Provide adequate drair	hage to prevent water pond	ing.				
 b) All plates are MT20 pla 7) This truss has been de 	ates unless otherwise indication signed for a 10.0 psf bottor	ated. n chord live load nonconcurrent with	h anv other live los	ds		
8) * This truss has been o	lesigned for a live load of 2	0.0psf on the bottom chord in all are	eas where a rectan	gle 3-6-0	tall by 2-0-0 wide will fi	t
between the bottom ch	ord and any other members	s, with BCDL = $10.0psf$.	anding 100 lb us life	ot io:-+/-)	0.16	
 a) Frovide mechanical co 10) This truss is designed 	in accordance with the 20	s to bearing plate capable of withsta 15 International Residential Code se	ections R502.11.1	and R802	1.10.2 and referenced	
standard ANSI/TPI 1.						
 This truss design required 	uires that a minimum of 7/1	6" structural wood sheathing be app	blied directly to the	top chord	and 1/2" gypsum	

sheetrock be applied directly to the bottom chord. 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D08	PIGGYBACK BASE	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:39 2019 Page 2

13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-6=-45, 6-9=-32, 16-17=-20



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

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

11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	D09	PIGGYBACK BASE	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:41 2019 Page 2
			0V-VD-L	-0-5-1410	

8.200 s Nov 3 2018 Mi lek industries, inc. Thu Apr 25 14:01:41 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-boR?5vNMjYgSR2Geu__SQEjG9N3dfQVNfravQozNA9u

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-32, 4-6=-45, 7-10=-20



2) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particul building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS. All bearings 12-6-0. (Ib) - Max Horz 19=177(LC 1

b) - Max Horz 19=177(LC 13) Max Uplift All uplift 100 lb or less at joint(s) 19, 12, 17, 14 except 18=-177(LC 14), 13=-173(LC 15) Max Grav All reactions 250 lb or less at joint(s) 19, 12, 16, 17, 18, 15, 14, 13

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

NOTES- (15)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-11-0 to 2-5-13, Exterior(2) 2-5-13 to 6-3-0, Corner(3) 6-3-0 to 9-7-13 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 5) Roof design snow load has been reduced to account for slope.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 1.5x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 12, 17, 14 except (jt=lb) 18=177, 13=173.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23	LEIGH LAUREL	
1625532	E02	COMMON	1	1	lah Deference (anti-		
Builders Firstsource, Albema	arle, NC 28001				8.200 s Nov 3 2018 M	ITek Industries, Inc. Thu	Apr 25 14:01:46 2019 Page 1
		. 4-1-(ID:WDvc2XqYPck	s0eFcMJ 0	Ouu1zNC97-ymEu8c	RVX5IIYp9bgXZd7HQ	2DKOzuKnt6o6Hg50zNA9p
		4-1-() 4-1-	0			
			4x4 =				Scale = 1:45.6
			0				
			5 3%8 =	33	10 x6 \langle 3 W1 \langle 2 \constraints 4 4 4 4 4 4 4 4 4 4 4 4 4		
		1.5X4	3x8 =	1.5	5x4		
		<u> 4-1-0</u> 4-1-0	0 8-2- 0 4-1-	0	_		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.20 BC 0.13 WB 0.04 Matrix-AS	DEFL. in Vert(LL) -0.01 Vert(CT) -0.01 Horz(CT) 0.00 Wind(LL) 0.00	(loc) 4-5 4-5 4 5	l/defl L/d >999 360 >999 240 n/a n/a >999 240	PLATES MT20 Weight: 62 lb	GRIP 244/190 FT = 20%
			BRACING-				
TOP CHORD 2x4 SP	No.2		TOP CHORD	Structur	al wood sheathing	directly applied, exc	ept end verticals.
BOT CHORD 2x4 SP WEBS 2x4 SP	No.2 No.3		BOT CHORD	Rigid ce	eiling directly applied	j. Ztabilizana and namui	
	10.0			be inst	recommends that s talled during truss e	rection. in accordan	red cross bracing
				Installa	ation guide.		
Max Ho Max Up Max Gr))					
FORCES. (Ib) - Max. TOP CHORD 1-6=-2	Comp./Max. Ten All forces 2 278/58, 3-4=-278/58	250 (Ib) or less except when sh	own.				
NOTES- (10) 1) Unbalanced roof live 2) Wind: ASCE 7-10; V (envelope) gable en members and forces 3) TCLL: ASCE 7-10; I Lumber DOL=1.15 f 4) Roof design snow lo 5) This truss has been 6) * This truss has been between the bottom 7) Provide mechanical 8) This truss is design standard ANS/TZP	e loads have been considered /ult=120mph (3-second gust) d zone and C-C Exterior(2) 0- s & MWFRS for reactions sho Pr=20.0 psf (roof live load: Lur Plate DOL=1.15); Category II; bad has been reduced to acco designed for a 10.0 psf botton n designed for a live load of 2 chord and any other member connection (by others) of trus ed in accordance with the 201	for this design. Vasd=95mph; TCDL=6.0psf; B 1-12 to 3-6-9, Interior(1) 3-6-9 t wn; Lumber DOL=1.60 plate gr nber DOL=1.15 Plate DOL=1.1 Exp B; Partially Exp.; Ct=1.1 unt for slope. n chord live load nonconcurrer 0.0psf on the bottom chord in a s. s to bearing plate capable of w 5 International Residential Cod	CDL=6.0psf; h=25ft; Ca to 4-1-0, Exterior(2) 4-1- ip DOL=1.60 5); Pg=10.0 psf (ground at with any other live loa all areas where a rectan ithstanding 100 lb uplift le sections R502.11.1 a	ut. II; Exp 0 to 7-5- d snow); ds. gle 3-6-0 at joint(s nd R802	B; enclosed; MWF 13 zone;C-C for Ps=5.9 psf (roof sn tall by 2-0-0 wide v 6, 4. 10.2 and reference	RS ow: vill fit	

standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES	CSI. TC 0.32 BC 0.30 WB 0.00	DEFL. in (loc) l/defl L/d Vert(LL) -0.02 4-8 >999 360 Vert(CT) -0.04 4-8 >999 240 Horz(CT) 0.01 2 n/a n/a	PLATES GRIP MT20 244/190
BCDL 10.0	Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.03 4-8 >999 240	Weight: 42 lb FT = 20%

LUMBER-

TOP CHORD2x4 SP No.2BOT CHORD2x6 SP No.2WEBS2x4 SP No.3

WEBS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 2-6-0 BRACING-TOP CHORD BOT CHORD

Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=178/0-3-8 (min. 0-1-8), 4=144/0-1-8 (min. 0-1-8) Max Horz 2=212(LC 14) Max Uplift4=-138(LC 14) Max Grav 2=285(LC 2), 4=304(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. BOT CHORD 2-5=-493/651

NOTES- (12)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-0 to 2-5-13, Interior(1) 2-5-13 to 5-7-12 zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1

3) Roof design snow load has been reduced to account for slope.

- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=138.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty Ply	y STURTZ HOMES - 23 LEIGH LAU	IREL
1625532	G02	MONOPITCH GIRDER	1	1 Job Reference (optional)	
Builders Firstsource, Albern	arle, NC 28001	·	ID:WDvc2XqYPcks0e 5-9-8 5-9-8	8.200 s Nov 3 2018 MiTek Indus eFcMJOuu1zNC97-qXTO_U?bJpB0	tries, Inc. Thu Apr 25 14:01:50 2019 Page 1 QSMvNeZH7aqX?EGGbYijkFtEnzNA9I
			1.5x4		Scale = 1:41.6
			2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0- <u>5-8</u> 6-4-8 6-10-0	
		3x10	4x4 — 3x10 // MUS26 MUS26		
		W0526	WIU526		
		ł			
Plate Offsets (X,Y)	1:Edge,0-0-0], [3:0-6-7,Edg	9]	T		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2- Plate Grip DOL 1. Lumber DOL 1. Rep Stress Incr N Code IRC2015/TPI20	I-0 CSI. 15 TC 0.57 15 BC 0.61 IO WB 0.00 14 Matrix-MP	DEFL. in (I Vert(LL) -0.08 Vert(CT) -0.15 Horz(CT) 0.04 Wind(LL) 0.07	oc) I/defi L/d Pi 3-7 >872 360 M 3-7 >437 240 1 n/a n/a 3-7 >959 240 W	LATES GRIP T20 244/190 Veight: 41 lb FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x6 SP WEBS 2x4 SP SLIDEB Left 2x6	No.2 DSS No.3 S.P. No.2 2-6-0		BRACING- TOP CHORD Sti en BOT CHORD Rie	ructural wood sheathing directly a nd verticals. gid ceiling directly applied or 8-4-	pplied or 5-9-8 oc purlins, except

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

Installation guide.

REACTIONS. (lb/size) 1=586/0-3-8 (min. 0-1-8), 3=596/0-1-8 (min. 0-1-8) Max Horz 1=186(LC 10) Max Uplift3=-180(LC 10) Max Grav 1=918(LC 2), 3=934(LC 2)

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

BOT CHORD 1-9=-518/945, 4-9=-518/945

NOTES- (13)

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS
- (envelope) gable end zone; cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow:
- Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=180.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANSI/TPI 1.
- 10) Use Simpson Strong-Tie MUS26 (6-10d Girder, 4-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 0-10-4 from the left end to 4-10-4 to connect truss(es) E01 (1 ply 2x4 SP) to back face of bottom chord.
- 11) Fill all nail holes where hanger is in contact with lumber.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf) Vert: 1-2=-32, 3-5=-20

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	G02	MONOPITCH GIRDER	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:01:50 2019 Page 2
		ID:WD	vc2XqYPcł	s0eFcMJ	Duu1zNC97-qXTOU?bJpB0QSMvNeZH7aqX?EGGbYijkFtEnzÑA9I

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 9=-296(B) 10=-295(B) 12=-297(B)



standard ANS//TPI 1. 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum

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

11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.24 BC 0.14 WB 0.05 Matrix-S	DEFL. in Vert(LL) -0.01 Vert(CT) -0.03 Horz(CT) -0.00	i (loc) I/defi L/d 7 n/r 120 7 n/r 120 8 n/a n/a	PLATES GRIP MT20 244/190 Weight: 47 lb FT = 20%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF WEBS 2x4 SF OTHERS 2x4 SF	2 No.2 2 No.2 2 No.2 2 No.3		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing of end verticals. Rigid ceiling directly applied MiTek recommends that S be installed during truss e Installation guide.	directly applied or 6-0-0 oc purlins, except d or 6-0-0 oc bracing. Stabilizers and required cross bracing rection, in accordance with Stabilizer

REACTIONS. All bearings 10-8-8.

(lb) - Max Horz 2=114(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 11, 10, 9 Max Grav All reactions 250 lb or less at joint(s) 8, 2, 10, 9 except 11=332(LC 2)

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

NOTES-(15)

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-8 to 2-1-5, Exterior(2) 2-1-5 to 12-5-11 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1; Min. flat roof snow load governs.
- 4) Roof design snow load has been reduced to account for slope.
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs
- non-concurrent with other live loads.
- 7) All plates are 1.5x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will 11)fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 11, 10, 9.
- 13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.







11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.





be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS. All bearings 14-10-0. (lb) - Max Horz 19=-221(LC 1

Ib) - Max Horz 19=-221(LC 12)
 Max Uplift All uplift 100 lb or less at joint(s) 19, 12, 17 except 18=-170(LC 14), 14=-100(LC 15), 13=-167(LC 15)
 Max Grav All reactions 250 lb or less at joint(s) 19, 12, 16, 17, 18, 15, 14, 13

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

NOTES- (15)

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-8 to 2-1-5, Exterior(2) 2-1-5 to 7-5-0, Corner(3) 7-5-0 to 10-9-13 zone; cantilever left and right exposed; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TOLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 5) Roof design snow load has been reduced to account for slope.
- 6) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 7) All plates are 1.5x4 MT20 unless otherwise indicated.
- 8) Gable requires continuous bottom chord bearing.
- 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 12, 17 except (jt=lb) 18=170, 14=100, 13=167.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Otv	Plv	STI IBTZ HOMES - 23 FIGH AUREL
1625532	102	BOOF SPECIAL	1	· · · ·	
Builders Firstsource, Albemarle,	NC 28001			2	Job Reference (optional) 8.200 s Nov. 3.2018 MiTek Industries, Inc. Thu Apr 25 14:02:03 2019 Page 2
Duiders Firstsource, Alberhane,	110 20001	ID	:WDvc2XqYPck	s0eFcMJC	Duu1zNC97-y1mJiQe9XJRL4QysAcNcJtd3EFkYpMociGv3CWzNA9Y
 Builders Firstsource, Albemarle, LOAD CASE(S) Standard 1) Dead + Snow (balance Uniform Loads (plf) Vert: 1-12=-432 Trapezoidal Loads (plf) Vert: 1-2=-4432 (2) Dead + Roof Live (bala Uniform Loads (plf) Vert: 1-12=-460 (3) Dead + 0.75 Roof Live Uniform Loads (plf) Vert: 1-12=-460 (4) Dead + 0.75 Roof Live Uniform Loads (plf) Vert: 1-12=-450 (4) Dead + 0.75 Snow (ba Uniform Loads (plf) Vert: 1-12=-425 Trapezoidal Loads (plf) Vert: 1-12=-420 (5) Dead + 0.75 Snow (ba Uniform Loads (plf) Vert: 1-12=-429 (5) Dead + Uninhabitable Uniform Loads (plf) Vert: 1-12=-420 (6) Dead + 0.6 C-C Wind Uniform Loads (plf) Vert: 1-12=-38 Horz: 1-13=-32 Trapezoidal Loads (plf) Vert: 12=-380 (7) Dead + 0.6 C-C Wind 	NC 28001 d d d): Lumber Increase=1.15, 2(F=-400), $3-5=-32$, $10-11=)F=-400)-to-3=-32anced): Lumber Increase=10(F=-400)$, $3-5=-60$, $10-11=)F=-400)-to-3=-60(balanced) + 0.75 Uninhab0(F=-400)$, $3-5=-50$, $10-11=)F=-400)-to-3=-29lanced) + 0.75 Uninhab. Att9(F=-400)$, $3-5=-29$, $10-11=)F=-400)-to-3=-29Attic Without Storage: Lumi0(F=-400)$, $3-5=-20$, $10-11=)F=-400)-to-3=-29(Pos. Internal) Case 1: Lumi0(F=-400)$, $3-15=-20$, $5-15=122, 3-13=-27, 3-15=-290(F=-3100(Pos. Internal) Case 2: Lumi$	ID Plate Increase=1.15 -20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-2 .15, Plate Increase=1.15 -20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-2 . Attic Storage: Lumber Increase=1.15, 1 -20, 9-10=-20, 9-17=-20, 17-18=-50, 8-1 ic Storage: Lumber Increase=1.15, Plate -20, 9-10=-20, 9-17=-20, 17-18=-50, 8-1 ber Increase=1.25, Plate Increase=1.25 -40, 9-10=-40, 8-9=-40, 7-8=-40, 6-7=-4 ber Increase=1.60, Plate Increase=1.60 5, 10-11=-12, 9-10=-12, 8-9=-12, 7-8=- 27, 1-11=18, 5-6=30), 13=-295(F=-310)-to-3=15 ber Increase=1.60, Plate Increase=1.60	:WDvc2XqYPck 0 0 Plate Increase 8=-20, 7-8=-2 e Increase=1. 8=-20, 7-8=-2 0 12, 6-7=-12	=1.15 0, 6-7=-20 15 0, 6-7=-20	8.200 s Nov 3 2018 MTek Industries, Inc. Thu Apr 25 14:02:03 2019 Page 2 Duu12NC97-y1mJiQe9XJRL4QysAcNcJtd3EFkYpMociGv3CWzNA9Y
 7) Dead + 0.6 C-C Wind (Uniform Loads (plf) Vert: 1-12=-383 Horz: 1-14=-27 Trapezoidal Loads (plf) Vert: 12=-385(³) Dead + 0.6 C-C Wind (Uniform Loads (plf) Vert: 1-12=-44 Horz: 1-3=26, : Trapezoidal Loads (plf) 	(Pos. Internal) Case 2: Lum 5(F=-400), 3-16=15, 5-16=2 7, 3-14=-32, 3-16=27, 5-16=) F=-400)-to-14=-257(F=-272 (Neg. Internal) Case 1: Lum 6(F=-400), 3-5=-46, 10-11= 3-5=-26, 1-11=-20, 5-6=-27)	ber Increase=1.60, Plate Increase=1.60 20, 10-11=-12, 9-10=-12, 8-9=-12, 7-8=- 32, 1-11=-30, 5-6=-18), 14=-252(F=-272)-to-3=20 ber Increase=1.60, Plate Increase=1.60 -20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-2	12, 6-7=-12 0		
Vert: 12=-446(9) Dead + 0.6 C-C Wind (Uniform Loads (plf) Vert: 1-12=-44 Horz: 1-3=26;); Trapezoidal Loads (plf) Vert: 12=-446(10) Dead + 0.6 MWFRS	F=-400)-to-3=-46 (Neg. Internal) Case 2: Lum 6(F=-400), 3-5=-46, 10-11= 3-5=-26, 1-11=27, 5-6=20) F=-400)-to-3=-46 Wind (Pos. Internal) Left: Lu	ber Increase=1.60, Plate Increase=1.60 -20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-2 Imber Increase=1.60, Plate Increase=1.	0 0 60		
Vert: 1-12=-4 Horz: 1-3=2, 3 Trapezoidal Loads (p) Vert: 12=-414 11) Dead + 0.6 MWFRS V Uniform Loads (plf) Vert: 1-12=-3 Horz: 1-3=-19 Trapezoidal Loads (p) Vert: 12=-20	14(F=-400), 3-5=7, 10-11=- 3-5=19, 1-11=13, 5-6=17 lf) t(F=-400)-to-3=-14 Wind (Pos. Internal) Right: 1 93(F=-400), 3-5=-14, 10-11 0, 3-5=-2, 1-11=-17, 5-6=-13 lf) t(F=-400)-to-3=7	12, 9-10=-12, 8-9=-12, 7-8=-12, 6-7=-12 -umber Increase=1.60, Plate Increase= =-12, 9-10=-12, 8-9=-12, 7-8=-12, 6-7=-	2 1.60 12		
vert: 12=-393 12) Dead + 0.6 MWFRS V Uniform Loads (plf) Vert: 1-12=-4: Horz: 1-3=12, Trapezoidal Loads (pl Vert: 12=-432 13) Dead + 0.6 MWFRS V Uniform Loads (plf) Vert: 1-12=-4 Horz: 1-3=-9.	V(r=-400)-10-3=7 Wind (Neg. Internal) Left: Li 32(F=-400), 3-5=-11, 10-11 , 3-5=9, 1-11=23, 5-6=8 lf) 2(F=-400)-to-3=-32 Wind (Neg. Internal) Right: 11(F=-400), 3-5=-32, 10-11 3-5=-12, 1-11=-8, 5-6=-23	umber Increase=1.60, Plate Increase=1. =-20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=- Lumber Increase=1.60, Plate Increase= =-20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-	60 20 1.60 20		
Trapezoidal Loads (p) Vert: 12=-411 14) Dead + 0.6 MWFRS 1 Uniform Loads (plf) Vert: 1-12=-3 Horz: 1-3=-35	lf) (F=-400)-to-3=-11 Wind (Pos. Internal) 1st Par 79(F=-400), 3-5=7, 10-11=- 3, 3-5=19, 1-11=11, 5-6=16	allel: Lumber Increase=1.60, Plate Incre 12, 9-10=-12, 8-9=-12, 7-8=-12, 6-7=-12	ease=1.60		

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	102	ROOF SPECIAL	1	2	. Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:03 2019 Page 3

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:03 2019 Page 3 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-y1mJiQe9XJRL4QysAcNcJtd3EFkYpMociGv3CWzNA9Y

LOAD CASE(S) Standard Trapezoidal Loads (plf) Vert: 12=-379(F=-400)-to-3=21 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-393(F=-400), 3-5=21, 10-11=-12, 9-10=-12, 8-9=-12, 7-8=-12, 6-7=-12 Horz: 1-3=-19, 3-5=33, 1-11=-16, 5-6=-11 Trapezoidal Loads (plf) Vert: 12=-393(F=-400)-to-3=7 16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-389(F=-400), 3-5=2, 10-11=-12, 9-10=-12, 8-9=-12, 7-8=-12, 6-7=-12 Horz: 1-3=-23, 3-5=14, 1-11=6, 5-6=12 Trapezoidal Loads (plf) Vert: 12=-389(F=-400)-to-3=11 17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-398(F=-400), 3-5=11, 10-11=-12, 9-10=-12, 8-9=-12, 7-8=-12, 6-7=-12 Horz: 1-3=-14, 3-5=23, 1-11=-12, 5-6=-6 Trapezoidal Loads (plf) Vert: 12=-398(F=-400)-to-3=2 18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-397(F=-400), 3-5=-11, 10-11=-20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-20 Horz: 1-3=-23, 3-5=9, 1-11=21, 5-6=7 Trapezoidal Loads (plf) Vert: 12=-397(F=-400)-to-3=3 19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-411(F=-400), 3-5=3, 10-11=-20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-20 Horz: 1-3=-9, 3-5=23, 1-11=-7, 5-6=-21 Trapezoidal Loads (plf) Vert: 12=-411(F=-400)-to-3=-11 20) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-12=-420(F=-400), 3-5=-20, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-60, 8-18=-20, 7-8=-20, 6-7=-20 Trapezoidal Loads (plf) Vert: 12=-420(F=-400)-to-3=-20 21) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-438(F=-400), 3-5=-22, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Horz: 1-3=9, 3-5=7, 1-11=17, 5-6=6 Trapezoidal Loads (plf) Vert: 12=-438(F=-400)-to-3=-38 22) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-422(F=-400), 3-5=-38, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Horz: 1-3=-7, 3-5=-9, 1-11=-6, 5-6=-17 Trapezoidal Loads (plf) Vert: 12=-422(F=-400)-to-3=-22 23) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-411(F=-400), 3-5=-22, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Horz: 1-3=-18, 3-5=7, 1-11=16, 5-6=5 Trapezoidal Loads (plf) Vert: 12=-411(F=-400)-to-3=-11 24) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-422(F=-400), 3-5=-11, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Horz: 1-3=-7, 3-5=18, 1-11=-5, 5-6=-16 Trapezoidal Loads (plf) Vert: 12=-422(F=-400)-to-3=-22 25) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-459(F=-400), 3-5=-43, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Horz: 1-3=9, 3-5=7, 1-11=17, 5-6=6 Trapezoidal Loads (plf) Vert: 12=-459(F=-400)-to-3=-59 26) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-12=-443(F=-400), 3-5=-59, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Horz: 1-3=-7, 3-5=-9, 1-11=-6, 5-6=-17 Trapezoidal Loads (plf) Vert: 12=-443(F=-400)-to-3=-43

Continued on page 4

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	102	ROOF SPECIAL	1	2	Job Reference (optional)
Builders Firstsource, A	Albemarle, NC 28001		ID:WDvc2XqYF	cks0eFcM	8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:03 2019 Page JOuu1zNC97-y1mJiQe9XJRL4QysAcNcJtd3EFkYpMociGv3CWzNA9
	Standard				
27) Dood + 0.75	Roof Live (bal.) + 0.75 Lini	nhah Attic Storago + 0.75(0.6 MWERS)	Nind (Nog. Int) 1 et P		umber Increase-1.60. Plate Increase-1.60
Liniform Load	(olf)	111ab. Allic Storage + 0.75(0.0 10101 113 1	wind (Neg. Int) 15t1		
Vort:	5 (pii) 1_12432/E400_3_5/	13 10 11 - 20 9 10 - 20 9 17 - 20 17 19	8 50 8 18 20 7 8	- 20 6 7-	- 20
Horz.	$1_{2} = 432(1 = 400), 3_{3} = 400)$	5-6-5	5=-50, 6-16=-20, 7-6	=-20, 0-7=	=-20
Tranezoidal I	$r_{0} = r_{0}, r_{0} = r_{0}, r_{1} = r_{0}, r_{0$	5-0=5			
Vert	12432(F400)-to-332				
28) Dead + 0 75 I	Roof Live (bal.) + 0.75 Uni	nhab_Attic Storage + 0.75(0.6 MWERS \	Nind (Neg. Int) 2nd F	Parallel)· I	umber Increase=1.60. Plate Increase=1.60
Uniform Load	s (plf)			aranoi). E	
Vert:	1-12=-443(F=-400), 3-5=-;	32, 10-11=-20, 9-10=-20, 9-17=-20, 17-18	8=-50, 8-18=-20, 7-8	=-20. 6-7=	20
Horz:	1-3=-7. 3-5=18. 1-11=-5.	5-6=-16	,,	, .	
Trapezoidal L	oads (plf)				
. Vert:	12=-443(F=-400)-to-3=-43				
29) 1st Dead + Re	oof Live (unbalanced): Lur	nber Increase=1.15, Plate Increase=1.15	5		
Uniform Load	s (plf)				
Vert:	1-12=-460(F=-400), 3-5=-2	20, 10-11=-20, 9-10=-20, 8-9=-20, 7-8=-2	20, 6-7=-20		
Trapezoidal L	oads (plf)				
Vert:	12=-460(F=-400)-to-3=-60				
30) 2nd Dead + F	loof Live (unbalanced): Lu	mber Increase=1.15, Plate Increase=1.1	5		
Uniform Load	s (plf)				
Vorte	1 10 400/E 400\ 0 E (

Vert: 1-12=-420(F -400), 3-5=-60, 10-11=-20, 9-10=-20, 8-9=-20, 7-8=-20, 6-7=-20 Trapezoidal Loads (plf) Vert: 12=-420(F=-400)-to-3=-20

Vert: 12=-420(F=-400)-to-3=-20
31) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-12=-450(F=-400), 3-5=-20, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Trapezoidal Loads (plf) Vert: 12=-450(F=-400)-to-3=-50
32) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-12=-420(F=-400), 3-5=-50, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Trapezoidal Loads (plf) Vert: 1-12=-420(F=-400), 3-5=-50, 10-11=-20, 9-10=-20, 9-17=-20, 17-18=-50, 8-18=-20, 7-8=-20, 6-7=-20 Trapezoidal Loads (plf) Vert: 12=-420(F=-400)-to-3=-20

Installation guide.

REACTIONS. (lb/size) 5=160/0-3-8 (min. 0-1-8), 3=-21/Mechanical, 4=0/Mechanical Max Horz 5=57(LC 11)

Max Uplift5=-15(LC 14), 3=-35(LC 2), 4=-14(LC 11) Max Grav 5=262(LC 2), 3=9(LC 10), 4=20(LC 12)

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

NOTES- (10)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Max Uplift3=-25(LC 2), 4=-29(LC 14)

Max Grav 5=190(LC 2), 3=10(LC 10), 4=28(LC 12)

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

NOTES- (10)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

WFBS 2x4 SP No.3 BRACING-TOP CHORD

BOT CHORD

Structural wood sheathing directly applied or 1-6-12 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.

REACTIONS. (lb/size) 3=7/Mechanical, 4=6/Mechanical, 5=116/0-3-8 (min. 0-1-8) Max Horz 5=38(LC 16) Max Uplift3=-14(LC 16), 5=-27(LC 16) Max Grav 3=12(LC 30), 4=22(LC 7), 5=187(LC 2)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow:
- Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Max Uplift5=-29(LC 7), 3=-19(LC 27)

Max Grav 5=192(LC 2), 3=37(LC 2), 4=37(LC 5)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS
- (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof 2)
- snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; 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) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs
- non-concurrent with other live loads.
- 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-32, 2-3=-45, 4-5=-20

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	J04	Jack-Open Girder	2	1	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001				0.5.140	8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:09 2019 Page 2

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-mB7azUjw79CUoLP0XtU0Z8tA1gsfDBFV5BMOPAzNA9S

LOAD CASE(S) Standard Concentrated Loads (Ib) Vert: 5=1(B)

LUMBER-			BRACING-			
TOP CHORD	2x4 SP	No.2	TOP CHORD	Structural wood sheathing	directly applied or 2-3-0 oc purlins,	except
BOT CHORD	2x4 SP	No.2		end verticals, and 2-0-0 oc	purlins: 3-4.	
WEBS	2x4 SP	No.3	BOT CHORD	Rigid ceiling directly applie	d or 6-0-0 oc bracing.	
				MiTek recommends that \$	Stabilizers and required cross bracin	α

be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS. (Ib/size) 7=119/0-3-8 (min. 0-1-8), 4=31/Mechanical, 5=16/Mechanical Max Horz 7=60(LC 11) Max Uplift7=-3(LC 14), 4=-19(LC 11), 5=-13(LC 11) Max Grav 7=198(LC 2), 4=41(LC 32), 5=30(LC 5)

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

NOTES-(13)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4. 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit 8) between the bottom chord and any other members.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4, 5.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-32, 2-3=-32, 3-4=-45, 5-7=-20

Max Horz 5=95(LC 14)

Max Uplift3=-66(LC 14), 4=-9(LC 14)

Max Grav 5=198(LC 2), 3=53(LC 26), 4=37(LC 5)

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

NOTES- (10)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

REACTIONS. (lb/size) 5=190/0-3-8 (min. 0-1-8), 3=49/Mechanical, 4=33/Mechanical Max Horz 5=111(LC 14) Max Uplift3=-68(LC 14), 4=-1(LC 14) Max Grav 5=296(LC 2), 3=94(LC 26), 4=67(LC 5)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-5=-255/99

NOTES- (10)

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-9-15 to 2-11-12, Exterior(2) 2-11-12 to 3-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow:

Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1

- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- standard ANSI/TPI 1. 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Max Horz 5=113(LC 14)

Max Uplift3=-77(LC 14), 4=-16(LC 14)

Max Grav 5=214(LC 2), 3=75(LC 26), 4=48(LC 5)

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

NOTES- (10)

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 2-1-5, Interior(1) 2-1-5 to 2-9-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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

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

9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

REACTIONS. (lb/size) 5=158/0-3-8 (min. 0-1-8), 3=5/Mechanical, 4=9/Mechanical Max Horz 5=69(LC 14) Max Uplift5=-8(LC 14), 3=-32(LC 14), 4=-8(LC 14) Max Grav 5=255(LC 2), 3=21(LC 12), 4=30(LC 5)

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

NOTES- (10)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


Max Horz 5=71(LC 14)

Max Uplift3=-41(LC 14), 4=-23(LC 14) Max Grav 5=186(LC 2), 3=24(LC 12), 4=28(LC 12)

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

NOTES- (10)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

lob	Truss	Truss Type	Otv	Plv	STUBTZ HOMES - 23 L		
1005500	Kot		aly a	,			
1620032	KUI	PIGGTBACK BASE	4	1	Job Reference (optio	nal)	
Builders Firstsource, Alberr	narle, NC 28001		ID:WDvc2XqYPc	ks0eFcM	8.200 s Nov 3 2018 Mi JOuu1zNC97-U6kM3v	Tek Industries, Inc. Thu Ap /qBmES3?uAx6zfMyFH	r 25 14:02:19 2019 Page 1 Ili3MZYVzOlnwmbzNA9I
	<mark>-1-3-8 5-1-1</mark> 1-3-8 5-1-1	2 10-0-0 2 4-10-4	<u>14-10-0</u> 4-10-0	21-	10-8 24 0-8 2-	<u>-10-0</u> -11-8	
		4x8 =	4x5 =				Scale: 3/16"=1"
	C C C C C C C C C C C C C C C C C C C	12.00 12 3x6 / 12 4 W4 W4 W4 W4 15 21	18 6 0 0 0 0 0 0 0 0	W8 53 B3	19 20 43 7 11 5x5 = 6x8 3	0 x10 × W11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2
	1.5x4	4x4 =	6x6 12.00 12		0,0 \	∑ 1.5x4	
	<u> 5-1-1</u> 5-1-1	2 10-0-0 10- 2 4-10-4 0-	11-812-11-8 11-8 2-0-0	21-10-8 8-11-0	23-10	<u>0-824-10-</u> 0 -0 0-11-8	
Plate Offsets (X,Y)	[<u>5:0-6-4,0-1-12], [6:0-3-4,0-1-1</u>	2], [7:0-3-8,0-2-0], [10:0-2-8,E0	dge], [12:0-5-8,0-3-0], [1:	3:0-2-12,	0-1-12]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0- Plate Grip DOL 1.1 Lumber DOL 1.1 Rep Stress Incr YES Code IRC2015/TPI201-	CSI. TC 0.67 BC 0.85 WB 0.66 Matrix-MS	DEFL. in Vert(LL) -0.24 Vert(CT) -0.50 Horz(CT) 0.12 Wind(LL) 0.04	(loc) 11-12 11-12 9 11-12	l/defl L/d >734 360 >347 240 n/a n/a >999 240	PLATES MT20 Weight: 191 lb	GRIP 244/190 FT = 20%
LUMBER-			BBACING-				
TOP CHORD 2x4 SF	2 No.2		TOP CHORD	Structura	al wood sheathing d	irectly applied or 5-5-	7 oc purlins, except
WEBS 2x4 SF	2 No.2 2 No.3		BOT CHORD	Rigid ce	iling directly applied	or 10-0-0 oc bracing	b.
			WEBS	1 Row a	t midpt 4-	13, 5-13, 6-12, 7-12	
				MiTek be inst	recommends that S	tabilizers and require	d cross bracing
				Installa	ation guide.		with Otabilizer
REACTIONS. (Ib/size Max H	e) 16=480/0-3-8(min. 0-1-8) lorz 16=250(LC 11)	, 9=505/0-3-8 (min. 0-1-8), 14=	=399/0-3-8 (min. 0-1-8)				
Max U	plift16=-63(LC 14), 9=-41(LC	15))) 14 548(10 0)					
Max G	nav 10=749(LC 2), 9=750(LC 2	2), 14=543(LC 2)					
FORCES. (Ib) - Max.	Comp./Max. Ten All forces	250 (lb) or less except when sh	10WN. 379/173 6-18379/173				
6-19=	=-524/159, 19-20=-660/118, 7-	20=-679/100, 7-8=-435/71, 2-1	6=-687/143, 8-9=-769/90	, 0			
BOT CHORD 15-16	6=-246/281, 15-21=-136/465, 1 2=-80/978_10-11=-101/1514	4-21=-136/465, 13-14=-136/46	65, 12-13=-114/412,				
WEBS 4-13=	-297/175, 5-13=-563/0, 5-12=	0/574, 7-12=-648/237, 7-11=0/	1173, 7-10=-1642/126,				
2-15=	=-10/323, 8-10=-72/532						
NOTES- (12) 1) Unbalanced roof liv 2) Wind: ASCE 7-10; (envelope) gable er 19-7-11 to 24-8-4 z Lumber DOL=1.60 3) ** TCLL: ASCE 7-1 snow=5.9 psf Lumb snow load governs 4) Roof design snow l 5) This truss has beer non-concurrent with 6) Provide adequate of 7) This truss has beer 8) * This truss has beer between the botton 9) Provide modepanice	ve loads have been considered Vult=120mph (3-second gust) nd zone and C-C Exterior(2) - ione; cantilever left exposed; plate grip DOL=1.60 0; Pr=20.0 psf (roof live load: ber DOL=1.15 Plate DOL=1.15 Rain surcharge applied to al load has been reduced to acco in designed for greater of min r in other live loads. drainage to prevent water pond in designed for a 10.0 psf botto en designed for a live load of a in chord and any other membe	I for this design. Vasd=95mph; TCDL=6.0psf; E -3-8 to 2-1-5, Interior(1) 2-1-5; end vertical left exposed;C-C fo Lumber DOL=1.15 Plate DOL=) see load cases; Category II; I exposed surfaces with slopes out for slope. bof live load of 12.0 psf or 1.00 ling. m chord live load nonconcurre 20.0psf on the bottom chord in s, with BCDL = 10.0psf.	CDL=6.0psf; h=25ft; Ca to 10-0-0, Exterior(2) 10- or members and forces 8 1.15); Pg=10.0 psf (grou Exp B; Partially Exp.; Ct= less than 0.500/12 in ac times flat roof load of 7. It with any other live loar all areas where a rectance withstanding 100 lb unlift	tt. II; Exp 0-0 to 14 MWFRS und snow =1.1, Lu= ccordance 7 psf on ds. gle 3-6-0	B; enclosed; MWFF I-10-0, Interior(1) 5 for reactions show); Ps= varies (min. r .76-0-0; Min. flat roo e with IBC 1608.3.4. overhangs tall by 2-0-0 wide w	RS oof f ill fit	
10) This truss is designed and and and and and and and and and an	gned in accordance with the 20	15 International Residential Co	ode sections R502.11.1	and R802	2.10.2 and reference	ed	

11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code. Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	K01	PIGGYBACK BASE	4	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:19 2019 Page 2
		ID:W	Dvc2XqYP	cks0eFcM	JOuu1zNC97-U6kM3vqBmES3?uAx6zfMyFHIIi3MZYVzOInwmbzNA9I

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-5=-32, 5-6=-45, 6-8=-32, 13-16=-20, 12-13=-20, 11-12=-20, 10-11=-20, 9-10=-20

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LE	EIGH LAUREL	
1625532	K01E	GABLE	1	1	Job Reference (option	nal)	
Builders Firstsource, Albema	arle, NC 28001	I	ID:WDvc2XaYPc	ks0eFcM	8.200 s Nov 3 2018 Mi IQuu1zNC97-uhPViwt4	Tek Industries, Inc. Thu A	pr 25 14:02:22 2019 Page 1 w6QmxYP4i?aNwzNA9F
	- 1-3-8 5-1	-12 10-0-0	<u>14-10-0</u> 4-10-0	21	1-10-8 24 7-0-8 2-	- <u>10-0</u> -11-8	in a market in the second s
	1-0-0 0-1	-12 -10-4	+ 10-0	,	2	11-0	
		4x8 =	4x5	=			Scale = 1:65.8
	4x4 // 33 4x4 // 33 4x4 // 10 1	5 12.00 12 3x6 / 12 4 8 5T3 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5T5 8 5 75 8 8 5 75 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	34 6 13 6 13 6 13 6 12 5x8	ST9 W8 B3	435 44 7 7 11 5x5 =	3×6 % 1 1 1.5-0 	
		$\mathsf{XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX$	13			10 9	
	18	17 16 37 15 1	14 6x6 12.00 12		6x6 🖄	N	
	<u> </u>	<u>-12</u> <u>10-0-0</u> <u>10</u> -12 <u>4-10-4</u> <u>0</u>	<u>)-11-812-11-8</u> -11-8 2-0-0	21-10-8 8-11-0	8 23-10	<u>)-824-10-</u> 0 -0 0-11-8	
Plate Offsets (X,Y) [2	2:0-0-12,0-1-8], [5:0-6-4,0-1-1	2], [6:0-3-4,0-1-12], [7:0-2-8,0-1	1-8], [10:0-2-8,Edge], [1	2:0-5-8,0)-3-0], [13:0-2-12,0-1-	-12]	
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.59 BC 0.83 WB 0.57 Matrix-MS	DEFL. in Vert(LL) -0.23 Vert(CT) -0.49 Horz(CT) 0.10 Wind(LL) 0.03	(loc) 11-12 11-12 11-12 9 11-12	l/defl L/d >746 360 >356 240 n/a n/a >999 240	PLATES MT20 Weight: 256 lb	GRIP 244/190 FT = 20%
LUMBER- TOP CHORD 2x4 SP BOT CHORD 2x4 SP WEBS 2x4 SP OTHERS 2x4 SP	No.2 No.2 No.3 No.3		BRACING- TOP CHORD BOT CHORD WEBS	Structur end ver Rigid ce 1 Row a MiTek be insi	ral wood sheathing di ticals, and 2-0-0 oc p eiling directly applied at midpt 5-1 recommends that St talled during truss ere	rectly applied or 6-0 urlins (6-0-0 max.): or 6-0-0 oc bracing. 13, 6-12, 7-12 abilizers and require ection, in accordanc	-0 oc purlins, except 5-6. ed cross bracing e with Stabilizer
REACTIONS. All bea (lb) - Max Ho Max Up Max Gr	arings 10-3-8 except (jt=length orz 18–250(LC 11) olift All uplift 100 lb or less at j av All reactions 250 lb or less	1) 9=0-3-8, 14=0-3-8. oint(s) 18, 9, 16, 14 except 17= s at joint(s) 18, 15, 16 except 9	104(LC 14), 15=-135(=623(LC 2), 17=901(LC	LC 2) 2 2), 14=5	ation guide. 513(LC 2)		
FORCES. (lb) - Max. TOP CHORD 3-4=-1 8-9=-6 BOT CHORD 17-18 WEBS 4-17=- 7-10=-	Comp./Max. Ten All forces 2 6/285, 4-5=-272/164, 6-35=-3 328/64 =-246/273, 12-13=-156/271, 1 -769/145, 4-13=-14/322, 5-13= -1349/76, 2-17=-289/160, 8-10	250 (lb) or less except when sh 19/121, 35-36=-455/80, 7-36=- 1-12=-49/799, 10-11=-54/1247 =-659/0, 5-12=0/518, 7-12=-620 0=-56/436	own. •474/62, 7-8=-350/56, 0/234, 7-11=0/988,				
 NOTES- (15) 1) Unbalanced roof live 2) Wind: ASCE 7-10; V (envelope) gable en 19-7-11 to 24-8-4 zc Lumber DOL=1.60 p 3) Truss designed for Gable End Details a 4) ** TCLL: ASCE 7-10 snow=5.9 psf Lumb snow load governs. 5) Roof design snow lc 6) This truss has been non-concurrent with 7) Provide adequate di 8) All plates are 1 5x4 	e loads have been considered /ult=120mph (3-second gust) d zone and C-C Exterior(2) -1 ne; cantilever left exposed ; e olate grip DOL=1.60 wind loads in the plane of the s applicable, or consult qualif); Pr=20.0 psf (roof live load: I er DOL=1.15 Plate DOL=1.15 Rain surcharge applied to all ad has been reduced to acco designed for greater of min ro other live loads. rainage to prevent water pond MT20 unless otherwise indica	for this design. Vasd=95mph; TCDL=6.0psf; B -3-8 to 2-1-5, Interior(1) 2-1-5 to nd vertical left exposed;C-C fo truss only. For studs exposed ed building designer as per AN .umber DOL=1.15 Plate DOL= > see load cases; Category II; E exposed surfaces with slopes unt for slope. of live load of 12.0 psf or 1.00 ing. ted	CDL=6.0psf; h=25ft; Ca o 10-0-0, Exterior(2) 10 r members and forces a to wind (normal to the ISI/TPI 1. 1.15); Pg=10.0 psf (gro Exp B; Partially Exp.; Ct less than 0.500/12 in a times flat roof load of 7	at. II; Exp -0-0 to 14 & MWFR face), see und snow =1.1, Lu= ccordanc 7 psf on	9 B; enclosed; MWFR 4-10-0, Interior(1) S for reactions shown e Standard Industry v); Ps= varies (min. ro =76-0-0; Min. flat roof se with IBC 1608.3.4. overhangs	IS n; pof	

- 8) All plates are 1.5x4 MT20 unless otherwise indicated.
 9) Gable studs spaced at 2-0-0 oc.
 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 9, 16, 14 except (jt=lb) 17=104, 15=135.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	K01E	GABLE	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:22 2019 Page 2
		ID:WDv	c2XqYPck	s0eFcMJ	IOuu1zNC97-uhPViwt439resLvWn5D3atvHGv6QmxYP4j?aNwzNÄ9F

NOTES- (15)

- 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-5=-32, 5-6=-45, 6-8=-32, 13-18=-20, 12-13=-20, 11-12=-20, 10-11=-20, 9-10=-20



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	K02	PIGGYBACK BASE	1	1	lak Deference (artical)
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 Millek Industries, Inc. Thu Apr 25 14:02:24 2019 Page 2

13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-32, 2-5=-32, 5-6=-45, 6-8=-32, 9-13=-20



Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL	
1625532	L01	Hip Girder	1	n		
Builders Firstsource Albemarle	NC 28001			2	JOb Reterence (optional) 8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:30 2019 Page 2	
		ID:WD	/c2XqYPck	s0eFcMJ	Ouu1zNC97-fEuWNfz5AcrWpaW2FnMxvZEha70heggbwzx?fSzNA97	
 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 97 lb down and 191 lb up at 1-1-0, and 95 lb down and 191 lb up at 5-10-0 on top chord, and 39 lb down and 50 lb up at 1-1-0, and 39 lb down and 50 lb up at 5-8-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others. 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the 						
building designer per	ANSI TPI 1 as referenced b	by the building code.		0 00p0		
building designer per ANST IP11 as referenced by the building code. LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 2-63(F) 3=63(F) 7=6(F) 6=6(F) 9=28(F) 11=28(F) 12=2(F) 13=2(F) Trapezoidal Loads (plf) Vert: 1-152-to-2=-191, 2=-205-to-10=-305, 10=-305-to-3=-205, 3=-191-to-4=-152 2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8-20 Concentrated Loads (lb) Vert: 1=-180-to-2=-220, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-220-to-4=-180 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1=-180-to-2=-220, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-220-to-4=-180 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1=-180-to-2=-220, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-220-to-4=-180 3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5=8-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal						
Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb Vert: 2=63(F) 3 Trapezoidal Loads (plf) Vert: 1=-149-to 5) Dead + Uninhabitable A Uniform Loads (plf) Vert: 5-8=-40 Concentrated Loads (lb Vert: 2=63(F) 3 Trapezoidal Loads (plf) Vert: 1=-140-to	 4) Dead + 0.75 Show (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 7=4(F) 6=4(F) 9=28(F) 11=28(F) 12=2(F) 13=2(F) Trapezoidal Loads (plf) Vert: 1=-149-to-2=-189, 2=-199-to-10=-299, 10=-299-to-3=-199, 3=-189-to-4=-149 5) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 5-8=-40 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Trapezoidal Loads (plf) 					
6) Dead + 0.6 MWFRS W Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=2, 3 Concentrated Loads (plf) Vert: 2=51(F) 3 Trapezoidal Loads (plf) Vert: 1=-134-to 7) Dead + 0.6 MWFRS W Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-19, 1 Concentrated Loads (lb Vert: 2=51(F) 3 Trapezoidal Loads (plf)	Vert: 1=-140-to-2=-180, 2=-180-to-10=-280, 10=-280-to-3=-180, 3=-180-to-4=-140 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=2, 3-4=19, 1-8=13, 4-5=17 Concentrated Loads (lb) Vert: 2=51(F) 3=51(F) 7=49(F) 6=49(F) 9=24(F) 11=24(F) 12=32(F) 13=32(F) Trapezoidal Loads (plf) Vert: 1=-134-to-2=-174, 2=-139-to-10=-239, 10=-239-to-3=-139, 3=-153-to-4=-113 7) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-19, 3-4=-2, 1-8=-17, 4-5=-13 Concentrated Loads (lb)					
Vert: 1=-113-to 8) Dead + 0.6 MWFRS W Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=12, 3 Concentrated Loads (lb Vert: 2=89(F) 3 Trapezoidal Loads (nff)	Trapezoidal Loads (plf) Vert: 1=-113-to-2=-153, 2=-139-to-10=-239, 10=-239-to-3=-139, 3=-174-to-4=-134 3) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=12, 3-4=9, 1-8=23, 4-5=8 Concentrated Loads (lb) Vert: 2=89(F) 3=89(F) 7=49(F) 6=49(F) 9=41(F) 11=41(F) 12=32(F) 13=32(F)					
1 rapezoidal Loads (plf) Vert: 1=-152-to- 9) Dead + 0.6 MWFRS W Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-9, 3- Concentrated Loads (lb Vert: 2=89(F) 3 Trapezoidal Loads (plf) Vert: 1=-131-to- 10) Dead + 0.6 MWFRS V Uniform Loads (plf) Vert: 5-8=-12	-2=-191, 2=-156-to-10=-257 ind (Neg. Internal) Right: Lu -4=-12, 1-8=-8, 4-5=-23)) =89(F) 7=49(F) 6=49(F) 9= -2=-170, 2=-156-to-10=-257 Vind (Pos. Internal) 1st Par	7, 10=-257-to-3=-156, 3=-170-to-4=-131 umber Increase=1.60, Plate Increase=1.60 41(F) 11=41(F) 12=32(F) 13=32(F) 7, 10=-257-to-3=-156, 3=-191-to-4=-152 allel: Lumber Increase=1.60, Plate Increase	=1.60			
Horz: 1-2=-33. Continued on page 3	, 3-4=19, 1-8=11, 4-5=16					

Job	Truss	Truss Type	Qtv	Plv	STUBTZ HOMES - 23 LEIGH LAUBEL
		/	,	,	
1005500	1.04	Life Oferlag		_	
1625532	LUI	Hip Girder	1		
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 3

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 3 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-7QSua?_jxwzMRk5FpUtASmnrJXLwN7wk9chYBvzNA96

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LOAD CASE(S) Standard
    Concentrated Loads (lb)
           Vert: 2=51(F) 3=51(F) 7=49(F) 6=49(F) 9=24(F) 11=24(F) 12=32(F) 13=32(F)
    Trapezoidal Loads (plf)
           Vert: 1=-99-to-2=-139, 2=-139-to-10=-239, 10=-253-to-3=-153, 3=-153-to-4=-113
11) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-12
           Horz: 1-2=-19, 3-4=33, 1-8=-16, 4-5=-11
    Concentrated Loads (lb)
           Vert: 2=51(F) 3=51(F) 7=49(F) 6=49(F) 9=24(F) 11=24(F) 12=32(F) 13=32(F)
    Trapezoidal Loads (plf)
           Vert: 1=-113-to-2=-153, 2=-153-to-10=-253, 10=-239-to-3=-139, 3=-139-to-4=-99
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-12
           Horz: 1-2=-23. 3-4=14. 1-8=6. 4-5=12
    Concentrated Loads (lb)
           Vert: 2=51(F) 3=53(F) 7=49(F) 6=49(F) 9=24(F) 11=24(F) 12=32(F) 13=32(F)
    Trapezoidal Loads (plf)
           Vert: 1=-109-to-2=-149, 2=-149-to-10=-249, 10=-258-to-3=-157, 3=-157-to-4=-118
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-12
           Horz: 1-2=-14, 3-4=23, 1-8=-12, 4-5=-6
    Concentrated Loads (lb)
           Vert: 2=53(F) 3=51(F) 7=49(F) 6=49(F) 9=24(F) 11=24(F) 12=32(F) 13=32(F)
    Trapezoidal Loads (plf)
           Vert: 1=-118-to-2=-157, 2=-157-to-10=-258, 10=-249-to-3=-149, 3=-149-to-4=-109
14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-20
           Horz: 1-2=-23, 3-4=9, 1-8=21, 4-5=7
    Concentrated Loads (lb)
           Vert: 2=89(F) 3=89(F) 7=49(F) 6=49(F) 9=41(F) 11=41(F) 12=32(F) 13=32(F)
    Trapezoidal Loads (plf)
           Vert: 1=-117-to-2=-156, 2=-156-to-10=-257, 10=-271-to-3=-170, 3=-170-to-4=-131
15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-20
           Horz: 1-2=-9, 3-4=23, 1-8=-7, 4-5=-21
    Concentrated Loads (lb)
           Vert: 2=89(F) 3=89(F) 7=49(F) 6=49(F) 9=41(F) 11=41(F) 12=32(F) 13=32(F)
    Trapezoidal Loads (plf)
           Vert: 1=-131-to-2=-170, 2=-170-to-10=-271, 10=-257-to-3=-156, 3=-156-to-4=-117
16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
    Uniform Loads (plf)
           Vert: 5-8=-20
    Concentrated Loads (lb)
           Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F)
    Trapezoidal Loads (plf)
           Vert: 1=-140-to-2=-180, 2=-180-to-10=-280, 10=-280-to-3=-180, 3=-180-to-4=-140
17) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-20
           Horz: 1-2=9, 3-4=7, 1-8=17, 4-5=6
    Concentrated Loads (lb)
           Vert: 2=123(F) 3=123(F) 7=41(F) 6=41(F) 9=60(F) 11=60(F) 12=25(F) 13=25(F)
    Trapezoidal Loads (plf)
           Vert: 1=-158-to-2=-197, 2=-181-to-10=-281, 10=-281-to-3=-181, 3=-182-to-4=-142
18) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-20
           Horz: 1-2=-7, 3-4=-9, 1-8=-6, 4-5=-17
    Concentrated Loads (lb)
           Vert: 2=123(F) 3=123(F) 7=41(F) 6=41(F) 9=60(F) 11=60(F) 12=25(F) 13=25(F)
    Trapezoidal Loads (plf)
           Vert: 1=-142-to-2=-182, 2=-181-to-10=-281, 10=-281-to-3=-181, 3=-197-to-4=-158
19) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
           Vert: 5-8=-20
           Horz: 1-2=-18, 3-4=7, 1-8=16, 4-5=5
    Concentrated Loads (lb)
           Vert: 2=123(F) 3=123(F) 7=41(F) 6=41(F) 9=60(F) 11=60(F) 12=25(F) 13=25(F)
    Trapezoidal Loads (plf)
           Vert: 1=-131-to-2=-171, 2=-181-to-10=-281, 10=-292-to-3=-192, 3=-182-to-4=-142
20) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
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Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L01	Hip Girder	1	2	Job Beference (optional)

Builders Firstsource, Albemarle, NC 28001

LOAD CASE(S) Standard

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 4 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-7QSua?_jxwzMRk5FpUtASmnrJXLwN7wk9chYBvzNA96

Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=18, 1-8=-5, 4-5=-16 Concentrated Loads (lb) Vert: 2=123(F) 3=123(F) 7=41(F) 6=41(F) 9=60(F) 11=60(F) 12=25(F) 13=25(F) Trapezoidal Loads (plf) Vert: 1=-142-to-2=-182, 2=-192-to-10=-292, 10=-281-to-3=-181, 3=-171-to-4=-131 21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=9, 3-4=7, 1-8=17, 4-5=6 Concentrated Loads (lb) Vert: 2=171(F) 3=171(F) 7=50(F) 6=50(F) 9=77(F) 11=77(F) 12=29(F) 13=29(F) Trapezoidal Loads (plf) Vert: 1=-179-to-2=-219, 2=-192-to-10=-292, 10=-292-to-3=-192, 3=-203-to-4=-163 22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=-9, 1-8=-6, 4-5=-17 Concentrated Loads (lb) Vert: 2=171(F) 3=171(F) 7=50(F) 6=50(F) 9=77(F) 11=77(F) 12=29(F) 13=29(F) Trapezoidal Loads (plf) Vert: 1=-163-to-2=-203, 2=-192-to-10=-292, 10=-292-to-3=-192, 3=-219-to-4=-179 23) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-18, 3-4=7, 1-8=16, 4-5=5 Concentrated Loads (lb) Vert: 2=171(F) 3=171(F) 7=50(F) 6=50(F) 9=77(F) 11=77(F) 12=29(F) 13=29(F) Trapezoidal Loads (plf) Vert: 1=-152-to-2=-192, 2=-192-to-10=-292, 10=-303-to-3=-203, 3=-203-to-4=-163 24) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=18, 1-8=-5, 4-5=-16 Concentrated Loads (lb) Vert: 2=171(F) 3=171(F) 7=50(F) 6=50(F) 9=77(F) 11=77(F) 12=29(F) 13=29(F) Trapezoidal Loads (plf) Vert: 1=-163-to-2=-203, 2=-203-to-10=-303, 10=-292-to-3=-192, 3=-192-to-4=-152 25) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Vert: 1=-180-to-2=-220, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-180-to-4=-140 26) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Vert: 1=-140-to-2=-180, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-220-to-4=-180 27) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Vert: 1=-170-to-2=-210, 2=-210-to-10=-310, 10=-310-to-3=-210, 3=-180-to-4=-140 28) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Vert: 1=-140-to-2=-180, 2=-210-to-10=-310, 10=-310-to-3=-210, 3=-210-to-4=-170 29) Reversal: Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=120(F) 3=120(F) 9=59(F) 11=59(F) Trapezoidal Loads (plf) Vert: 1=-152-to-2=-191, 2=-205-to-10=-305, 10=-305-to-3=-205, 3=-191-to-4=-152 30) Reversal: Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20

Continued on page 5

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L01	Hip Girder	1	2	lab Rafaranaa (antianal)
Builders Firstsource, Albemarle,	NC 28001			_	8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 5

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 5 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-7QSua?_jxwzMRk5FpUtASmnrJXLwN7wk9chYBvzNA96

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 2=191(F) 3=191(F) 7=23(F) 6=23(F) 9=85(F) 11=85(F) 12=9(F) 13=9(F) Trapezoidal Loads (plf) Vert: 1=-180-to-2=-220, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-220-to-4=-180 31) Reversal: Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=159(F) 3=159(F) 7=17(F) 6=17(F) 9=71(F) 11=71(F) 12=7(F) 13=7(F) Trapezoidal Loads (plf) Vert: 1=-170-to-2=-210, 2=-210-to-10=-310, 10=-310-to-3=-210, 3=-210-to-4=-170 32) Reversal: Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=106(F) 3=106(F) 9=51(F) 11=51(F) Trapezoidal Loads (plf) Vert: 1=-149-to-2=-189, 2=-199-to-10=-299, 10=-299-to-3=-199, 3=-189-to-4=-149 33) Reversal: Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=63(F) 3=63(F) 9=28(F) 11=28(F) Trapezoidal Loads (plf) Vert: 1=-140-to-2=-180, 2=-180-to-10=-280, 10=-280-to-3=-180, 3=-180-to-4=-140 34) Reversal: 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=191(F) 3=155(F) 7=23(F) 6=23(F) 9=85(F) 11=85(F) 12=9(F) 13=9(F) Trapezoidal Loads (plf) Vert: 1=-180-to-2=-220, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-180-to-4=-140 35) Reversal: 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=155(F) 3=191(F) 7=23(F) 6=23(F) 9=85(F) 11=85(F) 12=9(F) 13=9(F) Trapezoidal Loads (plf) Vert: 1=-140-to-2=-180, 2=-220-to-10=-320, 10=-320-to-3=-220, 3=-220-to-4=-180 36) Reversal: 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=159(F) 3=132(F) 7=17(F) 6=17(F) 9=71(F) 11=71(F) 12=7(F) 13=7(F) Trapezoidal Loads (plf) Vert: 1=-170-to-2=-210, 2=-210-to-10=-310, 10=-310-to-3=-210, 3=-180-to-4=-140 37) Reversal: 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 5-8=-20 Concentrated Loads (lb) Vert: 2=132(F) 3=159(F) 7=17(F) 6=17(F) 9=71(F) 11=71(F) 12=7(F) 13=7(F) Trapezoidal Loads (plf) Vert: 1=-140-to-2=-180, 2=-210-to-10=-310, 10=-310-to-3=-210, 3=-210-to-4=-170 38) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=2, 3-4=19, 1-8=13, 4-5=17 Concentrated Loads (lb) Vert: 2=-63(F) 3=-82(F) 7=-39(F) 6=-39(F) 9=-47(F) 11=-47(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-134-to-2=-174, 2=-139-to-10=-239, 10=-239-to-3=-139, 3=-153-to-4=-113 39) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-19, 3-4=-2, 1-8=-17, 4-5=-13 Concentrated Loads (lb) Vert: 2=-83(F) 3=-63(F) 7=-39(F) 6=-39(F) 9=-47(F) 11=-47(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-113-to-2=-153, 2=-139-to-10=-239, 10=-239-to-3=-139, 3=-174-to-4=-134 40) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=12, 3-4=9, 1-8=23, 4-5=8 Concentrated Loads (lb) Vert: 2=-25(F) 3=-44(F) 7=-39(F) 6=-39(F) 9=-30(F) 11=-30(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-152-to-2=-191, 2=-156-to-10=-257, 10=-257-to-3=-156, 3=-170-to-4=-131

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L01	Hip Girder	1	2	Job Reference (optional)
Builders Firstsource, Albemarle	, NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 6

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 6 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-7QSua?_jxwzMRk5FpUtASmnrJXLwN7wk9chYBvzNA96

LOAD CASE(S) Standard 41) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-9, 3-4=-12, 1-8=-8, 4-5=-23 Concentrated Loads (lb) Vert: 2=-45(F) 3=-25(F) 7=-39(F) 6=-39(F) 9=-30(F) 11=-30(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-131-to-2=-170, 2=-156-to-10=-257, 10=-257-to-3=-156, 3=-191-to-4=-152 42) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-33, 3-4=19, 1-8=11, 4-5=16 Concentrated Loads (lb) Vert: 2=-97(F) 3=-64(F) 7=-39(F) 6=-39(F) 9=-42(F) 11=-38(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-99-to-2=-139, 2=-139-to-10=-239, 10=-253-to-3=-153, 3=-153-to-4=-113 43) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-19, 3-4=33, 1-8=-16, 4-5=-11 Concentrated Loads (lb) Vert: 2=-65(F) 3=-95(F) 7=-39(F) 6=-39(F) 9=-38(F) 11=-42(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-113-to-2=-153, 2=-153-to-10=-253, 10=-239-to-3=-139, 3=-139-to-4=-99 44) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-23, 3-4=14, 1-8=6, 4-5=12 Concentrated Loads (lb) Vert: 2=-74(F) 3=-55(F) 7=-39(F) 6=-39(F) 9=-34(F) 11=-31(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-109-to-2=-149, 2=-149-to-10=-249, 10=-258-to-3=-157, 3=-157-to-4=-118 45) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-12 Horz: 1-2=-14, 3-4=23, 1-8=-12, 4-5=-6 Concentrated Loads (lb) Vert: 2=-55(F) 3=-73(F) 7=-39(F) 6=-39(F) 9=-31(F) 11=-34(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-118-to-2=-157, 2=-157-to-10=-258, 10=-249-to-3=-149, 3=-149-to-4=-109 46) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-23, 3-4=9, 1-8=21, 4-5=7 Concentrated Loads (lb) Vert: 2=-59(F) 3=-26(F) 7=-39(F) 6=-39(F) 9=-25(F) 11=-20(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-117-to-2=-156, 2=-156-to-10=-257, 10=-271-to-3=-170, 3=-170-to-4=-131 47) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-9, 3-4=23, 1-8=-7, 4-5=-21 Concentrated Loads (lb) Vert: 2=-27(F) 3=-57(F) 7=-39(F) 6=-39(F) 9=-20(F) 11=-25(F) 12=-24(F) 13=-24(F) Trapezoidal Loads (plf) Vert: 1=-131-to-2=-170, 2=-170-to-10=-271, 10=-257-to-3=-156, 3=-156-to-4=-117 48) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=9, 3-4=7, 1-8=17, 4-5=6 Concentrated Loads (lb) Vert: 2=13(F) 3=-2(F) 7=-25(F) 6=-25(F) 9=6(F) 11=6(F) 12=-16(F) 13=-16(F) Trapezoidal Loads (plf) Vert: 1=-158-to-2=-197, 2=-181-to-10=-281, 10=-281-to-3=-181, 3=-182-to-4=-142 49) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=-9, 1-8=-6, 4-5=-17 Concentrated Loads (lb) Vert: 2=-2(F) 3=12(F) 7=-25(F) 6=-25(F) 9=6(F) 11=6(F) 12=-16(F) 13=-16(F) Trapezoidal Loads (plf) Vert: 1=-142-to-2=-182, 2=-181-to-10=-281, 10=-281-to-3=-181, 3=-197-to-4=-158 50) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-18, 3-4=7, 1-8=16, 4-5=5 Concentrated Loads (lb) Vert: 2=-13(F) 3=12(F) 7=-25(F) 6=-25(F) 9=10(F) 11=13(F) 12=-16(F) 13=-16(F)

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L01	Hip Girder	1	2	lob Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 7

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:31 2019 Page 7 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-7QSua?_jxwzMRk5FpUtASmnrJXLwN7wk9chYBvzNA96

LOAD CASE(S) Standard Trapezoidal Loads (plf) Vert: 1=-131-to-2=-171, 2=-181-to-10=-281, 10=-292-to-3=-192, 3=-182-to-4=-142 51) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=18, 1-8=-5, 4-5=-16 Concentrated Loads (lb) Vert: 2=11(F) 3=-11(F) 7=-25(F) 6=-25(F) 9=13(F) 11=10(F) 12=-16(F) 13=-16(F) Trapezoidal Loads (plf) Vert: 1=-142-to-2=-182, 2=-192-to-10=-292, 10=-281-to-3=-181, 3=-171-to-4=-131 52) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60. Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=9, 3-4=7, 1-8=17, 4-5=6 Concentrated Loads (lb) Vert: 2=-5(F) 3=-19(F) 7=-16(F) 6=-16(F) 9=-16(F) 11=-16(F) 12=-12(F) 13=-12(F) Trapezoidal Loads (plf) Vert: 1=-179-to-2=-219, 2=-192-to-10=-292, 10=-292-to-3=-192, 3=-203-to-4=-163 53) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=-9, 1-8=-6, 4-5=-17 Concentrated Loads (lb) Vert: 2=-20(F) 3=-5(F) 7=-16(F) 6=-16(F) 9=-16(F) 11=-16(F) 12=-12(F) 13=-12(F) Trapezoidal Loads (plf) Vert: 1=-163-to-2=-203, 2=-192-to-10=-292, 10=-292-to-3=-192, 3=-219-to-4=-179 54) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-18, 3-4=7, 1-8=16, 4-5=5 Concentrated Loads (lb) Vert: 2=-30(F) 3=-6(F) 7=-16(F) 6=-16(F) 9=-12(F) 11=-9(F) 12=-12(F) 13=-12(F) Trapezoidal Loads (plf) Vert: 1=-152-to-2=-192, 2=-192-to-10=-292, 10=-303-to-3=-203, 3=-203-to-4=-163 55) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 5-8=-20 Horz: 1-2=-7, 3-4=18, 1-8=-5, 4-5=-16 Concentrated Loads (lb) Vert: 2=-6(F) 3=-29(F) 7=-16(F) 6=-16(F) 9=-9(F) 11=-12(F) 12=-12(F) 13=-12(F) Trapezoidal Loads (plf)

Vert: 1=-163-to-2=-203, 2=-203-to-10=-303, 10=-292-to-3=-192, 3=-192-to-4=-152



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L02	HIP GIRDER	1	2	
				-	Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:37 2019 Page 2

Builders Firstsource, Albemarle, NC 28001 8:200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:37 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-yapAr22UXmkW9YOAI_ah11nByMNnitdXY8sOYzNA90 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (Ib) Vert: 9=4(F) 8=1(F) 7=4(F) 13=1(F) 14=1(F) Trapezoidal Loads (plf) Vert: 1=-312-to-2=-368, 2=-381-to-3=-525, 3=-525-to-4=-381, 4=-368-to-5=-312 2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=12(F) 8=5(F) 7=12(F) 13=5(F) 14=5(F) Trapezoidal Loads (plf) Vert: 1=-340-to-2=-396, 2=-396-to-3=-540, 3=-540-to-4=-396, 4=-396-to-5=-340 Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=9(F) 8=4(F) 7=9(F) 13=4(F) 14=4(F) Trapezoidal Loads (plf) Vert: 1=-330-to-2=-386, 2=-386-to-3=-530, 3=-530-to-4=-386, 4=-386-to-5=-330 4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=3(F) 8=1(F) 7=3(F) 13=1(F) 14=1(F) Trapezoidal Loads (plf) Vert: 1=-309-to-2=-365, 2=-375-to-3=-519, 3=-519-to-4=-375, 4=-365-to-5=-309 5) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 6-10=-40 Concentrated Loads (lb) Vert: 2=-2(F) 4=-2(F) 3=-1(F) 11=-1(F) 12=-1(F) Trapezoidal Loads (plf) Vert: 1=-300-to-2=-356, 2=-356-to-3=-500, 3=-500-to-4=-356, 4=-356-to-5=-300 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=2, 4-5=19, 1-10=13, 5-6=17 Concentrated Loads (lb) Vert: 2=37(F) 4=18(F) 9=45(F) 8=29(F) 3=9(F) 7=45(F) 11=9(F) 12=9(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-294-to-2=-350, 2=-315-to-3=-459, 3=-459-to-4=-315, 4=-329-to-5=-273 7) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-19, 4-5=-2, 1-10=-17, 5-6=-13 Concentrated Loads (lb) Vert: 2=18(F) 4=37(F) 9=45(F) 8=29(F) 3=9(F) 7=45(F) 11=9(F) 12=9(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-273-to-2=-329, 2=-315-to-3=-459, 3=-459-to-4=-315, 4=-350-to-5=-294 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=12, 4-5=9, 1-10=23, 5-6=8 Concentrated Loads (lb) Vert: 2=59(F) 4=40(F) 9=45(F) 8=29(F) 3=19(F) 7=45(F) 11=19(F) 12=19(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-312-to-2=-368, 2=-332-to-3=-477, 3=-477-to-4=-332, 4=-347-to-5=-291 9) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-9, 4-5=-12, 1-10=-8, 5-6=-23 Concentrated Loads (lb) Vert: 2=40(F) 4=59(F) 9=45(F) 8=29(F) 3=19(F) 7=45(F) 11=19(F) 12=19(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-291-to-2=-347, 2=-332-to-3=-477, 3=-477-to-4=-332, 4=-368-to-5=-312 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-33, 4-5=19, 1-10=11, 5-6=16 Concentrated Loads (lb) Vert: 2=12(F) 4=31(F) 9=45(F) 8=29(F) 3=17(F) 7=45(F) 11=9(F) 12=24(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-259-to-2=-315, 2=-315-to-3=-459, 3=-473-to-4=-329, 4=-329-to-5=-273

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L02	HIP GIRDER	1	2	. Job Reference (optional)
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8.200 s Nov 3 2018 MITek Industries, Inc. Thu Apr 25 14:02:37 2019 Page 3 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-yapAr22UXmkW9fYOAI_ah11nRyMNnltdXY8sOYzNA90

LOAD CASE(S) Standard 11) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-19, 4-5=33, 1-10=-16, 5-6=-11 Concentrated Loads (lb) Vert: 2=31(F) 4=12(F) 9=45(F) 8=29(F) 3=17(F) 7=45(F) 11=24(F) 12=9(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-273-to-2=-329, 2=-329-to-3=-473, 3=-459-to-4=-315, 4=-315-to-5=-259 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60. Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-23, 4-5=14, 1-10=6, 5-6=12 Concentrated Loads (lb) Vert: 2=22(F) 4=42(F) 9=45(F) 8=29(F) 3=24(F) 7=45(F) 11=19(F) 12=28(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-269-to-2=-325, 2=-325-to-3=-469, 3=-478-to-4=-333, 4=-333-to-5=-278 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-14, 4-5=23, 1-10=-12, 5-6=-6 Concentrated Loads (lb) Vert: 2=41(F) 4=22(F) 9=45(F) 8=29(F) 3=24(F) 7=45(F) 11=28(F) 12=19(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-278-to-2=-333, 2=-333-to-3=-478, 3=-469-to-4=-325, 4=-325-to-5=-269 14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-23, 4-5=9, 1-10=21, 5-6=7 Concentrated Loads (lb) Vert: 2=34(F) 4=54(F) 9=45(F) 8=29(F) 3=26(F) 7=45(F) 11=19(F) 12=33(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-277-to-2=-332, 2=-332-to-3=-477, 3=-491-to-4=-347, 4=-347-to-5=-291 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-9, 4-5=23, 1-10=-7, 5-6=-21 Concentrated Loads (lb) Vert: 2=54(F) 4=34(F) 9=45(F) 8=29(F) 3=26(F) 7=45(F) 11=33(F) 12=19(F) 13=29(F) 14=29(F) Trapezoidal Loads (plf) Vert: 1=-291-to-2=-347, 2=-347-to-3=-491, 3=-477-to-4=-332, 4=-332-to-5=-277 16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90 Uniform Loads (plf) Vert: 6-10=-20 Trapezoidal Loads (plf) Vert: 1=-300-to-2=-356, 2=-356-to-3=-500, 3=-500-to-4=-356, 4=-356-to-5=-300 17) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=9, 4-5=7, 1-10=17, 5-6=6 Concentrated Loads (lb) Vert: 2=45(F) 4=30(F) 9=35(F) 8=23(F) 3=14(F) 7=35(F) 11=14(F) 12=14(F) 13=23(F) 14=23(F) Trapezoidal Loads (plf) Vert: 1=-318-to-2=-374, 2=-357-to-3=-501, 3=-501-to-4=-357, 4=-358-to-5=-302 18) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-7. 4-5=-9. 1-10=-6. 5-6=-17 Concentrated Loads (lb) Vert: 2=30(F) 4=44(F) 9=35(F) 8=23(F) 3=14(F) 7=35(F) 11=14(F) 12=14(F) 13=23(F) 14=23(F) Trapezoidal Loads (plf) Vert: 1=-302-to-2=-358, 2=-357-to-3=-501, 3=-501-to-4=-357, 4=-374-to-5=-318 19) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-18, 4-5=7, 1-10=16, 5-6=5 Concentrated Loads (lb) Vert: 2=26(F) 4=41(F) 9=35(F) 8=23(F) 3=19(F) 7=35(F) 11=14(F) 12=25(F) 13=23(F) 14=23(F) Trapezoidal Loads (plf) Vert: 1=-291-to-2=-347, 2=-357-to-3=-501, 3=-512-to-4=-368, 4=-358-to-5=-302 20) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-7, 4-5=18, 1-10=-5, 5-6=-16 Concentrated Loads (lb) Vert: 2=40(F) 4=26(F) 9=35(F) 8=23(F) 3=19(F) 7=35(F) 11=25(F) 12=14(F) 13=23(F) 14=23(F) Trapezoidal Loads (plf) Vert: 1=-302-to-2=-358, 2=-368-to-3=-512, 3=-501-to-4=-357, 4=-347-to-5=-291

Job	Truss	Truss Type	Qty	Plv	STURTZ HOMES - 23 LEIGH LAUREL
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1		
1625532	1.02	HIP GIRDER	1	-	
1023332	102		1	2	lab Reference (antional)
				_	Job Relefence (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:37 2019 Page 4

ID:WDvc2XqYPcks0eFcMJOuu1zNC97-yapAr22UXmkW9fYOAI ah11nRyMNnltdXY8sOYzNA90

LOAD CASE(S) Standard 21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60. Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=9, 4-5=7, 1-10=17, 5-6=6 Concentrated Loads (lb) Vert: 2=45(F) 4=30(F) 9=43(F) 8=25(F) 3=14(F) 7=43(F) 11=14(F) 12=14(F) 13=25(F) 14=25(F) Trapezoidal Loads (plf) Vert: 1=-339-to-2=-395, 2=-368-to-3=-512, 3=-512-to-4=-368, 4=-379-to-5=-323 22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-7, 4-5=-9, 1-10=-6, 5-6=-17 Concentrated Loads (lb) Vert: 2=30(F) 4=44(F) 9=43(F) 8=25(F) 3=14(F) 7=43(F) 11=14(F) 12=14(F) 13=25(F) 14=25(F) Trapezoidal Loads (plf) Vert: 1=-323-to-2=-379, 2=-368-to-3=-512, 3=-512-to-4=-368, 4=-395-to-5=-339 23) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-18, 4-5=7, 1-10=16, 5-6=5 Concentrated Loads (lb) Vert: 2=26(F) 4=41(F) 9=43(F) 8=25(F) 3=19(F) 7=43(F) 11=14(F) 12=25(F) 13=25(F) 14=25(F) Trapezoidal Loads (plf) Vert: 1=-312-to-2=-368. 2=-368-to-3=-512. 3=-523-to-4=-379. 4=-379-to-5=-323 24) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-7, 4-5=18, 1-10=-5, 5-6=-16 Concentrated Loads (lb) Vert: 2=40(F) 4=26(F) 9=43(F) 8=25(F) 3=19(F) 7=43(F) 11=25(F) 12=14(F) 13=25(F) 14=25(F) Trapezoidal Loads (plf) Vert: 1=-323-to-2=-379, 2=-379-to-3=-523, 3=-512-to-4=-368, 4=-368-to-5=-312 25) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=12(F) 8=5(F) 7=12(F) 13=5(F) 14=5(F) Trapezoidal Loads (plf) Vert: 1=-340-to-2=-396, 2=-396-to-3=-540, 3=-540-to-4=-396, 4=-356-to-5=-300 26) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=12(F) 8=5(F) 7=12(F) 13=5(F) 14=5(F) Trapezoidal Loads (plf) Vert: 1=-300-to-2=-356, 2=-396-to-3=-540, 3=-540-to-4=-396, 4=-396-to-5=-340 27) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=9(F) 8=4(F) 7=9(F) 13=4(F) 14=4(F) Trapezoidal Loads (plf) Vert: 1=-330-to-2=-386, 2=-386-to-3=-530, 3=-530-to-4=-386, 4=-356-to-5=-300 28) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 6-10=-20 Concentrated Loads (lb) Vert: 9=9(F) 8=4(F) 7=9(F) 13=4(F) 14=4(F) Trapezoidal Loads (plf) Vert: 1=-300-to-2=-356, 2=-386-to-3=-530, 3=-530-to-4=-386, 4=-386-to-5=-330 29) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=2, 4-5=19, 1-10=13, 5-6=17 Concentrated Loads (lb) Vert: 2=-99(F) 4=-123(F) 9=-31(F) 8=-19(F) 3=-63(F) 7=-31(F) 11=-63(F) 12=-63(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-294-to-2=-350, 2=-315-to-3=-459, 3=-459-to-4=-315, 4=-329-to-5=-273 30) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-19, 4-5=-2, 1-10=-17, 5-6=-13 Concentrated Loads (lb) Vert: 2=-123(F) 4=-100(F) 9=-31(F) 8=-19(F) 3=-63(F) 7=-31(F) 11=-63(F) 12=-63(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-273-to-2=-329, 2=-315-to-3=-459, 3=-459-to-4=-315, 4=-350-to-5=-294 31) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L02	HIP GIRDER	1	2	Job Reference (optional)

Builders Firstsource, Albemarle, NC 28001

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=12, 4-5=9, 1-10=23, 5-6=8 Concentrated Loads (lb) Vert: 2=-77(F) 4=-100(F) 9=-31(F) 8=-19(F) 3=-54(F) 7=-31(F) 11=-54(F) 12=-54(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-312-to-2=-368, 2=-332-to-3=-477, 3=-477-to-4=-332, 4=-347-to-5=-291 32) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-9, 4-5=-12, 1-10=-8, 5-6=-23 Concentrated Loads (lb) Vert: 2=-101(F) 4=-77(F) 9=-31(F) 8=-19(F) 3=-54(F) 7=-31(F) 11=-54(F) 12=-54(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-291-to-2=-347, 2=-332-to-3=-477, 3=-477-to-4=-332, 4=-368-to-5=-312 33) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-33, 4-5=19, 1-10=11, 5-6=16 Concentrated Loads (lb) Vert: 2=-139(F) 4=-105(F) 9=-31(F) 8=-19(F) 3=-56(F) 7=-31(F) 11=-63(F) 12=-49(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-259-to-2=-315, 2=-315-to-3=-459, 3=-473-to-4=-329, 4=-329-to-5=-273 34) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-19, 4-5=33, 1-10=-16, 5-6=-11 Concentrated Loads (lb) Vert: 2=-105(F) 4=-139(F) 9=-31(F) 8=-19(F) 3=-56(F) 7=-31(F) 11=-49(F) 12=-63(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-273-to-2=-329, 2=-329-to-3=-473, 3=-459-to-4=-315, 4=-315-to-5=-259 35) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-23, 4-5=14, 1-10=6, 5-6=12 Concentrated Loads (lb) Vert: 2=-115(F) 4=-95(F) 9=-31(F) 8=-19(F) 3=-49(F) 7=-31(F) 11=-53(F) 12=-45(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-269-to-2=-325, 2=-325-to-3=-469, 3=-478-to-4=-333, 4=-333-to-5=-278 36) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-12 Horz: 1-2=-14, 4-5=23, 1-10=-12, 5-6=-6 Concentrated Loads (lb) Vert: 2=-95(F) 4=-115(F) 9=-31(F) 8=-19(F) 3=-49(F) 7=-31(F) 11=-45(F) 12=-53(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-278-to-2=-333. 2=-333-to-3=-478. 3=-469-to-4=-325. 4=-325-to-5=-269 37) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-23, 4-5=9, 1-10=21, 5-6=7 Concentrated Loads (lb) Vert: 2=-117(F) 4=-82(F) 9=-31(F) 8=-19(F) 3=-47(F) 7=-31(F) 11=-54(F) 12=-40(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-277-to-2=-332, 2=-332-to-3=-477, 3=-491-to-4=-347, 4=-347-to-5=-291 38) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-9, 4-5=23, 1-10=-7, 5-6=-21 Concentrated Loads (lb) Vert: 2=-82(F) 4=-116(F) 9=-31(F) 8=-19(F) 3=-47(F) 7=-31(F) 11=-40(F) 12=-54(F) 13=-19(F) 14=-19(F) Trapezoidal Loads (plf) Vert: 1=-291-to-2=-347, 2=-347-to-3=-491, 3=-477-to-4=-332, 4=-332-to-5=-277 39) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=9, 4-5=7, 1-10=17, 5-6=6 Concentrated Loads (lb) Vert: 2=-58(F) 4=-75(F) 9=-20(F) 8=-13(F) 3=-41(F) 7=-20(F) 11=-41(F) 12=-41(F) 13=-13(F) 14=-13(F) Trapezoidal Loads (plf) Vert: 1=-318-to-2=-374, 2=-357-to-3=-501, 3=-501-to-4=-357, 4=-358-to-5=-302 40) Reversal: Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 6-10=-20 Horz: 1-2=-7, 4-5=-9, 1-10=-6, 5-6=-17 Concentrated Loads (lb) Vert: 2=-75(F) 4=-58(F) 9=-20(F) 8=-13(F) 3=-41(F) 7=-20(F) 11=-41(F) 12=-41(F) 13=-13(F) 14=-13(F)

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	L02	HIP GIRDER	1	2	Job Reference (optional)

Builders Firstsource, Albemarle, NC 28001

Job Reference (optional)
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ID:WDvc2XqYPcks0eFcMJOuu1zNC97-yapAr22UXmkW9fYOAL_ah11nRyMNnltdXY8sOYzNA90

LOAD CASE(S) Standard
Veri: 1=-302-10-2=-338, 2=-357-10-3=-501, 3=-501-10-4=-357, 4=-374-10-5=-318
41) Reversal: Dead + 0.75 Snow (Dat.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber increase=1.60, Plate increase=1.60
$\begin{array}{c} \square 12. 1-2=-10, +3=7, 1-10=10, 3=0=3 \\ \square 12. 1-2=-10, -3=7, 1-10=10, -3=7, 1-10=10, 3=0=3 \\ \square 12. 1-2=-10, -3=7, 1-10=10, -3=7, 1-10=10, -3=7, 1-10=10, -3=7, 1-10=10, -3=7, 1-10=10, -3=7, 1-10=10, -3=7, 1-10, -3=7, 1-10=10$
Concentrated Loads (iD) Violt 2-,88(E) 4-,61(E) 9-,20(E) 8-,13(E) 3-,35(E) 7-,20(E) 11-,41(E) 12-,30(E) 13-,13(E) 14-,13(E)
Transzoldal (a de (nf))
Vert: 1291:to-2347 2357:to-3501 3512:to-4368 4358:to-5302
42) Reversal: Dead + 0.75 Snow (ha) + 0.75(0.6 MWFRS Wind (her, int) 2nd Parallel): Lumber Increase - 1.60. Plate Increase - 1.60
Inform Loads (olf)
Vert 6-11=-20
Horz: 1-2=-7. 4-5=18. 1-10=-5. 5-6=-16
Concentrated Loads (lb)
Vert: 2=-62(F) 4=-87(F) 9=-20(F) 8=-13(F) 3=-35(F) 7=-20(F) 11=-30(F) 12=-41(F) 13=-13(F) 14=-13(F)
Trapezoidal Loads (olf)
Vert: 1=-302-to-2=-358, 2=-368-to-3=-512, 3=-501-to-4=-357, 4=-347-to-5=-291
43) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-Î0=20
Horz: 1-2=9, 4-5=7, 1-10=17, 5-6=6
Concentrated Loads (lb)
Vert: 2=-58(F) 4=-75(F) 9=-14(F) 8=-10(F) 3=-41(F) 7=-14(F) 11=-41(F) 12=-41(F) 13=-10(F) 14=-10(F)
Trapezoidal Loads (plf)
Vert: 1=-339-to-2=-395, 2=-368-to-3=-512, 3=-512-to-4=-368, 4=-379-to-5=-323
44) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-10=-20
Horz: 1-2=-7, 4-5=-9, 1-10=-6, 5-6=-17
Concentrated Loads (lb)
Vert: 2=-75(F) 4=-58(F) 9=-14(F) 8=-10(F) 3=-41(F) 7=-14(F) 11=-41(F) 12=-41(F) 13=-10(F) 14=-10(F)
Vert: 1=-323-10-2=-379, 2=-308-10-3=-312, 3=-312-10-4=-308, 4=-393-10-3=-339
45) Neversal, Dedu + 0.75 Noti Live (Dat.) + 0.75(0.0 MWFRS Wind (Neg. Int) 1st Faranet). Lumber increase=1.00, Flate increase=1.00
Concentrated cads (h)
Vert 288(E) 461(E) 914(E) 810(E) 335(E) 714(E) 1141(E) 1230(E) 1310(E) 1410(E)
Tranezoidal Loads (nf)
Vert: 1=-312-to-2=-368, 2=-368-to-3=-512, 3=-523-to-4=-379, 4=-379-to-5=-323
46) Reversal: Dead + 0.75 Boof Live (bal.) + 0.75(0.6 MWERS Wind (Neg. Int) and Parallel): Lumber Increase=1.60. Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-10=-20
Horz: 1-2=-7, 4-5=18, 1-10=-5, 5-6=-16
Concentrated Loads (lb)
Vert: 2=-62(F) 4=-87(F) 9=-14(F) 8=-10(F) 3=-35(F) 7=-14(F) 11=-30(F) 12=-41(F) 13=-10(F) 14=-10(F)
Trapezoidal Loads (plf)
Vert: 1=-323-to-2=-379, 2=-379-to-3=-523, 3=-512-to-4=-368, 4=-368-to-5=-312



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	M01	ATTIC	2	1	
					Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:39 2019 Page 2
			c2XqYPcł	s0eFcMJ	Duu1zNC97-uyxwGk4k2N_EPyinHA02mS6DHmz2Fffw_sdzTRzNA9_

NOTES- (16)

15) Attic room checked for L/360 deflection.
16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-32, 3-4=-42, 4-5=-32, 5-6=-45, 6-7=-32, 7-8=-42, 8-10=-32, 13-21=-20, 12-13=-30, 12-25=-20, 4-7=-10 Drag: 3-13=-20, 8-12=-20



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	M01E	GABLE	1	1	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001				cks0eFcN	8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:41 2019 Page 2 MJOuu1zNC97-rL3ghQ5?a_EyeGsAPb3WstCfRZl4jelCSA64XJzNA8y

NOTES-(20)

- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 13) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-21, 21-22, 7-22; Wall dead load (10.0psf) on member(s).3-17, 8-14
 14) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-17, 15-16, 14-15
- 15) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 13, 9 except (jt=lb) 2=111, 17=614, 14=574, 18=148, 20=353, 11=293, 2=111.
- 16) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 17) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 18) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 19) Attic room checked for L/360 deflection.
- 20) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf) Vert: 1-3=-32, 3-4=-42, 4-5=-32, 5-6=-45, 6-7=-32, 7-8=-42, 8-10=-32, 17-36=-20, 16-17=-30, 15-16=-30, 14-15=-30, 14-40=-20, 4-7=-10 Drag: 3-17=-20, 8-14=-20

¹⁰⁾ Gable studs spaced at 2-0-0 oc.



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL		
1625532	M02	ATTIC	2	1	lob Reference (ontional)		
Builders Firstsource, Albemarle,	NC 28001	ID:WDv	8.200 Reterence (optional) 8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:43 2019 ID:WDvc2XgYPcks0eFcMJOut 12NC97-nkAR667F6bUfta??W05?xIHvGNKrBTeVvUbBbC				

NOTES- (16)

15) Attic room checked for L/360 deflection.
16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-32, 3-4=-42, 4-5=-32, 5-6=-45, 6-7=-32, 7-8=-42, 8-9=-32, 12-24=-20, 11-12=-30, 11-20=-20, 4-7=-10 Drag: 3-12=-20, 8-11=-20



Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	M03	ATTIC	1	2	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001 BUILD:WDvc2XqYPcks0eFcMJOuu1zNC97-i6IBWo8VeDkN7t9xeQ7T0jMB0AxwfPeoN					

NOTES- (16)

- 13 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 15) Attic room checked for L/360 deflection.
 16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-64, 3-4=-84, 4-5=-64, 5-6=-91, 6-7=-64, 7-8=-84, 8-9=-64, 12-24=-40, 11-12=-60, 11-22=-70(F=-30), 20-22=-40, 4-7=-20 Drag: 3-12=-40, 8-11=-40



8) Provide adequate drainage to prevent water ponding.

9) All plates are MT20 plates unless otherwise indicated.

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

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL				
1625532	M04	ATTIC	2	3					
Builders Firstsource, Albemarle, NC 28001 BUILD WDvc2VoxPetcone FM Liver 2007 Biology 2018 MiTek Industries, Inc. Thu Apr 25 14:02:46 20 BOW The First Source, Albemarle, NC 28001									
NOTES- (17) 11) * This truss has been other members, with E 12) Ceiling dead load (5.0 13) Bottom chord live load 14) This truss is designed 15) Load case(s) 1, 2, 3, 4 must review loads to v 16) Attic room checked for 17) This monufactured the	designed for a live load of 3 3CDL = 10.0psf. psf) on member(s). 3-4, 7- I (40.0 psf) and additional b in accordance with the 20- I, 5, 6, 7, 8, 9, 10, 11, 12, 1 verify that they are correct for L/360 deflection.	20.0psf on the bottom chord in all areas whe 8, 4-14, 14-15, 7-15; Wall dead load (10.0p bottom chord dead load (5.0 psf) applied only 15 International Residential Code sections R 3, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, or the intended use of this truss.	re a recta sf) on mer to room. 502.11.1 ; 25, 26, 27	ngle 3-6- mber(s).3 11-12 and R80 7, 28, 29,	3-020012NC97-5532X797P wsek ik/ been the bottom chord and any 3-12, 8-11 02.10.2 and referenced standard ANSI/TPI 1. 9, 30, 31, 32, 33, 34 has/have been modified. Building designer				
building designer per	building designer per ANSI TPI 1 as referenced by the building code.								
LOAD CASE(S) Standard 1) Dead + Snow (balanced Uniform Loads (plf) Vert: 1-2=-96, 4 Drag: 3-12=-60 Trapezoidal Loads (plf)	LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-96, 4-5=-96, 5-6=-136, 6-7=-96, 7-8=-126, 8-9=-96, 24-26=-60, 12-26=-110(F=-50), 11-12=-90, 11-20=-60, 4-7=-30 Drag: 3-12=-60, 8-11=-60								
Vert: 2=-176-to 2) Dead + Roof Live (bala	-3=-123, 3=-153-to-4=-125 nced): Lumber Increase=1.	15. Plate Increase=1.15							
Uniform Loads (plf) Vert: 1-2=-180, Drag: 3-12=-60 Trapezoidal Loads (plf)	4-5=-180, 5-6=-180, 6-7=- , 8-11=-60	180, 7-8=-210, 8-9=-180, 24-26=-60, 12-26=	-110(F=-5	0), 11-12	2=-90, 11-20=-60, 4-7=-30				
3) Dead + 0.75 Roof Live	-3=-207, 3=-237-to-4=-210 (balanced) + 0.75 Uninhab	. Attic Storage + 0.75 Attic Floor: Lumber Inc	rease=1.	15, Plate	e Increase=1.15				
Uniform Loads (pff) Vert: 1-2=-150, Drag: 3-12=-60. Trapezoidal Loads (plf)	4-5=-150, 5-6=-150, 6-7=- ⁻ , 8-11=-60 -3=-177_3=-207-to-4=-180	150, 7-8=-180, 8-9=-150, 24-26=-60, 12-26=	-257(F=-1	97), 11- ⁻	-12=-270, 11-33=-150, 20-33=-60, 4-7=-30				
4) Dead + 0.75 Snow (bala Uniform Loads (plf) Vert: 1-2=-87, 4 Drag: 3-12=-60	l-5=-87, 5-6=-117, 6-7=-87, , 8-11=-60	ic Storage + 0.75 Attic Floor: Lumber Increa: , 7-8=-117, 8-9=-87, 24-26=-60, 12-26=-257(se=1.15, F F=-197), ⁻	Plate Inci 11-12=-2	rease=1.15 270, 11-33=-150, 20-33=-60, 4-7=-30				
Trapezoidal Loads (plf) Vert: 2=-167-to-	-3=-114, 3=-144-to-4=-116								
5) Dead + Uninhabitable A Uniform Loads (plf) Vert: 1-2=-60, 4	Attic Without Storage: Lumb	per Increase=1.25, Plate Increase=1.25 7-8=-90, 8-9=-60, 24-26=-120, 12-26=-170(F	=-50), 11·	-12=-90,	, 11-20=-120, 4-7=-30				
Trapezoidal Loads (plf)	3- 87 3- 117 to 4- 90								
6) Dead + 0.6 C-C Wind (I	Pos. Internal) Case 1: Lum	ber Increase=1.60, Plate Increase=1.60							
Vert: 1-2=106, 4 Horz: 1-2=-142, Drag: 3-12=-60 Trapezoidal Loads (plf)	4-5=41, 5-6=65, 6-7=57, 7- , 2-28=-93, 5-28=-77, 6-31= , 8-11=-60	8=39, 8-31=57, 9-31=41, 24-26=-36, 12-26= =93, 9-31=77	-66(F=-30), 11-12:	2=-54, 11-20=-36, 4-7=-18				
7) Dead + 0.6 C-C Wind (I	28=-2, 28=-17-to-3=14, 3=-4 Pos. Internal) Case 2: Lum	4-to-4=24 ber Increase=1.60, Plate Increase=1.60							
Uniform Loads (plf) Vert: 1-2=27, 4- Horz: 1-2=-63, 5 Drag: 3-12=-60 Trapezoidal Loads (plf)	Uniform Loads (plf) Vert: 1-2=27, 4-5=57, 5-6=65, 6-7=41, 7-8=23, 8-32=41, 9-32=57, 24-26=-36, 12-26=-66(F=-30), 11-12=-54, 11-20=-36, 4-7=-18 Horz: 1-2=-63, 2-29=-77, 5-29=-93, 6-32=77, 9-32=93 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf)								
8) Dead + 0.6 C-C Wind (I	Neg. Internal) Case 1: Lum	-to-4=40 ber Increase=1.60, Plate Increase=1.60							
Vert: 1-2=3, 4-5 Horz: 1-2=-63, 2 Drag: 3-12=-60, 2 Drag: 3-12=-60, 2	Uniform Loads (plf) Vert: 1-2=3, 4-5=-137, 5-6=-90, 6-7=-137, 7-8=-167, 8-9=-137, 24-26=-60, 12-26=-90(F=-30), 11-12=-90, 11-20=-60, 4-7=-30 Horz: 1-2=-63, 2-5=77, 6-9=-77 Drag: 3-12=-60, 8-11=-60								
Vert: 2=-217-to-	-3=-165, 3=-195-to-4=-167	har Ingradad 1.60. Plata Ingradad 1.60							
 9) Dead + 0.6 C-C wind (Neg. Internal) Gase 2: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-123, 4-5=-137, 5-6=-90, 6-7=-137, 7-8=-167, 8-9=-137, 24-26=-60, 12-26=-90(F=-30), 11-12=-90, 11-20=-60, 4-7=-30 Horz: 1-2=-63, 2-5=77, 6-9=-77 Drag: 3-12=-60, 8-11=-60 									
Trapezoidal Loads (plf) Vert: 2=-217-to-	-3=-165, 3=-195-to-4=-167								
10) Dead + 0.6 MWFRS V Uniform Loads (plf) Vert: 1-2=-10, Horz: 1-2=-26.	Vind (Pos. Internal) Left: Lu 4-5=-43, 5-6=63, 6-7=20, 7 . 2-5=7, 6-9=56	Imber Increase=1.60, Plate Increase=1.60 7-8=2, 8-9=20, 24-26=-36, 12-26=-66(F=-30)	, 11-12=-{	54, 11-20	20=-36, 4-7=-18				
Drag: 3-12=-6 Trapezoidal Loads (pli Vert: 2123-tr	0, 8-11=-60 f) p-3=-70_3=-88-to-461								
11) Dead + 0.6 MWFRS V	Vind (Pos. Internal) Right: L	umber Increase=1.60, Plate Increase=1.60							

Continued on page 3

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	M04	ATTIC	2	3	
				U	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:46 2019 Page 3

8.200 Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:46 2019 Page 3 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-BJsZk797PWsEk1k7B8eiYxvMBaJkOs5ybSprCXzNA8t

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-2=6, 4-5=20, 5-6=63, 6-7=-43, 7-8=-61, 8-9=-43, 24-26=-36, 12-26=-66(F=-30), 11-12=-54, 11-20=-36, 4-7=-18 Horz: 1-2=-42, 2-5=-56, 6-9=-7 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-60-to-3=-7, 3=-25-to-4=2 12) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-81, 4-5=-96, 5-6=10, 6-7=-32, 7-8=-62, 8-9=-32, 24-26=-60, 12-26=-90(F=-30), 11-12=-90, 11-20=-60, 4-7=-30 Horz: 1-2=21, 2-5=36, 6-9=28 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-176-to-3=-123, 3=-153-to-4=-125 13) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-18, 4-5=-32, 5-6=10, 6-7=-96, 7-8=-126, 8-9=-96, 24-26=-60, 12-26=-90(F=-30), 11-12=-90, 11-20=-60, 4-7=-30 Horz: 1-2=-42, 2-5=-28, 6-9=-36 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-112-to-3=-60, 3=-90-to-4=-62 14) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=49, 4-5=63, 5-30=63, 6-30=20, 6-7=20, 7-8=2, 8-9=20, 24-26=-36, 12-26=-66(F=-30), 11-12=-54, 11-20=-36, 4-7=-18 Horz: 1-2=-85, 2-5=-99, 6-9=56 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-17-to-3=36, 3=18-to-4=45 15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=6, 4-5=20, 5-30=20, 6-30=63, 6-7=63, 7-8=45, 8-9=63, 24-26=-36, 12-26=-66(F=-30), 11-12=-54, 11-20=-36, 4-7=-18 Horz: 1-2=-42, 2-5=-56, 6-9=99 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-60-to-3=-7, 3=-25-to-4=2 16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=19, 4-5=33, 5-30=33, 6-30=7, 6-7=7, 7-8=-11, 8-9=7, 24-26=-36, 12-26=-66(F=-30), 11-12=-54, 11-20=-36, 4-7=-18 Horz: 1-2=-55, 2-5=-69, 6-9=43 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-47-to-3=6, 3=-12-to-4=15 17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-7, 4-5=7, 5-30=7, 6-30=33, 6-7=33, 7-8=15, 8-9=33, 24-26=-36, 12-26=-66(F=-30), 11-12=-54, 11-20=-36, 4-7=-18 Horz: 1-2=-29, 2-5=-43, 6-9=69 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-73-to-3=-20, 3=-38-to-4=-10 18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=25, 4-5=10, 5-30=10, 6-30=-32, 6-7=-32, 7-8=-62, 8-9=-32, 24-26=-60, 12-26=-90(F=-30), 11-12=-90, 11-20=-60, 4-7=-30 Horz: 1-2=-85, 2-5=-70, 6-9=28 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-70-to-3=-17, 3=-47-to-4=-19 19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-18, 4-5=-32, 5-30=-32, 6-30=10, 6-7=10, 7-8=-20, 8-9=10, 24-26=-60, 12-26=-90(F=-30), 11-12=-90, 11-20=-60, 4-7=-30 Horz: 1-2=-42, 2-5=-28, 6-9=70 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-112-to-3=-60, 3=-90-to-4=-62 20) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-96, 4-5=-60, 5-6=-60, 6-9=-60, 24-26=-60, 12-26=-110(F=-50), 11-12=-90, 11-20=-60 Trapezoidal Loads (plf) Vert: 2=-140-to-4=-60 21) Dead + Uninhab. Attic Storage + Attic Floor: Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 1-2=-60, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-90, 8-9=-60, 24-26=-60, 12-26=-310(F=-250), 11-12=-330, 11-33=-180, 20-33=-60, 4-7=-30 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-140-to-3=-87, 3=-117-to-4=-90 22) Dead + Uninhabitable Attic Storage: Lumber Increase=1.00, Plate Increase=1.00

Job Truss Truss Type Qty Ply STURTZ HOMES - 23 LEIGH LAUREL 1625532 M04 ATTIC 2 3 Job Reference (optional) Builders Firstsource, Albemarle, NC 28001 8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:46 2019 Page 4 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-BJsZk797PWsEk1k7B8eiYxvMBaJkOs5ybSprCXzNA8t LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-2=-60, 4-5=-60, 5-6=-60, 6-7=-60, 7-8=-90, 8-9=-60, 24-26=-60, 12-26=-310(F=-250), 11-12=-330, 11-33=-180, 20-33=-60, 4-7=-30 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-140-to-3=-87, 3=-117-to-4=-90 23) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2-103, 4-5=-113, 5-6=-64, 6-7=-66, 7-8=-96, 8-9=-66, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=16, 2-5=27, 6-9=21 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-193-to-3=-141, 3=-171-to-4=-143 24) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-55, 4-5=-66, 5-6=-64, 6-7=-113, 7-8=-143, 8-9=-113, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=-31, 2-5=-21, 6-9=-27 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-146-to-3=-93, 3=-123-to-4=-96 25) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2--23, 4-5=-34, 5-30=-64, 6-30=-96, 6-7=-66, 7-8=-96, 8-9=-66, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=-63, 2-5=-53, 6-9=21 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-114-to-3=-61, 3=-91-to-4=-64 26) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-55, 4-5=-66, 5-30=-96, 6-30=-64, 6-7=-34, 7-8=-64, 8-9=-34, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=-31, 2-5=-21, 6-9=53 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-146-to-3=-93, 3=-123-to-4=-96 27) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-166, 4-5=-177, 5-6=-97, 6-7=-129, 7-8=-159, 8-9=-129, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=16, 2-5=27, 6-9=21 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-257-to-3=-204, 3=-234-to-4=-206 28) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2--119, 4-5--129, 5-6-97, 6-7--177, 7-8-207, 8-9-177, 24-26--60, 12-26--242(F--182), 11-12--270, 11-33--150, 20-33--60, 4-7--30 Horz: 1-2=-31, 2-5=-21, 6-9=-27 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-209-to-3=-157, 3=-187-to-4=-159 29) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-87, 4-5=-97, 5-30=-97, 6-30=-129, 6-7=-129, 7-8=-159, 8-9=-129, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=-63, 2-5=-53, 6-9=21 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-177-to-3=-124, 3=-154-to-4=-127 30) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60. Plate Increase=1.60 Uniform Loads (plf) Vert: 1-2=-119, 4-5=-129, 5-30=-129, 6-30=-97, 6-7=-97, 7-8=-127, 8-9=-97, 24-26=-60, 12-26=-242(F=-182), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Horz: 1-2=-31, 2-5=-21, 6-9=53 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-209-to-3=-157, 3=-187-to-4=-159 31) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-180, 4-5=-180, 5-6=-180, 6-7=-60, 7-8=-90, 8-9=-60, 24-26=-60, 12-26=-110(F=-50), 11-12=-90, 11-20=-60, 4-7=-30 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-260-to-3=-207, 3=-237-to-4=-210 32) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-60, 4-5=-60, 5-6=-180, 6-7=-180, 7-8=-210, 8-9=-180, 24-26=-60, 12-26=-110(F=-50), 11-12=-90, 11-20=-60, 4-7=-30 Drag: 3-12=-60, 8-11=-60 Trapezoidal Loads (plf) Vert: 2=-140-to-3=-87, 3=-117-to-4=-90 33) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	M04	ATTIC	2		Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:46 2019 Page 5

8.200 s Nov 3 2018 MTek Industries, Inc. Thu Apr 25 14:02:46 2019 Page 5 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-BJsZk797PWsEk1k7B8eiYxvMBaJkOs5ybSprCXzNA8t

LOAD CASE(S) Standard

 LOAD CASE(S) Standard

 Uniform Loads (plf)

 Vert: 1-2=-150, 4-5=-150, 5-6=-150, 6-7=-60, 7-8=-90, 8-9=-60, 24-26=-60, 12-26=-257(F=-197), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30

 Drag: 3-12=-60, 8-11=-60

 Trapezoidal Loads (plf)

 Vert: 2=-230-to-3=-177, 3=-207-to-4=-180

 34) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-2=-60, 4-5=-60, 5-6=-150, 6-7=-150, 7-8=-180, 8-9=-150, 24-26=-60, 12-26=-257(F=-197), 11-12=-270, 11-33=-150, 20-33=-60, 4-7=-30 Drag: 3-12=-60, 8-11=-60

Trapezoidal Loads (plf) Vert: 2=-140-to-3=-87, 3=-117-to-4=-90





(lb) - Max Horz 2=-42(LC 21) Max Uplift All uplift 100 lb or less at joint(s) 8, 12, 13, 11, 10 Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 11, 10

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

NOTES- (15)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-11-0 to 2-5-13, Exterior(2) 2-5-13 to 4-11-8, Corner(3) 4-11-8 to 8-4-5 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 5) Roof design snow load has been reduced to account for slope.
- 6) Unbalanced snow loads have been considered for this design.
- 7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 8) All plates are 1.5x4 MT20 unless otherwise indicated.
- 9) Gable requires continuous bottom chord bearing.
- 10) Gable studs spaced at 2-0-0 oc.
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 12, 13, 11, 10.
- 14) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



10) This trues is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.


LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.3

OTHERS WEDGE

Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-TOP CHORD BOT CHORD

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

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. All bearings 6-9-0.

(lb) - Max Horz 2=31(LC 20) Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 8 Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 8

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

NOTES-(14)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-11-0 to 2-4-8, Exterior(2) 2-4-8 to 3-4-8, Corner(3) 3-4-8 to 6-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=7.7 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 5) Roof design snow load has been reduced to account for slope.
- 6) Unbalanced snow loads have been considered for this design.
- 7) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs
- non-concurrent with other live loads. Gable requires continuous bottom chord bearing.
- 9) Gable studs spaced at 2-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9, 8.
- 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1
- 14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



NOTES-(12)

- Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Max Grav 2=168(LC 2), 4=168(LC 2)

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

NOTES-(12)

- Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Max Grav 2=111(LC 2), 4=111(LC 2), 6=116(LC 5)

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

NOTES-(12)

- Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 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 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) Gable requires continuous bottom chord bearing.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



			14 4 0		
I			14-4-8		
Plate Offsets (X,Y)	[2:0-2-6,0-1-8], [3:0-3-14, Edge], [5:0-	3-14,Edge], [6:0-2-6,0-1-8	3]		
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014	CSI. TC 0.23 BC 0.11 WB 0.06 Matrix-S	DEFL. in Vert(LL) 0.00 Vert(CT) 0.00 Horz(CT) 0.00	(loc) l/defl L/d 6 n/r 120 7 n/r 120 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 55 lb FT = 20%
LUMBER- TOP CHORD 2x4 SF BOT CHORD 2x4 SF OTHERS 2x4 SF	² No.2 ² No.2 ³ No.3		BRACING- TOP CHORD BOT CHORD	Structural wood sheathing c 2-0-0 oc purlins (6-0-0 max. Rigid ceiling directly applied MiTek recommends that S be installed during truss er Installation quide.	lirectly applied or 6-0-0 oc purlins, except): 3-5. I or 10-0-0 oc bracing. itabilizers and required cross bracing rection, in accordance with Stabilizer

REACTIONS. All bearings 13-3-2.

NOTES- (14)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-14 to 7-11-15, Interior(1) 7-11-15 to 11-2-4, Exterior(2) 11-2-4 to 14-1-10 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) Gable requires continuous bottom chord bearing.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9, 10, 8.
 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular
- building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2

⁽Ib) - Max Horz 2=-61 (LC 12) Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 10, 8 Max Cray, All reporting 250 lb or loss at joint(s) 2, 6, 10, 8 expect 0, 257/1

Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 8 except 9=357(LC 31)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. WEBS 4-9=-279/103

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB03	Piggyback	1	1	Ish Defenses (antianal)
Duilden Einsteinen Allerinen	NO 00001				JOD Reference (optional)
Builders Firstsource, Albemarle,	NG 28001				8.200 s Nov 3 2018 Millek Industries, Inc. Thu Apr 25 14:02:59 2019 Page 2

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:02:59 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-Jp8UTaJHLWVOo1EdSNNlagxiTqvMxoesbzT19HzNA8g

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-32, 3-5=-45, 5-7=-32, 2-6=-20



REACTIONS. All bearings 13-3-2.

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

NOTES- (14)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-14 to 3-7-10, Interior(1) 3-7-10 to 5-2-4, Exterior(2) 5-2-4 to 9-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 gits problem to the plate grip DOL=1.60
 3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof
- 3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 4) Roof design snow load has been reduced to account for slope.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 7.7 psf on overhangs non-concurrent with other live loads.
- 6) Provide adequate drainage to prevent water ponding.
- 7) Gable requires continuous bottom chord bearing.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11 except (jt=lb) 12=122, 10=120.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular
- building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2

⁽lb) - Max Horz 2=-102(LC 12) Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11 except 12=-122(LC 14), 10=-120(LC 15) Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 11=334(LC 3), 12=303(LC 26), 10=301(LC 27)

Jop	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB04	Piggyback	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:01 2019 Page 2
		ID-M/F	N 0 V V D		LOW A-NOOZ EDOELOL VATION NO DDIEL AD - DLEON LOEO-NAO-

8.200 s Nov 3 2018 Milek Industries, Inc. Thu Apr 25 14:03:01 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-FBGEtGLYt7l61LN0anPDf5140daiPh592Hy8E9zNA8e

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-4=-32, 4-6=-45, 6-9=-32, 2-8=-20



11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

12) This mufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



¹³⁾ This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. Continued on page 2

¹⁴⁾ See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB06	GABLE	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:05 2019 Page 2

16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-57, 2-4=-32, 4-7=-45, 7-8=-32, 8-10=-32, 10-11=-57, 2-10=-20



- 9) Gable studs spaced at 4-0-0 oc.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 2, 15, 16 except (jt=lb) 17=161, 12=166.
- 13) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 14) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

Continued on page 2

Jop	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB07	GABLE	1	1	lob Reference (optional)
Builders Firstsource, Albemarle, NC 28001					8 200 s Nov 3 2018 MiTek Industries Inc. Thu Apr 25 14:03:08 2019 Page 2

16) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-2=-57, 2-4=-32, 4-7=-45, 7-8=-32, 8-10=-32, 10-11=-57, 2-10=-20



13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. Continued on page 2

Jop	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB08	Piggyback	1	1	Job Beference (optional)
Builders Eirstsource, Albemarte, NC 28001					8 200 s Nov 3 2018 MiTek Industries Inc. Thu Apr 25 14:03:10 2019 Page 2

15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-5=-32, 5-7=-45, 7-11=-32, 2-10=-20



12) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

13) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building

designer. Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB09	Piggyback	1	1	Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001 BUILDE BUILDE BU					

NOTES- (15)
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-5=-32, 5-7=-45, 7-11=-32, 2-10=-20



13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	PB11	GABLE	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:15 2019 Page 1

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WEBS 4-7=-331/237, 3-8=-279/217

NOTES-(13)

- 1) Wind: ASCÉ 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-14 to 3-7-10, Interior(1) 3-7-10 to 9-5-8 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 4) Roof design snow load has been reduced to account for slope.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Bearing at joint(s) 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6, 2 except (jt=lb) 7=168, 8=176.
- 11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- 13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



5) Gable requires continuous bottom chord bearing.

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

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 1=140, 8=178, 9=170, 10=142.

9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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

TOP CHORD 1-9=-479/376, 2-9=-450/407, 2-3=-289/195, 3-4=-258/246

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WEBS 4-7=-312/230, 2-8=-307/223
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NOTES- (9)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-9-0, Interior(1) 3-9-0 to 12-0-4 zone; cantilever left exposed; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 1 except (jt=lb) 7=175, 8=182.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



REACTIONS. All bearings 10-1-12. (Ib) - Max Horz 1=286(LC 14

Ib) - Max Horz 1=286(LC 14) Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=-150(LC 14), 7=-146(LC 14) Max Grav All reactions 250 lb or less at joint(s) 5 except 1=273(LC 14), 6=462(LC 25), 7=272(LC 25)

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

TOP CHORD 1-2=-405/372, 2-8=-292/223, 8-9=-276/227, 3-9=-261/257

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WEBS 3-6=-330/233
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NOTES- (9)

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-9-0, Interior(1) 3-9-0 to 10-0-4 zone; cantilever left exposed; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6)* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 6=150, 7=146.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=368(LC 25), 7=394(LC 25)

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

TOP CHORD 1-8=-289/254. 2-8=-271/263

WEBS 2-7=-311/225

NOTES-(12)

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

2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-9-0, Interior(1) 3-9-0 to 7-3-0, Exterior(2) 7-3-0 to 8-0-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof

snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4. 4) Roof design snow load has been reduced to account for slope.

5) Provide adequate drainage to prevent water ponding.

6) Gable requires continuous bottom chord bearing.

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

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 6 except (jt=lb) 7=179

- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	V04	VALLEY	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle, NC 28001 8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:21 2019 Pr					

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:21 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-g2To45a49HGGRPvsl_mvTJsSMhP05jE5eOoCx?zNA8K

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-3=-32, 3-4=-45, 1-5=-20



(lb/size) 1=75/6-1-12 (min. 0-1-8), 4=81/6-1-12 (min. 0-1-8), 5=175/6-1-12 (min. 0-1-8) Max Horz 1=92(LC 14) Max Uplift4=-18(LC 10), 5=-38(LC 14)

Max Grav 1=119(LC 2), 4=102(LC 2), 5=233(LC 2)

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

(12) NOTES-

- Unbalanced roof live loads have been considered for this design.
 Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) ** TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps= varies (min. roof snow=5.9 psf Lumber DOL=1.15 Plate DOL=1.15) see load cases; Category II; Exp B; Partially Exp.; Ct=1.1, Lu=76-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
- 4) Roof design snow load has been reduced to account for slope.
- 5) Provide adequate drainage to prevent water ponding.
- 6) Gable requires continuous bottom chord bearing.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.
- 10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Uniform Loads (plf) Vert: 1-2=-32, 2-3=-45, 1-4=-20



6) Gable requires continuous bottom chord bearing.

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

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 6 except (jt=lb) 7=175.

10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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

12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

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

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	STURTZ HOMES - 23 LEIGH LAUREL
1625532	V06	VALLEY	1	1	
					Job Reference (optional)
Builders Firstsource, Albemarle,	NC 28001				8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:24 2019 Page 2

8.200 s Nov 3 2018 MiTek Industries, Inc. Thu Apr 25 14:03:24 2019 Page 2 ID:WDvc2XqYPcks0eFcMJOuu1zNC97-4d9xi7dzSCfrIteQQ7Kc5yU_nvQII4RYLM0sYKzNA8H

LOAD CASE(S) Standard Uniform Loads (plf) Vert: 1-3=-32, 3-4=-45, 1-5=-20



WEBS 2-5=-311/234

NOTES-(9)

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-9-0, Interior(1) 3-9-0 to 6-8-0 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4 except (jt=lb) 5 = 171.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Max Horz 1=142(LC 14)

Max Uplift3=-90(LC 14) Max Grav 1=173(LC 2), 3=189(LC 25)

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

NOTES- (

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-9-0, Interior(1) 3-9-0 to 4-8-0 zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow:
- Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



be installed during truss erection, in accordance with Stabilizer

Installation guide.

REACTIONS. (lb/size) 1=60/2-9-8 (min. 0-1-8), 3=60/2-9-8 (min. 0-1-8) Max Horz 1=76(LC 14) Max Uplift3=-48(LC 14) Max Grav 1=93(LC 2), 3=102(LC 25)

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

NOTES- (

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



Max Horz 1=130(LC 14)

Max Uplift3=-82(LC 14)

Max Grav 1=158(LC 2), 3=173(LC 25)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-9-0, Interior(1) 3-9-0 to 4-3-8 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow:
- Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

BRACING-TOP CHORD

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.

Structural wood sheathing directly applied or 2-5-4 oc purlins, except

REACTIONS. (lb/size) 1=50/2-5-0 (min. 0-1-8), 3=50/2-5-0 (min. 0-1-8) Max Horz 1=64(LC 14) Max Uplift3=-41(LC 14) Max Grav 1=78(LC 2), 3=85(LC 25)

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

NOTES- (

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15) Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



BOT CHORD

BOT CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3

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.

REACTIONS. (lb/size) 1=63/2-10-12 (min. 0-1-8), 3=63/2-10-12 (min. 0-1-8) Max Horz 1=80(LC 14) Max Uplift3=-51(LC 14) Max Grav 1=97(LC 2), 3=106(LC 25)

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

NOTES- (

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=10.0 psf (ground snow); Ps=5.9 psf (roof snow: Lumber DOL=1.15) Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
- 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.