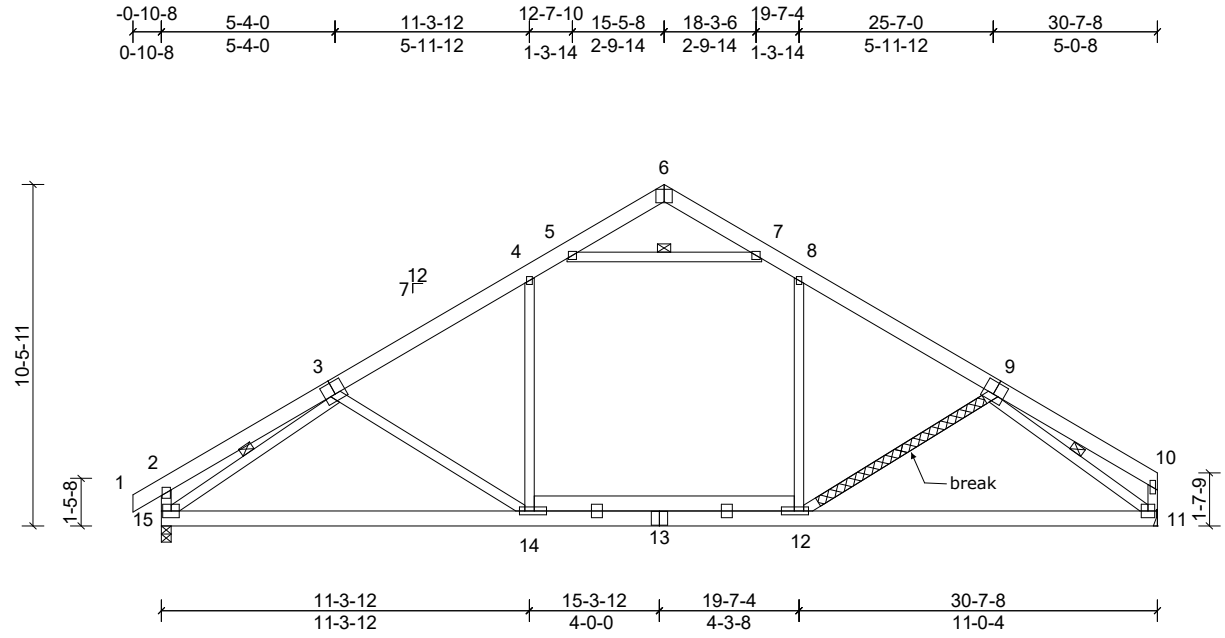
Job	Truss	Truss Type	Qty	Ply	Service - 1400 RANCH PLAN RF
72423785REP1	A03	Truss	16	1	Job Reference (optional)



Repair for a break in the web where indicated.

Attach 2x4 x 6' SP or SPF No.2 scab to each face of truss centered at the break with 2 rows of 10d (.131" x 3") nails spaced 4" oc

Plate Offsets (X, Y): [3:0-4-0,0-4-8], [6:0-3-0,Edge], [9:0-4-0,0-4-8], [12:0-1-12,0-1-8], [14:0-2-0,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.24	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.36	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH		Attic	-0.17	12-14	>587	360	Weight: 248 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* W4,W5:2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-11-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-7, 3-15, 9-11

REACTIONS (lb/size)

Max Horiz	15=-197 (LC 8)
Max Uplift	15=-14 (LC 10)
Max Grav	11=1398 (LC 19), 15=1452 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-368/56, 3-4=-1784/102, 4-5=-1383/134, 7-8=-1391/134, 8-9=-1781/102, 9-10=-255/36, 2-15=-343/86
BOT CHORD	14-15=-110/1645, 13-14=0/1491, 12-13=0/1491, 11-12=-57/1456
WEBS	8-12=0/505, 4-14=0/522, 3-14=-259/203, 5-7=-1584/154, 3-15=-1648/76, 9-11=-1706/108

NOTES (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-14
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint 15.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) Attic room checked for L/360 deflection.
10) 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.

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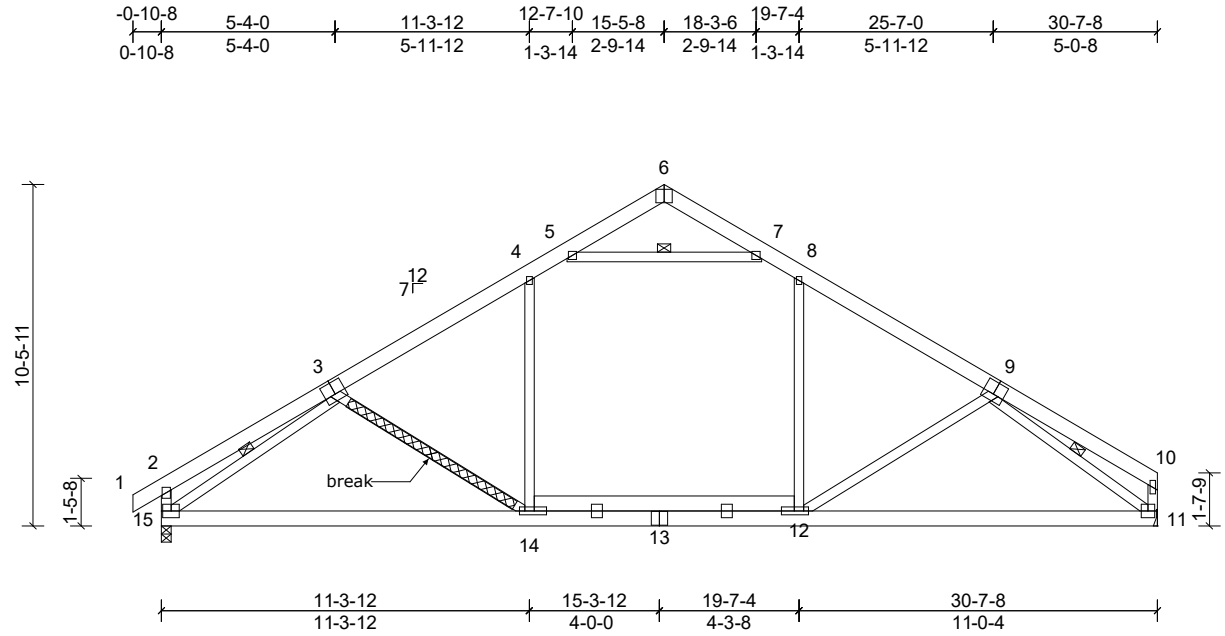

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REACTIONS (lb/size) 11=1254/ Mechanical, (min. 0-1-8), 15=1317/0-3-8, (min. 0-1-11)
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Max Uplift 15=-14 (LC 10)
Max Grav 11=1398 (LC 19), 15=1452 (LC 18)

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