ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: CG1011-R
McKee-Portico20CL;Lot 1011 CarriageGlen

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: I44981542 thru I44981585

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

North Carolina COA: C-0844

February 26,2021

Johnson, Andrew

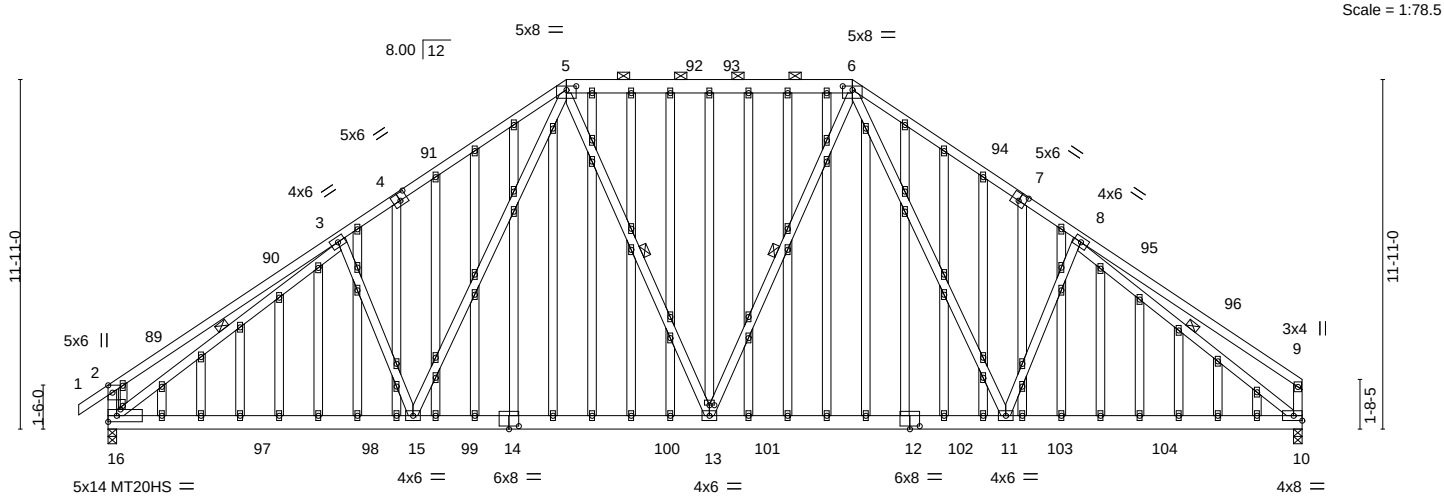
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	A01SG	GABLE	1	1	I44981542
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:05 2021 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-SR489AIojcAedAWvaLw1XFpPHIaCC6aVAbLRiczhH?0

-1-0-0	7-11-8	15-7-8	25-4-8	33-0-8	40-8-8
1-0-0	7-11-8	7-8-0	9-9-0	7-8-0	7-8-0

Scale = 1:78.5



10-4-12	20-6-0	30-7-4	40-8-8
10-4-12	10-1-4	10-1-4	10-1-4

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [4:0-3-0,0-3-0], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9], [7:0-3-0,0-3-0], [12:0-4-0,0-1-4], [13:0-2-0,0-0-0], [14:0-4-0,0-1-4], [16:0-1-8,0-1-0]

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)	-0.14	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.24	11-13	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	13-15	>999	240	Weight: 610 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1 *Except* 5-6: 2x6 SP No.2, 1-4,7-9: 2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-15,5-13,6-13,6-11: 2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-10-14 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-16, 5-13, 6-13, 8-10

REACTIONS. (size) 16=0-3-8, 10=0-3-8
Max Horz 16=319(LC 11)
Max Uplift 16=-61(LC 12), 10=-35(LC 13)
Max Grav 16=1778(LC 2), 10=1721(LC 2)

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

TOP CHORD	2-16=-549/258, 2-3=-571/267, 3-5=-2177/410, 5-6=-1563/344, 6-8=-2142/410, 8-9=-390/170, 9-10=-363/168
BOT CHORD	15-16=-194/1893, 13-15=-122/1494, 11-13=-61/1470, 10-11=-175/1726
WEBS	3-16=-1883/92, 3-15=-327/257, 5-15=-114/708, 5-13=-71/313, 6-13=-69/338, 6-11=-117/663, 8-11=-295/258, 8-10=-2010/167

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-6-12 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
10) 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.
11) 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-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	A02	SPECIAL	1	1	I44981543
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:06 2021 Page 1

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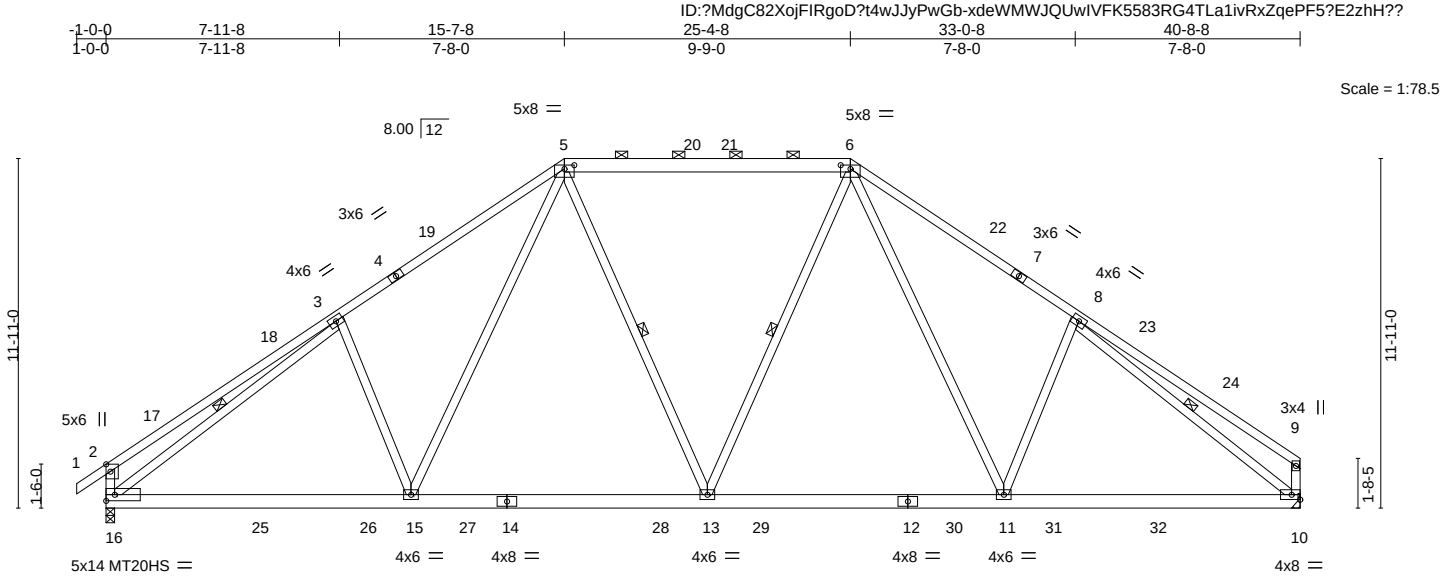

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9]

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	0.87	Vert(LL)	-0.14	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.24	11-13	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	13-15	>999	240	Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.1 *Except*
5-6: 2x6 SP No.2, 1-4,7-9: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-15,5-13,6-13,6-11: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-10-14 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-16, 5-13, 6-13, 8-10

REACTIONS. (size) 16=0-3-8, 10=Mechanical
Max Horz 16=319(LC 11)
Max Uplift 16=-61(LC 12), 10=-35(LC 13)
Max Grav 16=1778(LC 2), 10=1721(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-549/258, 2-3=-571/267, 3-5=-2177/410, 5-6=-1563/344, 6-8=-2142/410, 8-9=-390/170, 9-10=-363/168
BOT CHORD 15-16=-194/1893, 13-15=-122/1494, 11-13=-61/1470, 10-11=-175/1726
WEBS 3-16=-1883/92, 3-15=-327/257, 5-15=-114/708, 5-13=-71/313, 6-13=-69/338, 6-11=-117/663, 8-11=-295/258, 8-10=-2010/167

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-6-12 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) 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) 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) 10.
9) 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.
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-Portico20CL;Lot 1011 CarriageGlen	I44981544
CG1011-R	A03T	SPECIAL	3	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:08 2021 Page 1

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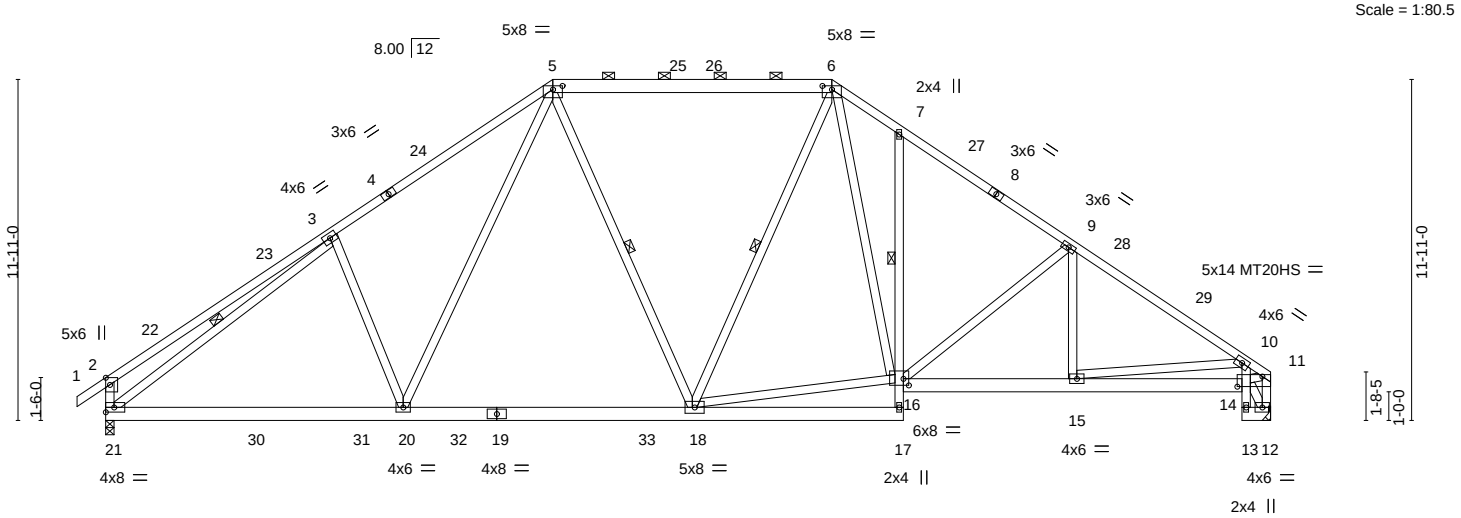
-1-0-0	7-11-8	15-7-8	25-4-8	27-10-8	33-9-8	39-8-8	40-8-8
1-0-0	7-11-8	7-8-0	9-9-0	2-6-0	5-11-0	5-11-0	1-0-0

Scale = 1:80.5



10-4-12	20-6-0	27-10-8	33-9-8	39-8-8	40-8-8
10-4-12	10-1-4	7-4-8	5-11-0	5-11-0	1-0-0

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9], [11:0-10-8,0-4-4], [16:0-2-4,0-2-12]

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	0.99	Vert(LL)	-0.16	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.28	18-20	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	16	>999	240	Weight: 327 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 5-6: 2x6 SP No.2

BOT CHORD 2x6 SP No.2 *Except* 7-17,10-13: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except* 5-20,5-18,6-18: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-11 max.): 5-6.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 1 Row at midpt 7-16

WEBS 1 Row at midpt 3-21, 5-18, 6-18

REACTIONS. (size) 21=0-3-8, 12=Mechanical
Max Horz 21=319(LC 11)
Max Uplift 21=-61(LC 12), 12=-35(LC 13)
Max Grav 21=1687(LC 2), 12=1616(LC 1)

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

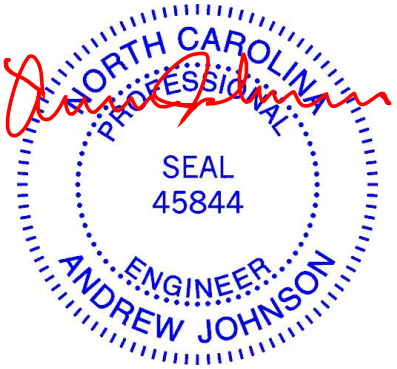
TOP CHORD 2-21=-537/257, 2-3=-551/266, 3-5=-2044/410, 5-6=-1389/343, 6-7=-1912/448, 7-9=-2019/367, 9-10=-2394/325, 10-11=-1874/271, 11-12=-1430/172

BOT CHORD 20-21=-194/1788, 18-20=-122/1367, 7-16=-254/148, 15-16=-191/1914, 14-15=-329/1828, 10-14=-483/143

WEBS 3-21=-1766/94, 3-20=-327/257, 5-20=-112/748, 16-18=-47/1267, 6-16=-158/784, 9-16=-464/144, 10-15=-77/267, 11-14=-275/1628

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-6-12 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) 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) 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) 12.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 21. 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 26,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	A04T	SPECIAL	1	1	I44981545
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:09 2021 Page 1
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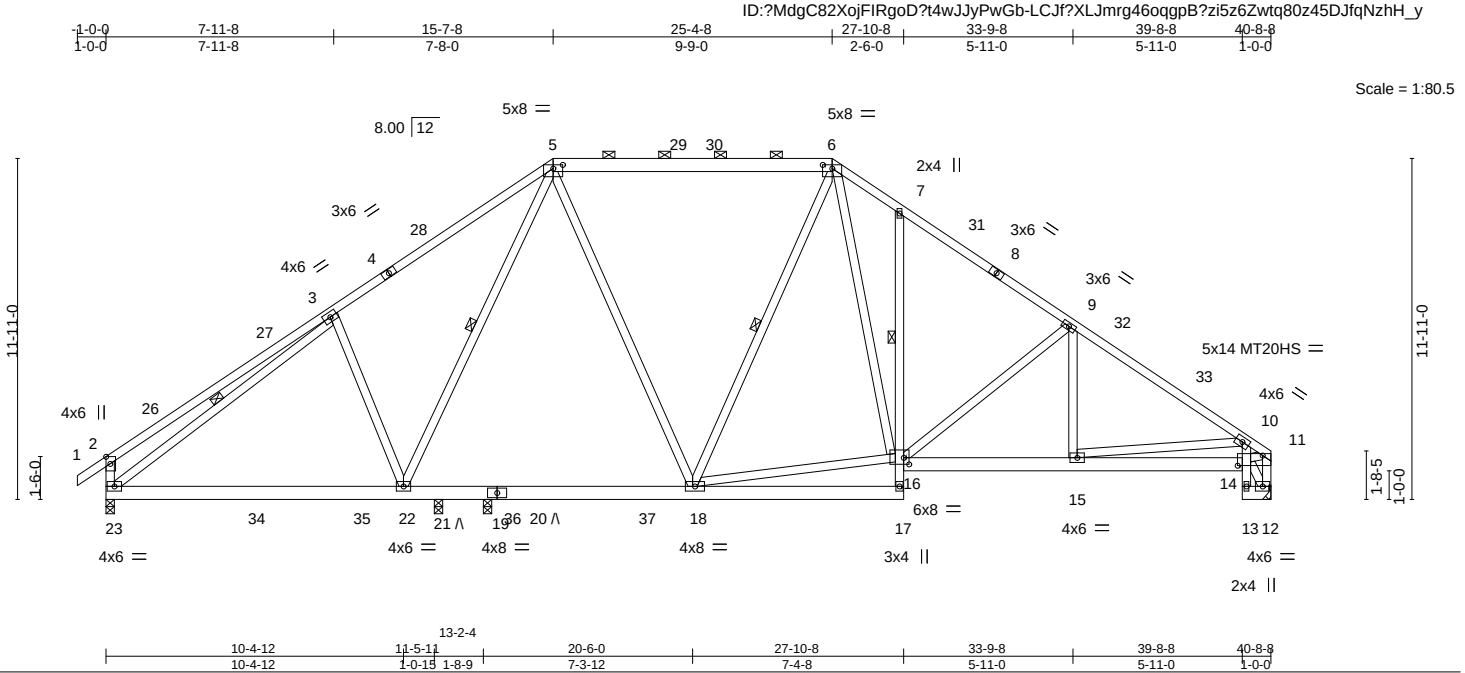

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9], [11:0-10-8,0-4-4], [16:0-2-4,0-2-12]

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	0.79	Vert(LL)	-0.11	22-23	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.26	22-23	>536	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	22-23	>999	240	Weight: 327 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
5-6: 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
7-17,10-13: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
5-22,5-18,6-18: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-2 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 7-16
WEBS 1 Row at midpt 3-23, 5-22, 6-18

REACTIONS. All bearings 0-3-8 except (jt=length) 12=Mechanical.
(lb) - Max Horz 23=319(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 23, 12
Max Grav All reactions 250 lb or less at joint(s) 20 except 23=1124(LC 1), 12=1393(LC 1), 21=889(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-535/256, 2-3=-555/264, 3-5=-1079/410, 5-6=-981/343, 6-7=-1530/448, 7-9=-1636/367, 9-10=-2025/325, 10-11=-1620/271, 11-12=-1228/172
BOT CHORD 22-23=-212/992, 21-22=-139/883, 20-21=-139/883, 18-20=-139/883, 7-16=-256/148, 15-16=-191/1607, 14-15=-329/1599, 10-14=-416/143
WEBS 3-23=-771/94, 3-22=-413/254, 5-22=-330/169, 5-18=-53/351, 6-18=-374/135, 16-18=-47/940, 6-16=-158/780, 9-16=-476/143, 10-15=-122/255, 11-14=-275/1415

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-6-12 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) 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) 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) 12.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 23. This connection is for uplift only and does not consider lateral forces.
10) "/\" indicates Released bearing: allow for upward movement at joint(s) 21, 20.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 26,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen	I44981546
CG1011-R	A05T	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:11 2021 Page 1

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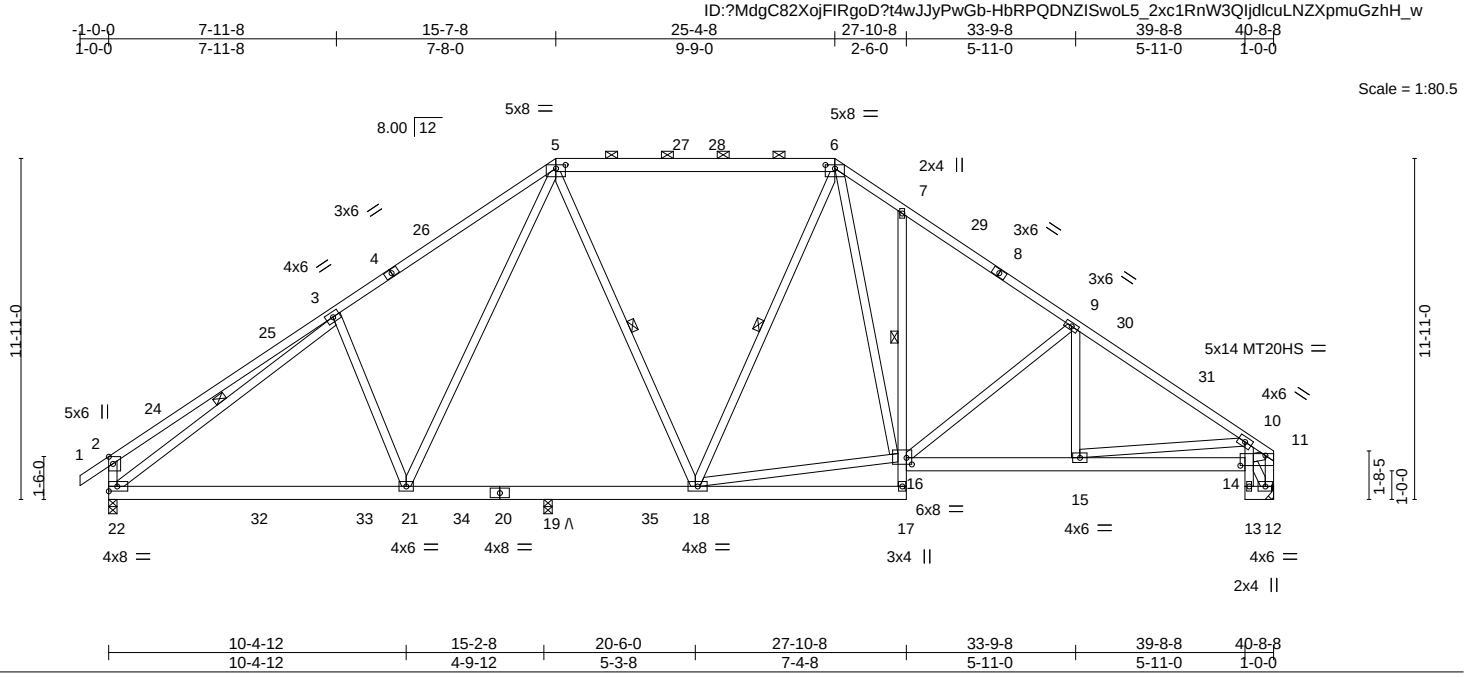

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9], [11:0-10-8,0-4-4], [16:0-2-4,0-2-12]

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	0.84	Vert(LL)	-0.11	21-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.24	21-22	>751	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	17-18	>999	240	Weight: 327 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 5-6: 2x6 SP No.2

BOT CHORD 2x6 SP No.2 *Except* 7-17,10-13: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except* 5-21,5-18,6-18: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-2-2 max.): 5-6.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 1 Row at midpt 7-16

WEBS 1 Row at midpt 3-22, 5-18, 6-18

REACTIONS. (size) 22=0-3-8, 12=Mechanical, 19=0-3-8
Max Horz 22=319(LC 11)
Max Uplift 22=-80(LC 12), 12=-49(LC 13), 19=REL
Max Grav 22=1518(LC 1), 12=1514(LC 1), 19=375(LC 2)

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

TOP CHORD 2-22=-549/256, 2-3=-576/264, 3-5=-1704/410, 5-6=-1187/343, 6-7=-1738/448, 7-9=-1844/367, 9-10=-2227/325, 10-11=-1758/271, 11-12=-1338/172

BOT CHORD 21-22=-214/1481, 19-21=-143/1165, 18-19=-143/1165, 7-16=-254/148, 15-16=-191/1775, 14-15=-329/1723, 10-14=-453/143

WEBS 3-22=-1398/94, 3-21=-356/253, 5-21=-127/564, 6-18=-303/141, 16-18=-51/1082, 6-16=-158/809, 9-16=-470/143, 10-15=-87/254, 11-14=-275/1531

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-6-12 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) 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) 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) 12.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 22. This connection is for uplift only and does not consider lateral forces.
10) "/\" indicates Released bearing: allow for upward movement at joint(s) 19.
11) 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-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	A06	SPECIAL	1	1	I44981547
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:12 2021 Page 1
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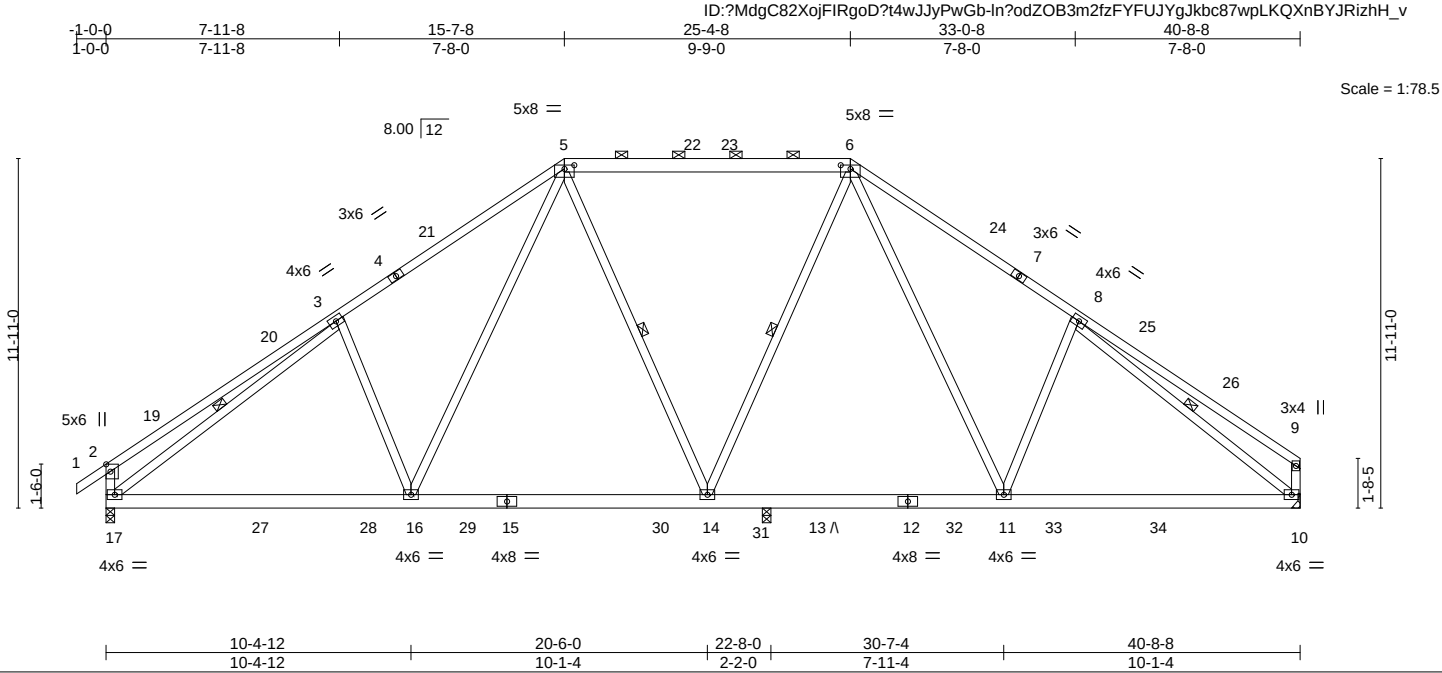

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-4-0,0-1-9], [6:0-4-0,0-1-9]

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	0.83	Vert(LL)	-0.18	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.32	14-16	>841	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	14-16	>999	240	Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 5-6: 2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-16,5-14,6-14,6-11: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-9-13 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-17, 5-14, 6-14, 8-10

REACTIONS. (size) 17=0-3-8, 10=Mechanical, 13=0-3-8
Max Horz 17=319(LC 11)
Max Uplift 17=-80(LC 12), 10=-58(LC 13), 13=REL
Max Grav 17=1520(LC 2), 10=1401(LC 2), 13=578(LC 2)

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

TOP CHORD	2-17=-521/258, 2-3=-525/268, 3-5=-1799/411, 5-6=-1072/344, 6-8=-1640/411, 8-9=-394/168, 9-10=-363/167
BOT CHORD	16-17=-212/1608, 14-16=-149/1152, 13-14=-61/1075, 11-13=-61/1075, 10-11=-176/1333
WEBS	3-17=-1543/95, 3-16=-354/255, 5-16=-107/813, 5-14=-259/171, 6-11=-122/611, 8-11=-341/254, 8-10=-1485/169

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-6-12 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) 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) 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) 10.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. This connection is for uplift only and does not consider lateral forces.
9) "/\" indicates Released bearing: allow for upward movement at joint(s) 13.
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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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen	I44981548
CG1011-R	A07	HIP	5	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:13 2021 Page 1
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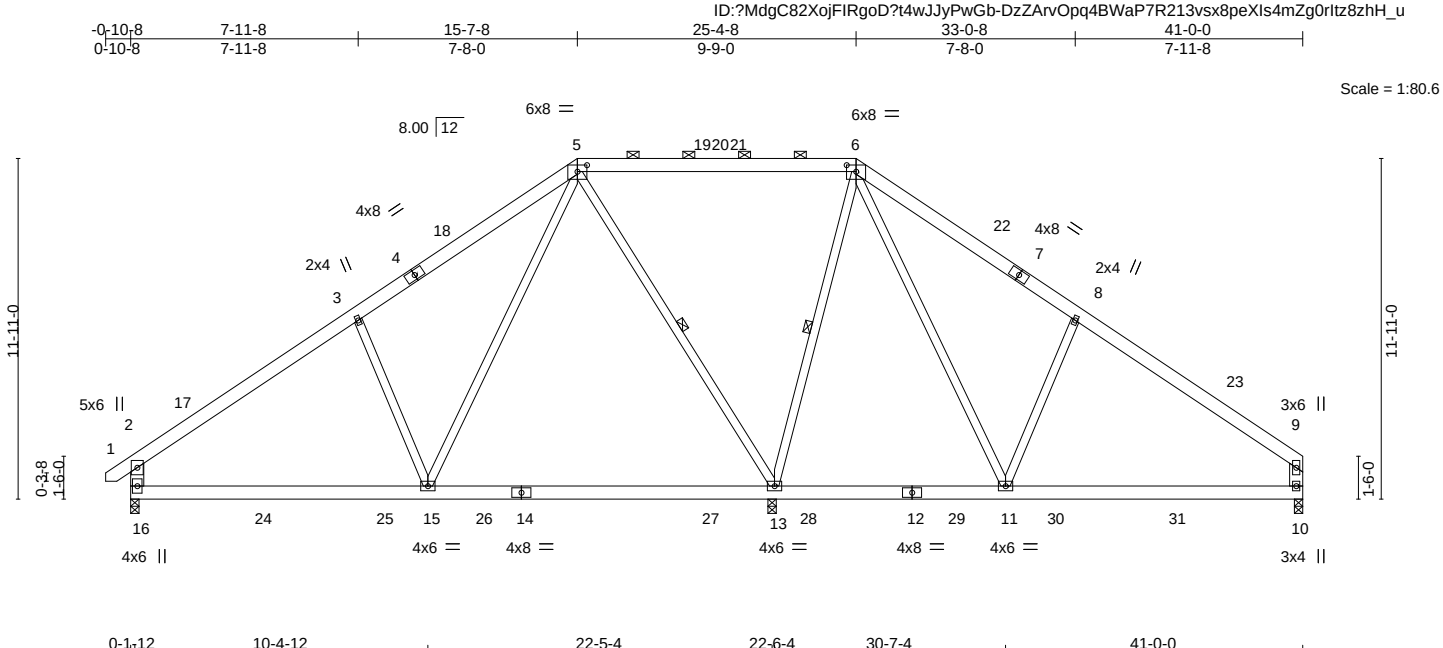

Plate Offsets (X,Y)-- [5:0-4-0,0-2-12], [6:0-4-0,0-2-12]

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	0.66	Vert(LL)	-0.21	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.58	Vert(CT)	-0.32	13-15	>825	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.87	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	15	>999	240	Weight: 305 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
2-16,9-10: 2x6 SP No.2, 5-15,5-13,6-11: 2x4 SP No.2

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

REACTIONS. (size) 16=0-3-8, 10=0-3-8, 13=0-3-8
Max Horz 16=312(LC 9)
Max Uplift 16=-163(LC 12), 10=-127(LC 13), 13=-130(LC 13)
Max Grav 16=789(LC 25), 10=512(LC 20), 13=2355(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-686/215, 2-3=-826/212, 3-5=-672/330, 5-6=0/504, 6-8=-370/311, 8-9=-462/192, 9-10=-404/182
BOT CHORD 15-16=-254/724, 11-13=-313/147, 10-11=-64/287
WEBS 3-15=-443/328, 5-15=-172/940, 5-13=-1080/229, 6-13=-1074/248, 6-11=-209/846, 8-11=-485/330

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -0-8-3 to 2-3-13, Interior(1) 2-3-13 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 40-9-4 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) 16, 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-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	A08	HIP	5	1	I44981549
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:15 2021 Page 1
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-0-10-8 7-11-8 15-7-8 25-4-8 33-0-8 41-0-0 41-10-8
0-10-8 7-11-8 7-8-0 9-9-0 7-8-0 7-11-8 0-10-8

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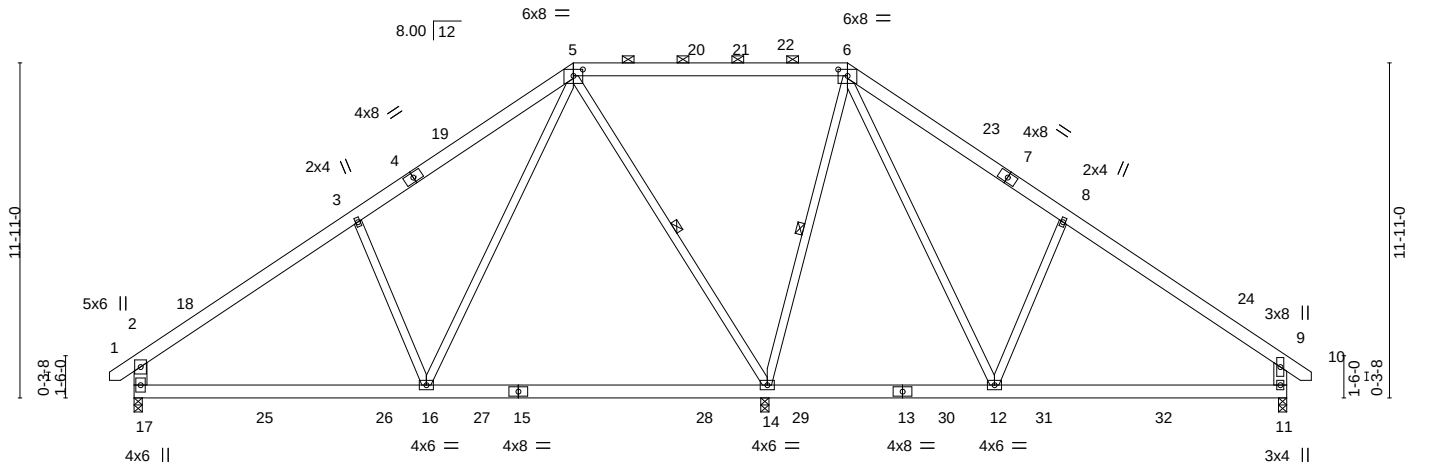

0-1-12 10-4-12 22-5-4 22-6-4 30-7-4 41-0-0
0-1-12 10-3-0 12-0-8 0-1-0 8-1-0 10-4-12

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

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	0.65	Vert(LL)	-0.21	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.58	Vert(CT)	-0.32	14-16	>824	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.86	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	16	>999	240	Weight: 307 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
2-17,9-11: 2x6 SP No.2, 5-16,5-14,6-12: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-14.
WEBS 1 Row at midpt 5-14, 6-14

REACTIONS. (size) 17=0-3-8, 11=0-3-8, 14=0-3-8
Max Horz 17=-317(LC 10)
Max Uplift 17=-173(LC 12), 11=-173(LC 13), 14=-100(LC 12)
Max Grav 17=791(LC 19), 11=598(LC 24), 14=2326(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-684/224, 2-3=-821/226, 3-5=-668/344, 5-6=0/506, 6-8=-410/352, 8-9=-513/234, 9-11=-496/230
BOT CHORD 16-17=-245/740, 12-14=-288/132, 11-12=-75/322
WEBS 3-16=-439/326, 5-16=-169/938, 5-14=-1071/218, 6-14=-1049/223, 6-12=-206/840, 8-12=-476/323

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -0-8-3 to 2-3-13, Interior(1) 2-3-13 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 41-8-3 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, with BCDL = 10.0psf.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17, 11, and 14. 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-Portico20CL;Lot 1011 CarriageGlen	I44981550
CG1011-R	A11G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:21 2021 Page 1
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-1-0-0 7-11-8 15-7-8 25-4-8 33-0-8 41-0-0 42-0-0
1-0-0 7-11-8 7-8-0 9-9-0 7-8-0 7-11-8 1-0-0

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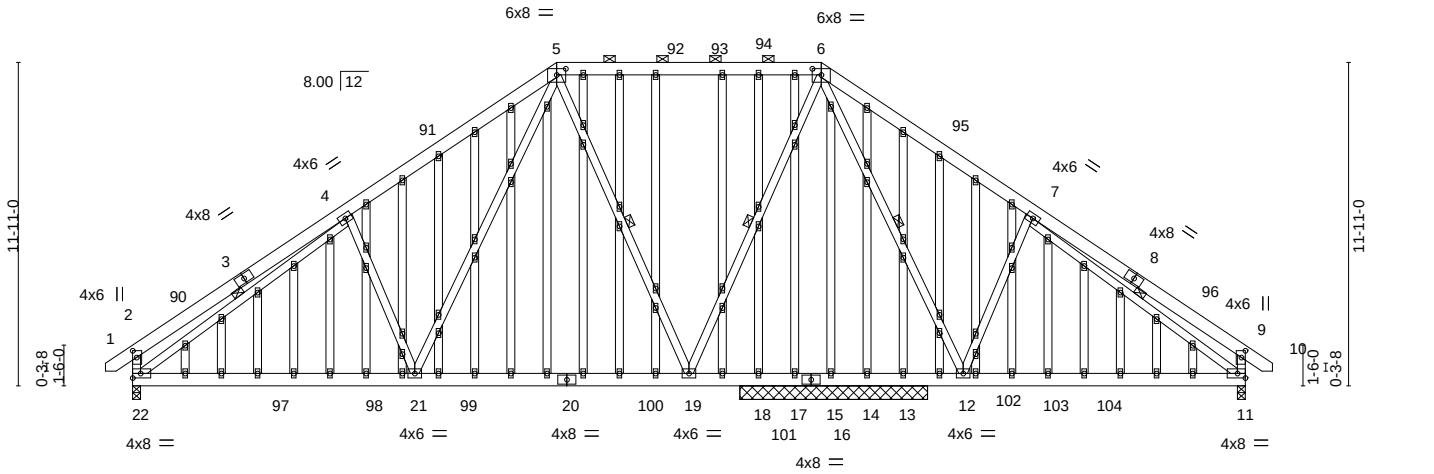


10-4-12 20-6-0 22-4-8 30-7-4 41-0-0
10-4-12 10-1-4 1-10-8 8-2-12 10-4-12

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

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 0.92	Vert(LL) -0.16 19-21 >999 360	MT20 244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.82	Vert(CT) -0.28 19-21 >987 240	
BCLL 0.0	*	Rep Stress Incr NO	WB 0.75	Horz(CT) 0.05 11 n/a n/a	
BCDL 10.0		Code IRC2015/TPI2014	Matrix-MS	Wind(LL) 0.07 19-21 >999 240	Weight: 627 lb FT = 20%

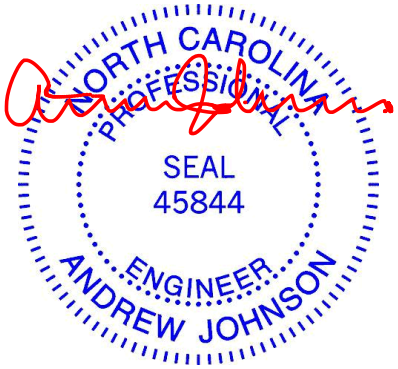
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins, except end verticals, and 2-0-0 oc purlins (5-5-11 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-22, 5-19, 6-19, 6-12, 7-11

REACTIONS. All bearings 6-11-0 except (jt=length) 22=0-3-8, 11=0-3-8.
(lb) - Max Horz 22=-317(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 22=-202(LC 12), 11=-173(LC 13), 18=-112(LC 12), 17=-419(LC 1), 14=-504(LC 1), 13=-224(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 17, 14 except 22=1498(LC 2), 11=1304(LC 20), 18=838(LC 1), 15=580(LC 19), 13=1056(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-528/210, 2-4=-558/208, 4-5=-1798/390, 5-6=-1078/303, 6-7=-1426/343, 7-9=-590/205, 9-11=-542/208
BOT CHORD 21-22=-261/1627, 19-21=-132/1160, 18-19=-37/1019, 17-18=-37/1019, 15-17=-37/1019, 14-15=-37/1019, 13-14=-37/1019, 12-13=-37/1019, 11-12=-72/1184
WEBS 4-22=-1478/97, 4-21=-369/326, 5-21=-179/808, 5-19=-263/186, 6-12=-117/333, 7-12=-400/331, 7-11=-1064/53

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -0-9-11 to 2-2-5, Interior(1) 2-2-5 to 15-7-8, Exterior(2) 15-7-8 to 19-10-7, Interior(1) 19-10-7 to 25-4-8, Exterior(2) 25-4-8 to 29-7-7, Interior(1) 29-7-7 to 41-9-11 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) 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) Provide adequate drainage to prevent water ponding.
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) N/A
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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LOAD CASE(S) Standard

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: 1-2=-60, 2-5=-60, 5-6=-60, 6-9=-60, 9-10=-60, 18-22=-20, 18-102=-165(F=-145), 11-102=-20

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B01GR	MONO HIP	1	2	I44981551
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:22 2021 Page 1
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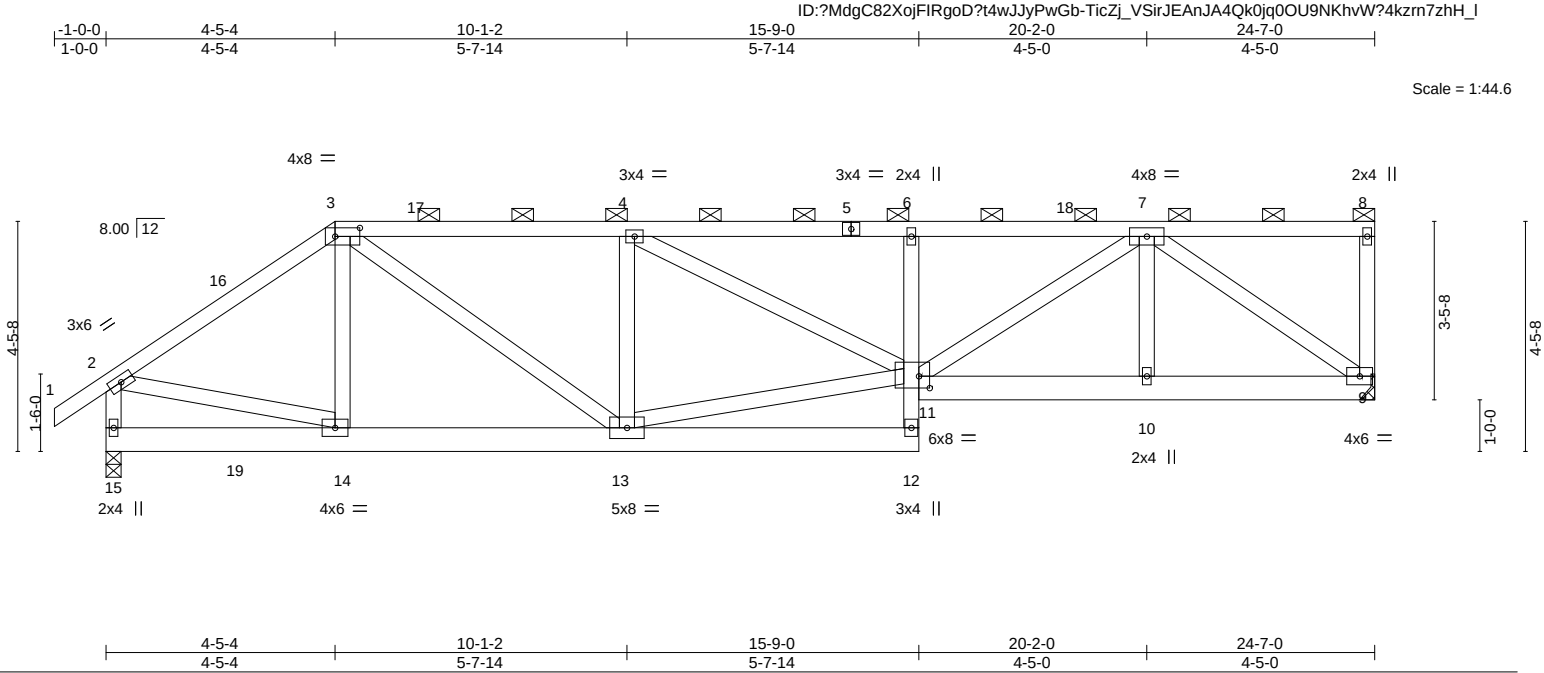

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [11:0-2-8,0-2-12]

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	0.52	Vert(LL)	-0.07	11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.14	11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.07	11	>999	240	Weight: 341 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-12: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 15=0-3-8
Max Horz 15=152(LC 5)
Max Uplift 9=-410(LC 5), 15=-315(LC 5)
Max Grav 9=2098(LC 1), 15=2098(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2379/405, 3-4=-3101/588, 4-6=-3806/734, 6-7=-3833/737, 2-15=-1976/322
BOT CHORD 13-14=-412/1894, 12-13=-86/454, 6-11=-618/195, 10-11=-511/2492, 9-10=-511/2492
WEBS 3-13=-337/1528, 4-13=-1181/336, 11-13=-571/2725, 4-11=-165/777, 7-11=-332/1619, 7-10=0/325, 7-9=-3026/587, 2-14=-321/1813

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 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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=410.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 175 lb down and 30 lb up at 2-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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LOAD CASE(S) Standard

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: 1-2=-60, 2-16=-60, 3-16=-129(F=-69), 3-8=-129(F=-69), 15-19=-20, 12-19=-44(F=-24), 9-11=-44(F=-24)
   Concentrated Loads (lb)
   Vert: 19=-155(F)

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B02	MONO HIP	1	1	I44981552
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:23 2021 Page 1
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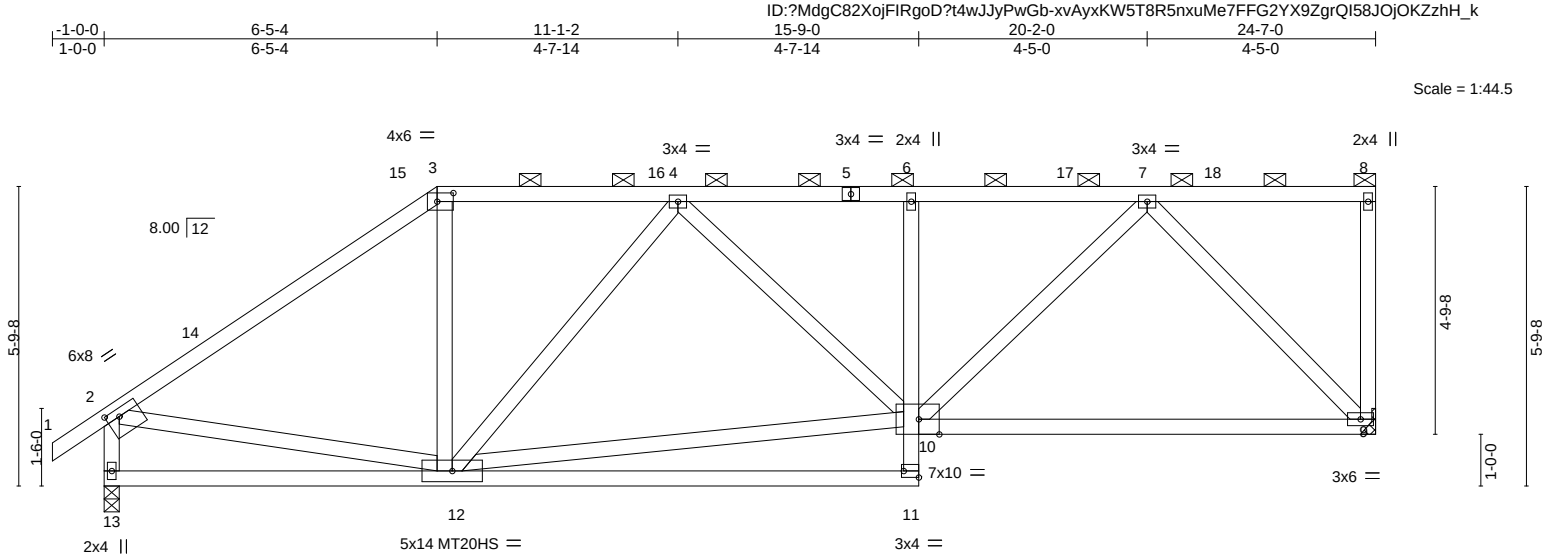

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [3:0-3-12,0-2-0], [10:0-4-12,Edge], [11:Edge,0-1-8]

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	0.65	Vert(LL)	-0.22	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.45	9-10	>654	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	10	>999	240	Weight: 159 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-11 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 9-9-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 13=0-3-8
Max Horz 13=206(LC 9)
Max Uplift 9=-197(LC 9), 13=-75(LC 9)
Max Grav 9=970(LC 1), 13=1042(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1152/184, 3-4=-879/195, 4-6=-1228/236, 6-7=-1247/234, 2-13=-988/214
BOT CHORD 12-13=-351/434, 6-10=-264/119, 9-10=-221/754
WEBS 3-12=-23/347, 4-12=-496/204, 10-12=-280/1081, 7-10=-90/693, 7-9=-1064/278, 2-12=-113/712

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-5-4, Exterior(2) 6-5-4 to 10-8-3, Interior(1) 10-8-3 to 24-5-4 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) 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.
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) 13 except (jt=lb) 9=197.
9) 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-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B03	HIP	1	1	I44981553
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:24 2021 Page 1
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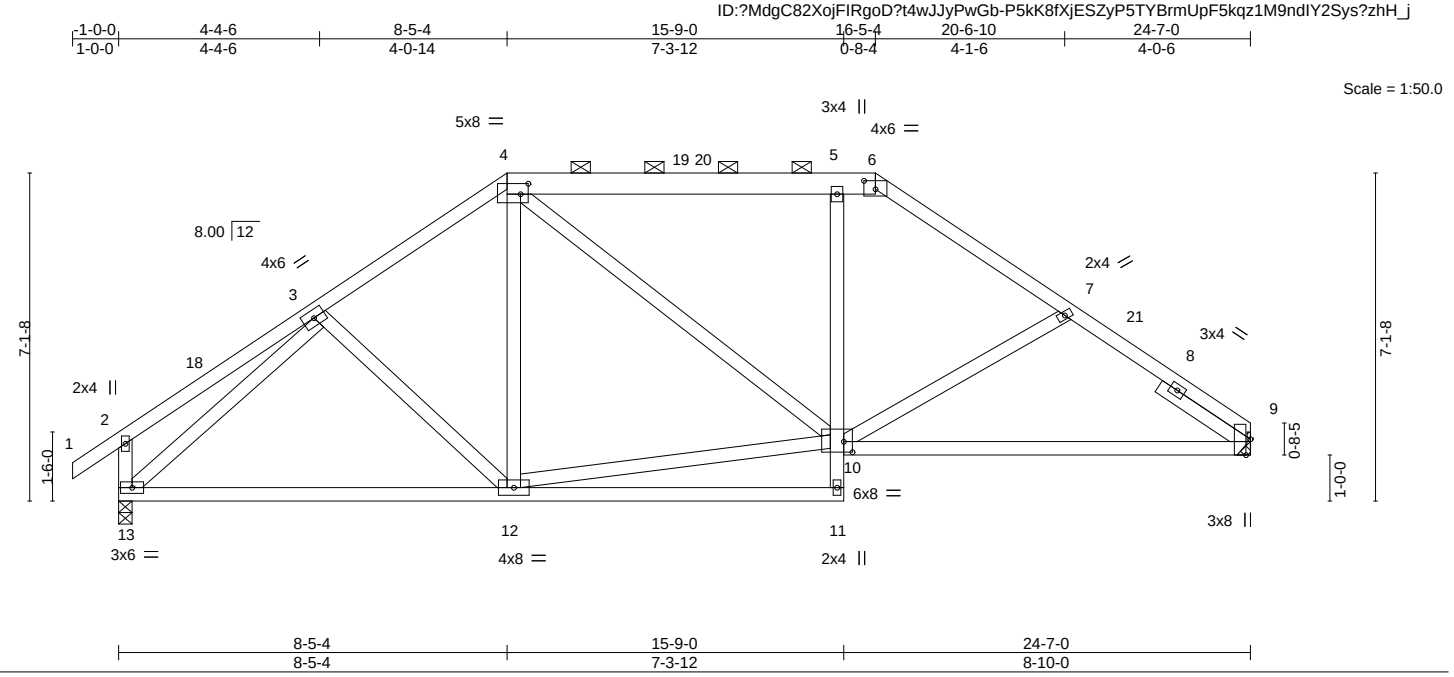


Plate Offsets (X,Y)-- [4:0-2-0,0-2-12], [6:0-3-0,0-2-3], [9:0-4-2,Edge], [10:0-2-4,0-2-12]

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	0.53	Vert(LL)	-0.14	10-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.29	10-16	>997	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	10	>999	240	Weight: 159 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-6: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 5-11: 2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Right 2x4 SP No.3 -t 2-3-14

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12.

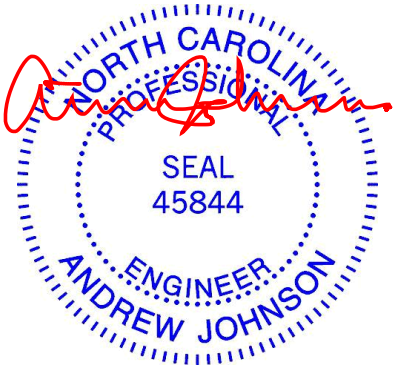
REACTIONS. (size) 9=Mechanical, 13=0-3-8
Max Horz 13=-180(LC 10)
Max Uplift 9=-115(LC 13), 13=-140(LC 12)
Max Grav 9=976(LC 1), 13=1048(LC 1)

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

TOP CHORD	3-4=-1046/222, 4-5=-945/238, 5-6=-902/228, 6-7=-1152/235, 7-9=-1268/247, 2-13=-271/136
BOT CHORD	12-13=-174/820, 5-10=0/346, 9-10=-135/1055
WEBS	10-12=-72/825, 3-13=-1014/131

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 8-5-4, Exterior(2) 8-5-4 to 12-8-3, Interior(1) 12-8-3 to 16-5-4, Exterior(2) 16-5-4 to 20-8-5, Interior(1) 20-8-5 to 24-7-0 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) 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) except (jt=lb) 9=115.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. 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.



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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B04	HIP	1	1	I44981554
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:25 2021 Page 1
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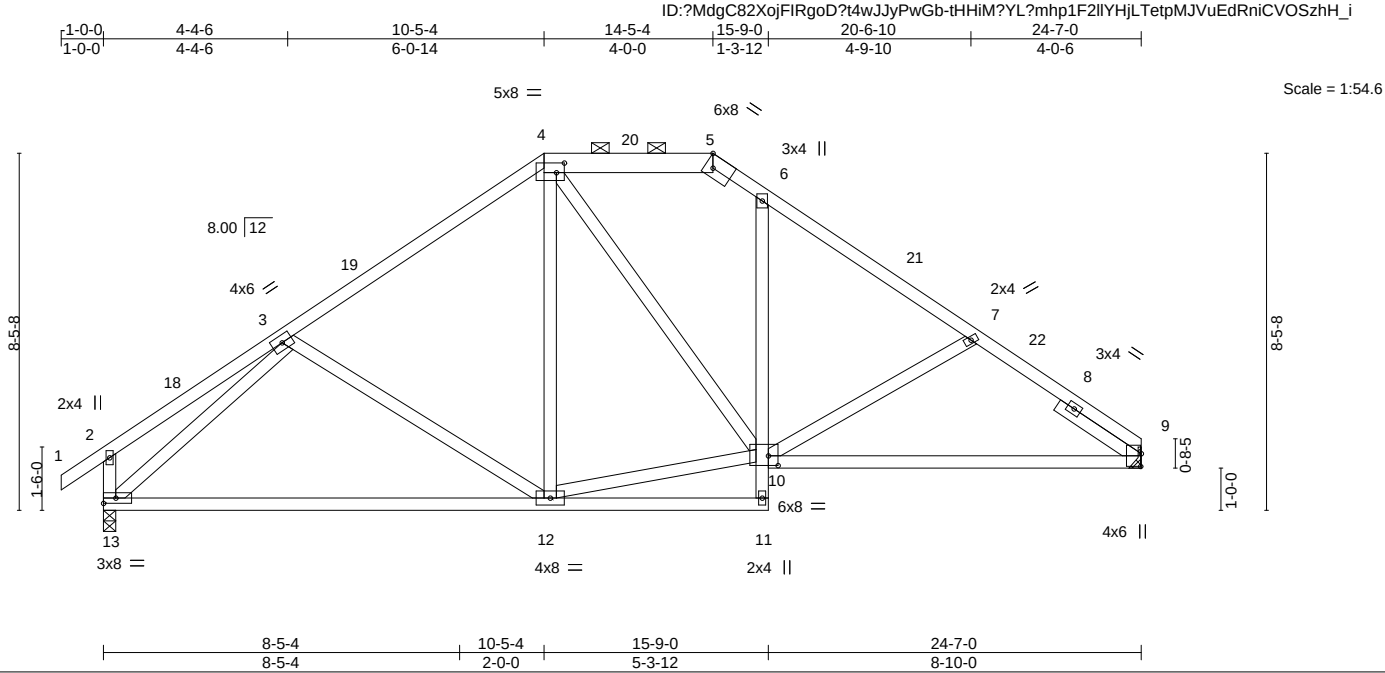

Plate Offsets (X,Y)-- [4:0-2-4,0-2-12], [5:Edge,0-3-8], [9:0-3-10,0-0-3], [10:0-2-12,0-2-12]

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	0.64	Vert(LL)	-0.29	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.59	12-13	>497	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	11	>999	240	Weight: 159 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 4-5: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 6-11: 2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Right 2x4 SP No.3 -t 2-3-14

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-9-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12.

REACTIONS. (size) 9=Mechanical, 13=0-3-8
Max Horz 13=-213(LC 10)
Max Uplift 9=-114(LC 13), 13=-139(LC 12)
Max Grav 9=976(LC 1), 13=1048(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1004/214, 4-5=-847/246, 5-6=-843/242, 6-7=-1150/224, 7-9=-1292/247
BOT CHORD 12-13=-220/840, 6-10=-12/304, 9-10=-136/1094
WEBS 4-12=0/262, 10-12=0/715, 4-10=-91/252, 7-10=-304/175, 3-13=-1033/195

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 10-5-4, Exterior(2) 10-5-4 to 18-8-3, Interior(1) 18-8-3 to 24-7-0 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) 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) except (jt=lb) 9=114.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. 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.

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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B05	FINK	1	1	I44981555
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:26 2021 Page 1
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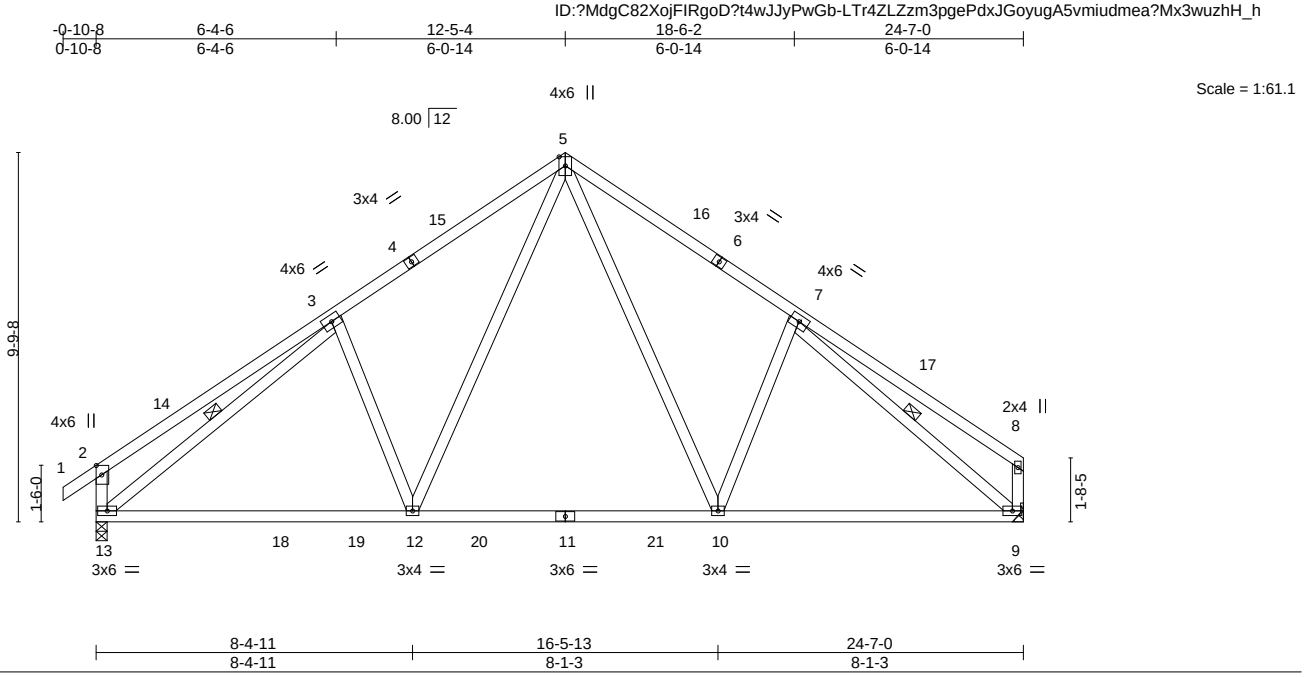

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.49	Vert(LL)	-0.19	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.25	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.03	10-12	>999	240	Weight: 155 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 5-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 7-9

REACTIONS. (size) 9=Mechanical, 13=0-3-8
Max Horz 13=267(LC 9)
Max Uplift 9=-105(LC 13), 13=-128(LC 12)
Max Grav 9=970(LC 1), 13=1062(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-328/164, 3-5=-1127/253, 5-7=-1083/254, 2-13=-364/178
BOT CHORD 12-13=-158/1046, 10-12=0/728, 9-10=-89/861
WEBS 5-10=-146/481, 7-10=-239/255, 5-12=-151/574, 3-12=-266/263, 3-13=-1034/42, 7-9=-1069/87

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 12-5-4, Exterior(2) 12-5-4 to 15-5-4, Interior(1) 15-5-4 to 24-5-4 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) 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) except (jt=lb) 9=105.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 13. This connection is for uplift only and does not consider lateral forces.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B05H	SPECIAL	1	1	I44981556
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:27 2021 Page 1
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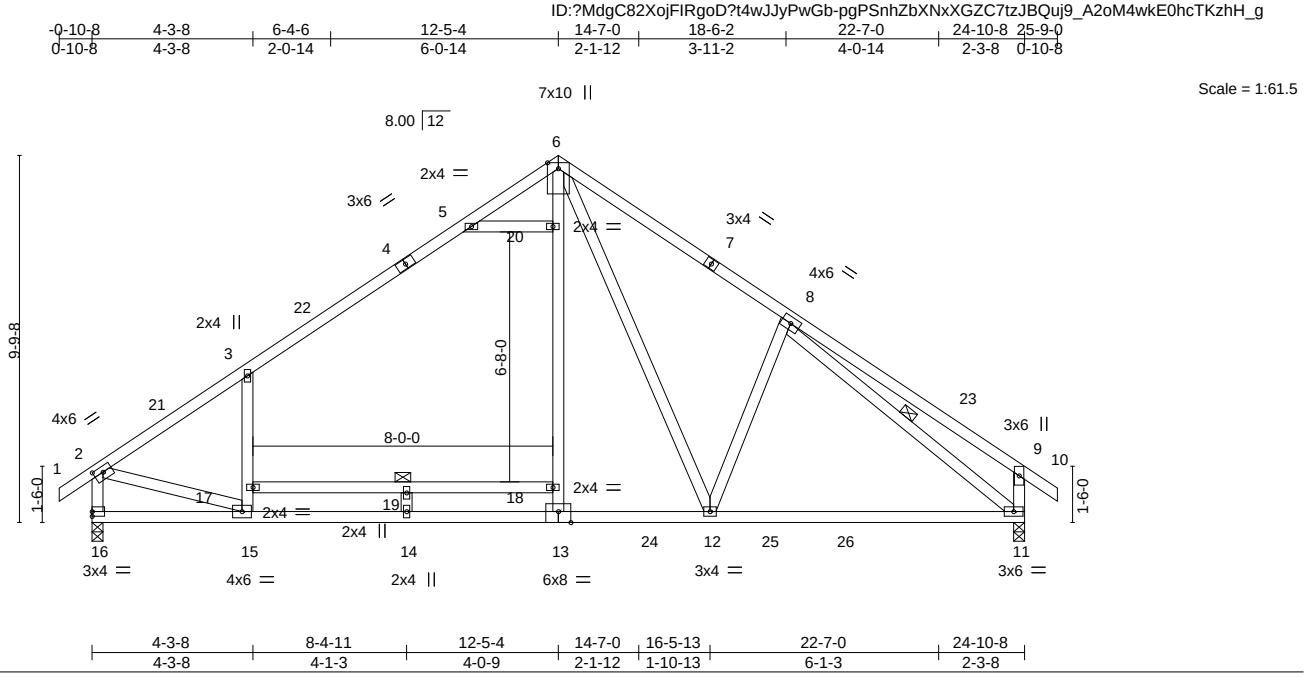

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [13:0-4-0,Edge]

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	0.86	Vert(LL)	-0.48	14-15	>616	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.78	14-15	>377	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.53	14-15	>552	240	Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except* 1-4,7-10: 2x4 SP No.1
BOT CHORD 2x4 SP SS
WEBS 2x4 SP No.3 *Except* 6-13: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 17-18, 8-11

REACTIONS. (size) 16=0-3-8, 11=0-3-8
Max Horz 16=-271(LC 10)
Max Uplift 16=-71(LC 12), 11=-73(LC 13)
Max Grav 16=1168(LC 19), 11=1124(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1008/115, 2-3=-1140/77, 3-5=-1079/201, 5-6=-792/123, 6-8=-1186/255, 8-9=-361/174, 9-11=-390/186
BOT CHORD 15-16=-293/396, 14-15=-4/978, 13-14=-4/978, 12-13=0/903, 11-12=-48/957
WEBS 13-18=-27/479, 18-20=-29/602, 6-20=-29/602, 15-17=-291/157, 2-15=0/831, 5-20=-320/143, 6-12=-126/357, 8-11=-1029/26

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 12-5-4, Exterior(2) 12-5-4 to 16-8-3, Interior(1) 16-8-3 to 25-9-0 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16 and 11. This connection is for uplift only and does not consider lateral forces.

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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: 1-2=-60, 2-6=-60, 6-9=-60, 9-10=-60, 11-16=-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: 1-2=-50, 2-6=-50, 6-9=-50, 9-10=-50, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-30

Continued on page 2

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LOAD CASE(S) Standard

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-9=-20, 9-10=-20, 11-16=-40, 17-18=-40

18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-6=-20, 6-9=-20, 9-10=-20, 13-16=-20, 13-24=-60, 24-25=-20, 25-26=-60, 11-26=-20, 17-18=-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, 6-9=-42, 9-10=-37, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-30
Horz: 2-16=21, 1-2=6, 2-6=11, 6-9=8, 9-10=13, 9-11=7

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, 6-9=-61, 9-10=-56, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-30
Horz: 2-16=-7, 1-2=-13, 2-6=-8, 6-9=-11, 9-10=-6, 9-11=-21

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, 2-22=-29, 6-22=-38, 6-9=-46, 9-10=-41, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-30
Horz: 2-16=19, 1-2=-25, 2-22=-21, 6-22=-12, 6-9=4, 9-10=9, 9-11=3

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=-41, 2-6=-46, 6-8=-38, 8-9=-29, 9-10=-25, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-30
Horz: 2-16=-3, 1-2=-9, 2-6=-4, 6-8=12, 8-9=21, 9-10=25, 9-11=-19

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: 1-2=-50, 2-6=-50, 6-9=-20, 9-10=-20, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-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: 1-2=-20, 2-6=-20, 6-9=-50, 9-10=-50, 13-16=-20, 13-24=-50, 24-25=-20, 25-26=-50, 11-26=-20, 17-18=-30

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B05T	SPECIAL	1	1	I44981557
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:28 2021 Page 1
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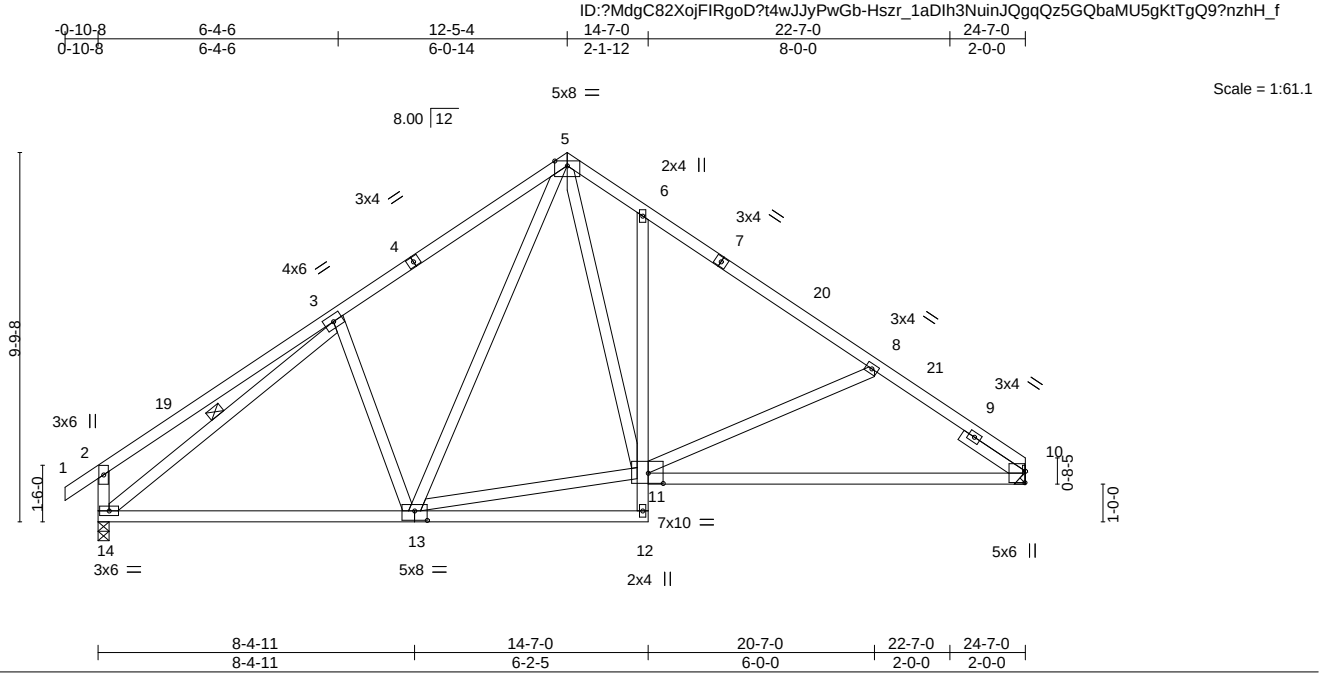

Plate Offsets (X,Y)-- [10:0-3-10,0-0-3], [11:0-4-12,0-3-4], [13:0-4-0,0-3-0]

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	0.48	Vert(LL)	-0.21	11-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.43	11-17	>681	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.03	6	>999	240	Weight: 164 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13.
WEBS	1 Row at midpt 3-14

REACTIONS. (size) 14=0-3-8, 10=Mechanical
Max Horz 14=-246(LC 10)
Max Uplift 14=-72(LC 12), 10=-50(LC 13)
Max Grav 14=1040(LC 1), 10=976(LC 1)

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

TOP CHORD	2-14=-358/188, 2-3=-327/177, 3-5=-1062/260, 5-6=-1066/293, 6-8=-1114/198, 8-10=-1289/229
BOT CHORD	13-14=-105/915, 6-11=-298/184, 10-11=-120/1098
WEBS	3-14=-952/39, 3-13=-271/223, 5-13=-126/360, 11-13=0/697, 5-11=-149/672, 8-11=-324/180

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 12-5-4, Exterior(2) 12-5-4 to 16-8-3, Interior(1) 16-8-3 to 24-7-0 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) 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) 10.
7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	B07H	FINK	1	1	I44981558
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:30 2021 Page 1
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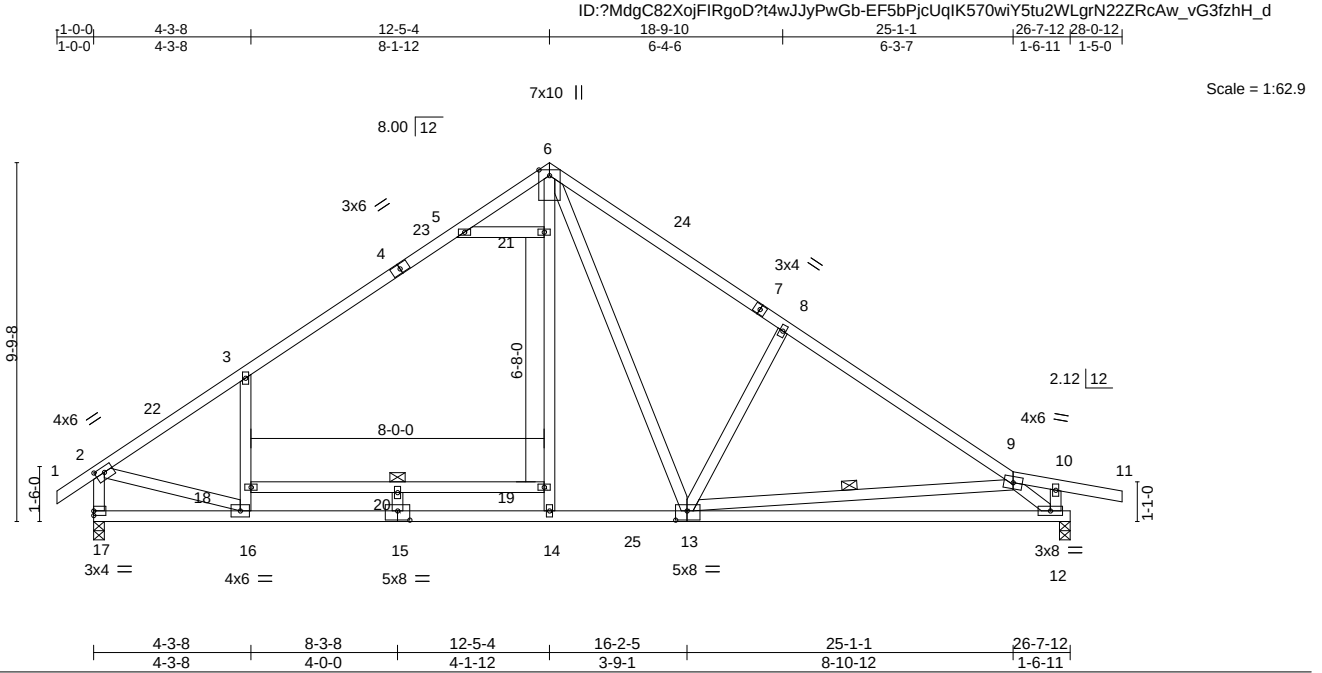

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [13:0-3-12,0-3-0], [15:0-4-0,0-3-0]

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	0.88	Vert(LL)	-0.49	15-16	>642	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.88	Vert(CT)	-0.79	15-16	>397	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.61	15-16	>515	240	Weight: 173 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-4: 2x4 SP No.1
BOT CHORD	2x4 SP No.1 *Except* 13-15: 2x4 SP SS
WEBS	2x4 SP No.3 *Except* 2-17,10-12: 2x4 SP No.2, 6-14: 2x4 SP No.1

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 9-13, 18-19

REACTIONS. (size) 17=0-3-8, 12=0-3-8
Max Horz 17=-267(LC 10)
Max Uplift 17=-135(LC 12), 12=-163(LC 13)
Max Grav 17=1217(LC 19), 12=1155(LC 1)

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

TOP CHORD	2-3=-1206/97, 3-5=-1148/204, 5-6=-863/173, 6-8=-1303/254, 8-9=-1432/182, 9-10=-266/0, 2-17=-1068/124
BOT CHORD	16-17=-273/390, 15-16=-49/1024, 14-15=-49/1024, 13-14=-20/953, 12-13=-149/1121
WEBS	6-13=-144/508, 8-13=-386/268, 9-12=-1370/326, 2-16=0/898, 16-18=-289/186, 3-18=-251/184, 14-19=-59/427, 19-21=-62/552, 6-21=-62/552, 5-21=-323/195

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-5-4, Exterior(2) 12-5-4 to 15-5-4, Interior(1) 15-5-4 to 25-1-1, Exterior(2) 25-1-1 to 28-0-12 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, with BCDL = 10.0psf.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 12. This connection is for uplift only and does not consider lateral forces.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-6=-60, 6-9=-60, 9-10=-60, 10-11=-60, 12-17=-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: 1-2=-50, 2-6=-50, 6-9=-50, 9-10=-50, 10-11=-50, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-30
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-6=-20, 6-9=-20, 9-10=-20, 10-11=-20, 12-17=-40, 18-19=-40
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-20, 2-6=-20, 6-9=-20, 9-10=-20, 10-11=-20, 14-17=-20, 14-25=-60, 12-25=-20, 18-19=-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, 6-9=-42, 9-10=-40, 10-11=-36, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-30
   Horz: 1-2=6, 2-6=11, 6-9=8, 9-10=10, 10-11=14, 2-17=21, 10-12=7
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, 6-9=-61, 9-10=-29, 10-11=-25, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-30
   Horz: 1-2=-13, 2-6=-8, 6-9=-11, 9-10=21, 10-11=25, 2-17=-7, 10-12=-21
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, 6-9=-42, 9-10=-42, 10-11=-37, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-30
   Horz: 1-2=-25, 2-6=-21, 6-9=8, 9-10=8, 10-11=13, 2-17=19, 10-12=6
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, 6-9=-29, 9-10=-29, 10-11=-25, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-30
   Horz: 1-2=-13, 2-6=-8, 6-9=21, 9-10=21, 10-11=25, 2-17=-6, 10-12=-19
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: 1-2=-50, 2-6=-50, 6-9=-20, 9-10=-20, 10-11=-20, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-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: 1-2=-20, 2-6=-20, 6-9=-50, 9-10=-50, 10-11=-50, 14-17=-20, 14-25=-50, 12-25=-20, 18-19=-30

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	C03G	GABLE	1	1	I44981559
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:31 2021 Page 1
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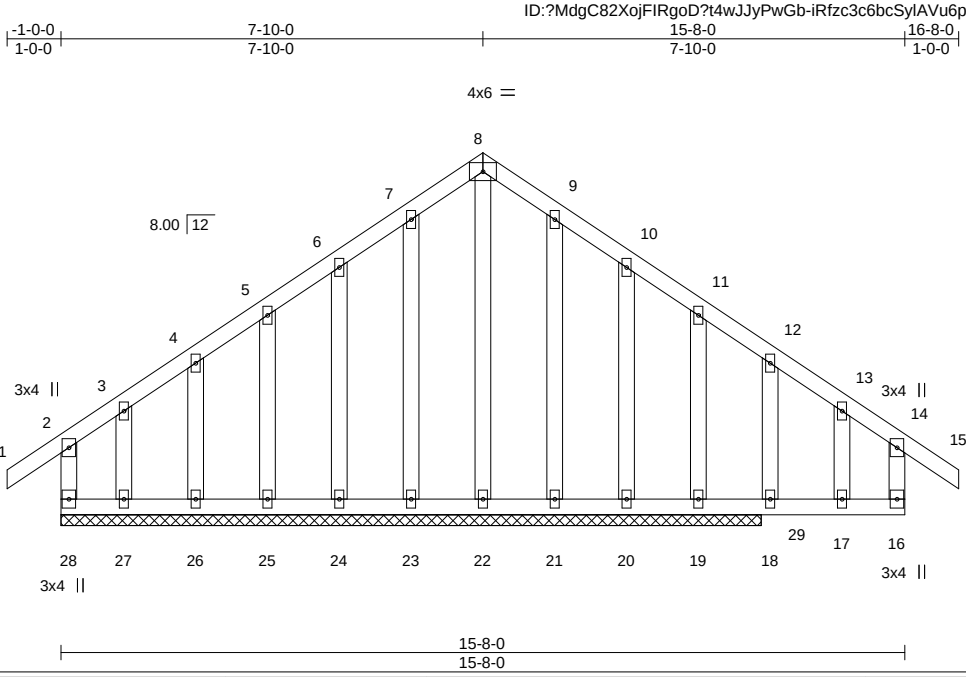


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.00	14-15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.00	14-15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	-0.00	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 120 lb	FT = 20%

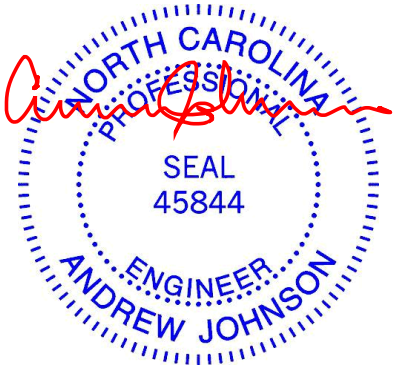
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 28=-195(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 25, 26, 21 except 28=-314(LC 19), 27=-235(LC 9), 20=-199(LC 24), 19=-213(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 23, 24, 25, 26, 21, 20 except 28=260(LC 9), 22=261(LC 1), 27=433(LC 19), 19=563(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-180/321
WEBS 11-19=-266/212

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 7-10-0, Corner(3) 7-10-0 to 10-10-0, Exterior(2) 10-10-0 to 16-8-0 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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
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.



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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	C04	COMMON	1	1	I44981560
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:32 2021 Page 1
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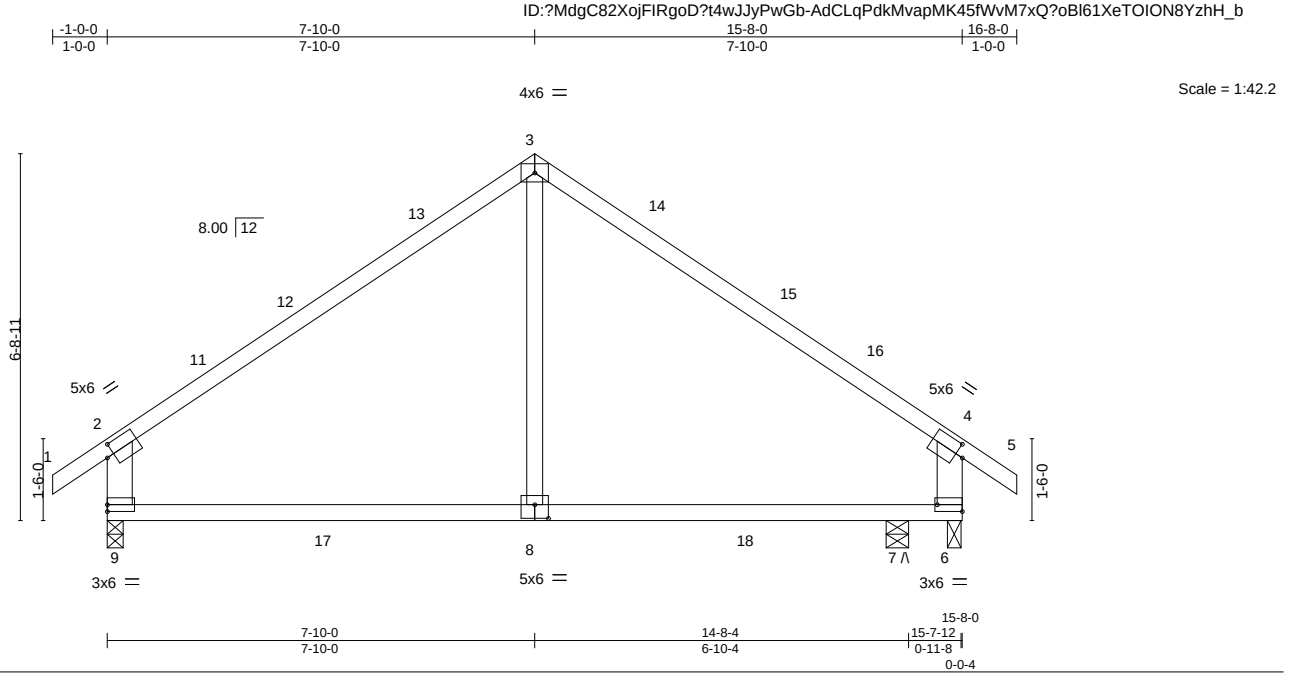

Plate Offsets (X,Y)-- [2:0-1-11,0-2-8], [4:0-1-11,0-2-8], [6:Edge,0-1-8], [8:0-3-0,0-3-0]

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	0.91	Vert(LL)	-0.10	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.20	8-9	>868	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.09	7-8	>999	240	Weight: 70 lb	FT = 20%

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

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

REACTIONS. (size) 9=0-3-8, 6=0-3-0, 7=0-4-15
Max Horz 9=-197(LC 10)
Max Uplift 9=-79(LC 12), 6=-157(LC 12), 7=REL
Max Grav 9=737(LC 19), 6=693(LC 19), 7=328(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-632/198, 2-3=-676/134, 3-4=-700/138, 4-6=-621/201
BOT CHORD 8-9=-23/518, 7-8=-23/518, 6-7=-23/518
WEBS 3-8=0/363

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 7-10-0, Exterior(2) 7-10-0 to 12-0-15, Interior(1) 12-0-15 to 16-8-0 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) N/A
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) 9 and 6. This connection is for uplift only and does not consider lateral forces.
7) "/\" indicates Released bearing: allow for upward movement at joint(s) 7.

February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	C05T	SPECIAL	1	1	I44981561
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:33 2021 Page 1
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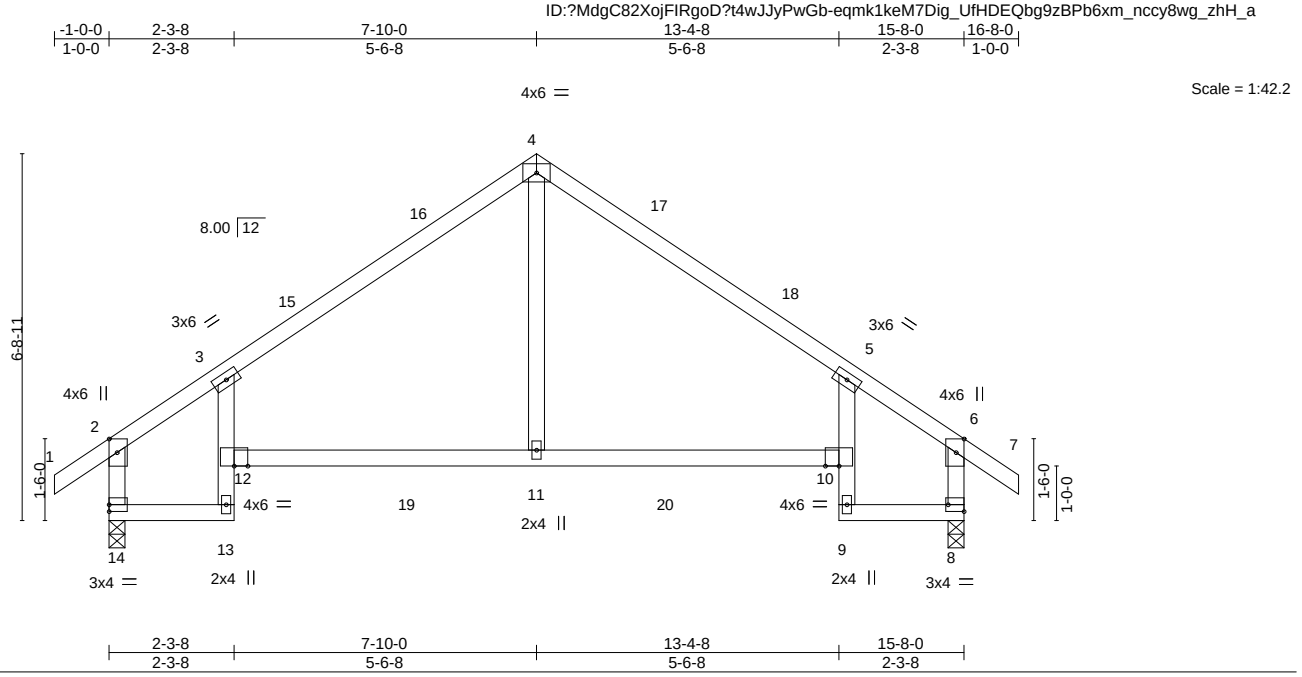


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [6:0-3-0,Edge], [8:Edge,0-1-8]

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	0.86	Vert(LL)	-0.16	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.27	10-11	>675	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.22	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.22	11-12	>837	240	Weight: 73 lb	FT = 20%

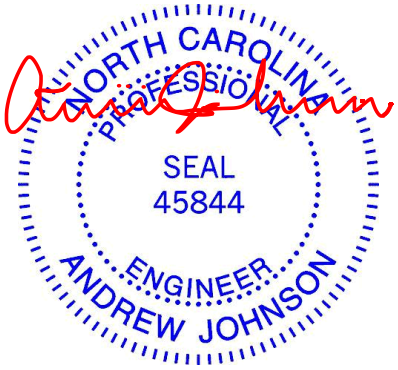
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 14=0-3-8, 8=0-3-8
Max Horz 14=-195(LC 10)
Max Uplift 14=-67(LC 12), 8=-67(LC 13)
Max Grav 14=694(LC 19), 8=694(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-611/129, 2-3=-560/96, 3-4=-704/131, 4-5=-743/146, 5-6=-551/92, 6-8=-588/138
BOT CHORD 13-14=-89/424, 11-12=0/626, 10-11=0/626, 8-9=-21/326
WEBS 4-11=0/368

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-12, Interior(1) 2-0-12 to 7-10-0, Exterior(2) 7-10-0 to 12-0-15, Interior(1) 12-0-15 to 16-8-0 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 14 and 8. This connection is for uplift only and does not consider lateral forces.



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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen	I44981562
CG1011-R	C06TGR	SPECIAL	5	2	Job Reference (optional)	

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 26 12:39:57 2021 Page 1
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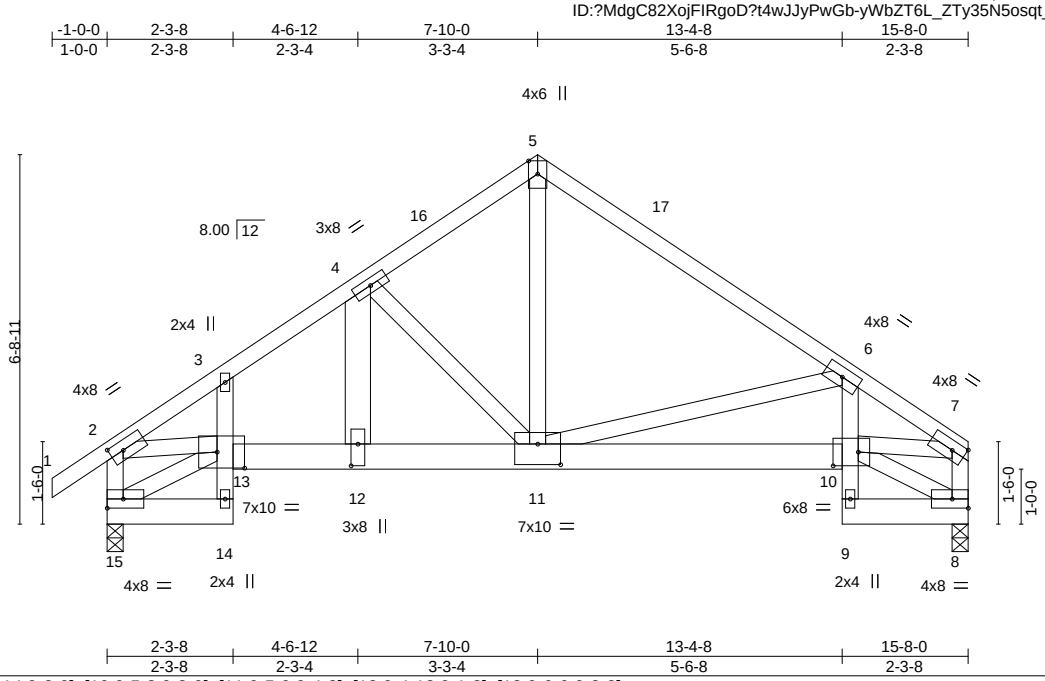

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [10:0-5-8,0-3-0], [11:0-5-0,0-4-8], [12:0-4-12,0-1-8], [13:0-6-0,0-3-8]

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	0.56	Vert(LL)	-0.10	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.20	10-11	>910	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.15	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.10	10-11	>999	240	Weight: 231 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
14-15,8-9: 2x6 SP No.2, 10-13: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
2-13,7-10: 2x4 SP No.2, 4-12: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 15=4087/0-3-8, 8=4657/0-3-8
Max Horz 15=186(LC 5)
Max Uplift 15=-720(LC 8), 8=-820(LC 9)
Max Grav 15=4475(LC 15), 8=5112(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-4263/734, 2-3=-7506/1233, 3-4=-7204/1200, 4-16=-5144/835, 5-16=-5063/855, 5-17=-5096/858, 6-17=-5187/839, 6-7=-8148/1318, 7-8=-4479/720
BOT CHORD 14-15=-123/597, 3-13=-22/252, 12-13=-1004/6111, 11-12=-1006/6111, 10-11=-1212/7259, 9-10=-79/543, 6-10=-336/2376
WEBS 13-15=-548/124, 2-13=-946/5974, 4-12=-455/2613, 4-11=-2501/528, 5-11=-893/5439, 6-11=-3004/672, 7-10=-1059/6554

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 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered 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 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) 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) One RT8A 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.
8) Two RT7 USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Double installations of RT7 require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2375 lb down and 403 lb up at 4-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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Continued on page 2

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Edenton, NC 27932

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-5=-60, 5-7=-60, 14-15=-20, 12-13=-20, 10-12=-508(F=-488), 8-9=-508(F=-488)

Concentrated Loads (lb)

Vert: 12=-2098(F)

ENGINEERING BY TRENCO

A MiTek Affiliate

818 Soundside Road

Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	CP01G	GABLE	1	1	I44981563
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:35 2021 Page 1
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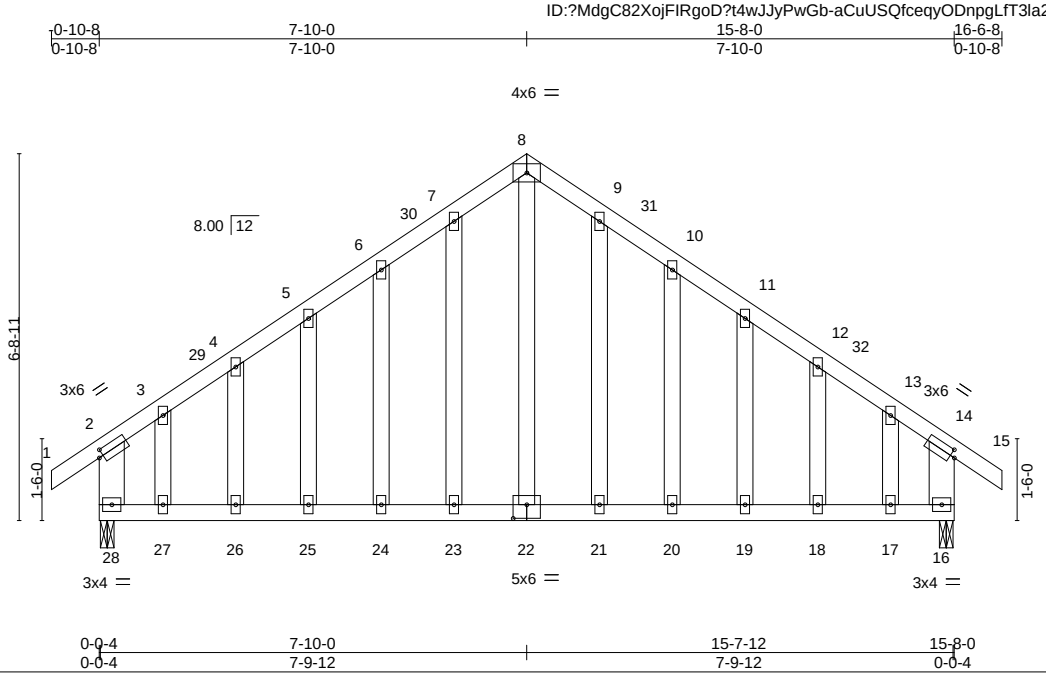


Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0], [12:0-0-0,0-0-0], [13:0-0-0,0-0-0], [14:0-1-0,0-1-8], [22:0-3-0,0-3-0]

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	0.66	Vert(LL)	-0.13	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.20	19-20	>917	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.17	25	>999	240	Weight: 122 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x6 SP No.2 *Except* 8-22: 2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

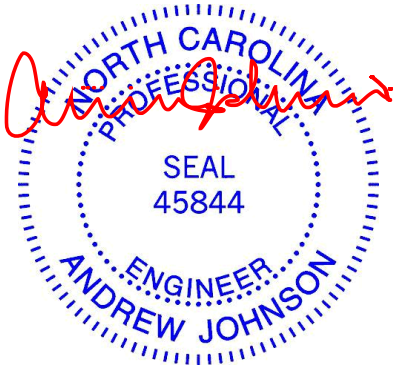
REACTIONS. (size) 28=0-3-0, 16=0-3-0
Max Horz 28=195(LC 11)
Max Uplift 28=-65(LC 12), 16=-65(LC 13)
Max Grav 28=675(LC 1), 16=675(LC 1)

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

TOP CHORD	2-28=-572/116, 2-3=-608/55, 3-4=-545/75, 4-5=-520/104, 5-6=-492/130, 6-7=-490/156, 7-8=-509/193, 8-9=-509/193, 9-10=-490/156, 10-11=-492/130, 11-12=-520/104, 12-13=-545/75, 13-14=-608/55, 14-16=-572/116
BOT CHORD	27-28=-0/417, 26-27=-0/417, 25-26=-0/417, 24-25=-0/417, 23-24=-0/417, 22-23=-0/417, 21-22=-0/417, 20-21=-0/417, 19-20=-0/417, 18-19=-0/417, 17-18=-0/417, 16-17=-0/417
WEBS	8-22=-132/366

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 7-10-0, Exterior(2) 7-10-0 to 11-10-0, Interior(1) 11-10-0 to 16-6-8 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) 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) 28 and 16. This connection is for uplift only and does not consider lateral forces.



February 26,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	CP02	COMMON	1	1	I44981564
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:36 2021 Page 1
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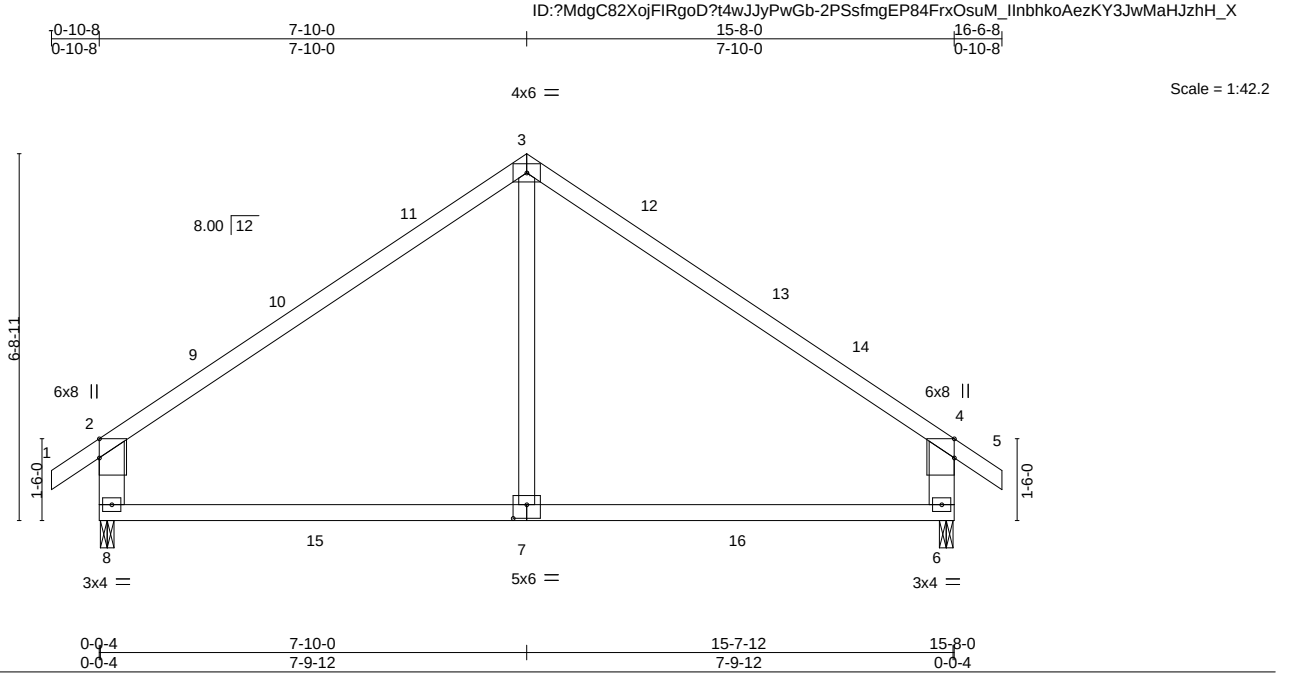

Plate Offsets (X,Y)-- [2:0-4-3,Edge], [4:0-4-3,0-0-0], [7:0-3-0,0-3-0]

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	0.92	Vert(LL)	-0.12	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.21	6-7	>867	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	-0.08	7-8	>999	240	Weight: 69 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
3-7: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 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=195(LC 11)
Max Uplift 8=-65(LC 12), 6=-65(LC 13)
Max Grav 8=729(LC 19), 6=729(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-627/192, 2-3=-708/134, 3-4=-707/134, 4-6=-627/192
BOT CHORD 7-8=0/518, 6-7=0/518
WEBS 3-7=0/378

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 7-10-0, Exterior(2) 7-10-0 to 12-0-15, Interior(1) 12-0-15 to 16-6-8 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) 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) 8 and 6. This connection is for uplift only and does not consider lateral forces.

February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	E01G	GABLE	1	1	I44981565
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:37 2021 Page 1
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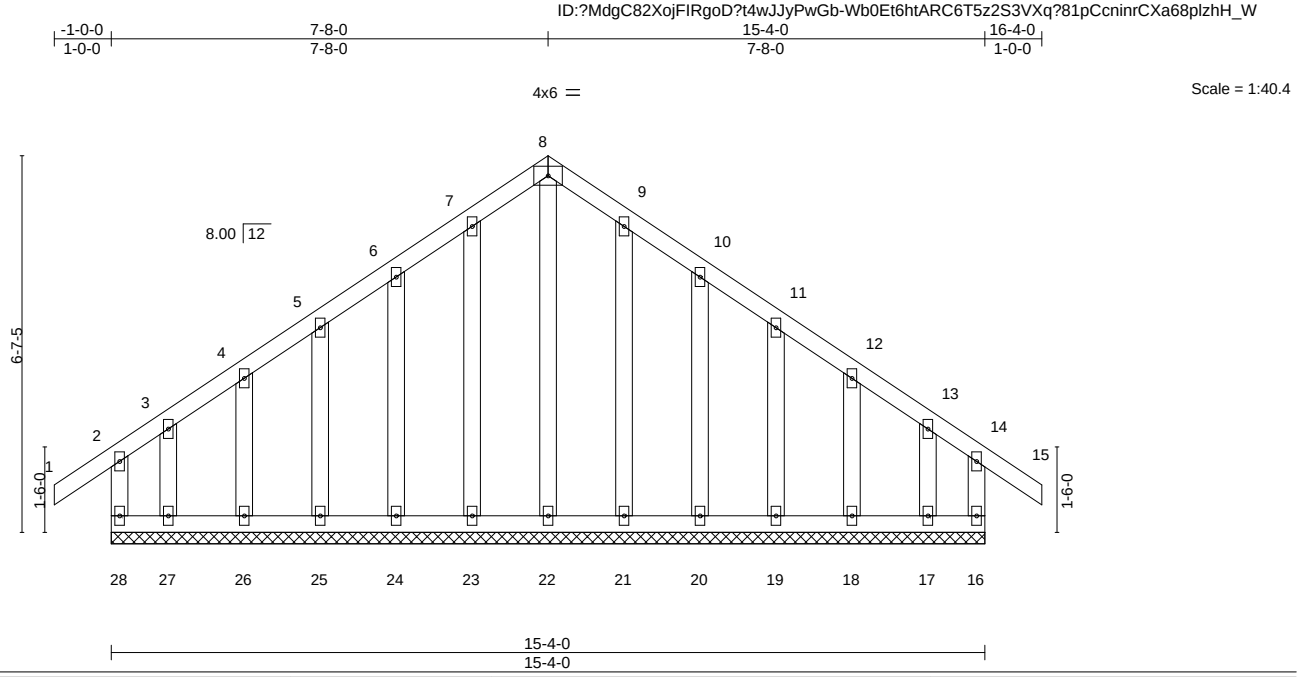

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 117 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.

REACTIONS. All bearings 15-4-0.
(lb) - Max Horz 28=-193(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 25, 26, 21, 20, 19, 18 except 28=-172(LC 8), 16=-149(LC 9), 27=-171(LC 9), 17=-152(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 28, 16, 22, 23, 24, 25, 26, 27, 21, 20, 19, 18, 17

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 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) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 7-8-0, Corner(3) 7-8-0 to 10-8-0, Exterior(2) 10-8-0 to 16-4-0 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 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 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	E02GR	COMMON	1	3	I44981566
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:38 2021 Page 1
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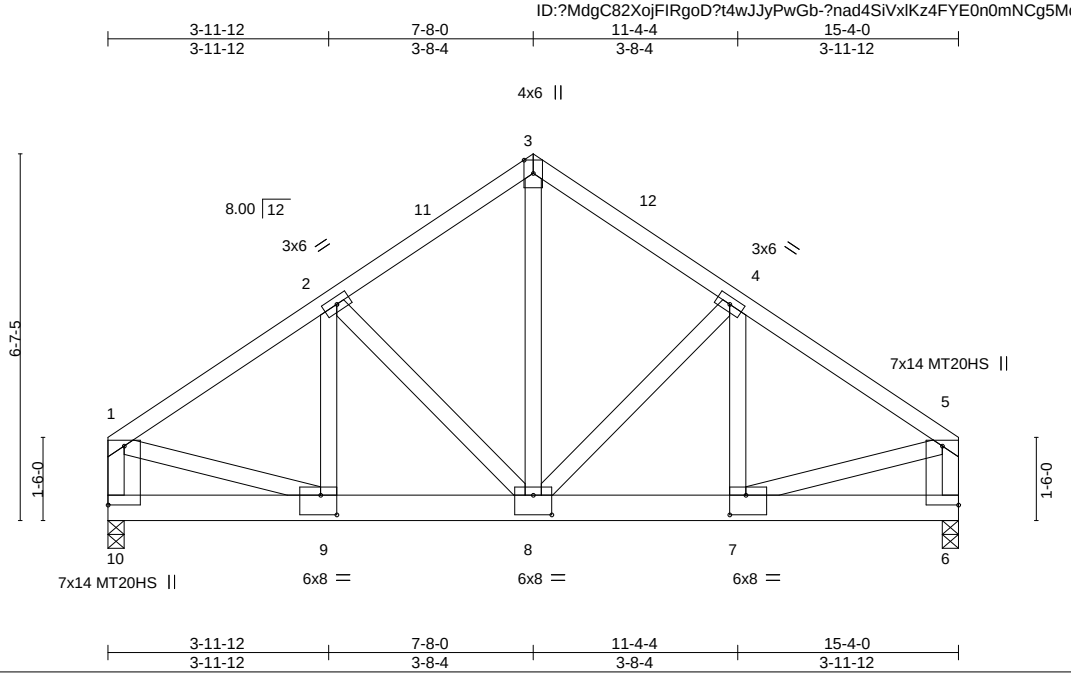

Plate Offsets (X,Y)-- [5:Edge,0-3-8], [7:0-3-8,0-4-4], [8:0-4-0,0-4-4], [9:0-3-8,0-4-4], [10:Edge,0-3-8]

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	0.65	Vert(LL)	-0.04	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.63	Vert(CT)	-0.08	8-9	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr NO	WB	0.74	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.04	8-9	>999	240	Weight: 332 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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) 10=0-3-8, 6=0-3-8
Max Horz 10=170(LC 5)
Max Uplift 10=-1217(LC 8), 6=-1217(LC 9)
Max Grav 10=7467(LC 15), 6=7445(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-5801/959, 1-2=-7207/1179, 2-3=-5656/978, 3-4=-5678/978, 4-5=-7200/1179, 5-6=-5779/958
BOT CHORD 9-10=-173/584, 8-9=-1001/6026, 7-8=-938/5946, 6-7=-99/464
WEBS 3-8=-1020/6008, 4-8=-1724/396, 4-7=-296/1955, 5-7=-895/5742, 2-8=-1824/396, 2-9=-296/1966, 1-9=-894/5700

NOTES-
1) 3-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 0-5-0 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 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) All plates are MT20 plates 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1217, 6=1217.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 6-10=-833(F=-813)

February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	G01G	GABLE	1	1	I44981567
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:40 2021 Page 1
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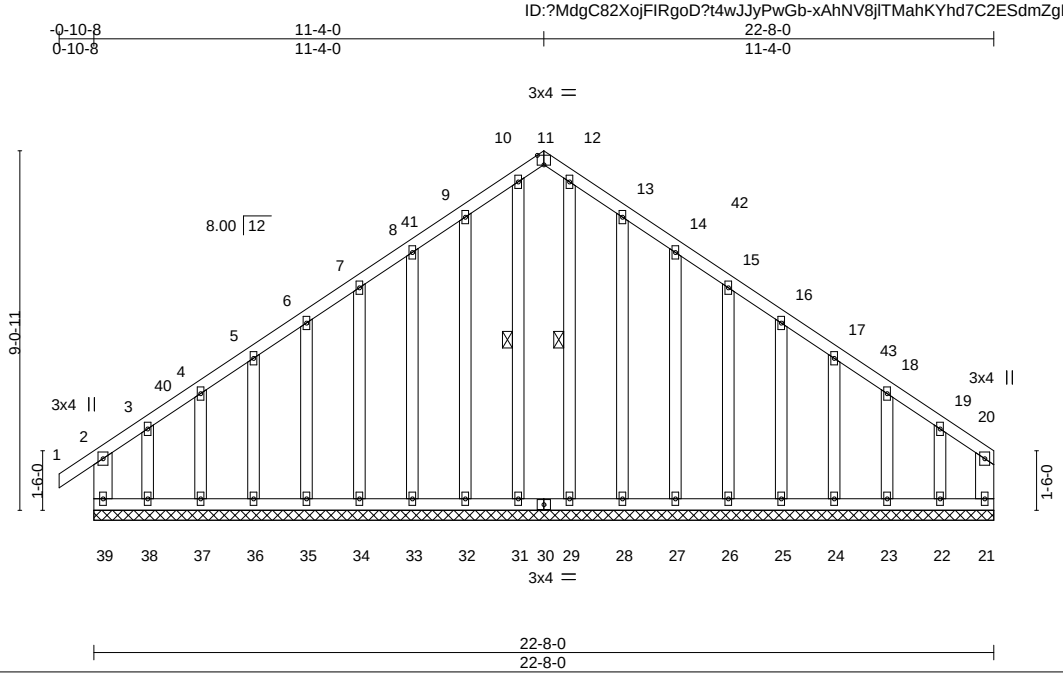

Plate Offsets (X,Y)-- [11:0-2-0,Edge]

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	0.15	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 200 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x6 SP No.2
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 10-31, 12-29

REACTIONS. All bearings 22-8-0.
(lb) - Max Horz 39=248(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 11, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23 except 39=-224(LC 8), 21=-156(LC 9), 38=-240(LC 9), 22=-165(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 21, 31, 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23, 22 except 39=283(LC 20), 11=259(LC 13), 38=283(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 9-10=-238/258, 10-11=-247/273, 11-12=-247/271, 12-13=-238/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 11-4-0, Exterior(2) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 22-5-4 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) 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 26,2021

ENGINEERING BY
TRENCO
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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	G02	FINK	3	1	I44981568
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:41 2021 Page 1
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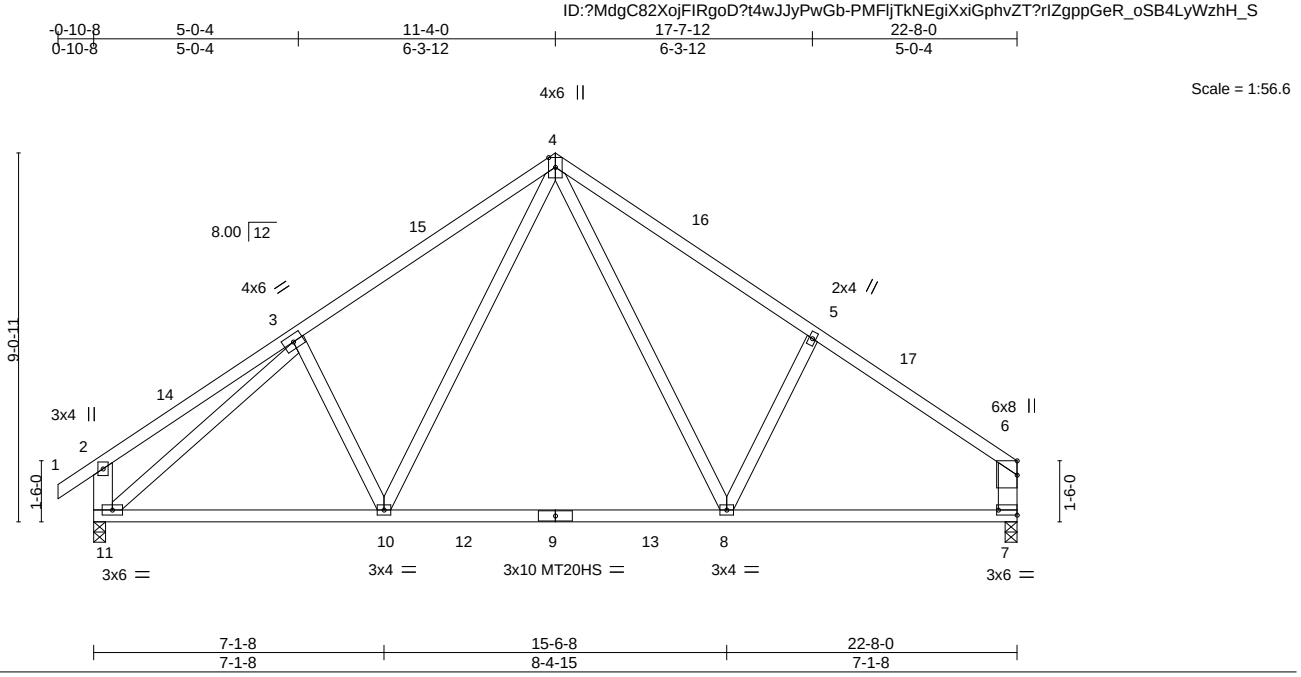

Plate Offsets (X,Y)-- [6:0-4-3,0-0-0], [7:Edge,0-1-8]

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	0.84	Vert(LL)	-0.35	8-10	>767	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.60	8-10	>446	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.16	8-10	>999	240	Weight: 133 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except* 1-4: 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except* 2-11,6-7: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-8, 11=0-3-8
Max Horz 11=248(LC 9)
Max Uplift 7=-97(LC 13), 11=-120(LC 12)
Max Grav 7=887(LC 1), 11=956(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1001/224, 4-5=-901/221, 5-6=-1024/157, 6-7=-755/134
BOT CHORD 10-11=-158/921, 8-10=-2/643, 7-8=-86/732
WEBS 4-10=-120/472, 4-8=-112/349, 3-11=-1008/73

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 11-4-0, Exterior(2) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 22-5-4 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) 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) 7 and 11. This connection is for uplift only and does not consider lateral forces.

February 26,2021

ENGINEERING BY TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	H01G	GABLE	1	1	I44981569
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:42 2021 Page 1
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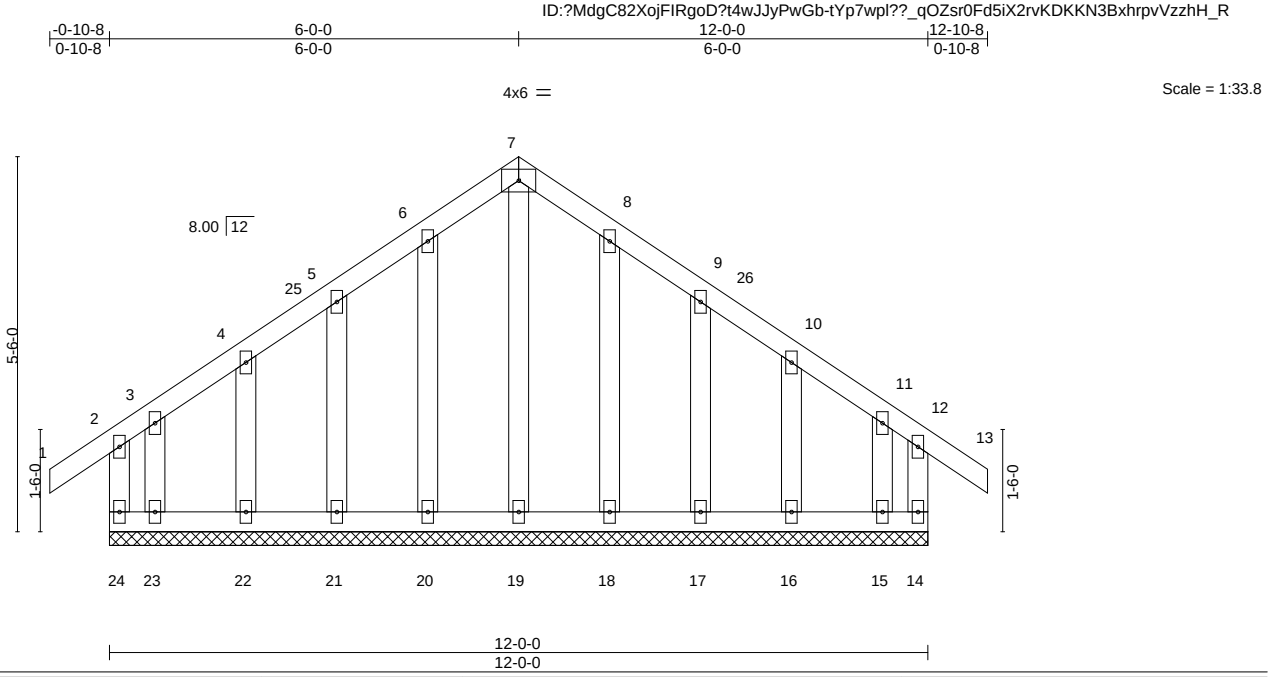

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							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 6-0-0 oc bracing.

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 24=-162(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 20, 21, 22, 18, 17, 16 except 24=-199(LC 8), 14=-176(LC 9), 23=-190(LC 9), 15=-171(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 24, 14, 19, 20, 21, 22, 23, 18, 17, 16, 15

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 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 2-0-0, Interior(1) 2-0-0 to 6-0-0, Exterior(2) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 12-10-8 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 26,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	H02	KINGPOST	1	1	I44981570
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:43 2021 Page 1
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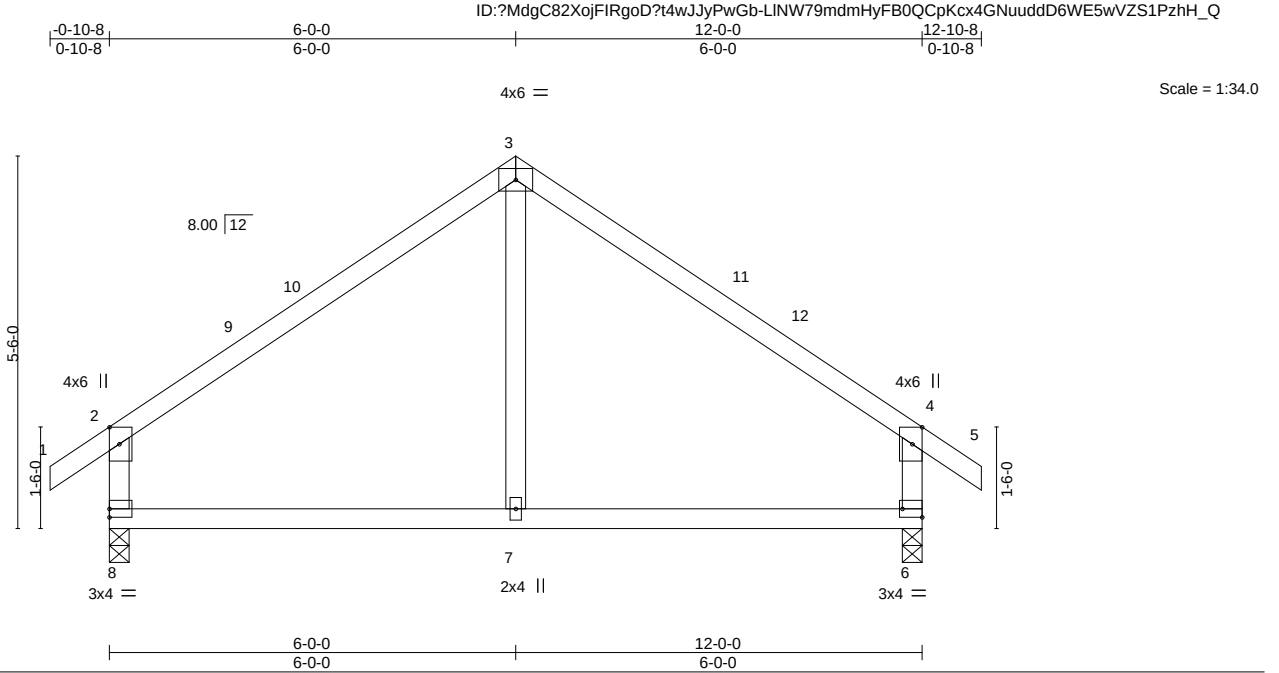

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [4:0-3-0,Edge], [6:Edge,0-1-8]

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	0.86	Vert(LL)	-0.04	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.09	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	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: 53 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=162(LC 11)
Max Uplift 8=-71(LC 12), 6=-71(LC 13)
Max Grav 8=530(LC 1), 6=530(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-440/112, 3-4=-440/112, 2-8=-451/167, 4-6=-451/167
BOT CHORD 7-8=-5/294, 6-7=-5/294

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 6-0-0, Exterior(2) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 12-10-8 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.

February 26,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	H03	KINGPOST	4	1	I44981571
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:44 2021 Page 1
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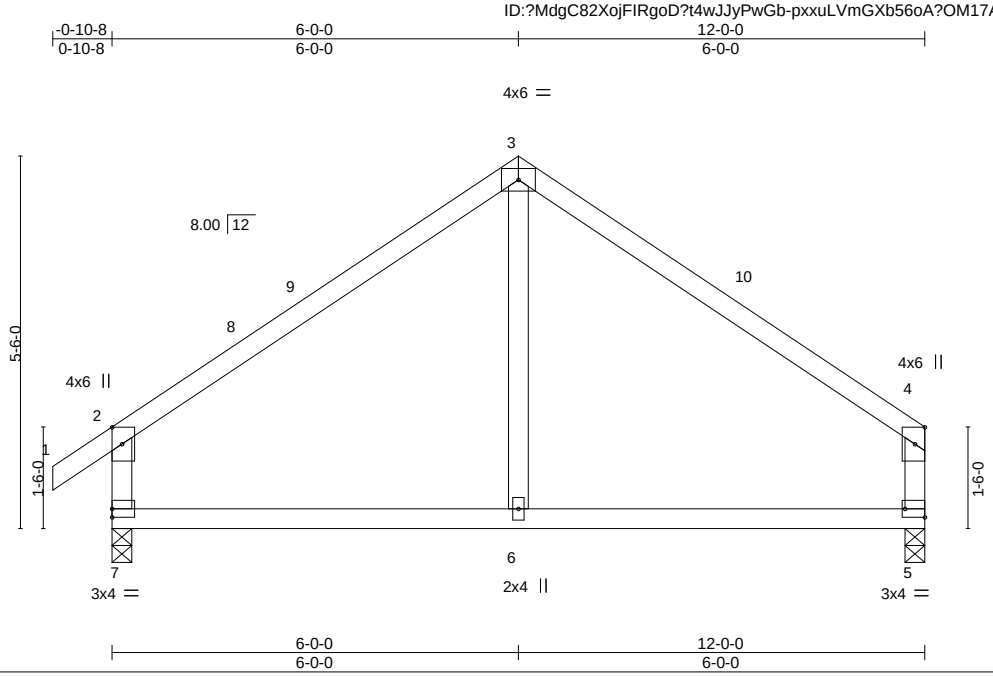


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:Edge,0-1-8]

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	0.85	Vert(LL)	-0.05	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.12	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.03	6-7	>999	240	Weight: 52 lb	FT = 20%

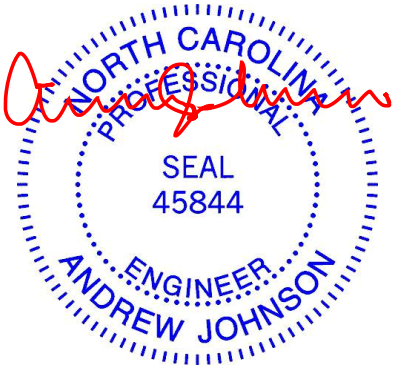
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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) 7=0-3-8, 5=0-3-8
Max Horz 7=157(LC 11)
Max Uplift 7=-70(LC 12), 5=-50(LC 13)
Max Grav 7=532(LC 1), 5=466(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-440/110, 3-4=-433/109, 2-7=-450/165, 4-5=-378/119
BOT CHORD 6-7=-32/286, 5-6=-32/286

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 6-0-0, Exterior(2) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 11-10-4 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) 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) 7 and 5. This connection is for uplift only and does not consider lateral forces.



February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	J01	JACK	1	1	I44981572
					Job Reference (optional)

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 26 12:40:51 2021 Page 1
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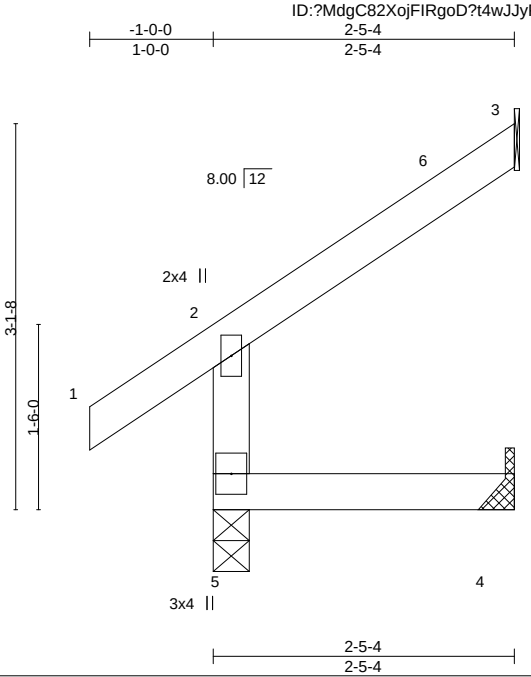

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR							Weight: 12 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 2-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=176/0-3-8, 3=52/Mechanical, 4=20/Mechanical
Max Horz 5=73(LC 9)
Max Uplift 3=-59(LC 12), 4=-12(LC 12)
Max Grav 5=176(LC 1), 3=66(LC 19), 4=40(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 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-5-0 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
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 59 lb uplift at joint 3 and 12 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	J02	MONO HIP	1	1	I44981573
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:45 2021 Page 1
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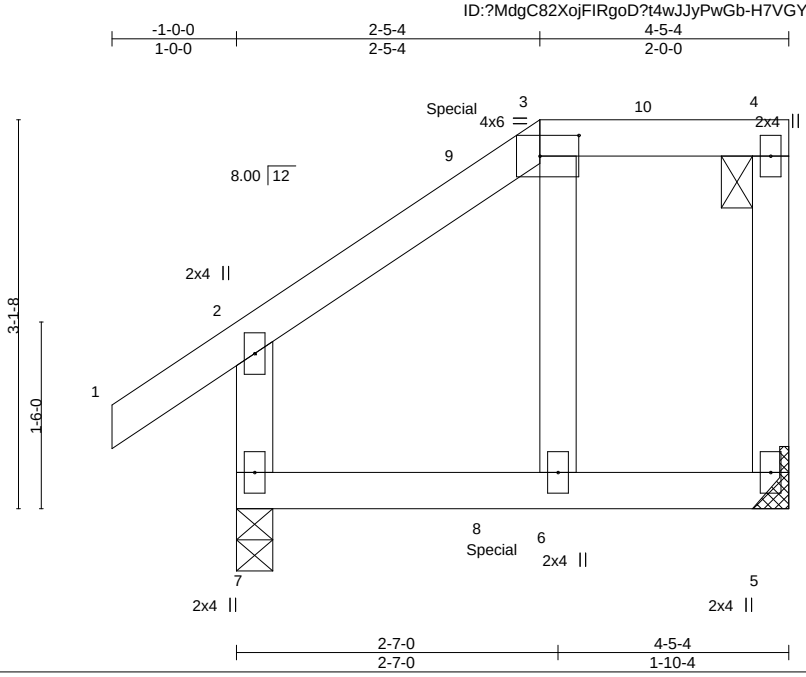


Plate Offsets (X,Y)-- [3:0-3-12,0-2-0]

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	0.17	Vert(LL)	0.02	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	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							Weight: 25 lb	FT = 20%

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

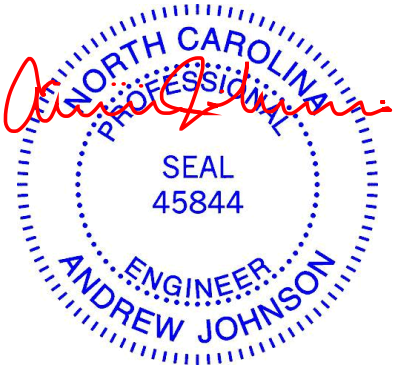
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-8, 5=Mechanical
Max Horz 7=120(LC 7)
Max Uplift 7=-61(LC 8), 5=-110(LC 5)
Max Grav 7=243(LC 1), 5=155(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 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) except (jt=lb) 5=110.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3 lb down and 39 lb up at 2-0-0, and 1 lb down and 31 lb up at 4-3-8 on top chord, and 0 lb down and 18 lb up at 2-0-12, and 0 lb down and 18 lb up at 4-3-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) 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: 5-7=-20, 1-2=-60, 2-3=-60, 3-4=-60
Concentrated Loads (lb)
Vert: 5=1(B) 8=1(B)



February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	J03	JACK	1	1	I44981574
					Job Reference (optional)

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 26 12:41:05 2021 Page 1
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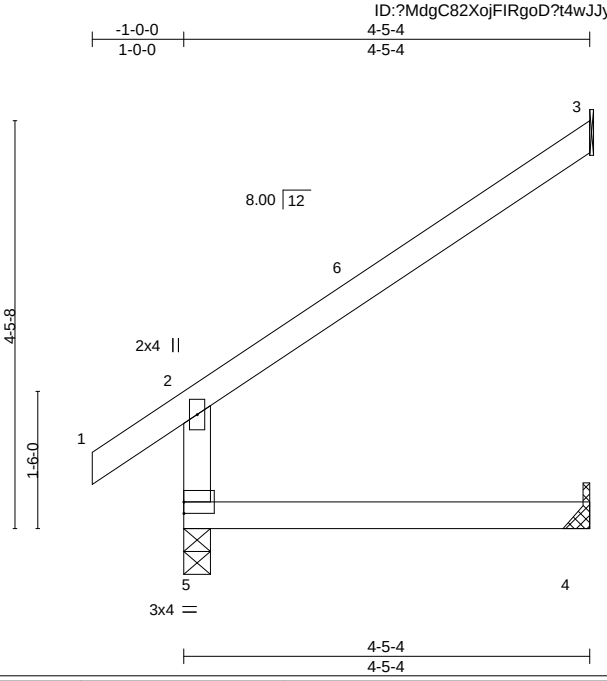


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.07	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR							Weight: 18 lb	FT = 20%

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

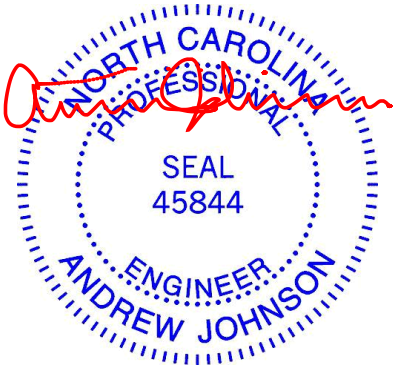
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=247/0-3-8, 3=113/Mechanical, 4=47/Mechanical
Max Horz 5=121(LC 12)
Max Uplift 3=-99(LC 12), 4=-5(LC 12)
Max Grav 5=247(LC 1), 3=130(LC 19), 4=79(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 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 4-5-0 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
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 99 lb uplift at joint 3 and 5 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 26,2021

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TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	J03T	JACK	1	1	I44981575
					Job Reference (optional)

8.430 s Nov 30 2020 MiTek Industries, Inc. Fri Feb 26 12:41:37 2021 Page 1
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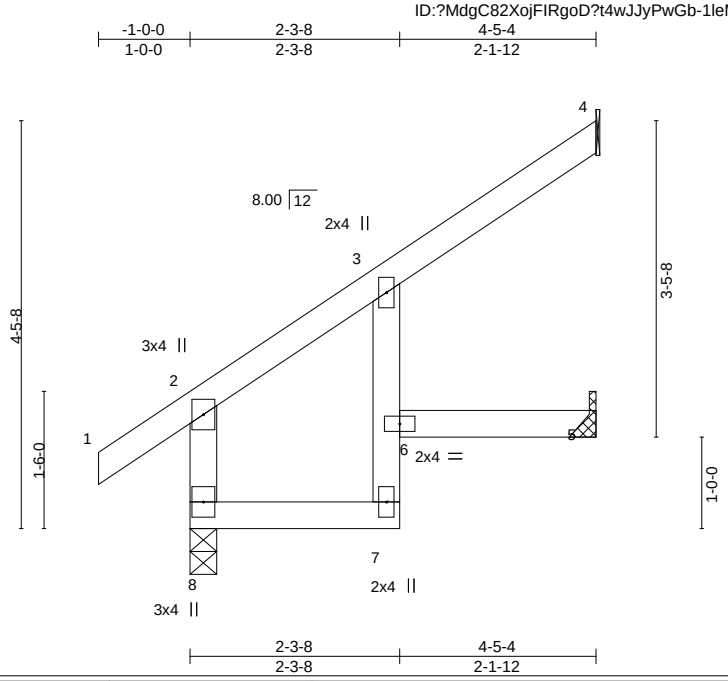


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.10	7	>489	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.08	7	>647	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.12	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		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

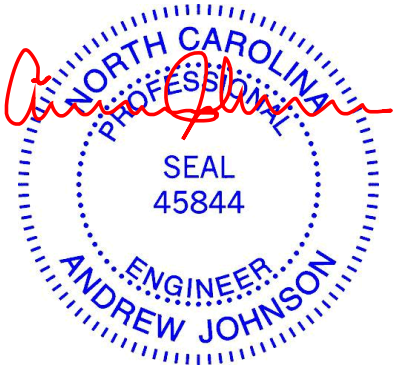
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=248/0-3-8, 4=138/Mechanical, 5=21/Mechanical
Max Horz 8=121(LC 12)
Max Uplift 4=-117(LC 12)
Max Grav 8=248(LC 1), 4=164(LC 19), 5=43(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 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) -1-0-0 to 2-1-12, Interior(1) 2-1-12 to 4-5-0 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
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 117 lb uplift at joint 4.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	P03	MONO TRUSS	2	1	I44981576
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:47 2021 Page 1
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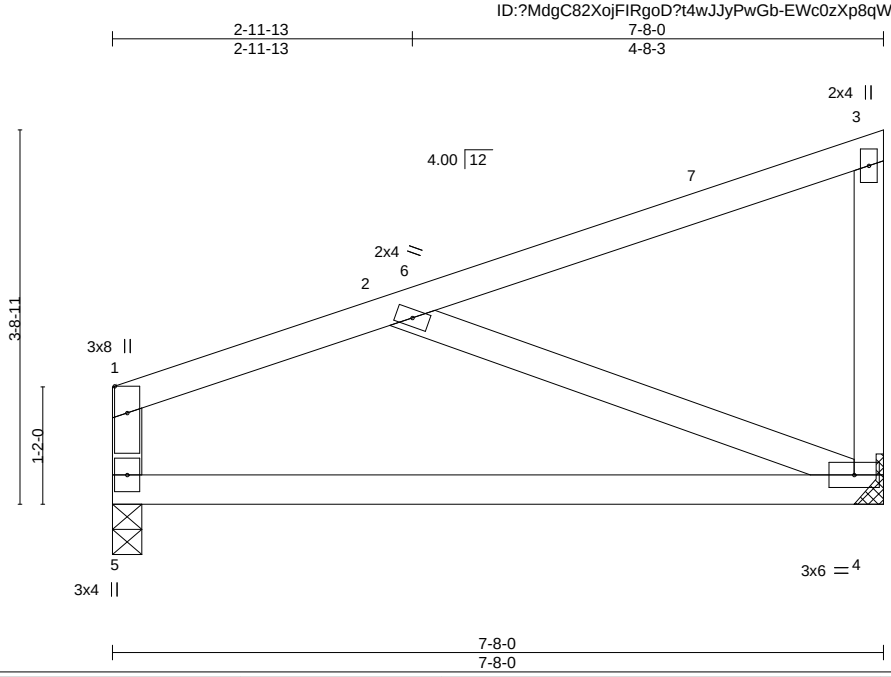


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.10	4-5	>853	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.20	4-5	>447	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.02	4-5	>999	240	Weight: 36 lb	FT = 20%

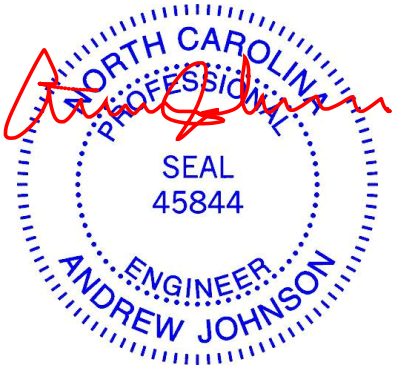
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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) 5=0-3-8, 4=Mechanical
Max Horz 5=139(LC 9)
Max Uplift 5=-45(LC 8), 4=-68(LC 8)
Max Grav 5=295(LC 1), 4=295(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-319/130
BOT CHORD 4-5=-246/288
WEBS 2-4=-256/217

NOTES-
1) Wind: ASCE 7-10; Vult=130mph 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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-6-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.



February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	P04	MONO TRUSS	2	1	I44981577
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:48 2021 Page 1
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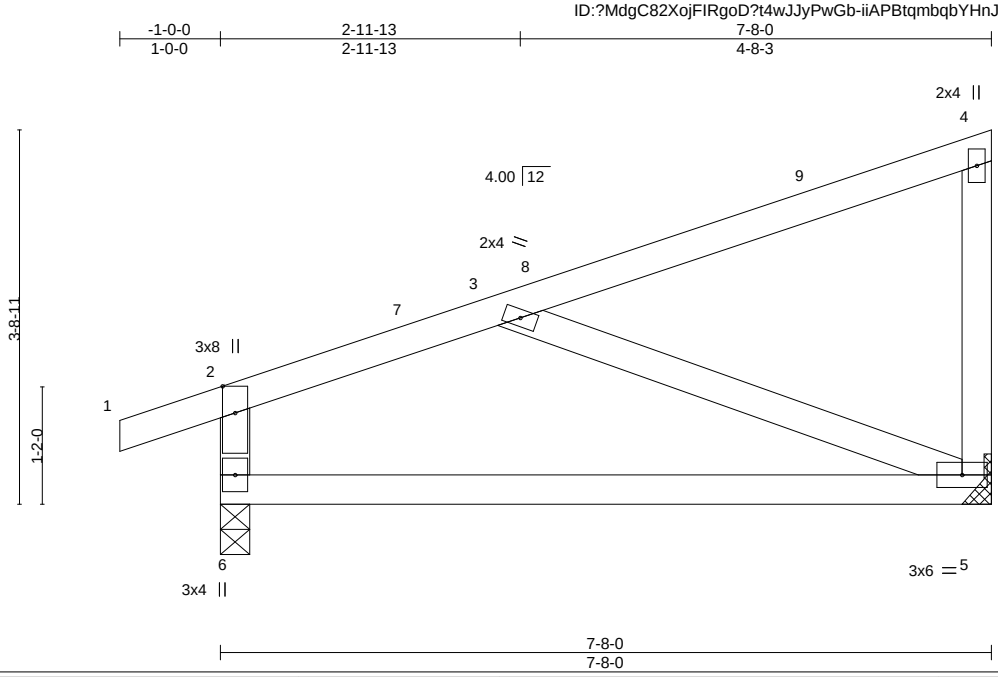

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.10	5-6	>859	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.20	5-6	>446	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.01	5-6	>999	240	Weight: 38 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) 6=0-3-8, 5=Mechanical
Max Horz 6=147(LC 9)
Max Uplift 6=-93(LC 8), 5=-66(LC 8)
Max Grav 6=369(LC 1), 5=290(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-309/107, 2-6=-288/183
BOT CHORD 5-6=-243/282

NOTES-
1) Wind: ASCE 7-10; Vult=130mph 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) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 7-6-4 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
6) 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.

February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	PB01	GABLE	2	1	I44981578
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:50 2021 Page 1
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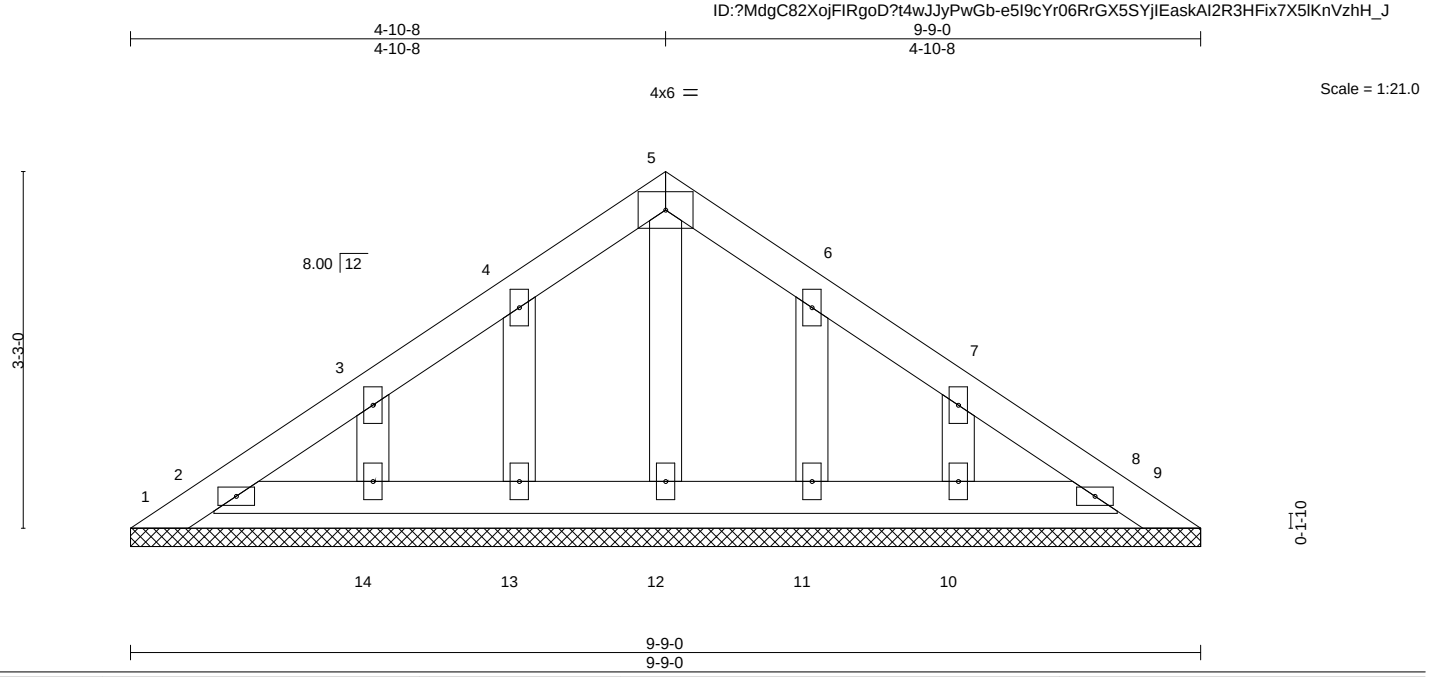

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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 9-9-0.
(lb) - Max Horz 1=77(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 2, 8, 12, 13, 14, 11, 10

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 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) 0-3-2 to 3-6-8, Exterior(2) 3-6-8 to 4-10-8, Corner(3) 4-10-8 to 7-10-8, Exterior(2) 7-10-8 to 9-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8.
10) N/A

11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	PB02	GABLE	17	1	I44981579
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:51 2021 Page 1
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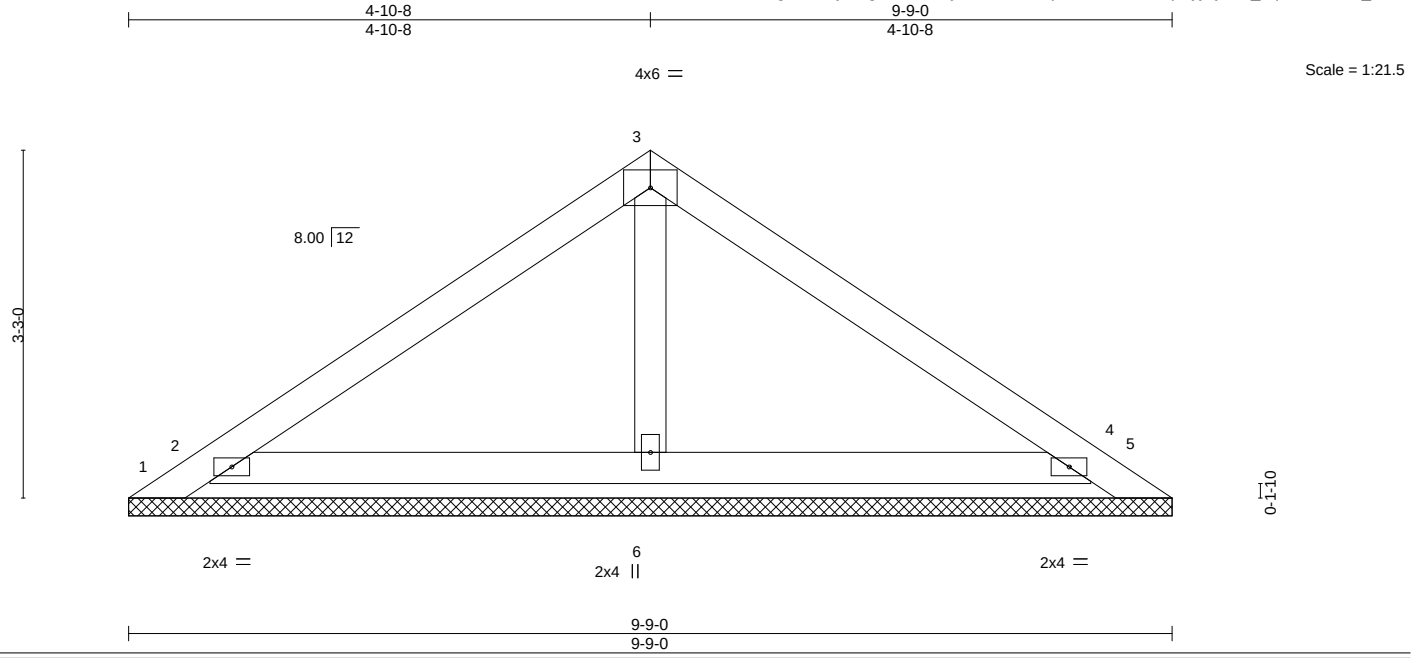


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 33 lb	FT = 20%

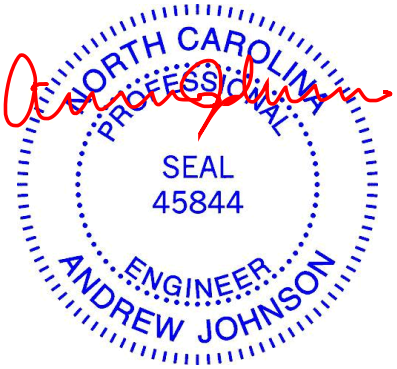
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 9-9-0.
(lb) - Max Horz 1=-77(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-234(LC 19), 5=-201(LC 20), 2=-203(LC 12), 4=-184(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 2=452(LC 19), 4=431(LC 20), 6=283(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 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) 0-3-2 to 3-3-2, Exterior(2) 3-3-2 to 4-10-8, Corner(3) 4-10-8 to 7-10-8, Exterior(2) 7-10-8 to 9-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 1 and 201 lb uplift at joint 5.
9) N/A
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	V01	VALLEY	1	1	I44981580
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:52 2021 Page 1
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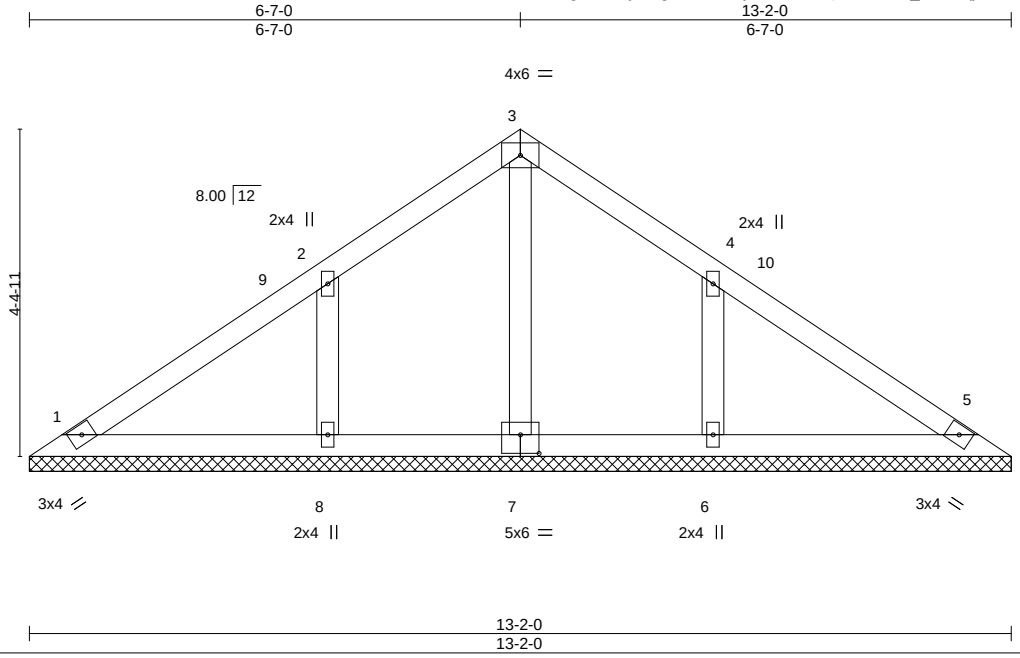


Plate Offsets (X,Y)-- [7:0-3-0,0-3-0]

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	0.26	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: 53 lb	FT = 20%

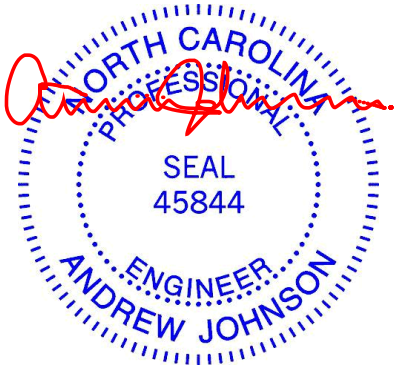
LUMBER-
TOP CHORD 2x4 SP No.3
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3

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 13-2-0.
(lb) - Max Horz 1=-102(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 6=-126(LC 13), 8=-126(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=325(LC 20), 8=325(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 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 6-7-0, Exterior(2) 6-7-0 to 9-7-0, Interior(1) 9-7-0 to 12-8-4 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 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	V02	GABLE	1	1	I44981581
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:53 2021 Page 1
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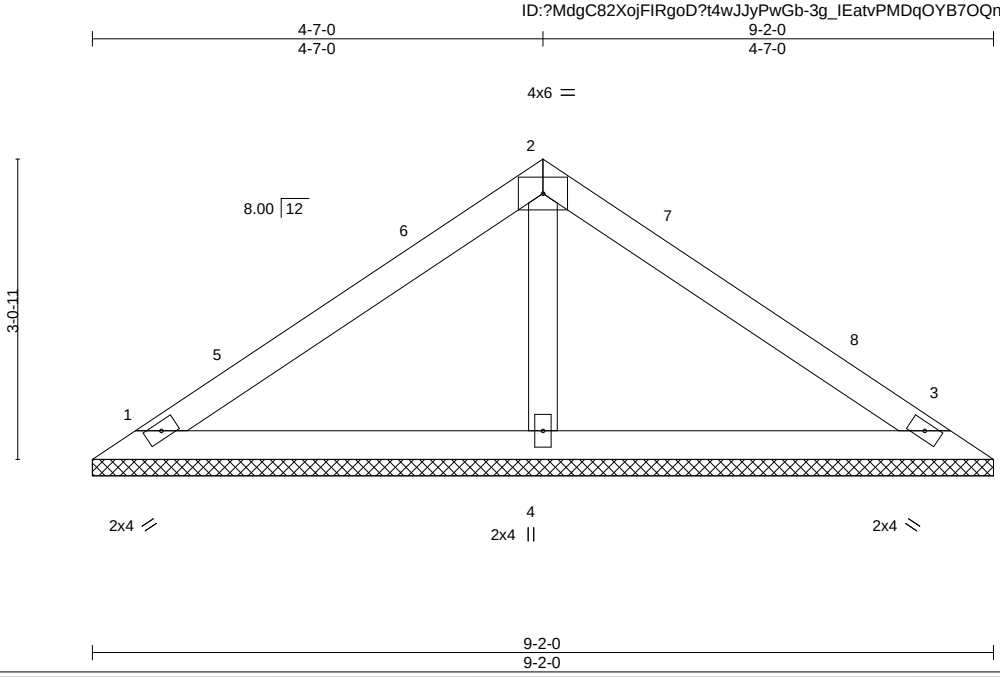

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 32 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=9-2-0, 3=9-2-0, 4=9-2-0
Max Horz 1=-69(LC 8)
Max Uplift 1=-31(LC 12), 3=-40(LC 13), 4=-14(LC 12)
Max Grav 1=160(LC 1), 3=160(LC 1), 4=336(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 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 4-7-0, Exterior(2) 4-7-0 to 7-7-0, Interior(1) 7-7-0 to 8-8-4 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, 3, 4.

February 26,2021

ENGINEERING BY
TRENCO
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Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	V03	VALLEY	1	1	I44981582

Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:53 2021 Page 1

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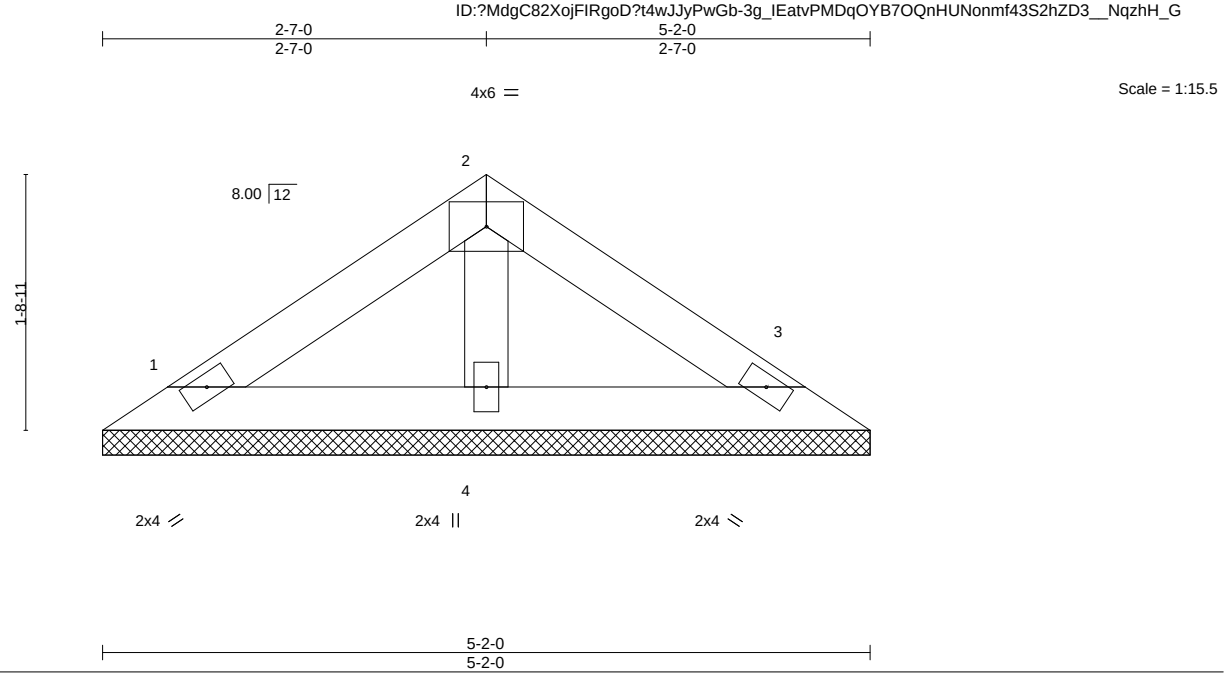


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 17 lb	FT = 20%

LUMBER-

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

BRACING-

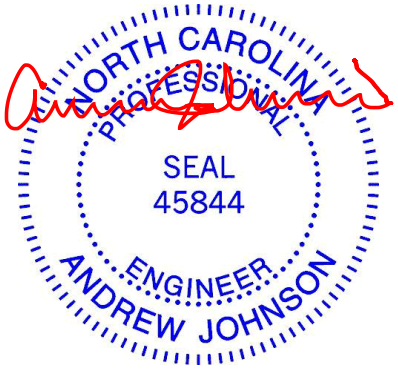
TOP CHORD Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-2-0, 3=5-2-0, 4=5-2-0
Max Horz 1=35(LC 11)
Max Uplift 1=-21(LC 12), 3=-26(LC 13)
Max Grav 1=90(LC 1), 3=90(LC 1), 4=156(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 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, 3.



February 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	V11	GABLE	1	1	I44981583
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:54 2021 Page 1
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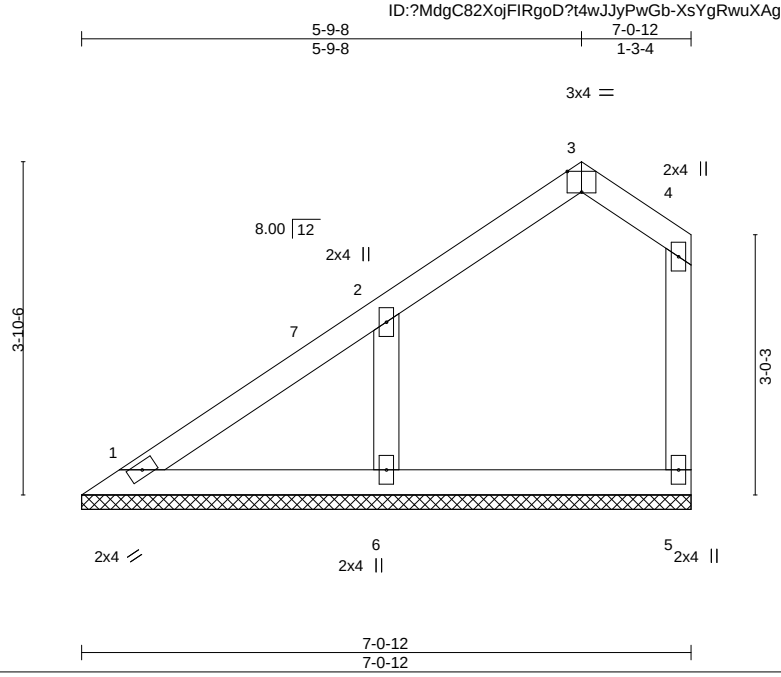


Plate Offsets (X,Y)-- [3:0-2-0,Edge]

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	0.25	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: 29 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-

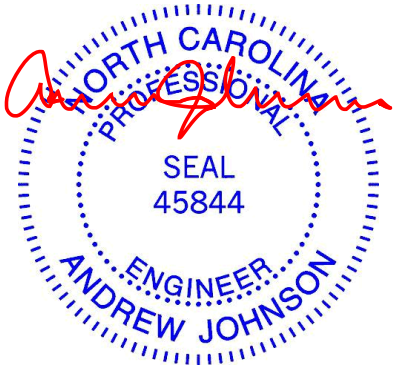
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=7-0-12, 5=7-0-12, 6=7-0-12
Max Horz 1=126(LC 9)
Max Uplift 5=-15(LC 13), 6=-100(LC 12)
Max Grav 1=116(LC 20), 5=118(LC 1), 6=315(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-6=-253/168

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph 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 3-6-6, Interior(1) 3-6-6 to 5-9-8, Exterior(2) 5-9-8 to 6-11-0 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) 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 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	V12	GABLE	1	1	I44981584
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:55 2021 Page 1
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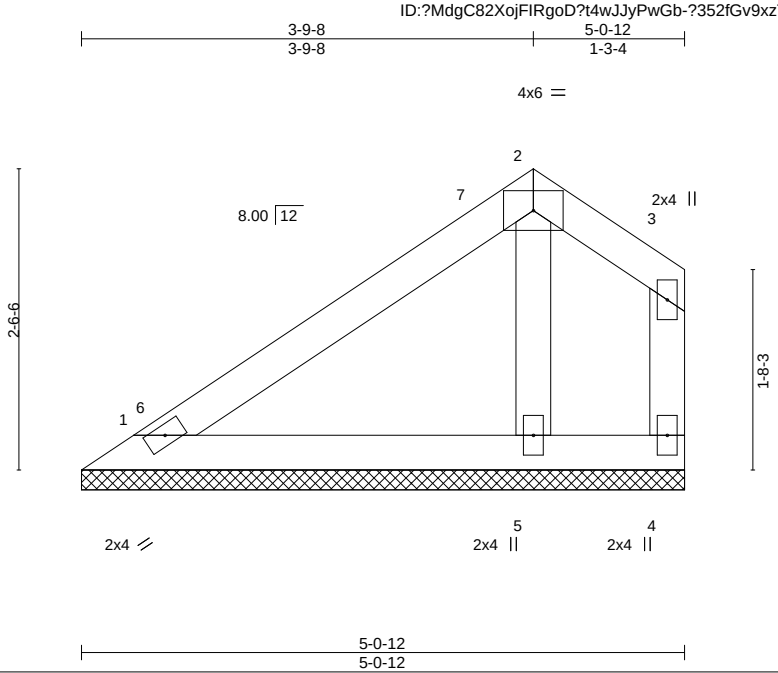

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 21 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-0-12, 4=5-0-12, 5=5-0-12
Max Horz 1=75(LC 9)
Max Uplift 1=-21(LC 12), 4=-26(LC 8), 5=-3(LC 12)
Max Grav 1=126(LC 1), 4=39(LC 20), 5=214(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 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 3-9-8, Exterior(2) 3-9-8 to 4-11-0 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) 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 26,2021

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

Job	Truss	Truss Type	Qty	Ply	McKee-Portico20CL;Lot 1011 CarriageGlen
CG1011-R	V13	GABLE	1	1	I44981585
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri Feb 26 11:54:55 2021 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-?352fGv9xzTYdsLWWrqlZot9ZSmuwyUsgNT5SizhH_E

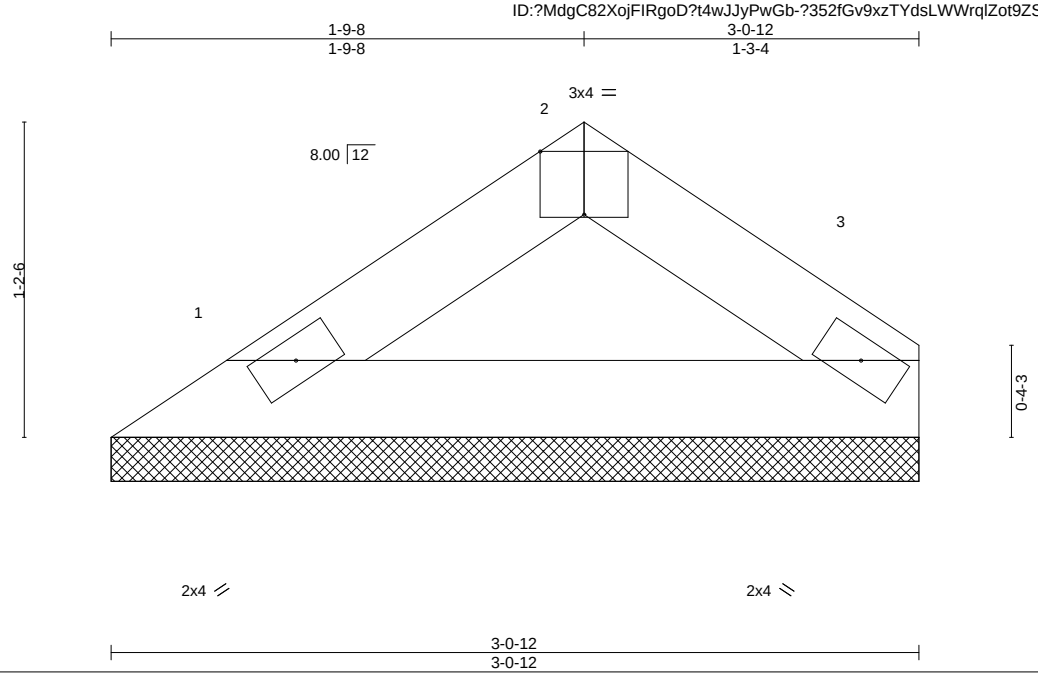

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.05	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	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 9 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 3-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-0-12, 3=3-0-12
Max Horz 1=-22(LC 8)
Max Uplift 1=-12(LC 12), 3=-10(LC 13)
Max Grav 1=97(LC 1), 3=97(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 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.

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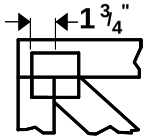
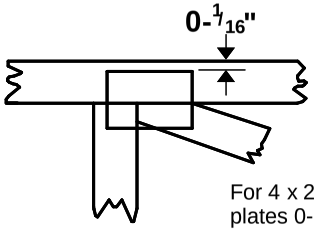
Symbols

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.

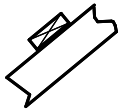
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

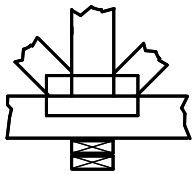
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

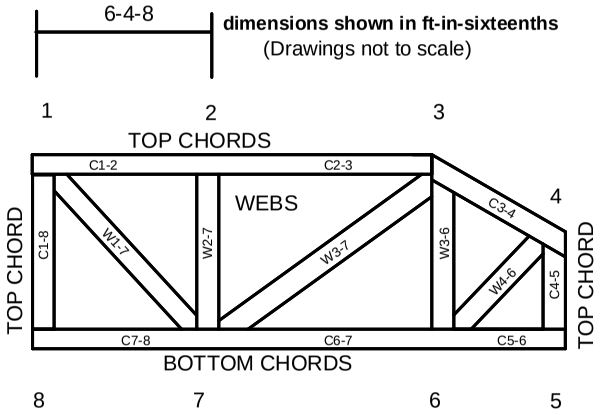


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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 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.