

Job	Truss	Truss Type	Qty	Ply	K. Cummings/119 Ross Brae McRae/Hamett	E12956718
J0618-2882	A05	ROOF TRUSS	2	1		
Comtech, Inc., Fayetteville, NC 28309	Job Reference (optional)					

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 ID:Gk15E7cKhCPvJCdOtrO0oxyZRTx-5waluumBZpmUyAFRnNzzJeNmQbAEU6TBxZDmy9zNXIm

REPAIR: STUB TRUSS 3/4"
 AS SHOWN.

Scale = 1:68.2

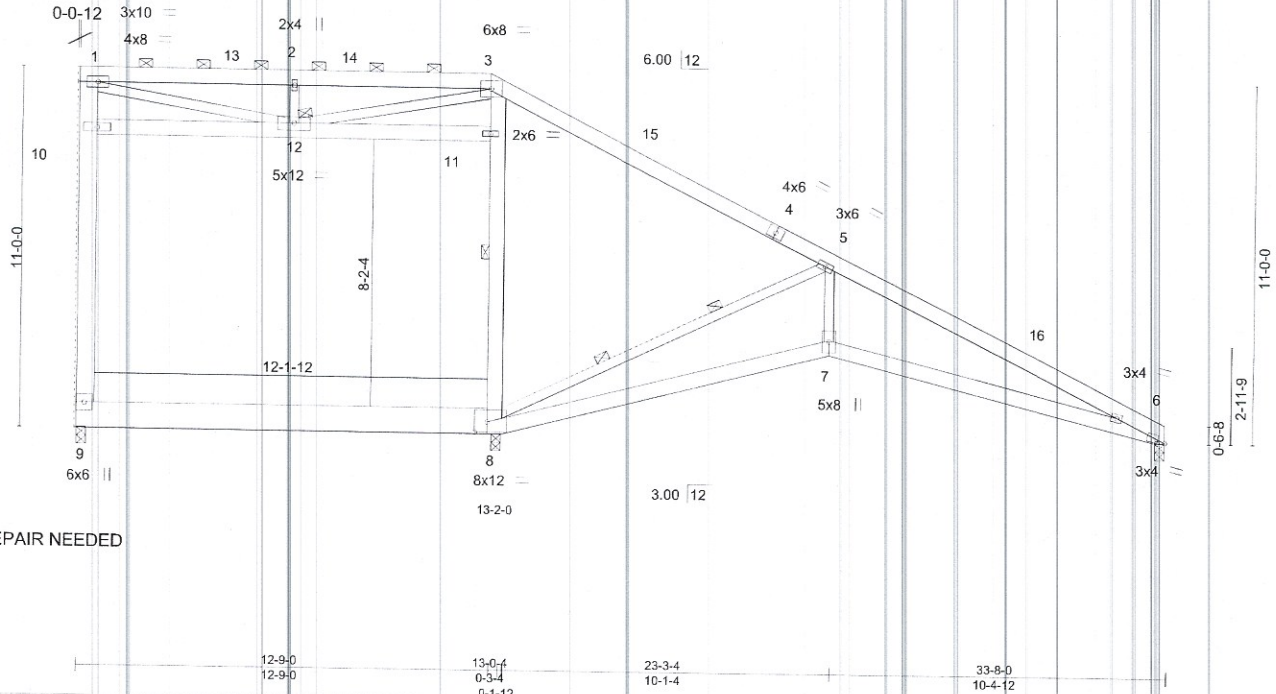


Plate Offsets (X,Y)--	[6:0-2-11,0-0-11], [8:0-4-12,0-3-12], [12:0-6-0,0-2-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.47	Vert(LL)	-0.23	8-9	>653	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.92	Vert(CT)	-0.34	8-9	>443		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.84	Horz(CT)	0.13	6	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S	Wind(LL)	0.07	6-7	>999		
								Weight: 307 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); 1-3.
BOT CHORD 2x6 SP No.1 *Except* 8-9: 2x10 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 1-9: 2x8 SP No.1, 3-8,10-11: 2x6 SP No.1, 5-8: 2x4 SP No.2	WEBS 1 Row at midpt 8-11 2 Rows at 1/3 pts 5-8
	JOINTS 1 Brace at Jt(s): 12

REACTIONS.	(lb/size) 9=706/0-3-8, 8=1757/0-3-8, 6=790/0-3-8 Max Horz 9=-345(LC 13) Max Grav 9=1055(LC 2), 8=1917(LC 2), 6=790(LC 1)
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FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	9-10=-468/148, 1-10=-405/174, 1-2=-997/251, 2-3=-997/251, 5-6=-1985/296
BOT CHORD	8-9=-24/357, 7-8=-143/1751, 6,7=-146/1766
WEBS	8-11=-905/218, 3-11=-762/244, 1-12=-276/831, 2-12=-326/184, 3-12=-94/1007, 5-7=0/1013, 5-8=-1905/415

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (envelope) and C-C Exterior(2) 0-3-10 to 4-8-7, Interior(1) 4-8-7 to 12-9-0, Exterior(2) 12-9-0 to 17-1-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
 - 5) Ceiling dead load (10.0 psf) on member(s). 10-12, 11-12; Wall dead load (5.0psf) on member(s).8-11
 - 6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 8-9
 - 7) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 9) Attic room checked for L/360 deflection.

