Job	Truss	Truss Type	Qty	Ply	PBS\PLAN #5 CRAFTSMAN RF
72314555REP1	A1	Truss	10	1	Job Reference (optional)

18-9-0

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Chawn Duty

5-2-15

11-1-10

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Aug 14 09:13:06

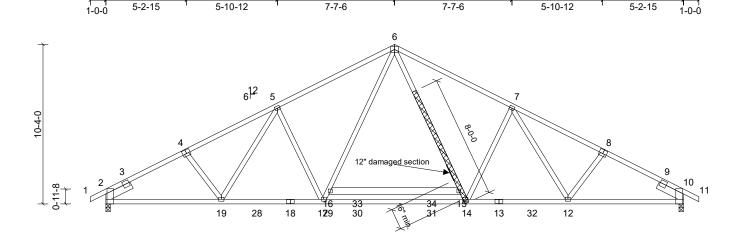
ID:gyzn?BERTdGKxxvCvb_kZbyymE8-2e31jqgMYdgHcoL_Lu1p6hBJI1zN_DN4?HRrm7yo_oT

Structural wood sheathing directly applied or 2-2-0 oc purlins

Rigid ceiling directly applied or 2-2-0 oc bracing. Except:

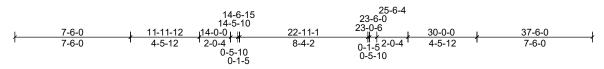
6-0-0 oc bracing: 15-16

<u>37-6-0</u>



Repair for a 12" damaged section of web, min. of 16" away from end of web, as shown.

Attach 2x4 x 8' SPF No.2 scab to each face of truss as shown with 2 rows of 10d (.131" x 3") nails 4" oc.



BOT CHORD

Plate Offsets (X, Y): [2:0-7-9.Edge], [4:0-3-0,0-3-0], [7:0-0-0,0-0-0], [8:0-3-0,0-3-0], [10:0-7-9.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	0.87	Vert(LL)	-0.32	14-17	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.62	14-17	>728	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.16	10	n/a	n/a			
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 234 lb	FT = 20%	

TOP CHORE 2x4 SP No.1 *Except* T1:2x4 SP SS TOP CHORD

BOT CHORD 2x4 SP No.1 *Except* B3:2x6 SP No.2 WEBS 2x4 SP No.3

SLIDER Left 2x6 SP No.2 -- 1-11-0, Right 2x6 SP No.2 -- 1-11-0

Max Horiz

Max Grav

REACTIONS 2=1647/0-3-8, (min. 0-1-15), 10=1647/0-3-8, (min. 0-1-15)

> Max Unlift 2=-173 (LC 10), 10=-173 (LC 11)

2=-172 (LC 11)

2=1658 (LC 2), 10=1658 (LC 2)

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

TOP CHORD 2-3=-184/304, 3-4=-2615/569, 4-5=-2519/577, 5-6=-2367/595, 6-7=-2367/595, 7-8=-2519/577, 8-9=-2615/569, 9-10=-184/304

BOT CHORD 2-19=-383/2226. 19-28=-278/2209. 18-28=-278/2209. 17-18=-278/2209. 17-29=-42/1659. 29-30=-42/1659. 30-31=-42/1659. 14-31=-42/1659. 13-14=-278/2209. 13-32=-278/2209. 12-32=-278/2209. 10-12=-383/2224. WEBS

5-17=-531/323, 16-17=-219/797, 6-16=-158/952, 6-15=-158/951, 14-15=-219/797, 7-14=-531/323

NOTES (7)

- Unbalanced roof live loads have been considered for this design. 1)
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) zone, cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60 2)
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.

 Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 173 lb uplift at joint 2 and 173 lb uplift at joint 10. 4)
- 5)
- 6) 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.
- 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. 7)



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 whe 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.

