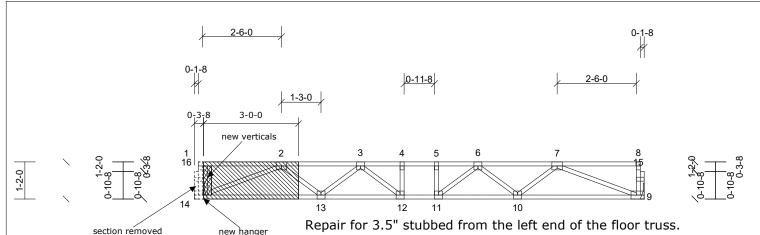
Job	Truss	Truss Type	Qty	Ply	PBS\GUILFORD TRAD B 2FLR
72418064REP1	F21	Truss	6	1	Job Reference (optional)

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

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Cut and fit tight 2 new 2x4 SPF No.2 end verticals and attach 3/4" OSB (23/32" APA Rated Sheathing Exposure 1) as shown to each face of truss with 10d (.131" x 3") nails 3" oc in all members.

14-2-8

Rigid ceiling directly applied or 10-0-0 oc bracing

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals

		1	6-7-8		[0-11-8]		(	3-7-8			1		
Plate Offsets (X, Y):	[9:0-2-0,Edge], [14	: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	0.29	Vert(LL)	-0.12	12	>999	480	MT20	244/190	
TCDL	10.0	Lumber DOL	1.00	BC	0.56	Vert(CT)	-0.16	11-12	>999	360			
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	9	n/a	n/a			
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 71 lb	FT = 20%F, 11%E	

7-7-0

BOT CHORD

LUMBER BRACING TOP CHORE 2x4 SP No.2(flat) TOP CHORD

WERS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

2v4 SP No 2(flat)

9=609/ Mechanical. (min. 0-1-8), 14=609/ Mechanical. (min. 0-1-8)

FORCES/ (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CH 2-3=-1629/0, 3-4=-2040/0, 4-5=-2040/0, 5-6=-2040/0, 6-7=-1629/0 13-14=0/1295, 12-13=0/1927, 11-12=0/2040, 10-11=0/1927, 9-10=0/1295 BOT CHORD WEBS

7-9=-1388/0, 2-14=-1388/0, 7-10=0/435, 2-13=0/435, 6-10=-388/0, 3-13=-388/0, 6-11=-69/315, 3-12=-69/315

## NOTES (4)

BOT CHORD

REACTIONS

- 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.
- 3) 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.

6-7-8

4) 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.

Job	Truss	Truss Type	Qty	Ply	PBS\GUILFORD TRAD B 2FLR
72418064REP1	F23	Truss	5	1	Job Reference (optional)

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

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Page: 1

section removed

2-6-0 2-6-0 3-0-0 new verticals 21 new hanger

Repair for 3.5" stubbed from the right end of the floor truss.

Cut and fit tight 2 new 2x4 SPF No.2 end verticals and attach 3/4" OSB (23/32" APA Rated Sheathing Exposure 1) as shown to each face of truss with 10d (.131" x 3") nails 3" oc in all members.

1	9-1-8	9-10-12	20-1-12	1	26-7-12	27-10-	34-6-0	1	
ſ	9-1-8	1 1 0-9-4	10-3-0	ſ	6-6-0	1 1 1-2-12	6-7-8	1	
	20.0.2.0 Edge] [23:0.1.8 Edge] [30:0.1.8 Edg	nel							

Plate Offsets (X, Y):	[20:0-2-0,Edge], [23	3:0-1-8,Edge], [30:0-1-8,Edge]								
Loading	(psf)	Spacing	1-7-3	CSI	DEFL	in	(loc)	l/defl	L/d	

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	0.78	Vert(LL)	-0.29	31	>817	480	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.39	31-32	>616	360	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.06	26	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 170 lb	FT = 20%F, 11%E

WERS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

LUMBER

TOP CHORE

BOT CHORD

REACTIONS

20=397/ Mechanical. (min. 0-1-8). 26=1889/0-3-8. (min. 0-1-8). 34=716/0-3-8. (min. 0-1-8)

Max Uplift 20=-12 (LC 3)

Max Grav 20=517 (LC 4), 26=1889 (LC 1), 34=747 (LC 3)

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

TOP CHORD  $2.3 - 2142/0, \ 3.4 - 2851/0, \ 4.5 - 3046/0, \ 5.6 - 3046/0, \ 5.6 - 3046/0, \ 5.6 - 3046/0, \ 5.6 - 3046/0, \ 7.8 - 1963/0, \ 8.9 - 621/426, \ 9.10 - 621/426, \ 10.11 - 9/2963, \ 11.12 - 9/2963, \ 12.13 - 628/1350, \ 13.14 - 1409/654, \ 14.15 - 1409/654, \ 15.16 - 1409/654, \ 16.17$ BOT CHORD 33-34=0/1635, 32-33=0/2616, 31-32=0/3060, 30-31=0/3046, 29-30=0/2484, 28-29=0/2484, 27-28=-1687/163, 24-25=-1667/163, 23-24=-1032/1083, 22-23=-654/1409, 21-22=-351/1474, 20-21=-97/1065

10.28=24330, 2-34=17540, 10-27=0/1107, 2-33=0/660, 8-27=-1081/0, 3-33=6/160, 8-28=0/763, 3-32=0/306, 7-28=-725/0, 4-32=-272/1, 7-30=0/862, 4-31=-354/227, 12-26=-1922/0, 18-20=-1141/106, 12-24=0/786, 18-21=-122/300, 13-24=-800/0, 13-23=0/826, 17-22=-5330, 15-23=-359/0

BRACING

TOP CHORD

BOT CHORD

WEBS NOTES (8)

2x4 SP No.1(flat)

2v4 SP No 2(flat)

(lb/size)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated
- 3) All plates are 3x3 MT20 unless otherwise indicated.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 20.
- 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.
- 6) 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 estrained by other means.
- 7) 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. 8)



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals

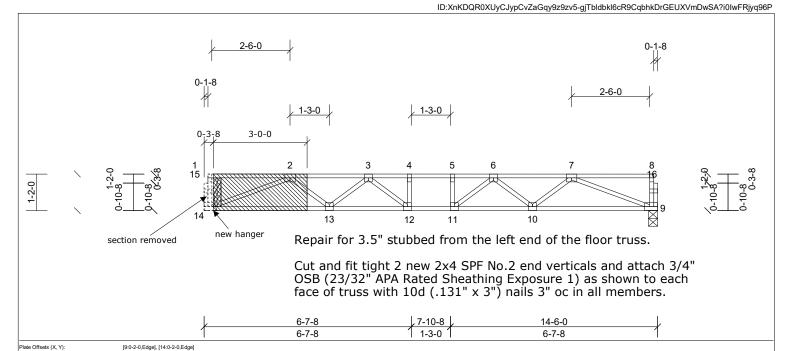
Rigid ceiling directly applied or 6-0-0 oc bracing

Job	Truss	Truss Type	Qty	Ply	PBS\GUILFORD TRAD B 2FLR
72418064REP1	F26	Truss	2	1	Job Reference (optional)

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

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jul 24 2024 MiTek Industries, Inc. Wed Aug 07 19:51:00

Page: 1



Loading	(psf)	Spacing	1-7-3	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	тс	0.29	Vert(LL)	-0.12	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.59	Vert(CT)	-0.17	11-12	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.04	9	n/a	n/a		
BCDI	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 72 lb	FT = 20%F 11%F

BOT CHORD

LUMBER BRACING TOP CHORE 2x4 SP No.2(flat) TOP CHORD

BOT CHORD 2v4 SP No 2(flat) WERS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

9=622/0-3-8. (min. 0-1-8). 14=622/ Mechanical. (min. 0-1-8)

forces (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CH 2-3=-1677/0, 3-4=-2122/0, 4-5=-2122/0, 5-6=-2122/0, 6-7=-1677/0 BOT CHORD 13-14=0/1327, 12-13=0/1989, 11-12=0/2122, 10-11=0/1989, 9-10=0/1327 WEBS

7-9=-1422/0, 2-14=-1422/0, 7-10=0/455, 2-13=0/455, 6-10=-407/0, 3-13=-407/0, 6-11=-55/352, 3-12=-55/352

## NOTES (4)

REACTIONS

- 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.
- 3) 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.
- 4) 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.



Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals

Rigid ceiling directly applied or 10-0-0 oc bracing

PBS\GUILFORD TRAD B 2FLR Job Truss Truss Type Qty Ply FK21 72418064REP1 Truss 1 Job Reference (optional)

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

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n/a

0.00

Page: 1

FT = 20%F. 11%E

new end vertical 19 20 stubbed section Repair for the end of the kneewall stubbed as shown. Install a new 2x4 SPF end vertical per the wall provisions of the building code. 9-2-8 9-2-8 late Offsets (X, Y) [8:0-1-8,Edge] Loadin (psf) 1-7-3 CS DEFL PLATES GRIP

> 0.07 Vert(TL)

0 14

BOT CHORD

Horiz(TL)

LUMBER BRACING TOP CHORE 2x4 SP No.2(flat) TOP CHORD

BOT CHORD 2v4 SP No 2(flat) WERS 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)

REACTIONS All bearings 9-2-8 (lb) - Max Grav

All reactions 250 (lb) or less at joint(s) 15 except 9=259 (LC 3), 10=454 (LC 4), 11=528 (LC 4), 12=308 (LC 4), 13=518 (LC 4), 14=561 (LC 3), 16=635 (LC 3)

1.00

1.00 вс

YES WB

Matrix-F

IRC2015/TPI2014

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

TOP CHORD 16-17=-624/0, 1-17=-622/0, 9-18=-264/0, 8-18=-261/0

WFBS 3-14=-547/0, 4-13=-507/0, 5-12=-296/0, 6-11=-518/0, 7-10=-437/0

10.0

0.0

5.0

## NOTES (9)

TCDL

BCLL

BCDL

- Unbalanced floor live loads have been considered for this design. 1)
- 2) All plates are 1.5x3 MT20 unless otherwise indicated.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).

Plate Grip DOL

Lumber DOL

Rep Stress Inc

- 5) Gable studs spaced at 1-4-0 oc.
- 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.
- 7) 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.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 613 lb down at 0-2-4, 607 lb down at 2-5-4, 607 lb down at 4-5-4, and 607 lb
- down at 6-5-4, and 608 lb down at 8-5-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.

  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. 9) LOAD CASE(S)

Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (lb/ft)

Vert: 9-16=-8, 1-8=-80

Vert: 1=-301, 3=-295, 6=-295, 19=-295, 20=-298



999

n/a 999

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals

Rigid ceiling directly applied or 10-0-0 oc bracing