

Trenco 818 Soundside Rd Edenton, NC 27932

Re: 38716-38716A 51 PRINCE PLACE - ROOF

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I61989026 thru I61989026

My license renewal date for the state of North Carolina is December 31, 2023.

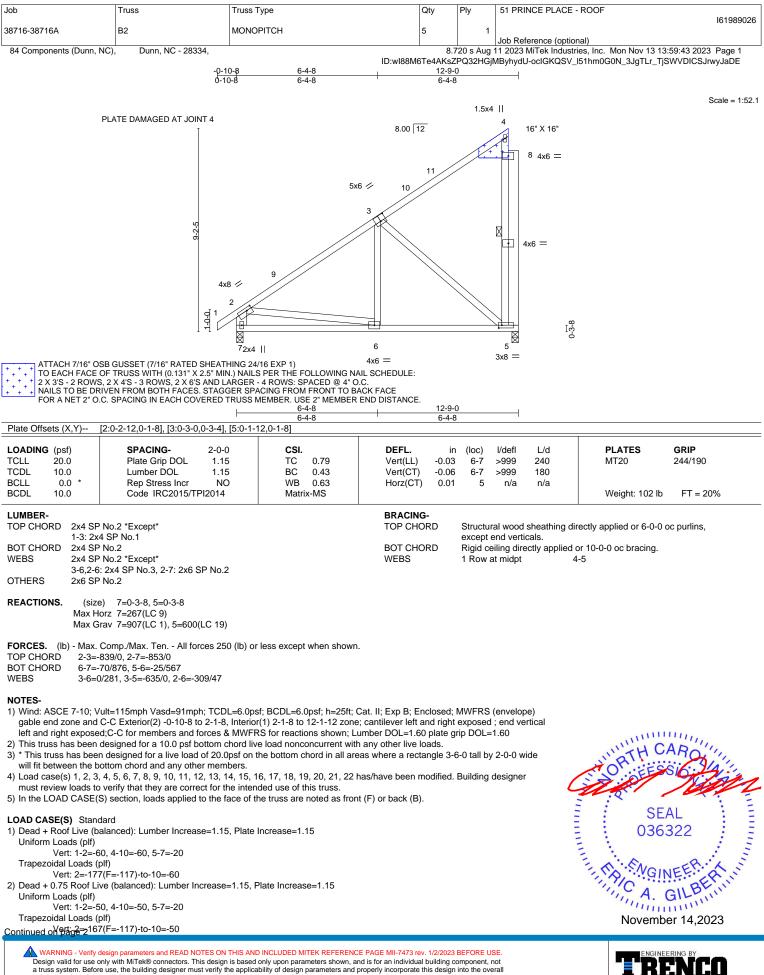
North Carolina COA: C-0844



November 14,2023

Gilbert, Eric

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.



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 **ANS/ITPI1 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)

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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 ANSI/TP11 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)



Job	Truss	Truss Type	Qty	Ply	51 PRINCE PLACE - ROOF	16400000
38716-38716A	B2	MONOPITCH	5	1		16198902
507 10-307 10A	DZ	MONOPTICH	5	1	Job Reference (optional)	
84 Components (Dunn, N	C), Dunn, NC - 2833	34.		8.720 s Aug	11 2023 MiTek Industries, Inc. Mon Nov 13 13:5	9:43 2023 Page 3
	0), 2000	.,			MByhydU-oclGKQSV_l51hm0G0N_3JgTLr_TjSV	
LOAD CASE(S) Stand						
Trapezoidal Loads (
	1(F=-117)-to-10=5					
	Wind (Neg. Internal) 1s	t Parallel: Lumber Increase=1.60, Plate	e Increase=1.60			
Uniform Loads (plf)		2				
	4-10=2, 5-8=-6, 5-7=-2					
	26, 2-4=-22, 4-5=6, 2-7=	-19				
	5(F=-117)-to-10=2					
	· /	d Parallel: Lumber Increase=1.60, Plat	o Incrosco-1.60			
Uniform Loads (plf)	wind (Neg. Internal) zi	a randiei. Lumber merease=1.00, 1 la				
	7, 4-10=-12, 5-8=19, 5-7	=-20				
	13, 2-4=-8, 4-5=-19, 2-7					
Trapezoidal Loads (, , ,	- 0				
	B(F=-117)-to-10=-12					
18) Dead: Lumber Incre		e=0.90 Plt. metal=0.90				
Uniform Loads (plf)						
	20, 4-10=-20, 5-7=-20					
Trapezoidal Loads (
	7(F=-117)-to-10=-20					
19) Dead + 0.75 Roof Li	ve (bal.) + 0.75(0.6 MW	FRS Wind (Neg. Int) Left): Lumber Incr	ease=1.60, Plate Increa	ase=1.60		
Uniform Loads (plf)						
Vert: 1-2=-5	5, 4-10=-58, 5-8=-5, 5-7	/=-20				
Horz: 1-2=5	, 2-4=8, 4-5=5, 2-7=16					
Trapezoidal Loads (plf)					
	5(F=-117)-to-10=-58					
	ve (bal.) + 0.75(0.6 MW	FRS Wind (Neg. Int) Right): Lumber Ind	crease=1.60, Plate Incr	ease=1.60		
Uniform Loads (plf)						
	0, 4-10=-44, 5-8=16, 5-					
	10, 2-4=-6, 4-5=-16, 2-7	=-5				
Trapezoidal Loads (
	0(F=-117)-to-10=-44				1.00	
/	ve (bal.) + 0.75(0.6 WW	FRS Wind (Neg. Int) 1st Parallel): Lum	per increase=1.60, Plat	e increase=	1.60	
Uniform Loads (plf)	31, 4-10=-34, 5-8=-5, 5-7					
	19, 2-4=-16, 4-5=5, 2-7=					
Trapezoidal Loads (-14				
	D(F=-117)-to-10=-34					
		FRS Wind (Neg. Int) 2nd Parallel): Lur	ber Increase-1.60 Pla	te Increase-	-1 60	
Uniform Loads (plf)				te mercase-	-1.00	
	0, 4-10=-44, 5-8=14, 5-	7=-20				
	10, 2-4=-6, 4-5=-14, 2-7					
Trapezoidal Loads (-				
	D(F=-117)-to-10=-44					

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