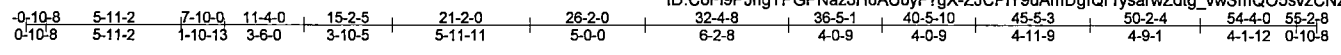


UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC 8,130 s Dec 12 2017 MiTek Industries, Inc. Tue Feb 6 17:09:21 2018 Page 1  
 ID: C6FI9PJngTPGNaz3HoAU0yF?gX-ZJCPiY9dAmDgfr1ysarwZdtg\_vwSmQO5svzCNznp71



Scale: 1/8"=1'

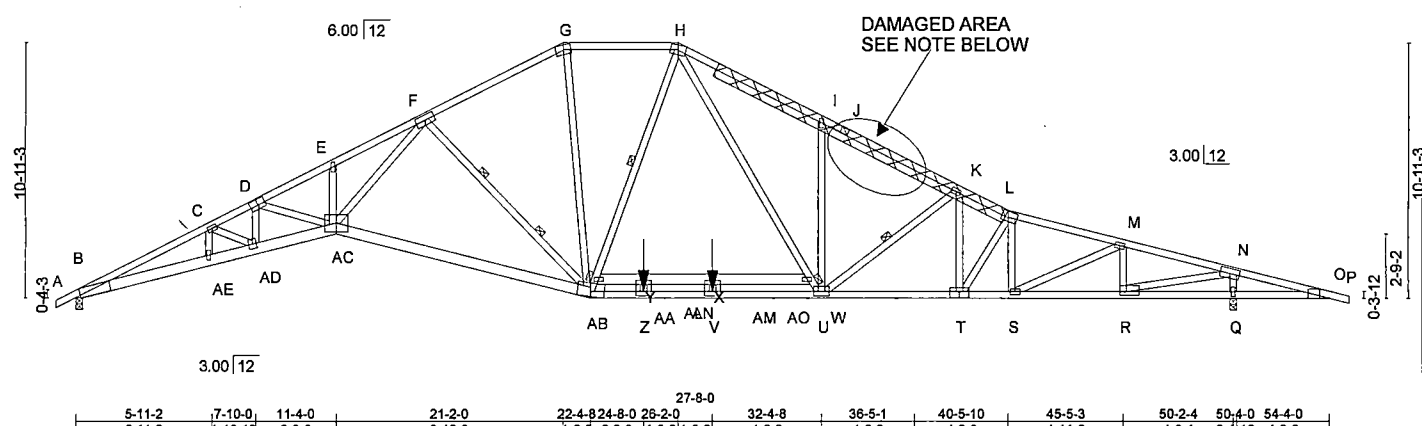


Plate Offsets (X, Y)-- [B:0-2-7,Edge], [D:0-4-0,0-3-0], [L:0-3-8,0-3-0], [O:0-5-0,Edge], [R:0-3-8,0-1-12], [T:0-5-0,0-3-0], [AC:0-6-0,0-4-12]

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.95	Vert(LL) -0.80 V-Z >751 240	MT18H	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.96	Vert(TL) -1.98 V-Z >304 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MSH	Horz(TL) 0.72 Q n/a n/a		
	Code IRC2009/TPI2007			Weight: 360 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* T3,T5: 2x4 SP No.2, T4: 2x4 SP SS	TOP CHORD Structural wood sheathing directly applied or 1-4-8 oc purlins.
BOT CHORD 2x4 SP SS *Except* B1: 2x6 SP SS, B2,B4: 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: Q-R,O-Q.
WEBS 2x4 SP No.3 *Except* W6,W19: 2x4 SP No.1	WEBS 6-0-0 oc bracing: W-AA 1 Row at midpt H-AA, K-U 2 Rows at 1/3 pts F-AB

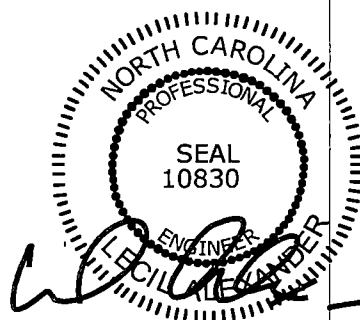
**REACTIONS.** (lb/size) B=2443/0-3-8 (req. 0-3-13), Q=2833/0-3-8 (req. 0-4-7)  
 Max Horz B=147(LC 5)  
 Max Uplift B=-173(LC 5), Q=-339(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD B-C=-8128/446, C-D=-8488/410, D-E=-8174/269, E-F=-8127/336, F-G=-3375/82,  
 G-H=-3070/104, H-I=-4591/206, I-J=-4423/56, J-K=-4567/38, K-L=-5481/126,  
 L-M=-5599/114, M-N=-4438/62, N-O=-373/913  
 BOT CHORD B-AE=-460/7368, AD-AE=-457/7487, AC-AD=-357/7838, AB-AC=-41/4649, AB-AL=0/3069,  
 Z-AL=0/3069, V-Z=0/3069, V-AM=0/3069, U-AM=0/3069, T-U=0/4907, S-T=0/5411,  
 R-S=0/4267, Q-R=-859/390, O-Q=-859/390  
 WEBS F-AC=-220/4403, F-AB=-2264/303, AA-AB=-448/26, H-AA=-153/285, H-W=-151/1919,  
 U-W=-279/1673, I-U=-410/260, L-S=-403/47, M-S=0/1242, M-R=-1090/156, N-R=-375/5250,  
 N-Q=-2694/322, G-AB=0/1168, C-AE=-453/36, D-AC=-366/187, C-AD=0/444, K-U=-1114/198,  
 K-T=-31/814, L-T=-969/58

This repair has been prepared based on information and use conditions supplied by client. Designer has made a good faith effort to outline damage and repair conditions as reported by client. When actual field conditions do not approximate those indicated on this drawing, client shall immediately inform the engineer and refrain from applying the repair.

**REPAIR FOR A DAMAGED AREA ON THE TOP CHORD**

SCAB A 2 X 8 X 14' 0" LONG #2 SPF ON BOTH FACES STARTING AT THE PITCH BREAK. ATTACH WITH 10D NAILS 6" C/C IN TWO ROWS IN THE TOP CHORD AND TWO IN EACH WEB.



2/6/18



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.