Job	Truss	Truss Type	Qty	Ply	
16-031855	T05	Common Truss	2	1	BMCCS.053116.01

8.000 s Jan 15 2016 MiTek Industries, Inc. Tue May 31 14:13:20 2016 Page 1
ID:iDDFQ1kM_d98OU8jjnj8yaz5?vk-y2TvmHCCadoegNjZjZC9Vz8b10L_XUb13LUD34zAxmT

-1-0-0 | 5-5-12 | 9-8-12 | 13-11-13 | 19-5-8 | 20-5-8
1-0-0 | 5-5-12 | 4-3-1 | 4-3-1 | 5-5-12 | 1-0-0

Scale = 1:34.2

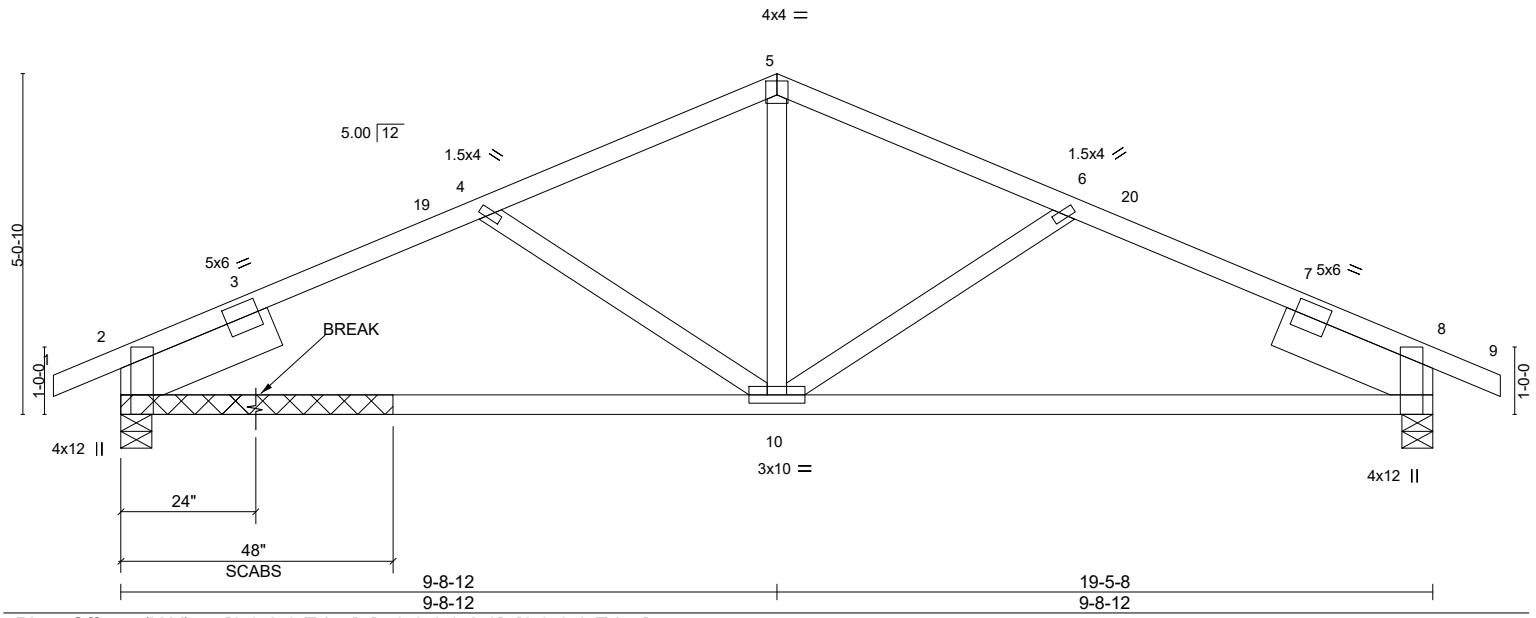

Plate Offsets (X,Y)-- [2:0-8-3,Edge], [5:0-2-0,0-2-8], [8:0-8-3,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.09	10-17	>999	240	MT20	169/123
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.25	10-17	>947	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.06	8	n/a	n/a		
BCLL	0.0 *	Code	IRC2009/TPI2007	(Matrix-M)							Weight: 84 lb	FT = 9%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 SPF 1650F 1.5E
BOT CHORD	2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr or 2x4 SPF 1650F 1.5E
WEBS	2x4 SPF-S Stud
SLIDER	Left 2x8 SPF 1950F 1.7E 2-6-0, Right 2x8 SPF 1950F 1.7E 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD	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) 2=1267/0-5-8 (min. 0-2-0), 8=1268/0-5-8 (min. 0-2-0)
Max Horz 2=-71(LC 9)
Max Uplift 2=-120(LC 8), 8=-120(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/69, 2-3=-502/0, 3-19=-1737/523, 4-19=-1626/539, 4-5=-1410/435, 5-6=-1410/435, 6-20=-1626/539, 7-20=-1737/523, 7-8=-502/0, 8-9=0/69
BOT CHORD	2-10=-363/1526, 8-10=-363/1526
WEBS	5-10=-126/550, 6-10=-492/223, 4-10=-492/223

*Repair: Bottom chord broken as shown.

1. Attach 2x4 No.2 or better grade scab to each face, centered about break, using 1 row of 10d COMMON nails (.148" dia.x 3") at 3" o/c along each face. Stagger nails evenly between each face.

* Engineering applies to repair only; refer to original sealed truss drawing for all other necessary truss documentation.

COLORADO REGISTERED
TIM MORGEN
35503
PROFESSIONAL ENGINEER

5/31/2016