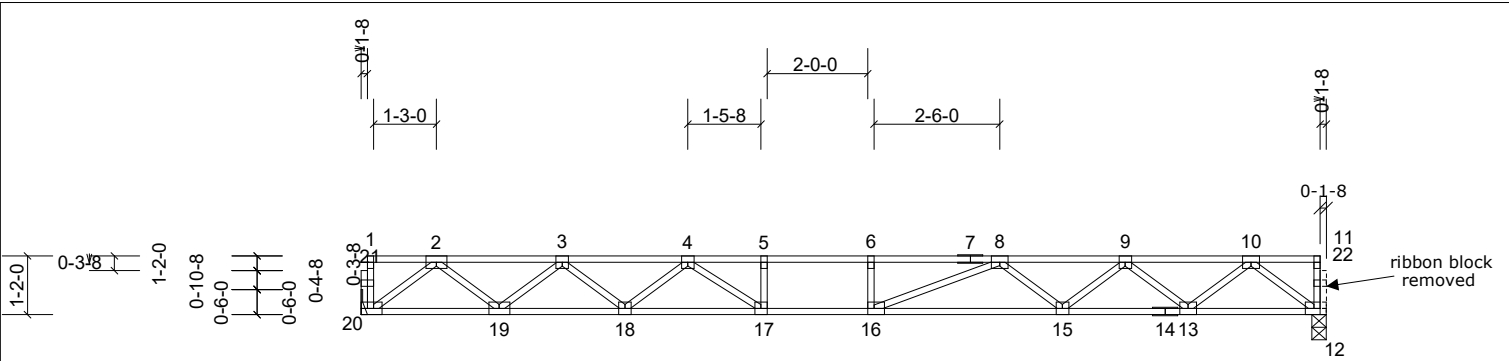


Job	Truss	Truss Type	Qty	Ply	LGI HOMES\ CRAVEN 2F W/OFFICE
72509309REP1	F102	Truss	7	1	Job Reference (optional)

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Repair to remove right end ribbon block as shown.

-Cleanly and accurately cut through lumber and plates to remove ribbon block.  
-Remaining lumber must be undamaged.  
-Remaining plates must be undamaged and fully imbedded.  
-No further truss repair required.

Plate Offsets (X, Y): [12:0-2-0,Edge], [16:0-1-8,Edge], [20:0-2-0,Edge]												
Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.78	Vert(LL)	-0.35	15-16	>644	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC		Vert(TL)	-0.56	15-16	>407	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horiz(TL)	0.08	12	n/a	n/a		
BCDL	5.0	Code	IRC2009/TP12007	Matrix-SH							Weight: 94 lb	FT = 4%F, 1%E

LUMBER				BRACING			
TOP CHORD	2x4 SP No.2(flat)			TOP CHORD	Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.		
BOT CHORD	2x4 SP No.1(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)				12=829/0-3-8, (min. 0-1-8), 20=829/ Mechanical			
FORCES				(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD				2-3=-1785/0, 3-4=-2949/0, 4-5=-3751/0, 5-6=-3751/0, 6-7=-3751/0, 7-8=-3751/0, 8-9=-2979/0, 9-10=-1778/0			
BOT CHORD				19-20=0/1041, 18-19=0/2497, 17-18=0/3396, 16-17=0/3751, 15-16=0/3412, 14-15=0/2497, 13-14=0/2497, 12-13=0/1041			
WEBS				5-17=-262/0, 8-16=-27/684, 8-15=-565/0, 9-15=0/627, 9-13=-936/0, 10-13=0/959, 10-12=-1304/0, 2-20=-1303/0, 2-19=0/969, 3-19=-927/0, 3-18=0/588, 4-18=-582/0, 4-17=0/695			

- NOTES (4)
- Unbalanced floor live loads have been considered for this design.
  - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.
  - 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.
  - 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.

