r		1								-						
Job		Truss			Truss Ty	russ Type			Qty	Qty Ply 17 Serenity			nity-Roof-B326 B		160084252	
23060129	3-01 D1GR Cor			Commo	Common Girder				1 3 Job Refer			Reference (optional)		100904200		
Carter Components (Sanford, NC), Sanford, NC - 27332, Disahyaep5BsMWascBuTkn6buzRAib-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f																
					3-7-0		<u>9-2-8</u> 5-7-8			<u>14-10</u> 5-7-8	9-0 8		<u>18-5-</u> 3-7-()	4	
REPAI	R: 2-8-0 SPLIT	IN 1-PL	Y OF BOTT	ОМ СН	ORD BEC	GINNING AT	RIGHT EN	ID ;	3							
			Т													
						91 91				\searrow						
						4x5 > 16				17						
0-2-0 6- 7					2			4x5 • 4								
)												
				1							<u> </u>		N	\geq	5	
					5 [[]		nn -							\square		
					18	9 19	20	21	8 22	7		23 6	24	×	2	
				6x1	0 🎜	6x12 II HTU28	HTU28	12 HTU28	2x16 II HTU28	12x10 HTU2	6= 28 ⊦	6x12 ITU28 S	n Decial	6x1	0*	
			SHOP	FABRICA	HTU2 TE SCAB	8 TRUSS (SHOV	VN AS SHAD	DED AREA (ON TRUS	35			poolai	0-2-0	D	
			DESIG	N DRAWI	NG) USIN TRUSS TO	G THE LUMBE O ONE FACE C	R AND PLAT	TES INDICA	TED ON	PAGE 2. E CONNEC	CTIONS	5		11		
			LISTE	D IN NOTI	2											
Casla 4/54	~			⊢	3-7-0		9-2-8			14-10)-0		18-5-	0	4	
Plate Offsets	o (X, Y): [1:0-1-	12,0-2-4]	, [2:0-0-8,0-1	-8], [4:0-	0-8,0-1-8], [5:0-1-12,0-	2-4], [6:0-9-	8,0-3-0], [8	3:0-9-12	,0-6-0], [9	o 9:0-9-8	,0-3-0]	3-7-0	J		
Loading		(psf)	Spacing		2-0-0		CSI		D	EFL	i	n (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) Snow (Pf)		20.0 20.0	Plate Grip I	DOL	1.15 1.15		TC BC	0	.40 V .44 V	ert(LL) ert(CT)	-0.0 -0.1	9 6-8 6 6-8	>999 >999	240 180	MT20	244/190
TCDL		10.0	Rep Stress	Incr	NO		WB	0	.99 H	orz(CT)	0.0	3 5	n/a	n/a		
BCLL BCDL		0.0* 10.0	Code		IRC2018	/TPI2014	Matrix-MS	SH							Weight: 530 lb	FT = 20%
LUMBER					5)	Wind: ASCE	7-16; Vult=	130mph (3	B-secon	d gust)			Vert: 7=	-1924	(B), 18=-1924 (E	3), 19=-1924 (B),
TOP CHORE	2x6 SP No.2	2 00F 2 0F				Vasd=103m Cat. II: Exp E	ph; TCDL=6 B: Enclosed	0.0psf; BCE : MWFRS	DL=6.0p (envelor	sf; h=25ft be) exterio	t; or		20=-192 23=-192	24 (B), 24 (B).	21=-1924 (B), 22 24=-5551 (B)	2=-1924 (B),
WEBS	2x4 SP No.3	3 *Except	t* 8-3:2x4 SP	9 No.1		zone; cantile	ever left and	right expo	sed ; en	d vertical	l left			(),		
BRACING TOP CHORE	O Structural w	ood shea	athing directly	y applied	or	DOL=1.60				e grip						
BOT CHORE	6-0-0 oc pu Rigid ceiling	rlins.) directly	applied or 10)-0-0 oc	6)	Plate DOL=1	: 7-16; Pr=2 1.15); Pf=20	0.0 psf (ro 0.0 psf (Lun	of LL: Li n DOL=	um DOL= 1.15 Plate	=1.15 e					
REACTIONS	bracing. (size) 1	=0-5-8, 5	i=0-5-8		7)	Cs=1.00; Ct	=1.10; ROU =1.10	bava baa	Fully Ex	p.; Ce=0.:	.9; thic					
	Max Horiz 1 Max Grav 1	=162 (LC =10907 (C 11)	934 (I C 2	()	design.	show loads	nave beer			unis					
FORCES	(lb) - Maxim	um Com	pression/Max	kimum	-/ 8)	chord live loa	as been des ad nonconc	igned for a urrent with	any oth	er live loa	ads.					
TOP CHORE	i ension 1-2=-14369/	/0, 2-3=-1	11299/0, 3-4=	=-11293/0	9)),	* This truss I on the bottor	has been de m chord in a	esigned for all areas wh	a live lo nere a re	ad of 20. ectangle	.0psf					
4-5=-17842/0 3-06-00 tall by 2-00-00 wide will fit between the bottom BOT CHORD 1-9=0/11412, 8-9=0/11412, 6-8=0/14223, chord and any other members.																
5-6=0/14223 10) This truss is de: WEBS 3-8=0/13001, 4-8=-6133/73, 4-6=0/6784 Internetional U						s is designed in accordance with the 2018 anal Residential Code sections R502.11.1 and										
NOTEO	2-8=-2703/0), 2-9=0/3	3012	,	44)	R802.10.2 a	nd reference	ed standar	d ANSI/	TPI 1.	ana				WHY CA	Pall
1) N/A					11)	14-10dx1 1/2 Truss, Single Ply Girder) or equivalent								and and	RIFESE	DUNIU
2) 3-ply truss to be connected together with 10d						end to 14-0-12 to connect truss(es) to back face of								Ì	1 Pris	No.
(0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows						bottom chord. 12) Fill all nail holes where hanger is in contact with lumber.									- CEA	
staggered at 0-9-0 oc. Bottom chords connected as follows: 2x12 - 6 rows staggered at 0-4-0 oc. Web connected as follows: 2x4 - 1 row at 0-9-0 oc. 3) All loads are considered equally applied to all plies,																
									- RIA S							
except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate										EL BERIN						
provided to distribute only loads noted as (F) or (B), unless otherwise indicated.										il Luin						
 Unbaland this deside 	ced roof live loa	ids have	been conside	ered for		Vert: 1-3	=-60, 3-5=-0	60, 10-13=	-20						Septembe	r 26,2023
	, ·					Concentrat	eu luads (II	J								
WAF Design	NING - Verify desig	n parameter vith MiTek®	rs and READ NO connectors. Thi	TES ON TH	IIS AND INC based only	LUDED MITEK R upon parameters	EFERENCE PA	AGE MII-7473 for an individ	rev. 1/2/20 ual buildin	023 BEFORE	E USE. ent, not				ENGINEER	
a truss buildin	system. Before use g design. Bracing i	e, the buildii ndicated is t	ng designer mus to prevent buckli	at verify the	applicability dual truss w	of design parameters of design parameters of design parameters of the second seco	eters and prope nembers only.	erly incorpora Additional te	te this des mporarv a	ign into the nd permane	overall ent bracir	ng				rlu

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

818 Soundside Road Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	17 Serenity-Roof-B326 B		
23060129-01	D1GR	Common Girder	1	3	Job Reference (optional)	60984253	

Carter Components (Sanford, NC), Sanford, NC - 27332,

Run: 8.63 S Aug 30 2023 Print: 8.630 S Aug 30 2023 MiTek Industries, Inc. Mon Sep 25 06:20:05 ID:ahvaep5BsMWascBuTkn6buzRAib-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f Page: 2





WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSUTP11 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcaccomponents.com)



