Job	Truss	Truss Type	Qty	Ply	SD - COLEMAN BEH RF (NO TRAY)
72416327REP1	A03H	Truss	2	1	Job Reference (optional)

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Chawn Duty — Run: 8.51 S Oct 22 2021 Print: 8.810 S Sep 13 2024 MiTek Industries, Inc. Thu Nov 14 13:32:00 — Page: 1

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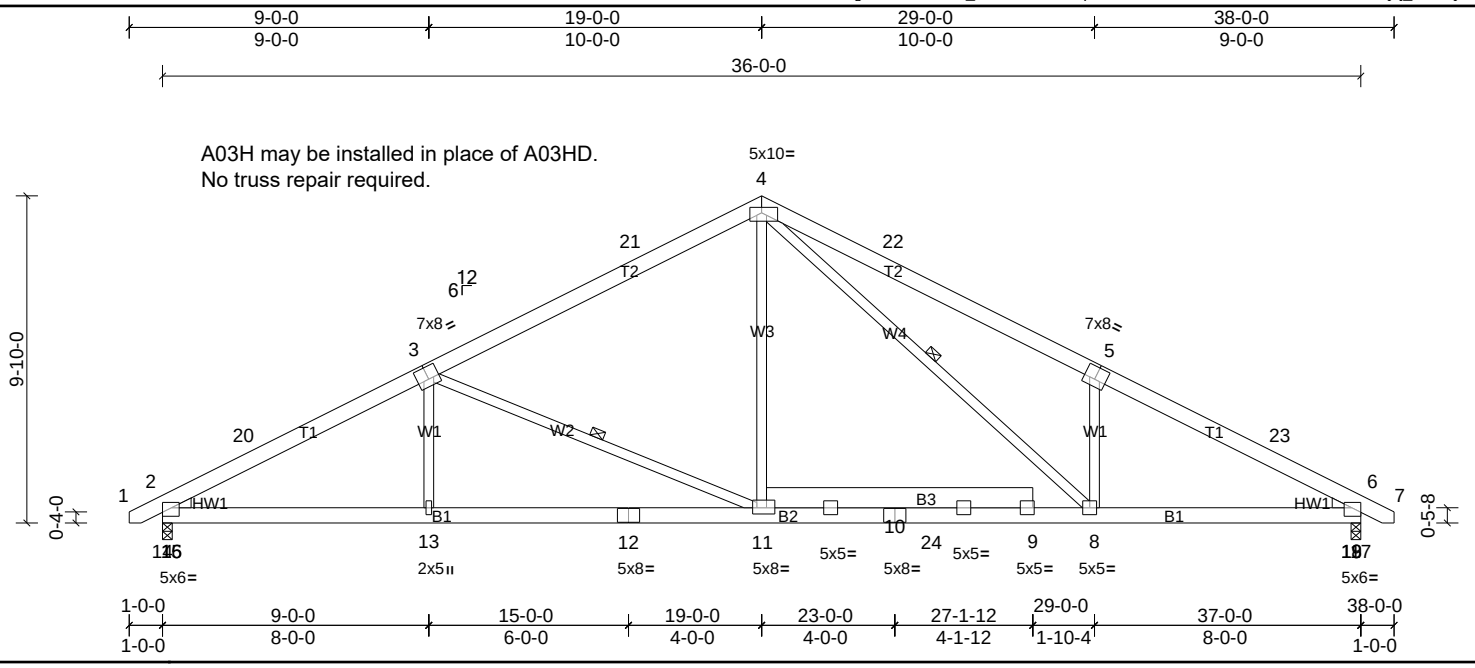

Plate Offsets (X, Y): [2:Edge,0-1-7], [3:0-4-0,0-4-8], [4:0-4-4,0-2-0], [5:0-4-0,0-4-8], [6:Edge,0-1-7], [11:0-1-8,0-2-4]

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	0.70	Vert(LL)	-0.11	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.22	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 270 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1 *Except* T1:2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x8 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-10-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-8, 3-11

REACTIONS (lb/size) 2=1489/0-3-8, (min. 0-1-12), 6=1489/0-3-8, (min. 0-1-12)
Max Horiz 2=128 (LC 10)
Max Uplift 2=-71 (LC 10), 6=-71 (LC 11)

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

TOP CHORD	2-20=-2503/123, 3-20=-2319/151, 3-21=-1760/159, 4-21=-1585/183, 4-22=-2335/292, 5-22=-2509/268, 5-23=-2305/154, 6-23=-2489/127
BOT CHORD	2-13=-168/2148, 12-13=-147/2150, 11-12=-147/2150, 10-11=0/1446, 10-24=0/1452, 9-24=0/1451, 8-9=0/1451, 6-8=-39/2135
WEBS	4-11=0/678, 5-8=-558/275, 4-8=-252/980, 3-13=0/312, 3-11=-812/202

NOTES (7)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-9-14 to 2-9-6, Interior (1) 2-9-6 to 14-4-13, Exterior (2) 14-4-13 to 21-7-3, Interior (1) 21-7-3 to 33-2-10, Exterior (2) 33-2-10 to 36-9-14 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 2 and 71 lb uplift at joint 6.
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) 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	SD - COLEMAN BEH RF (NO TRAY)
72416327REP1	A03HD	Truss	1	1	Job Reference (optional)

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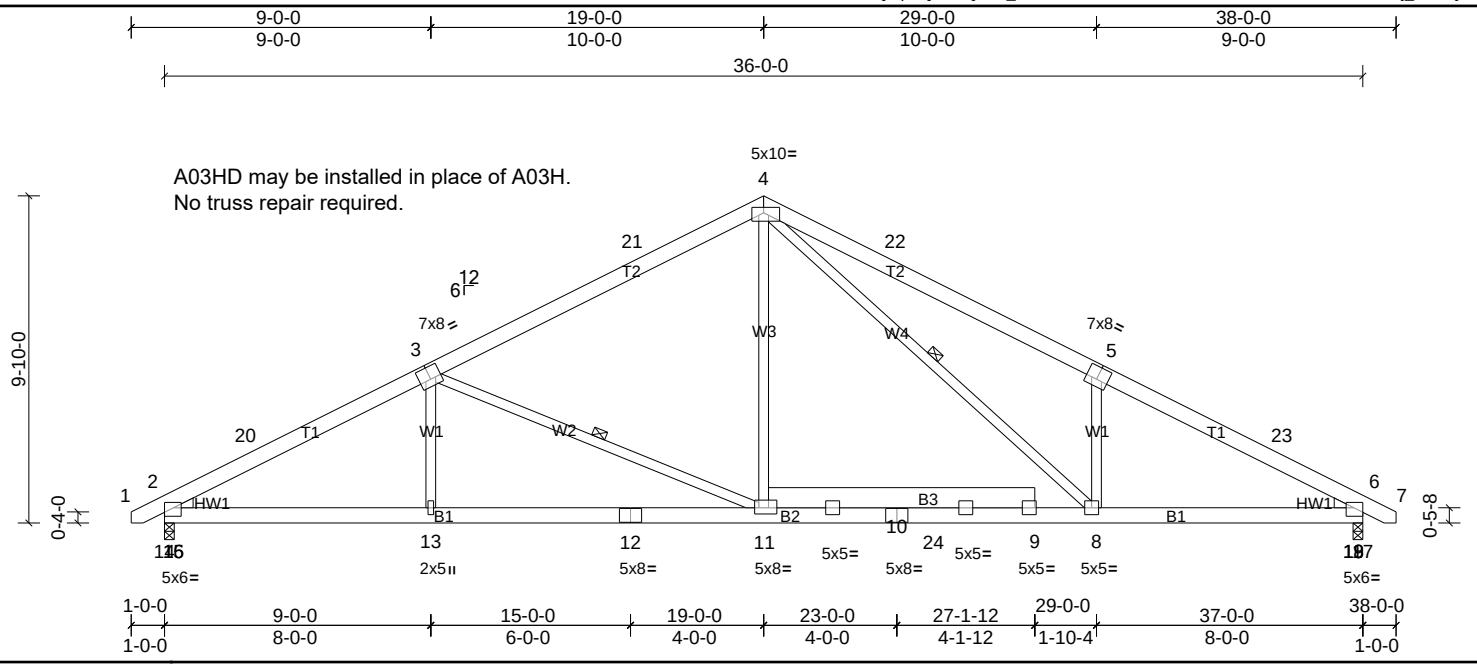

Plate Offsets (X, Y): [2:Edge,0-1-7], [3:0-4-0,0-4-8], [4:0-4-4,0-2-0], [5:0-4-0,0-4-8], [6:Edge,0-1-7], [11:0-1-8,0-2-4]

Loading	(psf)	Spacing	2-3-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.12	8-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.25	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH							Weight: 270 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.1 *Except* T1:2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* B3:2x8 SP No.2
WEBS	2x4 SP No.3
WEDGE	Left: 2x4 SP No.2 Right: 2x4 SP No.2

BRACING

TOP CHORD	2-0-0 oc purlins (3-3-12 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-8, 3-11

REACTIONS (lb/size) 2=1675/0-3-8, (min. 0-2-0), 6=1675/0-3-8, (min. 0-2-0)
Max Horiz 2=145 (LC 10)
Max Uplift 2=-80 (LC 10), 6=-80 (LC 11)

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

TOP CHORD	2-20=-2816/139, 3-20=-2609/170, 3-21=-1980/179, 4-21=-1784/206, 4-22=-2626/329, 5-22=-2823/301, 5-23=-2593/173, 6-23=-2800/142
BOT CHORD	2-13=-189/2416, 12-13=-165/2419, 11-12=-165/2419, 10-11=0/1627, 10-24=0/1634, 9-24=0/1632, 8-9=0/1633, 6-8=-44/2402
WEBS	4-11=0/763, 4-8=-283/1103, 5-8=-627/309, 3-13=0/351, 3-11=-914/227

NOTES (8)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior (2) -0-9-14 to 2-9-6, Interior (1) 2-9-6 to 14-4-13, Exterior (2) 14-4-13 to 21-7-3, Interior (1) 21-7-3 to 33-2-10, Exterior (2) 33-2-10 to 36-9-14 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 80 lb uplift at joint 2 and 80 lb uplift at joint 6.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
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.