Job	Truss	Truss Type	Qty	Ply	PBS\SMITHFIELD FC RH 2ND FL OW
72314638REP1	F208	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Kelly Langley — Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Mon Aug 07 09:28:58 — Page: 1

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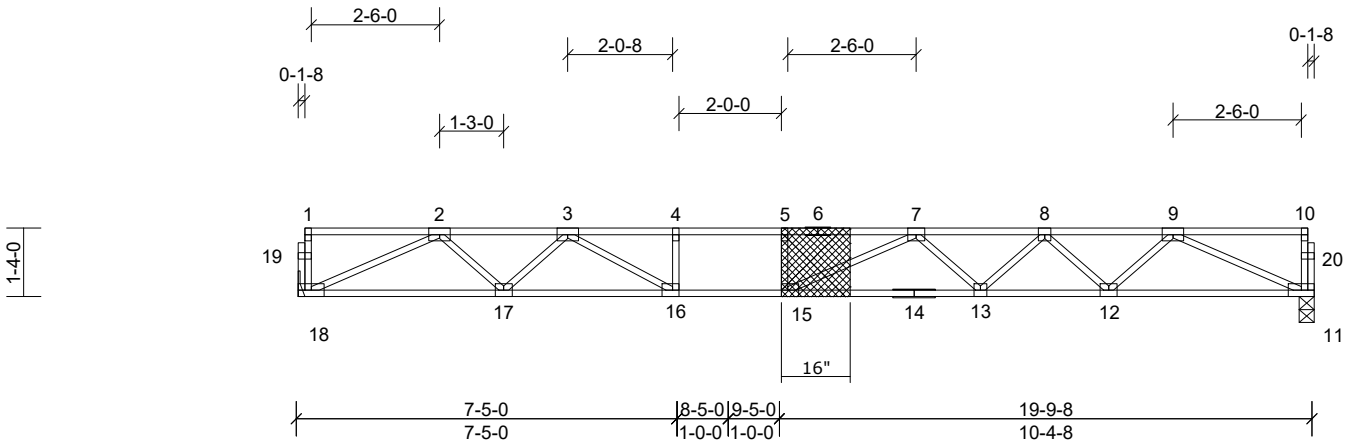

Repair for loose plate(s) at joint 5.

Attach 3/4" Plywood or OSB (23/32" APA Rated Sheathing Exposure 1) as shown to each face of truss with 10d (.131" x 3") nails spaced 3" oc in all members.

Plate Offsets (X, Y): [15:0-1-8,Edge], [16:0-1-8,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	0.80	Vert(LL)	-0.36	13-15	>651	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.50	13-15	>471	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 98 lb	FT = 20%F, 11%E

LUMBER

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP SS(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-3-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 11=854/0-3-8, (min. 0-1-8), 18=854/ Mechanical, (min. 0-1-8)

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

TOP CHORD	2-3=-2175/0, 3-4=-3374/0, 4-5=-3374/0, 5-6=-3374/0, 6-7=-3374/0, 7-8=-3055/0, 8-9=-2187/0
BOT CHORD	17-18=0/1643, 16-17=0/2702, 15-16=0/3374, 14-15=0/3338, 13-14=0/3338, 12-13=0/2713, 11-12=0/1645
WEBS	4-16=-298/0, 2-18=-1804/0, 2-17=0/740, 3-17=-733/0, 3-16=0/926, 9-11=-1806/0, 9-12=0/755, 8-12=-732/0, 8-13=0/475, 7-13=-394/0, 7-15=-250/449

NOTES

1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) 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.
4) 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.