Job	Truss	Truss Type	Qty	Ply	LGI HOMES\CRAVEN RF TIMBERLAKE
72504859REP1	A2	Truss	8	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, clm — Run: 12.42 S 8.73 Jan 4 2024 Print: 8.830 S Apr 11 2025 MiTek Industries, Inc. Tue Apr 29 — Page: 1

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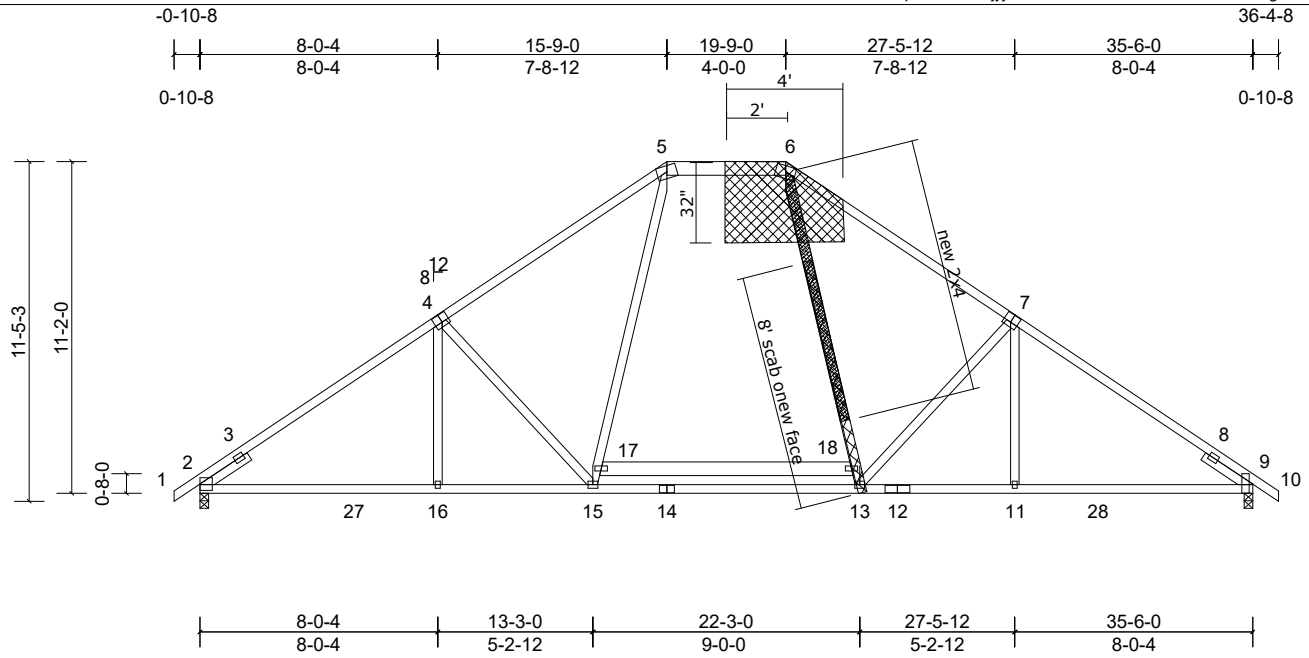

Repair for a section of web 6-13 missing starting +/- 16" from joint 18.

Cut and fit tight a new 2x4 SP or SPF No.2 section of web as shown and attach 1/2" Plywood or 7/16" OSB (APA Rated Sheathing Exposure 1) gusset to both sides of truss as shown with two rows of 10d (.131" x 3") nails spaced " oc in all members driven from one face through both sheets of plywood and attach 2x4 x 8' SP or SPF No.2 scab to one face of truss as shown with two rows of 10d nails spaced 4" oc..

Plate Offsets (X, Y): [2:Edge,0-2-9], [4:0-3-0,0-3-4], [7:0-3-0,0-3-4], [9:0-3-13,Edge]

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	0.90	Vert(LL)	-0.47	11-13	>912	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.53	15-16	>808	180	MT18HS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 218 lb	FT = 4%

LUMBER

TOP CHORD	2x4 SP No.1 *Except* T3:2x6 SP No.2, T1:2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* B1:2x4 SP No.1
WEBS	2x4 SP No.3 *Except* W4:2x6 SP No.2
SLIDER	Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0

BRACING

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 17-18

REACTIONS (lb/size) 2=1473/0-3-8, (min. 0-2-5), 9=1473/0-3-8, (min. 0-2-5)
Max Horiz 2=196 (LC 7)

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

TOP CHORD	2-3=-1011/0, 3-4=-1828/9, 4-5=-1670/43, 5-6=-1154/74, 6-7=-1670/45, 7-8=-1828/8, 8-9=-903/0
BOT CHORD	2-27=-202/1640, 16-27=-33/1640, 15-16=-33/1638, 14-15=0/1158, 13-14=0/1158, 12-13=0/1603, 11-12=0/1603, 11-28=0/1605, 9-28=0/1605
WEBS	15-17=-10/575, 5-17=-10/576, 4-15=-616/193, 6-18=-12/575, 13-18=-12/573, 7-13=-615/192

NOTES (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=110mph (3-second gust) Vasd=87mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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, with BCDL = 10.0psf.
7) 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.
8) 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.

This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFPI plant. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, erection and bracing available from SBCA and Truss Plate Institute.