ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: CG1009-R
McKee-PorticoBungalow;Lot 1009 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: I43400234 thru I43400289

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844

October 29,2020

Liu, Xuegang

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-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT01G	GABLE	1	1	I43400234
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:39 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-70iUiXI?yavAXviki5bIFY4W3EUhSRTdPAcGlVyOrps

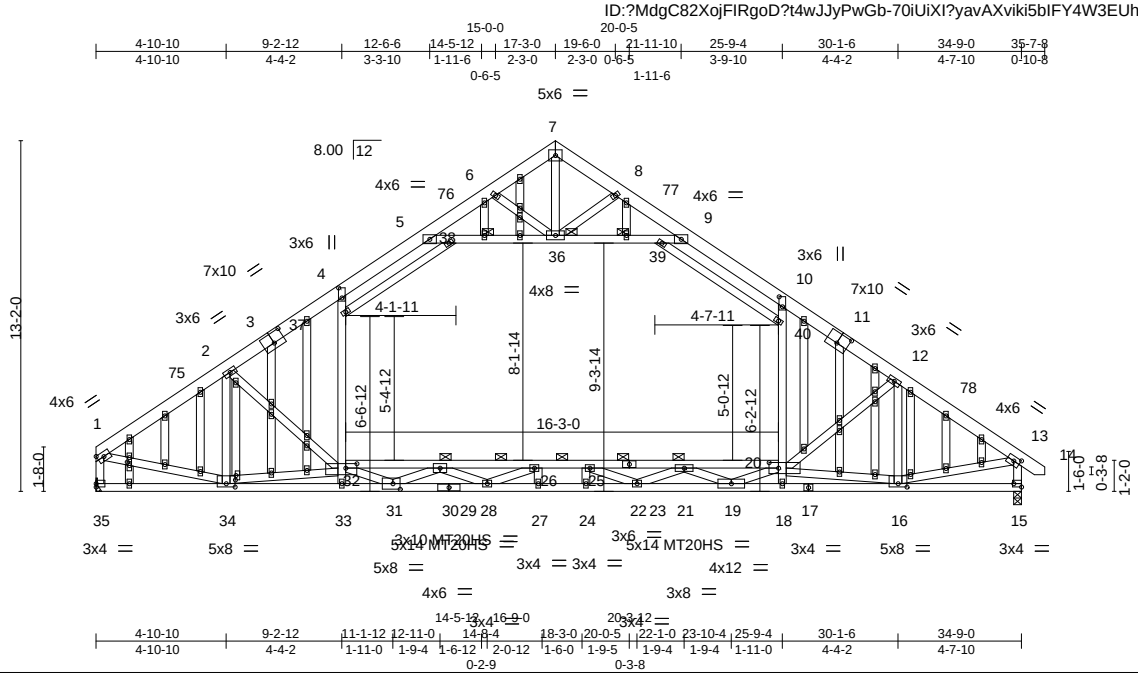

Plate Offsets (X,Y)-- [3:0-5-0,0-4-8], [4:0-4-8,0-1-8], [10:0-4-8,0-1-8], [11:0-5-0,0-4-8], [13:0-2-14,0-2-0], [15:Edge,0-1-8], [16:0-4-0,0-1-8], [20:0-4-4,0-2-8], [31:0-3-4,0-2-8], [32:0-5-0,0-2-0], [34:0-4-0,0-1-8], [51:0-2-0,0-0-4], [57:0-1-9,0-1-0]

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	0.95	Vert(LL)	-0.47	24-27	>878	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.89	24-27	>465	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.08	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.12	19	>999	240	Weight: 387 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP DSS *Except*
	1-3: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	30-35: 2x4 SP No.1, 17-30: 2x4 SP SS
WEBS	2x4 SP No.3 *Except*
	4-33,5-9,1-35,37-38,39-40: 2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	6-0-0 oc bracing: 33-34,31-33.
	3-2-0 oc bracing: 21-29
	6-0-0 oc bracing: 29-32, 20-21
WEBS	1 Row at midpt 5-36, 9-36
JOINTS	1 Brace at Jt(s): 36, 29, 21

REACTIONS. (size) 35=Mechanical, 15=0-3-8
Max Horz 35=-271(LC 8)
Max Grav 35=2121(LC 20), 15=2181(LC 21)

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

TOP CHORD	1-2=-2591/0, 2-4=-2934/0, 4-5=-2131/0, 5-6=0/618, 6-7=-14/426, 7-8=-14/437, 8-9=0/667, 9-10=-2149/0, 10-12=-2968/0, 12-13=-2691/0, 1-35=-2067/0, 13-15=-2130/0
BOT CHORD	34-35=-233/288, 33-34=-439/1274, 31-33=-492/1314, 28-31=0/3749, 27-28=0/4962, 24-27=0/4962, 22-24=0/4962, 19-22=0/3839, 18-19=-364/1549, 16-18=-319/1503, 29-32=-468/679, 26-29=-2373/0, 25-26=-3059/0, 21-25=-2485/0, 20-21=-649/495
WEBS	2-34=-869/0, 32-37=0/1442, 4-37=0/1426, 5-38=-2840/0, 36-38=-2849/0, 36-39=-2943/0, 9-39=-2920/0, 20-40=0/1424, 10-40=0/1422, 12-20=-257/194, 12-16=-806/0, 7-36=-660/0, 32-34=0/1886, 16-20=-112/1638, 29-31=-1876/0, 31-32=0/1910, 28-29=0/877, 26-28=-839/64, 19-20=0/1834, 19-21=-1800/0, 21-22=0/790, 22-25=-716/90, 6-36=0/648, 8-36=0/748, 1-34=0/2141, 13-16=0/2208

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-12 to 3-10-12, Interior(1) 3-10-12 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 35-8-3 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-38, 36-38, 36-39, 9-39; Wall dead load (5.0psf) on member(s).32-37, 4-37, 20-40, 10-40

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NOTES-

10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 26-29, 25-26, 21-25, 20-21
11) Refer to girder(s) for truss to truss connections.
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT02	HOWE	5	1	I43400235 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:41 2020 Page 1
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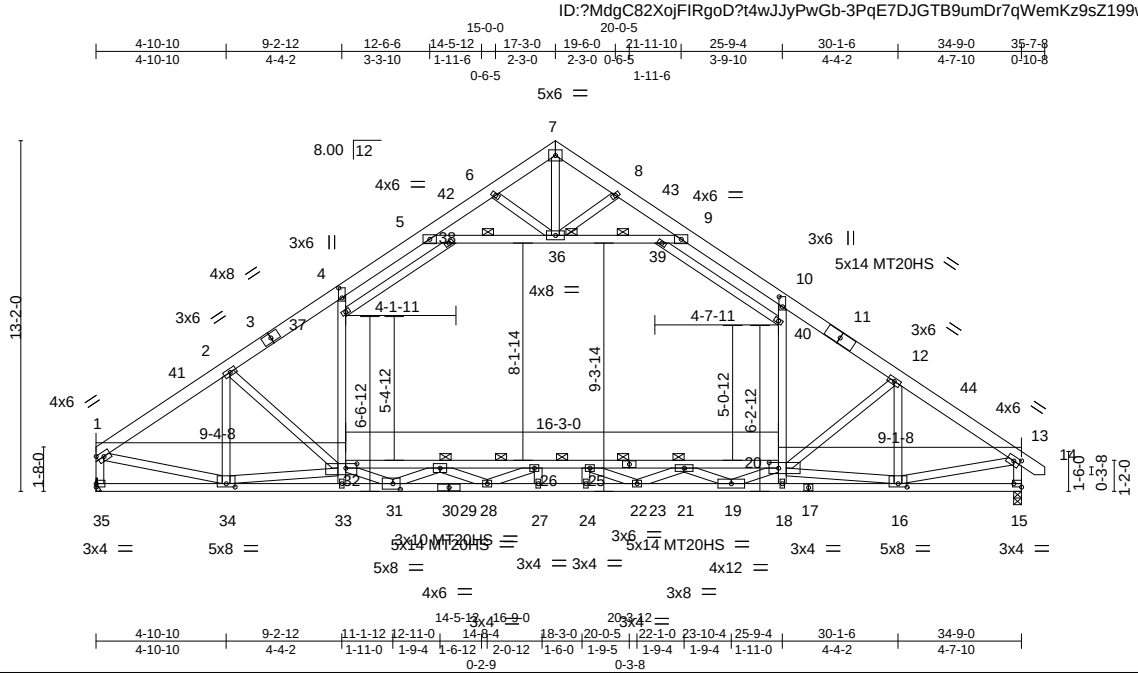

Plate Offsets (X,Y)-- [4:0-4-8,0-1-8], [10:0-4-8,0-1-8], [13:0-2-14,0-2-0], [15:Edge,0-1-8], [16:0-4-0,0-1-8], [20:0-4-4,0-2-8], [31:0-3-4,0-2-8], [32:0-5-0,0-2-0], [34:0-4-0,0-1-8]

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	0.95	Vert(LL)	-0.47	24-27	>878	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.98	Vert(CT)	-0.89	24-27	>465	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr YES	WB	0.92	Horz(CT)	0.08	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.12	19	>999	240	Weight: 320 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP DSS *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
30-35: 2x4 SP No.1, 17-30: 2x4 SP SS
WEBS 2x4 SP No.3 *Except*
4-33,5-9,1-35,37-38,39-40: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 33-34,31-33.
3-2-0 oc bracing: 21-29
6-0-0 oc bracing: 29-32, 20-21
WEBS 1 Row at midpt 5-36, 9-36
JOINTS 1 Brace at Jt(s): 36, 29, 21

REACTIONS. (size) 35=Mechanical, 15=0-3-8
Max Horz 35=-271(LC 8)
Max Grav 35=2121(LC 20), 15=2181(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2591/0, 2-4=-2934/0, 4-5=-2131/0, 5-6=0/618, 6-7=-14/426, 7-8=-14/437, 8-9=0/667, 9-10=-2149/0, 10-12=-2968/0, 12-13=-2691/0, 1-35=-2067/0, 13-15=-2130/0
BOT CHORD 34-35=-233/288, 33-34=-439/1274, 31-33=-492/1314, 28-31=0/3749, 27-28=0/4962, 24-27=0/4962, 22-24=0/4962, 19-22=0/3839, 18-19=-364/1549, 16-18=-319/1503, 29-32=-468/679, 26-29=-2373/0, 25-26=-3059/0, 21-25=-2485/0, 20-21=-649/495
WEBS 2-34=-869/0, 32-37=0/1442, 4-37=0/1426, 5-38=-2840/0, 36-38=-2849/0, 36-39=-2943/0, 9-39=-2920/0, 20-40=0/1424, 10-40=0/1422, 12-20=-257/194, 12-16=-806/0, 7-36=-660/0, 32-34=0/1886, 16-20=-112/1638, 29-31=-1876/0, 31-32=0/1910, 28-29=0/877, 26-28=-839/64, 19-20=0/1834, 19-21=-1800/0, 21-22=0/790, 22-25=-716/90, 6-36=0/648, 8-36=0/748, 1-34=0/2141, 13-16=0/2208

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-12 to 3-10-12, Interior(1) 3-10-12 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 35-8-3 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) All plates are MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 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) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-38, 36-38, 36-39, 9-39; Wall dead load (5.0psf) on member(s).32-37, 4-37, 20-40, 10-40
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 26-29, 25-26, 21-25, 20-21
9) Refer to girder(s) for truss to truss connections.
10) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT03	HOWE	1	1	I43400236
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:44 2020 Page 1
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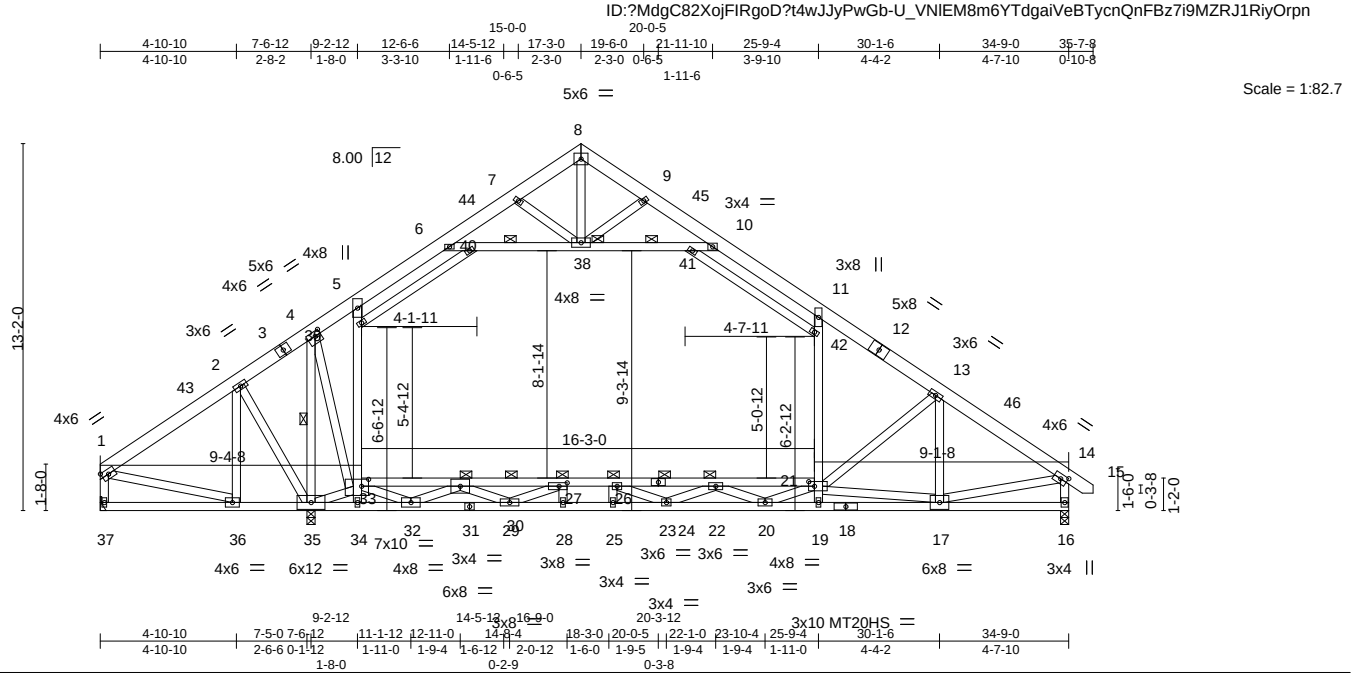

Plate Offsets (X,Y)-- [4:0-2-8,0-2-0], [14:0-2-14,0-2-0], [21:0-2-8,0-2-0], [27:0-3-8,0-1-8], [33:0-3-0,0-3-0]

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	0.76	Vert(LL)	-0.39	22-26	>822	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.74	22-26	>439	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.06	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.12	19-20	>999	240	Weight: 332 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
1-3,12-15: 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
18-31: 2x4 SP SS, 21-24: 2x4 SP No.1
WEBS 2x4 SP No.2 *Except*
2-36,13-21,13-17,8-38,14-16,25-26,27-28,17-21,7-38,9-38,1-36,14-17
,4-35,2-35: 2x4 SP No.3
33-35: 2x4 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-11-6 oc bracing: 34-35
2-10-0 oc bracing: 32-34.
2-2-0 oc bracing: 22-30
3-10-0 oc bracing: 21-22
10-0-0 oc bracing: 30-33
WEBS 1 Row at midpt 6-38, 10-38, 4-35
JOINTS 1 Brace at Jt(s): 38, 30, 22

REACTIONS. (size) 37=Mechanical, 16=0-3-8, 35=0-3-8
Max Horz 37=-271(LC 8)
Max Uplift 37=-23(LC 13)
Max Grav 37=1041(LC 21), 16=1900(LC 21), 35=1625(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1213/76, 2-4=-1195/120, 4-5=-2230/0, 5-6=-1421/32, 6-7=-227/313, 9-10=-226/304, 10-11=-1820/0, 11-13=-2190/0, 13-14=-2317/0, 1-37=-989/50, 14-16=-1856/0
BOT CHORD 36-37=-232/287, 35-36=0/910, 34-35=-2880/0, 32-34=-3076/0, 29-32=0/1351, 28-29=0/4113, 25-28=0/4113, 23-25=0/4113, 20-23=0/4262, 19-20=0/2588, 17-19=0/2456, 30-33=0/2346, 27-30=-1351/0, 26-27=-2827/0, 22-26=-3037/0, 21-22=-1973/0
WEBS 4-33=0/2164, 33-39=0/1117, 5-39=0/1248, 6-40=-1759/0, 38-40=-1951/0, 38-41=-1841/0, 10-41=-2028/0, 21-42=0/973, 11-42=0/874, 13-21=-427/118, 13-17=-307/0, 8-38=-344/0, 25-26=-281/0, 27-28=0/314, 33-35=0/3832, 17-21=-605/181, 30-32=-2446/0, 32-33=0/2485, 29-30=0/1441, 27-29=-1622/0, 20-21=0/1324, 20-22=-1240/0, 23-26=-60/458, 7-38=-1/436, 9-38=0/379, 1-36=-11/957, 14-17=0/1892, 4-35=-3067/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-12 to 3-10-12, Interior(1) 3-10-12 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 35-8-3 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) All plates are MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 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.

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NORTH CAROLINA PROFESSIONAL SEAL 28228 ENGINEER XUEGANG LIU

October 29,2020

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818 Soundside Road
Edenton, NC 27932

NOTES-

7) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-40, 38-40, 38-41, 10-41; Wall dead load (5.0psf) on member(s).33-39, 5-39, 21-42, 11-42
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 30-33, 27-30, 26-27, 22-26, 21-22
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37.
11) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT04	HOWE	3	1	I43400237
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:46 2020 Page 1
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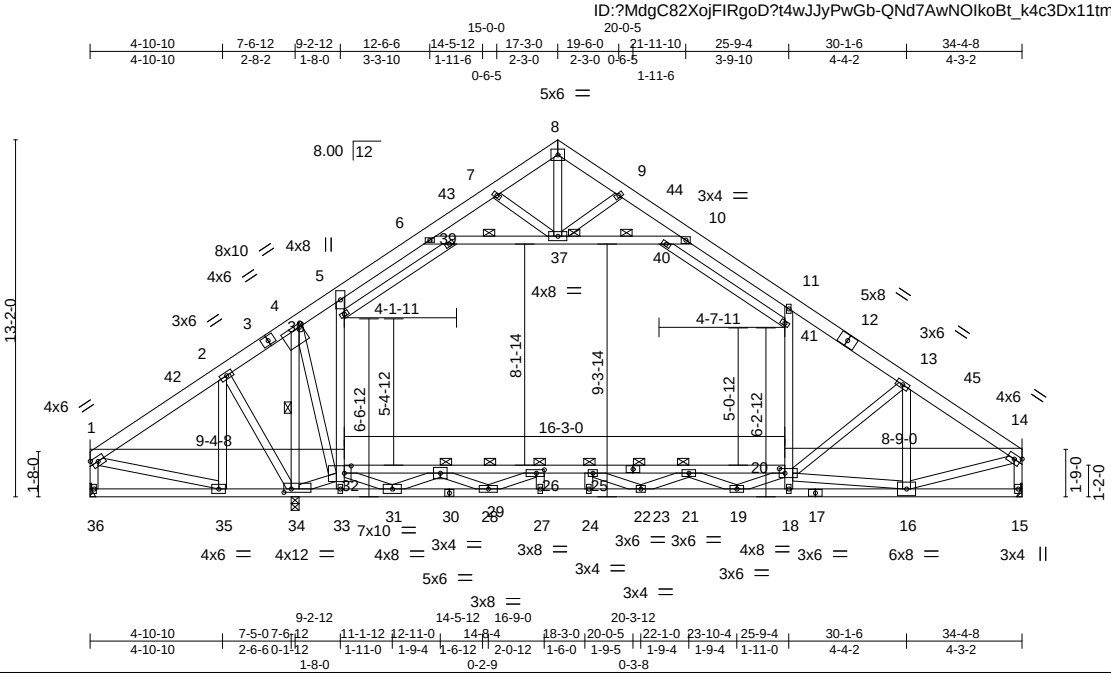

Plate Offsets (X,Y)-- [4:0-1-4,0-1-8], [20:0-2-8,0-2-0], [26:0-3-8,0-1-8], [32:0-3-0,0-3-4], [34:0-3-4,0-1-8]

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	0.73	Vert(LL)	-0.38	21-25	>838	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.71	21-25	>452	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.06	15	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.11	18-19	>999	240	Weight: 329 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
1-3,12-14: 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
17-30: 2x4 SP SS, 20-23: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
5-33,6-10,11-18,1-36,29-31,31-32,28-29,26-28,19-20,19-21,21-22
,22-25,38-39,40-41: 2x4 SP No.2
32-34: 2x4 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
3-0-7 oc bracing: 33-34
2-11-4 oc bracing: 31-33.
2-2-0 oc bracing: 21-29
4-1-0 oc bracing: 20-21
10-0-0 oc bracing: 29-32
WEBS 1 Row at midpt 6-37, 10-37, 4-34
JOINTS 1 Brace at Jt(s): 37, 29, 21

REACTIONS. (size) 36=Mechanical, 15=Mechanical, 34=0-3-8
Max Horz 36=264(LC 9)
Max Uplift 36=-20(LC 13)
Max Grav 36=1036(LC 21), 15=1849(LC 21), 34=1607(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1206/72, 2-4=-1187/116, 4-5=-2194/0, 5-6=-1404/32, 6-7=-237/300, 9-10=-239/294, 10-11=-1778/0, 11-13=-2141/0, 13-14=-2139/0, 1-36=-985/46, 14-15=-1810/0
BOT CHORD 35-36=-238/280, 34-35=0/899, 33-34=-2758/0, 31-33=-2949/0, 28-31=0/1412, 27-28=0/4087, 24-27=0/4087, 22-24=0/4087, 19-22=0/4118, 18-19=-11/2367, 16-18=0/2248, 29-32=0/2207, 26-29=-1400/0, 25-26=-2824/0, 21-25=-2981/0, 20-21=-1819/0
WEBS 4-32=0/2089, 32-38=0/1101, 5-38=0/1227, 6-39=-1712/0, 37-39=-1896/0, 37-40=-1792/0, 10-40=-1965/0, 20-41=0/945, 11-41=0/854, 13-20=-299/123, 13-16=-433/0, 8-37=-332/0, 24-25=-261/0, 26-27=0/294, 32-34=0/3674, 16-20=-555/181, 29-31=-2409/0, 31-32=0/2450, 28-29=0/1401, 26-28=-1565/0, 19-20=0/1358, 19-21=-1278/0, 22-25=-67/406, 7-37=-11/419, 9-37=0/370, 1-35=-8/951, 14-16=0/1822, 4-34=-2990/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-12 to 3-10-12, Interior(1) 3-10-12 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 34-5-12 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.

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NOTES-

6) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-39, 37-39, 37-40, 10-40; Wall dead load (5.0psf) on member(s).32-38, 5-38, 20-41, 11-41
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 26-29, 25-26, 21-25, 20-21
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) 36.
10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT05	HOWE	1	1	I43400238
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:49 2020 Page 1
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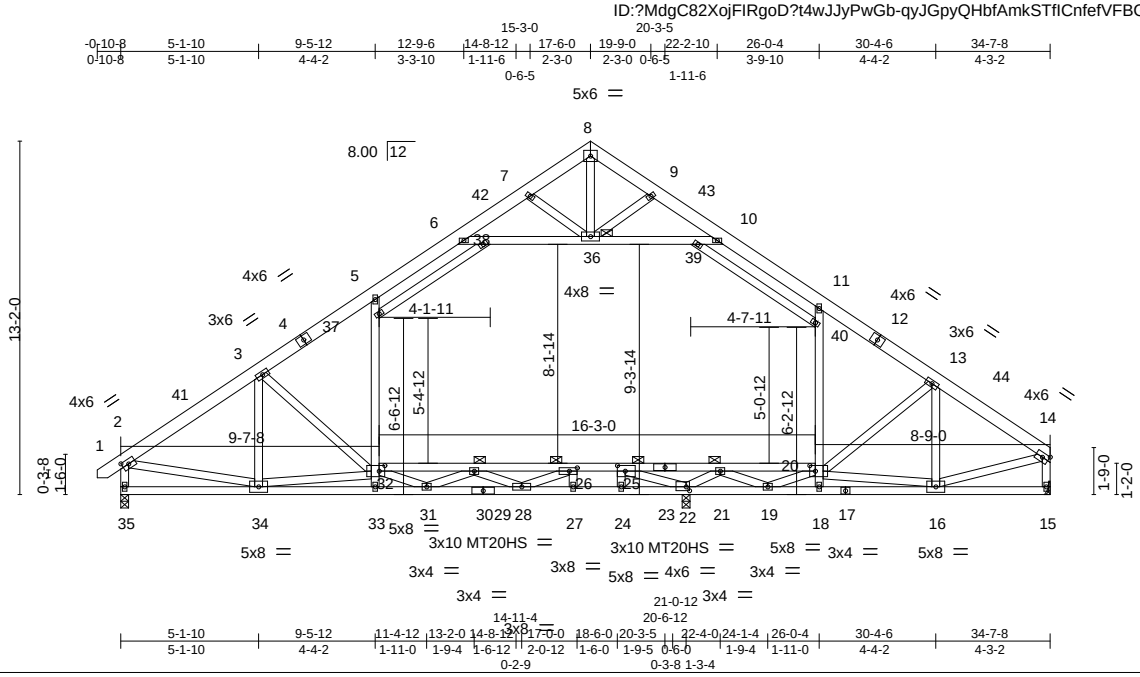

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [20:0-2-8,0-2-8], [22:0-1-8,0-1-12], [25:0-3-8,0-2-8], [26:0-3-8,0-1-8], [32:0-2-8,0-2-8]

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)	-0.27	29-32	>934	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.50	29-32	>507	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	22	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.12	33	>999	240	Weight: 319 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
23-32: 2x4 SP SS, 15-17: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-33,6-10,11-18,2-35,37-38,39-40: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-4-3 oc bracing: 19-22
6-0-0 oc bracing: 18-19,16-18.
4-3-0 oc bracing: 29-32
4-6-0 oc bracing: 21-29
10-0-0 oc bracing: 20-21
JOINTS 1 Brace at Jt(s): 36, 29, 21

REACTIONS. (size) 35=0-3-8, 15=Mechanical, 22=0-3-8
Max Horz 35=272(LC 9)
Max Grav 35=1495(LC 20), 15=1119(LC 1), 22=1771(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1810/0, 3-5=-1471/0, 5-6=-1361/42, 6-7=-367/105, 7-8=-263/95, 8-9=-254/97, 9-10=-332/134, 10-11=-1056/82, 11-13=-1402/0, 13-14=-1234/0, 2-35=-1451/0, 14-15=-1080/0
BOT CHORD 34-35=-246/293, 33-34=-45/3018, 31-33=-58/3181, 28-31=0/3406, 27-28=-11/940, 24-27=-11/940, 22-24=-11/940, 19-22=-1340/0, 18-19=-636/965, 16-18=-501/967, 29-32=-2229/0, 26-29=-1645/0, 25-26=-203/691, 21-25=0/3322, 20-21=-15/1968
WEBS 3-32=-553/116, 32-37=0/470, 5-37=0/364, 6-38=-1150/0, 36-38=-949/0, 36-39=-1147/30, 10-39=-964/29, 11-40=-153/357, 13-16=-477/46, 24-25=0/504, 26-27=-557/0, 32-34=-1435/49, 16-20=-258/1220, 29-31=-404/261, 31-32=-114/493, 28-29=-974/0, 26-28=0/1758, 19-20=-845/145, 19-21=-118/918, 21-22=-1281/0, 22-25=-3377/0, 9-36=-71/288, 2-34=0/1413, 14-16=0/997, 37-38=-12/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-3 to 2-9-13, Interior(1) 2-9-13 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 34-5-12 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 MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 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) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-38, 36-38, 36-39, 10-39; Wall dead load (5.0psf) on member(s).32-37, 5-37, 20-40, 11-40
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 26-29, 25-26, 21-25, 20-21

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NOTES-

9) Refer to girder(s) for truss to truss connections.
10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT06	HOWE	1	1	I43400239
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:51 2020 Page 1
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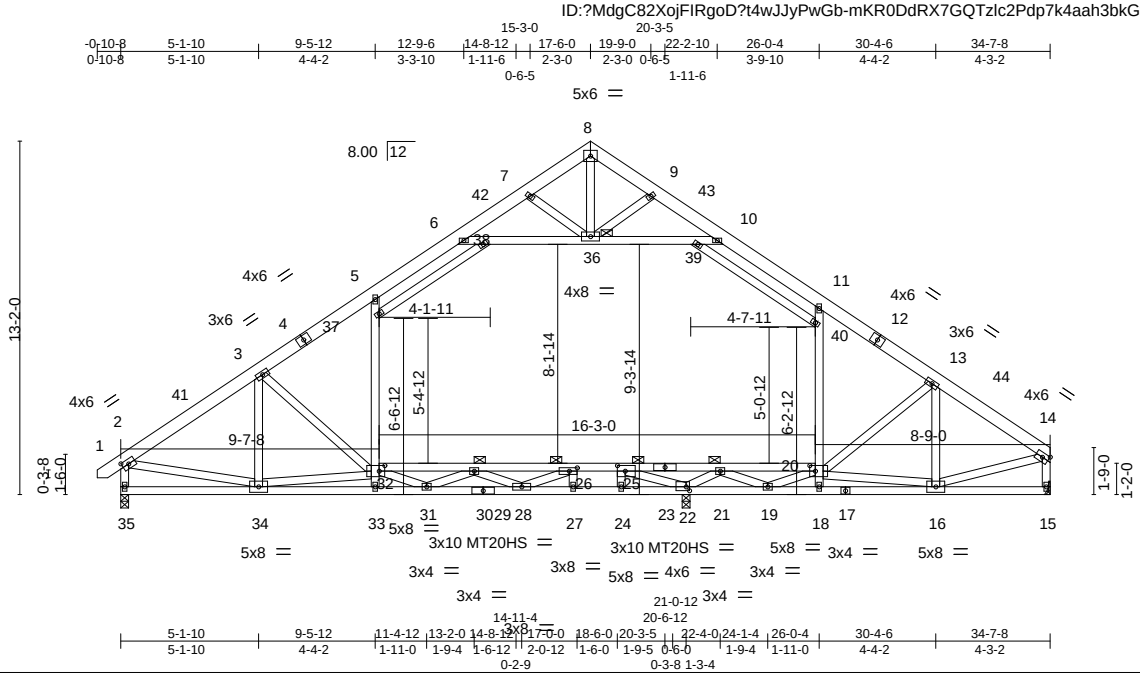

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [20:0-2-8,0-2-8], [22:0-1-8,0-1-12], [25:0-3-8,0-2-8], [26:0-3-8,0-1-8], [32:0-2-8,0-2-8]

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)	-0.27	29-32	>934	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.50	29-32	>507	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.05	22	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.12	33	>999	240	Weight: 319 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
23-32: 2x4 SP SS, 15-17: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-33,6-10,11-18,2-35,37-38,39-40: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-4-3 oc bracing: 19-22
6-0-0 oc bracing: 18-19,16-18.
4-3-0 oc bracing: 29-32
4-6-0 oc bracing: 21-29
10-0-0 oc bracing: 20-21
JOINTS 1 Brace at Jt(s): 36, 29, 21

REACTIONS. (size) 35=0-3-8, 15=Mechanical, 22=0-3-8
Max Horz 35=272(LC 9)
Max Grav 35=1495(LC 20), 15=1119(LC 1), 22=1771(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1810/0, 3-5=-1471/0, 5-6=-1361/42, 6-7=-367/105, 7-8=-263/95, 8-9=-254/97, 9-10=-332/134, 10-11=-1056/82, 11-13=-1402/0, 13-14=-1234/0, 2-35=-1451/0, 14-15=-1080/0
BOT CHORD 34-35=-246/293, 33-34=-45/3018, 31-33=-58/3181, 28-31=0/3406, 27-28=-11/940, 24-27=-11/940, 22-24=-11/940, 19-22=-1340/0, 18-19=-636/965, 16-18=-501/967, 29-32=-2229/0, 26-29=-1645/0, 25-26=-203/691, 21-25=0/3322, 20-21=-15/1968
WEBS 3-32=-553/116, 32-37=0/470, 5-37=0/364, 6-38=-1150/0, 36-38=-949/0, 36-39=-1147/30, 10-39=-964/29, 11-40=-153/358, 13-16=-477/46, 24-25=0/504, 26-27=-557/0, 32-34=-1435/49, 16-20=-258/1220, 29-31=-404/261, 31-32=-114/493, 28-29=-974/0, 26-28=0/1758, 19-20=-845/145, 19-21=-118/918, 21-22=-1281/0, 22-25=-3377/0, 9-36=-71/288, 2-34=0/1413, 14-16=0/997, 37-38=-12/252

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-3 to 2-9-13, Interior(1) 2-9-13 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 34-5-12 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 MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 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) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-38, 36-38, 36-39, 10-39; Wall dead load (5.0psf) on member(s).32-37, 5-37, 20-40, 11-40
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 26-29, 25-26, 21-25, 20-21

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NOTES-

9) Refer to girder(s) for truss to truss connections.
10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT07	HOWE	1	1	I43400240
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:53 2020 Page 1
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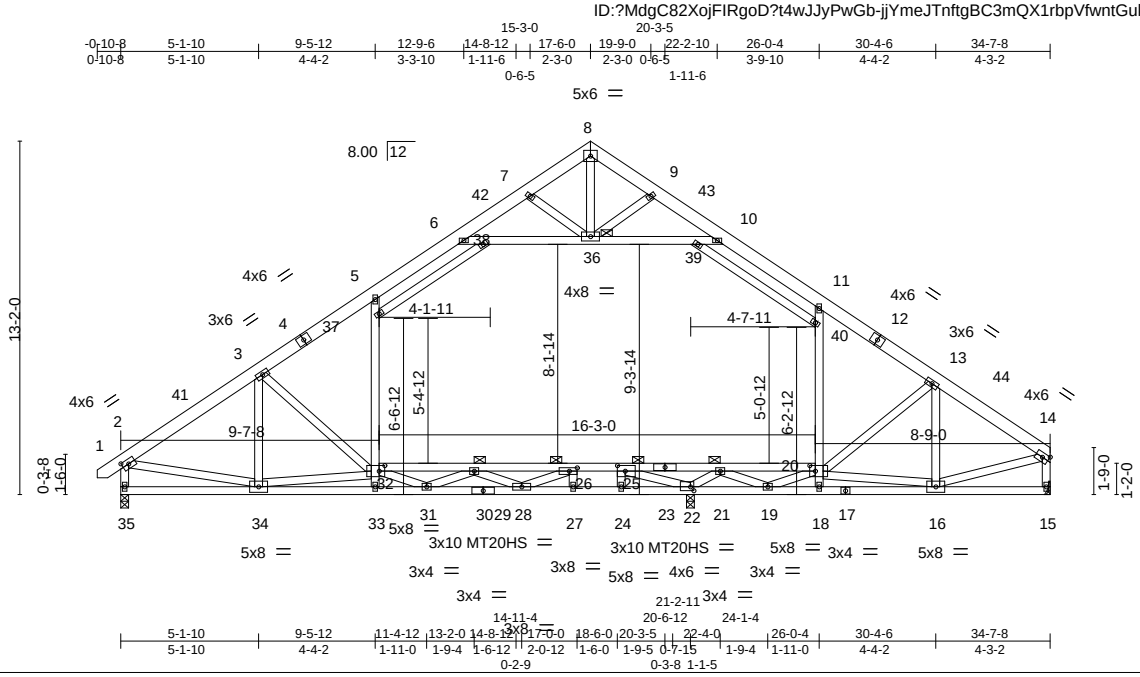

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [20:0-2-8,0-2-8], [22:0-1-8,0-1-12], [25:0-3-8,0-2-8], [26:0-3-8,0-1-8], [32:0-2-8,0-2-8]

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	0.87	Vert(LL)	-0.28	29-32	>916	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.51	29-32	>496	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.05	22	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.12	33	>999	240	Weight: 319 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
23-32: 2x4 SP SS, 15-17: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-33,6-10,11-18,2-35,37-38,39-40: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
4-3-0 oc bracing: 29-32
4-4-0 oc bracing: 21-29
10-0-0 oc bracing: 20-21
JOINTS 1 Brace at Jt(s): 36, 29, 21

REACTIONS. (size) 35=0-3-8, 15=Mechanical, 22=0-3-8
Max Horz 35=272(LC 9)
Max Grav 35=1507(LC 20), 15=1117(LC 1), 22=1761(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1827/0, 3-5=-1486/0, 5-6=-1376/40, 6-7=-365/106, 7-8=-261/96, 8-9=-252/98, 9-10=-329/136, 10-11=-1056/82, 11-13=-1414/0, 13-14=-1231/0, 2-35=-1463/0, 14-15=-1077/0
BOT CHORD 34-35=-247/293, 33-34=-40/3032, 31-33=-52/3198, 28-31=0/3478, 27-28=0/1073, 24-27=0/1073, 22-24=0/1073, 19-22=-1414/0, 18-19=-714/908, 16-18=-574/914, 29-32=-2259/0, 26-29=-1737/0, 25-26=-324/620, 21-25=0/3317, 20-21=0/2069
WEBS 3-32=-556/115, 32-37=0/486, 5-37=0/375, 6-38=-1173/0, 36-38=-962/0, 36-39=-1168/28, 10-39=-979/29, 11-40=-151/368, 13-16=-493/43, 24-25=0/483, 26-27=-549/0, 32-34=-1433/46, 16-20=-233/1294, 29-31=-435/242, 31-32=-96/523, 28-29=-943/0, 26-28=0/1726, 19-20=-857/146, 19-21=-126/918, 21-22=-1187/0, 22-25=-3476/0, 9-36=-69/296, 2-34=0/1428, 14-16=0/994, 37-38=-10/259

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-3 to 2-9-13, Interior(1) 2-9-13 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 34-5-12 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 MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 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) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-38, 36-38, 36-39, 10-39; Wall dead load (5.0psf) on member(s).32-37, 5-37, 20-40, 11-40
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 26-29, 25-26, 21-25, 20-21
9) Refer to girder(s) for truss to truss connections.
10) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT08	HOWE	1	1	I43400241
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:52:55 2020 Page 1
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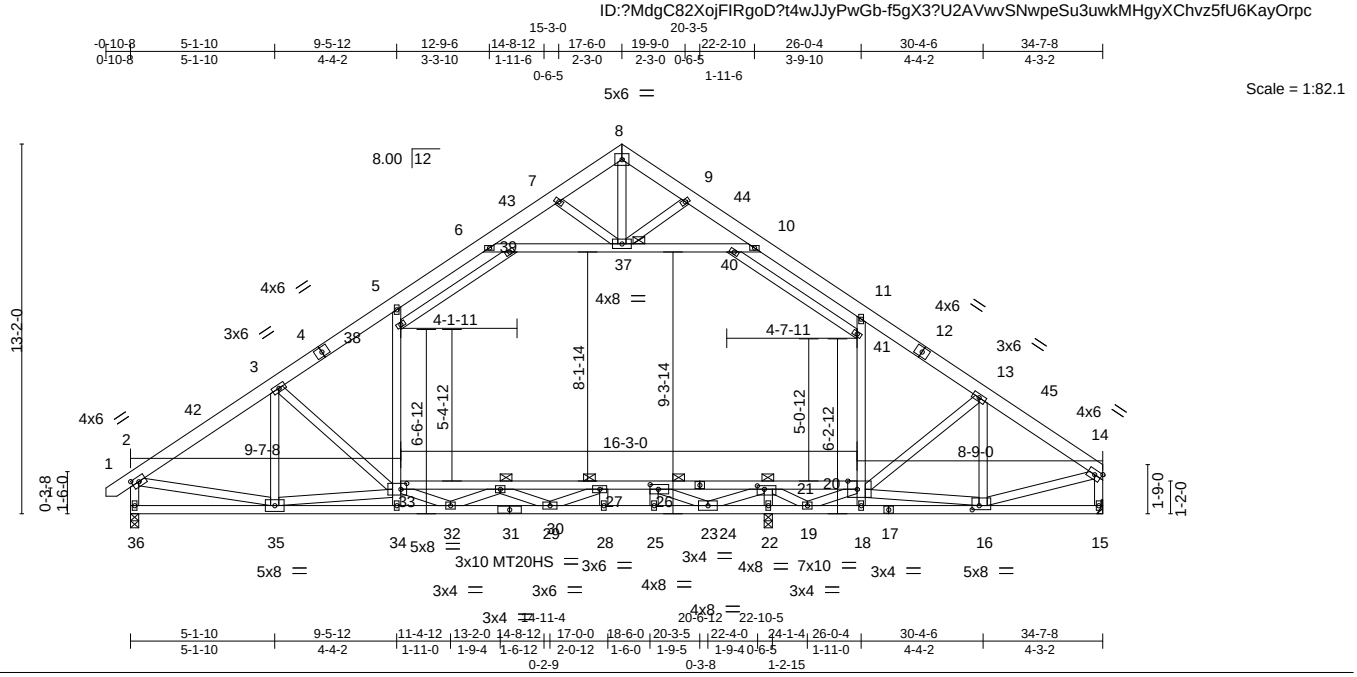

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [16:0-3-0,0-1-12], [20:0-4-0,Edge], [21:0-3-0,0-1-8], [26:0-3-8,0-2-0], [33:0-2-8,0-2-8]

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	0.49	Vert(LL)	-0.28	30-33	>955	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.53	30-33	>511	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.05	22	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.11	34	>999	240	Weight: 320 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
1-4,12-14: 2x6 SP No.2
BOT CHORD 2x4 SP SS *Except*
15-17: 2x4 SP No.2, 20-24: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
5-34,6-10,2-36,21-23,38-39,40-41: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-5-5 oc bracing. Except:
3-9-0 oc bracing: 20-30
4-1-0 oc bracing: 30-33
JOINTS 1 Brace at Jt(s): 37, 30

REACTIONS. (size) 36=0-3-8, 15=Mechanical, 22=0-3-8
Max Horz 36=272(LC 9)
Max Grav 36=1621(LC 20), 15=1104(LC 1), 22=1683(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1981/0, 3-5=-1666/0, 5-6=-1476/24, 6-7=-346/116, 9-10=-298/160, 10-11=-1109/68, 11-13=-1565/0, 13-14=-1212/0, 2-36=-1575/0, 14-15=-1062/0
BOT CHORD 35-36=-247/296, 34-35=-0/3036, 32-34=-8/3195, 29-32=0/3954, 28-29=0/2317, 25-28=0/2317, 23-25=0/2317, 22-23=-2091/0, 19-22=-2091/0, 18-19=-1470/307, 16-18=-1295/349, 30-33=-2337/0, 27-30=-2421/0, 26-27=-1443/0, 21-26=0/1271, 20-21=0/3033
WEBS 3-33=-559/107, 33-38=0/641, 5-38=0/527, 6-39=-1348/0, 37-39=-1137/0, 37-40=-1401/6, 10-40=-1193/18, 20-41=-218/311, 11-41=-129/457, 13-20=-58/337, 13-16=-666/10, 25-26=0/527, 27-28=-474/0, 33-35=-1287/24, 16-20=0/2076, 30-32=-698/81, 32-33=0/794, 29-30=-604/45, 27-29=0/1252, 19-20=-953/177, 19-21=-184/749, 21-23=0/2254, 23-26=-2550/0, 9-37=-44/374, 2-35=0/1555, 14-16=0/985, 38-39=-1/258, 40-41=-254/0, 21-22=-1479/0

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-3 to 2-9-13, Interior(1) 2-9-13 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 34-5-12 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 MT20 plates unless otherwise indicated.
4) All plates are 2x4 MT20 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) Ceiling dead load (5.0 psf) on member(s). 5-6, 10-11, 6-39, 37-39, 37-40, 10-40; Wall dead load (5.0psf) on member(s).33-38, 5-38, 20-41, 11-41
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 30-33, 27-30, 26-27, 21-26, 20-21
9) Refer to girder(s) for truss to truss connections.

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ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

NOTES-

10) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT09GR	ROOF TRUSS	1	3	I43400242 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:06 2020 Page 1
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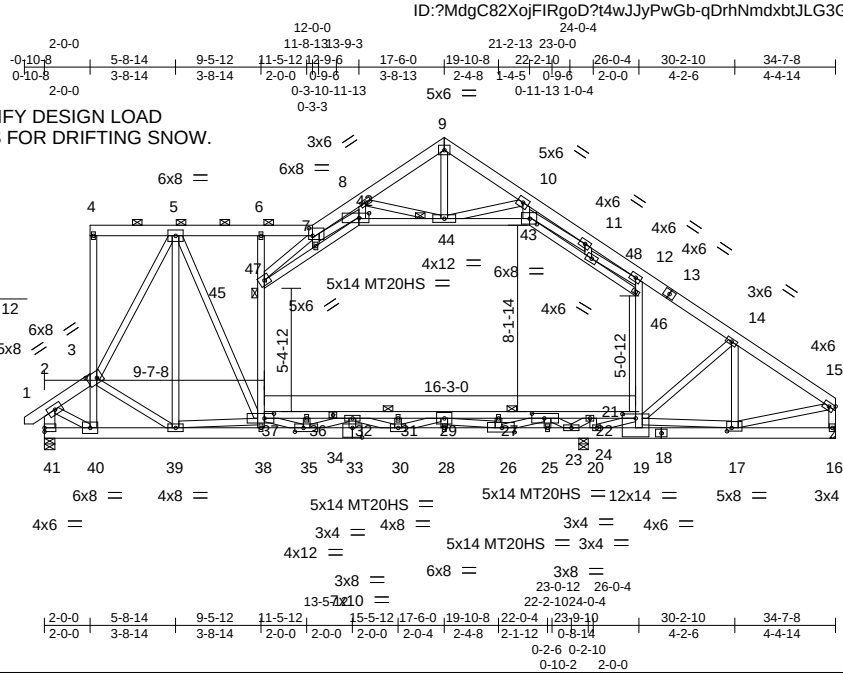

Plate Offsets (X,Y)-- [3:0-5-0,0-3-4], [7:0-2-0,0-4-0], [17:0-2-8,0-1-12], [19:0-7-0,0-2-4], [19:0-1-12,0-0-0], [24:0-6-8,0-2-8], [26:0-6-8,0-2-4], [33:0-5-0,0-5-0], [35:0-4-8,0-2-0], [37:0-5-0,0-2-8], [42:0-5-4,0-2-8], [43:0-3-12,0-2-14]

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)	-0.26	32-36	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.52	32-36	>532	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.93	Horz(CT)	0.05	23	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.18	32-36	>999	240	Weight: 1207 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 9-13: 2x6 SP DSS
BOT CHORD 2x6 SP DSS *Except* 34-37: 2x4 SP No.2, 21-34: 2x4 SP SS, 16-18: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 5-39,6-38,42-43,24-26,42-45,43-46,2-40,17-21,10-44,8-44: 2x4 SP No.2
2-41: 2x6 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 (6-0-0 max.): 3-40, 4-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 6-0-0 oc bracing: 21-37
JOINTS 1 Brace at Jt(s): 44, 45

REACTIONS. (size) 41=0-5-8, 16=Mechanical, 23=0-4-15
Max Horz 41=-360(LC 6)
Max Uplift 41=-500(LC 8), 16=-198(LC 8), 23=-209(LC 9)
Max Grav 41=9880(LC 16), 16=4600(LC 16), 23=6912(LC 16)

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED FOR LOADS REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.148"x 3" NAILS PER HANGER MANUFACTURER SPECIFICATIONS.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9211/475, 3-40=-2606/178, 3-4=-269/67, 5-6=-6668/405, 6-7=-7002/421, 7-8=-845/192, 8-9=-62/986, 9-10=-86/808, 10-11=-530/9132, 11-12=-70/1659, 12-14=-7827/467, 14-15=-5451/280, 2-41=-9267/470, 15-16=-4441/213
BOT CHORD 40-41=-197/1123, 39-40=-589/7965, 38-39=-582/8096, 35-38=-631/8737, 33-35=-567/15676, 30-33=-567/15676, 28-30=-347/12373, 26-28=-339/12214, 25-26=-3619/239, 23-25=-3619/239, 20-23=-7029/226, 19-20=-6378/301, 17-19=-5553/253, 36-37=-6789/343, 32-36=-6789/343, 31-32=-9263/206, 29-31=-9263/206, 27-29=-861/602, 24-27=-541/959, 22-24=-410/14269, 21-22=-510/13547
WEBS 3-5=-10305/589, 3-39=-3356/363, 5-39=-317/3759, 5-37=-107/3816, 37-38=-12/692, 37-45=-1149/173, 6-45=0/598, 42-44=-5720/257, 43-44=-13795/865, 19-21=-180/4190, 21-46=-185/2836, 12-46=-121/2529, 14-17=-3129/221, 9-44=-345/31, 35-36=-622/0, 32-33=-19/369, 30-31=-620/5, 20-22=-1236/186, 24-25=-1338/36, 26-27=-1069/9, 28-29=-434/21, 35-37=-23/4969, 32-35=-2731/18, 29-30=-162/3654, 20-21=-3125/292, 24-26=-240/10013, 26-29=-6366/156, 45-47=-386/4989, 42-47=-407/5271, 43-48=-7972/485, 46-48=-18/517, 2-40=-428/7878, 15-17=-186/4499, 37-39=-3046/305, 14-21=-130/2484, 17-21=-437/9081, 7-45=-5344/434, 7-47=-714/53, 22-23=-1316/1100, 23-24=-5295/109, 12-48=-8196/486, 10-43=-7548/479, 11-48=-92/1587, 11-43=-7452/480, 10-44=-389/6728, 8-42=-75/396, 7-42=-10282/576, 8-44=-1694/270

NOTES-
1) N/A

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

NOTES-

2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 3 rows staggered at 0-5-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-8-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 10-43 2x4 - 1 row at 0-7-0 oc.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Ceiling dead load (5.0 psf) on member(s). 6-7, 42-44, 43-44; Wall dead load (5.0psf) on member(s).37-45, 6-45, 21-46, 12-46
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 36-37, 32-36, 31-32, 29-31, 27-29, 24-27, 22-24, 21-22
13) Refer to girder(s) for truss to truss connections.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=198.
15) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 41 and 23. This connection is for uplift only and does not consider lateral forces.
16) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1301 lb down and 103 lb up at 11-8-13 on top chord, and 2082 lb down and 97 lb up at 2-1-12, and 3632 lb down and 169 lb up at 25-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
19) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-2=-60, 2-3=-60, 4-6=-260(F=-200), 6-7=-270(F=-200), 7-9=-60, 9-15=-60, 40-41=-20, 20-40=-235(F=-215), 16-20=-20, 22-37=-245(F=-215), 21-22=-30, 42-43=-10
      Drag: 6-37=-10, 12-21=-10
   Concentrated Loads (lb)
      Vert: 40=-1140(F) 7=-1209(F) 19=-1989(F)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT10GR	ROOF TRUSS	1	3	I43400243 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:10 2020 Page 1
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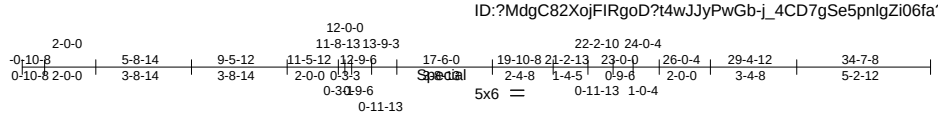

Scale = 1:90.0

ARCHITECT OR BLDG DESIGNER TO VERIFY DESIGN LOAD
AS SHOWN IN NOTES BELOW ACCOUNTS FOR DRIFTING SNOW.

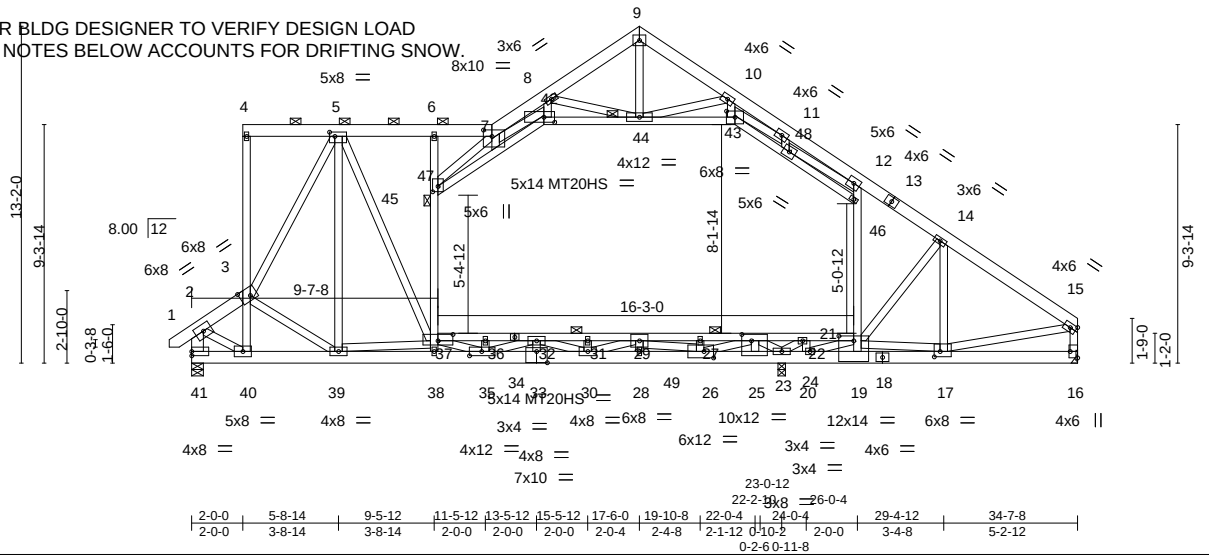

Plate Offsets (X,Y)-- [3:0-4-12,0-3-12], [5:0-2-8,0-2-0], [7:0-4-0,0-3-0], [16:Edge,0-3-8], [17:0-2-12,0-2-8], [19:0-1-12,0-0-0], [19:0-7-0,0-2-4], [24:0-1-12,0-0-0], [24:0-4-8,0-3-0], [25:0-1-12,0-0-0], [26:0-4-8,0-3-0], [33:0-5-0,0-5-4], [35:0-5-12,0-2-0], [37:0-7-0,0-3-0], [42:0-5-0,0-2-6], [43:0-4-0,0-2-14], [45:0-2-9,0-2-8], [47:0-1-12,0-1-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.27	32	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.54	32-36	>509	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.05	23	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.19	32-36	>999	240	Weight: 1209 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
9-13: 2x6 SP DSS
BOT CHORD 2x6 SP DSS *Except*
34-37: 2x4 SP No.2, 21-34: 2x4 SP SS, 16-18: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
3-5,5-39,6-38,42-43,12-19,42-45,43-46,2-40,17-21,10-44,8-44: 2x4 SP No.2
2-41: 2x6 SP No.2, 24-26: 2x4 SP No.1

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.): 3-40, 4-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
6-0-0 oc bracing: 21-37
JOINTS 1 Brace at Jt(s): 44, 45

REACTIONS. (size) 41=0-5-8, 16=Mechanical, 23=0-3-8
Max Horz 41=-360(LC 6)
Max Uplift 41=-564(LC 8), 16=-250(LC 8), 23=-247(LC 9)
Max Grav 41=10687(LC 16), 16=5233(LC 16), 23=7486(LC 16)

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED FOR LOADS REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.148"x 3" NAILS PER HANGER MANUFACTURER SPECIFICATIONS.

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

TOP CHORD 2-3=-9968/536, 3-40=-2982/211, 3-4=-274/68, 5-6=-7614/481, 6-7=-7910/494, 7-8=-2829/358, 8-9=-696/167, 9-10=-851/155, 10-11=-411/7605, 11-12=-28/1578, 12-14=-8976/567, 14-15=-6563/368, 2-41=-10021/530, 15-16=-5085/271
BOT CHORD 40-41=-203/1201, 39-40=-640/8601, 38-39=-598/8360, 35-38=-639/8912, 33-35=-661/16887, 30-33=-661/16887, 28-30=-506/14340, 26-28=-512/14344, 25-26=-4075/229, 23-25=-4075/229, 20-23=-7848/280, 19-20=-7140/341, 17-19=-6223/282, 16-17=-24/258, 36-37=-6577/321, 32-36=-6577/321, 31-32=-10058/274, 29-31=-10058/274, 27-29=-919/455, 24-27=-571/837, 22-24=-539/16010, 21-22=-645/15322
WEBS 3-5=-11347/672, 3-39=-3515/376, 5-39=-321/3822, 5-37=-194/4835, 37-38=-15/709, 37-45=-1735/223, 6-45=0/390, 42-44=-4869/202, 43-44=-13633/858, 19-21=-203/4284, 21-46=-193/2881, 12-46=-132/2632, 14-17=-3891/278, 35-36=-635/0, 32-33=-15/319, 30-31=-659/8, 20-22=-1301/121, 24-25=-1741/54, 26-27=-1146/14, 35-37=-77/5589, 32-35=-3188/64, 30-32=-19/780, 29-30=-147/3507, 20-21=-3191/301, 24-26=-359/11725, 26-29=-7412/242, 45-47=-458/5925, 42-47=-483/6255, 43-48=-9025/551, 46-48=-8/375, 2-40=-479/8521, 15-17=-249/5328, 37-39=-2811/280, 14-21=-168/2991, 17-21=-539/10669, 7-45=-6570/528, 7-47=-832/63, 22-23=-1277/1127, 23-24=-5678/147, 12-48=-9148/545, 10-43=-7154/454, 11-48=-71/1232, 11-43=-6131/400, 10-44=-394/6754, 8-42=-124/987, 7-42=-10224/575, 8-44=-2348/323

NOTES-
1) N/A

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

NOTES-

2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x6 - 3 rows staggered at 0-5-0 oc, 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-8-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 10-43 2x4 - 1 row at 0-7-0 oc.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Ceiling dead load (5.0 psf) on member(s). 6-7, 42-44, 43-44; Wall dead load (5.0psf) on member(s).37-45, 6-45, 21-46, 12-46
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 36-37, 32-36, 31-32, 29-31, 27-29, 24-27, 22-24, 21-22
13) Refer to girder(s) for truss to truss connections.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=250.
15) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 41 and 23. This connection is for uplift only and does not consider lateral forces.
16) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
17) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
18) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1301 lb down and 103 lb up at 11-8-13, and 1263 lb down and 100 lb up at 17-6-0 on top chord, and 751 lb down and 59 lb up at 17-7-12, and 2082 lb down and 97 lb up at 2-1-12, and 3632 lb down and 169 lb up at 25-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
19) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-3=-60, 4-6=-260(F=-200), 6-7=-270(F=-200), 7-9=-60, 9-15=-60, 40-41=-20, 20-40=-235(F=-215), 16-20=-20, 22-37=-245(F=-215), 21-22=-30, 42-43=-10
   Drag: 6-37=-10, 12-21=-10
   Concentrated Loads (lb)
   Vert: 40=-1140(F) 7=-1209(F) 9=-1174(F) 19=-1989(F) 28=-698(F)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	AT11G	GABLE	1	1	I43400244
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:15 2020 Page 1
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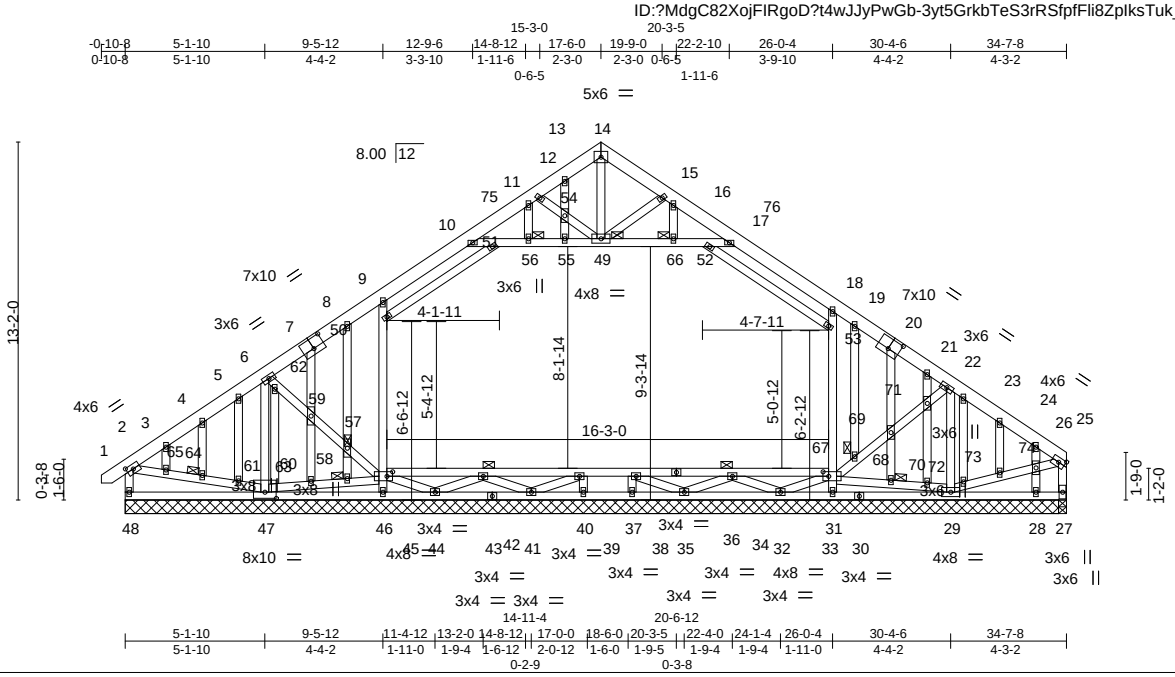

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [7:0-5-0,0-4-8], [20:0-5-0,0-4-8], [33:0-2-8,0-2-0], [45:0-2-8,0-2-0], [47:0-5-0,0-2-12], [61:0-1-12,0-0-2]

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	0.36	Vert(LL)	-0.02	42-45	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.03	42-45	>766	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.88	Horz(CT)	0.03	27	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.00	53	>999	240	Weight: 387 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
9-46,10-17,18-31,2-48,50-51,52-53: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 49, 42, 34, 56, 57, 58, 64, 66, 67, 68

REACTIONS. All bearings 34-4-0.
(lb) - Max Horz 48=272(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 48, 47, 46, 31, 29, 27, 32, 28
Max Grav All reactions 250 lb or less at joint(s) 44, 41, 32, 35 except 48=998(LC 1), 47=949(LC 1), 46=365(LC 20), 31=439(LC 21), 29=734(LC 1), 27=751(LC 1), 27=751(LC 1), 37=362(LC 18), 40=363(LC 18), 28=293(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1097/65, 3-4=-1083/74, 4-5=-1029/85, 5-6=-942/89, 6-7=-1726/146, 7-8=-1674/160, 8-9=-1689/171, 9-10=-1722/183, 10-11=-1582/154, 11-12=-1532/164, 12-13=-1463/140, 13-14=-1410/154, 14-15=-1456/155, 15-16=-1529/161, 16-17=-1599/151, 17-18=-1746/168, 18-19=-1690/142, 19-20=-1642/133, 20-21=-1695/120, 21-22=-1685/109, 22-23=-922/61, 23-24=-977/54, 24-25=-1067/44, 25-26=-913/23, 2-48=-950/67, 26-27=-714/10
BOT CHORD 47-48=-240/314, 46-47=-38/624, 44-46=-54/628, 41-44=0/1089, 40-41=-9/543, 37-40=-9/543, 35-37=-9/543, 32-35=0/1068, 31-32=0/501, 29-31=-9/506, 42-45=0/677, 39-42=0/695, 38-39=0/884, 34-38=0/697, 33-34=0/717
WEBS 6-47=-1058/65, 6-62=0/705, 59-62=-11/782, 57-59=-7/727, 45-57=-3/669, 45-46=-302/90, 45-50=-443/140, 9-50=-349/155, 31-33=-371/80, 33-53=-421/155, 18-53=-335/167, 33-67=-14/680, 67-69=-17/767, 69-71=-20/786, 22-71=-18/814, 22-29=-1019/67, 37-38=-333/0, 39-40=-334/0, 60-61=-30/277, 58-60=-30/273, 45-58=-32/274, 33-68=0/299, 68-70=0/302, 29-70=0/297, 42-44=-512/0, 41-42=-522/0, 39-41=-18/265, 32-33=-33/286, 32-34=-524/0, 34-35=-510/0, 35-38=-17/263, 2-65=-16/774, 64-65=-16/761, 63-64=-15/765, 47-63=-16/786, 29-72=0/786, 72-73=0/801, 73-74=0/783, 26-74=0/796, 25-74=-331/59, 28-74=-288/73

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-3 to 2-10-0, Interior(1) 2-10-0 to 17-6-0, Exterior(2) 17-6-0 to 21-0-0, Interior(1) 21-0-0 to 34-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.

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NOTES-

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) Ceiling dead load (5.0 psf) on member(s). 9-10, 17-18, 10-51, 51-56, 55-56, 49-55, 49-66, 52-66, 17-52; Wall dead load (5.0psf) on member(s).45-50, 9-50, 33-53, 18-53
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 42-45, 39-42, 38-39, 34-38, 33-34
10) N/A

11) N/A
12) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1242 lb down and 100 lb up at 17-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
14) Attic room checked for L/360 deflection.
15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-9=-60, 9-10=-70, 10-14=-60, 14-17=-60, 17-18=-70, 18-26=-60, 27-48=-20, 33-45=-30, 10-17=-10
   Drag: 9-45=-10, 18-33=-10
   Concentrated Loads (lb)
   Vert: 14=-1174(F)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B01GR	MONO HIP	1	2	I43400245
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:16 2020 Page 1

ID:?MdgC82XojFIRgoD?t4wJJyPwGb-Y8RTTBlDExawTb1rNNm_FL6xT8G5dJm3wQ4jZsyOrpH

-0-10-8 4-5-4 10-1-2 15-9-0 20-2-0 24-7-0

0-10-8 4-5-4 5-7-14 5-7-14 4-5-0 4-5-0

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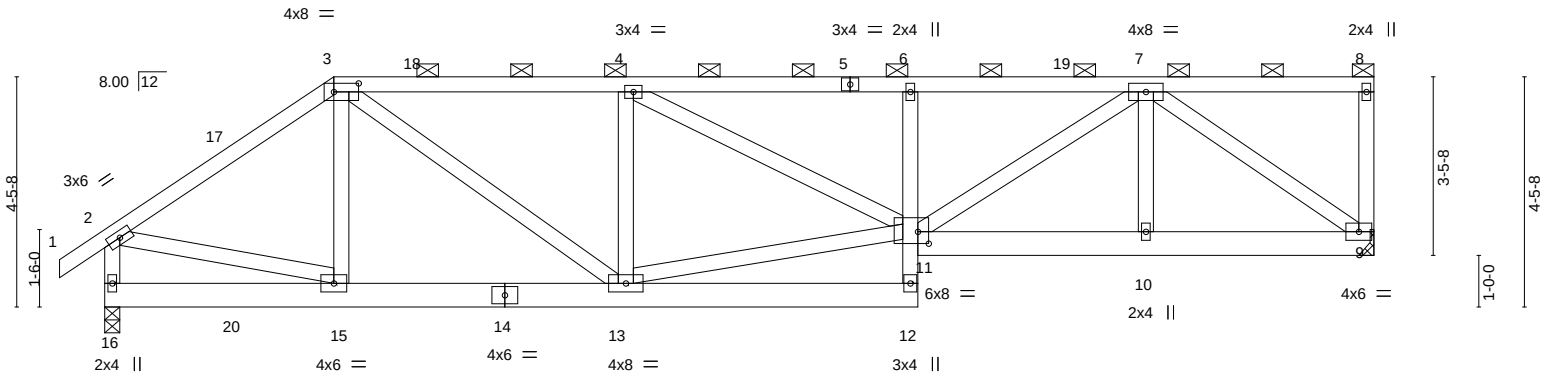

4-5-4 10-1-2 15-9-0 20-2-0 24-7-0

4-5-4 5-7-14 5-7-14 4-5-0 4-5-0

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	0.36	Vert(CT)	-0.14	11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	11	>999	240	Weight: 340 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
6-12: 2x4 SP No.2
WEBS 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 (6-0-0 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 16=0-3-8
Max Horz 16=118(LC 5)
Max Uplift 9=-184(LC 5), 16=-111(LC 5)
Max Grav 9=2098(LC 1), 16=2090(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2380/172, 3-4=-3103/257, 4-6=-3809/327, 6-7=-3837/327, 2-16=-1968/127
BOT CHORD 13-15=-198/1896, 12-13=-36/446, 6-11=-618/119, 10-11=-237/2493, 9-10=-237/2493
WEBS 3-13=-167/1530, 4-13=-1181/195, 11-13=-270/2735, 4-11=-80/777, 7-11=-155/1622, 7-10=0/324, 7-9=-3026/262, 2-15=-133/1809

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=115mph (3-second gust) Vasd=91mph; 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=184.
10) 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.
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) 167 lb down and 13 lb up at 2-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

NORTH CAROLINA PROFESSIONAL SEAL 28228 ENGINEER XUEGANG LIU

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LOAD CASE(S) Standard

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LOAD CASE(S) Standard

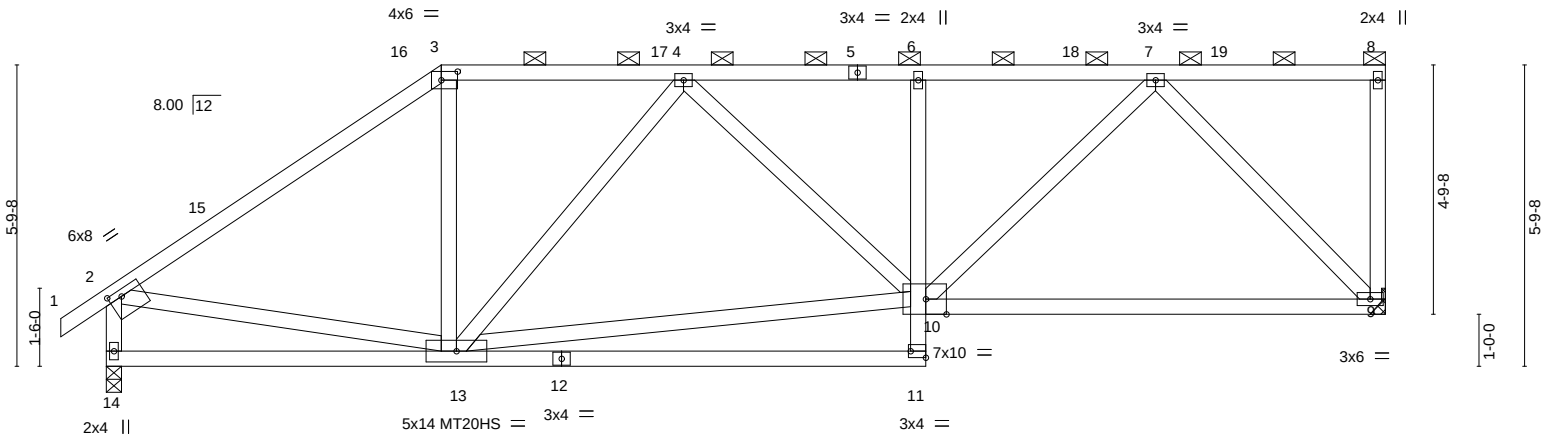
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-17=-60, 3-17=-129(F=-69), 3-8=-129(F=-69), 16-20=-20, 12-20=-44(F=-24), 9-11=-44(F=-24)
   Concentrated Loads (lb)
   Vert: 20=-155(F)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B02	MONO HIP	1	1	I43400246
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:18 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-UXZDusmTmZqeivAEUnoSKmBFayqp561MNkZqekyOrpF

-0-10-8	6-5-4	11-1-2	15-9-0	20-2-0	24-7-0
0-10-8	6-5-4	4-7-14	4-7-14	4-5-0	4-5-0

Scale = 1:44.3



6-5-4	15-9-0	24-7-0
6-5-4	9-3-12	8-10-0

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [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	0.67	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)	0.03	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 4-10-14 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-11 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 14=0-3-8
Max Horz 14=160(LC 9)
Max Uplift 9=-91(LC 9)
Max Grav 9=970(LC 1), 14=1034(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1154/80, 3-4=-880/94, 4-6=-1229/104, 6-7=-1248/101, 2-14=-980/104
BOT CHORD 13-14=-264/357, 6-10=-264/82, 9-10=-126/754
WEBS 3-13=0/347, 4-13=-496/135, 10-13=-150/1082, 7-10=-20/693, 7-9=-1064/153, 2-13=-39/708

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 6-5-4, 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) 9.
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-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B03	HIP	1	1	I43400247
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:19 2020 Page 1
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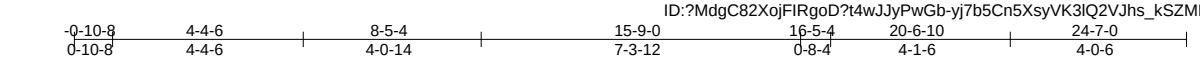

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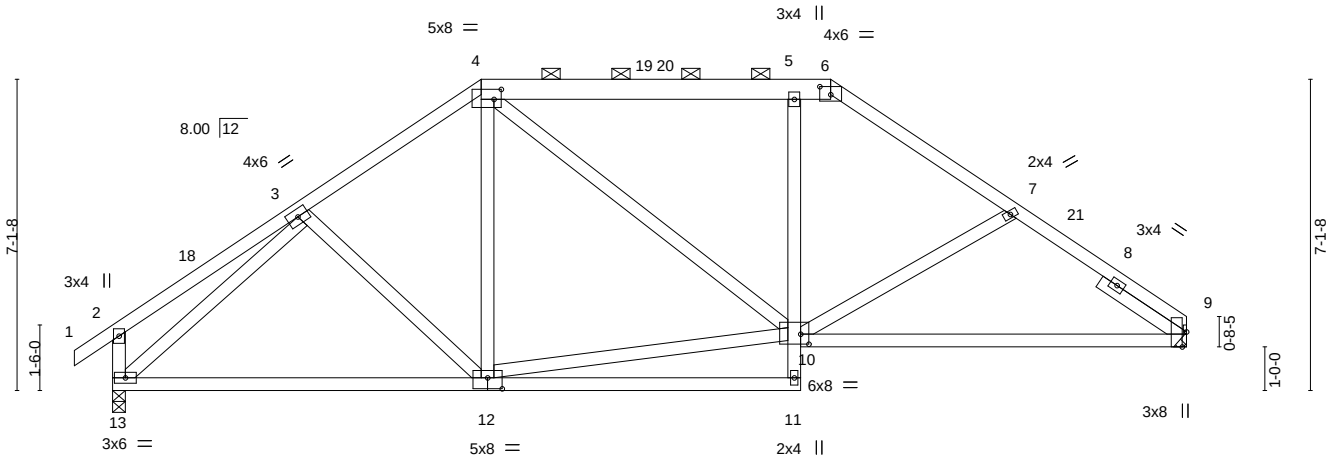

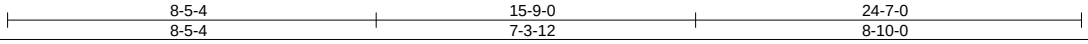

Plate Offsets (X,Y)-- [4:0-2-0,0-2-12], [6:0-3-0,0-2-3], [9:0-4-2,Edge], [10:0-2-4,0-2-12], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC	0.53	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	>998	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)	0.03	11	>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 2-3-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-13 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=-140(LC 10)
Max Uplift 9=-26(LC 13), 13=-41(LC 12)
Max Grav 9=976(LC 1), 13=1040(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1045/112, 4-5=-946/125, 5-6=-902/120, 6-7=-1153/115, 7-9=-1268/115, 2-13=-258/87
BOT CHORD 12-13=-85/821, 5-10=0/346, 9-10=-39/1055
WEBS 10-12=0/829, 3-13=-1007/45

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 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) 9.
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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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B04	HIP	1	1	I43400248
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:20 2020 Page 1
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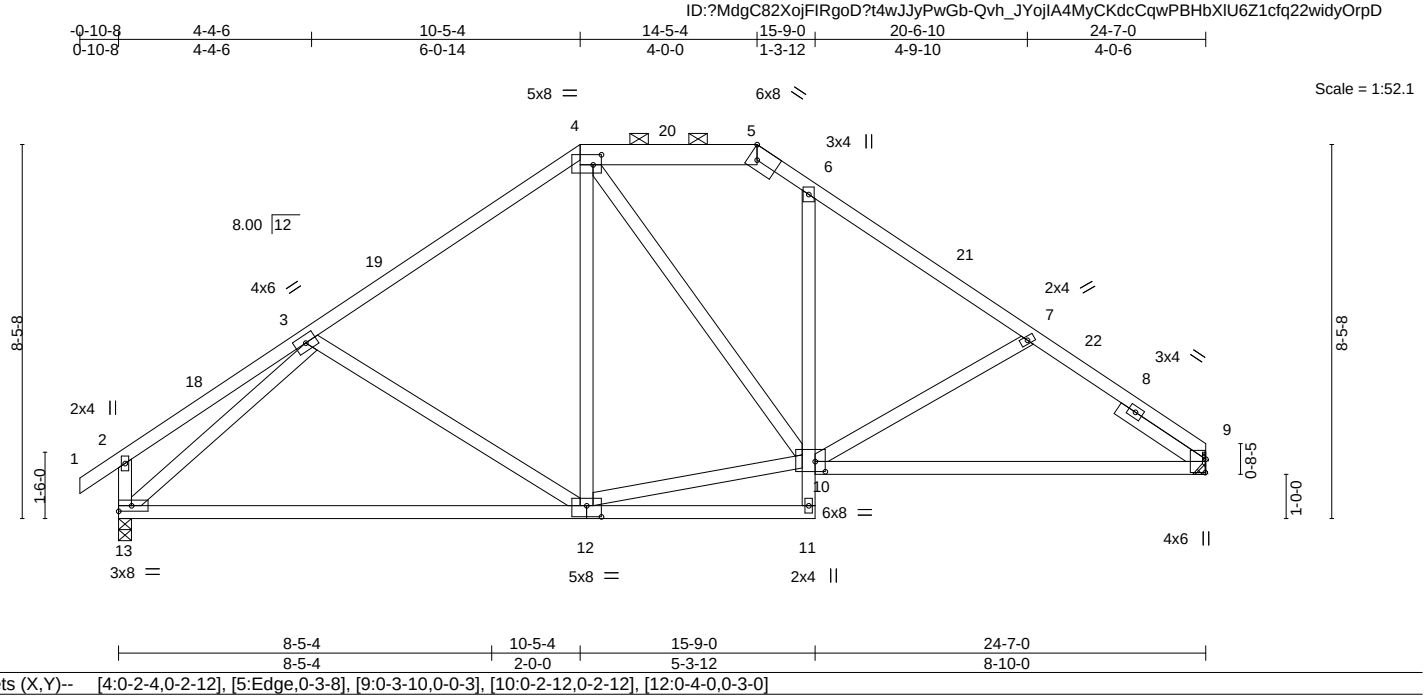

Plate Offsets (X,Y)-- [4:0-2-4,0-2-12], [5:Edge,0-3-8], [9:0-3-10,0-0-3], [10:0-2-12,0-2-12], [12:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.30	12-13	>963	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.62	12-13	>472	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	11	>999	240	Weight: 158 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 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 2-2-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 13=0-3-8
Max Horz 13=-166(LC 10)
Max Uplift 9=-25(LC 13), 13=-40(LC 12)
Max Grav 9=976(LC 1), 13=1040(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1002/111, 4-5=-847/137, 5-6=-844/138, 6-7=-1150/109, 7-9=-1292/113
BOT CHORD 12-13=-121/836, 6-10=0/304, 9-10=-37/1095
WEBS 4-12=0/263, 10-12=0/719, 4-10=-62/252, 7-10=-280/123, 3-13=-1026/99

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 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) 9.
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-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B05	FINK	2	1	I43400249
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:21 2020 Page 1
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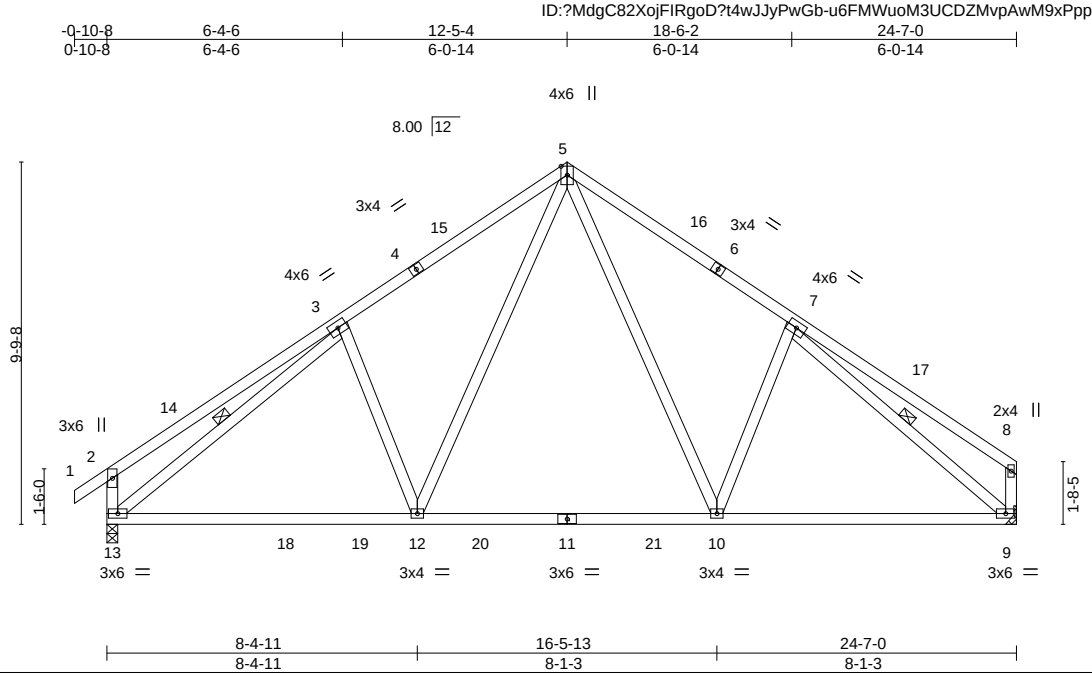

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.19	10-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.25	10-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.02	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 5-3-5 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=209(LC 9)
Max Uplift 9=-19(LC 13), 13=-34(LC 12)
Max Grav 9=970(LC 1), 13=1053(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-304/119, 3-5=-1117/139, 5-7=-1073/141, 2-13=-348/122
BOT CHORD 12-13=-69/1010, 10-12=0/708, 9-10=-16/855
WEBS 5-10=-86/460, 5-12=-87/553, 3-13=-1022/0, 7-9=-1060/6

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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) 9.
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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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B05T	SPECIAL	1	1	I43400250
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:22 2020 Page 1
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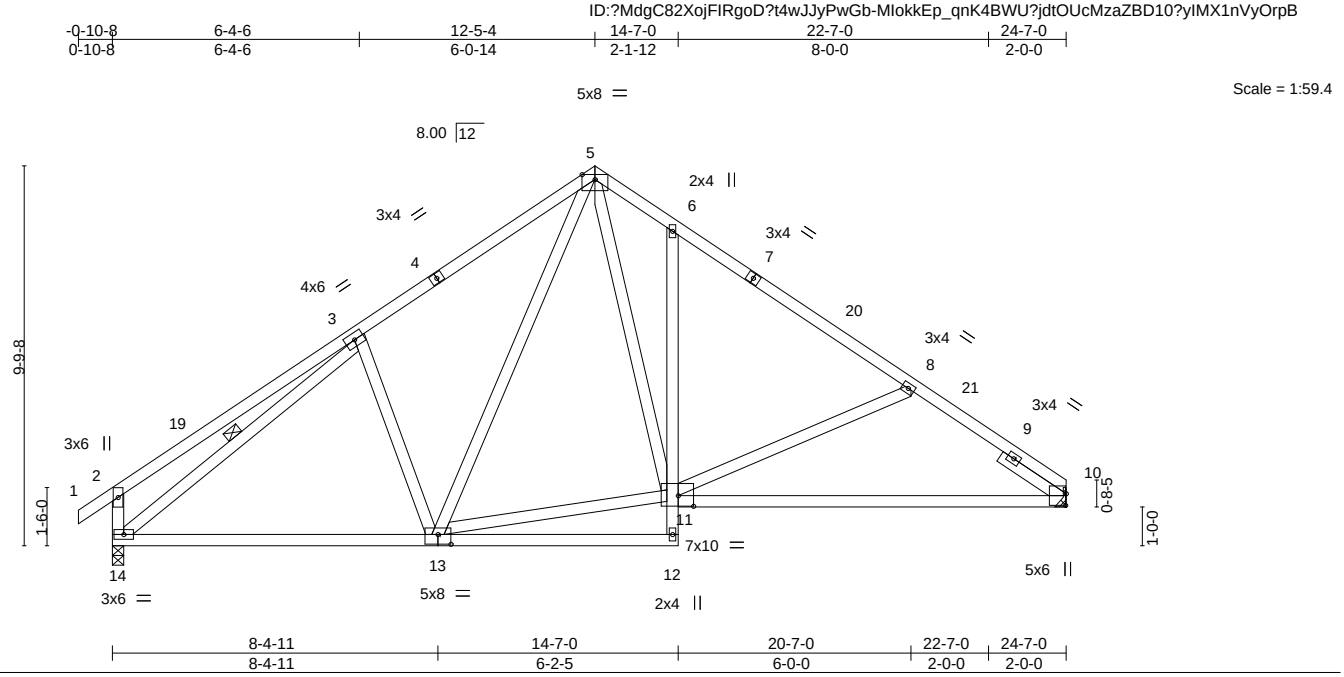

Plate Offsets (X,Y)-- [10:0-3-10,0-0-3], [11:0-4-12,0-3-4], [13:0-4-0,0-3-0]

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)	0.02	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 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=-193(LC 10)
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=-342/130, 2-3=-295/130, 3-5=-1062/144, 5-6=-1039/165, 6-8=-1114/93, 8-10=-1289/100
BOT CHORD 13-14=-27/881, 6-11=-285/134, 10-11=-24/1098
WEBS 3-14=-952/0, 5-13=-78/319, 11-13=0/683, 5-11=-74/648, 8-11=-306/125

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B06	FINK	1	1	I43400251
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:23 2020 Page 1
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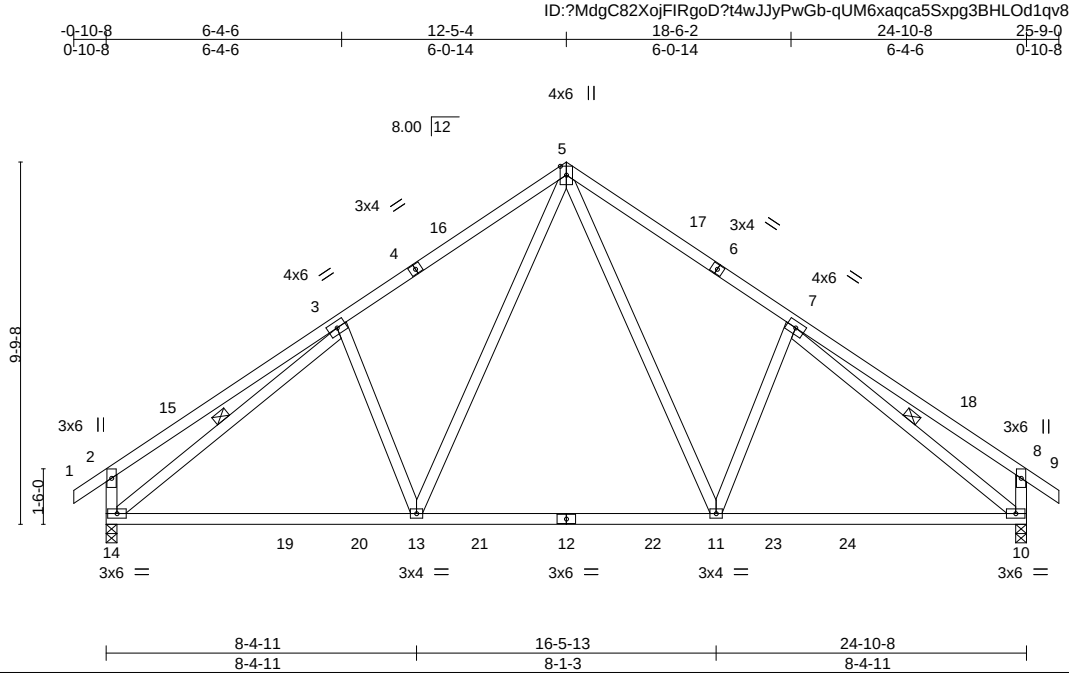

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.15	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.23	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.02	11-13	>999	240	Weight: 158 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 5-2-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 7-10

REACTIONS. (size) 10=0-3-8, 14=0-3-8
Max Horz 14=212(LC 11)
Max Uplift 10=-34(LC 13), 14=-34(LC 12)
Max Grav 10=1077(LC 20), 14=1077(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-309/119, 3-5=-1150/140, 5-7=-1150/140, 7-8=-308/119, 2-14=-351/122, 8-10=-351/122
BOT CHORD 13-14=-60/1042, 11-13=0/748, 10-11=0/933
WEBS 5-11=-88/539, 5-13=-88/539, 3-14=-1053/0, 7-10=-1052/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 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) 10 and 14. This connection is for uplift only and does not consider lateral forces.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B06T	SPECIAL	6	1	I43400252
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:24 2020 Page 1
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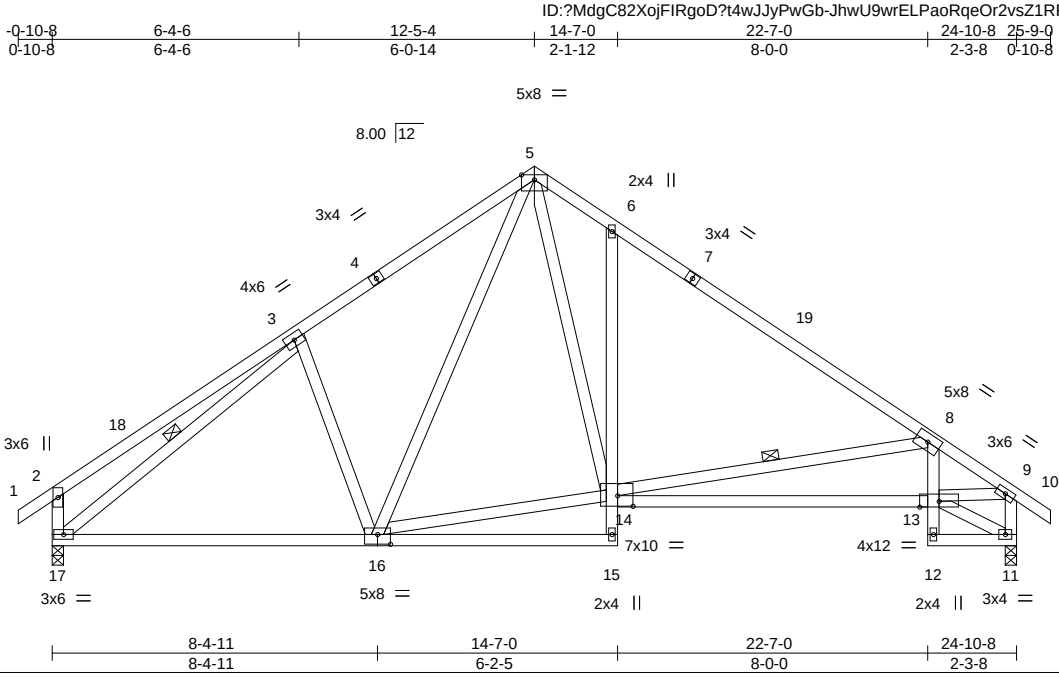

Plate Offsets (X,Y)-- [14:0-4-12,0-3-4], [16:0-4-0,0-3-0]

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	0.71	Vert(LL)	-0.16	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.35	13-14	>846	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.03	13-14	>999	240	Weight: 177 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-15,8-12: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-17, 8-14

REACTIONS. (size) 17=0-3-8, 11=0-3-8
Max Horz 17=-212(LC 10)
Max Grav 17=1045(LC 1), 11=1045(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-341/129, 2-3=-295/130, 3-5=-1069/146, 5-6=-1095/175, 6-8=-1186/88, 8-9=-1514/38, 9-11=-983/45
BOT CHORD 16-17=-5/900, 6-14=-391/167, 13-14=-43/1455
WEBS 3-17=-960/0, 5-16=-81/323, 14-16=0/692, 5-14=-86/718, 8-14=-615/166, 9-13=-25/1292

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	B08GR	SPECIAL	1	3	I43400253
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:25 2020 Page 1
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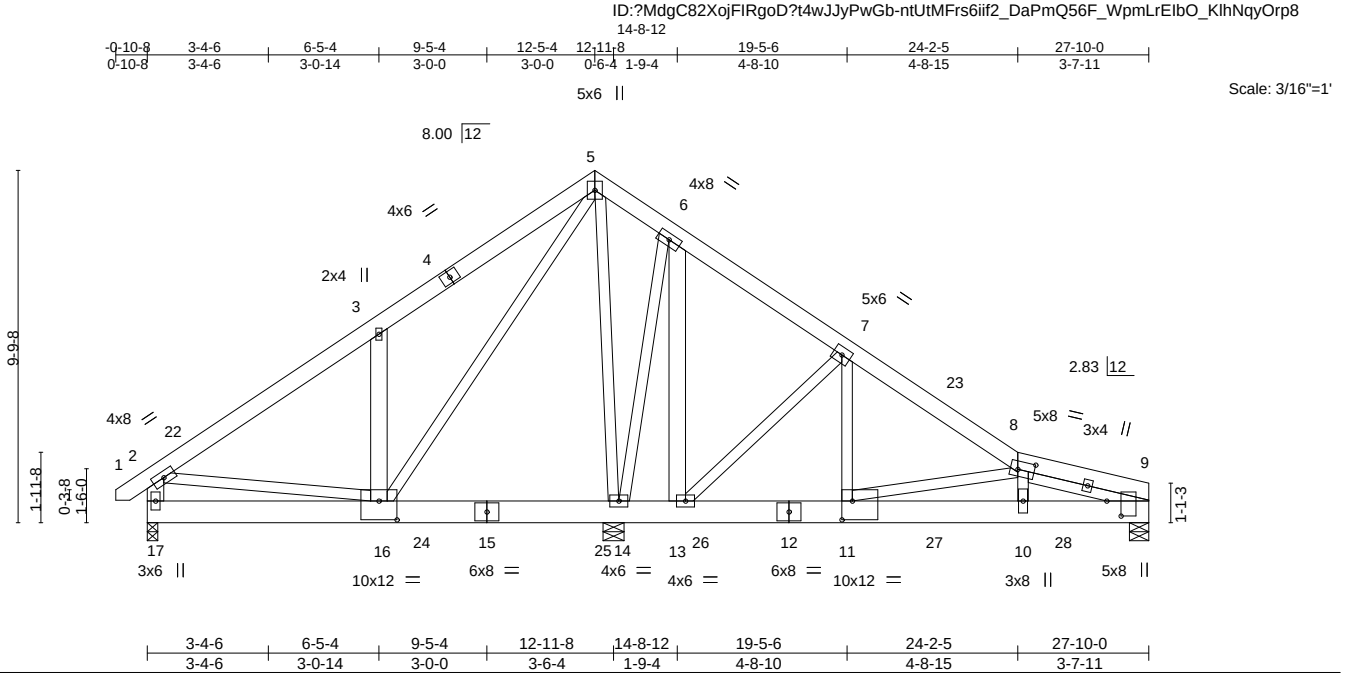

Plate Offsets (X,Y)-- [8:0-5-8,0-2-12], [9:0-5-0,0-4-12], [11:0-3-8,0-6-4], [16:0-6-0,0-6-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.06	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	-0.13	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	10-11	>999	240	Weight: 817 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2 *Except*
2-17,3-16,6-13: 2x6 SP No.2
SLIDER Right 2x4 SP No.2 3-5-6

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. (size) 17=0-3-8, 9=0-6-7, 14=0-7-0
Max Horz 17=-194(LC 6)
Max Uplift 17=-121(LC 8), 9=-373(LC 9), 14=-1235(LC 9)
Max Grav 17=1473(LC 19), 9=4914(LC 17), 14=17259(LC 17)

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED FOR LOADS REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.148"x 3" NAILS PER HANGER MANUFACTURER SPECIFICATIONS.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-767/99, 2-3=-983/98, 3-5=-953/223, 5-6=-248/4154, 6-7=-219/3083, 7-8=-1883/147, 8-9=-5040/382
BOT CHORD 16-17=-190/724, 14-16=-2859/361, 13-14=-2689/331, 11-13=-80/1571, 10-11=-504/7016, 9-10=-522/7286
WEBS 3-16=-345/158, 6-13=-440/5497, 7-13=-5598/479, 7-11=-448/6318, 8-11=-5676/492, 8-10=-197/2607, 5-14=-7373/513, 6-14=-5224/464, 5-16=-588/6327

NOTES-
1) N/A
2) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 4 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
3) 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.
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17 and 9. This connection is for uplift only and does not consider lateral forces.
9) Two 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.
10) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.

Continued on page 2

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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4874 lb down and 392 lb up at 6-5-4, and 4243 lb down and 341 lb up at 14-8-12, and 759 lb down and 61 lb up at 24-8-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-2=-60, 2-5=-60, 5-8=-60, 8-9=-60, 16-17=-165(F=-145), 16-24=-20, 13-24=-184(F=-164), 13-26=-20, 26-27=-637(F=-617), 18-27=-844(F=-824)
   Concentrated Loads (lb)
   Vert: 16=-4609(F) 13=-4012(F) 28=-718(F)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	C01G	GABLE	1	1	I43400254
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:27 2020 Page 1
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Scale = 1:41.9

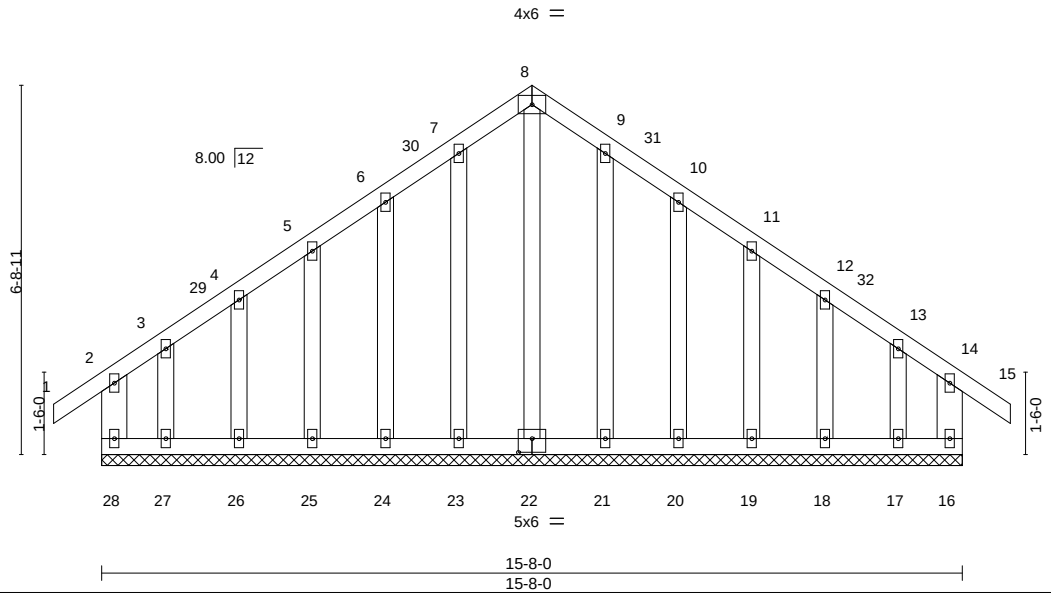

Plate Offsets (X,Y)-- [9:0-0-0,0-0-0], [10:0-0-0,0-0-0], [11:0-0-0,0-0-0], [12:0-0-0,0-0-0], [13:0-0-0,0-0-0], [22:0-3-0,0-3-0]

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	0.08	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.00	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 122 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.

REACTIONS. All bearings 15-8-0.
(lb) - Max Horz 28=153(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16, 23, 24, 25, 26, 21, 20, 19, 18 except 28=-124(LC 8), 27=-136(LC 9), 17=-116(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=115mph (3-second gust) Vasd=91mph; 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 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.
10) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 28, 16, 23, 24, 25, 26, 27, 21, 20 , 19, 18, and 17. This connection is for uplift only and does not consider lateral forces.

October 29,2020

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	C02	COMMON	4	1	I43400255
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:28 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-BSA?_HulPd4DvRx94u_oktcuE_JvRnkqgI_M_9yOrp5

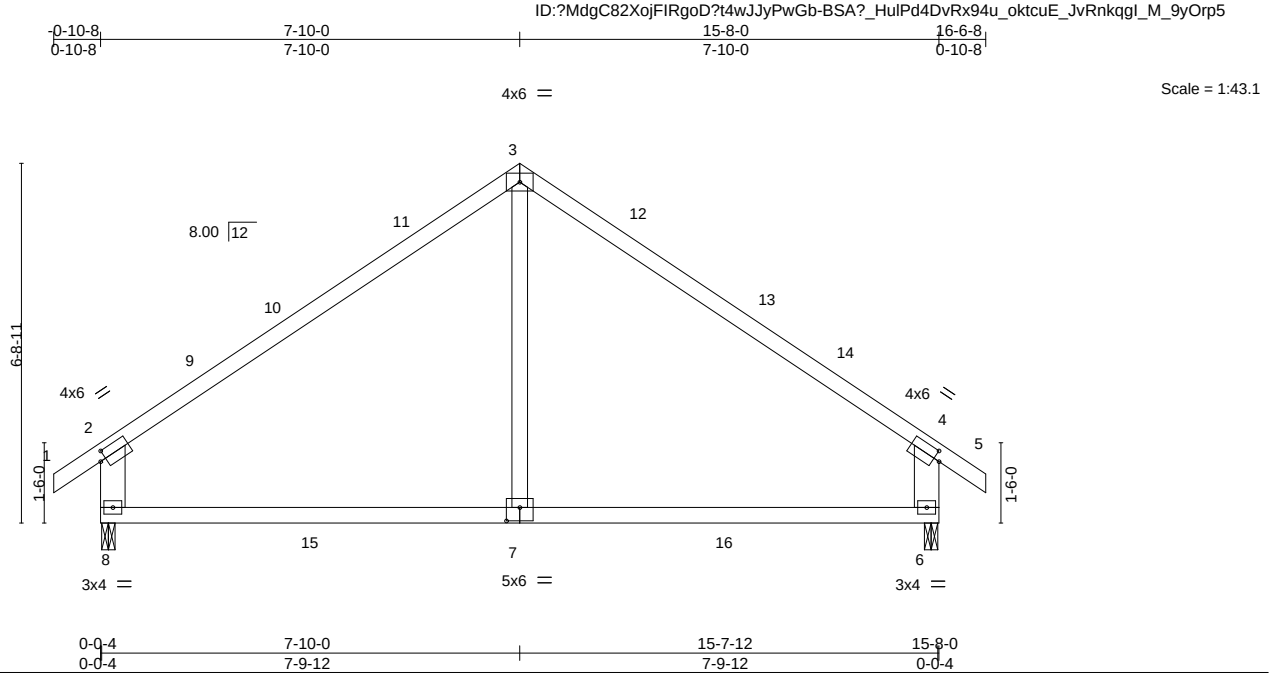

Plate Offsets (X,Y)-- [2:0-1-5,0-2-0], [4:0-1-5,0-2-0], [7:0-3-0,0-3-0]

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)	-0.07	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=153(LC 11)
Max Uplift 8=-9(LC 12), 6=-9(LC 13)
Max Grav 8=724(LC 19), 6=724(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-620/118, 2-3=-699/78, 3-4=-699/78, 4-6=-620/118
BOT CHORD 7-8=0/502, 6-7=0/502
WEBS 3-7=0/378

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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.

October 29,2020

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	C03G	GABLE	1	1	I43400256
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:30 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-7qHmPzv?xFKx9l5YBJ0GpIhL0n2CvhW78cTS32yOrp3

-0-10-8 7-10-0 15-8-0 16-6-8
0-10-8 7-10-0 7-10-0 0-10-8

Scale = 1:43.1

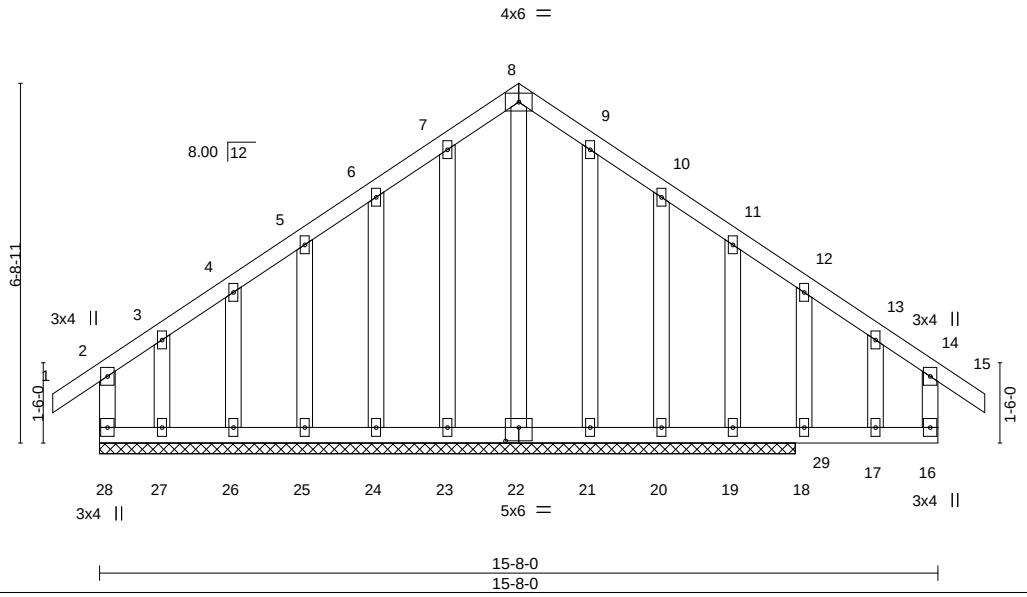

Plate Offsets (X,Y)-- [22:0-3-0,0-3-0]

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	0.45	Vert(LL)	-0.00	14-15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.00	14-15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(CT)	-0.00	19	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 119 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=-151(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 25, 26, 21 except 28=-282(LC 19), 27=-166(LC 9), 20=-193(LC 24), 19=-129(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 28, 23, 24, 25, 26, 21, 20 except 22=251(LC 1), 27=397(LC 19), 19=557(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-130/291
WEBS 11-19=-260/150

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 7-10-0, Corner(3) 7-10-0 to 10-10-0, Exterior(2) 10-10-0 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) 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.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 28, 23, 24, 25, 26, 27, 21, 20, and 19. This connection is for uplift only and does not consider lateral forces.
10) Non Standard bearing condition. Review required.

October 29,2020

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	C04	COMMON	1	1	I43400257
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:31 2020 Page 1
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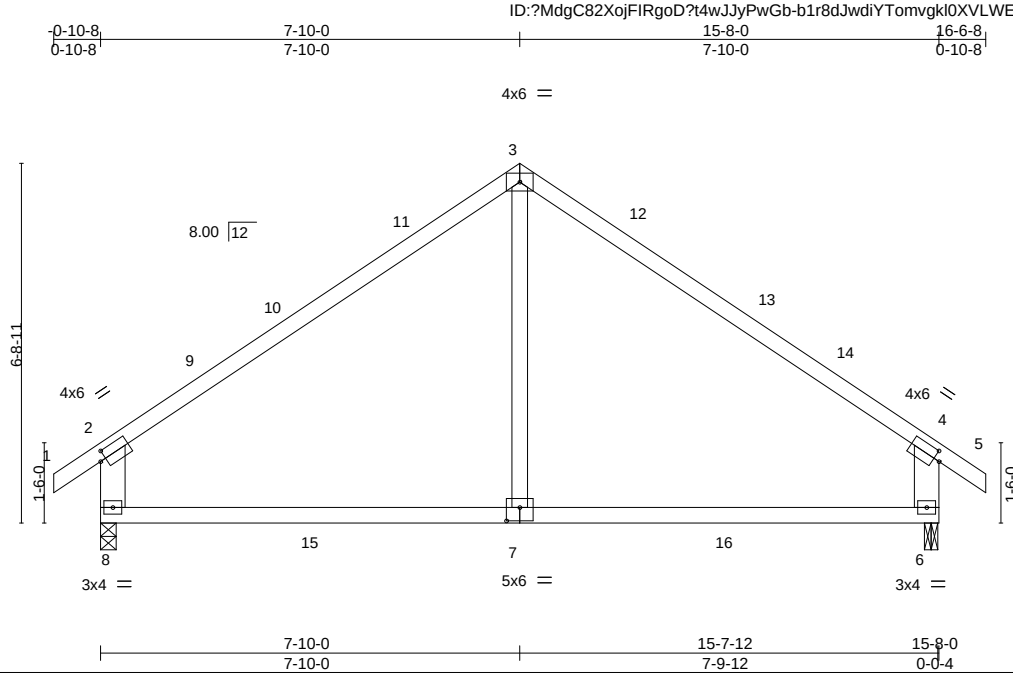

Plate Offsets (X,Y)-- [2:0-1-5,0-2-0], [4:0-1-5,0-2-0], [7:0-3-0,0-3-0]

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	7-8	>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)	-0.07	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=0-3-8, 6=0-3-0
Max Horz 8=153(LC 11)
Max Uplift 8=-9(LC 12), 6=-9(LC 13)
Max Grav 8=724(LC 19), 6=724(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-620/118, 2-3=-699/78, 3-4=-699/78, 4-6=-620/118
BOT CHORD 7-8=0/502, 6-7=0/502
WEBS 3-7=0/378

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	C05T	SPECIAL	1	1	I43400258
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:32 2020 Page 1
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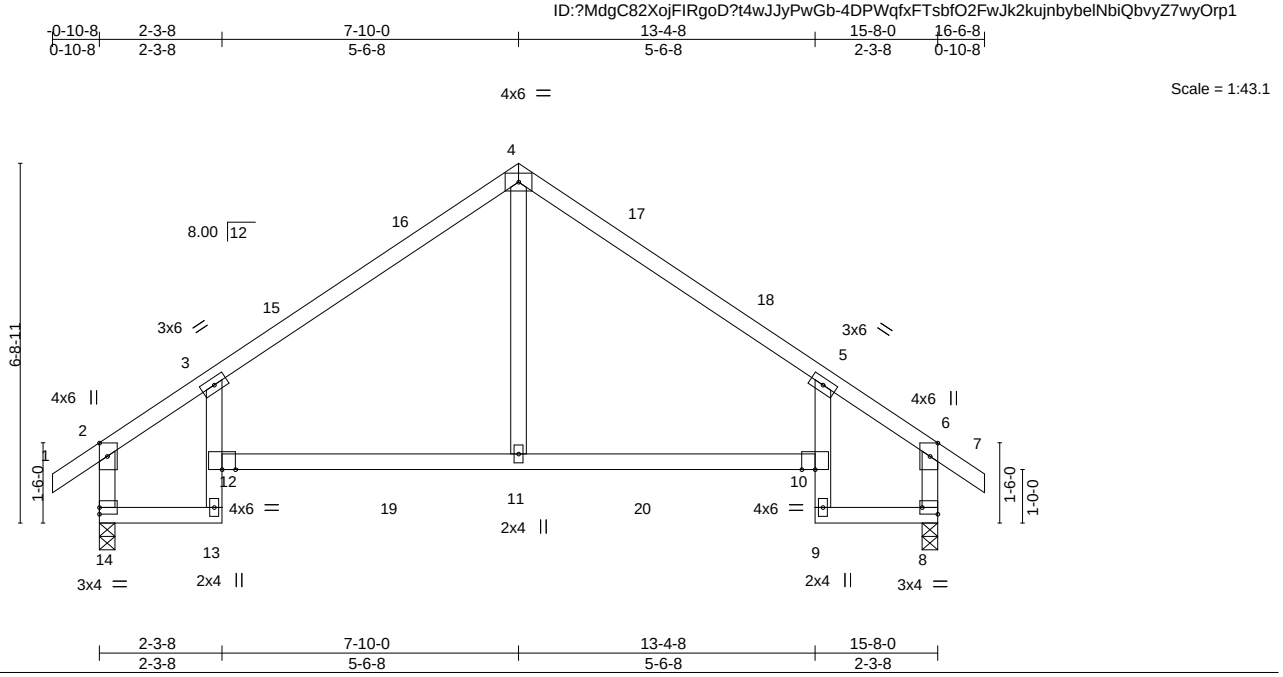

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-0-0,0-0-0], [6:0-3-0,Edge], [8:Edge,0-1-8]

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	0.87	Vert(LL)	-0.16	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.28	10-11	>668	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)	0.17	11-12	>999	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 5-2-13 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=-151(LC 10)
Max Uplift 14=-8(LC 12), 8=-7(LC 13)
Max Grav 14=681(LC 19), 8=681(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-593/61, 2-3=-556/44, 3-4=-702/70, 4-5=-733/81, 5-6=-550/41, 6-8=-576/68
BOT CHORD 13-14=-51/400, 11-12=0/607, 10-11=0/607, 8-9=-1/323
WEBS 4-11=0/366

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 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 16-6-8 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) 14 and 8. This connection is for uplift only and does not consider lateral forces.

October 29,2020

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	C06TGR	SPECIAL	1	2	I43400259
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:33 2020 Page 1
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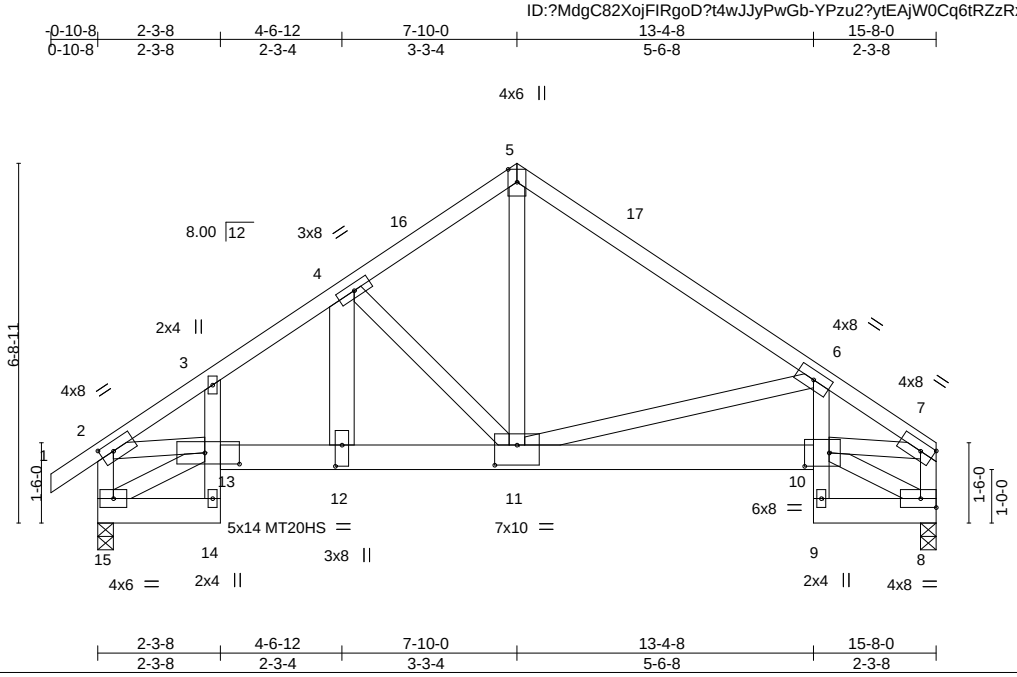

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [10:0-5-8,0-3-0], [11:0-5-0,0-4-8], [12:0-4-12,0-1-8], [13:0-7-12,0-2-8]

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	>919	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.15	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.07	10-11	>999	240	Weight: 230 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.2 *Except*
4-12: 2x6 SP No.2

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

REACTIONS. (size) 15=0-3-8, 8=0-3-8
Max Horz 15=144(LC 5)
Max Uplift 15=-297(LC 8), 8=-338(LC 9)
Max Grav 15=4271(LC 15), 8=4887(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-4061/325, 2-3=-7163/529, 3-4=-6877/520, 4-5=-4915/369, 5-6=-4953/374, 6-7=-7795/552, 7-8=-4285/298
BOT CHORD 14-15=-62/564, 12-13=-433/5818, 11-12=-434/5818, 10-11=-519/6954, 9-10=-29/514, 6-10=-121/2268
WEBS 13-15=-506/68, 2-13=-391/5695, 4-12=-205/2485, 4-11=-2378/273, 5-11=-377/5182, 6-11=-2901/345, 7-10=-441/6264

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=115mph (3-second gust) Vasd=91mph; 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 8. This connection is for uplift only and does not consider lateral forces.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2257 lb down and 178 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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LOAD CASE(S) Standard

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)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	CT01	CAPE	4	1	I43400260
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:34 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-0cXGFKyV?TrNdMPJQ94Cz8szePM3rSlj3DRgCpyOrp?

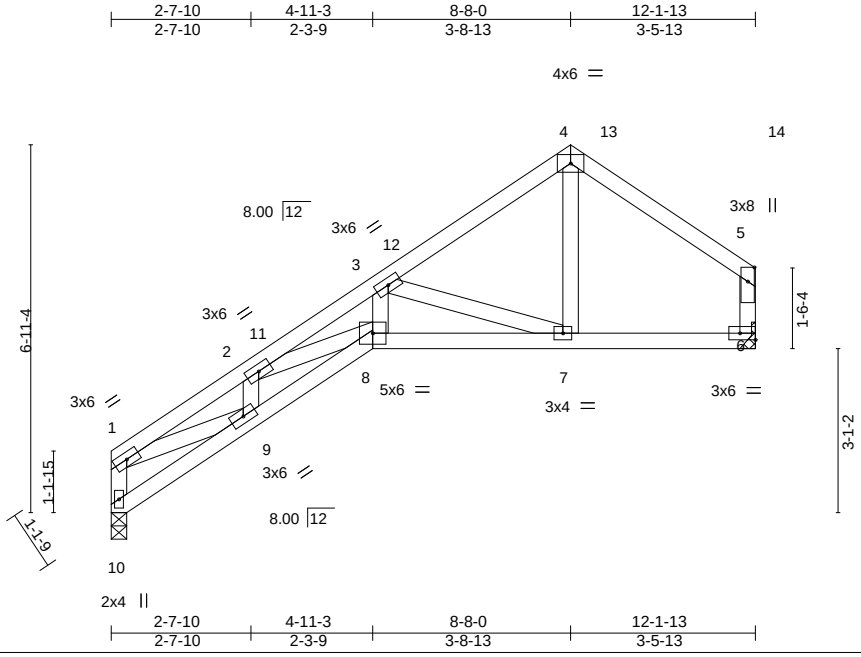

Plate Offsets (X,Y)-- [6:Edge,0-1-8]

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	0.73	Vert(LL)	-0.08	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.17	7-8	>861	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.11	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.07	7-8	>999	240	Weight: 64 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 4-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 10=0-3-8, 6=Mechanical
Max Horz 10=137(LC 9)
Max Uplift 10=-2(LC 12), 6=-34(LC 12)
Max Grav 10=474(LC 1), 6=474(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-472/91, 1-2=-1143/189, 2-3=-1651/279, 3-4=-423/73, 4-5=-444/77, 5-6=-357/69
BOT CHORD 8-9=-297/1184, 7-8=-260/1303, 6-7=-42/303
WEBS 1-9=-127/884, 2-9=-312/82, 2-8=-45/447, 3-8=-133/834, 3-7=-1049/247, 4-7=-18/289

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 8-8-0, Exterior(2) 8-8-0 to 11-8-0, Interior(1) 11-8-0 to 12-0-1 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) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. This connection is for uplift only and does not consider lateral forces.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	CT02GR	FLAT	1	2	I43400261
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:34 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-0cXGFKyV?TrNdMPJQ94Cz8s5FPRyrTSj3DRgCpyOrp?

3-11-8 7-11-0
3-11-8 3-11-8

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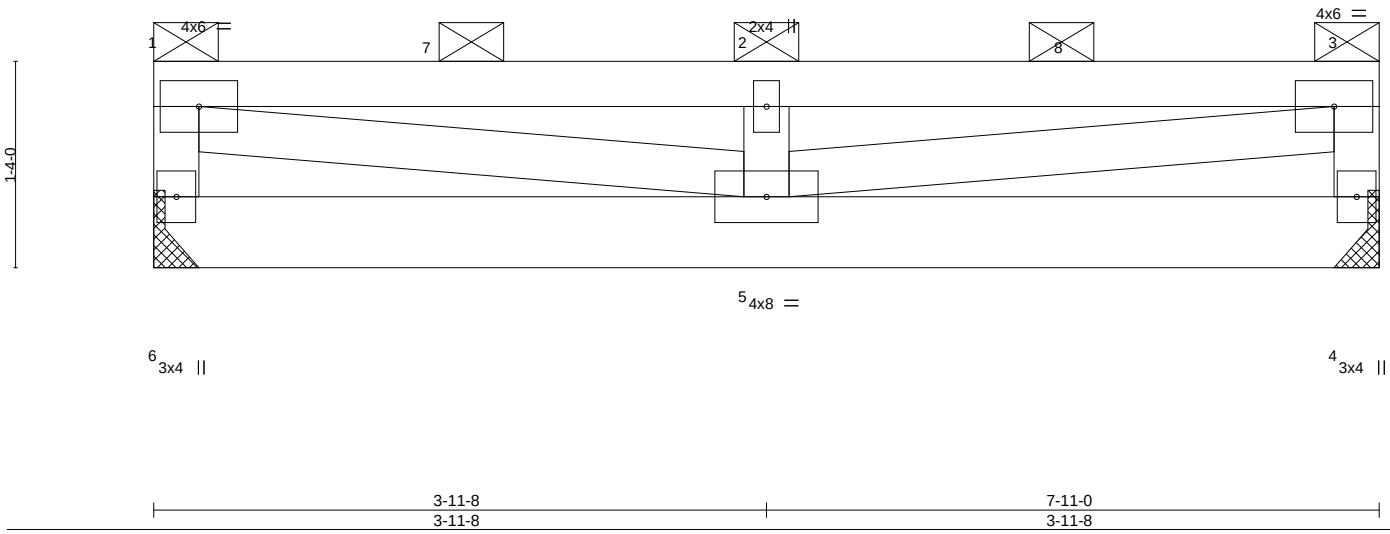

3-11-8 7-11-0
3-11-8 3-11-8

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	0.24	Vert(LL)	-0.03	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.06	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.02	5	>999	240	Weight: 87 lb	FT = 20%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-3, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 4=Mechanical
Max Horz 6=-28(LC 6)
Max Uplift 6=-105(LC 4), 4=-105(LC 5)
Max Grav 6=1209(LC 1), 4=1209(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-657/78, 1-2=-2333/198, 2-3=-2333/198, 3-4=-657/78
BOT CHORD 5-6=-48/307, 4-5=-36/307
WEBS 1-5=-179/2089, 3-5=-180/2089

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.
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) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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
4) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) 6=105, 4=105.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-6=-257(F=-237), 1-3=-60

October 29,2020

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	D03G	GABLE	1	1	I43400262
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:35 2020 Page 1
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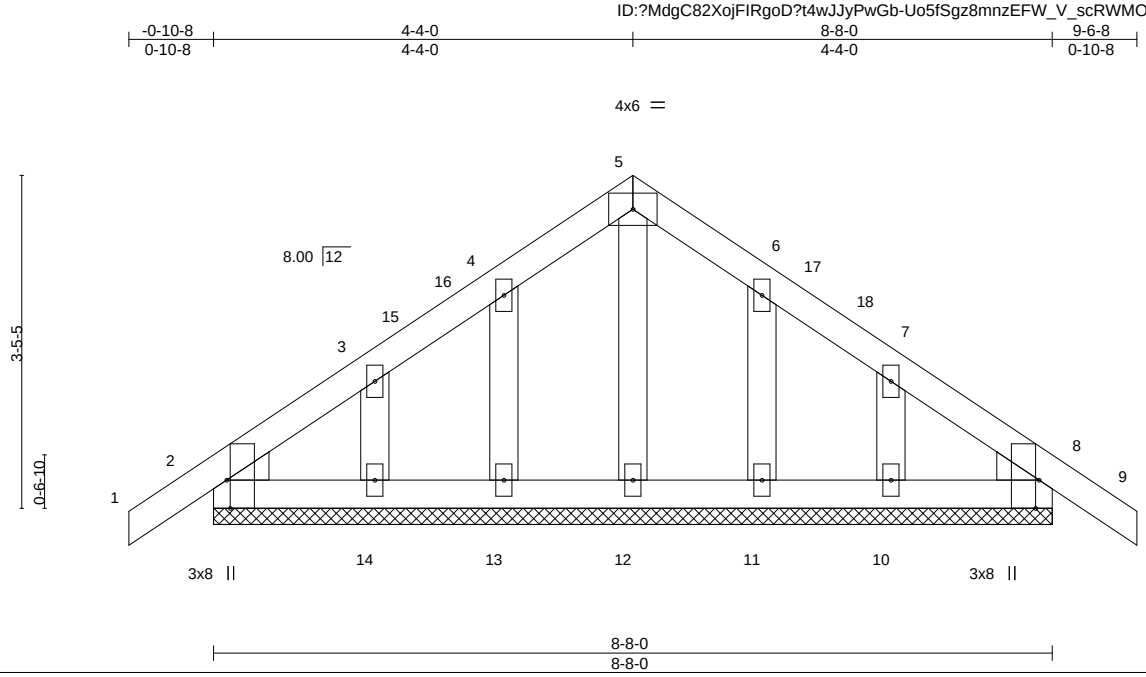

Plate Offsets (X,Y)-- [2:0-0-9,0-0-13], [2:0-1-1,0-5-2], [2:0-3-8,Edge], [8:0-0-9,0-0-13], [8:0-1-1,0-5-2], [8:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	-0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 47 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 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 8-8-0.
(lb) - Max Horz 2=-68(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-4-0, Exterior(2) 4-4-0 to 8-8-0, Interior(1) 8-8-0 to 9-6-8 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 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.

October 29,2020

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	D04	KINGPOST	1	1	I43400263
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:36 2020 Page 1
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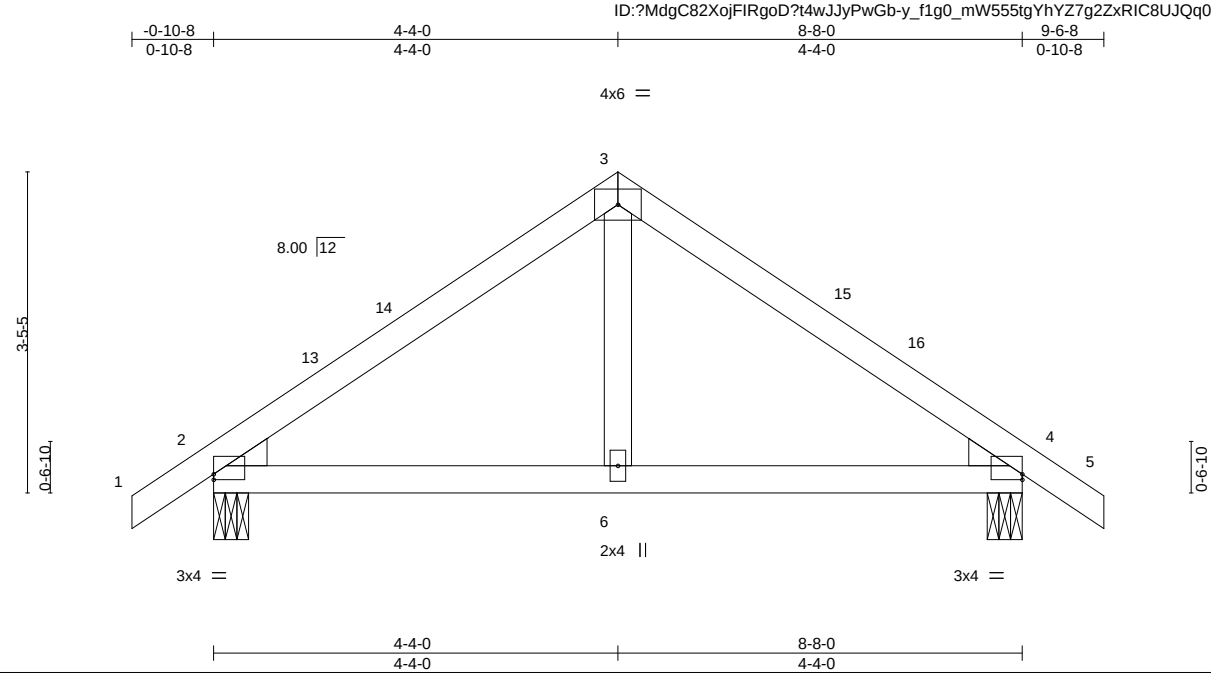

Plate Offsets (X,Y)-- [2:0-0-0,0-0-11], [4:0-0-0,0-0-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.01	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.02	6-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.01	6-9	>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
WEDGE
Left: 2x4 SP No.3, Right: 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) 2=0-4-8, 4=0-4-8
Max Horz 2=68(LC 11)
Max Uplift 2=-21(LC 12), 4=-21(LC 13)
Max Grav 2=399(LC 1), 4=399(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-392/51, 3-4=-392/51
BOT CHORD 2-6=0/266, 4-6=0/266

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-4-0, Exterior(2) 4-4-0 to 7-4-0, Interior(1) 7-4-0 to 9-6-8 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.
5) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.

October 29,2020

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	D05	KINGPOST	1	1	I43400264
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:37 2020 Page 1
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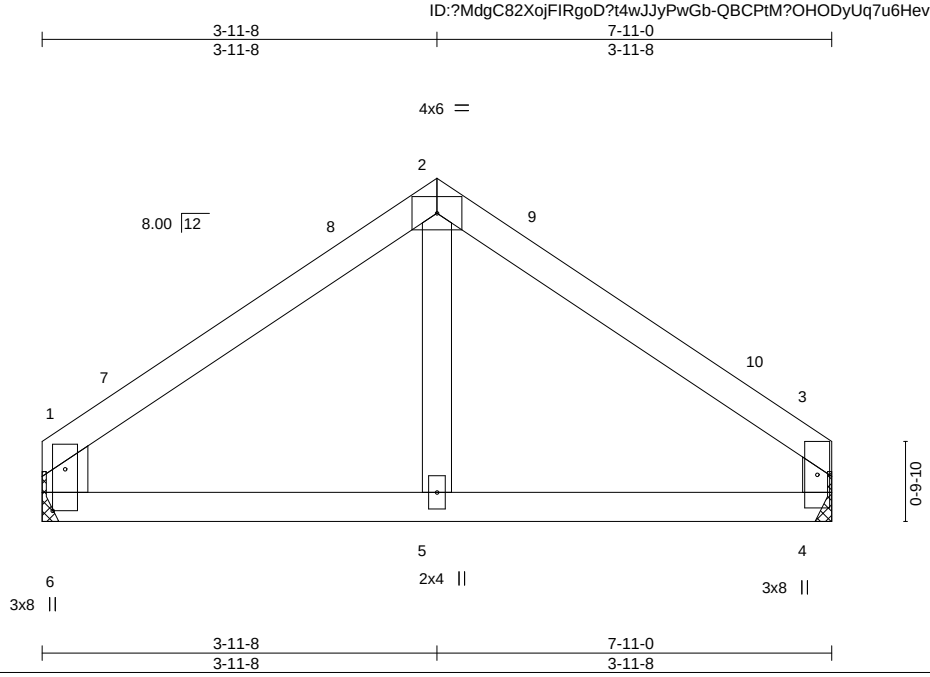

Plate Offsets (X,Y)-- [6:0-5-0,0-1-8]

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	0.25	Vert(LL)	-0.01	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.00	5-6	>999	240	Weight: 32 lb	FT = 20%

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

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=Mechanical, 4=Mechanical
Max Horz 6=-67(LC 8)
Max Uplift 6=-5(LC 12), 4=-6(LC 13)
Max Grav 6=302(LC 1), 4=302(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-299/51, 2-3=-300/50, 1-6=-250/56, 3-4=-251/56

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-4 to 3-7-4, Interior(1) 3-7-4 to 4-4-0, Exterior(2) 4-4-0 to 7-4-0, Interior(1) 7-4-0 to 8-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
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) 6, 4.

October 29,2020

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TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	E01G	GABLE	1	1	I43400265
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:39 2020 Page 1
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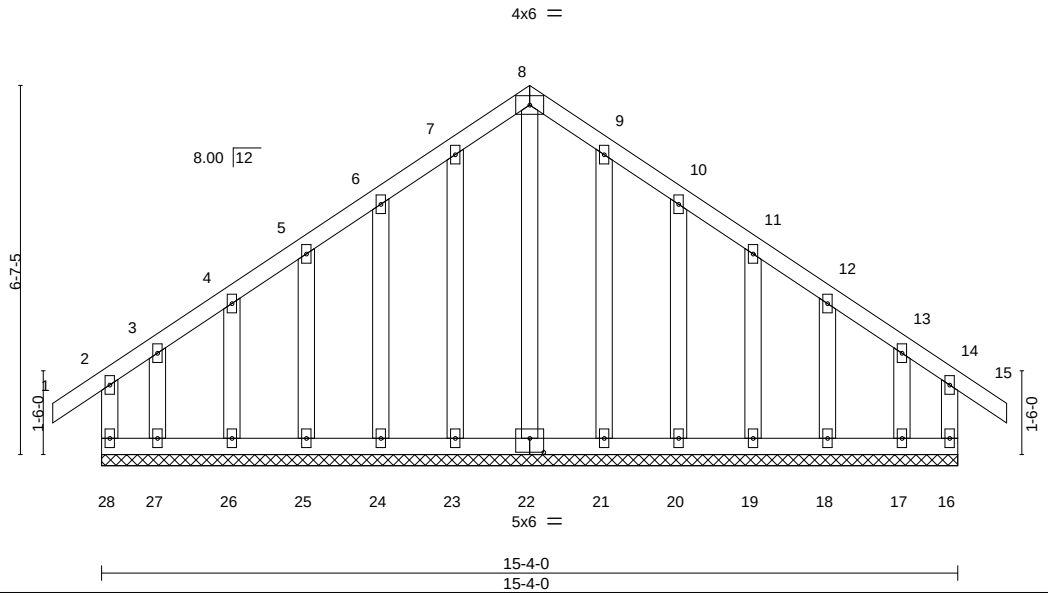

Plate Offsets (X,Y)-- [22:0-3-0,0-3-0]

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	0.15	Vert(LL)	-0.00	15	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	-0.00	16	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 116 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=-149(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 23, 24, 25, 26, 21, 20, 19, 18 except 28=-129(LC 8), 16=-111(LC 9), 27=-129(LC 9), 17=-115(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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-4-0, Exterior(2) 2-4-0 to 7-8-0, Corner(3) 7-8-0 to 10-8-0, Exterior(2) 10-8-0 to 16-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	J01	JACK	1	1	I43400266
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:39 2020 Page 1
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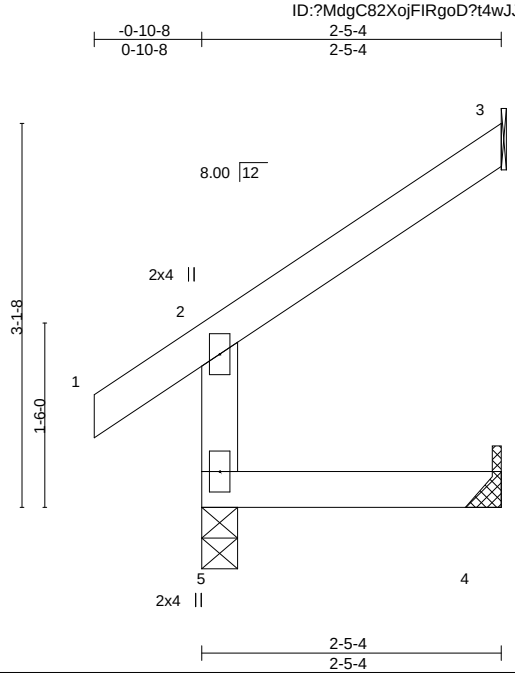

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 11 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. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=56(LC 9)
Max Uplift 3=-45(LC 12), 4=-7(LC 12)
Max Grav 5=165(LC 1), 3=64(LC 19), 4=41(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	J02	MONO HIP	1	1	I43400267 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:40 2020 Page 1
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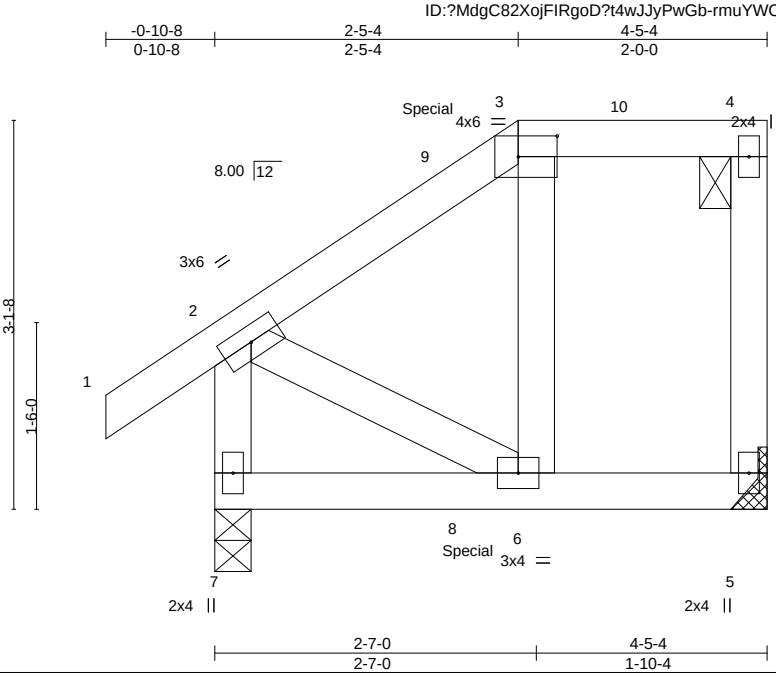

Plate Offsets (X,Y)-- [3:0-3-12,0-2-0]

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	0.19	Vert(LL)	0.01	6	>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-MS							Weight: 28 lb	FT = 20%

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

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=93(LC 7)
Max Uplift 7=-36(LC 8), 5=-87(LC 5)
Max Grav 7=234(LC 1), 5=157(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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 7. This connection is for uplift only and does not consider lateral forces.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) 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)

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	J03	JACK	6	1	I43400268
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:41 2020 Page 1
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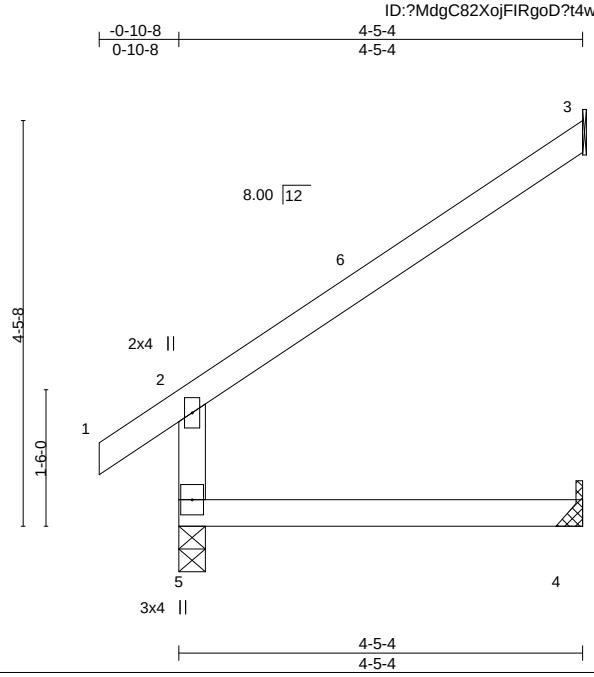

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.03	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.03	4-5	>999	240	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. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=92(LC 12)
Max Uplift 3=-73(LC 12)
Max Grav 5=238(LC 1), 3=124(LC 19), 4=80(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-5-0 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 100 lb uplift at joint(s) 3.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	J03T	JACK	5	1	I43400269
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:42 2020 Page 1
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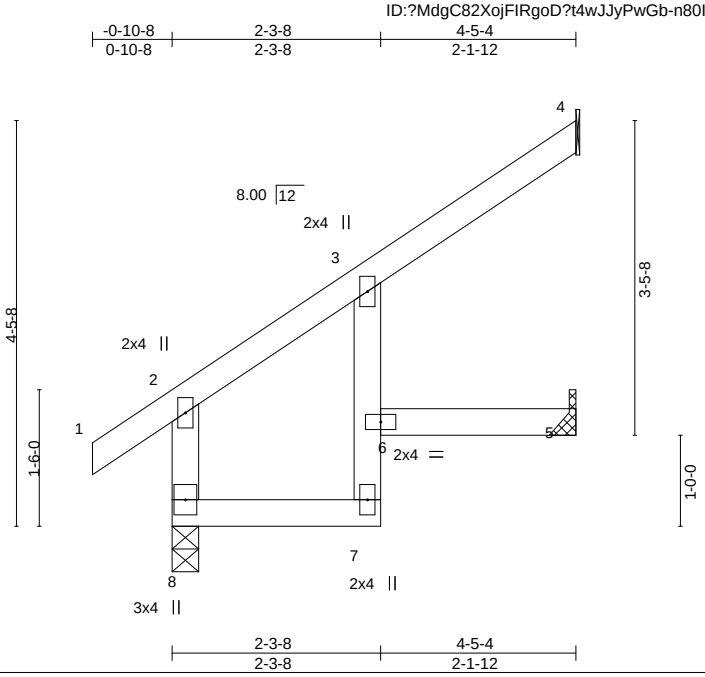

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	0.08	7	>619	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.08	7	>628	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.09	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 21 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. (size) 8=0-3-8, 4=Mechanical, 5=Mechanical
Max Horz 8=92(LC 12)
Max Uplift 4=-84(LC 12)
Max Grav 8=239(LC 1), 4=156(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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-12, Interior(1) 2-1-12 to 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 100 lb uplift at joint(s) 4.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	M03	MONO TRUSS	4	1	I43400270
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:42 2020 Page 1
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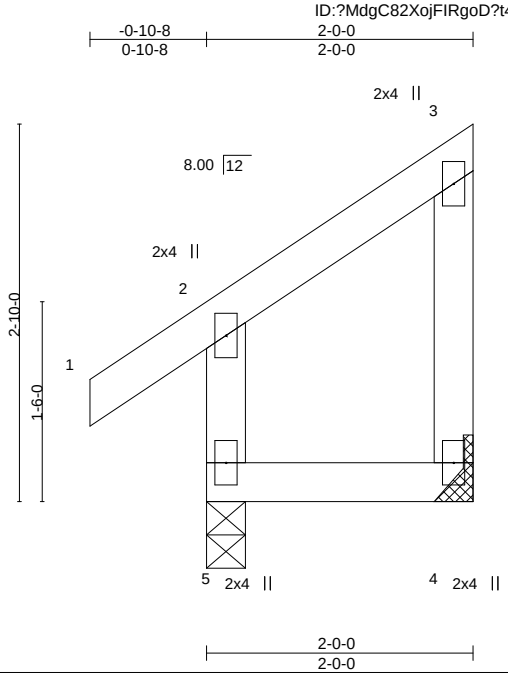

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.00	5	>999	240	Weight: 13 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 2-0-0 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=80(LC 9)
Max Uplift 5=-8(LC 12), 4=-50(LC 9)
Max Grav 5=149(LC 20), 4=79(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	M04	MONO TRUSS	4	1	I43400271
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:43 2020 Page 1
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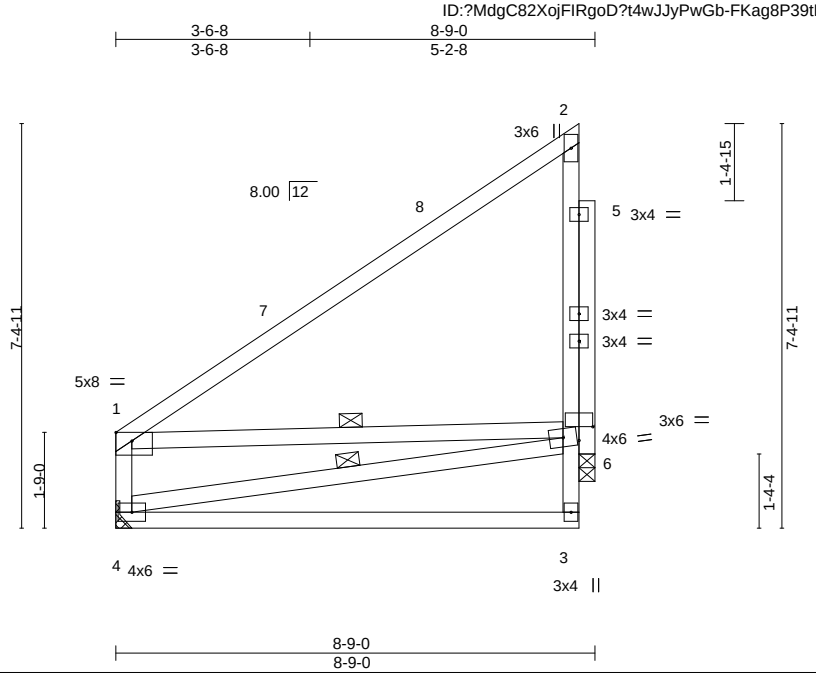

Plate Offsets (X,Y)-- [1:Edge,0-1-14], [6:0-3-0,0-3-0]

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	0.94	Vert(LL)	-0.14	3-4	>700	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.28	3-4	>353	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.00	3-4	>999	240	Weight: 70 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.2

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.
WEBS 1 Row at midpt 4-6, 1-6

REACTIONS. (size) 4=Mechanical, 6=0-3-8
Max Horz 4=208(LC 9)
Max Uplift 6=-88(LC 12)
Max Grav 4=341(LC 1), 6=857(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-734/162, 1-4=-278/86
WEBS 4-6=-398/444, 1-6=-342/231

NOTES-
1) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; 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 8-3-12 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
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) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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.
7) 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: 3-4=-20, 1-2=-60
Concentrated Loads (lb)
Vert: 2=-474(F)

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	M05GR	MONO TRUSS	1	2	I43400272
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:44 2020 Page 1
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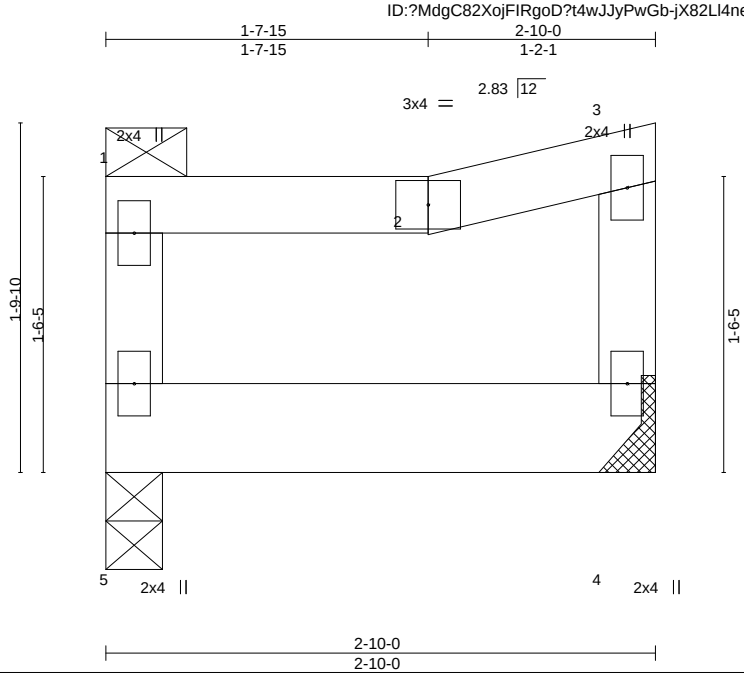

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.01	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.00	4-5	>999	240	Weight: 27 lb	FT = 20%

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

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

REACTIONS. (size) 5=0-3-8, 4=Mechanical
Max Horz 5=32(LC 5)
Max Grav 5=718(LC 1), 4=725(LC 15)

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

NOTES-
1) 2-ply truss to be connected together as follows:
Top chords connected with 10d (0.131"x3") nails as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected with 10d (0.131"x3") nails as follows: 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) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) interior zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-5=-505(F=-485)

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	P05G	GABLE	1	1	I43400273
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:45 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-BjhRZ55PPsDpS2lQaynnwTp_YqDzwS6KaRbl4gyOroq

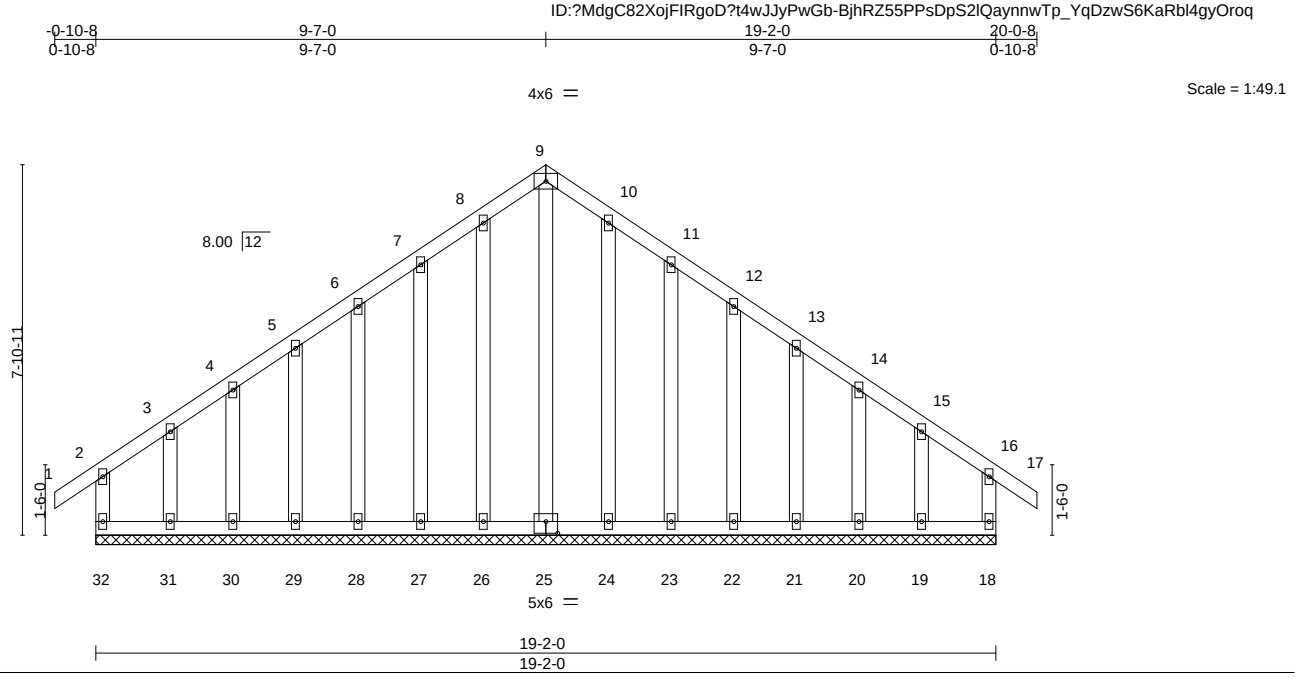

Plate Offsets (X,Y)-- [25:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.00	17	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.00	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	-0.00	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 156 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 19-2-0.
(lb) - Max Horz 32=174(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20 except 32=-105(LC 8), 31=-115(LC 9), 19=-103(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 32, 18, 25, 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 9-7-0, Corner(3) 9-7-0 to 12-7-0, Exterior(2) 12-7-0 to 20-0-8 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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	P06	COMMON	3	1	I43400274
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:46 2020 Page 1
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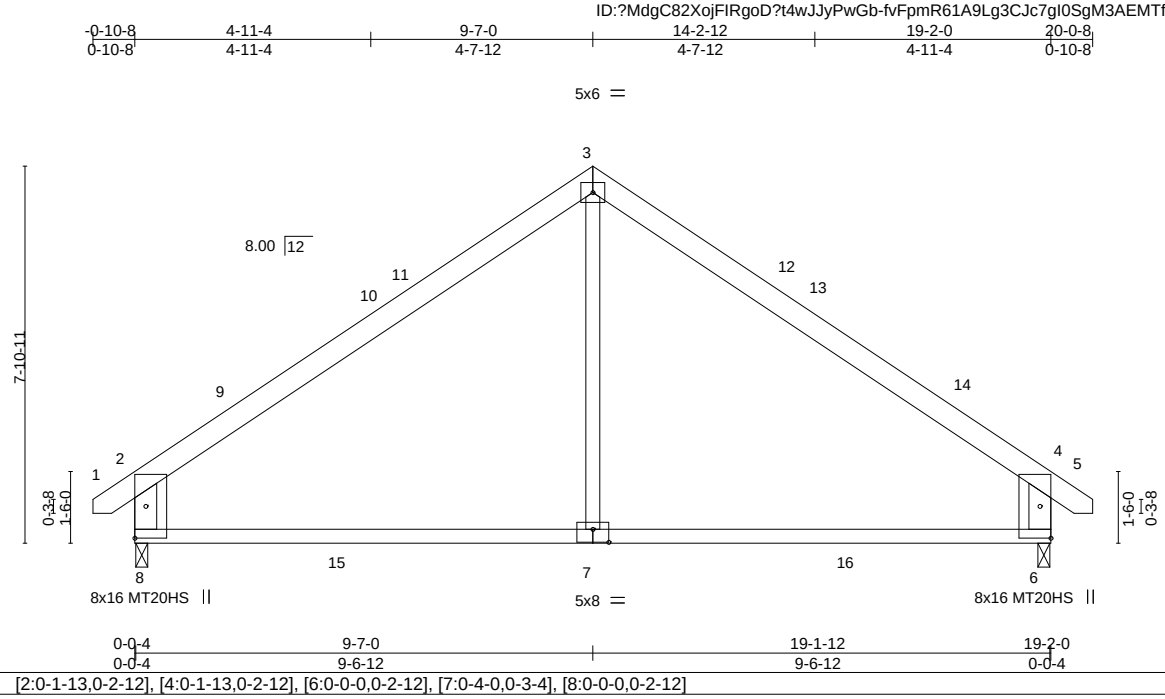

Plate Offsets (X,Y)-- [2:0-1-13,0-2-12], [4:0-1-13,0-2-12], [6:0-0-0,0-2-12], [7:0-4-0,0-3-4], [8:0-0-0,0-2-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.18	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.34	6-7	>666	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	-0.05	7-8	>999	240	Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 8=0-3-0, 6=0-3-0
Max Horz 8=170(LC 11)
Max Grav 8=885(LC 19), 6=885(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-767/109, 2-3=-931/75, 3-4=-931/75, 4-6=-767/109
BOT CHORD 7-8=0/674, 6-7=0/674
WEBS 3-7=0/536

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 9-7-0, Exterior(2) 9-7-0 to 13-9-15, Interior(1) 13-9-15 to 19-10-3 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) 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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	P07	COMMON	1	1	I43400275 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:47 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-76pB_n7fxTUXhMuphNpF?uuEcekVONSd2l4s8ZyOroo

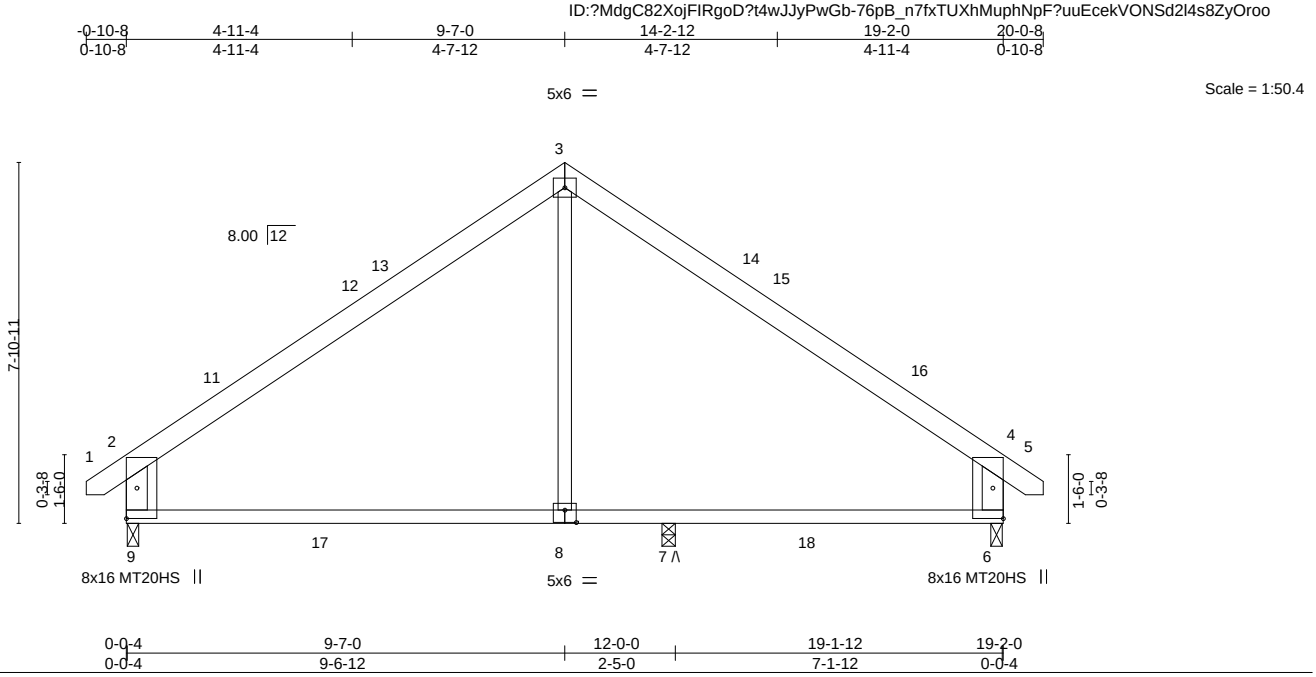

Plate Offsets (X,Y)-- [2:0-1-13,0-2-12], [4:0-1-13,0-2-12], [6:0-0-0,0-2-12], [8:0-3-0,0-3-4], [9:0-0-0,0-2-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.26	8-9	>541	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.46	8-9	>302	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	-0.05	8-9	>999	240	Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=0-3-0, 6=0-3-0, 7=0-3-8
Max Horz 9=170(LC 11)
Max Uplift 9=-31(LC 12), 6=-31(LC 13), 7=REL
Max Grav 9=828(LC 19), 6=769(LC 20), 7=191(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-699/138, 2-3=-802/120, 3-4=-830/122, 4-6=-692/138
BOT CHORD 8-9=0/594, 7-8=0/594, 6-7=0/594
WEBS 3-8=0/374

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=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 9-7-0, Exterior(2) 9-7-0 to 13-9-15, Interior(1) 13-9-15 to 19-10-3 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) 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) 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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	P08GR	COMMON	1	2	I43400276
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:48 2020 Page 1
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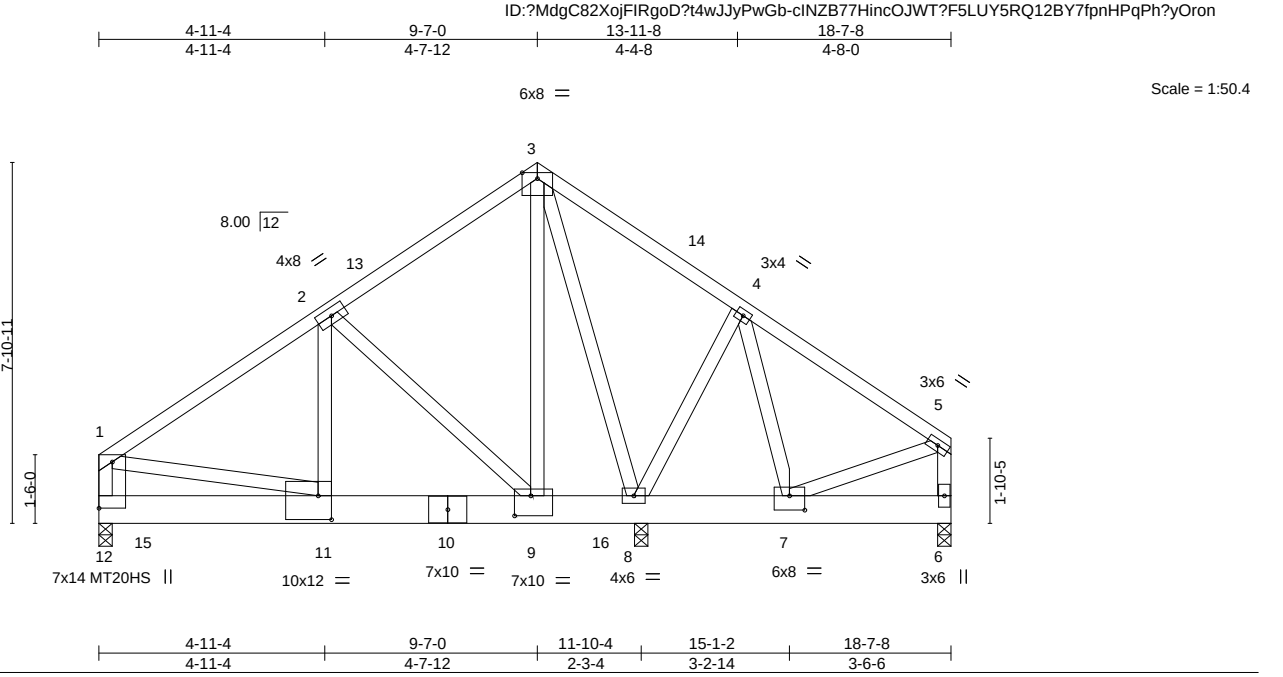

Plate Offsets (X,Y)-- [7:0-4-0,0-3-12], [9:0-4-4,0-5-4], [11:0-3-8,0-6-4], [12:Edge,0-3-8], [12:0-0-0,0-1-12]

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	0.48	Vert(LL)	-0.05	9-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.10	9-11	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.84	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	9-11	>999	240	Weight: 308 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2

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

REACTIONS. (size) 12=0-3-8, 6=0-3-8, 8=0-3-8 (req. 0-4-10)
Max Horz 12=160(LC 5)
Max Uplift 12=-351(LC 8), 6=-147(LC 9), 8=-671(LC 9)
Max Grav 12=4881(LC 15), 6=2272(LC 15), 8=9127(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-3573/274, 1-2=-4791/356, 2-3=-1310/139, 4-5=-1084/81, 5-6=-991/65
BOT CHORD 11-12=-141/545, 9-11=-311/4016, 8-9=-34/1093, 7-8=0/527
WEBS 1-11=-207/3564, 2-11=-290/4366, 2-9=-3989/378, 3-9=-350/4350, 3-8=-4075/290, 4-8=-1213/197, 4-7=-104/1490, 5-7=-22/839

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: 2x8 - 2 rows staggered at 0-6-0 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=115mph (3-second gust) Vasd=91mph; 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) WARNING: Required bearing size at joint(s) 8 greater than input bearing size.
9) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 6. This connection is for uplift only and does not consider lateral forces.
10) Two RT7A 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.
11) Double installations of RT7A require the two hurricane ties to be installed on opposite sides of top plate to avoid nail interference in single ply truss.

LOAD CASE(S) Standard

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Continued on page 2

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818 Soundside Road
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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: 1-3=-60, 3-5=-60, 12-15=-20, 15-16=-905(F=-885), 6-16=-697(F=-677)

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V07	VALLEY	1	1	I43400277
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:49 2020 Page 1
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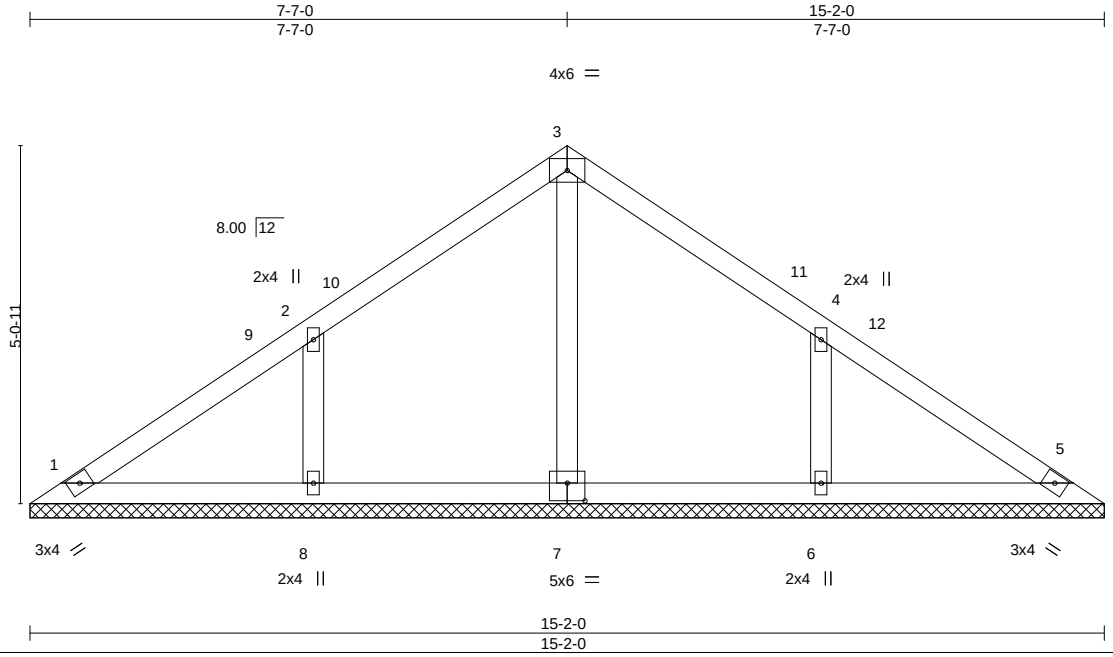

Plate Offsets (X,Y)-- [7:0-3-0,0-3-0]

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	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 61 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 15-2-0.
(lb) - Max Horz 1=-93(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=345(LC 20), 8=345(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-258/133, 2-8=-259/133

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 7-7-0, Exterior(2) 7-7-0 to 10-7-0, Interior(1) 10-7-0 to 14-8-4 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.

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V08	VALLEY	1	1	I43400278
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:50 2020 Page 1
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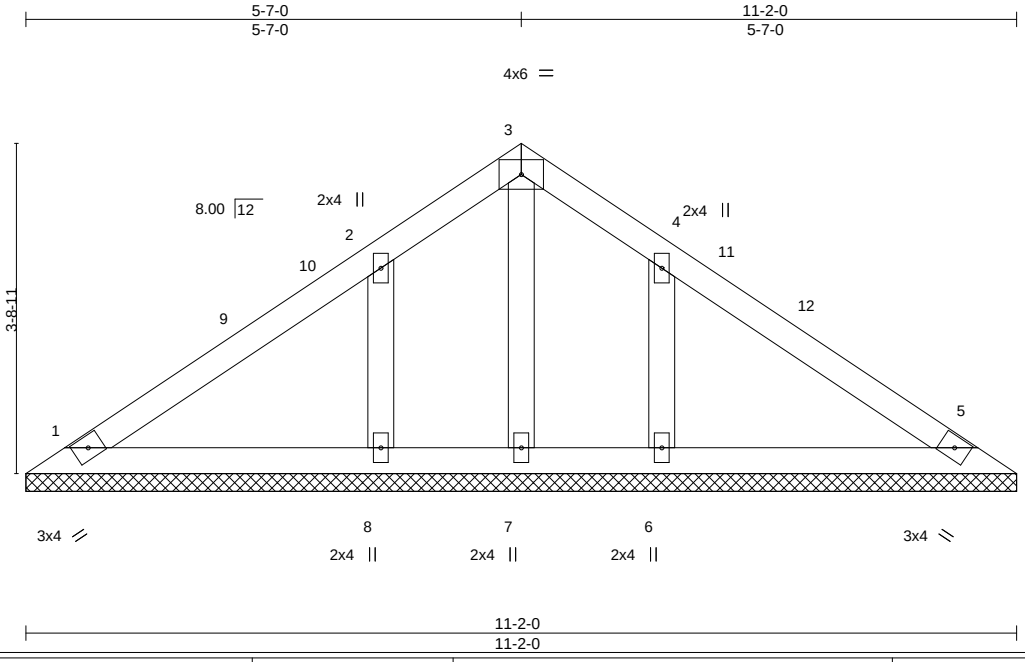

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 46 lb	FT = 20%

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

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

REACTIONS. All bearings 11-2-0.
(lb) - Max Horz 1=-67(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=305(LC 20), 8=305(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=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 5-7-0, Exterior(2) 5-7-0 to 8-7-0, Interior(1) 8-7-0 to 10-8-4 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.

October 29,2020

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TRENCO
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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V09	VALLEY	1	1	I43400279
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:51 2020 Page 1
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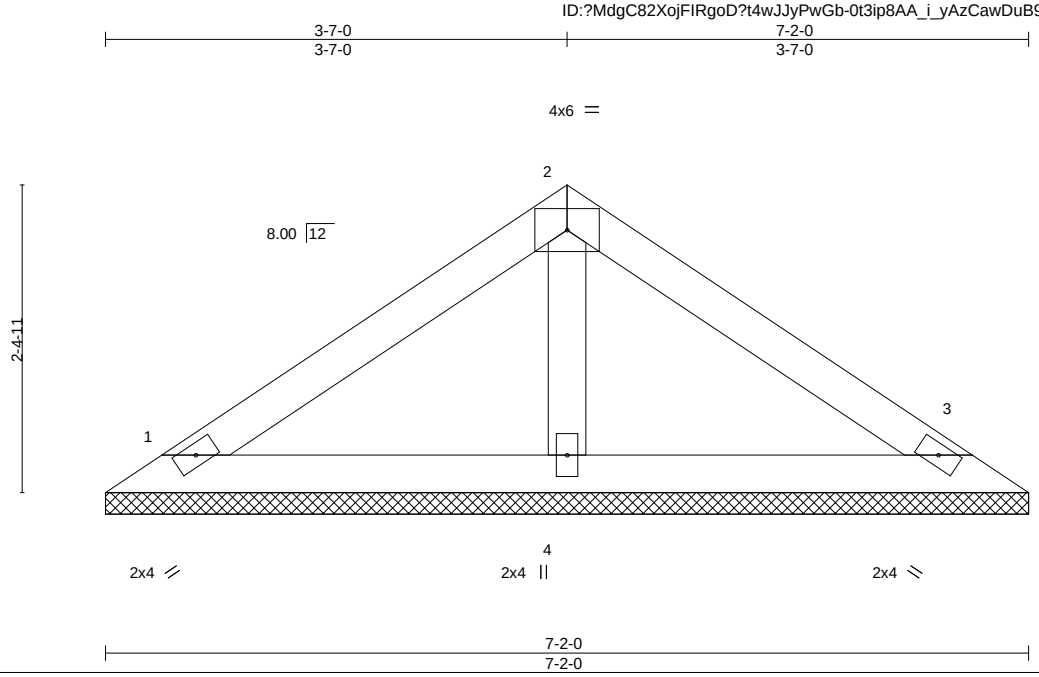

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 24 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=7-2-0, 3=7-2-0, 4=7-2-0
Max Horz 1=41(LC 11)
Max Uplift 1=-11(LC 12), 3=-16(LC 13)
Max Grav 1=121(LC 1), 3=121(LC 1), 4=254(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=115mph (3-second gust) Vasd=91mph; 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.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V10	VALLEY	1	1	I43400280
					Job Reference (optional)

8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Oct 29 08:22:08 2020 Page 1
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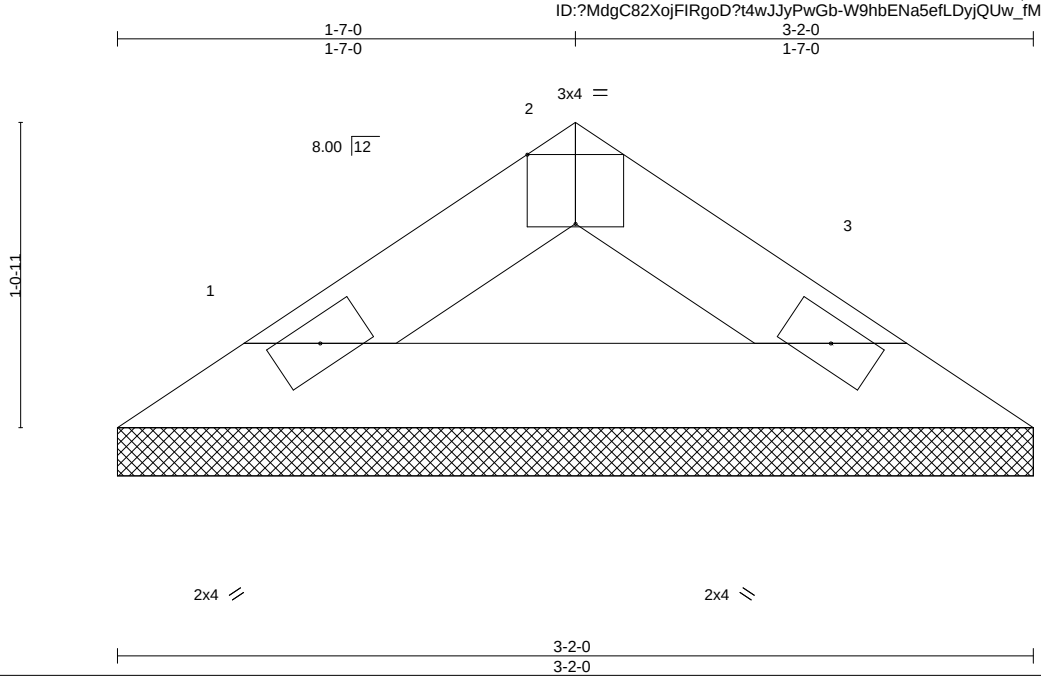

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	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 3-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-2-0, 3=3-2-0
Max Horz 1=-14(LC 10)
Max Uplift 1=-2(LC 12), 3=-2(LC 13)
Max Grav 1=88(LC 1), 3=88(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=115mph (3-second gust) Vasd=91mph; 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 2 lb uplift at joint 1 and 2 lb uplift at joint 3.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V11	GABLE	1	1	I43400281 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:52 2020 Page 1
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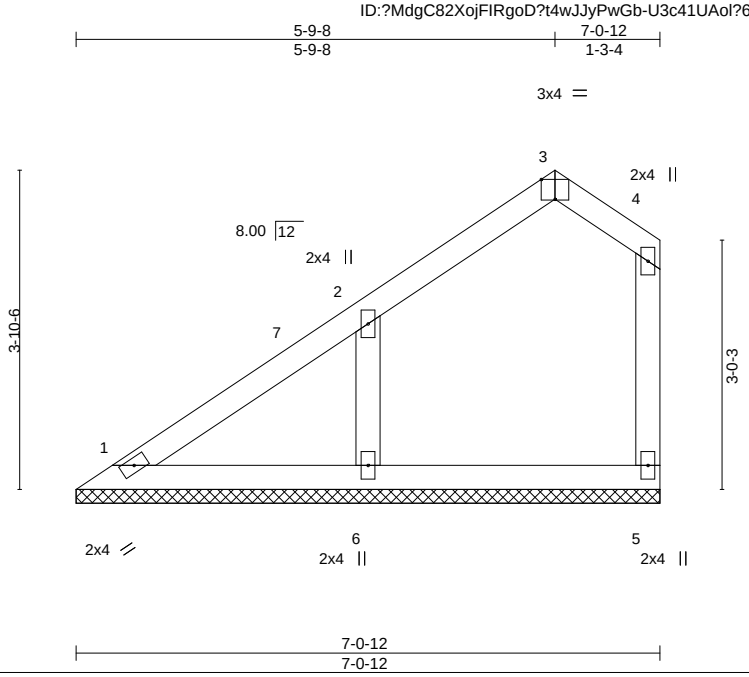

Plate Offsets (X,Y)-- [3:0-2-0,Edge]

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=99(LC 9)
Max Uplift 5=-5(LC 13), 6=-59(LC 12)
Max Grav 1=110(LC 20), 5=118(LC 1), 6=303(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=115mph (3-second gust) Vasd=91mph; 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.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V12	GABLE	1	1	I43400282
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:53 2020 Page 1
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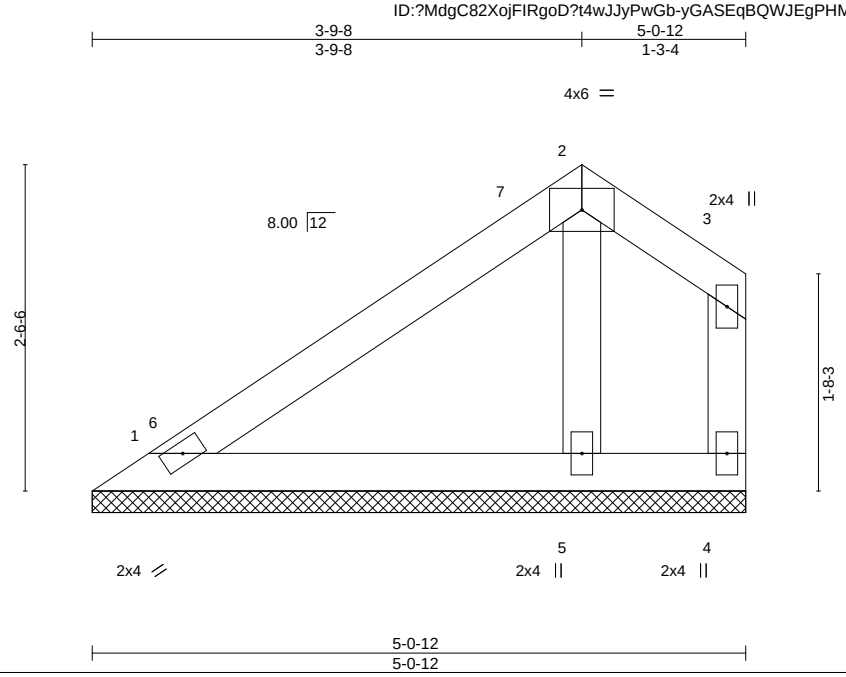

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		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=59(LC 9)
Max Uplift 1=-8(LC 12), 4=-20(LC 8)
Max Grav 1=126(LC 1), 4=35(LC 20), 5=207(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=115mph (3-second gust) Vasd=91mph; 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.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V13	GABLE	1	1	I43400283
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:54 2020 Page 1
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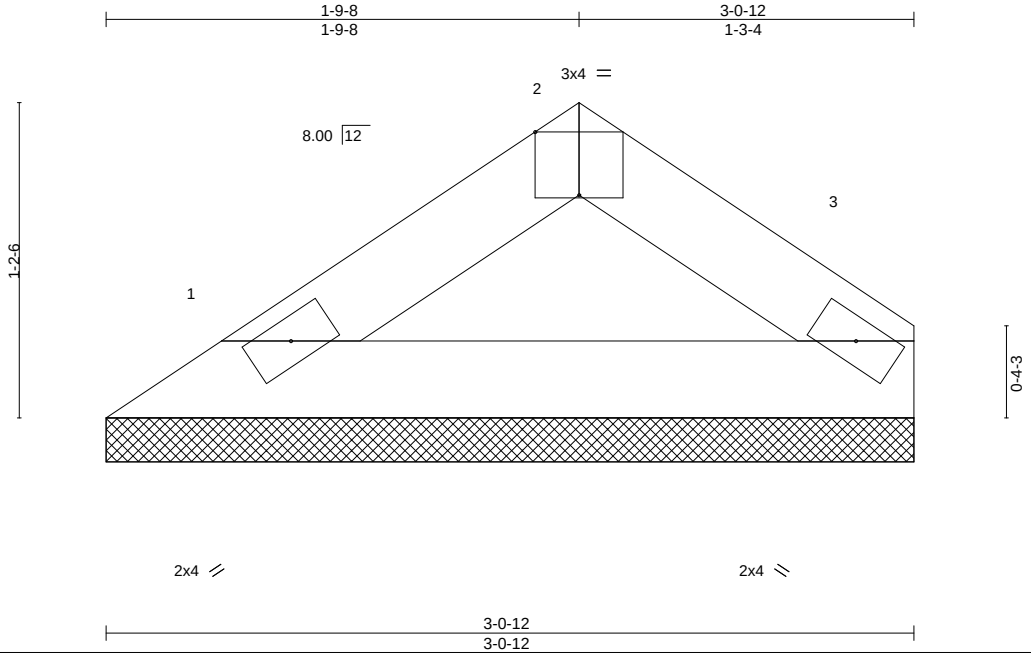

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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=17(LC 9)
Max Uplift 1=-3(LC 12), 3=-1(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=115mph (3-second gust) Vasd=91mph; 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.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V14	GABLE	1	1	I43400284
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:55 2020 Page 1
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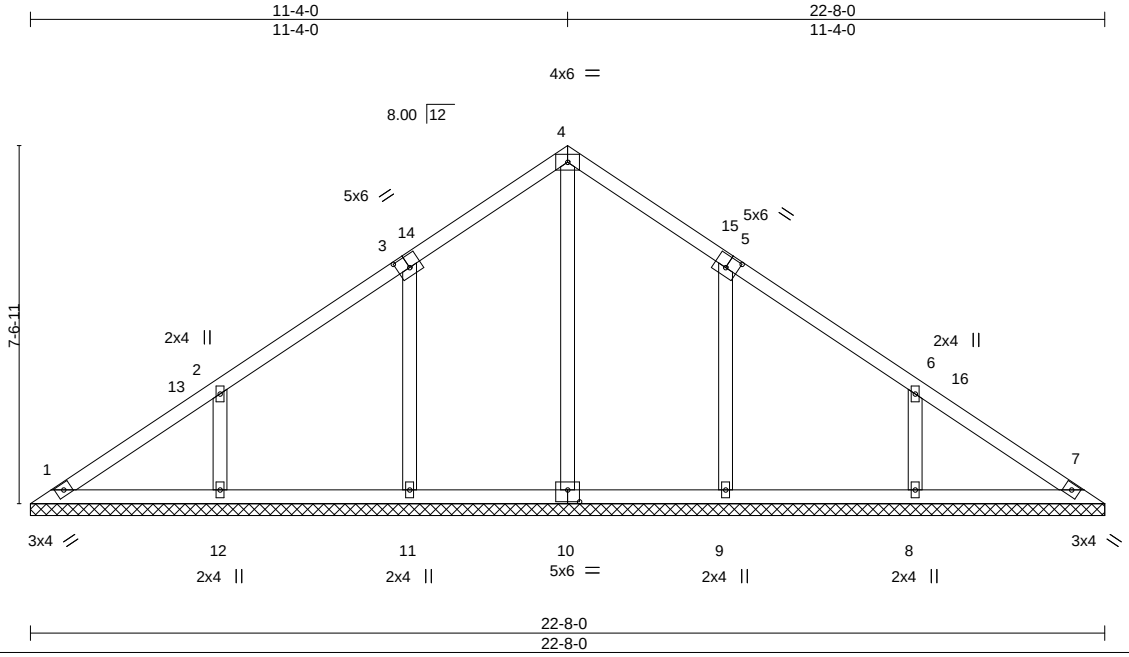

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [10:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 103 lb	FT = 20%

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

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

REACTIONS. All bearings 22-8-0.
(lb) - Max Horz 1=143(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 9, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=337(LC 22), 8=340(LC 20), 9=356(LC 20), 12=340(LC 19), 11=356(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-253/131, 2-12=-253/130

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 11-4-0, Exterior(2) 11-4-0 to 14-4-0, Interior(1) 14-4-0 to 22-2-4 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V15	GABLE	1	1	I43400285
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:56 2020 Page 1
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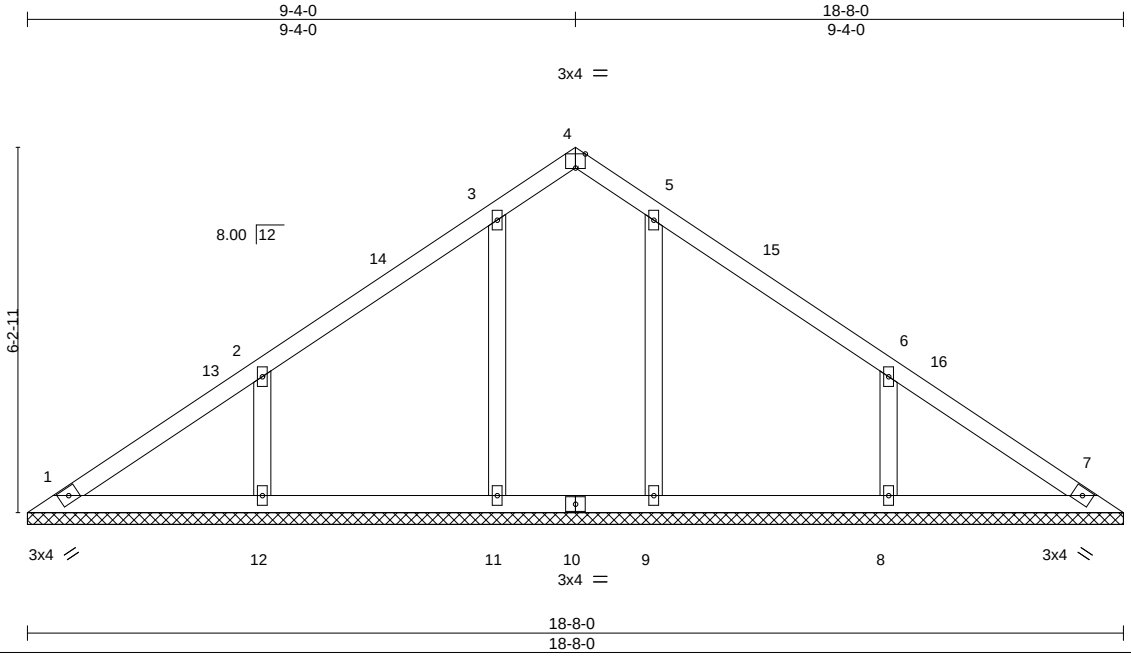

Plate Offsets (X,Y)-- [4:0-2-0,Edge]

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	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 80 lb	FT = 20%

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

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

REACTIONS. All bearings 18-8-0.
(lb) - Max Horz 1=-116(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 8=354(LC 20), 9=303(LC 20), 12=353(LC 19), 11=310(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-265/140, 2-12=-264/139

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 9-4-0, Exterior(2) 9-4-0 to 12-4-0, Interior(1) 12-4-0 to 18-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V16	GABLE	1	1	I43400286
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:57 2020 Page 1
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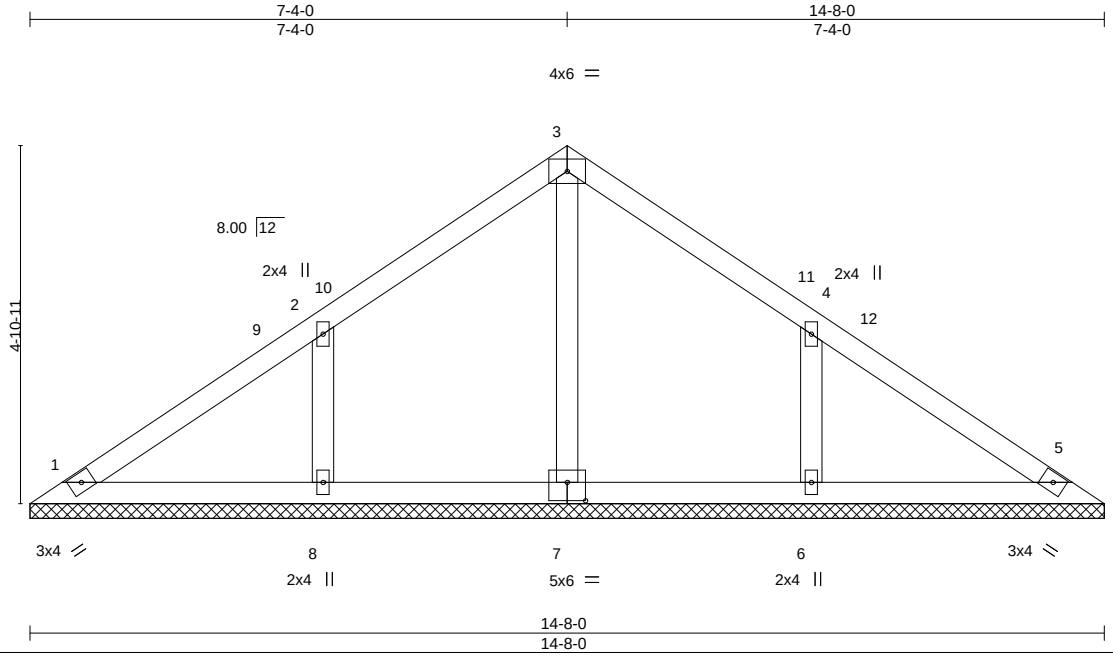


Plate Offsets (X,Y)-- [7:0-3-0,0-3-0]

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	0.30	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	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 59 lb	FT = 20%

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

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

REACTIONS. All bearings 14-8-0.
(lb) - Max Horz 1=-90(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=336(LC 20), 8=336(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-250/129, 2-8=-250/129

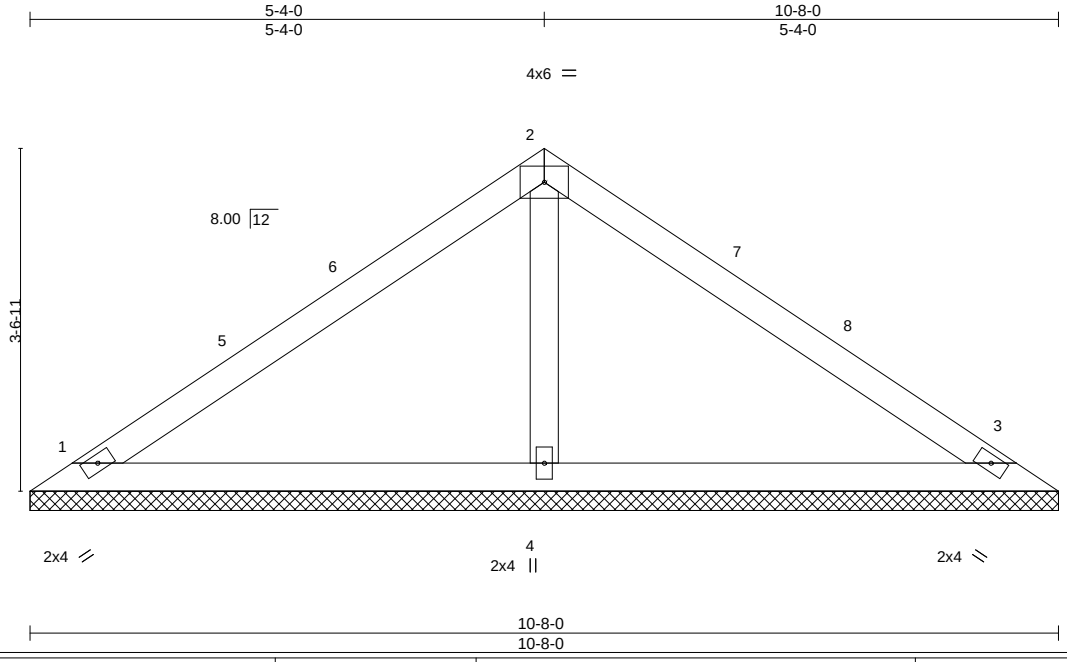
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 7-4-0, Exterior(2) 7-4-0 to 10-4-0, Interior(1) 10-4-0 to 14-2-4 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.

October 29,2020

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

Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V17	GABLE	1	1	I43400287
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:58 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-JD_LHYFZLrszW2EwqBWqxCr664aKTMMFayFx1QyOrod



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	0.57	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

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

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

REACTIONS. (size) 1=10-8-0, 3=10-8-0, 4=10-8-0
Max Horz 1=-64(LC 8)
Max Uplift 1=-17(LC 12), 3=-26(LC 13)
Max Grav 1=189(LC 1), 3=189(LC 1), 4=398(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-254/54

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 5-4-0, Exterior(2) 5-4-0 to 8-4-0, Interior(1) 8-4-0 to 10-2-4 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.

October 29,2020

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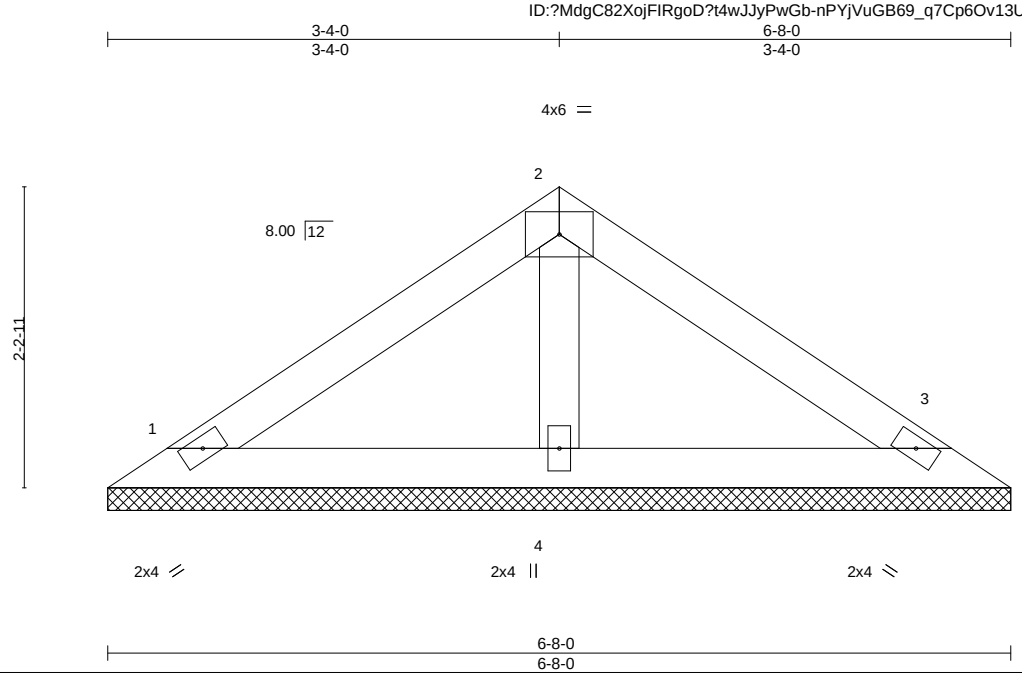
Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V18	GABLE	1	1	I43400288
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:59 2020 Page 1
ID:?MdgC82XojFIRgoD?t4wJJyPwGb-nPYjVuGB69_q7Cp6Ov13UQOMqU_cCqBOoc_VZsyOroc



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	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%

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

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

REACTIONS. (size) 1=6-8-0, 3=6-8-0, 4=6-8-0
Max Horz 1=-37(LC 10)
Max Uplift 1=-15(LC 12), 3=-20(LC 13)
Max Grav 1=122(LC 1), 3=122(LC 1), 4=212(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=115mph (3-second gust) Vasd=91mph; 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.

October 29,2020

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Job	Truss	Truss Type	Qty	Ply	McKee-PorticoBungalow;Lot 1009 CarriageGlen
CG1009-R	V19	GABLE	1	1	I43400289
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Oct 28 14:53:59 2020 Page 1
ID:?MdgC82XojFlRgoD?t4wJJyPwGb-nPYjVuGB69_q7Cp6Ov13UQOPSU0wCqeOoc_VZsyOroc

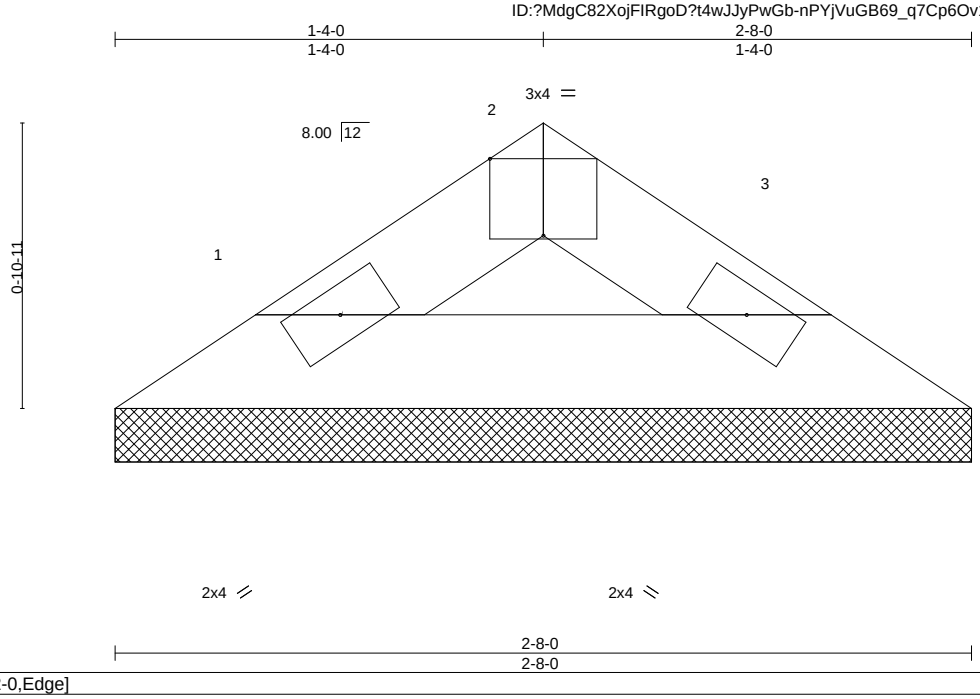

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 7 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-8-0, 3=2-8-0
Max Horz 1=11(LC 9)
Max Uplift 1=-2(LC 12), 3=-2(LC 13)
Max Grav 1=68(LC 1), 3=68(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=115mph (3-second gust) Vasd=91mph; 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.

October 29,2020

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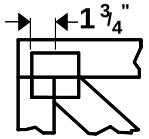
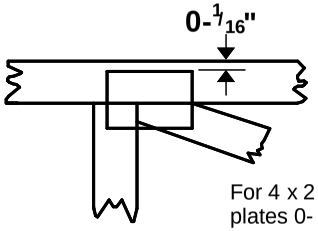
Symbols

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.

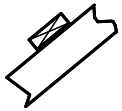
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

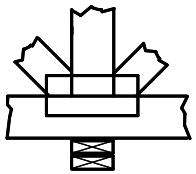
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

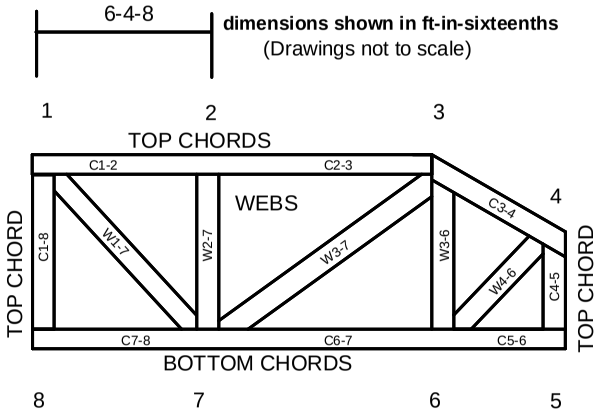


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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