

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

Re: 29629-29629A 18 RUSHTON

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I49915185 thru I49915186

My license renewal date for the state of South Carolina is June 30, 2022.

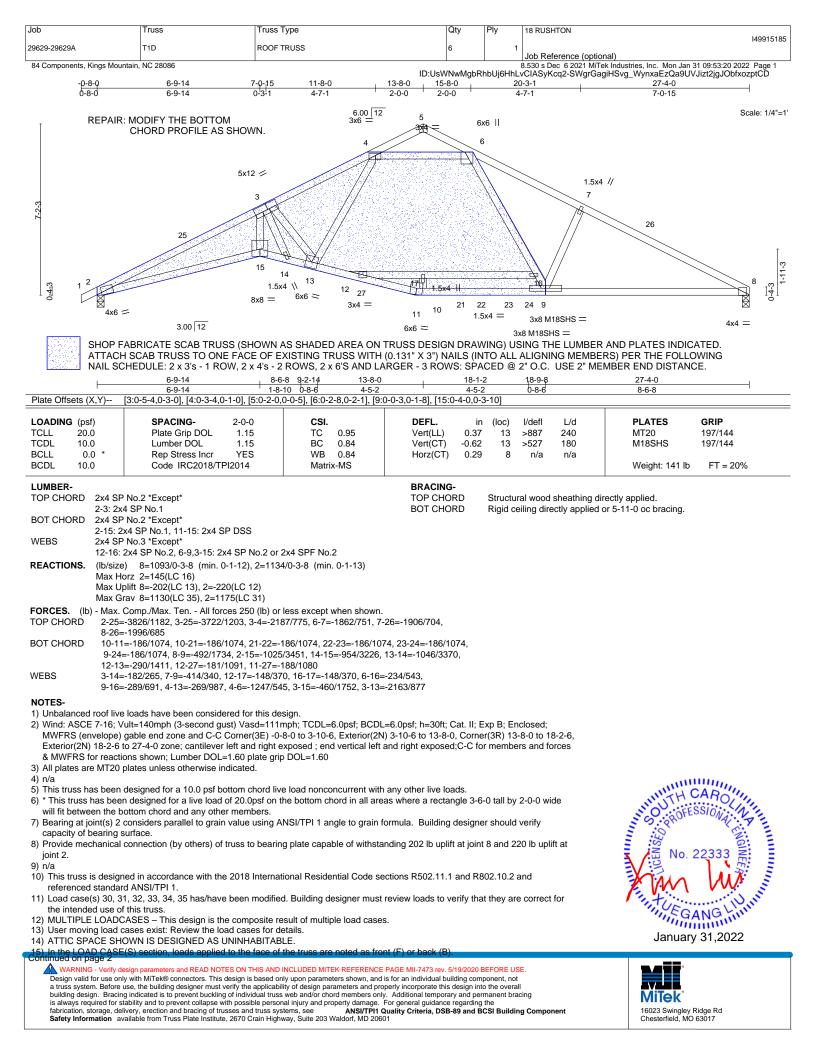
South Carolina COA: 923

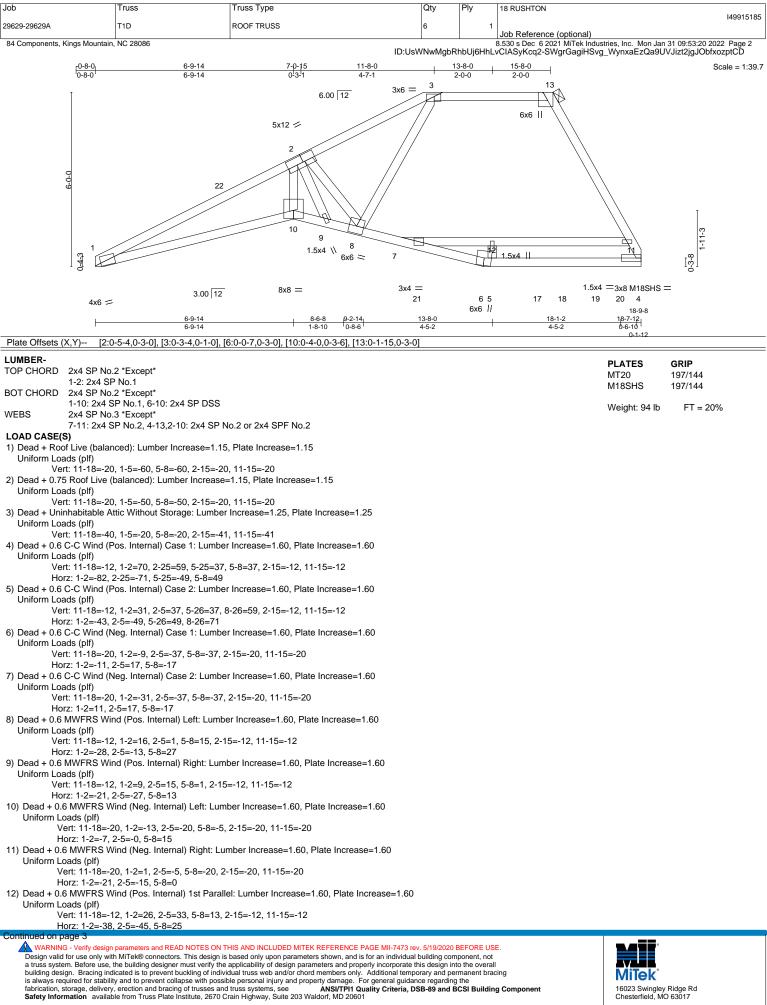


January 31,2022

Liu, Xuegang

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







Job	Truss	Truce Type	Oty	Div		
		Truss Type	Qty	Ply	18 RUSHTON	14991518
29629-29629A	T1D	ROOF TRUSS	6		Job Reference (optional	
84 Components, Kings M	lountain, NC 28086		ID:UsWNwMgbR	hbUj6Hhl		ndustries, Inc. Mon Jan 31 09:53:20 2022 Page 3 Svg_WynxaEzQa9UVJizt2jgJObfxozptCD
LOAD CASE(S)	PS Wind (Pos. Internal) (2nd Parallel: Lumber Increase=1.60, Pla	ate Increase-1.60			
Uniform Loads (pl	lf)	-8=33, 2-15=-12, 11-15=-12	ale inclease=1.00			
Horz: 1-2	2=-19, 2-5=-25, 5-8=45					
Uniform Loads (pl	lf)	Brd Parallel: Lumber Increase=1.60, Pla	ate Increase=1.60			
Horz: 1-2	2=-38, 2-5=-45, 5-8=25	5-8=13, 2-15=-12, 11-15=-12				
Uniform Loads (pl	lf)	4th Parallel: Lumber Increase=1.60, Pla -8=33, 2-15=-12, 11-15=-12	te Increase=1.60			
Horz: 1-2	2=-19, 2-5=-25, 5-8=45	1st Parallel: Lumber Increase=1.60, Pla	ate Increase=1.60			
Uniform Loads (pl	lf)	5-8=-7, 2-15=-20, 11-15=-20				
	2=-38, 2-5=-32, 5-8=13 RS Wind (Neg. Internal) 2	2nd Parallel: Lumber Increase=1.60, Pl	ate Increase=1.60			
Uniform Loads (pl	lf)	5-8=12, 2-15=-20, 11-15=-20				
	2=-19, 2-5=-13, 5-8=32 crease=0.90. Plate Increa	ase=0.90 Plt. metal=0.90				
Uniform Loads (pl						
19) Dead: Lumber Inc Uniform Loads (pl	crease=0.90, Plate Increa lf)	ase=0.90 Plt. metal=0.90				
20) Dead + 0.75 Roof), 2-15=-20, 11-15=-20 WFRS Wind (Neg. Int) Left): Lumber In	crease=1.60, Plate Increase=	1.60		
	,	0, 5-8=-39, 2-15=-20, 11-15=-20				
	of Live (bal.) + 0.75(0.6 M	WFRS Wind (Neg. Int) Right): Lumber	Increase=1.60, Plate Increase	e=1.60		
Vert: 11-		9, 5-8=-50, 2-15=-20, 11-15=-20				
	of Live (bal.) + 0.75(0.6 M	WFRS Wind (Neg. Int) 1st Parallel): Lu	imber Increase=1.60, Plate In	crease=	=1.60	
	-18=-20, 1-2=-21, 2-5=-2 2=-29, 2-5=-24, 5-8=9	6, 5-8=-41, 2-15=-20, 11-15=-20				
23) Dead + 0.75 Roo Uniform Loads (p	. , .	WFRS Wind (Neg. Int) 2nd Parallel): L	umber Increase=1.60, Plate I	ncrease=	=1.60	
	-18=-20, 1-2=-36, 2-5=-4 2=-14, 2-5=-9, 5-8=24	1, 5-8=-26, 2-15=-20, 11-15=-20				
Uniform Loads (p	olf)	Increase=1.60, Plate Increase=1.60				
Horz: 1-	2=-16, 2-5=16, 5-8=-16	5-8=-28, 2-15=-12, 11-15=-12				
Uniform Loads (p	olf)	ber Increase=1.60, Plate Increase=1.60				
Horz: 1-	-18=-12, 1-5=4, 5-8=4, 2- 5=-16, 5-8=16					
Uniform Loads (p	()	per Increase=1.15, Plate Increase=1.15				
	f Live (unbalanced): Lum	ber Increase=1.15, Plate Increase=1.1	5			
Vert: 11-	-18=-20, 1-5=-20, 5-8=-6	0, 2-15=-20, 11-15=-20 Lumber Increase=1.15, Plate Increase	=1 15			
Uniform Loads (p						
	Roof Live (unbalanced):	Lumber Increase=1.15, Plate Increase	=1.15			
	-18=-20, 1-5=-20, 5-8=-5 mber Increase=1.15, Pla					
Uniform Loads (p Vert: 11-	olf) -18=-20(F), 1-5=-60(F), 5	i-8=-60(F), 2-15=-20(F), 11-15=-20(F)				
Uniform Loads (p	olf)	ned: Lumber Increase=1.15, Plate Incr -8=-60(F), 2-15=-20(F), 13-15=-20(F),		(F)		
32) 2nd User Defined Uniform Loads (p	d Moving Load - User de olf)	fined: Lumber Increase=1.15, Plate Inc	rease=1.15			
	Moving Load - User def	i-8=-60(F), 2-15=-20(F), 15-27=-20(F), ined: Lumber Increase=1.15, Plate Incr	. ,			
Vert: 11-	-21=-50(F=-20), 18-21=-2 I Moving Load - User defi	20(F), 1-5=-60(F), 5-8=-60(F), 2-15=-20 ned: Lumber Increase=1.15, Plate Incr				
35) 5th User Defined Uniform Loads (p	I Moving Load - User defi olf)	=-20), 18-23=-20(F), 1-5=-60(F), 5-8=-6 ned: Lumber Increase=1.15, Plate Incr	ease=1.15			
•		=-20), 18-24=-20(F), 1-5=-60(F), 5-8=-6				
Design valid for use	only with MiTek® connectors. 1	NOTES ON THIS AND INCLUDED MITEK REFERI This design is based only upon parameters shown ust verify the applicability of design parameters ar	, and is for an individual building com	ponent, no	ot	
building design. Bra	icing indicated is to prevent buc	kling of individual truss web and/or chord member with possible personal injury and property dam	s only. Additional temporary and per	manent bra		MiTek
fabrication, storage,	delivery, erection and bracing of		PI1 Quality Criteria, DSB-89 and B		ing Component	16023 Swingley Ridge Rd Chesterfield, MO 63017

