ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: AC1012-R
McKee-PalazzoCRF;Lot 1012 AndersonCreek

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource-Apex,NC.

Pages or sheets covered by this seal: I44714122 thru I44714168

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844

February 9,2021

Sevier, Scott

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A05T	COMMON	1	1	I44714122
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:17 2021 Page 1
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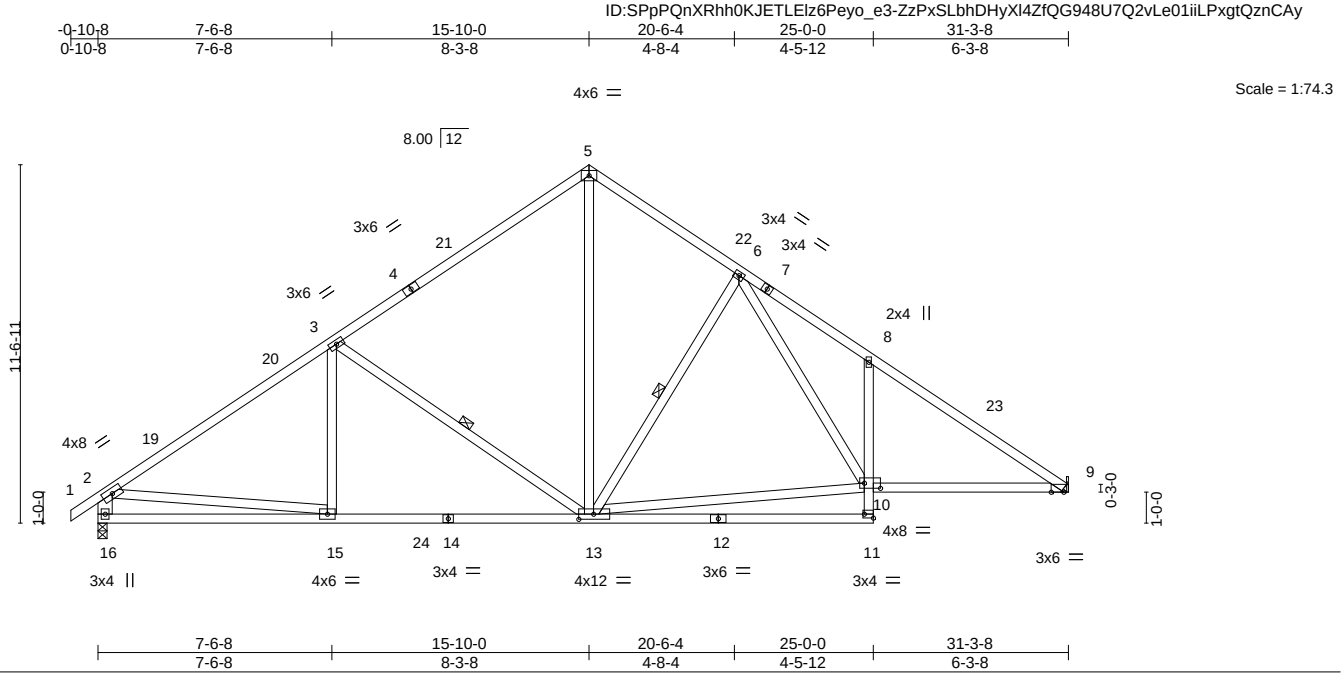

Plate Offsets (X,Y)-- [9:0-4-14,0-0-0], [10:0-6-4,0-2-0], [11:Edge,0-1-8], [13:0-5-12,0-2-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	0.97	Vert(LL)	-0.18	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.77	Vert(CT)	-0.38	11-13	>980	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.41	Horz(CT)	0.05	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.08	10-18	>999	240	Weight: 200 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	2-16: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-13, 3-13

REACTIONS. (size) 16=0-3-8, 9=Mechanical
Max Horz 16=291(LC 9)
Max Uplift 16=-76(LC 12), 9=-56(LC 13)
Max Grav 16=1305(LC 1), 9=1236(LC 1)

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

TOP CHORD	2-16=-1236/223, 2-3=-1656/212, 3-5=-1203/256, 5-6=-1128/278, 6-8=-1862/358, 8-9=-1898/240
BOT CHORD	15-16=-310/506, 13-15=-95/1419, 9-10=-106/1528, 8-10=-340/198
WEBS	2-15=0/1012, 5-13=-132/859, 6-13=-539/181, 10-13=-51/1000, 6-10=-145/698, 3-13=-621/185

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-2-0 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16. This connection is for uplift only and does not consider lateral forces.

February 9,2021

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Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A06	COMMON	1	1	I44714123
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:18 2021 Page 1
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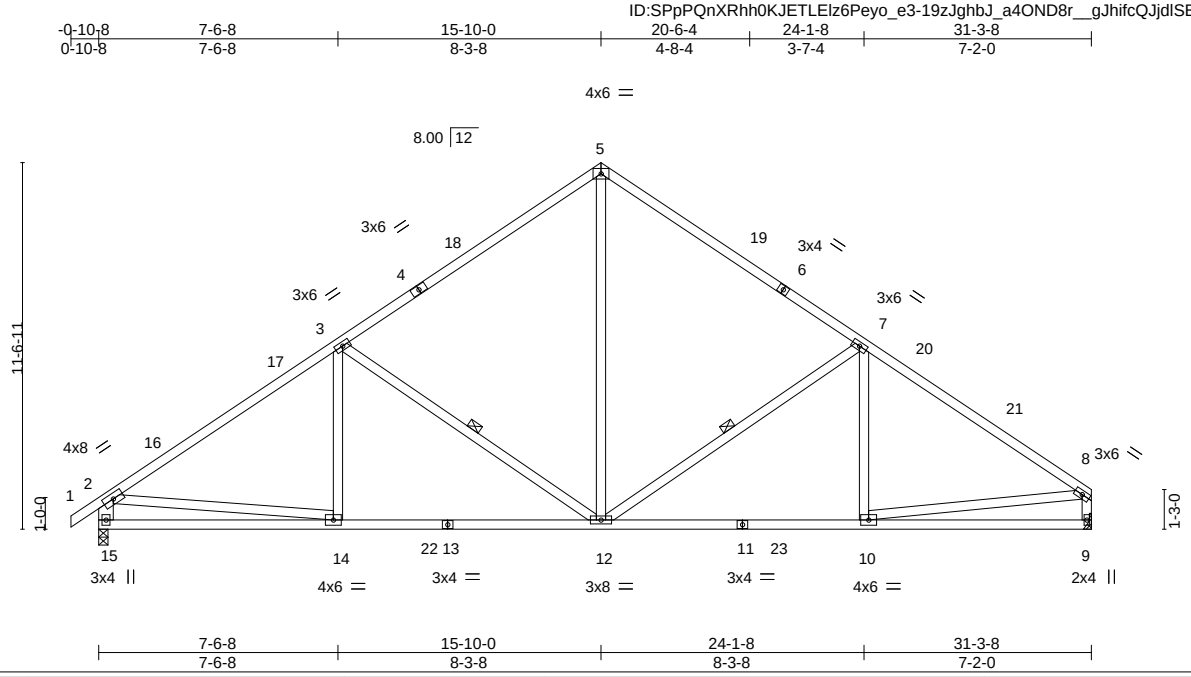

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.09	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.21	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.04	12	>999	240	Weight: 189 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-15: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-12, 3-12

REACTIONS. (size) 15=0-3-8, 9=Mechanical
Max Horz 15=291(LC 9)
Max Uplift 15=-76(LC 12), 9=-52(LC 13)
Max Grav 15=1304(LC 1), 9=1235(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1236/222, 2-3=-1655/210, 3-5=-1202/259, 5-7=-1205/263, 7-8=-1579/206
BOT CHORD 14-15=-312/509, 12-14=-94/1446, 10-12=-84/1261
WEBS 2-14=0/1027, 5-12=-94/783, 7-12=-588/191, 3-12=-615/182, 8-9=-1181/173, 8-10=-85/1275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-1-12 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15. This connection is for uplift only and does not consider lateral forces.

February 9,2021

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Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A07GT	GABLE	1	1	I44714124
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:21 2021 Page 1
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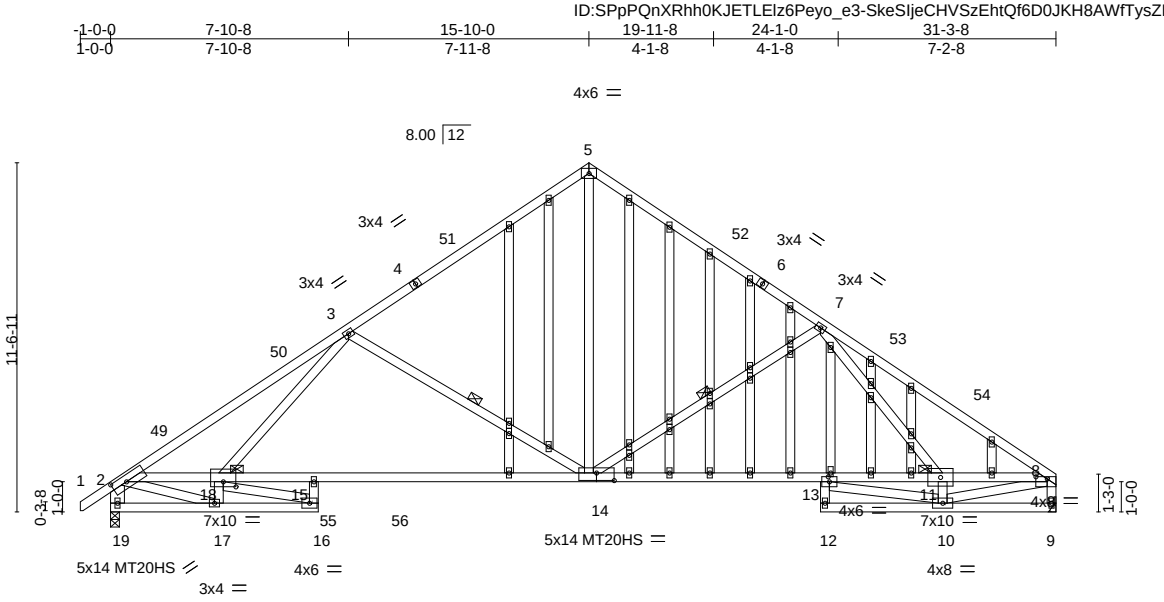

Plate Offsets (X,Y)-- [2:0-5-15,0-2-8], [8:0-4-8,0-0-14], [13:0-1-8,0-1-0], [14:0-7-0,0-3-0], [18:0-5-0,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.23	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.51	14-15	>733	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	14-15	>999	240	Weight: 307 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	2-14: 2x4 SP No.1, 12-13: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except*
	2-19: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 3-14, 7-14
JOINTS	1 Brace at Jt(s): 18, 11

REACTIONS. (size) 19=0-3-8, 9=Mechanical
Max Horz 19=311(LC 9)
Max Uplift 19=-74(LC 12), 9=-49(LC 13)
Max Grav 19=1311(LC 1), 9=1232(LC 1)

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

TOP CHORD	2-19=-1336/217, 2-3=-2459/104, 3-5=-1299/246, 5-7=-1319/260, 7-8=-2088/122, 8-9=-1225/158
BOT CHORD	17-19=-315/516, 16-17=-642/0, 2-18=0/2498, 15-18=-148/1619, 14-15=-137/1637, 13-14=-114/1434, 11-13=0/1502, 8-11=0/1905
WEBS	3-14=-752/208, 5-14=-98/910, 10-13=-458/0, 7-14=-598/192, 17-18=0/417, 2-17=-907/74, 16-18=0/700, 3-18=0/877, 10-11=0/481, 8-10=-535/0, 7-11=0/650

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-8 to 2-0-8, Interior(1) 2-0-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-0-15 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9.
11) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 19. This connection is for uplift only and does not consider lateral forces.

February 9,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A10T	COMMON	3	1	I44714125
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:22 2021 Page 1
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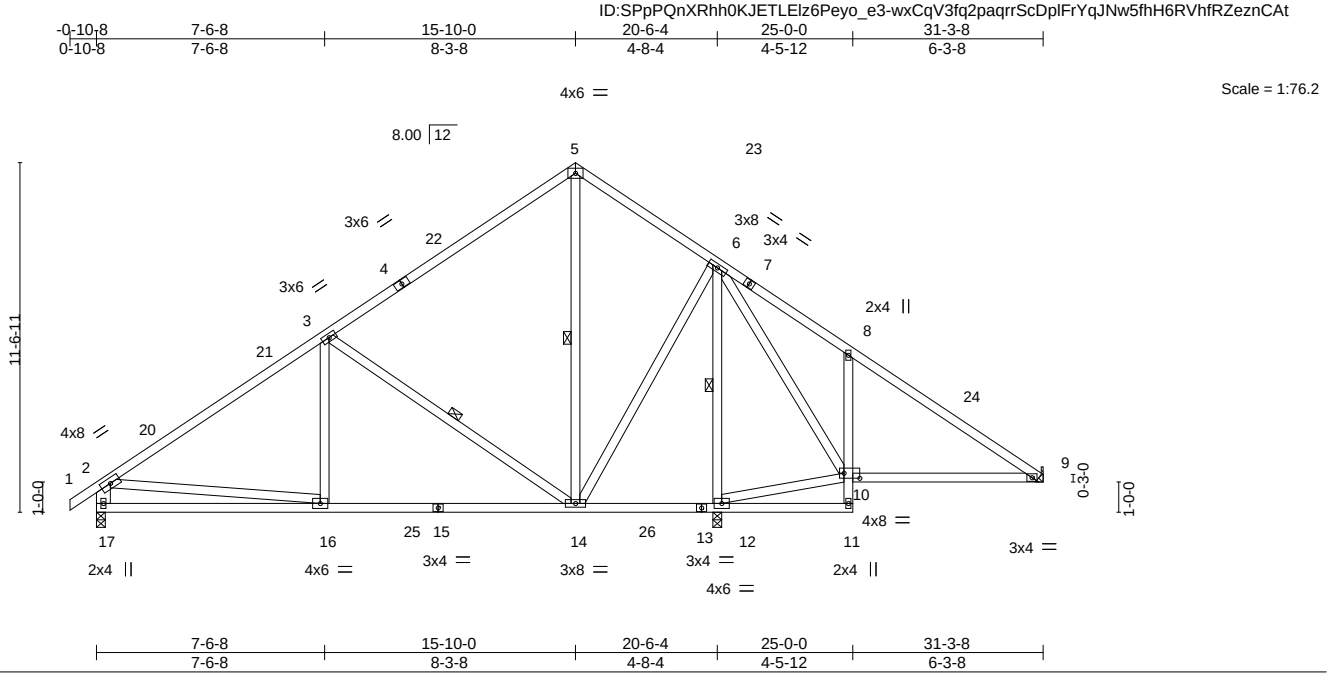

Plate Offsets (X,Y)-- [10:0-6-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.09	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.19	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	10-19	>999	240	Weight: 205 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-17: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 3-14, 6-12

REACTIONS. (size) 17=0-3-8, 9=Mechanical, 12=0-3-8
Max Horz 17=291(LC 9)
Max Uplift 17=-77(LC 12), 9=-37(LC 13), 12=-29(LC 13)
Max Grav 17=834(LC 1), 9=356(LC 24), 12=1368(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-775/165, 2-3=-936/122, 3-5=-413/165, 5-6=-374/185, 6-8=-307/168, 8-9=-326/40
BOT CHORD 16-17=-312/474, 14-16=-128/875, 8-10=-359/201
WEBS 2-16=0/519, 3-16=0/304, 6-14=0/707, 6-10=-146/522, 3-14=-687/184, 6-12=-1255/185

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-2-0 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9, 12.

February 9,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A11T	COMMON	1	1	I44714126
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:23 2021 Page 1
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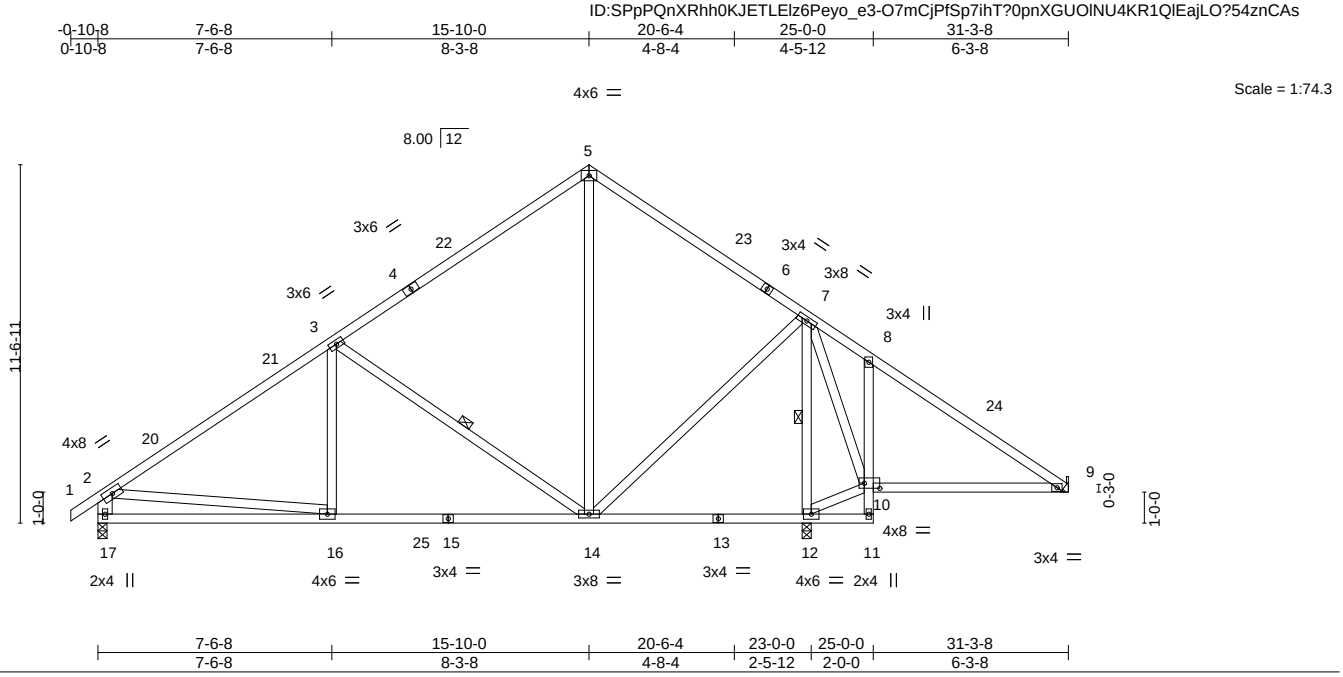

7-6-8 15-10-0 20-6-4 23-0-0 25-0-0 31-3-8
7-6-8 8-3-8 4-8-4 2-5-12 2-0-0 6-3-8

Plate Offsets (X,Y)-- [10:0-6-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.08	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.17	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	10-19	>999	240	Weight: 197 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-17: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 7-12

REACTIONS. (size) 17=0-3-8, 9=Mechanical, 12=0-3-8
Max Horz 17=291(LC 9)
Max Uplift 17=-79(LC 12), 9=-40(LC 13), 12=-22(LC 13)
Max Grav 17=927(LC 1), 9=244(LC 24), 12=1408(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-862/180, 2-3=-1077/146, 3-5=-570/190, 5-7=-540/195
BOT CHORD 16-17=-312/483, 14-16=-107/982
WEBS 2-16=0/601, 3-16=0/287, 7-14=0/711, 3-14=-670/181, 7-12=-1230/173

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-2-0 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9, 12.

February 9,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A12	ROOF TRUSS	4	1	I44714127
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:24 2021 Page 1
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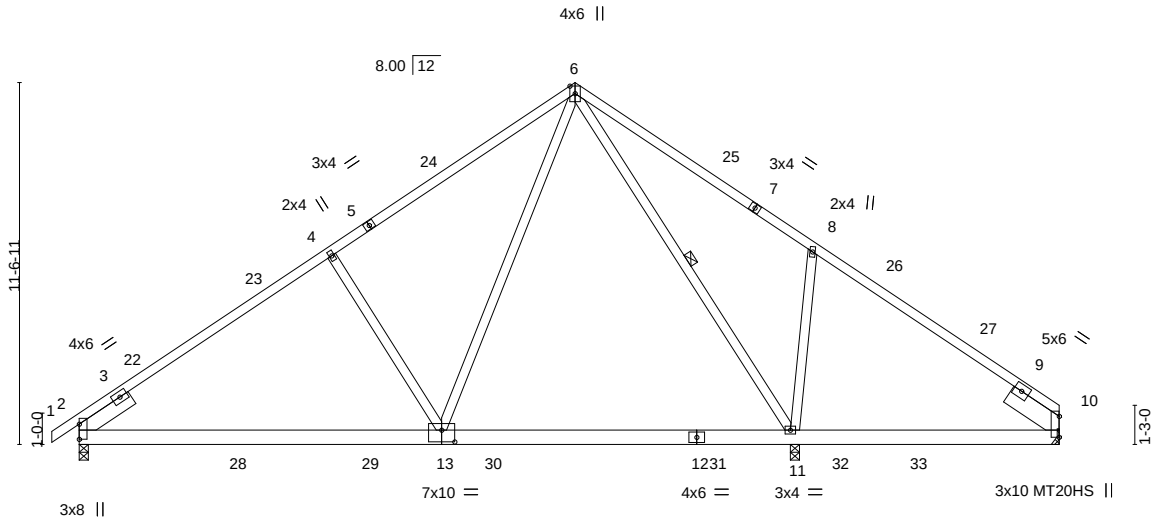
-0-10-8	8-0-12	15-10-0	23-5-0	31-3-8
0-10-8	8-0-12	7-9-4	7-7-0	7-10-8

Scale = 1:73.6



11-6-14	22-10-4	31-3-8
11-6-14	11-3-6	8-5-4

Plate Offsets (X,Y)-- [2:Edge,0-0-0], [10:0-8-1,0-0-1], [13:0-5-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.14	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.20	11-13	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.08	13-16	>999	240	Weight: 196 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 6-11: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-1-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-11

REACTIONS. (size) 2=0-3-8, 11=0-3-8, 10=Mechanical
Max Horz 2=275(LC 9)
Max Uplift 2=-97(LC 12), 10=-154(LC 13)
Max Grav 2=1087(LC 19), 11=1234(LC 19), 10=497(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1253/220, 4-6=-1089/282, 6-8=-622/390, 8-10=-470/300
BOT CHORD 2-13=-128/1150, 11-13=-8/592, 10-11=-59/315
WEBS 4-13=-454/233, 6-13=-76/903, 6-11=-647/95, 8-11=-504/261

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-3-8 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=154.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A13	ROOF TRUSS	3	1	I44714128 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:25 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-KWuy84hiKkzPiIABuyIyTASqv862ubOtBft5AyznCAq

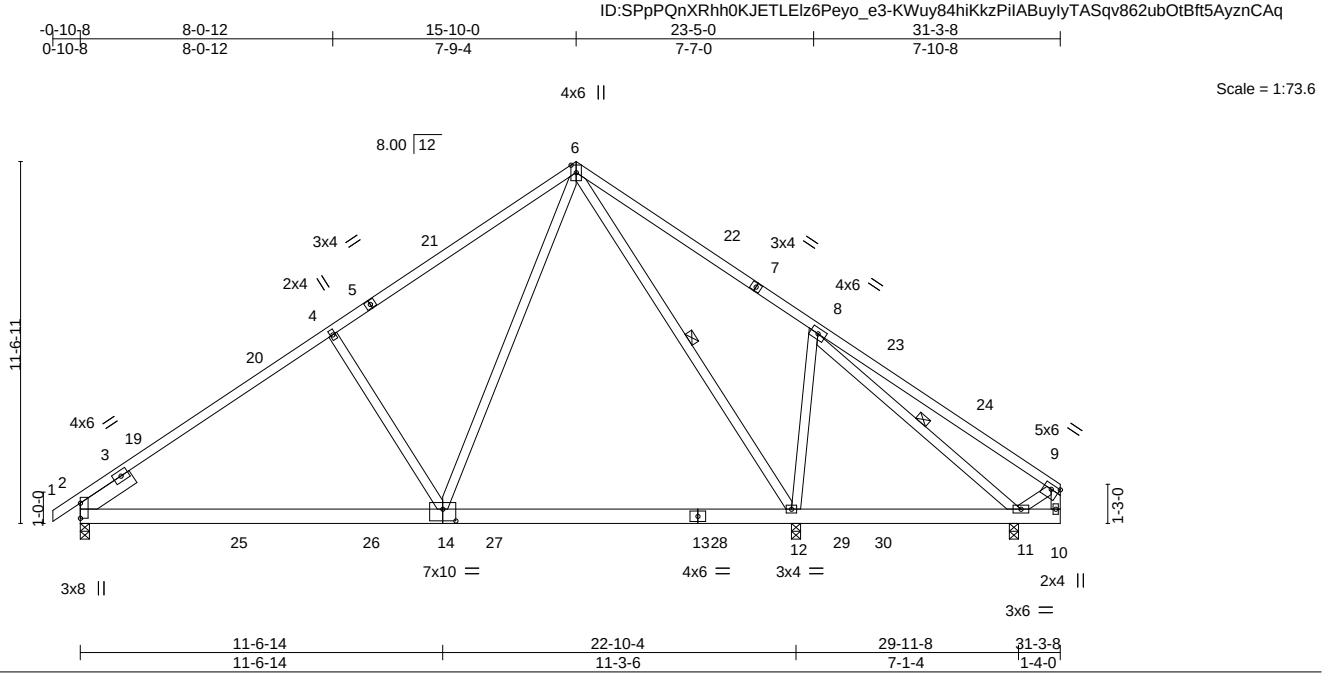


Plate Offsets (X,Y)-- [2:Edge,0-0-0], [9:Edge,0-1-12], [14:0-5-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.14	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.21	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.08	14-17	>999	240	Weight: 206 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 6-12: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 6-12, 8-11

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 11=0-3-8
Max Horz 2=297(LC 11)
Max Uplift 2=-93(LC 12), 12=-70(LC 13), 11=-18(LC 12)
Max Grav 2=1048(LC 19), 12=1430(LC 20), 11=361(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1191/170, 4-6=-1027/232, 6-8=-293/194
BOT CHORD 2-14=-136/1105, 12-14=-59/542
WEBS 4-14=-456/235, 6-14=-77/915, 6-12=-807/31, 8-12=-517/284, 9-11=-300/240

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 15-10-0, Exterior(2) 15-10-0 to 20-0-15, Interior(1) 20-0-15 to 31-1-12 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 12, and 11. This connection is for uplift only and does not consider lateral forces.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	A14G	FAN	1	1	I44714129
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:27 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-Gu?jZmiysLD6ycKa0NKQYbXltxveMYrAezMCErznCAo

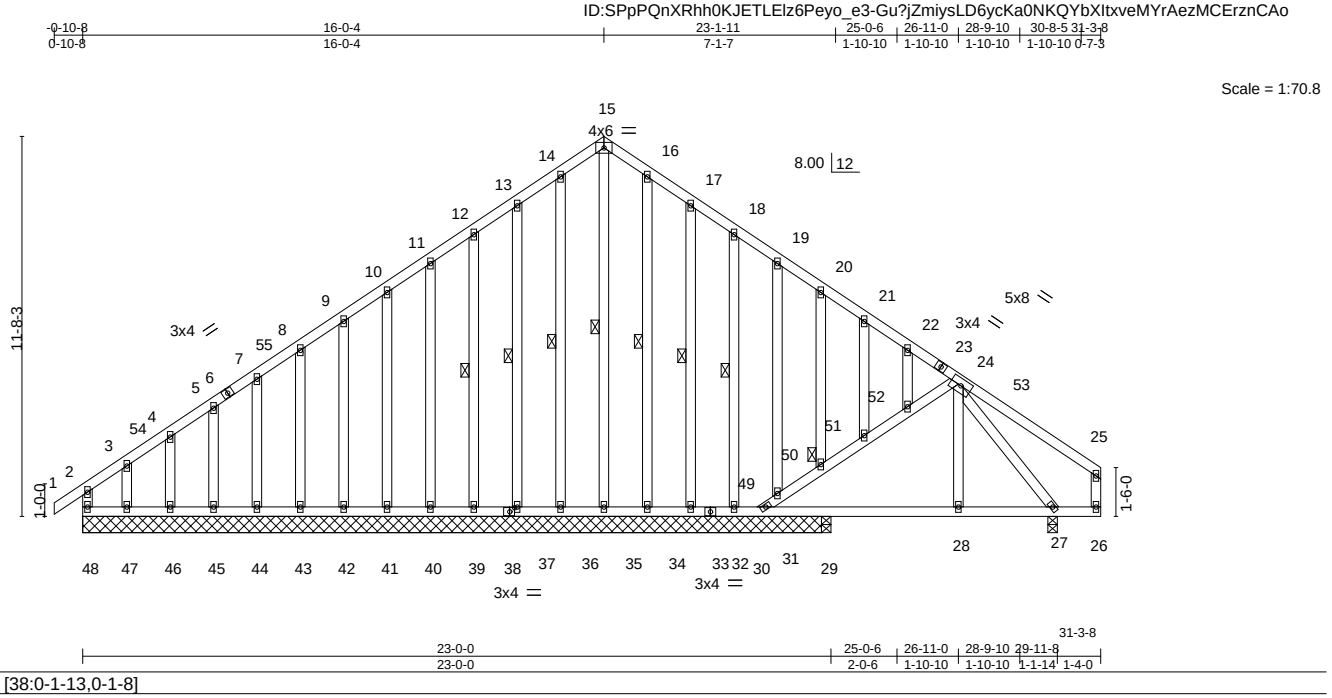


Plate Offsets (X,Y)-- [38:0-1-13,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.01	28-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.01	28-29	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	27	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.00	27-28	>999	240	Weight: 311 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 29-30,28-29,27-28.
WEBS 1 Row at midpt 15-35, 14-36, 16-34, 13-37, 12-39, 17-33, 18-31
JOINTS 1 Brace at Jt(s): 50

REACTIONS. All bearings 22-8-8 except (jt=length) 27=0-3-8, 29=0-3-8.
(lb) - Max Horz 48=313(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 34, 37, 39, 40, 41, 42, 43, 44, 45, 46, 31, 27 except 48=-121(LC 10), 30=-146(LC 13), 47=-186(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 48, 35, 36, 34, 37, 39, 40, 41, 42, 43, 44, 45, 46, 47, 33, 31, 29 except 30=337(LC 20), 27=424(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 30-49=-405/202, 49-50=-311/163, 50-51=-330/171, 51-52=-287/152, 24-52=-299/158, 24-27=-361/57

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-0-4, Exterior(2) 16-0-4 to 20-0-4, Interior(1) 20-0-4 to 31-1-12 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) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B01GRT	SPECIAL	1	2	I44714130
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:28 2021 Page 1
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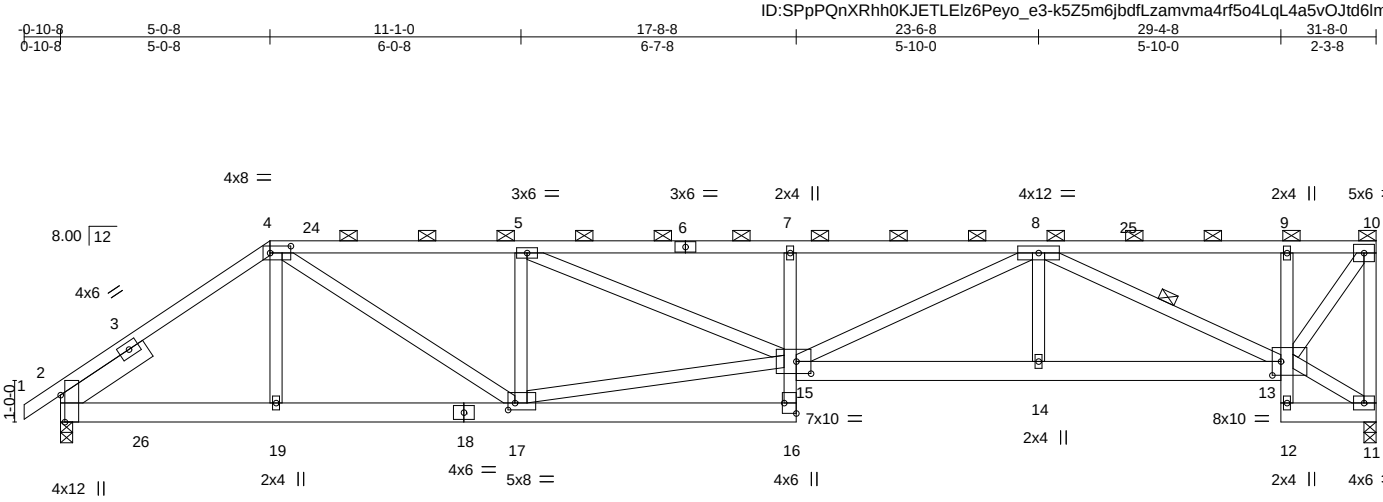

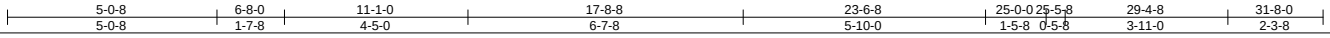

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [4:0-6-0,0-2-0], [13:0-2-8,0-4-0], [15:0-4-4,0-3-8], [16:Edge,0-3-8], [17:0-2-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.25	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.50	14-15	>764	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.16	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.24	14-15	>999	240	Weight: 432 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1 *Except*
	1-4: 2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	7-16,9-12: 2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	15-17: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 2-5-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-8-7 oc purlins, except end verticals, and 2-0-0 oc purlins (3-8-11 max.): 4-10.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 8-13

REACTIONS. (size) 11=0-3-8, 2=0-3-8
Max Horz 2=156(LC 7)
Max Uplift 11=-650(LC 5), 2=-590(LC 5)
Max Grav 11=3367(LC 1), 2=3565(LC 1)

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

TOP CHORD	2-4=-4626/817, 4-5=-6249/1179, 5-7=-8720/1679, 7-8=-8829/1697, 8-9=-2275/455, 9-10=-2166/433, 10-11=-3251/644
BOT CHORD	2-19=-761/3694, 17-19=-760/3702, 16-17=-179/940, 15-16=-2/254, 7-15=-893/268, 14-15=-1376/6924, 13-14=-1376/6924, 9-13=-704/218
WEBS	4-19=-30/294, 4-17=-649/3115, 5-17=-2153/530, 15-17=-1095/5443, 5-15=-531/2648, 8-15=-430/2128, 8-13=-5197/993, 10-13=-775/3871, 8-14=0/531

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Two RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11. This connection is for uplift only and does not consider lateral forces.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

February 9,2021

ENGINEERING BY
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Edenton, NC 27932

NOTES-

11) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 450 lb down and 81 lb up at 1-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-4=-149(F=-88), 4-10=-148(F=-89), 20-26=-20, 16-26=-64(F=-44), 13-15=-64(F=-44), 11-12=-64(F=-44)
   Concentrated Loads (lb)
   Vert: 26=-421(F)

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B02T	SPECIAL	1	1	I44714131
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:30 2021 Page 1
ID:SPpPQnXRhh0KJETLEIz6Peyo_e3-hThrBolr9Gbhp339hVu7AD9fo9kMZrPcKxbsrAznCAl

-0-10-8 4-6-0 7-0-8 12-1-0 17-8-8 24-7-8 29-4-8 31-8-0
0-10-8 4-6-0 2-6-8 5-0-8 5-7-8 6-11-0 4-9-0 2-3-8

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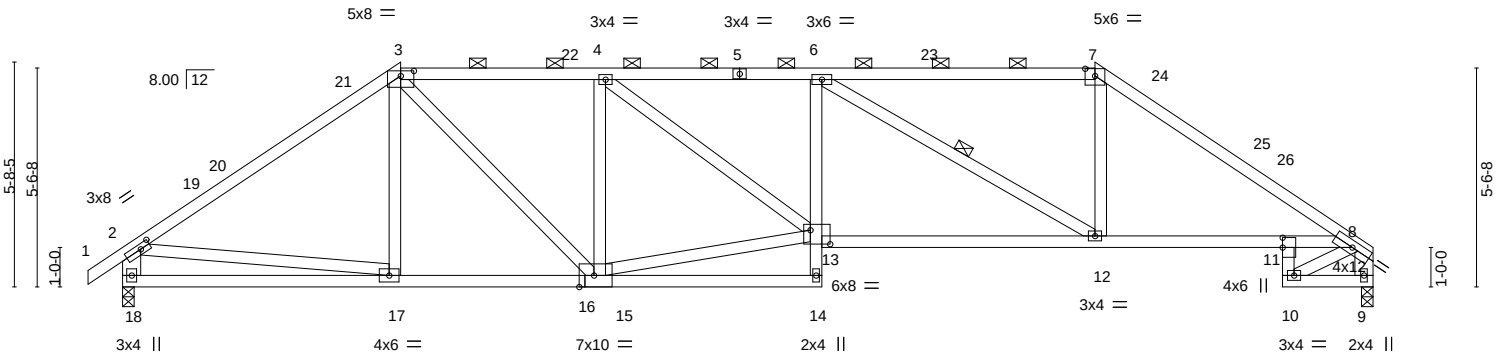

7-0-8 8-8-0 12-1-0 17-8-8 23-0-0 24-7-8 29-4-8 31-8-0
7-0-8 1-7-8 3-5-0 5-7-8 5-3-8 1-7-8 4-9-0 2-3-8

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-4-0,0-1-9], [7:0-3-0,0-2-3], [11:0-3-0,0-0-0], [13:0-6-0,0-4-4], [15:0-1-12,0-0-0], [16:0-0-0,0-1-12], [16:0-4-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.13	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.27	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.12	11-12	>999	240	Weight: 187 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-14,10-11: 2x4 SP No.3, 8-13: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
2-18,8-9: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-5-15 max.): 3-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 11-12
WEBS 1 Row at midpt 6-12

REACTIONS. (size) 18=0-3-8, 9=0-3-8
Max Horz 18=157(LC 9)
Max Uplift 18=-99(LC 9), 9=-96(LC 8)
Max Grav 18=1316(LC 1), 9=1237(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1250/259, 2-3=-1656/257, 3-4=-1767/331, 4-6=-2377/413, 6-7=-1607/302, 7-8=-2054/305, 8-9=-1283/214
BOT CHORD 17-18=-274/500, 15-17=-215/1277, 12-13=-368/2411, 11-12=-172/1629, 8-11=-157/1435, 9-10=-176/379
WEBS 2-17=-206/961, 13-15=-268/1699, 4-13=-117/752, 6-12=-1016/283, 7-12=-27/678, 4-15=-790/227, 3-15=-198/770

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-0-8, Exterior(2) 7-0-8 to 11-3-7, Interior(1) 11-3-7 to 24-7-8, Exterior(2) 24-7-8 to 28-10-7, Interior(1) 28-10-7 to 31-3-3 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18 and 9. This connection is for uplift only and does not consider lateral forces.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B03T	SPECIAL	1	1	I44714132
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:31 2021 Page 1
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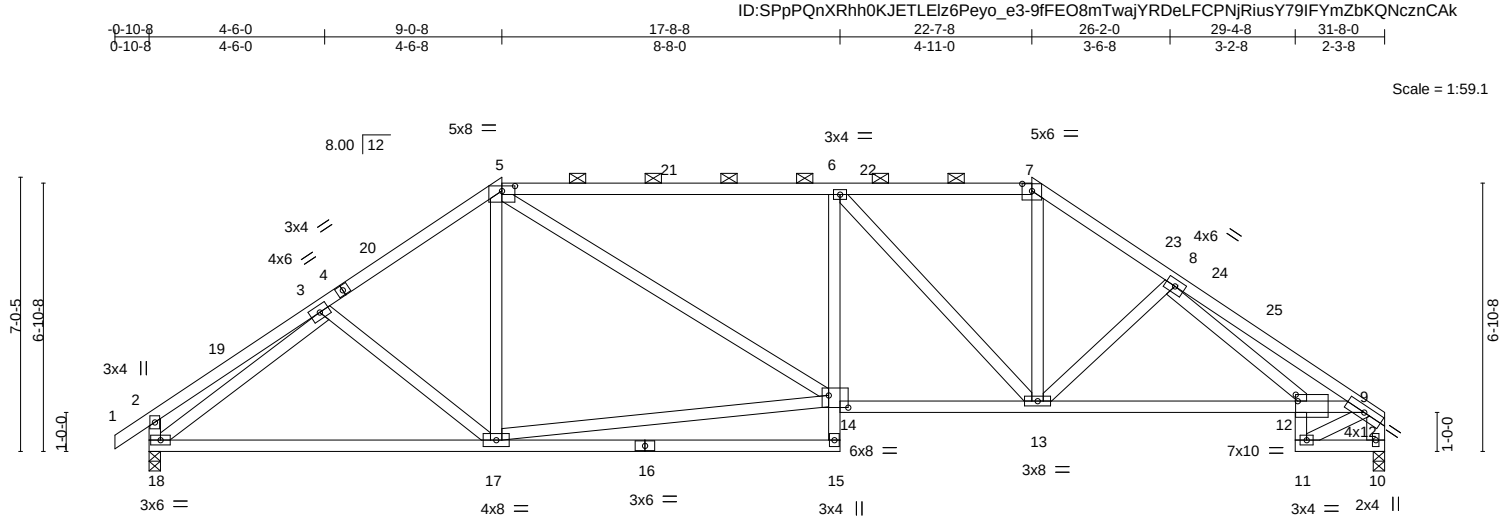

Plate Offsets (X,Y)-- [5:0-4-0,0-1-9], [7:0-3-0,0-2-3], [12:0-0-10,0-2-0], [14:0-6-0,0-3-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.16	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.35	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.07	14	>999	240	Weight: 204 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
5-7: 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
6-15,11-12: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
9-10: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-10 oc purlins, except end verticals, and 2-0-0 oc purlins (3-10-6 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 10-0-0 oc bracing: 12-13

REACTIONS. (size) 18=0-3-8, 10=0-3-8
Max Horz 18=190(LC 9)
Max Uplift 18=-47(LC 12), 10=-42(LC 8)
Max Grav 18=1314(LC 1), 10=1240(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-349/139, 2-3=-341/92, 3-5=-1555/273, 5-6=-1841/368, 6-7=-1417/283, 7-8=-1779/316, 8-9=-2417/311, 9-10=-1261/199
BOT CHORD 17-18=-212/1261, 13-14=-216/1834, 12-13=-208/1656, 9-12=-167/1886, 10-11=-115/262
WEBS 3-18=-1370/192, 14-17=-191/1156, 5-14=-186/762, 6-13=-675/213, 7-13=-91/754, 8-13=-325/153, 8-12=0/479

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-8, Exterior(2) 9-0-8 to 13-3-7, Interior(1) 13-3-7 to 22-7-8, Exterior(2) 22-7-8 to 26-10-7, Interior(1) 26-10-7 to 31-3-3 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18 and 10. This connection is for uplift only and does not consider lateral forces.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 9,2021

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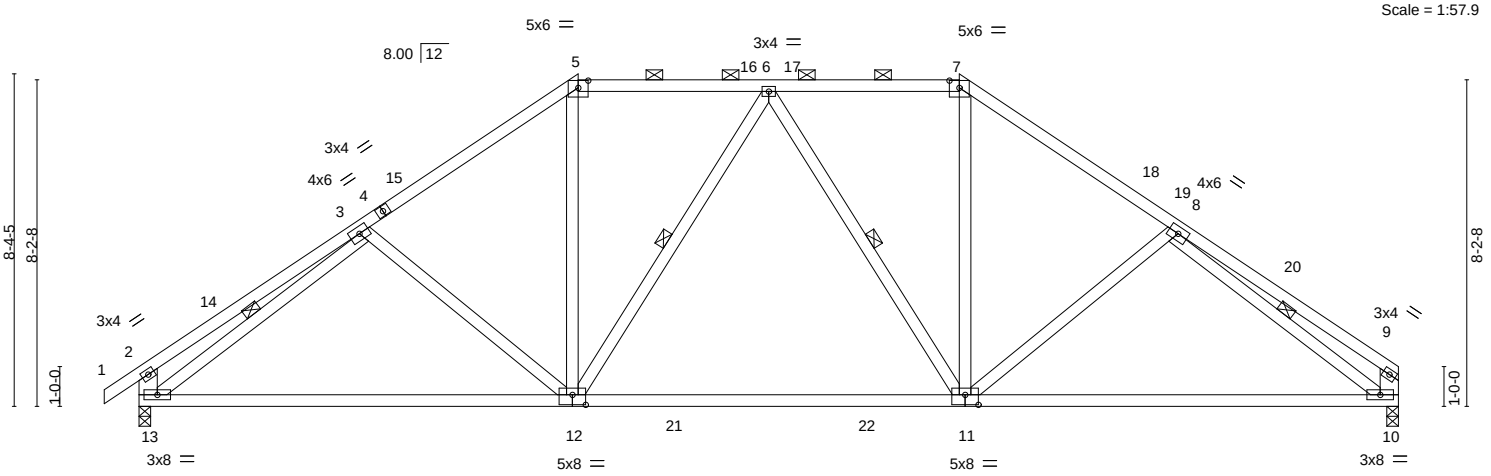
Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B04	HIP	1	1	I44714133
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:32 2021 Page 1
ID:SPpPQnXRhh0KJETLEIz6Peyo_e3-dspccUm5htrP2NCXpwwcFeE8dyPq1prvoF4zv2znCAj

-0-10-8	5-8-0	11-0-8	15-10-0	20-7-8	26-0-0	31-8-0
0-10-8	5-8-0	5-4-8	4-9-8	4-9-8	5-4-8	5-8-0

Scale = 1:57.9



11-0-8	20-7-8	31-8-0
11-0-8	9-7-0	11-0-8

Plate Offsets (X,Y)-- [5:0-3-0,0-2-3], [7:0-3-0,0-2-3], [11:0-4-0,0-3-0], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.42	11-12	>896	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.55	12-13	>682	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	11-12	>999	240	Weight: 195 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
11-12: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-13,9-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-8 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 6-12, 6-11, 3-13, 8-10

REACTIONS. (size) 10=0-3-8, 13=0-3-8
Max Horz 13=223(LC 11)
Max Uplift 10=-35(LC 13), 13=-60(LC 12)
Max Grav 10=1247(LC 1), 13=1316(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-470/134, 3-5=-1460/274, 5-6=-1134/274, 6-7=-1135/272, 7-8=-1463/279, 8-9=-396/75, 2-13=-433/160, 9-10=-323/97
BOT CHORD 12-13=-180/1253, 11-12=-103/1235, 10-11=-168/1264
WEBS 5-12=-32/497, 6-12=-290/181, 6-11=-289/181, 7-11=-37/502, 3-13=-1231/187, 8-10=-1302/229

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-8, Exterior(2) 11-0-8 to 15-3-7, Interior(1) 15-3-7 to 20-7-8, Exterior(2) 20-7-8 to 24-10-7, Interior(1) 24-10-7 to 31-5-4 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 13. This connection is for uplift only and does not consider lateral forces.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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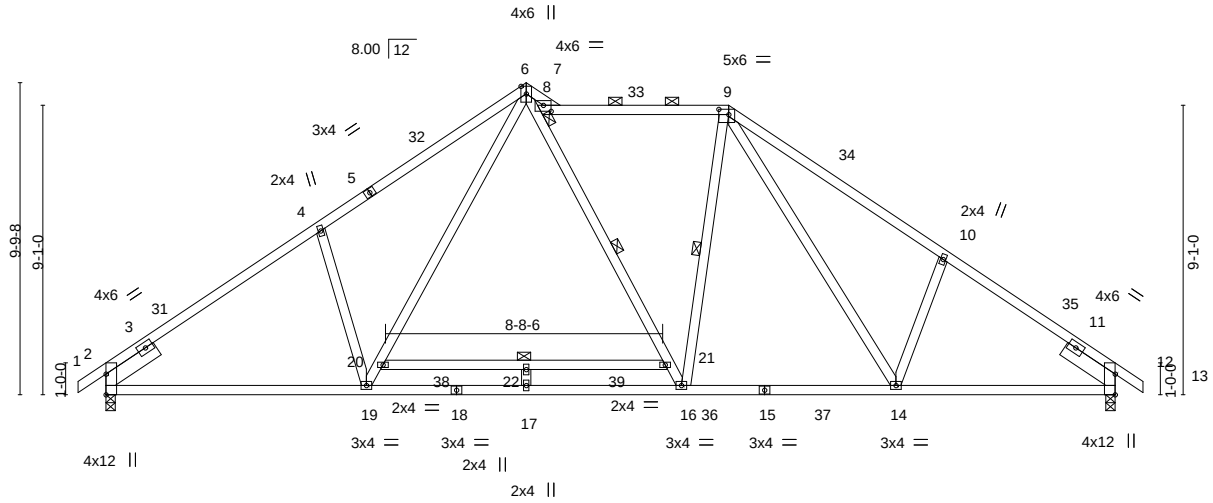
Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B05H	MOD. QUEEN	1	1	I44714134
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:33 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-52N_pqnjSBzGgXnkMdRrosn9TMlomBP20vpWSVznCAi

-0-10-8 6-8-14 13-2-4 14-3-0 19-6-8 26-3-4 31-8-0 32-6-8
0-10-8 6-8-14 6-5-6 1-0-12 5-3-8 6-8-12 5-4-12 0-10-8

Scale = 1:72.3



8-2-1 13-2-4 18-2-7 24-9-8 31-8-0
8-2-1 5-0-3 5-0-3 6-7-1 6-10-9

Plate Offsets (X,Y)-- [7:0-3-2,0-0-0], [7:0-2-14,0-2-4], [8:0-0-15,0-1-12], [9:0-3-12,0-2-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	1.00	Vert(LL)	-0.21	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	1.00	Vert(CT)	-0.46	17	>833	240		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.75	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.12	14-16	>999	240	Weight: 203 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except* 5-6,6-7: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* 6-16: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins: 8-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-16, 9-16, 20-21

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=-236(LC 10)
Max Uplift 2=-147(LC 12), 12=-192(LC 13)
Max Grav 2=1319(LC 1), 12=1319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1693/235, 4-6=-1590/337, 6-7=-851/179, 7-8=-265/89, 7-9=-1117/268, 9-10=-1620/378, 10-12=-1704/274
BOT CHORD 2-19=-197/1381, 17-19=-47/1134, 16-17=-47/1134, 14-16=0/1102, 12-14=-125/1333
WEBS 4-19=-317/278, 19-20=-188/482, 6-20=-186/531, 6-8=-89/421, 8-21=-75/266, 9-14=-176/420, 10-14=-279/244

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 14-2-8, Interior(1) 14-2-8 to 19-6-8, Exterior(2) 19-6-8 to 22-6-8, Interior(1) 22-6-8 to 32-6-8 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
7) N/A

8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-9=-60, 9-13=-60, 23-27=-20

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LOAD CASE(S) Standard

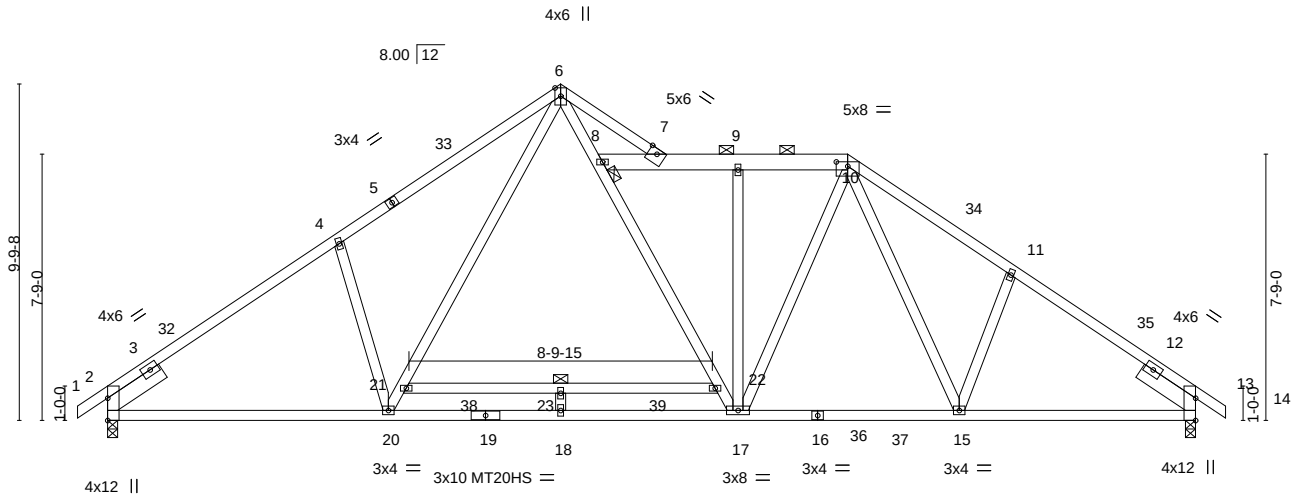
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-7=-50, 7-9=-50, 9-13=-50, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-20, 7-9=-20, 9-13=-20, 23-27=-40, 38-39=-4
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-20, 7-9=-20, 9-13=-20, 23-36=-20, 36-37=-60, 27-37=-20, 38-39=-4
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-56, 2-6=-61, 6-7=-42, 7-9=-42, 9-12=-42, 12-13=-37, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3
   Horz: 1-2=6, 2-6=11, 6-7=8, 9-12=8, 12-13=13
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-7=-61, 7-9=-29, 9-12=-61, 12-13=-56, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3
   Horz: 1-2=-13, 2-6=-8, 6-7=-11, 9-12=-11, 12-13=-6
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-25, 2-6=-29, 6-7=-42, 7-9=-42, 9-12=-42, 12-13=-37, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3
   Horz: 1-2=-25, 2-6=-21, 6-7=8, 9-12=8, 12-13=13
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-7=-29, 7-9=-29, 9-12=-29, 12-13=-25, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3
   Horz: 1-2=-13, 2-6=-8, 6-7=21, 9-12=21, 12-13=25
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-7=-20, 7-9=-20, 9-13=-20, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-50, 7-9=-50, 9-13=-50, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-3

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B06H	MOD. QUEEN	1	1	I44714135
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:35 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-1RUkEVp__oD_vrx6U2TJtHsWIATbE1CLUDIdWNznCAg

-0-10-8	6-8-14	13-2-4	16-3-0	18-2-7	21-6-8	26-3-8	31-8-0	32-6-8
0-10-8	6-8-14	6-5-6	3-0-12	1-11-7	3-4-1	4-9-0	5-4-8	0-10-8

Scale = 1:67.1



8-2-1	13-2-4	18-2-7	24-9-8	31-8-0
8-2-1	5-0-3	5-0-3	6-7-1	6-10-9

Plate Offsets (X,Y)-- [10:0-4-0,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.47	18	>807	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.71	18	>536	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.09	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.10	18	>999	240	Weight: 217 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	8-10: 2x6 SP DSS, 10-14: 2x4 SP No.1, 1-5: 2x4 SP SS
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except*
	21-22: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except
	2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 21-22
JOINTS	1 Brace at Jt(s): 8

REACTIONS. (size) 2=0-3-8, 13=0-3-8
Max Horz 2=238(LC 11)
Max Uplift 2=-147(LC 12), 13=-192(LC 13)
Max Grav 2=1320(LC 19), 13=1319(LC 1)

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

TOP CHORD	2-4=-1714/243, 4-6=-1659/347, 6-7=-1923/438, 7-9=-1434/286, 9-10=-1437/288,
	10-11=-1572/343, 11-13=-1689/266
BOT CHORD	2-20=-199/1494, 18-20=-39/1166, 17-18=-39/1166, 15-17=-30/1208, 13-15=-112/1314
WEBS	4-20=-337/284, 20-21=-195/544, 6-21=-191/613, 6-8=-335/1304, 8-22=-204/838,
	17-22=-210/775, 10-15=-122/298, 9-17=-955/275, 10-17=-60/658

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-3-0, Interior(1) 16-3-0 to 21-6-8, Exterior(2) 21-6-8 to 24-6-8, Interior(1) 24-6-8 to 32-6-8 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.
9) N/A

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

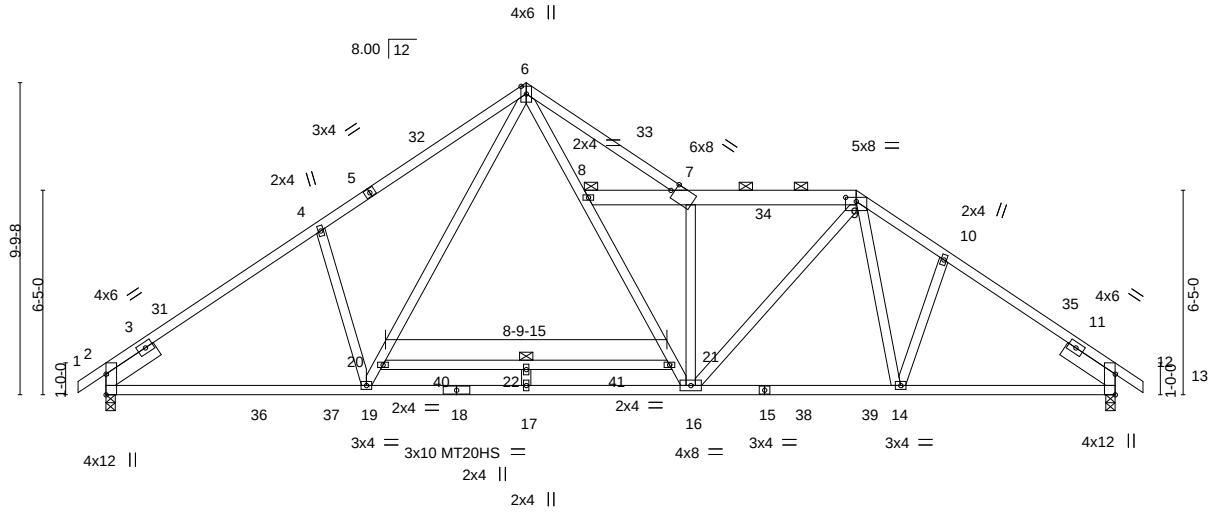
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-7=-60, 7-10=-60, 10-14=-60, 24-28=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-7=-50, 7-10=-50, 10-14=-50, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-20, 7-10=-20, 10-14=-20, 24-28=-40, 38-39=-40
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-20, 7-10=-20, 10-14=-20, 24-36=-20, 36-37=-60, 28-37=-20, 38-39=-40
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-56, 2-6=-61, 6-7=-42, 7-10=-42, 10-13=-42, 13-14=-37, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30
   Horz: 1-2=6, 2-6=11, 6-7=8, 10-13=8, 13-14=13
   Drag: 9-10=-0
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-7=-61, 7-10=-29, 10-13=-61, 13-14=-56, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30
   Horz: 1-2=-13, 2-6=-8, 6-7=-11, 10-13=-11, 13-14=-6
   Drag: 9-10=-0
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-25, 2-6=-29, 6-7=-42, 7-10=-42, 10-13=-42, 13-14=-37, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30
   Horz: 1-2=-25, 2-6=-21, 6-7=8, 10-13=8, 13-14=13
   Drag: 9-10=-0
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-7=-29, 7-10=-29, 10-13=-29, 13-14=-25, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30
   Horz: 1-2=-13, 2-6=-8, 6-7=21, 10-13=21, 13-14=25
   Drag: 9-10=-0
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-7=-20, 7-10=-20, 10-14=-20, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-50, 7-10=-50, 10-14=-50, 24-36=-20, 36-37=-50, 28-37=-20, 38-39=-30

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B07H	MOD. QUEEN	1	1	I44714136 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:36 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-Vd27Rrpcl6LrX_WJ2m?YQUPhWZpwzVAVjt2B2qznCAf

-0-10-8	6-8-14	13-2-4	18-2-7	18-3-0	23-6-8	26-3-8	31-8-0	32-6-8
0-10-8	6-8-14	6-5-6	5-0-3	0-0-9	5-3-8	2-9-0	5-4-8	0-10-8

Scale = 1:72.3



8-2-1	13-2-4	18-2-7	24-9-8	31-8-0
8-2-1	5-0-3	5-0-3	6-7-1	6-10-9

Plate Offsets (X,Y)-- [7:0-1-6,Edge], [9:0-4-0,0-1-9]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.47	17	>810	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.70	17	>541	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.08	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	17	>999	240	Weight: 215 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 8-9: 2x6 SP No.2, 9-13: 2x4 SP No.1, 1-5: 2x4 SP SS
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 20-21: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-5-11 max.): 8-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 20-21
JOINTS	1 Brace at Jt(s): 8

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=238(LC 11)
Max Uplift 2=-147(LC 12), 12=-192(LC 13)
Max Grav 2=1367(LC 19), 12=1319(LC 1)

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

TOP CHORD	2-4=-1766/237, 4-6=-1714/341, 6-7=-2015/407, 7-9=-1683/287, 9-10=-1547/317, 10-12=-1679/261
BOT CHORD	2-19=-199/1539, 17-19=-36/1161, 16-17=-36/1161, 14-16=-54/1264, 12-14=-105/1298
WEBS	4-19=-338/285, 19-20=-197/621, 6-20=-191/682, 6-8=-292/1285, 8-21=-295/1299, 16-21=-304/1241, 7-16=-1347/366, 9-16=-69/690

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-2-4, Interior(1) 16-2-4 to 23-6-8, Exterior(2) 23-6-8 to 26-4-2, Interior(1) 26-4-2 to 32-6-8 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
8) N/A

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-9=-60, 9-13=-60, 23-27=-20

2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-50, 6-7=-50, 7-9=-50, 9-13=-50, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-9=-20, 9-13=-20, 23-27=-40, 40-41=-40

18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-20, 7-9=-20, 9-13=-20, 23-36=-20, 36-37=-60, 37-38=-20, 38-39=-60, 27-39=-20, 40-41=-40

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-56, 2-6=-61, 6-7=-42, 7-9=-42, 9-12=-42, 12-13=-37, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30
Horz: 1-2=6, 2-6=11, 6-7=8, 9-12=8, 12-13=13
Drag: 7-9=-0

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-6=-42, 6-7=-61, 7-9=-29, 9-12=-61, 12-13=-56, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30
Horz: 1-2=-13, 2-6=-8, 6-7=-11, 9-12=-11, 12-13=-6
Drag: 7-9=-0

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-25, 2-6=-29, 6-7=-42, 7-9=-42, 9-12=-42, 12-13=-37, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30
Horz: 1-2=-25, 2-6=-21, 6-7=8, 9-12=8, 12-13=13
Drag: 7-9=-0

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-6=-42, 6-7=-29, 7-9=-29, 9-12=-29, 12-13=-25, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30
Horz: 1-2=-13, 2-6=-8, 6-7=21, 9-12=21, 12-13=25
Drag: 7-9=-0

25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-50, 6-7=-20, 7-9=-20, 9-13=-20, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30

26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-20, 6-7=-50, 7-9=-50, 9-13=-50, 23-36=-20, 36-37=-50, 37-38=-20, 38-39=-50, 27-39=-20, 40-41=-30

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B08	COMMON	1	1	I44714137
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:37 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-_pcVfBqEWQTi985VbTWnyiytxzC1i6lexXnkbGznCAe

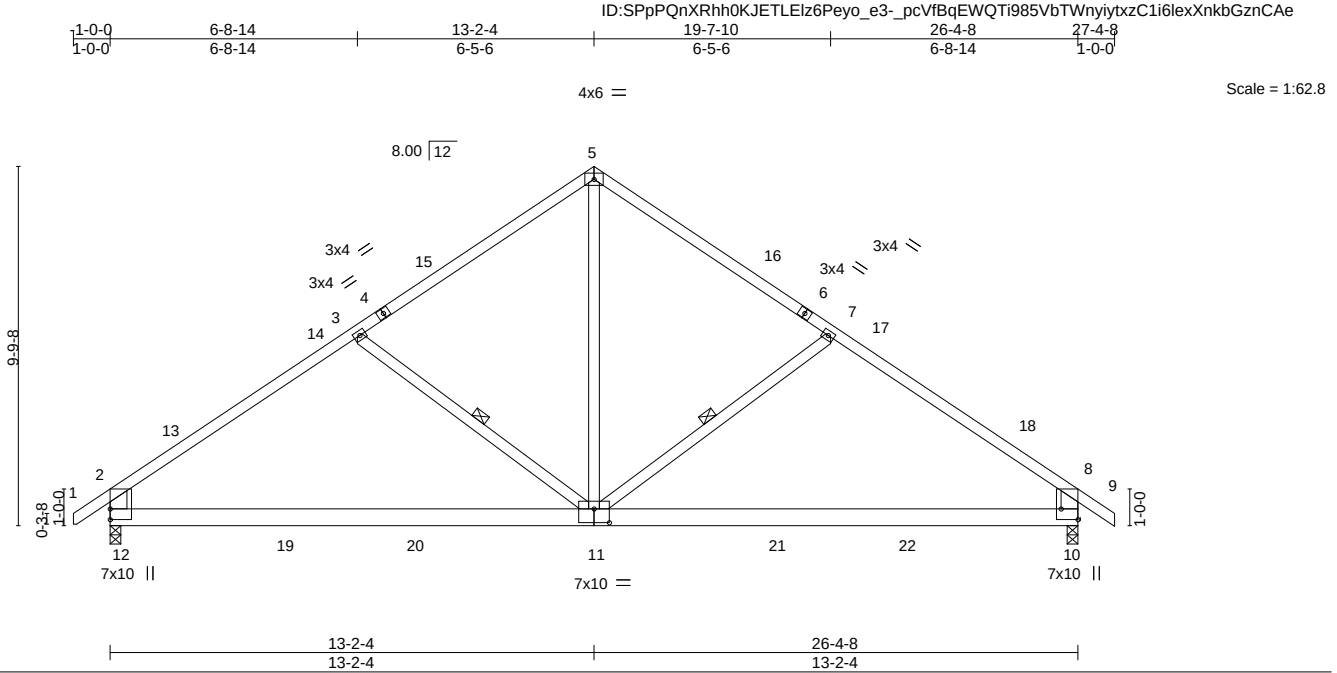

Plate Offsets (X,Y)-- [2:0-1-13,0-2-12], [8:0-1-13,0-2-12], [10:Edge,0-5-8], [10:0-0-0,0-2-12], [11:0-5-0,0-4-8], [12:0-0-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.15	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.30	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	11	>999	240	Weight: 152 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 2-12,8-10: 2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 7-11, 3-11

REACTIONS. (size) 12=0-3-8, 10=0-3-8
Max Horz 12=-266(LC 10)
Max Uplift 12=-77(LC 12), 10=-78(LC 13)
Max Grav 12=1125(LC 19), 10=1127(LC 20)

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

TOP CHORD	2-12=-962/234, 2-3=-1319/217, 3-5=-1029/199, 5-7=-1028/199, 7-8=-1319/217, 8-10=-964/235
BOT CHORD	11-12=-90/1141, 10-11=-56/992
WEBS	5-11=-60/690, 7-11=-364/217, 3-11=-364/217

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-8 to 2-0-8, Interior(1) 2-0-8 to 13-2-4, Exterior(2) 13-2-4 to 17-5-3, Interior(1) 17-5-3 to 27-4-8 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 10. This connection is for uplift only and does not consider lateral forces.

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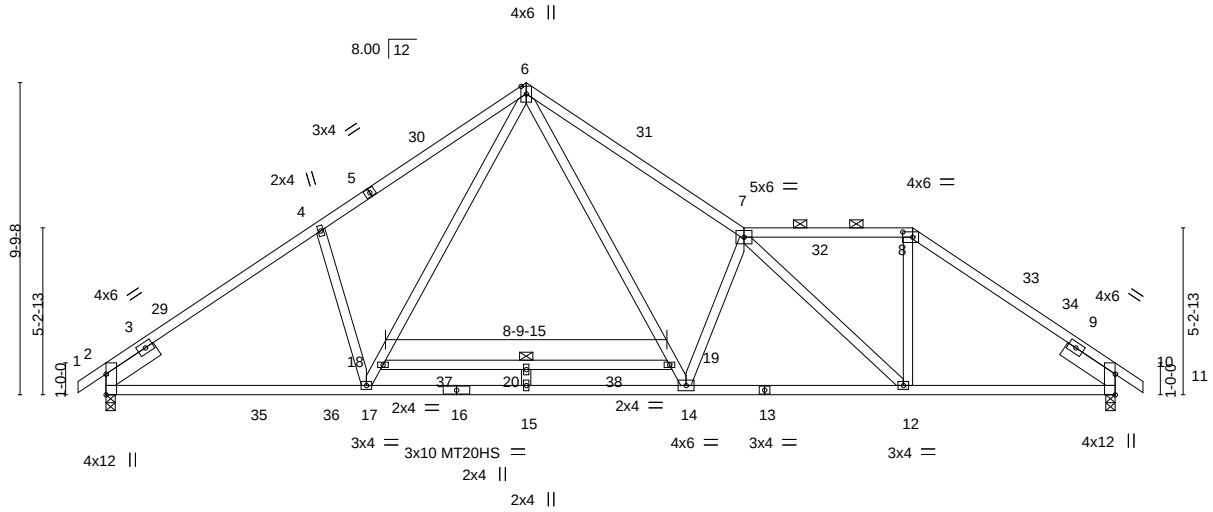
Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B09H	MOD. QUEEN	1	1	I44714138 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:38 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-S0AtsXrsHjbYmIgh9A10VvU0nNU8RQ1oABXH7iznCAd

-0-10-8	6-8-14	13-2-4	18-2-7	20-0-4	25-3-12	27-5-15	31-8-0	32-6-8
0-10-8	6-8-14	6-5-6	5-0-3	1-9-13	5-3-8	2-2-3	4-2-1	0-10-8

Scale = 1:72.3



8-2-1	13-2-4	18-2-7	25-3-12	27-5-15	31-8-0
8-2-1	5-0-3	5-0-3	7-1-5	2-2-3	4-2-1

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.46	15	>833	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.69	15	>554	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	15	>999	240	Weight: 193 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 6-7,8-11: 2x4 SP SS, 1-5: 2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 18-19: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-4-9 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 18-19

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-236(LC 10)
Max Uplift 2=-147(LC 12), 10=-192(LC 13)
Max Grav 2=1346(LC 19), 10=1319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1732/234, 4-6=-1679/335, 6-7=-2016/369, 7-8=-1320/263, 8-10=-1683/249
BOT CHORD 2-17=-198/1511, 15-17=-35/1177, 14-15=-35/1177, 12-14=-141/1906, 10-12=-79/1302
WEBS 4-17=-329/280, 17-18=-195/601, 6-18=-189/679, 6-19=-231/1205, 14-19=-235/1160, 7-14=-921/335, 7-12=-877/98, 8-12=-4/685

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-2-4, Interior(1) 16-2-4 to 25-3-12, Exterior(2) 25-3-12 to 28-3-12, Interior(1) 28-3-12 to 32-6-8 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
8) N/A
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-7=-60, 7-8=-60, 8-11=-60, 21-25=-20

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LOAD CASE(S) Standard

2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-7=-50, 7-8=-50, 8-11=-50, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-11=-20, 21-25=-40, 37-38=-40
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-20, 7-8=-20, 8-11=-20, 21-35=-20, 35-36=-60, 25-36=-20, 37-38=-40
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-56, 2-6=-61, 6-7=-42, 7-8=-42, 8-10=-42, 10-11=-37, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30
   Horz: 1-2=6, 2-6=11, 6-7=8, 8-10=8, 10-11=13
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-7=-61, 7-8=-29, 8-10=-61, 10-11=-56, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30
   Horz: 1-2=-13, 2-6=-8, 6-7=-11, 8-10=-11, 10-11=-6
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-25, 2-6=-29, 6-7=-42, 7-8=-42, 8-10=-42, 10-11=-37, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30
   Horz: 1-2=-25, 2-6=-21, 6-7=8, 8-10=8, 10-11=13
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-7=-29, 7-8=-29, 8-10=-29, 10-11=-25, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30
   Horz: 1-2=-13, 2-6=-8, 6-7=21, 8-10=21, 10-11=25
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-7=-20, 7-8=-20, 8-11=-20, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-7=-50, 7-8=-50, 8-11=-50, 21-35=-20, 35-36=-50, 25-36=-20, 37-38=-30

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B09T	COMMON	4	1	I44714139
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:39 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-wCkF4tsU11jPOSFtjuYF171IznppAw1xPqGrf8znCAc

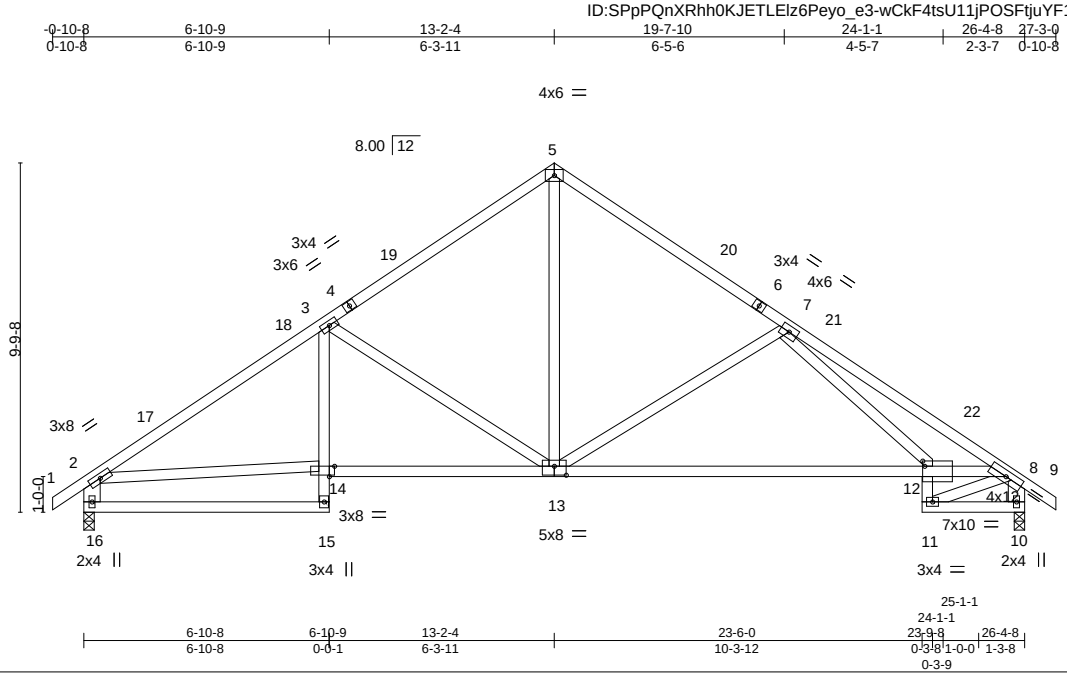

Plate Offsets (X,Y)-- [12:0-0-11,0-1-12], [13:0-4-0,0-3-0], [14:0-1-12,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.24	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.52	12-13	>602	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	13-14	>999	240	Weight: 160 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-15,11-12: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-16,8-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 16=0-3-8, 10=0-3-8
Max Horz 16=269(LC 11)
Max Uplift 16=-75(LC 12), 10=-72(LC 13)
Max Grav 16=1103(LC 1), 10=1103(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1047/209, 2-3=-1607/185, 3-5=-1106/206, 5-7=-1107/209, 7-8=-1973/114, 8-10=-1107/200
BOT CHORD 15-16=-114/273, 3-14=0/254, 13-14=-80/1351, 12-13=-65/1241, 8-12=0/1579, 10-11=-143/258
WEBS 2-14=-22/1075, 3-13=-610/187, 5-13=-77/783, 7-13=-531/190, 7-12=0/677, 8-11=-294/92

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 17-5-3, Interior(1) 17-5-3 to 27-3-0 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16 and 10. This connection is for uplift only and does not consider lateral forces.

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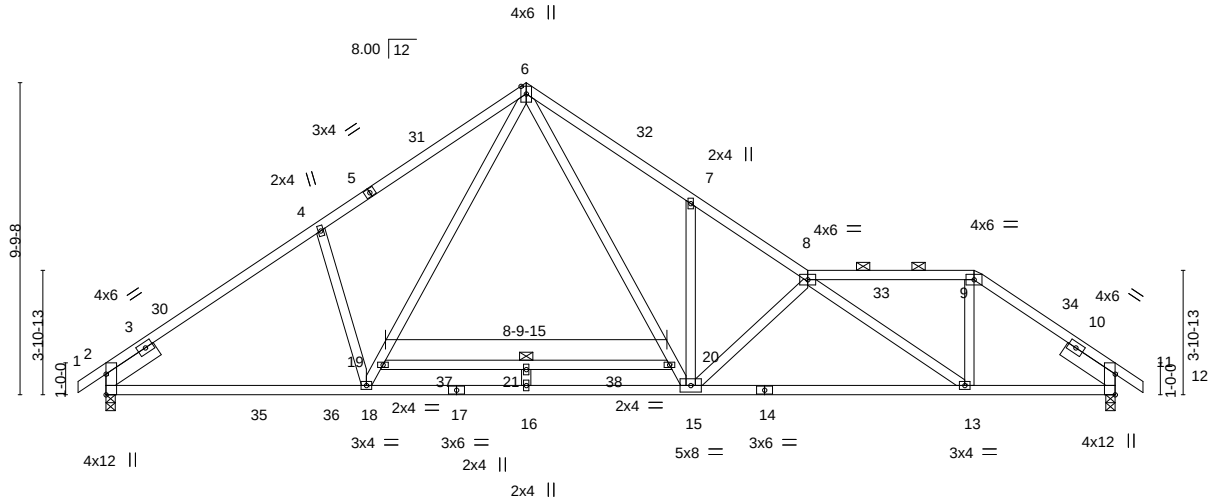
Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B10H	MOD. QUEEN	1	1	I44714140 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:40 2021 Page 1
ID:SPpPQnXRhh0KJETLEIz6Peyo_e3-OOIdHDt6oLrG0cq4Hb3UaKaMHA9BvJc4dU0OBbznCAb

-0-10-8	6-8-14	13-2-4	18-2-7	22-0-4	27-2-14	27-5-15	31-8-0	32-6-8
0-10-8	6-8-14	6-5-6	5-0-3	3-9-13	5-2-10	0-3-1	4-2-1	0-10-8

Scale = 1:72.3



8-2-1	13-2-4	18-2-7	27-2-14	27-5-15	31-8-0
8-2-1	5-0-3	5-0-3	9-0-7	0-3-1	4-2-1

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.47	16	>810	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.71	16	>537	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.09	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.12	13-15	>999	240	Weight: 198 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 9-12,1-5: 2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 19-20: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-11-15 max.): 8-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 19-20

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=-236(LC 10)
Max Uplift 2=-147(LC 12), 11=-192(LC 13)
Max Grav 2=1346(LC 19), 11=1319(LC 1)

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

TOP CHORD	2-4=-1732/230, 4-6=-1680/333, 6-7=-2076/431, 7-8=-2043/289, 8-9=-1364/236, 9-11=-1705/238
BOT CHORD	2-18=-198/1512, 16-18=-31/1097, 15-16=-31/1097, 13-15=-216/2339, 11-13=-101/1334
WEBS	4-18=-337/283, 18-19=-199/636, 6-19=-193/679, 6-20=-313/1354, 15-20=-326/1330, 8-15=-954/242, 8-13=-1210/161, 9-13=-9/765, 7-15=-326/225

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-2-4, Interior(1) 16-2-4 to 27-2-14, Exterior(2) 27-2-14 to 30-2-14, Interior(1) 30-2-14 to 32-6-8 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
7) N/A
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-8=-60, 8-9=-60, 9-12=-60, 22-26=-20

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LOAD CASE(S) Standard

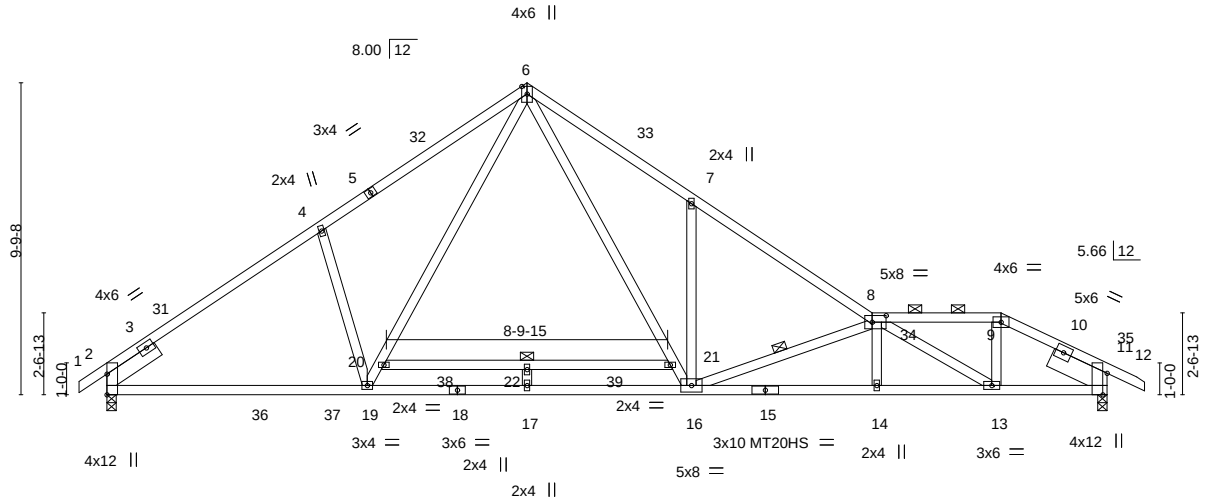
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-8=-50, 8-9=-50, 9-12=-50, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-20, 8-9=-20, 9-12=-20, 22-26=-40, 37-38=-40
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-20, 8-9=-20, 9-12=-20, 22-35=-20, 35-36=-60, 26-36=-20, 37-38=-40
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-56, 2-6=-61, 6-8=-42, 8-9=-42, 9-11=-42, 11-12=-37, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30
   Horz: 1-2=6, 2-6=11, 6-8=8, 9-11=8, 11-12=13
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-8=-61, 8-9=-29, 9-11=-61, 11-12=-56, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30
   Horz: 1-2=-13, 2-6=-8, 6-8=-11, 9-11=-11, 11-12=-6
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-25, 2-6=-29, 6-8=-42, 8-9=-42, 9-11=-42, 11-12=-37, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30
   Horz: 1-2=-25, 2-6=-21, 6-8=8, 9-11=8, 11-12=13
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-8=-29, 8-9=-29, 9-11=-29, 11-12=-25, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30
   Horz: 1-2=-13, 2-6=-8, 6-8=21, 9-11=21, 11-12=25
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-8=-20, 8-9=-20, 9-12=-20, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-50, 8-9=-50, 9-12=-50, 22-35=-20, 35-36=-50, 26-36=-20, 37-38=-30

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B11H	MOD. QUEEN	1	1	I44714141
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:41 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-sbr?VZtlZe_7dmPGqJaj7Y6XwaUIen0Es8lxk1znCAa

-0-10-8	6-8-14	13-2-4	18-2-7	24-0-4	27-5-15	28-0-13	31-4-12	32-6-14
0-10-8	6-8-14	6-5-6	5-0-3	5-9-13	3-5-11	0-6-14	3-3-15	1-2-2

Scale = 1:72.3



8-2-1	13-2-4	18-2-7	24-0-4	27-5-15	28-0-13	31-4-12
8-2-1	5-0-3	5-0-3	5-9-13	3-5-11	0-6-14	3-3-15

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.49	17	>775	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.76	17	>497	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.14	14-16	>999	240	Weight: 198 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-5: 2x4 SP No.1
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 20-21: 2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12, Right 2x8 SP DSS 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-1-7 max.): 8-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 20-21, 8-16

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=-240(LC 10)
Max Uplift 2=-146(LC 12), 11=-193(LC 13)
Max Grav 2=1336(LC 19), 11=1319(LC 1)

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

TOP CHORD	2-4=-1717/226, 4-6=-1665/330, 6-7=-2050/444, 7-8=-2039/270, 8-9=-1631/251, 9-11=-1858/263
BOT CHORD	2-19=-199/1502, 17-19=-31/1085, 16-17=-31/1085, 14-16=-340/3119, 13-14=-337/3125, 11-13=-168/1580
WEBS	4-19=-339/284, 19-20=-199/641, 6-20=-191/686, 6-21=-330/1374, 16-21=-345/1339, 8-16=-1605/311, 8-13=-1730/192, 9-13=-47/794, 7-16=-403/277

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-2-4, Interior(1) 16-2-4 to 28-0-13, Exterior(2) 28-0-13 to 30-9-8, Interior(1) 30-9-8 to 32-5-7 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
8) Load case(s) 2, 3, 18, 19, 20, 21, 22, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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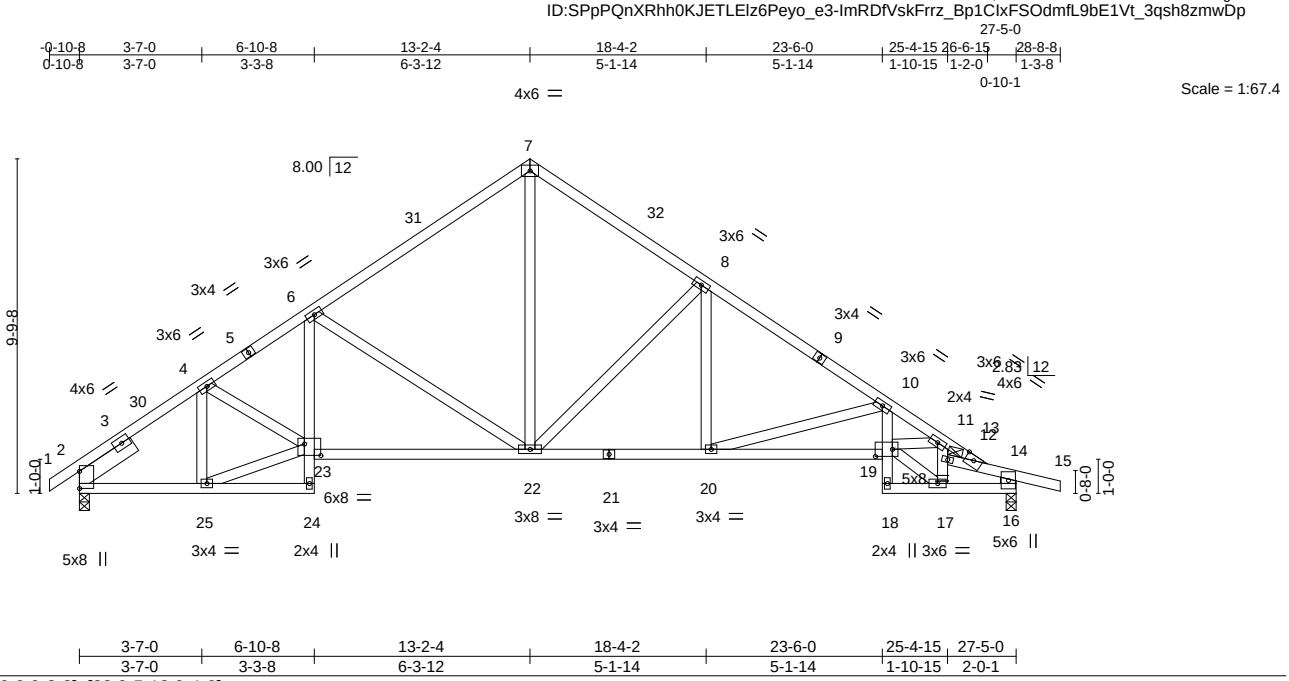
LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-8=-60, 8-9=-60, 9-12=-60, 23-27=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-8=-50, 8-9=-50, 9-12=-50, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-20, 8-9=-20, 9-12=-20, 23-27=-40, 38-39=-40
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-20, 8-9=-20, 9-12=-20, 23-36=-20, 36-37=-60, 27-37=-20, 38-39=-40
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-56, 2-6=-61, 6-8=-42, 8-9=-42, 9-11=-40, 11-12=-36, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30
   Horz: 1-2=6, 2-6=11, 6-8=8, 9-11=10, 11-12=14
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-8=-61, 8-9=-29, 9-11=-46, 11-12=-41, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30
   Horz: 1-2=-13, 2-6=-8, 6-8=-11, 9-11=4, 11-12=9
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-25, 2-6=-29, 6-8=-42, 8-9=-42, 9-11=-42, 11-12=-37, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30
   Horz: 1-2=-25, 2-6=-21, 6-8=8, 9-11=8, 11-12=13
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-8=-29, 8-9=-29, 9-11=-29, 11-12=-25, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30
   Horz: 1-2=-13, 2-6=-8, 6-8=21, 9-11=21, 11-12=25
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-8=-20, 8-9=-20, 9-12=-20, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-50, 8-9=-50, 9-12=-50, 23-36=-20, 36-37=-50, 27-37=-20, 38-39=-30

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B11T	FINK	1	1	I44714142
					Job Reference (optional)

8.240 s Mar 9 2020 MiTek Industries, Inc. Tue Feb 9 08:54:02 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-ImRDfVskFrrz_Bp1ClxFSOdmfL9bE1Vt_3qsh8zmwDp



3-7-0	6-10-8	13-2-4	18-4-2	23-6-0	25-4-15	27-5-0
3-7-0	3-3-8	6-3-12	5-1-14	5-1-14	1-10-15	2-0-1

Plate Offsets (X,Y)-- [19:0-6-0,0-2-8], [23:0-5-12,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.09	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.21	22-23	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.12	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.07	19-20	>999	240	Weight: 179 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 6-24,10-18: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 14-16: 2x6 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-0-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 16=0-3-8
Max Horz 2=-241(LC 10)
Max Uplift 2=-139(LC 12), 16=-160(LC 13)
Max Grav 2=1138(LC 1), 16=1180(LC 1)

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

TOP CHORD	3-30=-1363/159, 4-30=-1297/169, 4-5=-1702/233, 5-6=-1612/245, 6-31=-1183/194, 7-31=-1065/214, 7-32=-1065/225, 8-32=-1157/194, 8-9=-1584/199, 9-10=-1665/177, 10-11=-2577/271, 11-12=-1690/177, 12-13=-49/272, 12-14=-1298/126, 14-16=-1043/198
BOT CHORD	2-25=-203/1113, 6-23=-18/368, 22-23=-221/1496, 21-22=-34/1318, 20-21=-34/1318, 19-20=-195/2241, 10-19=0/553, 16-17=-92/1109
WEBS	4-25=-430/101, 23-25=-183/1132, 4-23=-3/435, 6-22=-719/266, 7-22=-104/886, 8-22=-633/216, 8-20=0/410, 10-20=-960/215, 13-17=-824/89, 11-13=-730/76, 11-19=-80/980, 17-19=-80/1252

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-2-4, Interior(1) 16-2-4 to 28-8-8 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 16.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 9,2021

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Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	B12H	MOD. QUEEN	1	1	I44714143
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:43 2021 Page 1
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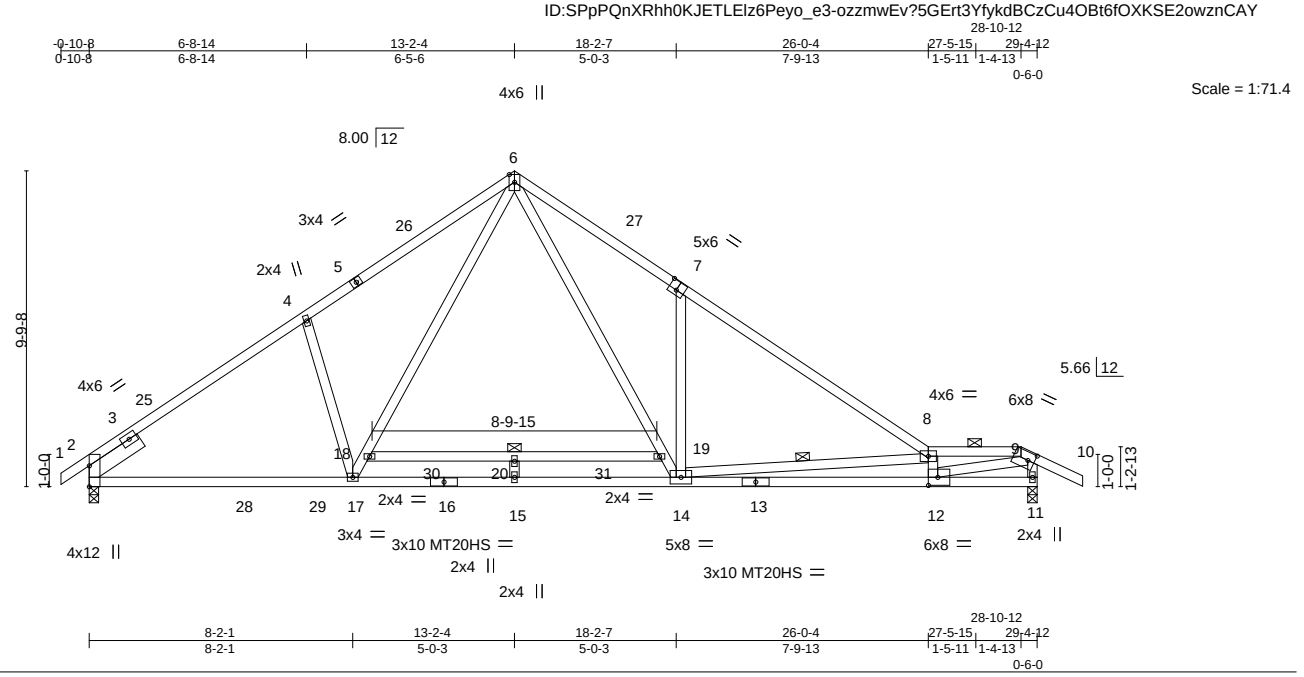

Plate Offsets (X,Y)-- [7:0-3-0,0-3-4], [9:0-2-7,0-3-0], [12:0-3-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.45	15	>777	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.68	15	>513	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.18	12-14	>999	240	Weight: 183 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-5: 2x4 SP No.1, 7-8: 2x4 SP SS
BOT CHORD 2x4 SP No.2 *Except*
11-13: 2x4 SP No.1, 13-16: 2x4 SP SS
WEBS 2x4 SP No.3 *Except*
9-12: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-1-3 max.): 8-9.
BOT CHORD Rigid ceiling directly applied or 9-8-1 oc bracing.
WEBS 1 Row at midpt 18-19, 8-14

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=-264(LC 8)
Max Uplift 2=-143(LC 12), 11=-176(LC 13)
Max Grav 2=1258(LC 19), 11=1265(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1591/207, 4-6=-1543/319, 6-7=-1841/420, 7-8=-1757/209, 8-9=-3298/405, 9-11=-1275/219
BOT CHORD 2-17=-177/1409, 15-17=-10/1028, 14-15=-10/1028, 12-14=-419/3444, 11-12=-35/460
WEBS 4-17=-350/286, 17-18=-200/638, 6-18=-195/695, 6-19=-313/1201, 14-19=-319/1145, 8-14=-2071/389, 7-14=-503/339, 8-12=-955/210, 9-12=-372/3001

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-4, Exterior(2) 13-2-4 to 16-2-4, Interior(1) 16-2-4 to 28-10-12, Exterior(2) 28-10-12 to 30-9-11 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
8) N/A
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-8=-60, 8-9=-60, 11-21=-20, 9-10=-60
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-8=-50, 8-9=-50, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-10=-50
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-20, 8-9=-20, 11-21=-40, 30-31=-40, 9-10=-20
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-20, 8-9=-20, 21-28=-20, 28-29=-60, 11-29=-20, 30-31=-40, 9-10=-20
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-56, 2-6=-61, 6-8=-42, 8-9=-42, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-11=-7, 9-10=-36
   Horz: 1-2=6, 2-6=11, 6-8=8, 9-11=7, 9-10=14
   Drag: 8-9=0
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-8=-61, 8-9=-29, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-11=21, 9-10=-41
   Horz: 1-2=-13, 2-6=-8, 6-8=-11, 9-11=-21, 9-10=9
   Drag: 8-9=0
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-25, 2-6=-29, 6-8=-42, 8-9=-42, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-11=-6, 9-10=-37
   Horz: 1-2=-25, 2-6=-21, 6-8=8, 9-11=6, 9-10=13
   Drag: 8-9=0
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-37, 2-6=-42, 6-8=-29, 8-9=-29, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-11=19, 9-10=-25
   Horz: 1-2=-13, 2-6=-8, 6-8=21, 9-11=-19, 9-10=25
   Drag: 8-9=0
25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-50, 6-8=-20, 8-9=-20, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-10=-20
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-20, 6-8=-50, 8-9=-50, 21-28=-20, 28-29=-50, 11-29=-20, 30-31=-30, 9-10=-50

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	C01G	GABLE	1	1	I44714144
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:45 2021 Page 1
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0-10-8 13-2-0 13-2-0 0-10-8

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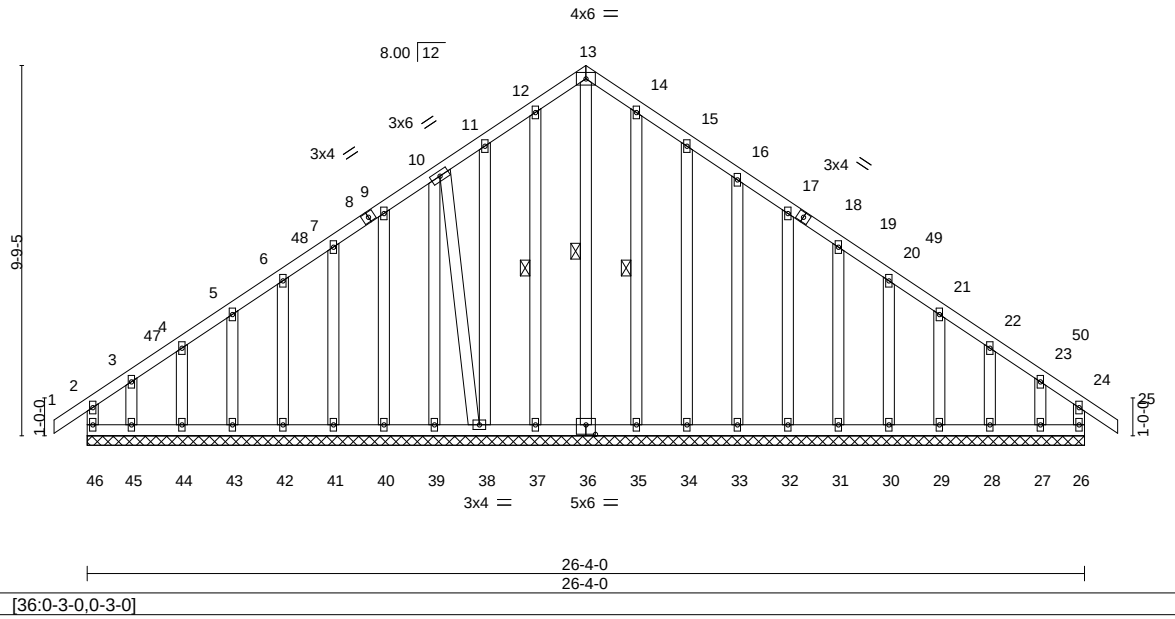

Plate Offsets (X,Y)-- [36:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.00	25	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	25	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 243 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 13-36, 12-37, 14-35

REACTIONS. All bearings 26-4-0.
(lb) - Max Horz 46=-264(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 26, 37, 38, 39, 40, 41, 42, 43, 44, 34, 33, 32, 31, 30, 29, 28 except 46=-158(LC 8), 45=-165(LC 9), 27=-143(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 46, 26, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 35, 34, 33, 32, 31, 30, 29, 28, 27

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-233/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-0, Exterior(2) 13-2-0 to 17-2-0, Interior(1) 17-2-0 to 27-2-8 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

February 9,2021

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Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	C02	COMMON	1	1	I44714145 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:46 2021 Page 1
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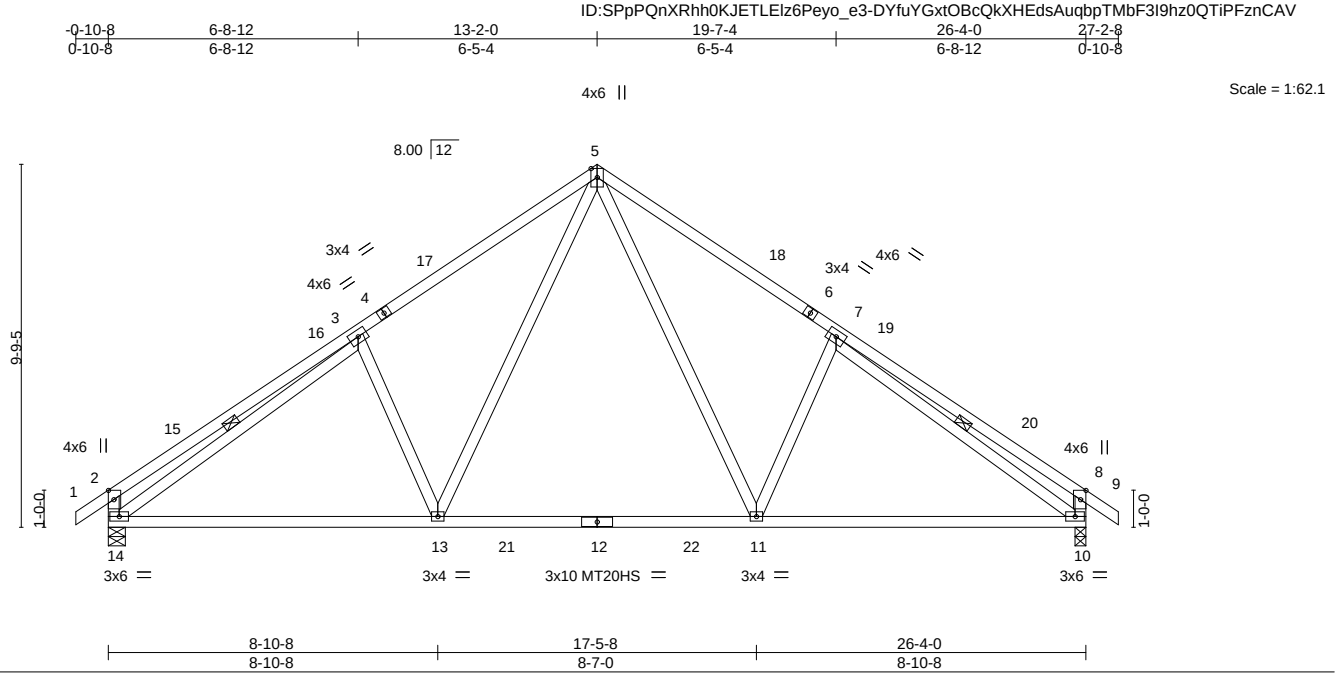

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [8:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.28	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.36	11-13	>862	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.03	11-13	>999	240	Weight: 161 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-10, 3-14

REACTIONS. (size) 14=0-5-8, 10=0-3-8
Max Horz 14=-264(LC 10)
Max Uplift 14=-74(LC 12), 10=-74(LC 13)
Max Grav 14=1103(LC 1), 10=1103(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-470/227, 2-3=-514/236, 3-5=-1249/273, 5-7=-1250/273, 7-8=-514/236, 8-10=-470/226
BOT CHORD 13-14=-78/1189, 11-13=0/810, 10-11=-49/1038
WEBS 5-11=-105/609, 7-11=-325/223, 7-10=-1011/18, 5-13=-105/609, 3-13=-326/222, 3-14=-1012/18

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-0, Exterior(2) 13-2-0 to 17-4-15, Interior(1) 17-4-15 to 27-2-8 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 10. This connection is for uplift only and does not consider lateral forces.

February 9,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	C03T	SPECIAL	3	1	I44714146
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:48 2021 Page 1
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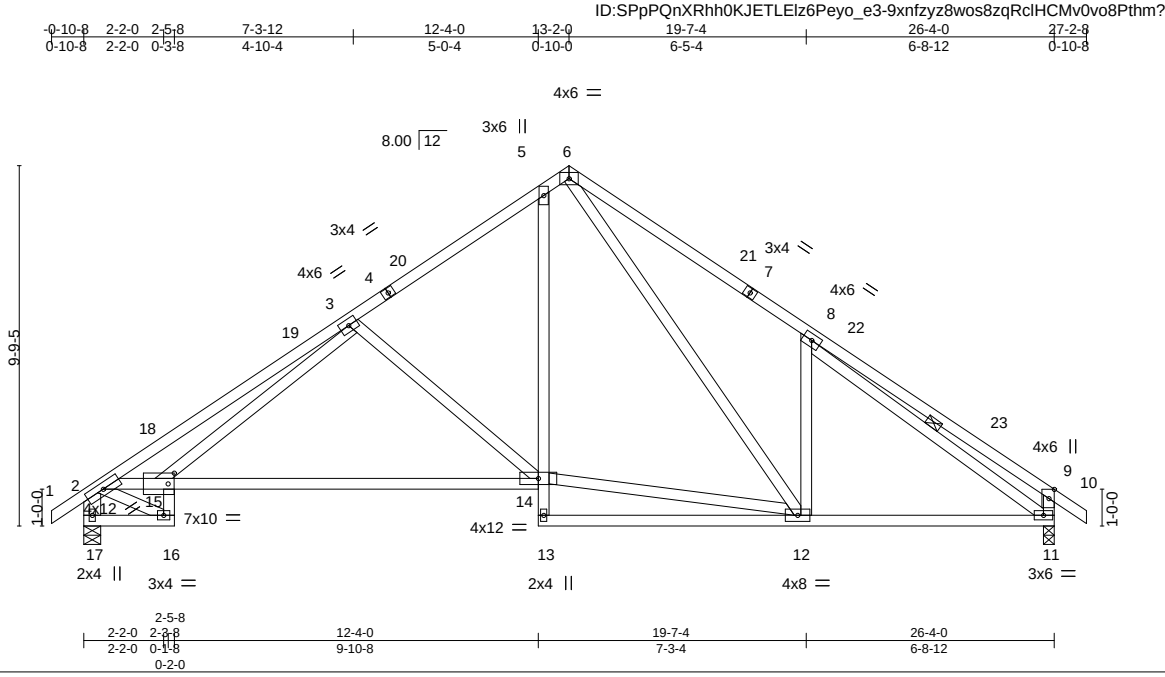

Plate Offsets (X,Y)-- [9:0-3-0,Edge], [15:0-2-0,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.30	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.65	14-15	>480	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.11	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	14-15	>999	240	Weight: 177 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
15-16,5-13: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-17: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 14-15.
WEBS 1 Row at midpt 8-11

REACTIONS. (size) 17=0-5-8, 11=0-3-8
Max Horz 17=-268(LC 10)
Max Uplift 17=-72(LC 12), 11=-74(LC 13)
Max Grav 17=1105(LC 1), 11=1099(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-1116/205, 2-3=-2091/121, 3-5=-1124/215, 5-6=-649/223, 6-8=-1333/332, 8-9=-487/252, 9-11=-463/234
BOT CHORD 16-17=-288/402, 2-15=-18/1827, 14-15=-85/1264, 5-14=-22/617, 11-12=-38/1039
WEBS 3-15=-12/819, 3-14=-553/197, 12-14=0/734, 6-12=-233/507, 8-12=-347/258, 8-11=-952/0, 2-16=-452/241

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-2-0, Exterior(2) 13-2-0 to 17-4-15, Interior(1) 17-4-15 to 27-2-8 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 11. This connection is for uplift only and does not consider lateral forces.

February 9,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	C04GRT	SPECIAL	1	3	I44714147
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:49 2021 Page 1
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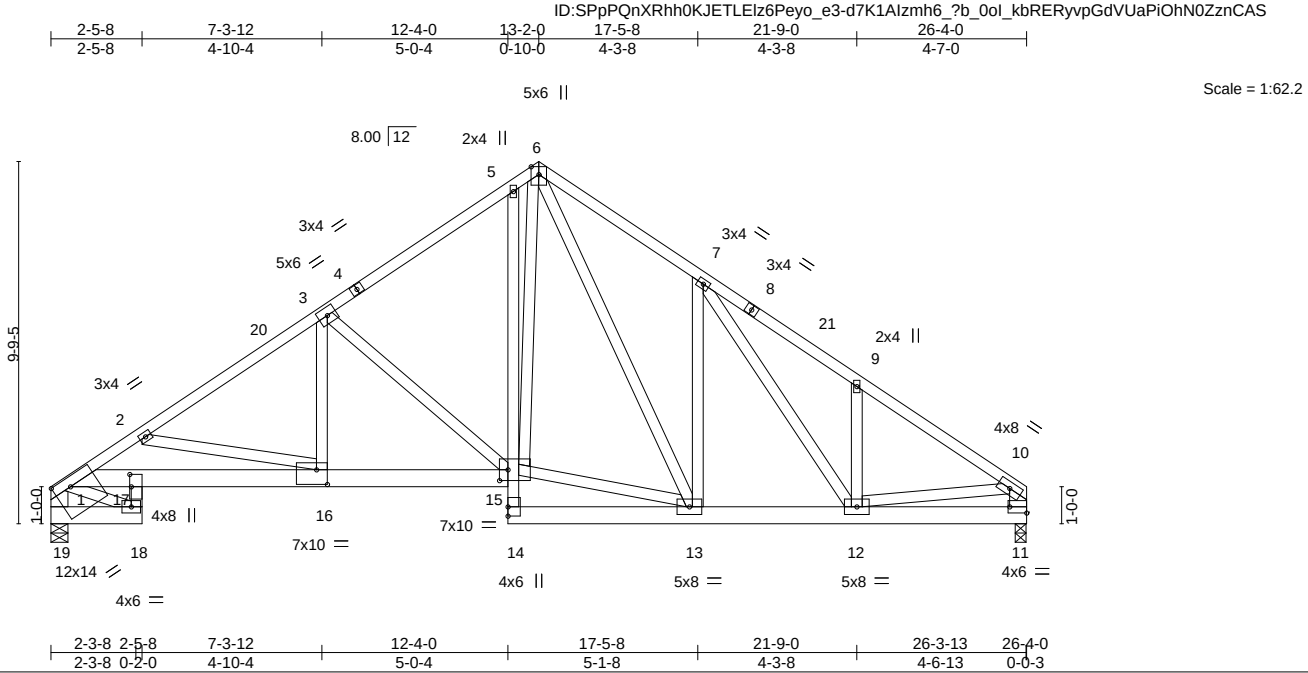

Plate Offsets (X,Y)-- [11:Edge,0-2-0], [15:0-2-12,0-3-8], [16:0-3-8,0-4-12], [17:0-4-0,0-0-8], [19:0-2-5,0-1-8], [19:0-5-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.16	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.32	16-17	>979	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.18	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.15	16-17	>999	240	Weight: 658 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-4: 2x4 SP SS
BOT CHORD 2x6 SP No.2 *Except*
17-18,5-14: 2x4 SP No.2, 1-15: 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
1-19,10-11: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 19=0-5-8, 11=0-3-8
Max Horz 19=-244(LC 6)
Max Uplift 19=-1425(LC 8), 11=-1172(LC 9)
Max Grav 19=8738(LC 17), 11=7266(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-8397/1380, 1-2=-13319/2280, 2-3=-12567/2063, 3-5=-7894/1310, 5-6=-7393/1298, 6-7=-8212/1447, 7-9=-8921/1566, 9-10=-8979/1442, 10-11=-6107/1004
BOT CHORD 18-19=-436/2151, 17-18=-281/1469, 1-17=-1887/10384, 16-17=-2065/11365, 15-16=-1707/10383, 14-15=-140/1003, 5-15=-78/602, 13-14=-97/628, 12-13=-1014/6853, 11-12=-238/1264
WEBS 2-16=-1178/369, 3-16=-946/5741, 3-15=-5127/972, 13-15=-793/5456, 6-15=-1094/6097, 6-13=-510/2148, 7-13=-740/261, 7-12=-312/1035, 10-12=-929/6236, 1-18=-1417/304

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=1425.
8) Two RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 11. This connection is for uplift only and does not consider lateral forces.
9) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.

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Continued on page 2

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LOAD CASE(S) Standard

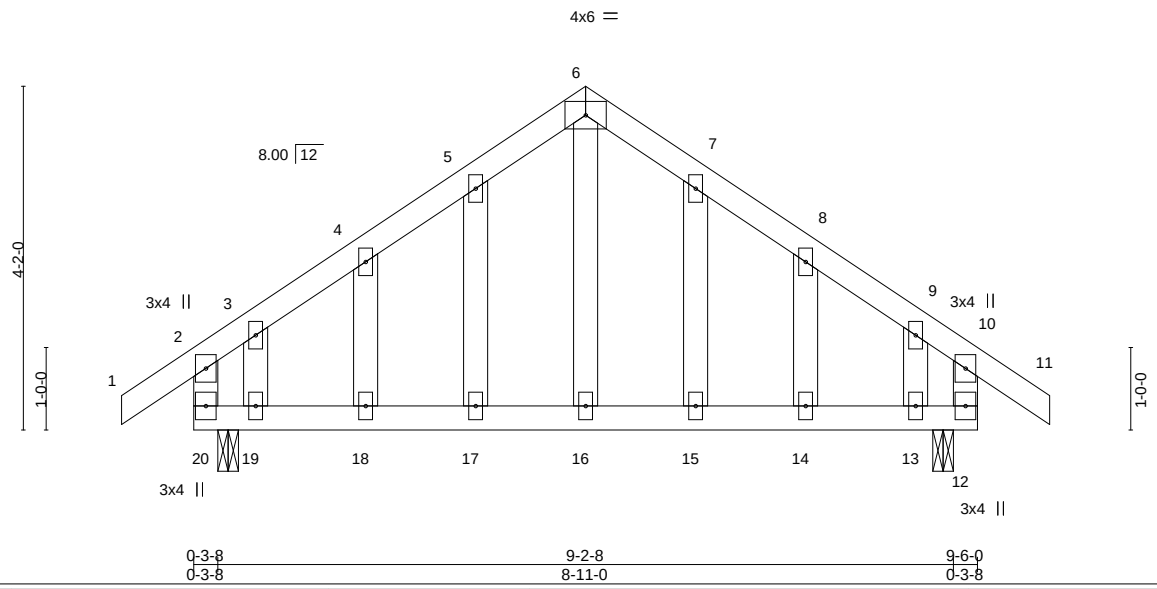
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-6=-60, 6-10=-60, 18-19=-640(F=-620), 15-17=-637(F=-617), 11-14=-423(F=-403)

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	D08G	GABLE	1	1	I44714148
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:50 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-5JuPOe_OSP6sC8b?siFq_R_D?Ck9E2OZx2RwY0znCAR

-0-10-8 0-10-8 | 4-9-0 4-9-0 | 9-6-0 4-9-0 | 10-4-8 0-10-8

Scale = 1:27.9



0-3-8 0-3-8 | 9-2-8 8-11-0 | 9-6-0 0-3-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.02	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.03	17-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R		Wind(LL)	0.02	18	>999	240	Weight: 58 lb	FT = 20%

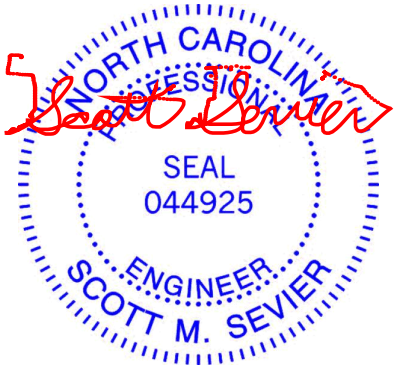
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 20=0-3-0, 12=0-3-0
Max Horz 20=-123(LC 10)
Max Uplift 20=-62(LC 12), 12=-62(LC 13)
Max Grav 20=430(LC 1), 12=430(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-357/57, 3-4=-329/70, 4-5=-298/103, 5-6=-311/140, 6-7=-311/140, 7-8=-298/103, 8-9=-329/70, 9-10=-357/57, 2-20=-356/120, 10-12=-356/120
BOT CHORD 19-20=0/250, 18-19=0/250, 17-18=0/250, 16-17=0/250, 15-16=0/250, 14-15=0/250, 13-14=0/250, 12-13=0/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-0, Exterior(2) 2-1-0 to 4-9-0, Corner(3) 4-9-0 to 7-9-0, Exterior(2) 7-9-0 to 10-4-8 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 20 and 12. This connection is for uplift only and does not consider lateral forces.



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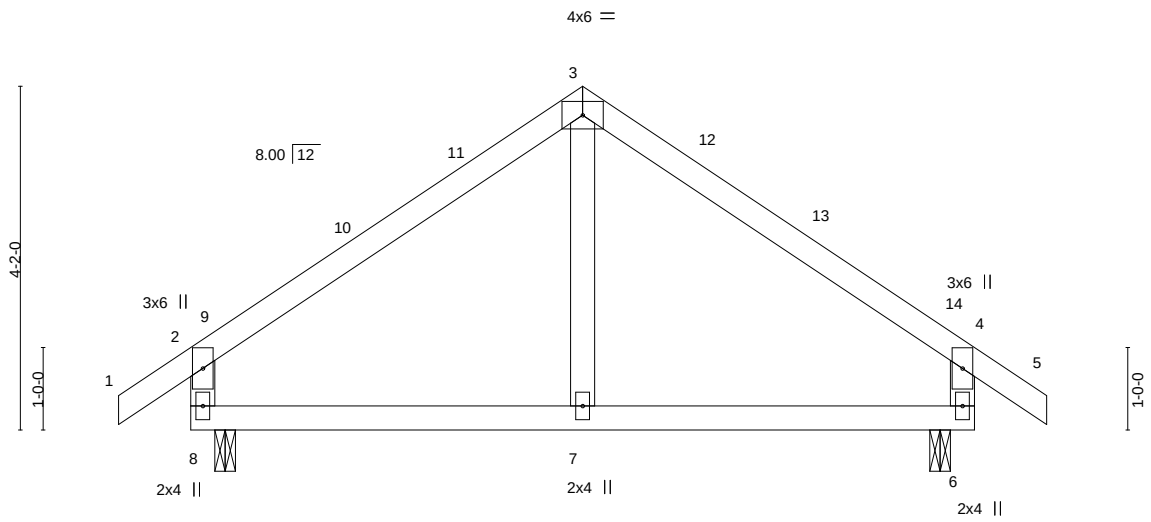
Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	D10	COMMON	1	1	I44714149
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:51 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-ZWSnbz?0DjEiqI9BQPm3XfXMZc53zUXi9iAT4SznCAQ

-0-10-8 | 4-9-0 | 9-6-0 | 10-4-8
0-10-8 | 4-9-0 | 4-9-0 | 0-10-8

Scale = 1:27.9



0-3-8 | 4-9-0 | 9-2-8 | 9-6-0
0-3-8 | 4-5-8 | 4-5-8 | 0-3-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.01	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.03	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	-0.01	7-8	>999	240	Weight: 42 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-0, 6=0-3-0
Max Horz 8=-123(LC 10)
Max Uplift 8=-56(LC 12), 6=-56(LC 13)
Max Grav 8=430(LC 1), 6=430(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-374/153, 2-3=-362/96, 3-4=-362/96, 4-6=-374/153

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-9-0, Exterior(2) 4-9-0 to 8-11-15, Interior(1) 8-11-15 to 10-4-8 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	GBL01	GABLE	1	1	I44714150
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:52 2021 Page 1
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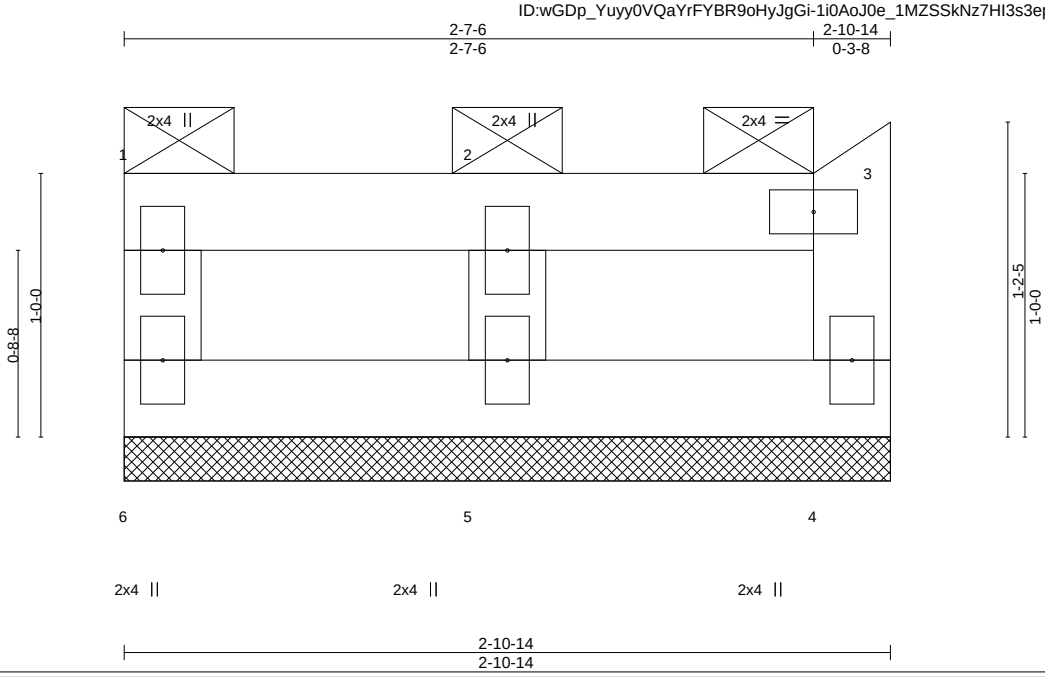

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins: 1-3, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=2-10-14, 4=2-10-14, 5=2-10-14
Max Horz 6=-26(LC 8)
Max Uplift 6=-13(LC 8), 4=-12(LC 9), 5=-24(LC 9)
Max Grav 6=44(LC 1), 4=44(LC 1), 5=121(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) N/A
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J01	JACK	2	1	I44714151
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:52 2021 Page 1
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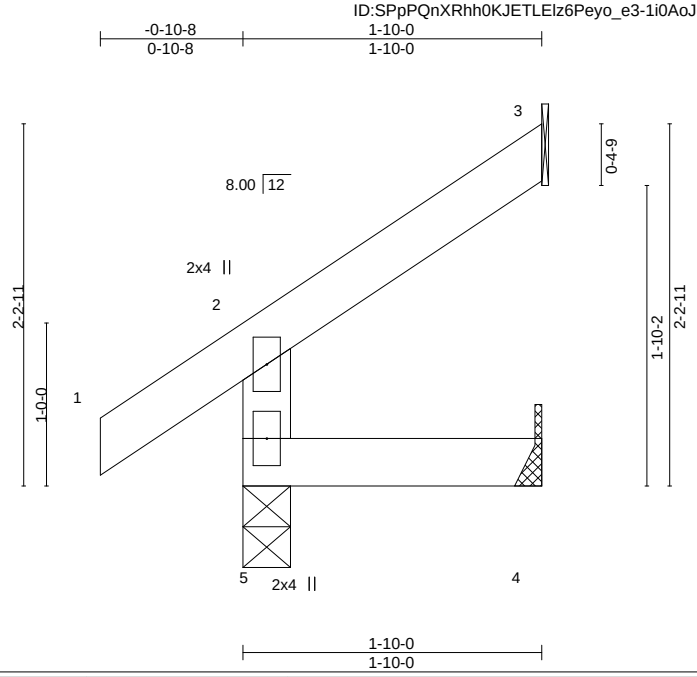

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 9 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=57(LC 12)
Max Uplift 5=-3(LC 12), 3=-40(LC 12), 4=-5(LC 12)
Max Grav 5=147(LC 1), 3=44(LC 19), 4=30(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J02	MONO HIP	1	1	I44714152
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:53 2021 Page 1
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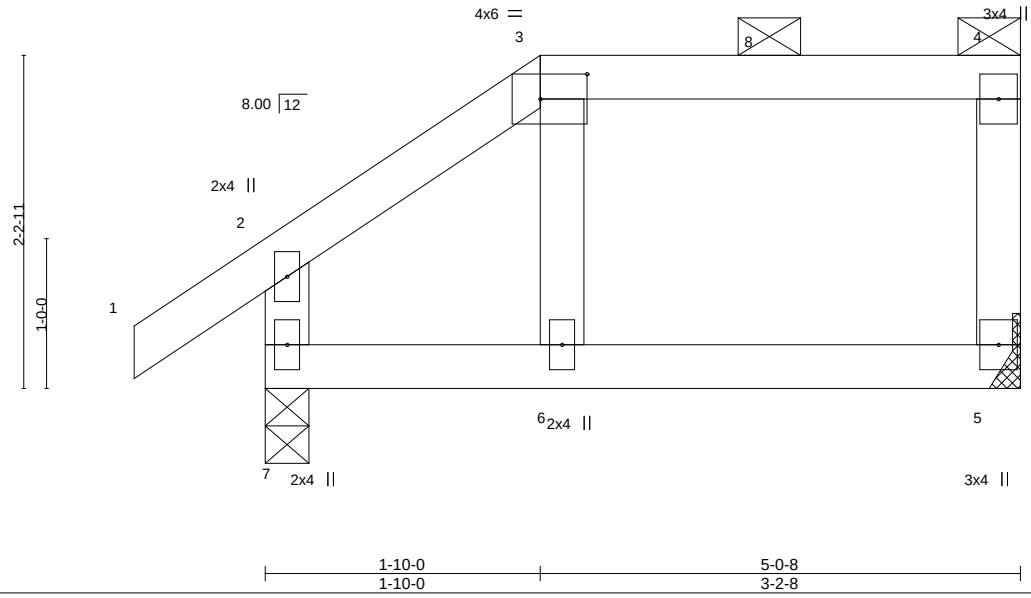

Plate Offsets (X,Y)-- [3:0-3-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.02	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.04	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.02	6	>999	240	Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-8, 5=Mechanical
Max Horz 7=84(LC 5)
Max Uplift 7=-83(LC 8), 5=-71(LC 5)
Max Grav 7=429(LC 1), 5=310(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-312/77

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7. This connection is for uplift only and does not consider lateral forces.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-96(F=-36), 2-3=-96(F=-36), 3-4=-96(F=-36), 5-7=-39(F=-19)

February 9,2021

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J03	MONO HIP	1	1	I44714153
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:54 2021 Page 1

ID:SPpPQnXRhh0KJETLElz6Peyo_e3-_58wD?1uVecHhlum5XJm8H9vbq55AsL8rgP7hnznCAN

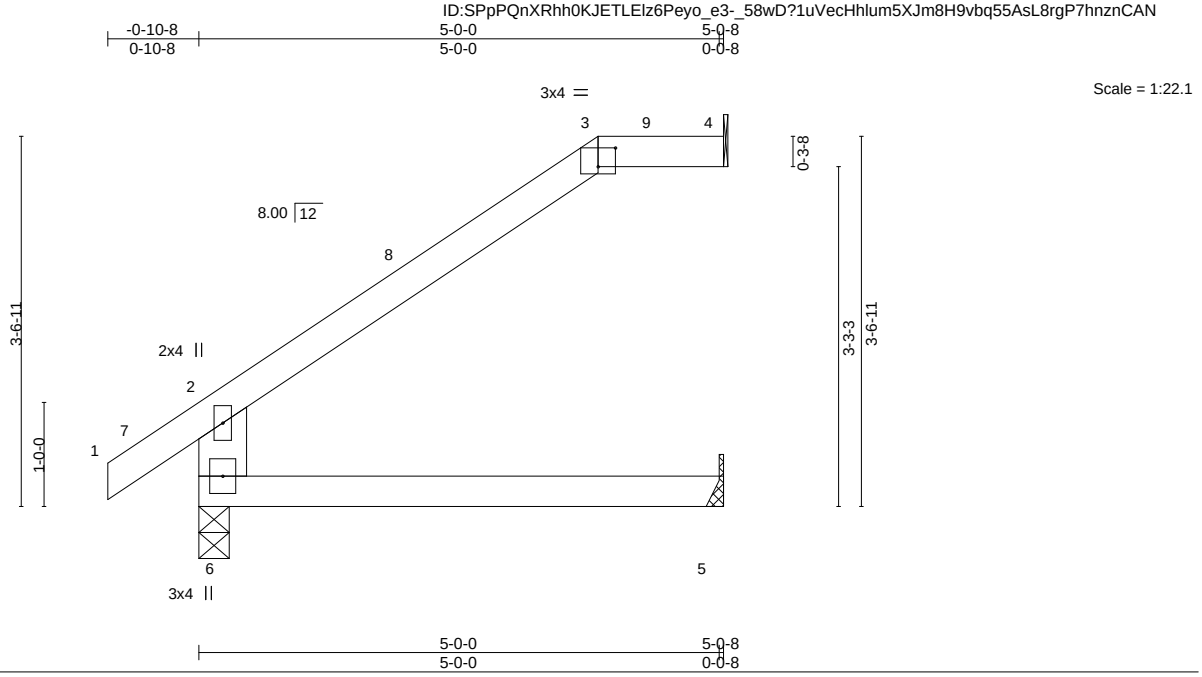

Plate Offsets (X,Y)-- [3:0-2-0,0-2-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.02	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.08	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.04	5-6	>999	240	Weight: 20 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-8, 5=Mechanical, 4=Mechanical
Max Horz 6=105(LC 12)
Max Uplift 6=-21(LC 12), 4=-71(LC 12)
Max Grav 6=265(LC 1), 5=89(LC 3), 4=127(LC 1)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-10-0, Exterior(2) 3-10-0 to 5-0-4 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6. This connection is for uplift only and does not consider lateral forces.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J05	JACK	6	1	I44714154
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:55 2021 Page 1
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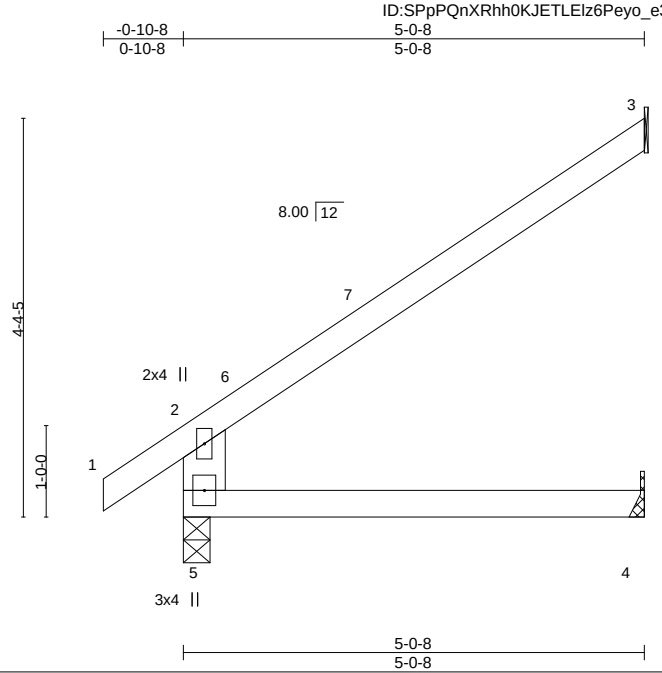

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	0.04	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.05	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=139(LC 12)
Max Uplift 3=-100(LC 12)
Max Grav 5=265(LC 1), 3=141(LC 19), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-0-4 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J06T	MONO TRUSS	6	1	I44714155 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:56 2021 Page 1
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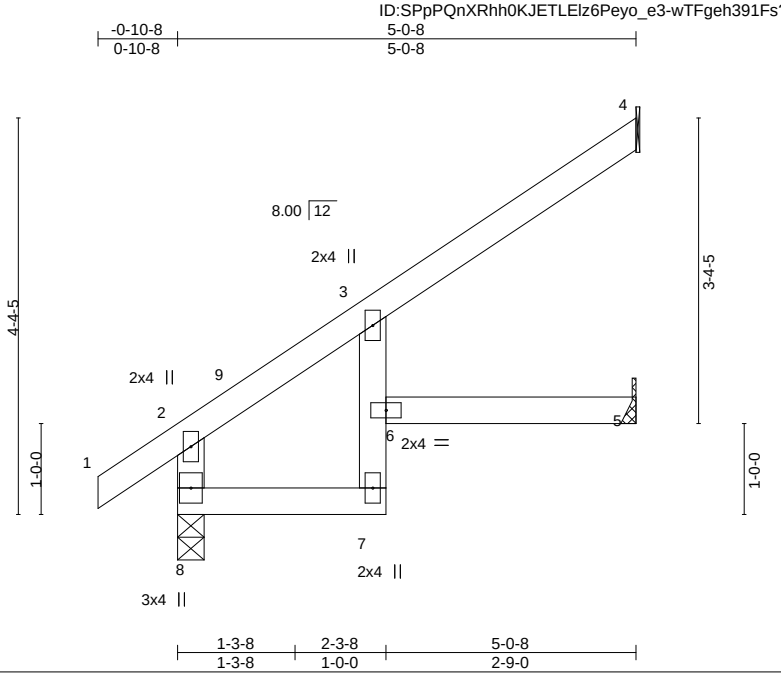

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	0.14	7	>412	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.13	7	>436	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.09	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 8=0-3-8, 5=Mechanical
Max Horz 8=140(LC 12)
Max Uplift 4=-117(LC 12)
Max Grav 4=180(LC 19), 8=262(LC 1), 5=56(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-254/83

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-12, Interior(1) 2-1-12 to 5-0-4 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=117.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J08	COMMON	1	1	I44714156
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:57 2021 Page 1
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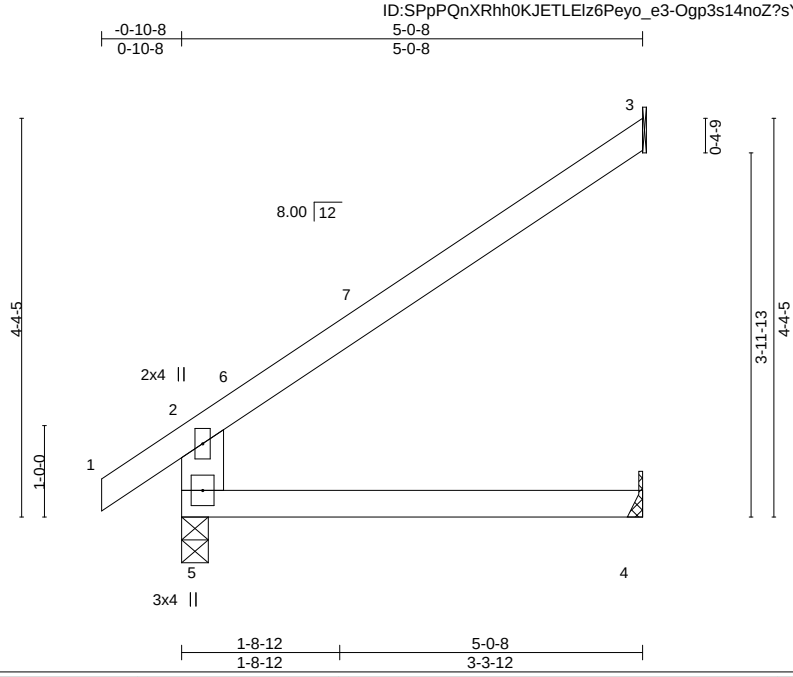

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	0.04	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.05	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.04	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=139(LC 12)
Max Uplift 3=-100(LC 12)
Max Grav 5=265(LC 1), 3=141(LC 19), 4=89(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-0-4 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	J09G	GABLE	1	1	I44714157
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:58 2021 Page 1
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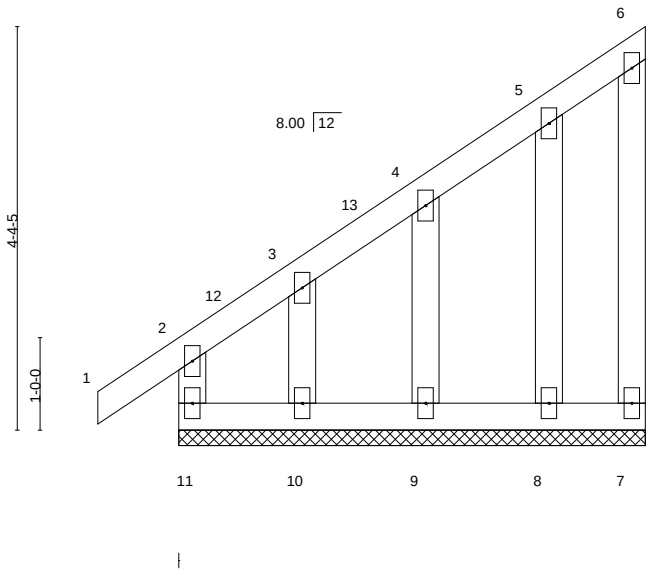

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 35 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-0-8.
(lb) - Max Horz 11=137(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11, 7, 9, 8 except 10=-159(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 7, 10, 9, 8

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-10-12 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	SR01G	GABLE	1	1	I44714158
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:59 2021 Page 1
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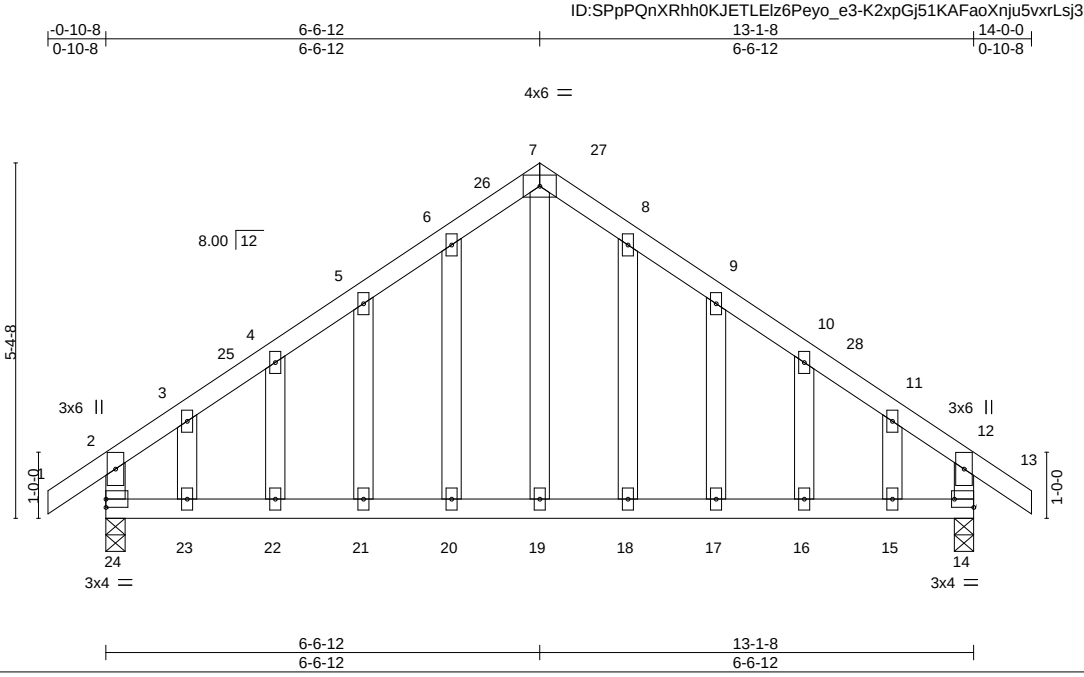

Plate Offsets (X,Y)-- [14:Edge,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.07	21-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.10	21-22	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.09	21-22	>999	240	Weight: 86 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 24=0-3-8, 14=0-3-8
Max Horz 24=154(LC 11)
Max Uplift 24=-63(LC 12), 14=-63(LC 13)
Max Grav 24=575(LC 1), 14=575(LC 1)

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

TOP CHORD	2-24=-475/114, 2-3=-532/56, 3-4=-489/76, 4-5=-462/106, 5-6=-441/132, 6-7=-460/167, 7-8=-459/169, 8-9=-441/134, 9-10=-462/107, 10-11=-489/78, 11-12=-532/57, 12-14=-475/115
BOT CHORD	23-24=-7/378, 22-23=-7/378, 21-22=-7/378, 20-21=-7/378, 19-20=-7/378, 18-19=-7/378, 17-18=-7/378, 16-17=-7/378, 15-16=-7/378, 14-15=-7/378
WEBS	7-19=-108/326

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-6-12, Exterior(2) 6-6-12 to 10-6-12, Interior(1) 10-6-12 to 14-0-0 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 24 and 14. This connection is for uplift only and does not consider lateral forces.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	SR02	COMMON	4	1	I44714159
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:28:59 2021 Page 1
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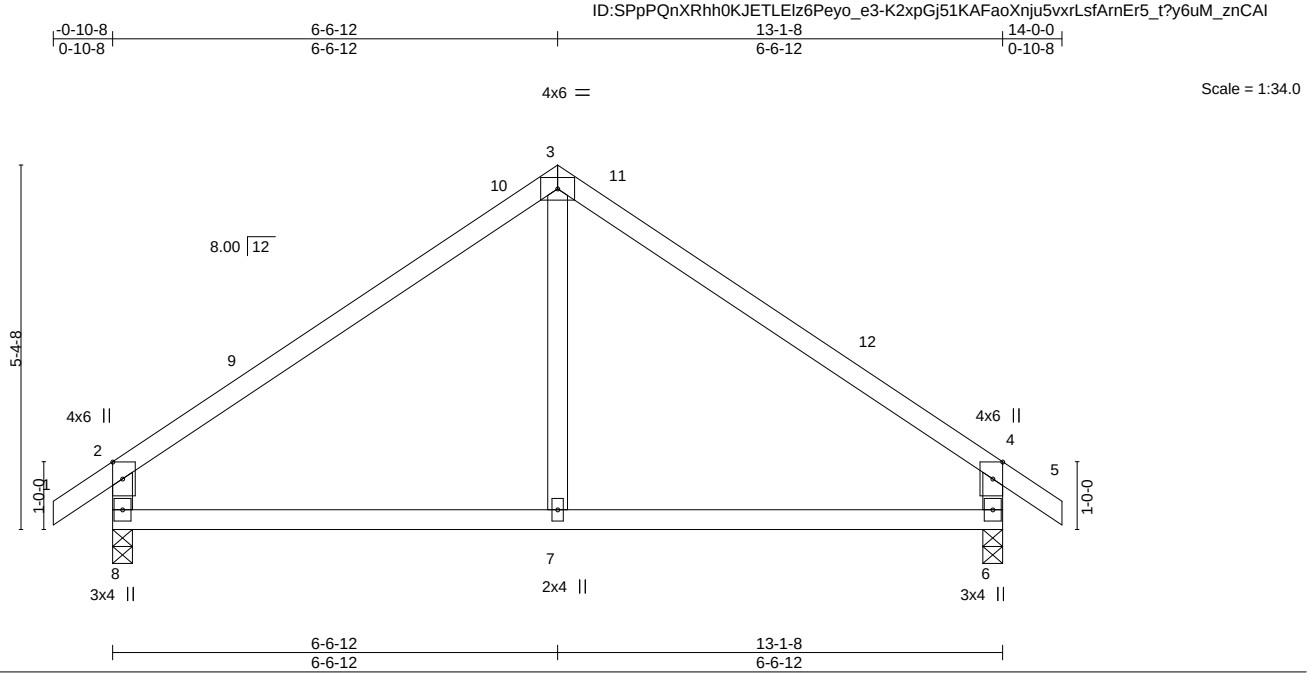

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [4:0-3-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.04	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.08	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	-0.03	7-8	>999	240	Weight: 55 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=-154(LC 10)
Max Uplift 8=-63(LC 12), 6=-63(LC 13)
Max Grav 8=575(LC 1), 6=575(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-511/173, 2-3=-543/116, 3-4=-543/117, 4-6=-511/174
BOT CHORD 7-8=0/368, 6-7=0/368
WEBS 3-7=0/270

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-6-12, Exterior(2) 6-6-12 to 10-9-11, Interior(1) 10-9-11 to 14-0-0 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 and 6. This connection is for uplift only and does not consider lateral forces.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V01	GABLE	1	1	I44714160
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:00 2021 Page 1
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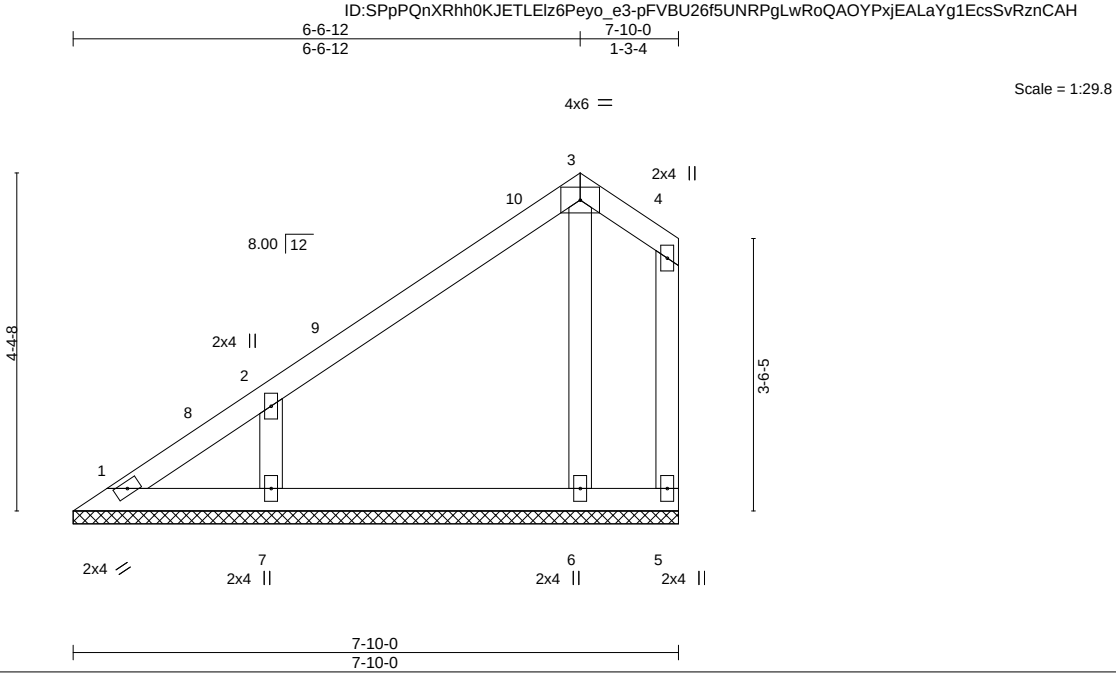

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 37 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 7-10-0.
(lb) - Max Horz 1=146(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 7=-128(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=268(LC 19), 7=323(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-261/175

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 6-6-12, Exterior(2) 6-6-12 to 7-8-4 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V02	GABLE	1	1	I44714161
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:01 2021 Page 1
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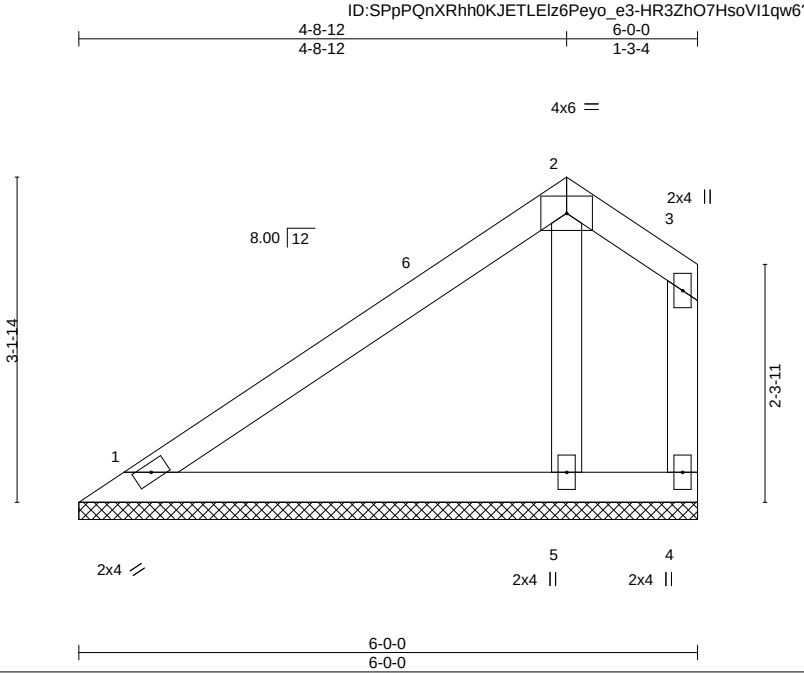

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-0-0, 4=6-0-0, 5=6-0-0
Max Horz 1=99(LC 9)
Max Uplift 1=-25(LC 12), 4=-39(LC 8), 5=-2(LC 9)
Max Grav 1=161(LC 1), 4=30(LC 20), 5=273(LC 19)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 4-8-12, Exterior(2) 4-8-12 to 5-10-4 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V03	GABLE	1	1	I44714162
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:02 2021 Page 1
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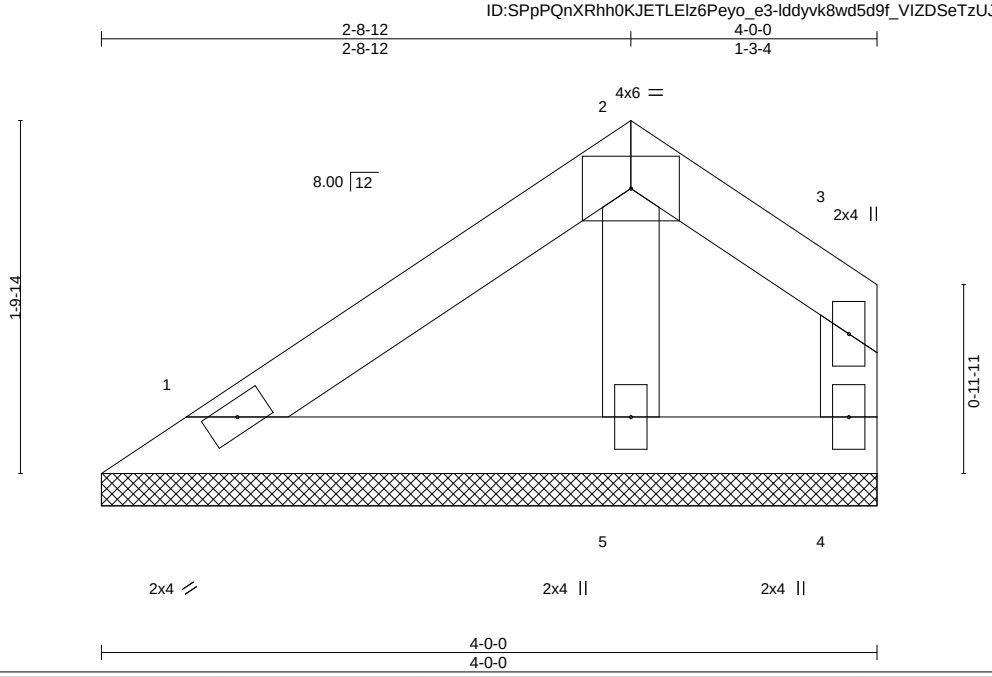

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 15 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.3
BOT CHORD	2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

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

REACTIONS. (size) 1=4-0-0, 4=4-0-0, 5=4-0-0
Max Horz 1=48(LC 9)
Max Uplift 1=-16(LC 12), 4=-20(LC 13), 5=-2(LC 12)
Max Grav 1=86(LC 1), 4=45(LC 20), 5=153(LC 19)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V29	VALLEY	1	1	I44714163
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:03 2021 Page 1
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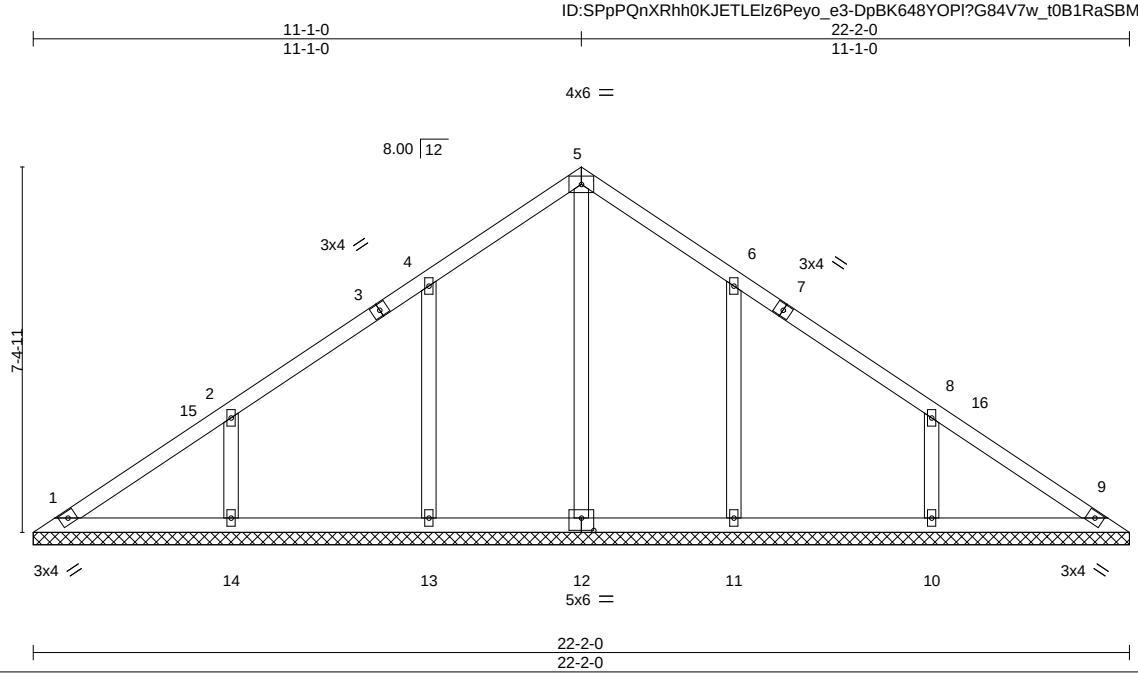

Plate Offsets (X,Y)-- [12:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 102 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 22-2-0.
(lb) - Max Horz 1=178(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 10=-140(LC 13), 11=-124(LC 13), 14=-140(LC 12), 13=-124(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 12=318(LC 22), 10=361(LC 20), 11=358(LC 20), 14=360(LC 19), 13=359(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 8-10=-273/185, 2-14=-272/185

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 11-1-0, Exterior(2) 11-1-0 to 14-2-0, Interior(1) 14-2-0 to 21-8-4 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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V30	VALLEY	1	1	I44714164
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:04 2021 Page 1
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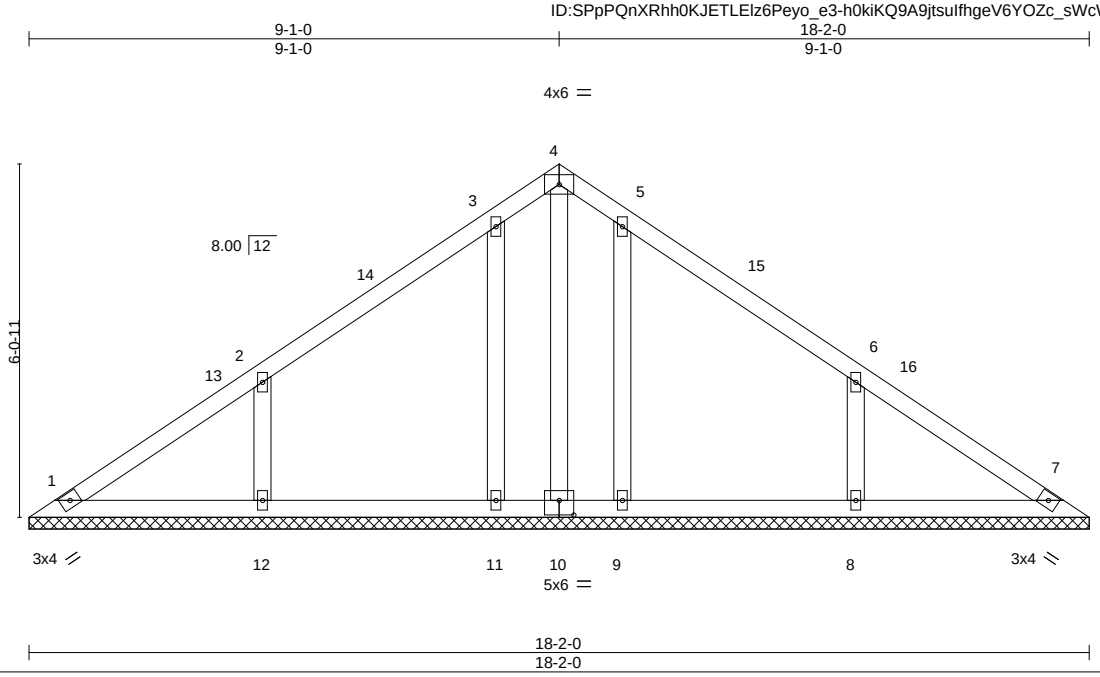

Plate Offsets (X,Y)-- [10:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 87 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 18-2-0.
(lb) - Max Horz 1=-144(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 9, 11 except 8=-145(LC 13), 12=-144(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10 except 8=370(LC 20), 9=286(LC 20), 12=370(LC 19), 11=289(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-278/190, 2-12=-278/189

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 9-1-0, Exterior(2) 9-1-0 to 12-1-0, Interior(1) 12-1-0 to 17-8-4 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) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

February 9,2021

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V31	VALLEY	1	1	I44714165
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:04 2021 Page 1
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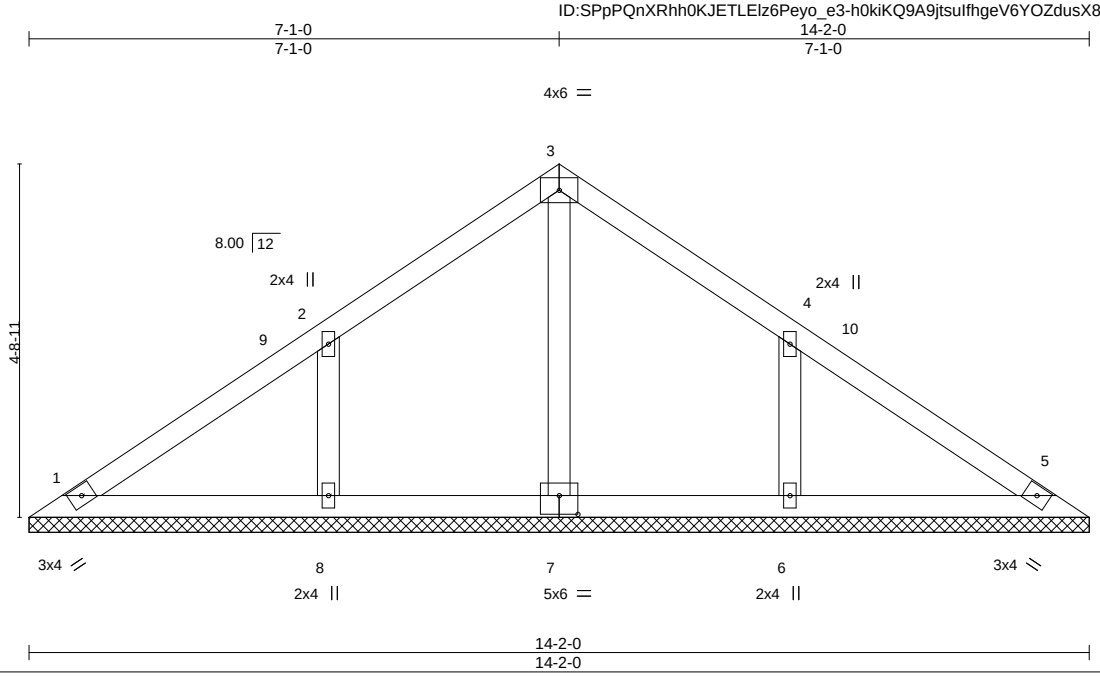

Plate Offsets (X,Y)-- [7:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 57 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-2-0.
(lb) - Max Horz 1=111(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 6=-134(LC 13), 8=-134(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=340(LC 20), 8=341(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-256/172, 2-8=-256/172

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 7-1-0, Exterior(2) 7-1-0 to 10-2-0, Interior(1) 10-2-0 to 13-8-4 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

February 9,2021

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V32	GABLE	1	1	I44714166
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:05 2021 Page 1
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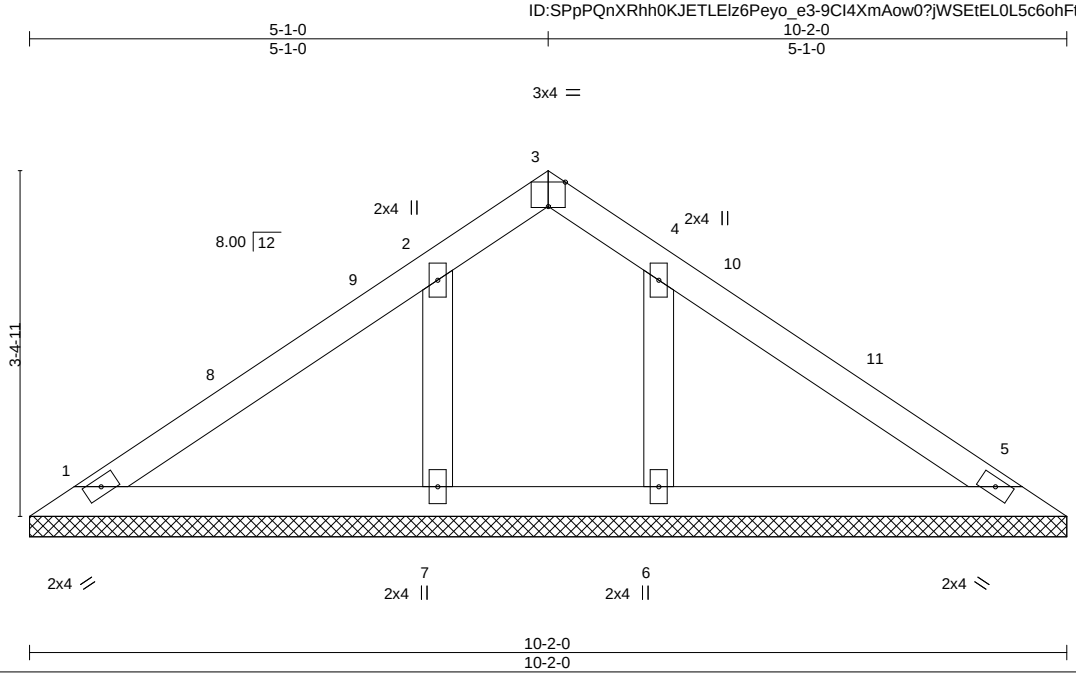


Plate Offsets (X,Y)-- [3:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 10-2-0.
(lb) - Max Horz 1=-77(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 6=-108(LC 13), 7=-112(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=298(LC 20), 7=302(LC 19)

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

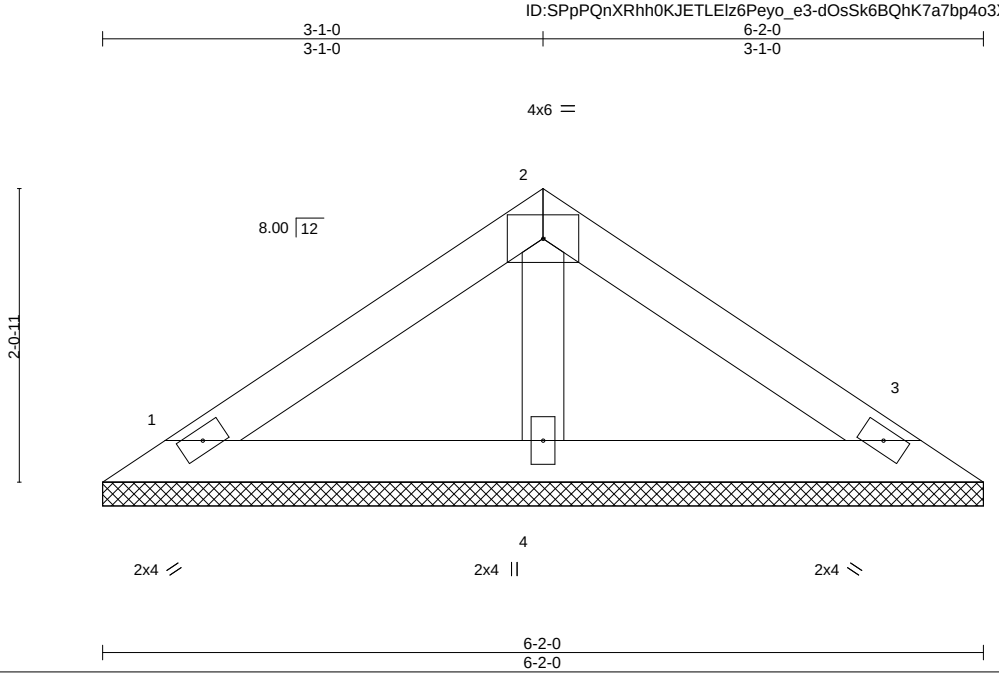
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 5-1-0, Exterior(2) 5-1-0 to 8-1-0, Interior(1) 8-1-0 to 9-8-4 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) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

February 9,2021

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V33	VALLEY	1	1	I44714167
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:06 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-dOsSk6BQhK7a7bp4o3Xadpf_dfEO_HvvcXJm64znCAB



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-2-0, 3=6-2-0, 4=6-2-0
Max Horz 1=-44(LC 10)
Max Uplift 1=-26(LC 12), 3=-32(LC 13)
Max Grav 1=111(LC 1), 3=111(LC 1), 4=193(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1 and 32 lb uplift at joint 3.

February 9,2021

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Job	Truss	Truss Type	Qty	Ply	McKee-PalazzoCRF;Lot 1012 AndersonCreek
AC1012-R	V34	VALLEY	1	1	I44714168
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Feb 8 12:29:07 2021 Page 1
ID:SPpPQnXRhh0KJETLElz6Peyo_e3-5bQrySB2ReFRllOGMm2pA1BCQ3b0jkZ3rB2KfXznCAA

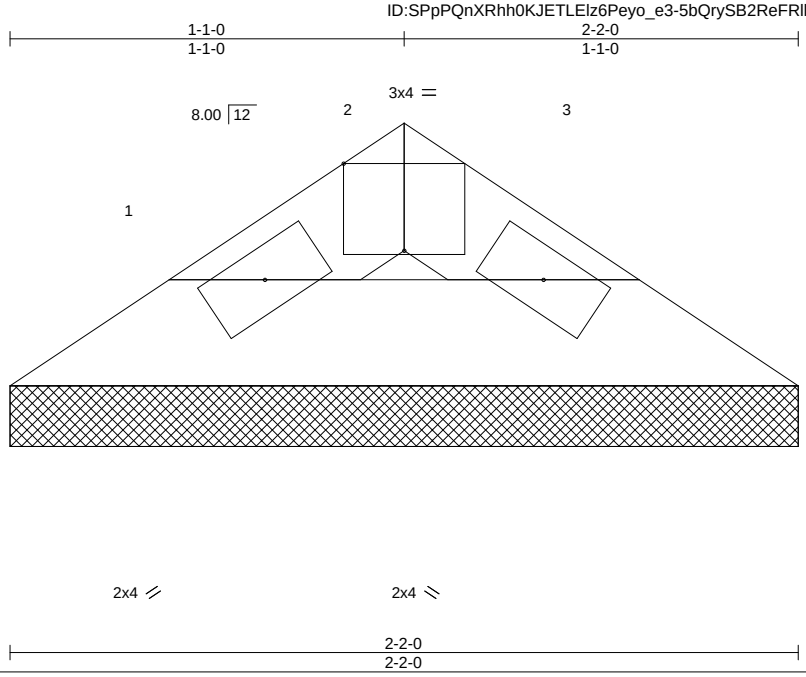

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 6 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-2-0, 3=2-2-0
Max Horz 1=10(LC 11)
Max Uplift 1=-6(LC 12), 3=-6(LC 13)
Max Grav 1=48(LC 1), 3=48(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1 and 6 lb uplift at joint 3.

February 9,2021

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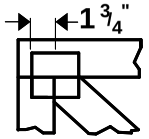
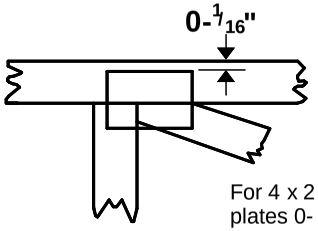
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

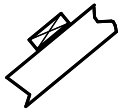
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

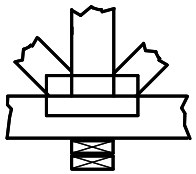
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

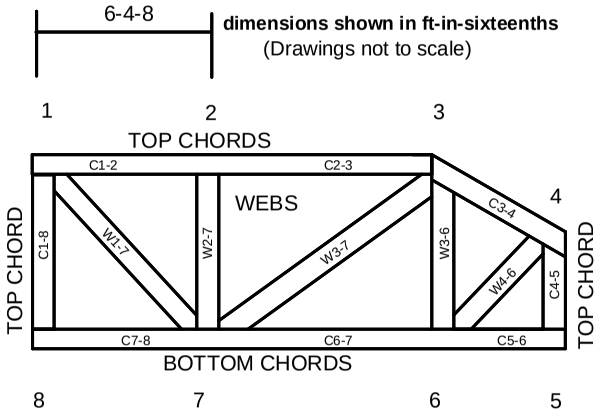


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek
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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.