

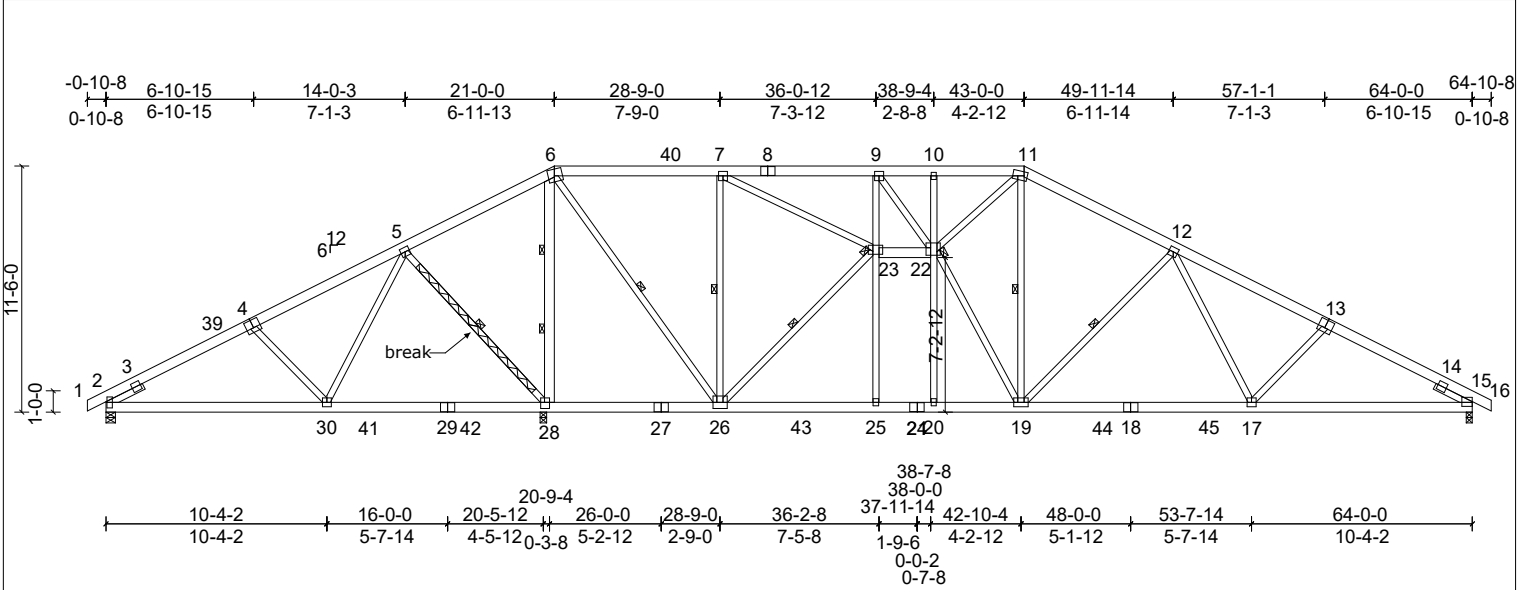
Job 72331508REP1	Truss A3	Truss Type Truss	Qty 2	Ply 1	Pro Bldrs / Clayton Craftsman - GL Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, clm

Run: 8.62 S Sep 22 2022 Print: 8.620 S Sep 22 2022 MiTek Industries, Inc. Fri Nov 03 16:28:07

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Repair for a break in the web where indicated.

Attach 2x4 x 8' SP or SPF No.2 scab to each face of truss centered on break with 2 rows of 10d (.131" x 3") nails spaced 4" oc

Plate Offsets (X, Y): [2:0-3-6,0-0-8], [4:0-4-0,0-4-8], [6:0-3-8,0-3-12], [11:0-1-12,0-2-4], [13:0-4-0,0-4-8], [15:Edge,0-2-10], [20:0-5-6,0-0-4], [22:0-2-8,0-4-4], [23:0-5-8,0-1-12], [28:0-3-8,0-2-4]

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	Vert(LL)	-0.24	17-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.45	17-19	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	Horz(CT)	0.21	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH						Weight: 554 lb	FT = 20%

LUMBER	TOP CHORD	2x6 SP No.2	BOT CHORD	2x6 SP No.2 "Except" B4:2x4 SP No.3	WEBS	2x4 SP No.3 "Except" W5:2x4 SP No.2, W4:2x6 SP No.2	SLIDER	Left 2x4 SP No.3 - 1-11-0, Right 2x4 SP No.3 - 1-11-0	REACTIONS	(lb/size)	2=298(0-5-4), (min. 0-1-8), 15=1301(0-3-8), (min. 0-1-9), 28=4780(0-3-8), (req. 0-5-10)	Max Horiz	2=191 (LC 15)	Max Uplift	2=304 (LC 10), 15=278 (LC 11), 28=381 (LC 7)	Max Grav	2=495 (LC 21), 15=1316 (LC 22), 28=4780 (LC 1)	BRACING	TOP CHORD	Structural wood sheathing directly applied or 4-7-11 oc purlins, except 2-0-0 oc purlins (5-7-0 max.); 6-11,	BOT CHORD	Rigid ceiling directly applied or 4-10-11 oc bracing. Except:	WEBS	6-0-0 oc bracing: 20-22 10-0-0 oc bracing: 23-25 1 Row at midpt	5-28, 7-26, 23-26, 11-19, 12-19, 6-26	WEBS	2 Rows at 1/3 pts	6-28	JOINTS	1 Brace at J(15); 22, 23
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FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-256/266, 3-39=-309/708, 4-39=-117/1056, 4-5=-96/1347, 5-6=-116/2488, 6-40=0/592, 7-8=-1113/330, 8-9=-1113/330, 9-10=-1659/429, 10-11=-1664/432, 11-12=-1026/517, 12-13=-1796/619, 13-14=-2019/645, 14-15=-788/103
BOT CHORD	2-30=-639/410, 30-41=-1645/268, 29-41=-1645/268, 29-42=-1645/268, 28-42=-1645/268, 27-28=-2054/498, 26-27=-2054/498, 9-23=-1047/292, 22-23=-14/1129, 19-44=-258/1333, 18-45=-258/1333, 17-45=-258/1333, 15-17=-442/1728
WEBS	4-30=-1084/429, 5-30=-219/1203, 5-28=-1057/429, 7-26=-1597/330, 23-26=-723/277, 7-23=-411/1753, 9-22=-172/948, 19-22=-31/1633, 11-22=-36/1150, 11-19=-688/50, 12-19=-749/354, 12-17=-47/536, 13-17=-296/244, 6-26=-526/2694, 6-28=-3800/707

- NOTES (14)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=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
 - WARNING:** This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 5x5 MT20 unless otherwise indicated.
 - 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.
 - WARNING:** Required bearing size at joint(s) 28 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 304 lb uplift at joint 2, 381 lb uplift at joint 28 and 278 lb uplift at joint 15.
 - 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.
 - Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 750 lb down and 193 lb up at 5-4-12, and 350 lb down and 90 lb up at 26-5-8 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.

LOAD CASE(S)	Standard
1)	Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (lb/ft)
	Vert: 1-6=-60, 6-11=-60, 11-16=-60, 25-31=-20, 24-25=-20, 22-23=-20, 20-21=-20, 20-35=-20
	Concentrated Loads (lb)
	Vert: 39=-750, 40=-350



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.



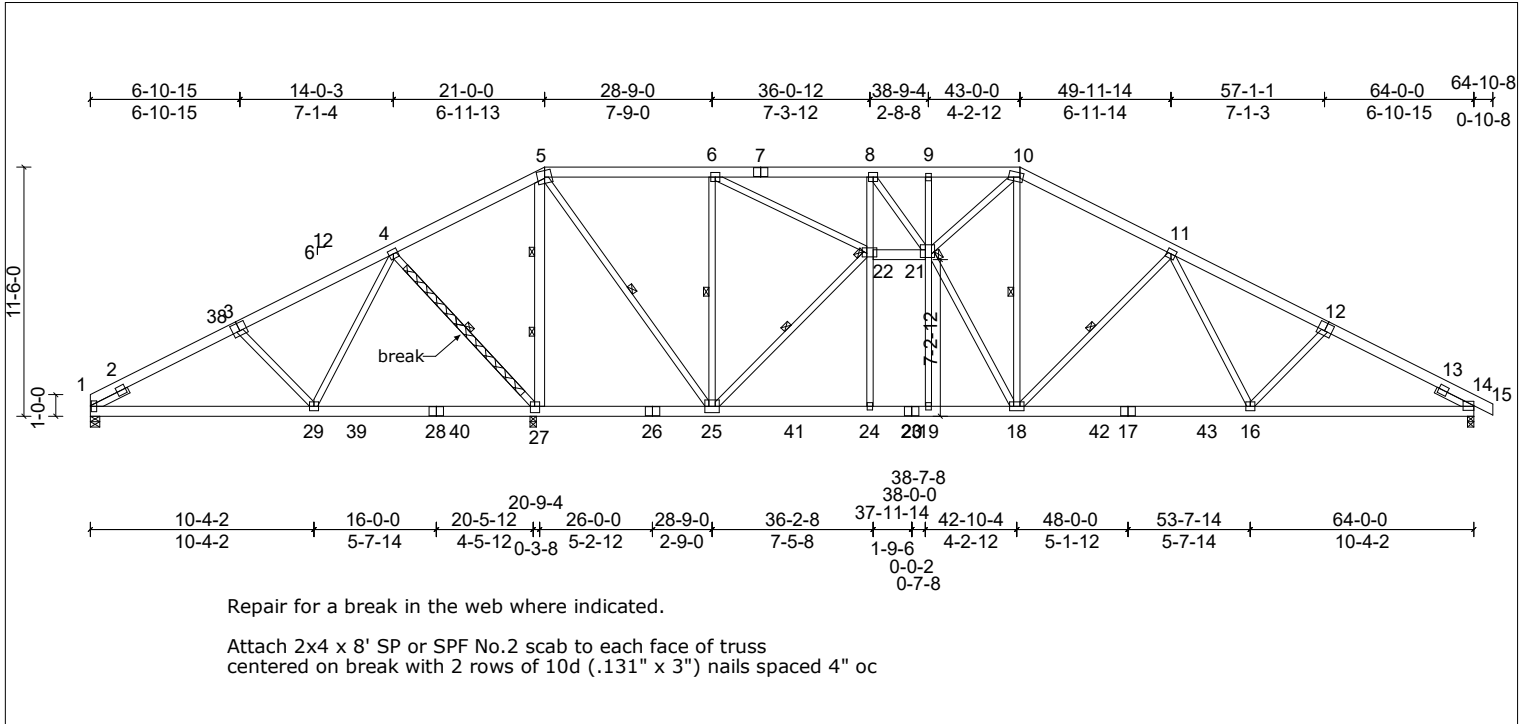
Job 72331508REP1	Truss A4	Truss Type Truss	Qty 1	Ply 1	Pro Bldrs / Clayton Craftsman - GL Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, clm

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Repair for a break in the web where indicated.

Attach 2x4 x 8' SP or SPF No.2 scab to each face of truss centered on break with 2 rows of 10d (.131" x 3") nails spaced 4" oc

Plate Offsets (X, Y): [1:0-3-6.0-0-8], [3:0-4-0.0-4-8], [10:0-1-12.0-2-4], [12:0-4-0.0-4-8], [14:Edge,0-2-10], [19:0-5-6.0-0-4], [21:0-2-12.0-4-4], [22:0-5-8.0-2-0], [27:0-3-8.0-2-4]

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	Vert(LL)	-0.23	16-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.43	16-18	>999	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	Horz(CT)	0.18	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH						Weight: 552 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-8-11 oc purlins, except 2-0-0 oc purlins (5-10-9 max.); 5-10.
BOT CHORD	2x6 SP No.2 "Except" B4.2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 4-11-7 oc bracing. Except:
WEBS	2x4 SP No.3 "Except" W4.2x6 SP No.2	WEBS	6-0-0 oc bracing: 19-21 10-0-0 oc bracing: 22-24 1 Row at midpt
SLIDER	Left 2x4 SP No.3 -- 1-11-0, Right 2x4 SP No.3 -- 1-11-0	WEBS	4-27, 6-25, 22-25, 10-18, 11-18, 5-25
REACTIONS	(lb/size) 1=258/0-5.4, (min. 0-1-8), 14=1276/0-3-8, (min. 0-1-8), 27=4443/0-3-8, (req. 0-5-4)	WEBS	2 Rows at 1/3 pts
	Max Horiz 1=199 (LC 11)	JOINTS	1 Brace at Jt(s): 21, 22
	Max Uplift 1=286 (LC 10), 14=273 (LC 11), 27=313 (LC 7)		
	Max Grav 1=454 (LC 21), 14=1291 (LC 22), 27=4443 (LC 1)		
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-372/122, 2-38=-389/598, 3-38=-175/930, 3-4=-73/1231, 4-5=-90/2390, 5-6=0/685, 6-7=-950/289, 7-8=-500/289, 8-9=-1491/387, 9-10=-1498/390, 10-11=-972/503, 11-12=-1746/607, 12-13=-1971/633, 13-14=-773/99		
BOT CHORD	1-29=-540/491, 29-39=-1528/244, 28-39=-1528/244, 28-40=-1528/244, 26-27=-1983/480, 25-26=-1983/480, 8-22=-1127/312, 21-22=0/962, 18-42=-246/1287, 17-42=-246/1287, 16-43=-246/1287, 14-16=-431/1686		
WEBS	3-29=-1121/440, 4-29=-222/1209, 4-27=-1116/444, 6-25=-1252/252, 22-25=-865/313, 6-22=-27/1684, 8-21=-17/1945, 18-21=-8/1540, 10-21=-1/988, 10-18=-607/33, 11-18=-750/354, 11-16=-48/541, 12-16=-299/245, 25-25=-449/2396, 5-27=-3413/607		

- NOTES (14)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=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
 - WARNING:** This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 5x5 MT20 unless otherwise indicated.
 - 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.
 - WARNING:** Required bearing size at joint(s) 27 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 1, 313 lb uplift at joint 27 and 273 lb uplift at joint 14.
 - 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.
 - Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 750 lb up at 6-3-4 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.

LOAD CASE(S)	Standard
1)	Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (lb/ft)
	Vert: 1-5=60, 5-10=60, 10-15=60, 24-30=20, 23-24=20, 21-22=20, 19-20=20, 19-34=20
	Concentrated Loads (lb)
	Vert: 38=-750



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.



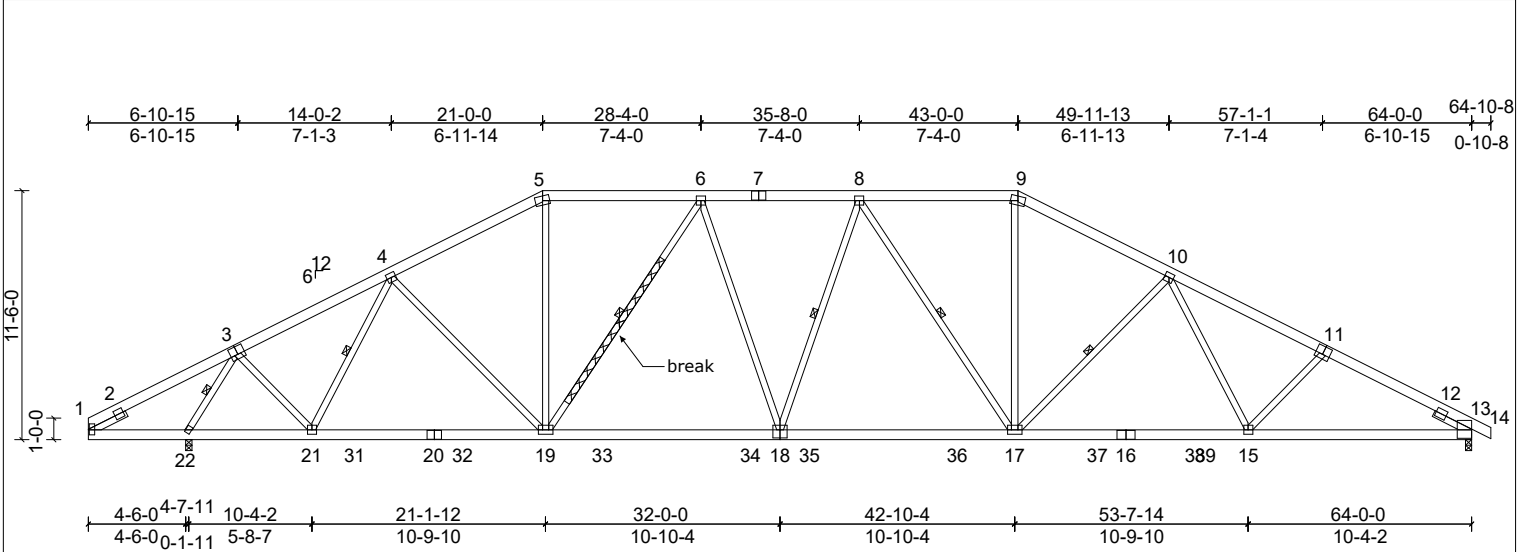
Job 72331508REP1	Truss A5L	Truss Type Truss	Qty 1	Ply 1	Pro Bldrs / Clayton Craftsman - GL Job Reference (optional)
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Repair for a break in the web where indicated.

Attach 2x4 x 8' SP or SPF No.2 scab to each face of truss centered on break with 2 rows of 10d (.131" x 3") nails spaced 4" oc

Plate Offsets (X, Y): [1:0-2-12:0-0-8], [3:0-4-0:0-4-8], [11:0-4-0:0-4-8], [18:0-4-0:0-4-8]

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	Vert(LL)	-0.36	15-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.67	15-17	>999	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr		WB	Horz(CT)	0.19	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH						Weight: 496 lb	FT = 20%

LUMBER		BRACING	
TOP CHORD	2x6 SP No.2 *Except* T5:2x6 SP SS	TOP CHORD	Structural wood sheathing directly applied or 2-9-12 oc purins, except
BOT CHORD	2x6 SP No.1	BOT CHORD	2-0-0 oc purins (3-9-8 max.); 5-9;
WEBS	2x4 SP No.3	WEBS	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
SLIDER	Left 2x4 SP No.3 - 1-11-0, Right 2x4 SP No.3 - 1-11-0		6-0-0 oc bracing: 1-22;
			1 Row at midpt
			6-19, 8-18, 10-17, 8-17, 3-22, 4-21

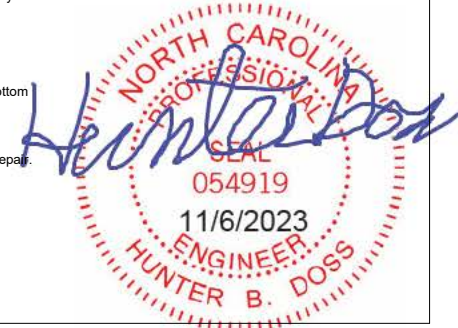
REACTIONS	(lb/size)	
	13=2596/0-3-8, (min. 0-3-1), 22=2801/0-3-8, (min. 0-3-5)	
Max Horiz	22=-199 (LC 13)	
Max Uplift	13=-337 (LC 9), 22=-293 (LC 8)	
Max Grav	13=2596 (LC 1), 22=2832 (LC 2)	

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

TOP CHORD	
	1-2=-185/377, 2-3=-25/372, 3-4=-2619/275, 4-5=-3220/383, 5-6=-2817/367, 6-7=-3511/443, 7-8=-3511/443, 8-9=-3292/443, 9-10=-3756/468, 10-11=-4472/582, 11-12=-4619/599, 12-13=-1623/88
BOT CHORD	
	21-22=-242/1340, 21-31=-263/2654, 20-31=-263/2654, 20-32=-263/2654, 19-32=-263/2654, 19-33=-312/3360, 33-34=-312/3360, 18-34=-312/3360, 18-35=-295/3520, 35-36=-295/3520, 17-36=-295/3520, 17-37=-272/3768, 16-37=-272/3768, 16-38=-272/3768, 38-39=-272/3768, 15-39=-272/3768, 13-15=-422/3993
WEBS	
	5-19=-40/1073, 6-19=-1079/277, 6-18=-32546, 9-17=-69/1329, 10-17=-793/357, 10-15=-106/504, 8-17=-560/257, 3-22=-3067/328, 3-21=-30/1387, 4-21=-904/154, 4-19=-84/351

- NOTES (13)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) exterior zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - WARNING: This long span truss requires extreme care and experience for proper and safe handling and erection. For general handling and erection guidance, see Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses ("BCSI"), jointly produced by SBCA and TPI. The building owner or the owner's authorized agent shall contract with a qualified registered design professional for the design and inspection of the temporary installation restraint/bracing and the permanent individual truss member restraint/bracing. MiTek assumes no responsibility for truss manufacture, handling, erection, or bracing.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - 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 337 lb uplift at joint 13 and 293 lb uplift at joint 22.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Use MiTek HUS26-2 (With 4-16d nails into Girder & 4-16d nails into Truss) or equivalent at 51-2-8 from the left end to connect truss(es) RFG1 (2 ply 2x6 SP) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - 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.

LOAD CASE(S)	Standard
1)	Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
	Uniform Loads (lb/ft)
	Vert: 1-5=-60, 5-9=-60, 9-14=-60, 23-27=-20
	Concentrated Loads (lb)
	Vert: 38=-225



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.



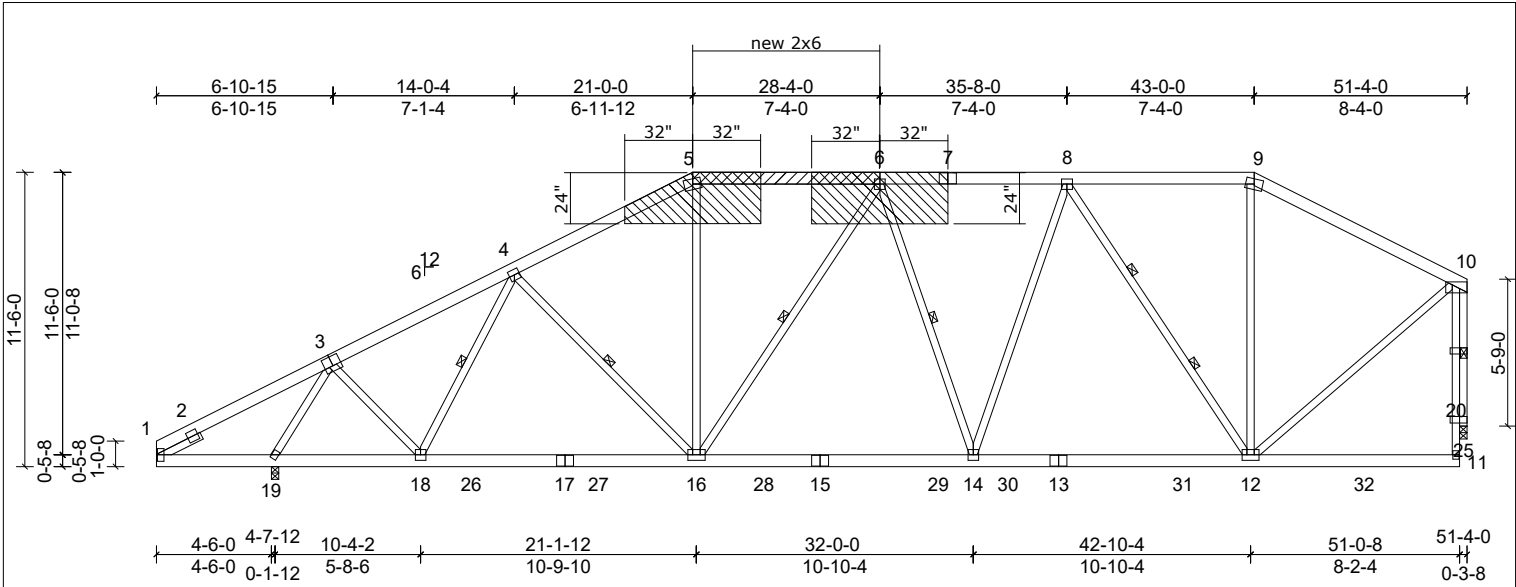
Job 72331508REP1	Truss A6	Truss Type Truss	Qty 1	Ply 1	Pro Bldrs / Clayton Craftsman - GL Job Reference (optional)
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Repair to replace section of top chrd as shown

Cut and fit tight a new 2x6 SP or SPF No.2
Attach 1/2" Plywood or 7/16" OSB (APA Rated Sheathing Exposure 1) gusset
to both sides of truss as shown with two rows of 10d (.131" x 3") nails
spaced 4" oc in all members from each face, driven through both sheets of plywood.

Plate Offsets (X, Y): [1:0-3-0-0-0-8], [3:0-4-0-0-4-8], [10:0-3-0-0-1-4], [20:0-3-8-0-1-8], [20:0-3-8-0-1-8]

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	Vert(LL)	-0.16	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.28	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	Horz(CT)	0.09	25	n/a	n/a		
BCDL	10.0	Code	IRC2015/TP12014	Matrix-MSH						Weight: 427 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-13 max.); 5-9.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.3	WEBS 6-0-0 oc bracing: 1-19. 1 Row at midpt
OTHERS 2x4 SP No.3	WEBS 2 Rows at 1/3 pts
SLIDER Left 2x4 SP No.3 -- 1-11-0	WEBS 8-12
REACTIONS (lb/size) 19=2245/0-3-8, (min. 0-2-11), 25=1827/0-3-8, (min. 0-1-8) Max Horiz 19=334 (LC 10) Max Uplift 19=255 (LC 10), 25=177 (LC 6) Max Grav 19=2254 (LC 2), 25=1976 (LC 2)	
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-219/342, 2-3=-188/389, 3-4=-1958/447, 4-5=-2248/603, 5-6=-1942/594, 6-7=-2077/585, 7-8=-2077/585, 8-9=-1267/420, 9-10=-1498/390 BOT CHORD 1-19=-259/234, 18-19=-395/993, 18-26=-534/1924, 17-26=-534/1924, 17-27=-534/1924, 16-27=-534/1924, 16-28=-460/2115, 15-28=-460/2115, 15-29=-460/2115, 14-29=-460/2115, 14-30=-399/1886, 13-30=-399/1886, 13-31=-399/1886, 12-31=-399/1886 WEBS 5-16=-616/39, 6-16=-435/198, 8-14=-286/27, 8-12=-1172/286, 9-12=0/340, 10-12=-286/1543, 3-19=-2420/664, 3-18=-70/1021, 4-18=-598/210, 10-25=-1979/445	

- NOTES (11)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=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 exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are 5x8 MT20 unless otherwise indicated.
 - 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.
 - Bearing at joint(s) 25 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 255 lb uplift at joint 19 and 177 lb uplift at joint 25.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R602.10.2 and referenced standard ANSI/TP1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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.



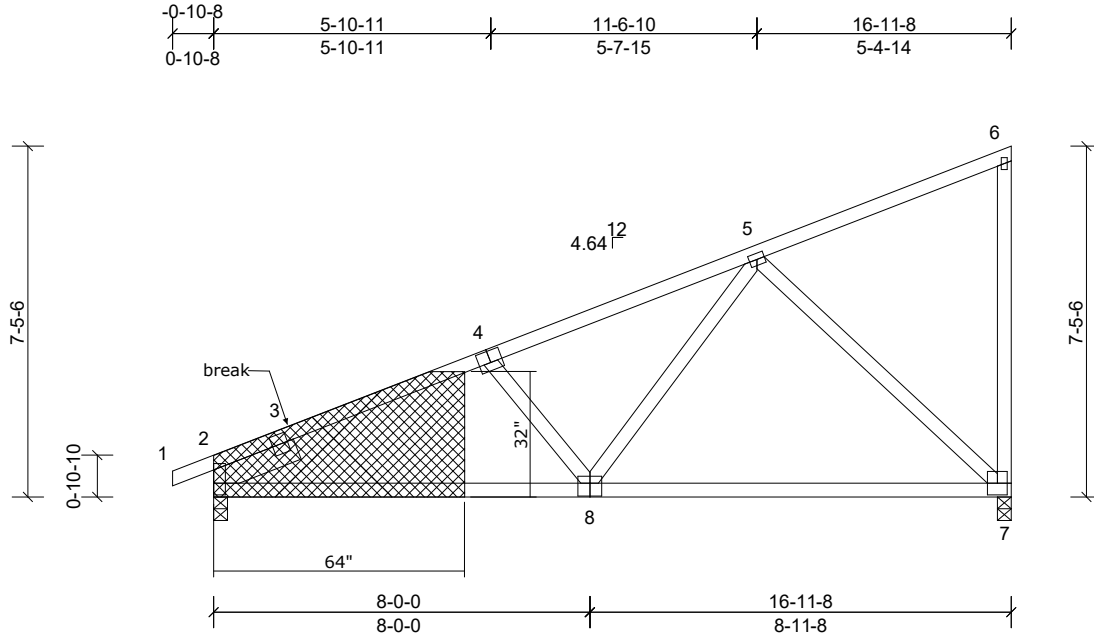
Job 72331508REP1	Truss C1	Truss Type Truss	Qty 7	Ply 1	Pro Bldrs / Clayton Craftsman - GL Job Reference (optional)
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UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, clm

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Repair for a break in the top chord where indicated

Attach 1/2" Plywood or 7/16" OSB (APA Rated Sheathing Exposure 1) gusset to both sides of truss as shown with two rows of 10d (.131" x 3") nails spaced 4" oc in all members from each face, driven through both sheets of plywood.

Plate Offsets (X, Y): [2:Edge:0-0-0], [4:0-3-0:0-3-0], [8:0-3-0:0-3-4]

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	Vert(LL)	0.38	7-8	>532	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	Vert(CT)	-0.42	7-8	>479	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MSH						Weight: 93 lb	FT = 20%

LUMBER	BRACING
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-11 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-5-3 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x6 SP No.2 - 1-11-0	
REACTIONS	
(lb/size)	2=726/0-3-8, (min. 0-1-8), 7=671/0-3-8, (min. 0-1-8)
Max Horiz	2=274 (LC 10)
Max Uplift	2=-238 (LC 6), 7=-310 (LC 6)
FORCES	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-319/320, 3-4=-1049/795, 4-5=-882/767
BOT CHORD	2-8=-963/930, 7-8=-474/498
WEBS	5-8=-651/534, 4-8=-262/189, 5-7=-691/658

NOTES (6)

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=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; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 2) * 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.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 7 and 238 lb uplift at joint 2.
- 4) 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.
- 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.



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