HH HUNT\GRAYSON BUNGALOW A LH RF Job Truss Truss Type Qty FT202 72406405REP1 Truss 4 Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MM2

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Fri Jul 12 16:10:10

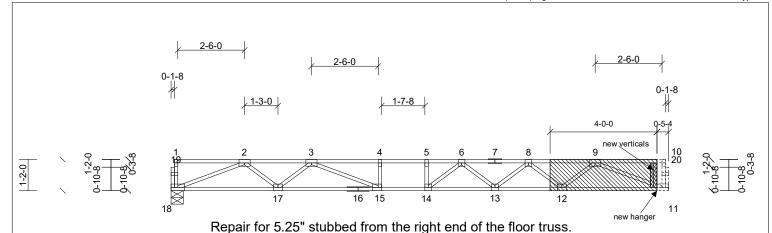
18-7-8

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

Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals

Page: 1

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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.

BRACING

TOP CHORD

BOT CHORD

Plate Offsets (X, Y):	[15:0-1-8,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	0.69	Vert(LL)	-0.31	13-14	>702	360	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.83	Vert(CT)	-0.43	13-14	>510	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.07	11	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 91 lb	FT = 20%F, 12%E
		I .		1								

OTHERS

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

TOP CH 2-3=-2353/0, 3-4=-3519/0, 4-5=-3519/0, 5-6=-3519/0, 6-7=-3199/0, 7-8=-3199/0, 8-9=-2352/0 17-18=0/1779, 16-17=0/2892, 15-16=0/2892, 14-15=0/3519, 13-14=0/3470, 12-13=0/2894, 11-12=0/1778 WEBS

11=803/0-3-8. (min. 0-1-8). 18=803/0-5-8. (min. 0-1-8)

9-11=-1907/0, 2-18=-1908/0, 9-12=0/747, 2-17=0/747, 8-12=-706/0, 3-17=-701/0, 8-13=0/397, 3-15=0/848, 6-13=-353/0, 6-14=-227/407

7-10-8

## NOTES (5)

LUMBER

TOP CHORE

BOT CHORE

REACTIONS

WEBS

- All plates are MT20 plates unless otherwise indicated.

2x4 SP No.2(flat)

2x4 SP No.1(flat)

2x4 SP No.3(flat)

- 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
- 5) 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.



Job	Truss	Truss Type	Qty	Ply	HH HUNT\GRAYSON BUNGALOW A LH RF
72406405REP1	FT203	Truss	5	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, MM2

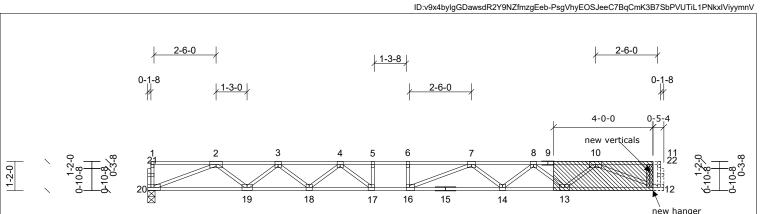
Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Fri Jul 12 16:10:08

20-9-8

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

Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals

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Repair for 5.25" 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.

10-5-0

BRACING

TOP CHORD

BOT CHORD

			9-1-8		11-3-8		1	J-4-8				I
Plate Offsets (X, Y):	[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	0.86	Vert(LL)	-0.48	14-16	>518	360	MT18HS	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.66	14-16	>374	240	MT20	244/190
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.09	12	n/a	n/a		
BCDL	5.0	Code	IRC2015/TPI2014	Matrix-SH							Weight: 102 lb	FT = 20%F, 12%E

OTHERS

\*FORCES

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CH 2-3=-2707/0, 3-4=-3766/0, 4-5=-4423/0, 5-6=-4423/0, 6-7=-4423/0, 7-8=-3794/0, 8-9=-2701/0, 9-10=-2701/0

BOT CHORD 19-20=0/2017, 18-19=0/3359, 17-18=0/4171, 16-17=0/4423, 15-16=0/4185, 14-15=0/4185, 13-14=0/3359, 12-13=0/2017 WEBS

12=899/0-3-8. (min. 0-1-8). 20=899/0-3-8. (min. 0-1-8)

10-12=-2164/0, 2-20=-2165/0, 10-13=0/891, 2-19=0/899, 8-13=-856/0, 3-19=-848/0, 8-14=0/566, 3-18=0/530, 7-14=-509/0, 4-18=-527/0, 7-16=-156/611, 4-17=-95/601

## NOTES (5)

LUMBER

WERS

TOP CHORE

BOT CHORD

REACTIONS

- All plates are MT20 plates unless otherwise indicated.

2x4 SP No.2(flat)

2v4 SP No 1(flat)

2x4 SP No.3(flat)

- 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
- 5) 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.

