

Job	Truss	Truss Type	Qty	Ply	Parks Bldg Sply / Lyon Residence
72507589REP1	2F9	Truss	7	1	Job Reference (optional)

Repair for a section of top chord missing where indicated.

Attach 2x8 SP or SPF No.2 scab to each face of truss as shown with 10d (.131" x 3") nails spaced 6" oc in the chord, and two evenly spaced 10d nails in each web.

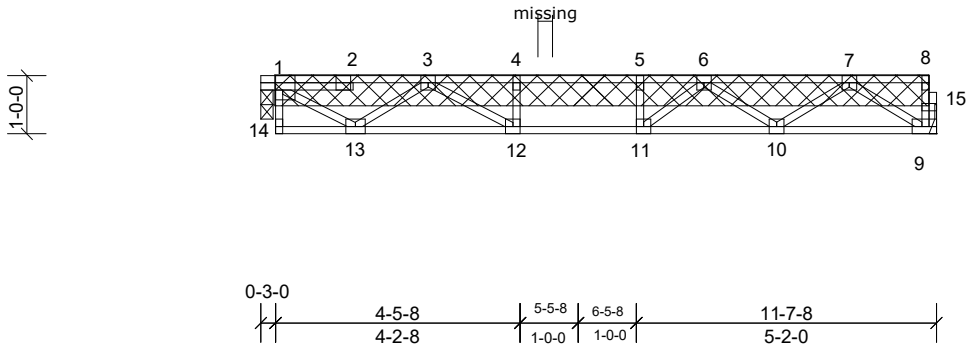


Plate Offsets (X, Y): [1:0-1-8,Edge], [8:0-2-0,Edge]											
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.49	Vert(LL)	-0.09	10-11	>999	480	MT20 244/190
TCDL	20.0	Lumber DOL	1.00	BC	0.68	Vert(CT)	-0.14	10-11	>952	360	
BCLL	0.0	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.01	9	n/a	n/a	
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 57 lb FT = 20%F, 11%E

LUMBER		BRACING	
TOP CHORD	2x4 SP No.2(flat)	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2(flat)	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3(flat)		
OTHERS	2x4 SP No.3(flat)		
REACTIONS			
	(lb/size)	1=582/0-2-8, (min. 0-1-8), 9=576/ Mechanical	
FORCES			
	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-722/0, 2-3=-718/0, 3-4=-1799/0, 4-5=-1799/0, 5-6=-1799/0, 6-7=-1299/0		
BOT CHORD	12-13=0/1343, 11-12=0/1799, 10-11=0/1708, 9-10=0/841		
WEBS	1-13=0/844, 3-13=-763/0, 3-12=0/627, 7-9=-994/0, 7-10=0/559, 6-10=-500/0, 6-11=-31/318		

- NOTES (7)
- Unbalanced floor live loads have been considered for this design.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1.
 - 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.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - CAUTION, Do not erect truss backwards.
 - 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.

