ENGINEERING BY TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: AC1071
MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK

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: I44764777 thru I44764814

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

North Carolina COA: C-0844

February 11,2021

Sevier, Scott

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A01G	GABLE	99	1	I44764777
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:25 2021 Page 1
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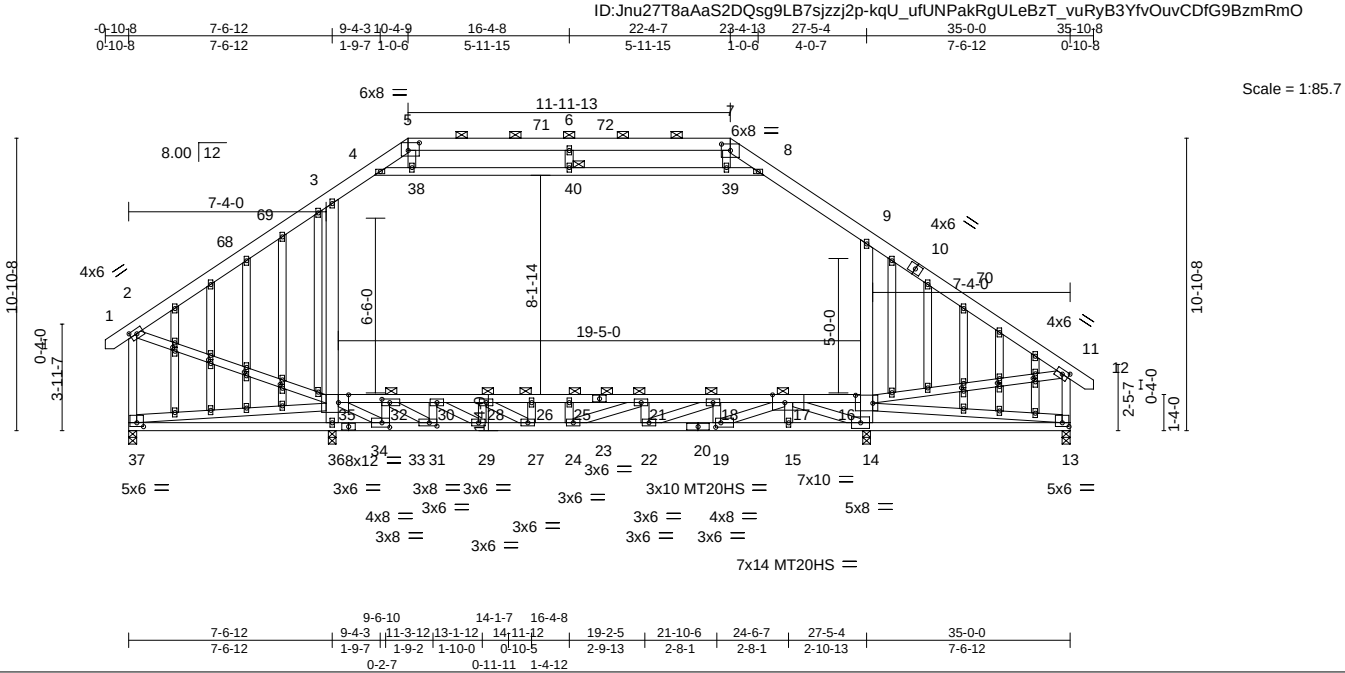

Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [5:0-5-0,0-3-8], [7:0-4-0,0-2-13], [11:0-2-14,0-2-0], [13:0-3-0,0-1-12], [16:0-7-12,0-3-8], [17:0-5-8,Edge], [19:0-2-4,0-2-0], [31:0-3-8,0-1-8], [32:0-3-8,0-1-8], [33:0-3-8,0-2-0], [35:0-4-8,Edge], [37:0-3-0,0-1-12], [43:0-1-11,0-1-0], [46:0-1-11,0-1-0], [49:0-1-11,0-1-0], [52:0-1-11,0-1-0], [61:0-1-9,0-1-0], [64:0-1-9,0-1-0], [67:0-1-9,0-1-0]

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	0.59	Vert(LL)	-0.32	21-25	>757	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.49	21-25	>484	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	-0.01	27	>999	240	Weight: 389 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
20-34: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
4-8,2-37,11-13: 2x4 SP No.2, 3-36,9-14: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-10 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
2-8-0 oc bracing: 21-25
2-11-0 oc bracing: 18-21
3-1-0 oc bracing: 25-28
3-8-0 oc bracing: 17-18
3-10-0 oc bracing: 28-32
10-0-0 oc bracing: 32-35, 16-17
JOINTS 1 Brace at Jt(s): 25, 18, 21, 17, 32, 28, 40

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 37=-324(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 13 except 37=-214(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 13=861(LC 25), 37=1019(LC 1), 36=1699(LC 20), 14=1846(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1058/263, 3-4=-1005/235, 4-5=-1344/407, 7-8=-1320/396, 8-9=-1085/217, 9-11=-1062/165, 2-37=-1035/173, 11-13=-877/122, 5-6=-1222/391, 6-7=-1222/391
BOT CHORD 36-37=-1870/0, 33-36=-1846/0, 29-31=0/1503, 27-29=0/2633, 24-27=0/3625, 22-24=0/3738, 19-22=0/2728, 15-19=0/840, 14-15=0/840, 13-14=-1786/0, 32-35=0/718, 30-32=-1033/69, 28-30=-2163/0, 26-28=-3156/0, 25-26=-3156/0, 21-25=-3156/0, 18-21=-3268/0, 17-18=-2258/0, 16-17=0/2467
WEBS 4-38=-281/454, 38-40=-284/491, 39-40=-284/491, 8-39=-280/458, 35-36=-1460/10, 3-35=-474/278, 14-16=-750/246, 9-16=-553/313, 18-19=-662/0, 21-22=-309/0, 18-22=0/1084, 17-19=0/2026, 14-17=-3015/0, 35-37=0/1897, 2-35=-251/809, 13-16=0/1821, 11-16=-157/740, 26-27=-325/0, 32-33=-1155/0, 30-31=-837/0, 28-29=-701/0, 33-35=0/2085, 31-32=0/1806, 29-30=0/1300, 27-28=0/1141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 4-1-1, Interior(1) 4-1-1 to 10-4-9, Exterior(2) 10-4-9 to 15-2-3, Interior(1) 15-2-3 to 22-4-7, Exterior(2) 22-4-7 to 27-5-4, Interior(1) 27-5-4 to 35-8-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.

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NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER
Scott Sevier
February 11,2021

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818 Soundside Road
Edenton, NC 27932

NOTES-

6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-38, 38-40, 39-40, 8-39; Wall dead load (5.0psf) on member(s).3-35, 9-16
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 32-35, 30-32, 28-30, 26-28, 25-26, 21-25, 18-21, 17-18, 16-17
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 37=214.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A03	ATTIC	99	1	I44764778
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:27 2021 Page 1
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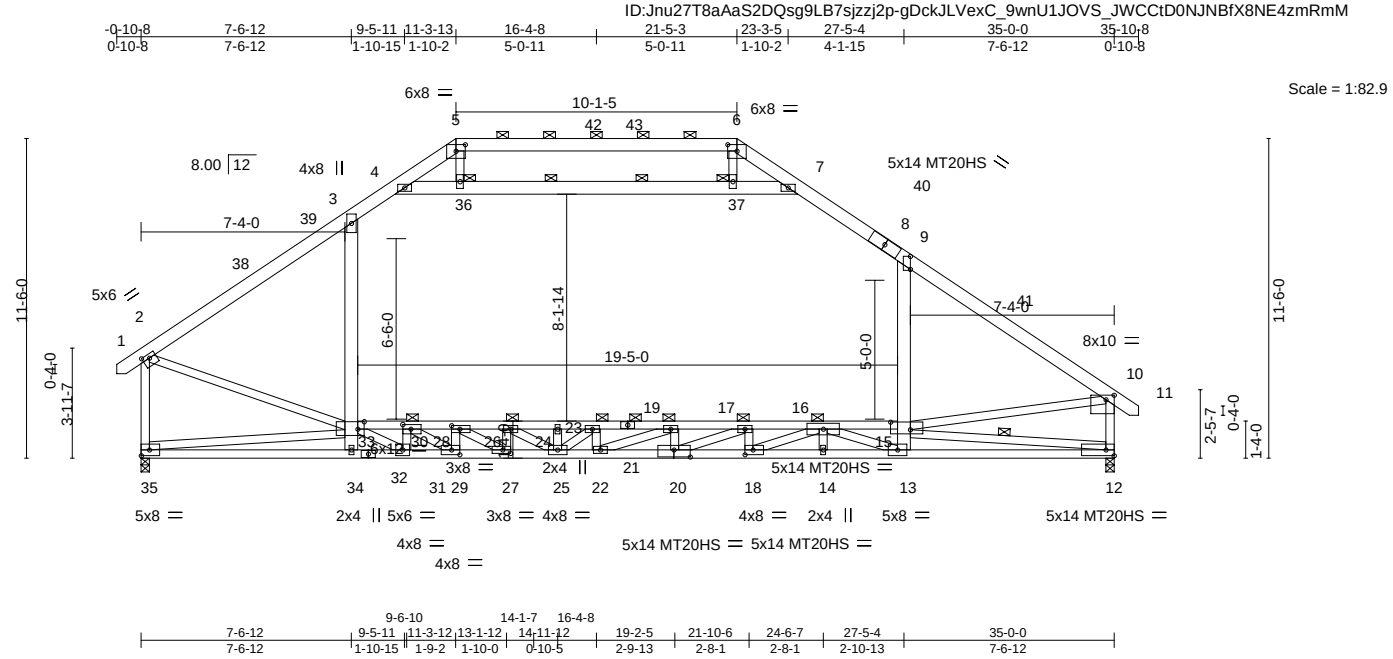

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-4-0,0-2-13], [6:0-4-0,0-2-13], [9:0-5-9,0-0-0], [10:0-3-8,0-2-0], [15:0-8-8,0-3-4], [18:0-3-8,0-2-0], [20:0-7-0,0-3-0], [27:0-3-8,0-1-8], [28:0-3-8,0-1-8], [29:0-3-8,0-2-0], [30:0-3-8,0-2-0], [33:0-2-12,0-3-4]

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	0.94	Vert(LL)	-0.50	19-23	>827	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.87	19	>478	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.07	12	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.17	13-14	>999	240	Weight: 339 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP DSS *Except*
5-6: 2x6 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
12-20: 2x4 SP No.1, 20-32: 2x4 SP SS
WEBS 2x4 SP No.3 *Except*
4-7,3-34,9-13: 2x6 SP No.2, 2-35,31-33: 2x4 SP No.2
10-12: 2x4 SP No.1

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
2-11-0 oc bracing: 19-23, 17-19
3-5-0 oc bracing: 23-26, 16-17
4-5-0 oc bracing: 26-30
6-0-0 oc bracing: 15-16
10-0-0 oc bracing: 30-33
WEBS 1 Row at midpt 12-15
2 Rows at 1/3 pts 36-37
JOINTS 1 Brace at Jt(s): 23, 17, 19, 16, 36, 37, 30, 26

REACTIONS. (size) 12=0-3-8, 35=0-3-8
Max Horz 35=-339(LC 10)
Max Grav 12=2294(LC 2), 35=2303(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2650/0, 3-4=-2038/61, 4-5=-562/504, 6-7=-620/415, 7-9=-2171/50, 9-10=-2770/0, 2-35=-2387/0, 10-12=-2135/0, 5-6=-391/576
BOT CHORD 34-35=-1560/545, 31-34=-1861/568, 29-31=-530/1031, 27-29=-7/2399, 25-27=0/3579, 22-25=0/4995, 20-22=0/5146, 18-20=0/4416, 14-18=0/3123, 13-14=0/3123, 12-13=-554/1398, 30-33=-300/1911, 28-30=-550/883, 26-28=-1649/181, 24-26=-2577/0, 23-24=-2577/0, 19-23=-3064/0, 17-19=-3222/0, 16-17=-2485/0, 15-16=-434/1992
WEBS 4-36=-2502/0, 36-37=-2507/0, 7-37=-2532/0, 33-34=0/366, 3-33=0/1073, 13-15=0/1140, 9-15=0/1037, 17-18=-573/0, 19-22=-385/202, 17-20=-27/790, 16-18=0/1796, 13-16=-2774/0, 6-37=0/270, 33-35=-222/1446, 2-33=0/2146, 12-15=-1238/547, 10-15=0/1914, 31-33=0/2335, 30-31=-1236/0, 28-29=-942/0, 26-27=-736/0, 29-30=0/1950, 27-28=0/1543, 25-26=0/1089, 23-25=-672/17

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 4-1-1, Interior(1) 4-1-1 to 11-3-13, Exterior(2) 11-3-13 to 16-1-7, Interior(1) 16-1-7 to 21-5-3, Exterior(2) 21-5-3 to 26-2-12, Interior(1) 26-2-12 to 35-8-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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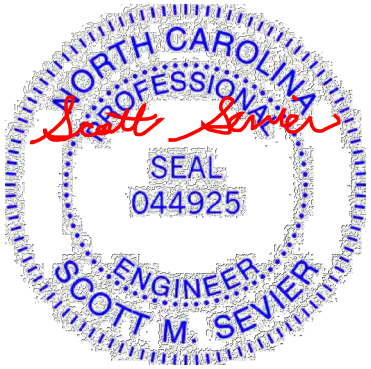

February 11,2021

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Edenton, NC 27932

NOTES-

8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-9, 4-36, 36-37, 7-37; Wall dead load (5.0psf) on member(s).3-33, 9-15
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 30-33, 28-30, 26-28, 24-26, 23-24, 19-23, 17-19, 16-17, 15-16
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A04	ATTIC	99	1	I44764779
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:30 2021 Page 1
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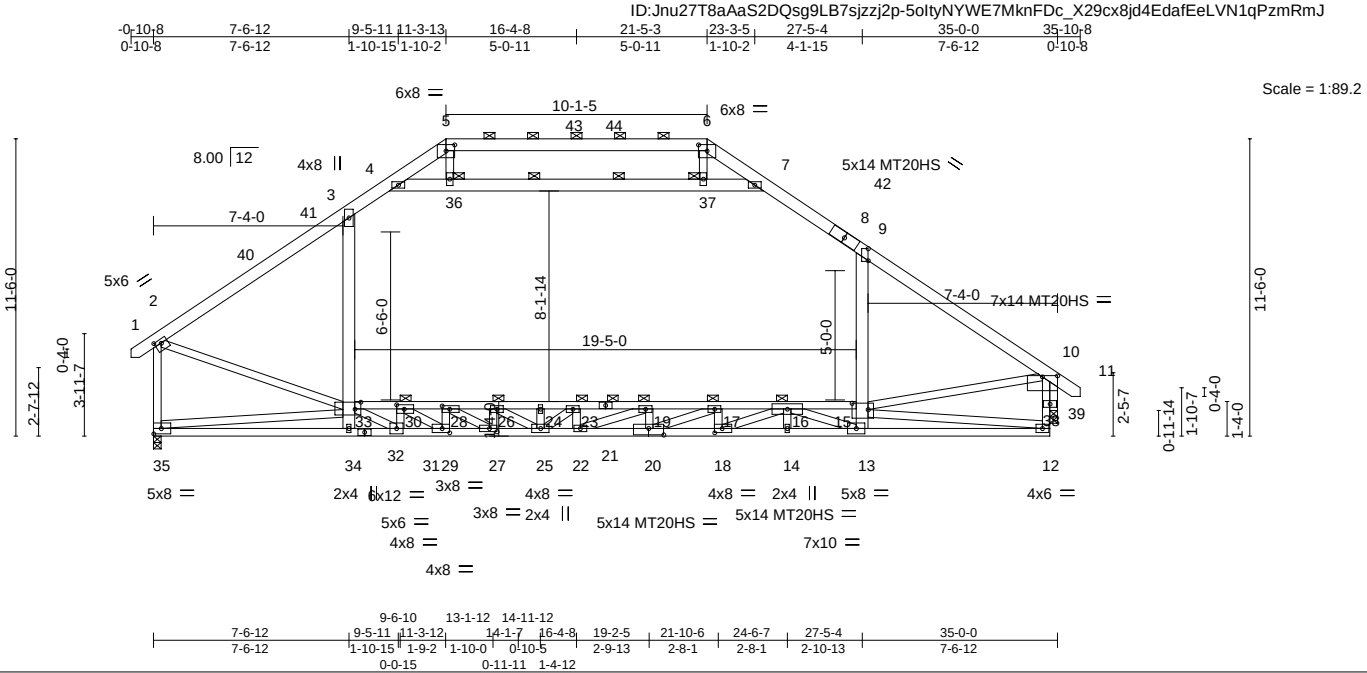

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-4-0,0-2-13], [6:0-4-0,0-2-13], [9:0-5-9,0-0-0], [10:0-7-0,0-0-8], [15:0-7-8,0-3-0], [18:0-3-8,0-2-0], [20:0-7-0,0-3-0], [27:0-3-8,0-1-8], [28:0-3-8,0-1-8], [29:0-3-8,0-2-0], [30:0-3-8,0-2-0], [33:0-2-12,0-3-4]

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	0.93	Vert(LL)	-0.50	19-23	>833	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.86	19-23	>483	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.06	39	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.16	13-14	>999	240	Weight: 340 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP DSS *Except*
	5-6: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	12-20: 2x4 SP No.1, 20-32: 2x4 SP SS
WEBS	2x4 SP No.3 *Except*
	4-7,3-34,9-13: 2x6 SP No.2, 2-35,31-33,10-12: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
	2-11-0 oc bracing: 19-23, 17-19
	3-5-0 oc bracing: 23-26, 16-17
	4-5-0 oc bracing: 26-30
	6-0-0 oc bracing: 15-16
	10-0-0 oc bracing: 30-33
WEBS	2 Rows at 1/3 pts 36-37
JOINTS	1 Brace at Jt(s): 23, 17, 19, 16, 36, 37, 30, 26

REACTIONS. (size) 35=0-3-8, 39=0-3-8
Max Horz 35=-328(LC 10)
Max Grav 35=2303(LC 2), 39=2289(LC 2)

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

TOP CHORD	2-3=-2647/0, 3-4=-2036/60, 4-5=-570/504, 6-7=-625/412, 7-9=-2167/46, 9-10=-2768/0, 2-35=-2384/0, 5-6=-399/567
BOT CHORD	34-35=-1518/523, 31-34=-1816/545, 29-31=-505/1038, 27-29=0/2405, 25-27=0/3587, 22-25=0/4998, 20-22=0/5146, 18-20=0/4411, 14-18=0/3123, 13-14=0/3123, 12-13=-553/1403, 30-33=-305/1894, 28-30=-557/864, 26-28=-1659/164, 24-26=-2585/0, 23-24=-2585/0, 19-23=-3070/0, 17-19=-3224/0, 16-17=-2483/0, 15-16=-405/2006
WEBS	4-36=-2491/0, 36-37=-2495/0, 7-37=-2520/0, 33-34=0/365, 3-33=0/1070, 13-15=0/1137, 9-15=0/1059, 17-18=-575/0, 19-22=-377/199, 17-20=-22/795, 16-18=0/1797, 13-16=-2792/0, 6-37=0/266, 33-35=-227/1428, 2-33=0/2144, 12-15=-1016/596, 10-15=0/1616, 31-33=0/2332, 30-31=-1234/0, 28-29=-941/0, 26-27=-735/0, 29-30=0/1947, 27-28=0/1540, 25-26=0/1084, 23-25=-667/15, 10-39=-2365/0

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 4-1-1, Interior(1) 4-1-1 to 11-3-13, Exterior(2) 11-3-13 to 16-1-7, Interior(1) 16-1-7 to 21-5-3, Exterior(2) 21-5-3 to 26-2-12, Interior(1) 26-2-12 to 35-8-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-9, 4-36, 36-37, 7-37; Wall dead load (5.0psf) on member(s).3-33, 9-15

Continued on page 2

February 11,2021

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NOTES-

9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 30-33, 28-30, 26-28, 24-26, 23-24, 19-23, 17-19, 16-17, 15-16
10) Bearing at joint(s) 39 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A04GR	ATTIC	99	3	I44764780

Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:33 2021 Page 1

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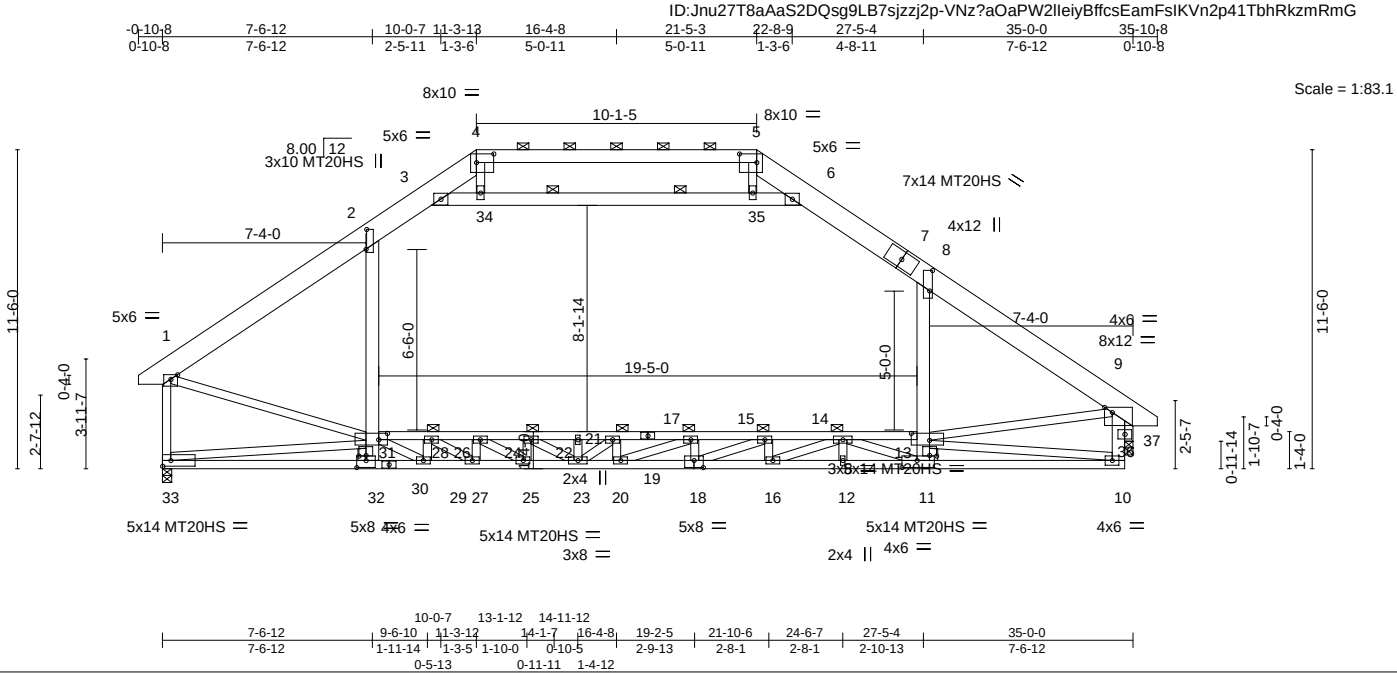

Plate Offsets (X,Y)-- [2:0-8-9,0-0-4], [4:0-7-8,0-3-12], [5:0-7-8,0-3-12], [8:0-8-13,0-1-4], [9:0-3-4,0-2-4], [11:0-6-8,0-3-0], [13:0-8-0,0-3-0], [13:0-3-0,0-0-4], [18:0-4-0,0-3-0], [31:0-3-0,0-0-4], [31:0-3-12,0-2-12], [32:0-4-0,0-3-0], [32:0-2-12,0-0-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.23	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.43	15	>978	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.06	37	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.17	11-12	>999	240	Weight: 1163 lb	FT = 20%

LUMBER-

TOP CHORD 2x10 SP DSS *Except* 4-5: 2x6 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3 *Except* 3-6,2-32,8-11,9-10: 2x6 SP No.2, 1-33,1-31,29-31: 2x4 SP No.2

OTHERS 2x4 SP No.3 *Except* 9-36: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 4-5.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 29-32.

WEBS 2 Rows at 1/3 pts 3-6

JOINTS 1 Brace at Jt(s): 21, 15, 17, 14, 28, 24

REACTIONS. (size) 33=0-4-0, 37=0-3-9
Max Horz 33=-310(LC 6)
Max Uplift 33=-899(LC 8), 37=-922(LC 9)
Max Grav 33=8645(LC 16), 37=8550(LC 16)

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED AT JOINTS 11 AND 32 FOR LOAD REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.25"x 4.5" SCREWS OR OTHER FASTENERS THAT PENETRATES ALL PLIES, PER HANGER MANUFACTURER SPECIFICATIONS.

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

TOP CHORD 1-2=-9740/977, 2-3=-6725/745, 3-4=-299/2607, 5-6=-246/1877, 6-8=-7073/743, 8-9=-10529/995, 1-33=-8395/812, 10-36=-158/644, 9-36=-158/644, 4-5=-342/3493

BOT CHORD 32-33=-1285/1970, 29-32=-1229/858, 27-29=-795/2206, 25-27=-349/3813, 23-25=0/5173, 20-23=0/6949, 18-20=0/7416, 16-18=-110/7200, 12-16=-734/6186, 11-12=-734/6186, 10-11=-1491/5701, 28-31=-768/6230, 26-28=-992/4518, 24-26=-1113/3591, 22-24=-1128/2682, 21-22=-1128/2682, 17-21=-1115/2263, 15-17=-1218/1768, 14-15=-1107/1670, 13-14=-291/3992

WEBS 3-34=-11472/1244, 34-35=-11458/1241, 6-35=-11618/1241, 31-32=-999/6678, 2-31=-558/5348, 11-13=-823/7255, 8-13=-657/6098, 20-21=-63/278, 15-16=-464/22, 17-20=-692/257, 15-18=-418/483, 14-16=0/1528, 11-14=-2393/0, 4-34=-25/260, 5-35=-101/1308, 31-33=-1902/1036, 1-31=-757/7956, 10-13=-3714/1287, 9-13=-551/5669, 29-31=0/2789, 28-29=-1366/0, 26-27=-1080/0, 24-25=-901/0, 27-28=0/2173, 25-26=0/1807, 23-24=0/1490, 21-23=-803/42, 9-37=-8947/968

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: 2x10 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x4 - 2 rows staggered at 0-4-0 oc.
   Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row 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=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

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

NOTES-

6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 3x6 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). 2-3, 6-8, 3-34, 34-35, 6-35; Wall dead load (5.0psf) on member(s).2-31, 8-13
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-31, 26-28, 24-26, 22-24, 21-22, 17-21, 15-17, 14-15, 13-14
13) Bearing at joint(s) 37 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 33=899, 37=922.
15) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6457 lb down and 1096 lb up at 7-9-8, and 6457 lb down and 1096 lb up at 27-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
18) 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: 10-33=-20, 1-2=-60, 2-3=-70, 3-4=-60, 5-6=-60, 6-8=-70, 8-9=-60, 3-6=-10, 13-31=-30, 4-5=-60
   Drag: 2-31=-10, 8-13=-10
   Concentrated Loads (lb)
   Vert: 32=-5705(F) 11=-5705(F)

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A05	MONO TRUSS	99	1	I44764781
					Job Reference (optional)

Builders FirstSource, Apex, NC 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:40:33 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-FSSaVewebnbqnMukY8S?se93lbkCB6_ucpLwAOzmRfi

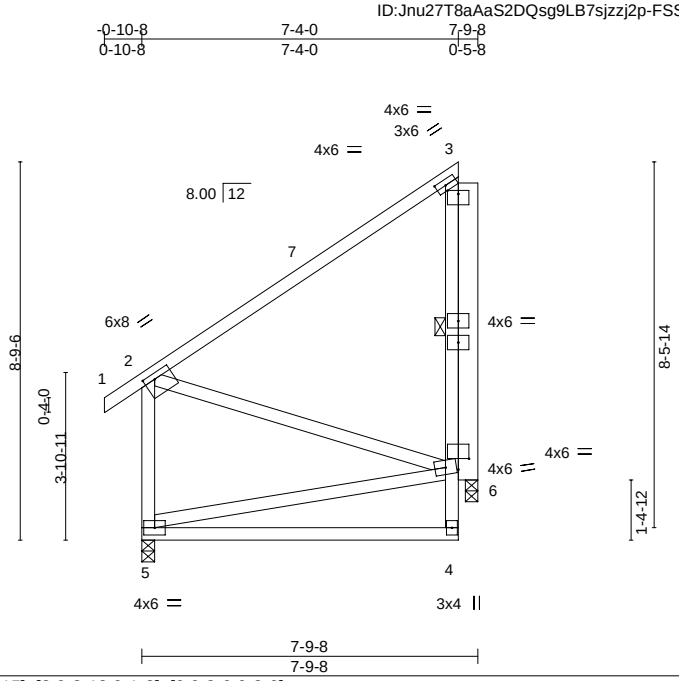

Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-3-0,0-0-15], [3:0-2-12,0-1-8], [6:0-3-0,0-3-0]

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	0.75	Vert(LL)	-0.09	4-5	>994	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.17	4-5	>505	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.01	4-5	>999	240	Weight: 80 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	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. Except: 6-0-0 oc bracing: 3-4

REACTIONS. (size) 5=0-3-8, 6=0-3-8
Max Horz 5=192(LC 9)
Max Uplift 6=-367(LC 12)
Max Grav 5=346(LC 1), 6=1278(LC 19)

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

TOP CHORD	2-5=-280/42
BOT CHORD	3-6=-1141/333
WEBS	2-6=-294/315, 5-6=-352/267

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-6 to 3-11-4, Interior(1) 3-11-4 to 7-2-4 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) 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) All bearings are assumed to be User Defined crushing capacity of 565 psi.
6) 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 6.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 934 lb down and 181 lb up at 7-9-0 on top 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: 4-5=-20, 1-2=-60, 2-3=-60
   Concentrated Loads (lb)
   Vert: 3=-825

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A05A	MONO TRUSS	99	1	I44764782
					Job Reference (optional)

Builders FirstSource, Apex, NC 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:40:58 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-0GT1lBEKiSlGHCIXWuPtNviLHgHdYR7aMCukZRzmRfJ

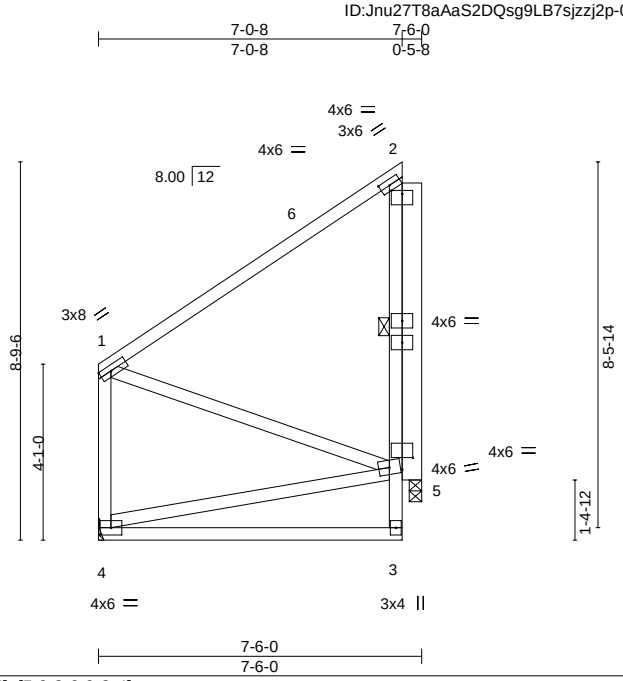

Plate Offsets (X,Y)-- [2:0-2-12,0-1-8], [2:0-3-0,0-0-15], [5:0-3-0,0-3-4]

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	0.69	Vert(LL)	-0.07	3-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.14	3-4	>565	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.01	3-4	>999	240	Weight: 77 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	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. Except: 6-0-0 oc bracing: 2-3

REACTIONS. (size) 4=Mechanical, 5=0-3-8
Max Horz 4=181(LC 9)
Max Uplift 5=-356(LC 12)
Max Grav 4=270(LC 1), 5=1272(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-5=-1144/338
WEBS 1-5=-251/279, 4-5=-314/230

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 5-2-14, Interior(1) 5-2-14 to 7-2-4 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) 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) All bearings are assumed to be User Defined crushing capacity of 565 psi.
6) Refer to girder(s) for truss to truss connections.
7) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 356 lb uplift at joint 5.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 934 lb down and 183 lb up at 7-9-0 on top 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: 3-4=-20, 1-2=-60
Concentrated Loads (lb)
Vert: 2=-825

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A06GR	ATTIC	99	3	I44764783
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:37 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-O8DWQmdvaGFk7KFyuVgoOPxx4veDjpEgy5ZvaVzmRmC

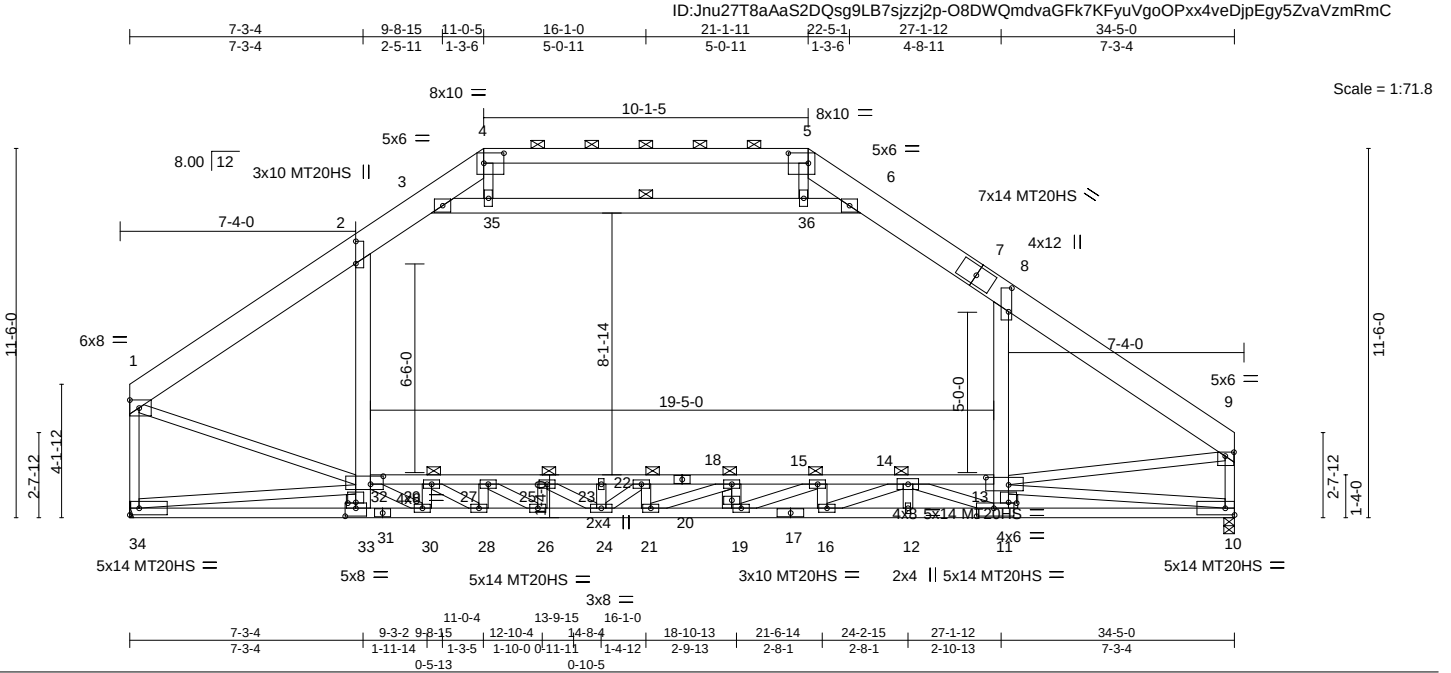

Plate Offsets (X,Y)-- [2:0-8-5,0-0-0], [4:0-7-8,0-3-12], [5:0-7-8,0-3-12], [8:0-8-13,0-1-4], [9:0-3-4,0-1-8], [11:0-6-8,0-3-0], [13:0-8-8,0-2-12], [13:0-3-0,0-0-4], [32:0-4-12,0-3-0], [32:0-3-0,0-0-4], [33:0-2-12,0-0-0], [33:0-4-0,0-3-0]

LOADING (psf)		SPACING-	1-7-12	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.24	15-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-0.45	15-18	>909	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.18	12	>999	240	Weight: 1131 lb	FT = 20%

LUMBER-

TOP CHORD	2x10 SP DSS *Except* 4-5: 2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 3-6,2-33,8-11: 2x6 SP No.2, 1-34,1-32,9-13,30-32,9-10: 2x4 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, and 2-0-0 oc purlins (10-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 33-34,30-33.
WEBS	1 Row at midpt 3-6
JOINTS	1 Brace at Jt(s): 22, 15, 18, 14, 29, 25

REACTIONS. (size) 10=0-4-0, 34=Mechanical
Max Horz 34=-267(LC 4)
Max Uplift 10=-1019(LC 9), 34=-985(LC 8)
Max Grav 10=8560(LC 16), 34=8548(LC 16)

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED AT JOINTS 11 AND 33 FOR LOAD REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.25"x 4.5" SCREWS OR OTHER FASTENERS THAT PENETRATES ALL PLIES, PER HANGER MANUFACTURER SPECIFICATIONS.

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

TOP CHORD	1-2=-9451/1070, 2-3=-6510/791, 3-4=-336/2656, 5-6=-279/1966, 6-8=-6829/795, 8-9=-10157/1094, 1-34=-8421/923, 4-5=-400/3541, 9-10=-7892/865
BOT CHORD	33-34=-998/1132, 30-33=-1681/228, 28-30=-628/1491, 26-28=-356/3362, 24-26=-165/5062, 21-24=-23/7530, 19-21=-217/8669, 16-19=-428/7758, 12-16=-785/6024, 11-12=-785/6024, 10-11=-1285/4890, 29-32=-889/6617, 27-29=-978/4665, 25-27=-977/3300, 23-25=-888/2031, 22-23=-888/2031, 18-22=-805/1258, 15-18=-1483/152, 14-15=-796/758, 13-14=-440/4462
WEBS	3-35=-11303/1366, 35-36=-11289/1362, 6-36=-11442/1367, 32-33=-1029/6691, 2-32=-623/5301, 11-13=-929/7466, 8-13=-722/5910, 21-22=-108/531, 15-16=-675/0, 18-19=-175/447, 18-21=-1347/355, 15-19=-43/1037, 14-16=0/2125, 11-14=-2852/0, 5-36=-115/1250, 32-34=-1079/778, 1-32=-859/7848, 10-13=-4588/1268, 9-13=-786/7376, 30-32=0/2902, 29-30=-1426/0, 27-28=-1178/0, 25-26=-1035/19, 28-29=0/2351, 26-27=-1/2077, 24-25=-103/1878, 22-24=-1222/138

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: 2x10 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x4 - 2 rows staggered at 0-4-0 oc.
   Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row 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=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) Provide adequate drainage to prevent water ponding.

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NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER

February 11,2021

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

NOTES-

7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 3x6 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). 2-3, 6-8, 3-35, 35-36, 6-36; Wall dead load (5.0psf) on member(s).2-32, 8-13
12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 29-32, 27-29, 25-27, 23-25, 22-23, 18-22, 15-18, 14-15, 13-14
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) 10=1019, 34=985.
15) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
16) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6457 lb down and 1096 lb up at 7-9-8, and 6457 lb down and 1096 lb up at 27-2-8, and 687 lb down and 117 lb up at 18-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
18) 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: 10-34=-16, 1-2=-49, 2-3=-58, 3-4=-49, 5-6=-49, 6-8=-58, 8-9=-49, 3-6=-8, 13-32=-25, 4-5=-49
   Drag: 2-32=-8, 8-13=-8
   Concentrated Loads (lb)
   Vert: 33=-5705(F) 11=-5705(F) 19=-607(F)

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A08	ATTIC	99	1	I44764784 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:39 2021 Page 1
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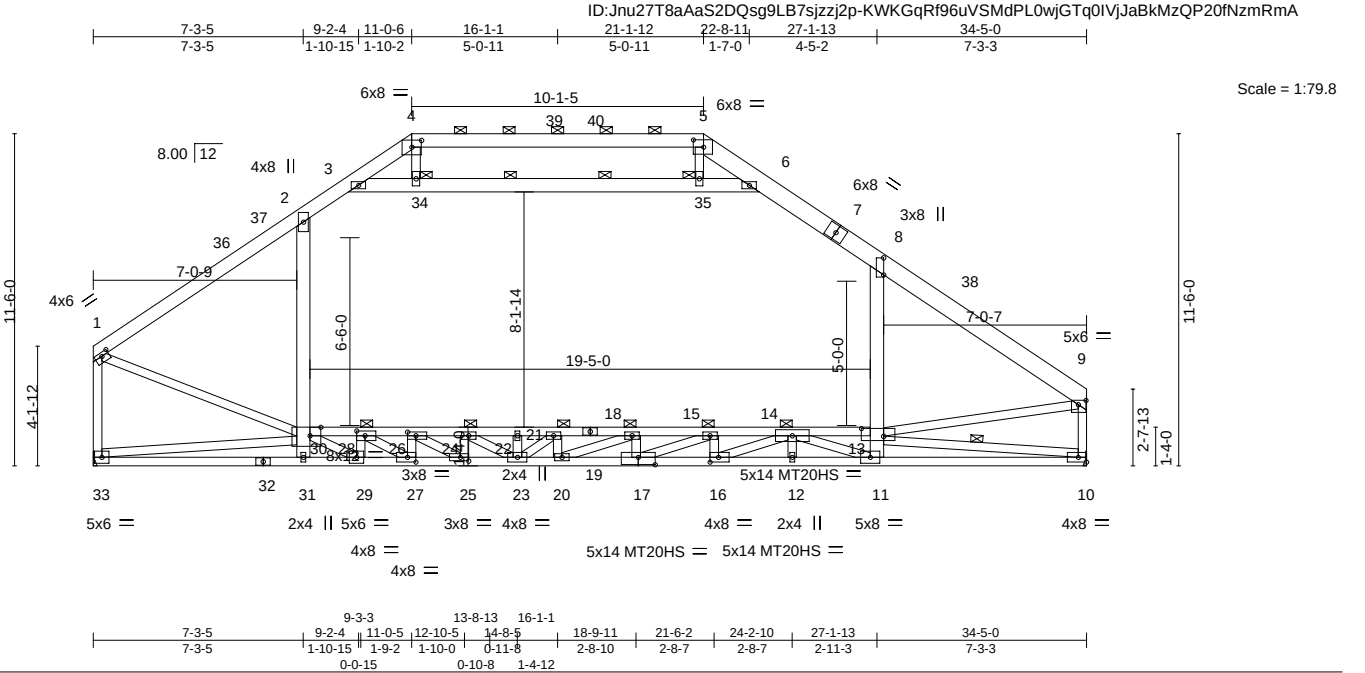

Plate Offsets (X,Y)-- [1:0-3-0,0-1-8], [4:0-4-0,0-2-13], [5:0-4-4,0-3-0], [8:0-7-1,0-0-0], [9:0-3-4,0-1-12], [13:0-9-4,0-3-4], [16:0-3-8,0-2-0], [17:0-7-0,0-3-0], [25:0-3-8,0-1-8], [26:0-3-8,0-1-8], [27:0-3-8,0-2-0], [28:0-3-8,0-2-0], [30:0-4-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.41	18-21	>989	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.70	18	>581	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.14	11-12	>999	240	Weight: 343 lb	FT = 20%

LUMBER-

TOP CHORD	2x8 SP DSS *Except* 1-4: 2x6 SP DSS, 4-5: 2x6 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 10-17,17-32: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 3-6,2-31,8-11: 2x6 SP No.2, 1-33,9-10,29-30: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-4-5 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.
WEBS	1 Row at midpt 10-13 2 Rows at 1/3 pts 34-35
JOINTS	1 Brace at Jt(s): 21, 15, 18, 14, 34, 35, 28, 24

REACTIONS. (size) 10=Mechanical, 33=Mechanical
Max Horz 33=-327(LC 8)
Max Grav 10=2231(LC 2), 33=2239(LC 2)

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

TOP CHORD	1-2=-2594/0, 2-3=-2016/57, 3-4=-612/515, 5-6=-648/400, 6-8=-2137/50, 8-9=-2722/0, 1-33=-2367/0, 9-10=-2120/0, 4-5=-436/547
BOT CHORD	31-33=-1768/454, 29-31=-2088/463, 27-29=-561/751, 25-27=-52/2061, 23-25=0/3229, 20-23=0/4606, 17-20=0/4733, 16-17=0/3997, 12-16=-39/2667, 11-12=-39/2667, 10-11=-609/1151, 28-30=-199/2139, 26-28=-448/983, 24-26=-1318/298, 22-24=-2236/0, 21-22=-2236/0, 18-21=-2695/0, 15-18=-2805/0, 14-15=-2086/0, 13-14=-274/2433
WEBS	3-34=-2458/0, 34-35=-2458/0, 6-35=-2483/0, 30-31=0/366, 2-30=0/1034, 11-13=0/1170, 8-13=0/1054, 15-16=-579/0, 18-20=-343/197, 15-17=-10/773, 14-16=0/1832, 11-14=-2830/0, 5-35=0/260, 30-33=-140/1644, 1-30=0/2151, 10-13=-1064/642, 9-13=0/1985, 28-29=-1228/0, 26-27=-929/0, 24-25=-727/0, 27-28=0/1928, 25-26=0/1516, 23-24=0/1069, 21-23=-633/20, 29-30=0/2304

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-3 to 5-2-13, Interior(1) 5-2-13 to 11-3-13, Exterior(2) 11-3-13 to 16-1-7, Interior(1) 16-1-7 to 21-5-3, Exterior(2) 21-5-3 to 26-2-12, Interior(1) 26-2-12 to 34-6-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-8, 3-34, 34-35, 6-35; Wall dead load (5.0psf) on member(s).2-30, 8-13
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-30, 26-28, 24-26, 22-24, 21-22, 18-21, 15-18, 14-15, 13-14
10) Refer to girder(s) for truss to truss connections.

Continued on page 2

February 11,2021

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NOTES-

11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A09	SPECIAL	99	1	I44764785
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:40 2021 Page 1
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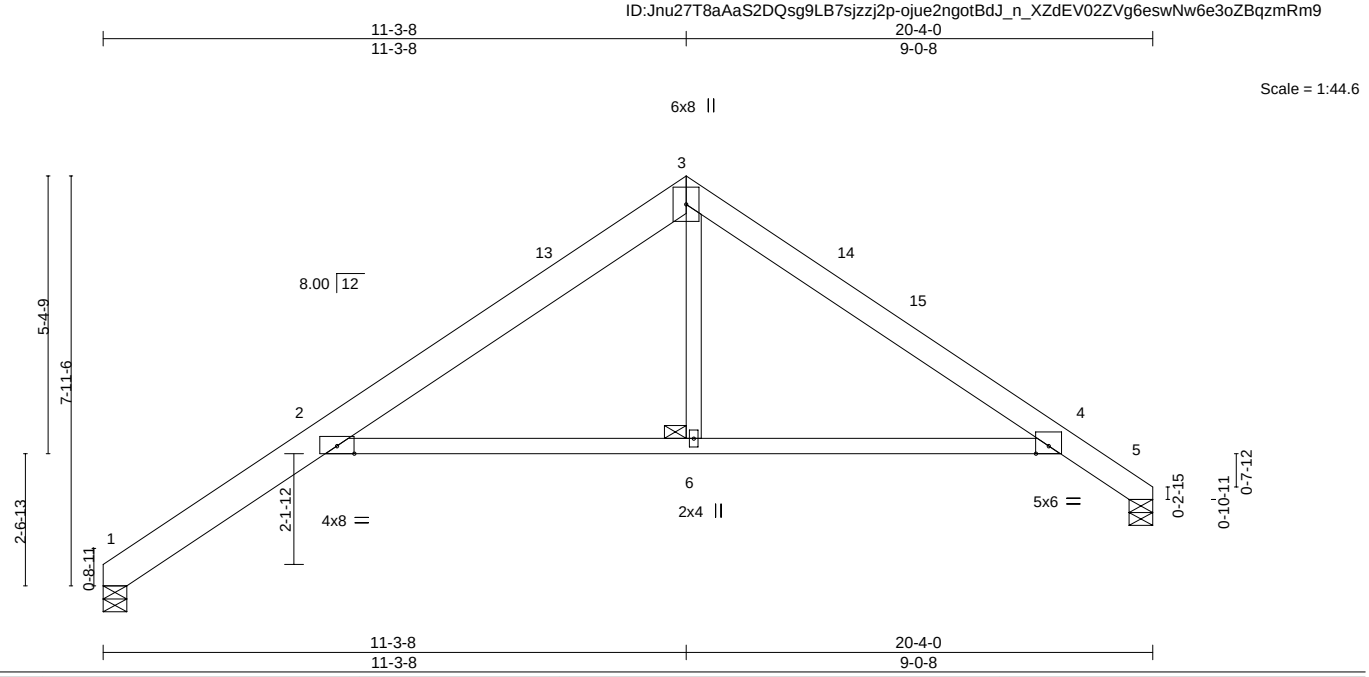

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.39	6-9	>611	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.81	6-9	>295	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.65	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.43	6-9	>559	240	Weight: 96 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 SP DSS *Except*
3-5: 2x6 SP DSS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 6

REACTIONS. (size) 1=0-5-8, 5=0-5-8
Max Horz 1=183(LC 9)
Max Uplift 1=-72(LC 12), 5=-59(LC 13)
Max Grav 1=818(LC 1), 5=805(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-475/135, 2-3=-1034/173, 3-4=-1157/195, 4-5=-439/91
BOT CHORD 2-6=-72/957, 4-6=-70/965
WEBS 3-6=0/365

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 4-8-15, Interior(1) 4-8-15 to 11-3-8, Exterior(2) 11-3-8 to 18-1-3, Interior(1) 18-1-3 to 20-1-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.

February 11,2021

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Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A10G	GABLE	99	1	I44764786 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:45 2021 Page 1
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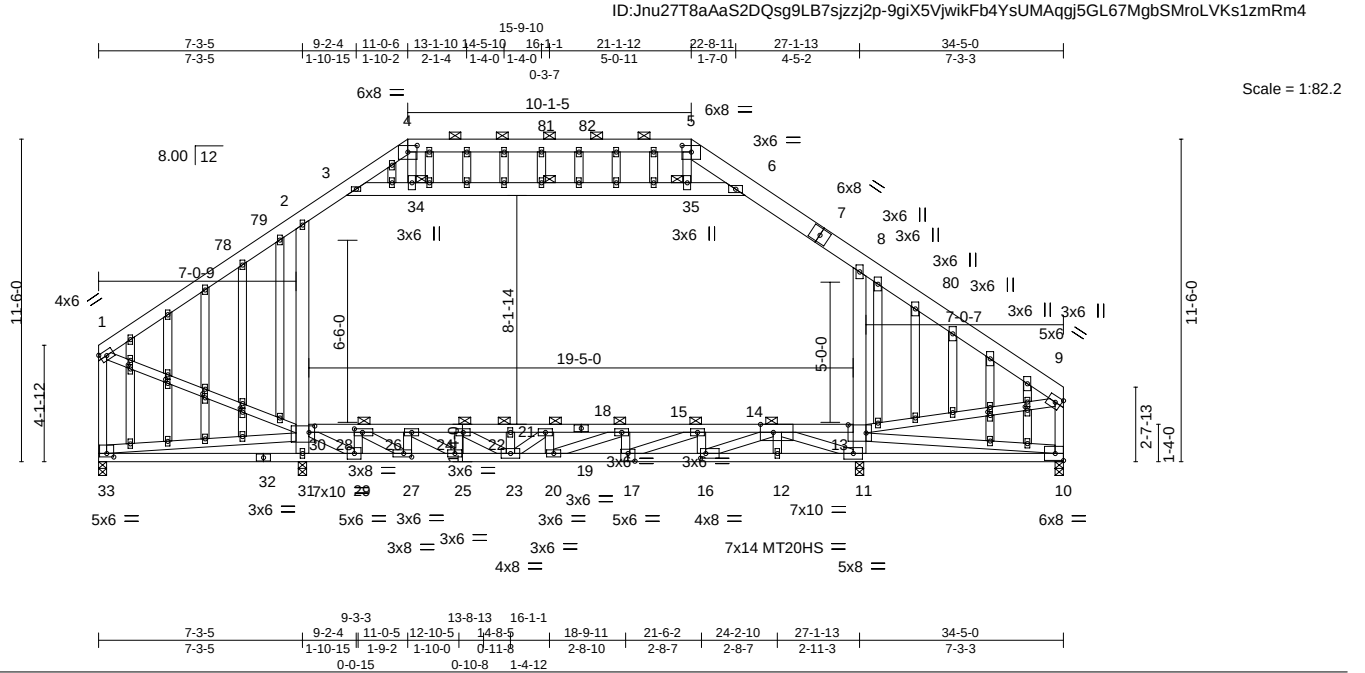

Plate Offsets (X,Y)-- [4:0-4-0,0-2-13], [5:0-4-0,0-2-13], [13:0-7-12,0-3-8], [14:0-5-8,Edge], [16:0-2-4,0-2-0], [17:0-3-0,0-3-4], [27:0-3-8,0-1-8], [28:0-3-8,0-1-8], [30:0-2-8,0-2-12] , [33:0-3-0,0-1-8], [42:0-1-12,0-1-0], [45:0-1-12,0-1-0], [48:0-1-12,0-1-0], [51:0-1-12,0-1-0], [68:0-1-9,0-1-0], [71:0-1-9,0-1-0]

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	0.66	Vert(LL)	-0.29	18-21	>811	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	1.00	Vert(CT)	-0.46	18-21	>516	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.01	22	>999	240	Weight: 418 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except* 5-7,7-9: 2x8 SP DSS
BOT CHORD 2x4 SP No.2 *Except* 17-32: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except* 3-6,2-31,8-11: 2x6 SP No.2, 1-33,9-10,29-30: 2x4 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, and 2-0-0 oc purlins (5-7-6 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 3-7-11 oc bracing. Except:
2-11-0 oc bracing: 18-21
3-0-0 oc bracing: 15-18
3-3-0 oc bracing: 21-24
3-8-0 oc bracing: 14-15
3-11-0 oc bracing: 24-28
10-0-0 oc bracing: 28-30, 13-14
WEBS 1 Row at midpt 34-35
JOINTS 1 Brace at Jt(s): 21, 15, 18, 14, 34, 35, 28, 24

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 33=-327(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 10 except 33=-164(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 10=696(LC 25), 33=864(LC 1), 31=1704(LC 20), 11=1843(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-936/179, 2-3=-921/191, 3-4=-1028/280, 5-6=-986/260, 6-8=-994/174, 8-9=-893/75, 1-33=-898/103, 9-10=-722/32, 4-5=-882/266
BOT CHORD 31-33=-1956/0, 29-31=-1943/0, 25-27=0/1417, 23-25=0/2608, 20-23=0/3740, 17-20=0/3695, 16-17=0/2754, 12-16=0/874, 11-12=0/874, 10-11=-1773/0, 28-30=0/766, 26-28=-901/20, 24-26=-2092/0, 22-24=-2854/0, 21-22=-2854/0, 18-21=-3224/0, 15-18=-3156/0, 14-15=-2238/0, 13-14=0/2497
WEBS 3-34=-271/238, 34-35=-263/247, 6-35=-273/240, 30-31=-1465/37, 2-30=-537/307, 11-13=-758/281, 8-13=-634/351, 15-16=-644/0, 17-18=-323/0, 15-17=0/988, 14-16=0/2014, 11-14=-3030/0, 30-33=0/1984, 1-30=-183/747, 10-13=0/1794, 9-13=-79/703, 28-29=-1159/0, 26-27=-854/0, 24-25=-647/0, 27-28=0/1800, 25-26=0/1370, 23-24=0/877, 21-23=-461/0, 29-30=0/2104

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-3 to 5-2-13, Interior(1) 5-2-13 to 11-3-13, Exterior(2) 11-3-13 to 16-1-7, Interior(1) 16-1-7 to 21-5-3, Exterior(2) 21-5-3 to 26-2-12, Interior(1) 26-2-12 to 34-6-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.

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NORTH CAROLINA PROFESSIONAL Scott Sevier SEAL 044925 ENGINEER SCOTT M. SEVIER

February 11,2021

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818 Soundside Road
Edenton, NC 27932

NOTES-

6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-8, 3-34, 34-35, 6-35; Wall dead load (5.0psf) on member(s).2-30, 8-13
11) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 28-30, 26-28, 24-26, 22-24, 21-22, 18-21, 15-18, 14-15, 13-14
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 33=164.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A11	MONO TRUSS	99	1	I44764787
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:46 2021 Page 1
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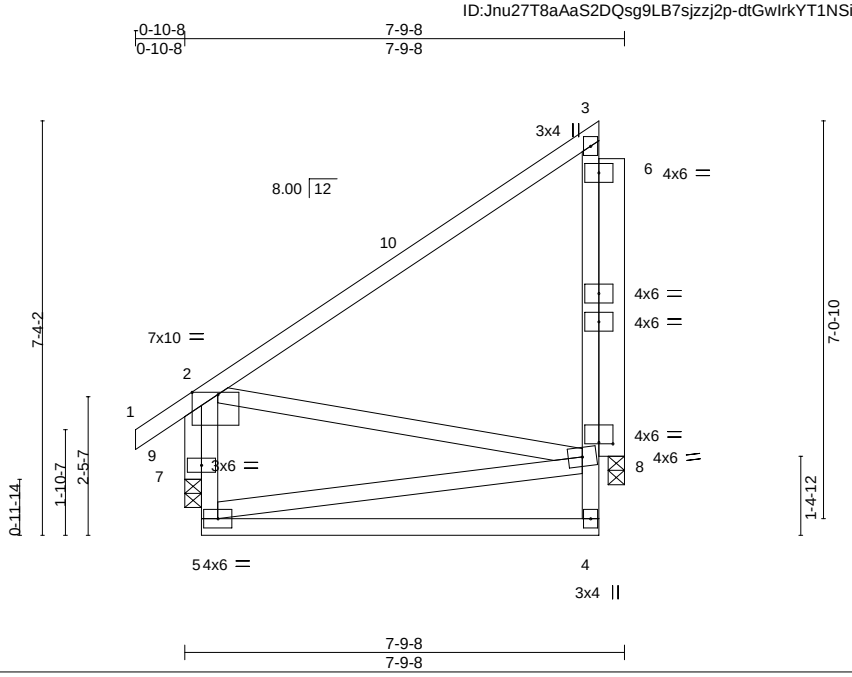

Plate Offsets (X,Y)-- [2:0-5-8,Edge], [8:0-3-0,0-0-5]

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 0.62		Vert(LL)	-0.10	4-5	>891	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.56		Vert(CT)	-0.20	4-5	>444	240		
BCLL 0.0	*	Rep Stress Incr NO	WB 0.43		Horz(CT)	-0.02	8	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.01	5	>999	240	Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-5: 2x4 SP No.2
OTHERS 2x4 SP No.2 *Except*
6-8: 2x6 SP No.2

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) 8=0-3-8, 9=0-3-8
Max Horz 9=207(LC 12)
Max Uplift 8=-302(LC 12)
Max Grav 8=1102(LC 19), 9=379(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 3-8=-995/312
WEBS 2-9=-405/39

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-2-4 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
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) Bearing at joint(s) 8, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=302.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 831 lb down and 181 lb up at 7-9-0 on top 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: 4-5=-20, 1-3=-60
Concentrated Loads (lb)
Vert: 3=-825

February 11,2021

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TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	A11A	MONO TRUSS	99	1	I44764788
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:47 2021 Page 1
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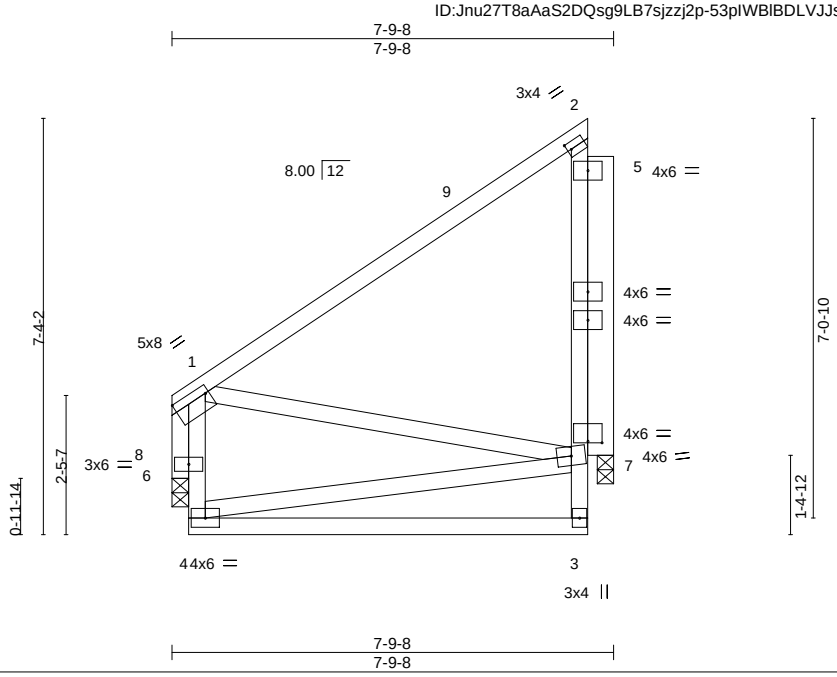

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-0-13,0-1-8], [7:0-3-0,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.10	3-4	>891	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.20	3-4	>444	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	-0.02	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.01	4	>999	240	Weight: 71 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-4: 2x4 SP No.2
OTHERS 2x4 SP No.2 *Except*
5-7: 2x6 SP No.2

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) 7=0-3-8, 8=0-3-8
Max Horz 8=177(LC 12)
Max Uplift 7=-299(LC 12)
Max Grav 7=1105(LC 19), 8=297(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-7=-1009/321
WEBS 1-8=-317/0

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-4 to 5-2-14, Interior(1) 5-2-14 to 7-2-4 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
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) Bearing at joint(s) 7, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=299.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 831 lb down and 181 lb up at 7-9-0 on top 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: 3-4=-20, 1-2=-60
Concentrated Loads (lb)
Vert: 2=-825

February 11,2021

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Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	B01G	GABLE	99	1	I44764789
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:49 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-1Sx2xsnRlym1ZAAGb0uctxR7nloXXLDRjyUY?ozmRm0

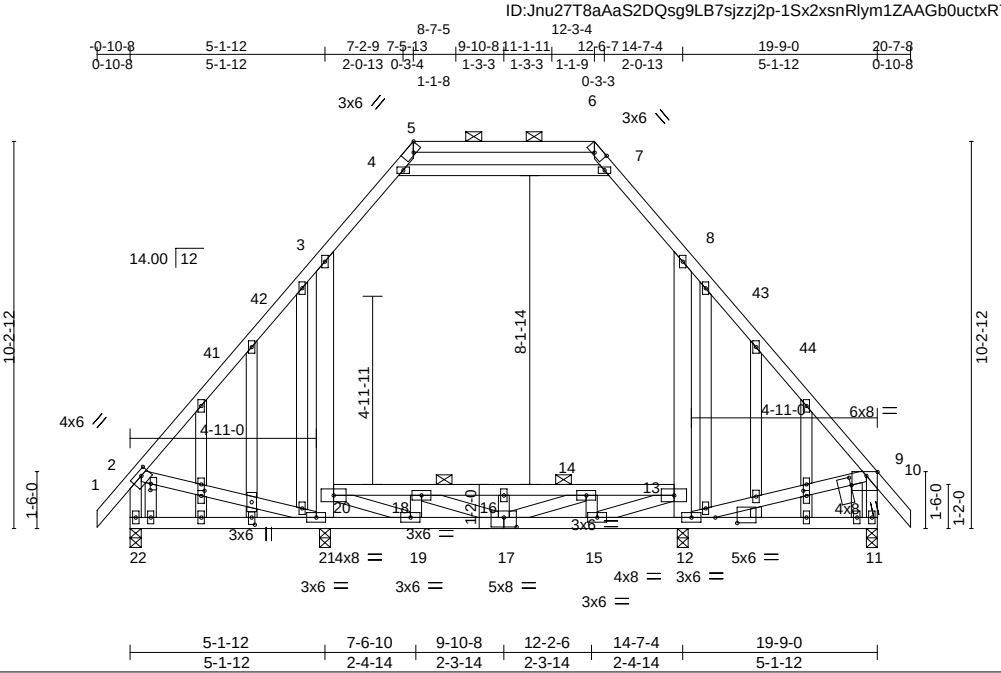

Plate Offsets (X,Y)-- [2:0-2-8,0-1-8], [5:0-2-11,Edge], [6:0-3-5,Edge], [9:Edge,0-1-5], [17:0-4-0,0-3-0], [26:0-2-4,0-1-0], [27:0-1-10,0-1-0], [31:0-2-0,0-0-3], [34:0-1-12,0-0-0], [34:0-6-15,0-1-12], [35:0-1-12,0-0-7], [38:0-1-10,0-1-0], [40:0-2-8,0-0-3]

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	0.29	Vert(LL)	-0.05	16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.07	16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.00	8	>999	240	Weight: 205 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
3-21,8-12: 2x6 SP No.2, 2-22,9-11: 2x4 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, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
4-10-0 oc bracing: 13-20

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 22=-307(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 22, 11 except 21=-204(LC 12), 12=-200(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 22=456(LC 1), 11=456(LC 1), 21=1070(LC 20), 12=1063(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-397/153, 3-4=-358/79, 4-5=-297/126, 6-7=-297/126, 7-8=-358/79, 8-9=-413/143, 2-22=-413/74, 9-11=-413/67, 5-6=-267/119
BOT CHORD 21-22=-303/357, 19-21=-234/264, 17-19=0/1100, 15-17=0/1097, 12-15=-233/255, 18-20=-996/0, 16-18=-1397/0, 14-16=-1397/0, 13-14=-996/0
WEBS 20-21=-899/167, 3-20=-490/332, 12-13=-895/165, 8-13=-494/329, 18-19=-439/0, 14-15=-439/0, 19-20=0/1226, 17-18=0/428, 14-17=0/428, 13-15=0/1226, 2-21=-314/423, 9-12=-314/423

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-5-13, Exterior(2) 7-5-13 to 17-0-14, Interior(1) 17-0-14 to 20-7-8 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-7; Wall dead load (5.0psf) on member(s).3-20, 8-13
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-20, 16-18, 14-16, 13-14
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 11 except (jt=lb) 21=204, 12=200.

Continued on page 2

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NOTES-

12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	B02	ATTIC	99	1	I44764790
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:51 2021 Page 1

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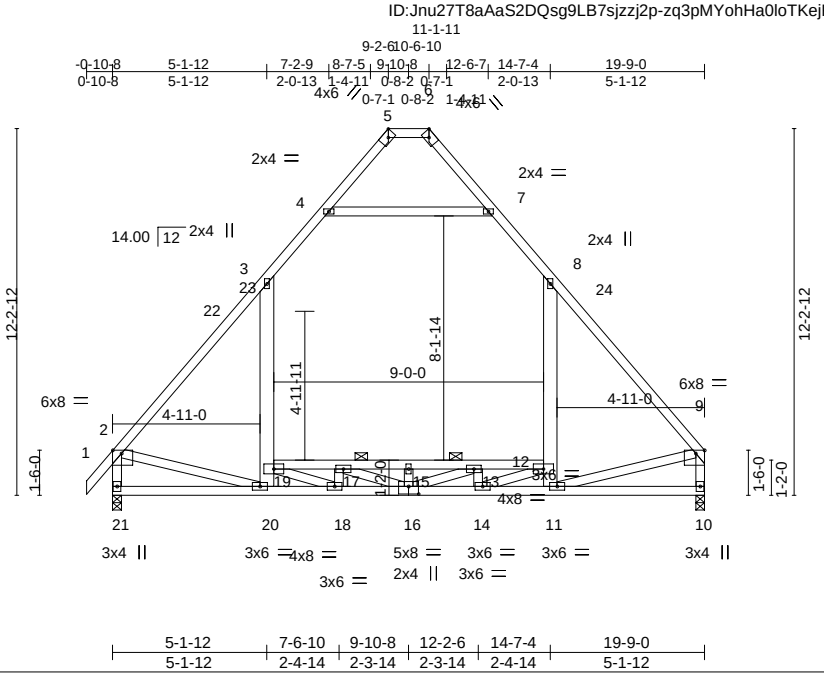

Plate Offsets (X,Y)-- [2:Edge,0-1-5], [5:0-2-11,Edge], [6:0-2-11,Edge], [9:Edge,0-1-5], [16:0-4-0,0-3-0]

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	0.75	Vert(LL)	-0.19	15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.38	15	>617	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.20	11	>999	240	Weight: 164 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP SS *Except*
5-6: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-7,2-21,9-10: 2x4 SP No.2, 3-20,8-11: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-9 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 9-3-0 oc bracing. Except: 4-1-0 oc bracing: 12-19

REACTIONS. (size) 21=0-3-8, 10=0-3-8
Max Horz 21=348(LC 9)
Max Grav 21=1283(LC 21), 10=1242(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1273/0, 3-4=-651/126, 7-8=-656/130, 8-9=-1264/0, 2-21=-1235/17, 9-10=-1195/0
BOT CHORD 20-21=-354/514, 18-20=-372/1359, 16-18=0/2299, 14-16=0/2099, 11-14=-140/1164, 17-19=-1556/30, 15-17=-1896/0, 13-15=-1896/0, 12-13=-1604/49
WEBS 4-7=-844/180, 3-19=0/612, 8-12=0/592, 17-18=-433/31, 13-14=-425/34, 18-19=0/1333, 16-17=-187/586, 13-16=-204/574, 12-14=0/1323, 2-20=0/586, 9-11=0/621

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-2-6, Exterior(2) 9-2-6 to 15-4-4, Interior(1) 15-4-4 to 19-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-7; Wall dead load (5.0psf) on member(s).3-19, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-19, 15-17, 13-15, 12-13
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Attic room checked for L/360 deflection.

February 11,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	B03	ATTIC	99	1	I44764791
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:52 2021 Page 1
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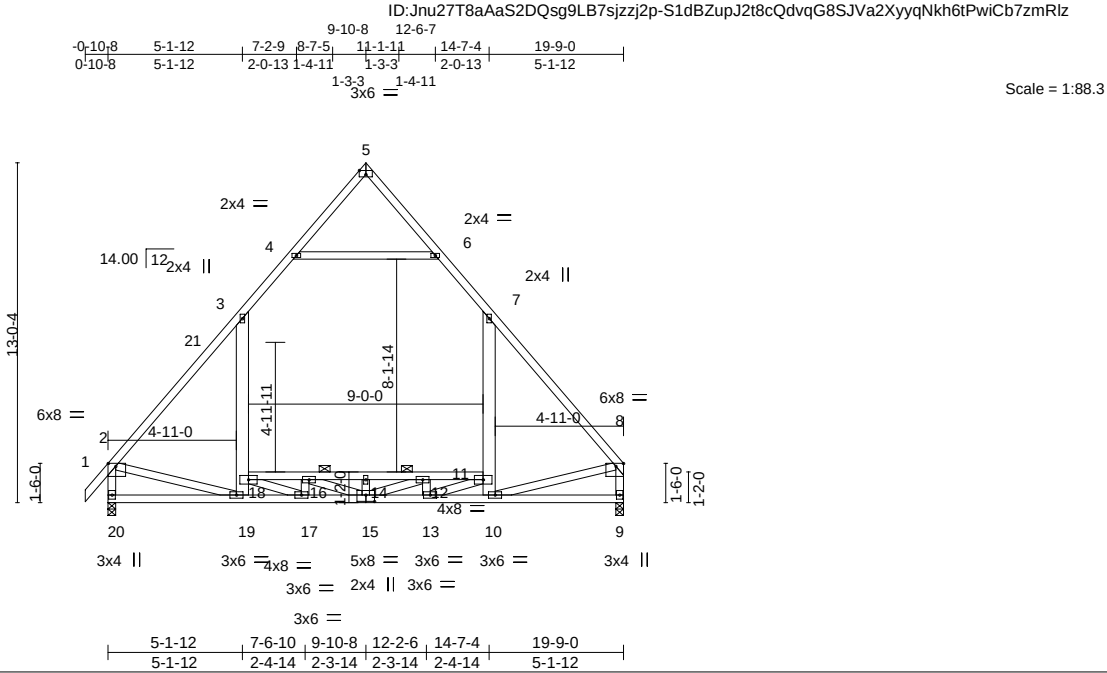

Plate Offsets (X,Y)-- [2:Edge,0-1-5], [5:Edge,0-1-14], [8:Edge,0-1-5], [15:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.20	14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.39	14	>597	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.20	10	>999	240	Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-6,2-20,8-9: 2x4 SP No.2, 3-19,7-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-0 oc bracing. Except:
4-0-0 oc bracing: 11-18

REACTIONS. (size) 20=0-3-8, 9=0-3-8
Max Horz 20=366(LC 11)
Max Grav 20=1307(LC 21), 9=1266(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1298/0, 3-4=-677/123, 6-7=-683/127, 7-8=-1289/0, 2-20=-1259/14, 8-9=-1218/0
BOT CHORD 19-20=-372/532, 17-19=-372/1395, 15-17=0/2336, 13-15=0/2123, 10-13=-140/1187, 16-18=-1579/27, 14-16=-1921/0, 12-14=-1921/0, 11-12=-1629/48
WEBS 4-6=-801/185, 3-18=0/613, 7-11=0/592, 16-17=-433/33, 12-13=-426/36, 17-18=0/1338, 15-16=-191/589, 12-15=-209/577, 11-13=0/1328, 2-19=0/580, 8-10=0/634

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-10-8, Exterior(2) 9-10-8 to 14-7-4, Interior(1) 14-7-4 to 19-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-18, 7-11
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 12-14, 11-12
7) Attic room checked for L/360 deflection.

February 11,2021

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TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	B04	ATTIC	99	1	I44764792
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:53 2021 Page 1

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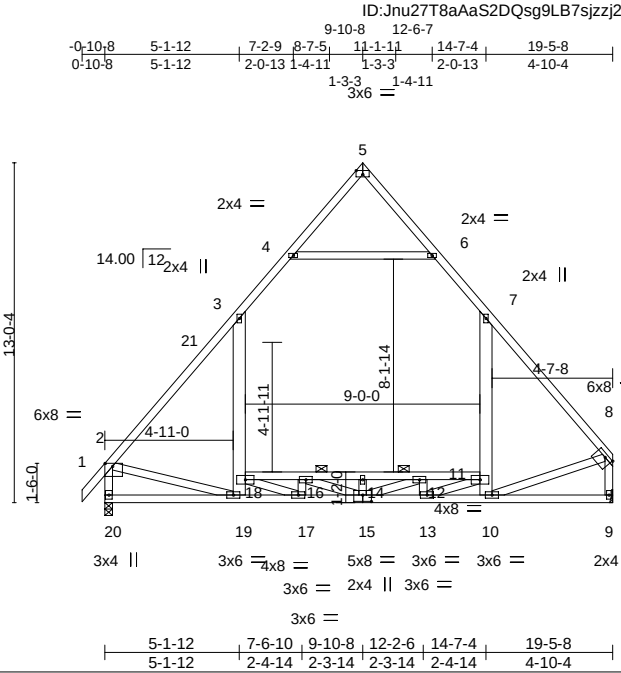

Plate Offsets (X,Y)-- [2:Edge,0-1-5], [5:Edge,0-1-14], [8:0-3-8,0-1-8], [15:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.19	14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.37	14-16	>620	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.20	19	>999	240	Weight: 164 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP SS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-6,2-20,8-9: 2x4 SP No.2, 3-19,7-10: 2x6 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-8 oc bracing. Except: 4-1-0 oc bracing: 11-18

REACTIONS. (size) 20=0-3-8, 9=Mechanical
Max Horz 20=371(LC 11)
Max Grav 20=1289(LC 21), 9=1267(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1277/0, 3-4=-665/126, 6-7=-670/127, 7-8=-1229/0, 2-20=-1238/16, 8-9=-1228/0
BOT CHORD 19-20=-377/530, 17-19=-367/1432, 15-17=0/2337, 13-15=0/2024, 10-13=-149/1053, 16-18=-1600/22, 14-16=-1898/0, 12-14=-1898/0, 11-12=-1551/38
WEBS 4-6=-776/184, 3-18=0/598, 7-11=0/564, 16-17=-414/38, 12-13=-447/32, 17-18=0/1307, 15-16=-204/536, 12-15=-199/631, 11-13=0/1357, 2-19=0/571, 8-10=0/659

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-10-8, Exterior(2) 9-10-8 to 14-7-4, Interior(1) 14-7-4 to 19-3-12 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
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) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-6; Wall dead load (5.0psf) on member(s).3-18, 7-11
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 12-14, 11-12
7) Refer to girder(s) for truss to truss connections.
8) Attic room checked for L/360 deflection.

February 11,2021

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TRENCO
A MiTek Affiliate
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	C01	MONO TRUSS	99	1	I44764793 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:54 2021 Page 1
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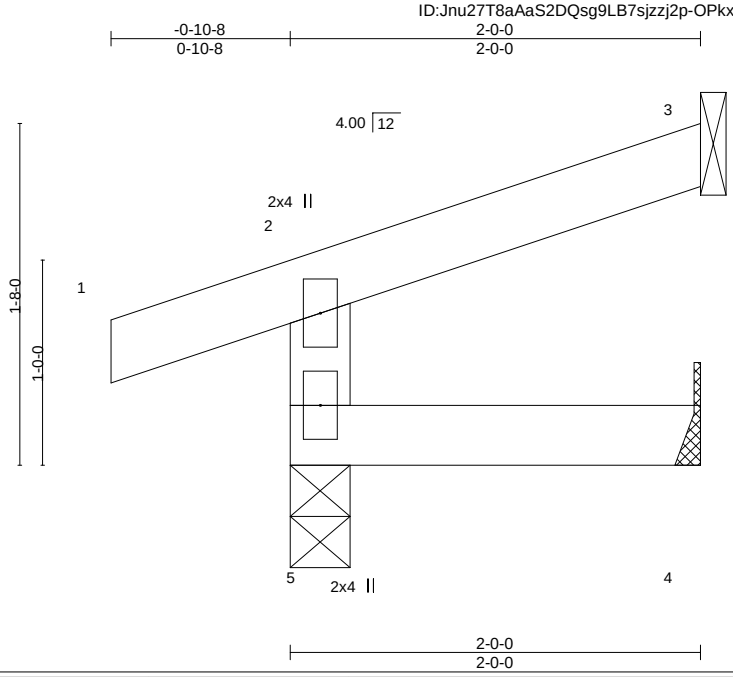

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R		Wind(LL)	0.00	5	>999	240	Weight: 8 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, 3=Mechanical
Max Horz 5=39(LC 9)
Max Uplift 5=-50(LC 8), 3=-27(LC 12)
Max Grav 5=152(LC 1), 4=34(LC 3), 3=41(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.

February 11,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	C01A	MONO TRUSS	99	1	I44764794
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:55 2021 Page 1
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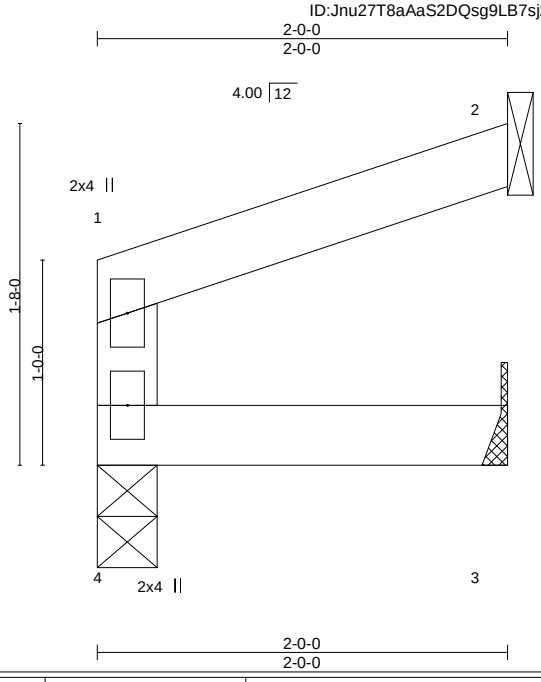

Scale = 1:11.2

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	0.08	Vert(LL)	-0.00	4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	3-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R		Wind(LL)	0.00	3-4	>999	240	Weight: 7 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) 4=0-3-8, 3=Mechanical, 2=Mechanical
Max Horz 4=32(LC 9)
Max Uplift 4=-3(LC 8), 2=-30(LC 12)
Max Grav 4=74(LC 1), 3=36(LC 3), 2=52(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C 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) 4, 2.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	CP01G	GABLE	99	1	I44764795
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:56 2021 Page 1
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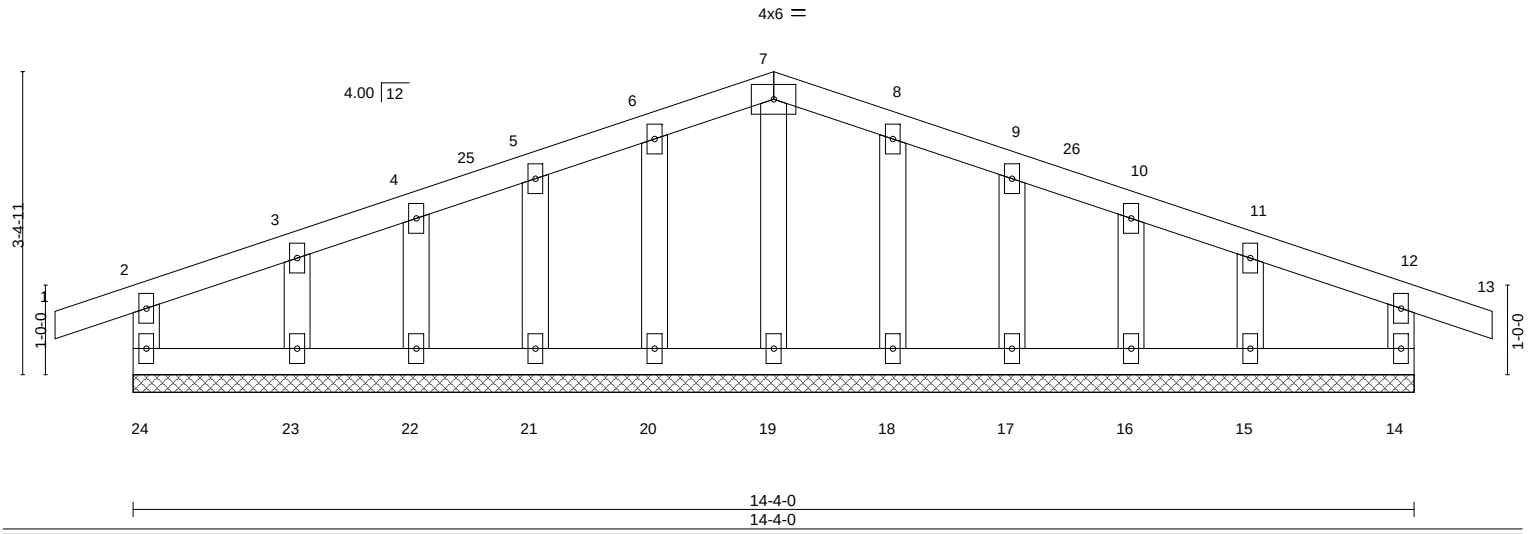
-0-10-8 0-10-8 | 7-2-0 7-2-0 | 14-4-0 7-2-0 | 15-2-8 0-10-8

Scale = 1:25.8



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	0.07	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 73 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 14-4-0.
(lb) - Max Horz 24=33(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 24, 14, 20, 21, 22, 23, 18, 17, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 24, 14, 19, 20, 21, 22, 23, 18, 17, 16, 15

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-2-0, Exterior(2) 7-2-0 to 14-2-4, Interior(1) 14-2-4 to 15-2-8 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 14, 20, 21, 22, 23, 18, 17, 16, 15.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	CP02	QUEENPOST	99	1	I44764796
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:57 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-o_Q4cbtStQmvWOno3i1UCdmLzzbGP4lcZCQzGLzmRlu

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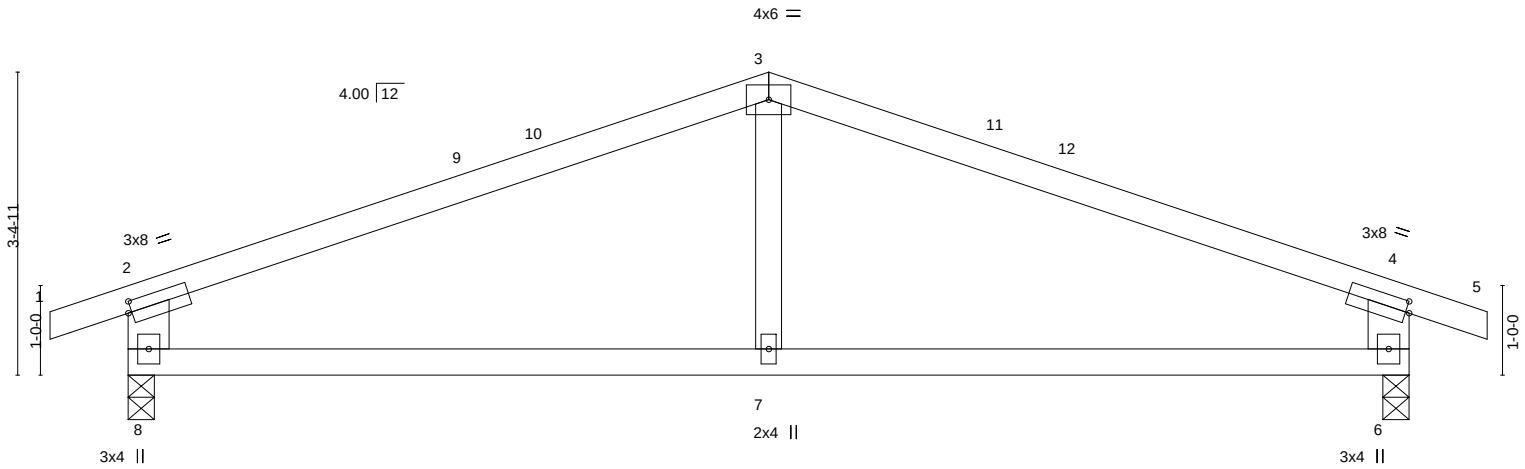
Scale = 1:25.8



7-2-0 7-2-0 | 14-4-0 7-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.16	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R		Wind(LL)	0.03	7-8	>999	240	Weight: 54 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 3-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=33(LC 12)
Max Uplift 8=-127(LC 8), 6=-127(LC 9)
Max Grav 8=621(LC 1), 6=621(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-757/185, 3-4=-757/185, 2-8=-537/232, 4-6=-537/232
BOT CHORD 7-8=-102/641, 6-7=-102/641
WEBS 3-7=0/264

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-2-0, Exterior(2) 7-2-0 to 14-1-4, Interior(1) 14-1-4 to 15-2-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=127, 6=127.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	CP03A	MONO TRUSS	99	1	I44764797
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:58 2021 Page 1
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0-10-8 4-3-0

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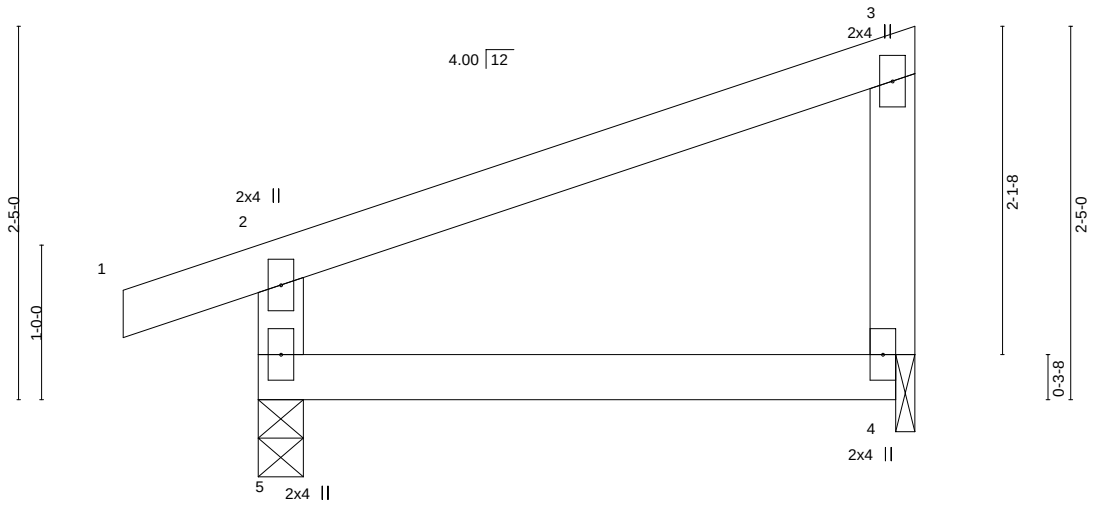

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.00	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 4-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 4=0-1-8
Max Horz 5=91(LC 9)
Max Uplift 5=-68(LC 8), 4=-36(LC 12)
Max Grav 5=227(LC 1), 4=150(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	CP04A	MONO TRUSS	99	1	I44764798 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:33:59 2021 Page 1
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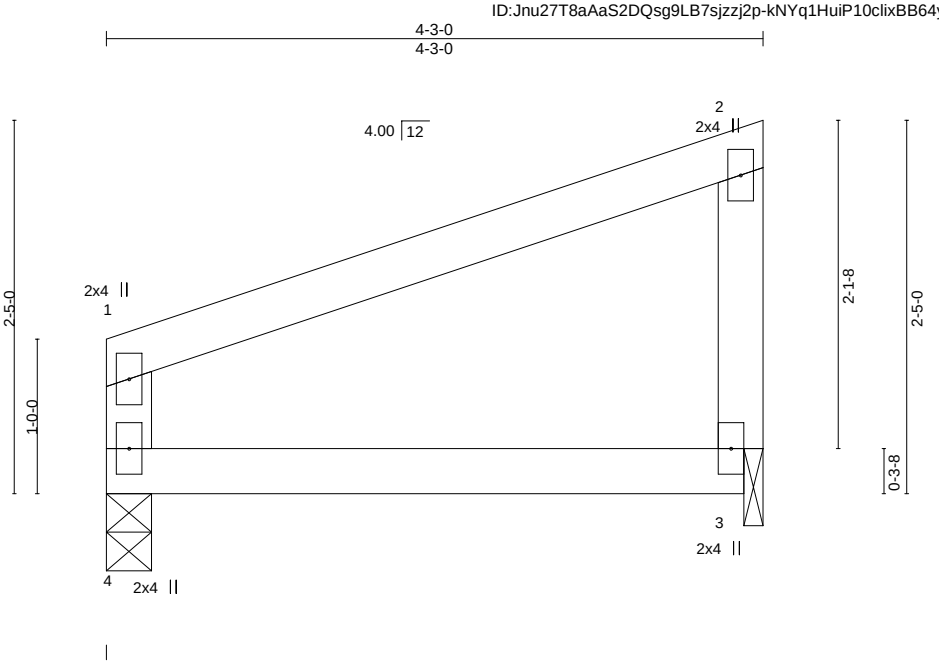

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	3-4	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.02	3-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.00	3-4	>999	240	Weight: 16 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 4-3-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 3=0-1-8
Max Horz 4=84(LC 9)
Max Uplift 4=-24(LC 8), 3=-38(LC 12)
Max Grav 4=158(LC 1), 3=158(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C 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) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 3.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	D01G	GABLE	99	1	I44764799
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:00 2021 Page 1
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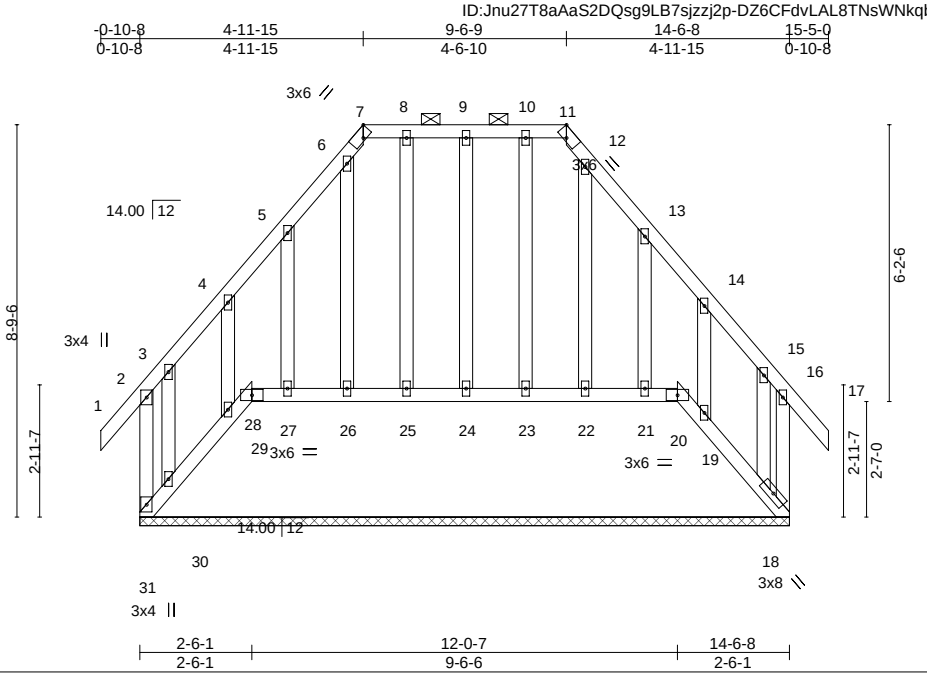

Plate Offsets (X,Y)-- [7:0-2-11,Edge], [11:0-2-11,Edge]

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	0.59	Vert(LL)	-0.00	17	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.01	16-17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(CT)	-0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 136 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, and 2-0-0 oc purlins (10-0-0 max.): 7-11.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 7-10-1 oc bracing: 30-31.

REACTIONS. All bearings 14-6-8.
(lb) - Max Horz 31=-284(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 29, 23, 22 except 31=-780(LC 8), 18=-218(LC 9), 28=-175(LC 11), 20=-240(LC 11), 27=-117(LC 12), 30=-582(LC 9), 21=-105(LC 13), 19=-401(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 28, 20, 24, 25, 26, 27, 29, 23, 22, 21 except 31=828(LC 11), 18=285(LC 19), 30=664(LC 10), 19=492(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-31=-305/303, 2-3=-271/285, 4-5=-176/264, 5-6=-271/384, 6-7=-187/255, 7-8=-200/282, 8-9=-200/282, 9-10=-200/282, 10-11=-200/282, 11-12=-195/266, 12-13=-272/383, 13-14=-151/251, 14-15=-300/307, 15-16=-266/253, 16-18=-437/381
BOT CHORD 30-31=-506/500, 29-30=-251/218, 28-29=-254/218, 19-20=-296/255
WEBS 3-30=-256/239, 14-19=-328/293, 15-18=-693/647

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 3-11-2, Exterior(2) 3-11-2 to 4-11-15, Corner(3) 4-11-15 to 14-4-12, Exterior(2) 14-4-12 to 15-5-0 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 29, 23, 22 except (jt=lb) 31=780, 18=218, 28=175, 20=240, 27=117, 30=582, 21=105, 19=401.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 18, 28, 20, 24, 25, 26, 27, 29, 30, 23, 22, 21, 19.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	D02	SPECIAL	99	1	I44764800 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:02 2021 Page 1
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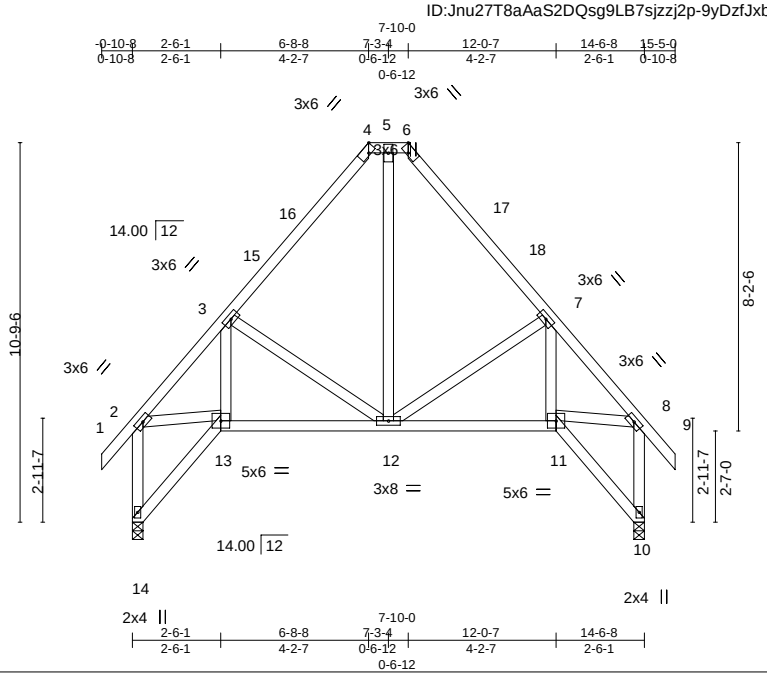

Plate Offsets (X,Y)-- [4:0-2-11,Edge], [6:0-2-11,Edge]

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	0.21	Vert(LL)	-0.02	11-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.04	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.01	13	>999	240	Weight: 113 lb	FT = 20%

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

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

REACTIONS. (size) 14=0-3-8, 10=0-3-8
Max Horz 14=-340(LC 10)
Max Uplift 14=-62(LC 13), 10=-62(LC 12)
Max Grav 14=631(LC 1), 10=631(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-739/226, 2-3=-816/253, 3-4=-512/213, 4-5=-384/216, 5-6=-384/216, 6-7=-514/225, 7-8=-650/190, 8-10=-607/211
BOT CHORD 13-14=-500/470, 12-13=-355/674, 11-12=-61/485
WEBS 2-13=-85/467, 3-13=-295/378, 8-11=-39/449, 5-12=-173/496, 3-12=-389/288, 7-12=-303/204

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 6-8-8, Exterior(2) 6-8-8 to 14-4-12, Interior(1) 14-4-12 to 15-5-0 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
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) Bearing at joint(s) 14, 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) 14, 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	D03GR	CAL. POLYNESIAN	99	3	I44764801
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:03 2021 Page 1

ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-d8nLtfxDSGW2EJEyQy8uSu0N7OekpeHVx8tHU_zmRlo

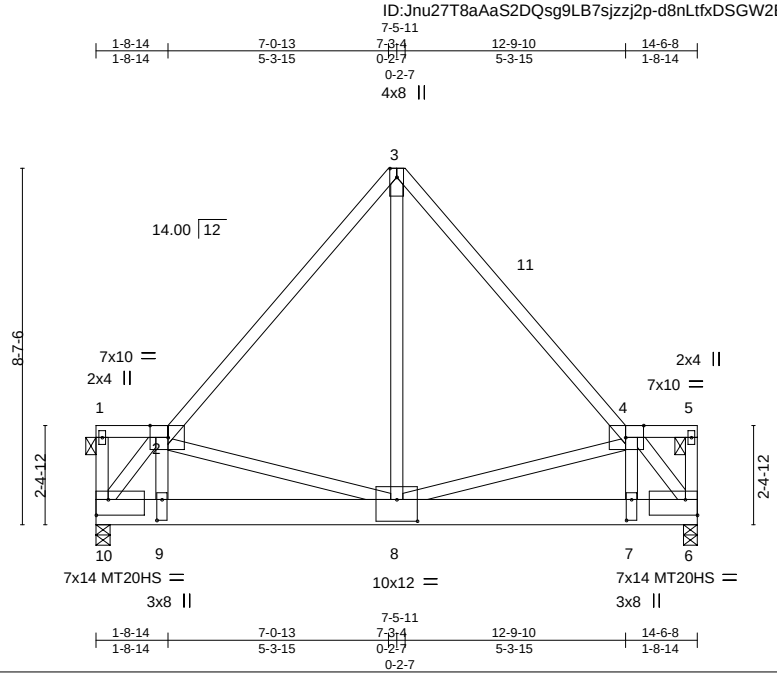

Plate Offsets (X,Y)-- [2:0-5-4,Edge], [4:0-5-4,Edge], [6:Edge,0-4-8], [7:0-6-0,0-1-8], [8:0-6-0,0-6-4], [9:0-6-0,0-1-8], [10:Edge,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.06	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.12	7-8	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.06	8-9	>999	240	Weight: 355 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 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-2, 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 10=0-4-0, 6=0-4-0
Max Horz 10=-237(LC 4)
Max Uplift 10=-1569(LC 8), 6=-1570(LC 8)
Max Grav 10=9482(LC 15), 6=9553(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7024/1179, 3-4=-7105/1255
BOT CHORD 9-10=-1333/7563, 8-9=-1281/7232, 7-8=-1163/7100, 6-7=-1214/7431
WEBS 2-10=-11444/1934, 2-9=-718/4434, 2-8=-2677/574, 4-8=-2539/523, 4-7=-708/4447, 4-6=-11460/1902, 3-8=-1680/10153

NOTES-

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=1569, 6=1570.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-4=-60, 4-5=-60, 6-10=-1140(F=-1120)

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	E01G	GABLE	99	1	I44764802
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:05 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-ZXv5IKzT_tnmUdOKXNAMXJ5uIBPvHhLnOSMOZtzmRlm

0-10-8 9-10-8 19-9-0 20-7-8
0-10-8 9-10-8 9-10-8 0-10-8

Scale = 1:45.8

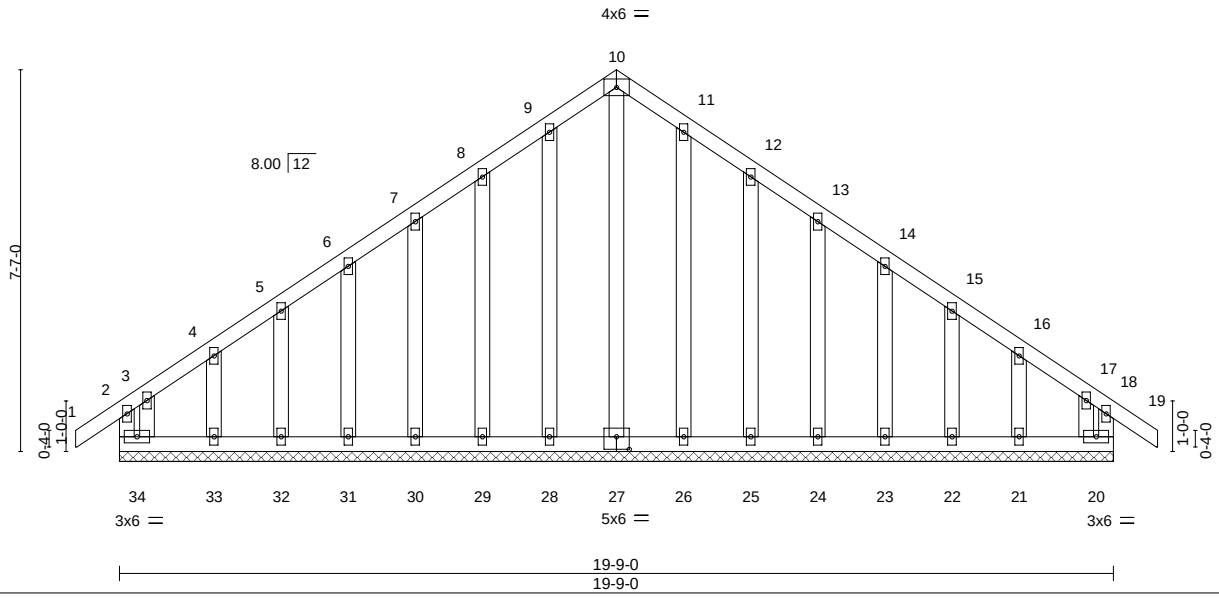

Plate Offsets (X,Y)-- [27:0-3-0,0-3-0]

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	0.13	Vert(LL)	-0.00	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(CT)	0.00	20	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 153 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 19-9-0.
(lb) - Max Horz 34=209(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 20, 28, 29, 30, 31, 32, 26, 25, 24, 23, 22 except 34=-103(LC 8), 33=-129(LC 12), 21=-117(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 34, 20, 27, 28, 29, 30, 31, 32, 33, 26, 25, 24, 23, 22, 21

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-6 to 3-11-4, Exterior(2) 3-11-4 to 9-10-8, Corner(3) 9-10-8 to 14-8-2, Exterior(2) 14-8-2 to 20-7-6 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 28, 29, 30, 31, 32, 26, 25, 24, 23, 22 except (jt=lb) 34=103, 33=129, 21=117.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	E02	COMMON	99	1	I44764803
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:06 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-1jTUVg_5lBvd5nzX54ib3XeysbWv07Jxd65x5JzmRll

0-10-8 9-10-8 19-9-0 20-7-8
0-10-8 9-10-8 9-10-8 0-10-8

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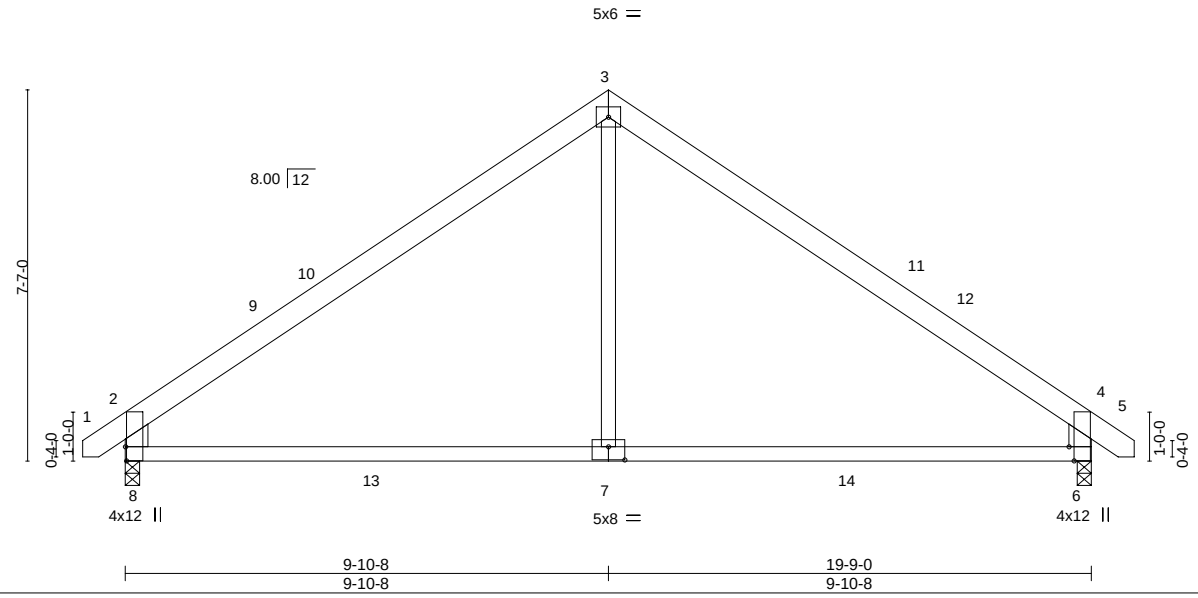

9-10-8 19-9-0
9-10-8 9-10-8

Plate Offsets (X,Y)-- [2:0-1-13,0-2-12], [4:0-1-13,0-2-12], [6:0-3-8,Edge], [6:0-0-0,0-2-12], [7:0-4-0,0-3-4], [8:0-3-8,Edge], [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	0.59	Vert(LL)	-0.16	7-8	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.98	Vert(CT)	-0.33	7-8	>694	240		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.21	Horz(CT)	0.02	6	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.06	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=0-3-8, 6=0-3-8
Max Horz 8=205(LC 11)
Max Uplift 8=-87(LC 12), 6=-87(LC 13)
Max Grav 8=906(LC 19), 6=906(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-803/209, 2-3=-1011/152, 3-4=-1011/152, 4-6=-803/209
BOT CHORD 7-8=-13/760, 6-7=-13/760
WEBS 3-7=0/541

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-9 to 4-1-1, Interior(1) 4-1-1 to 9-10-8, Exterior(2) 9-10-8 to 16-7-15, Interior(1) 16-7-15 to 20-5-9 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	P01G	GABLE	99	1	I44764805
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:07 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-Vv1sj0_kWU1UjxYjfoDqckA75?yBldn4smrUdlzmRlk

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0-10-8 7-6-0

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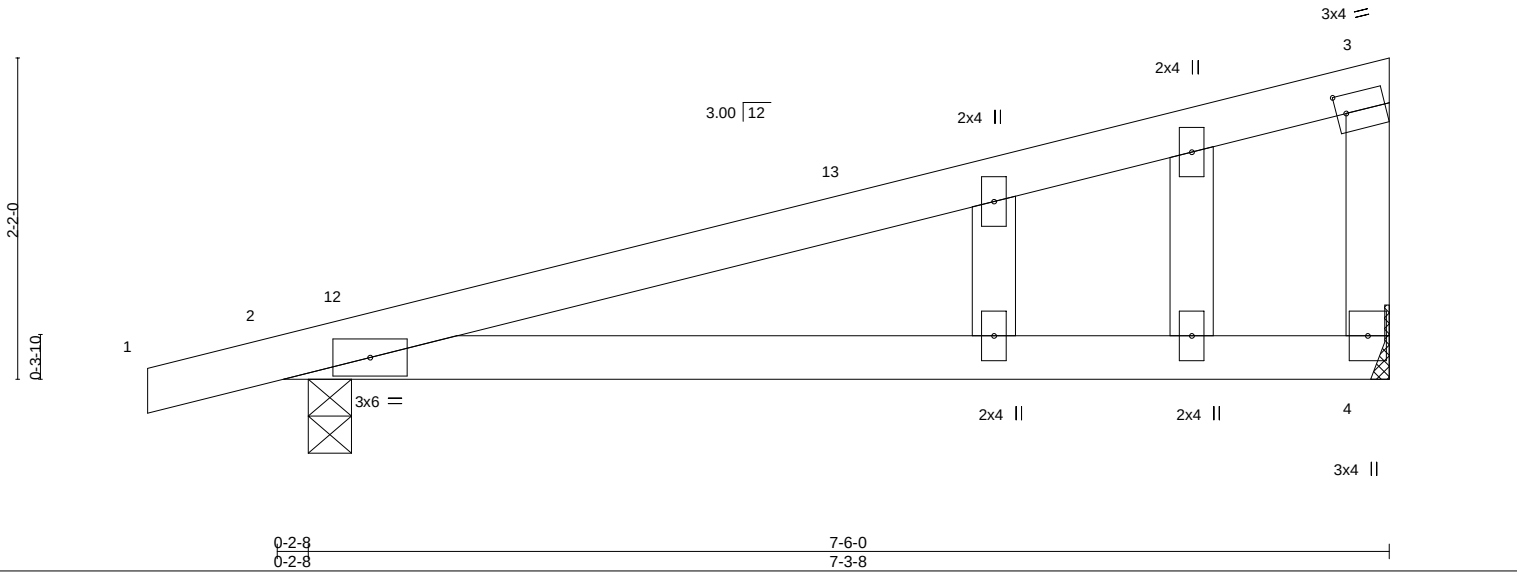

0-2-8 7-6-0
0-2-8 7-3-8

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

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	0.62	Vert(LL)	-0.09	4-11	>946	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.21	4-11	>421	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-MS		Wind(LL)	0.13	4-11	>673	240	Weight: 30 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8
Max Horz 2=107(LC 11)
Max Uplift 4=-108(LC 12), 2=-155(LC 8)
Max Grav 4=289(LC 1), 2=351(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; 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 3-11-2, Interior(1) 3-11-2 to 7-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 1-4-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=108, 2=155.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	P02	MONO TRUSS	99	1	I44764806
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:08 2021 Page 1
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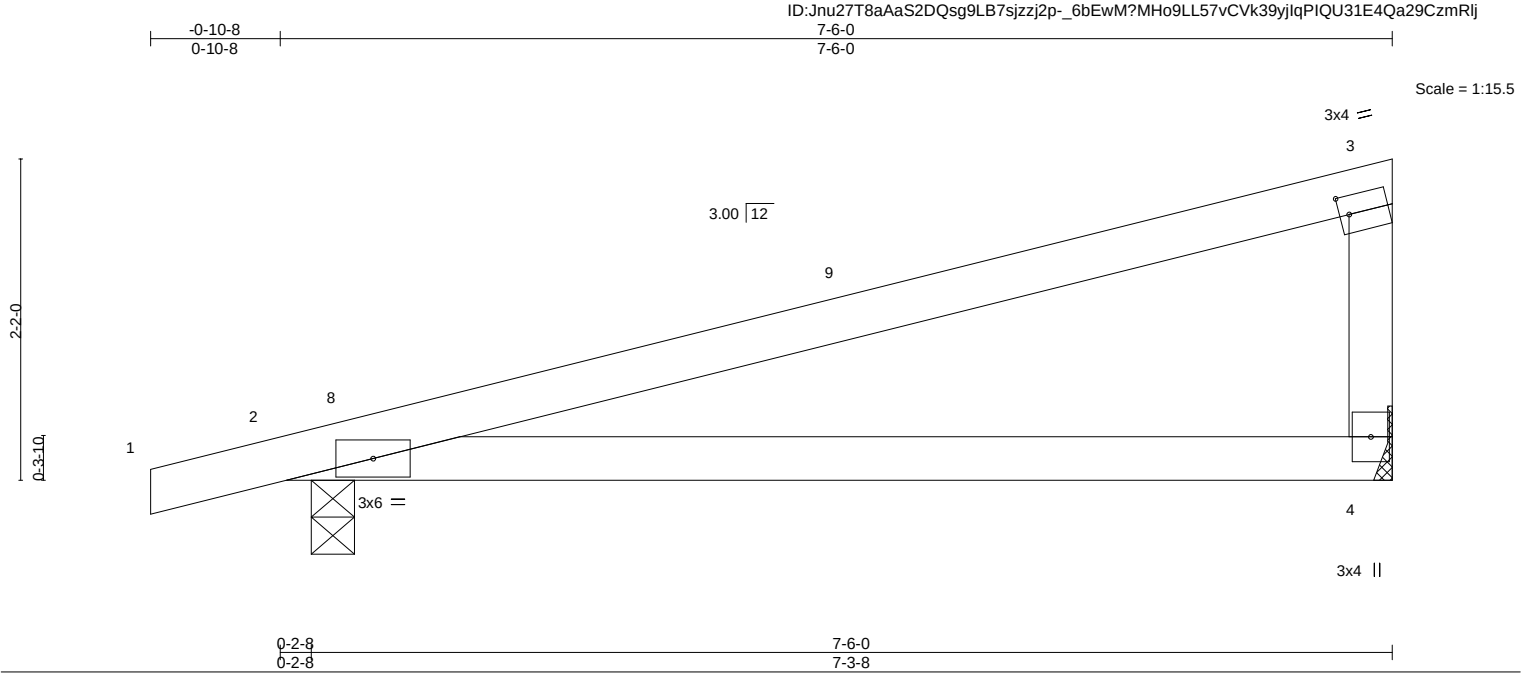

Plate Offsets (X,Y)-- [3:0-0-12,0-1-8]

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	0.62	Vert(LL)	-0.09	4-7	>946	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.21	4-7	>421	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-MS		Wind(LL)	0.10	4-7	>897	240	Weight: 26 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8
Max Horz 2=80(LC 11)
Max Uplift 4=-59(LC 12), 2=-91(LC 8)
Max Grav 4=289(LC 1), 2=351(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	P03	MONO TRUSS	99	1	I44764807
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:09 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-SI9c7i0_26HCyEi6mDFIh9GOioZ7DJsNJ3KbiezmRli

-0-10-8 / 0-10-8 — 7-6-0 / 7-6-0 — 10-0-0 / 2-6-0

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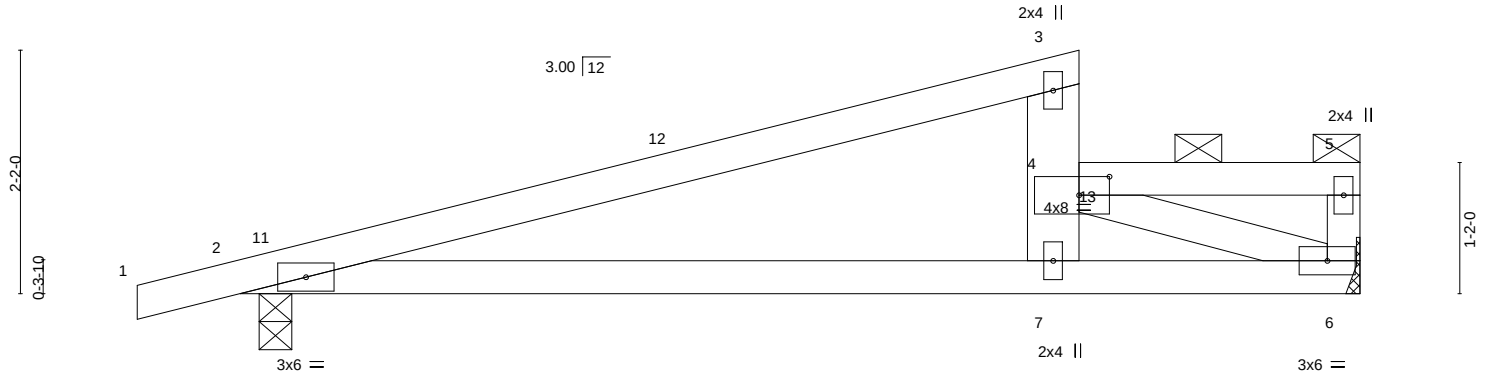

0-2-8 / 0-2-8 — 7-6-0 / 7-3-8 — 7-7-12 / 0-1-12 — 10-0-0 / 2-4-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.13	7-10	>913	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.94	Vert(CT)	-0.27	7-10	>436	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.13	7-10	>889	240	Weight: 39 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 9-5-3 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-3-8
Max Horz 2=66(LC 12)
Max Uplift 6=-102(LC 9), 2=-120(LC 8)
Max Grav 6=701(LC 1), 2=539(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-892/186
BOT CHORD 2-7=-200/831, 6-7=-393/1720
WEBS 4-7=0/261, 4-6=-1718/387

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 9-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=102, 2=120.
8) N/A

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 428 lb down and 135 lb up at 7-8-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 6-8=-20, 4-5=-60

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 13=-400

2) Dead + 0.75 Roof Live (balanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-50, 6-8=-20, 4-5=-80
Concentrated Loads (lb)
Vert: 13=-350

18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-3=-20, 6-8=-20, 4-5=-60
Concentrated Loads (lb)
Vert: 13=-200

19) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-25, 2-3=-29, 6-8=-20, 4-5=-72
Horz: 1-2=-25, 2-3=-21, 5-6=7
Concentrated Loads (lb)
Vert: 13=-428

20) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-35, 2-3=-39, 6-8=-20, 4-5=-59
Horz: 1-2=-15, 2-3=-11, 5-6=-21
Concentrated Loads (lb)
Vert: 13=-371

21) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-25, 2-3=-29, 6-8=-20, 4-5=-72
Horz: 1-2=-25, 2-3=-21, 5-6=3
Concentrated Loads (lb)
Vert: 13=-406

22) Dead + 0.75 Roof Live (bal.) + 0.75 Attic Floor + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-41, 2-11=-46, 3-11=-42, 6-8=-20, 4-5=-59
Horz: 1-2=-9, 2-11=-4, 3-11=-8, 5-6=-19
Concentrated Loads (lb)
Vert: 13=-371

25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-50, 6-8=-20, 4-5=-50
Concentrated Loads (lb)
Vert: 13=-350

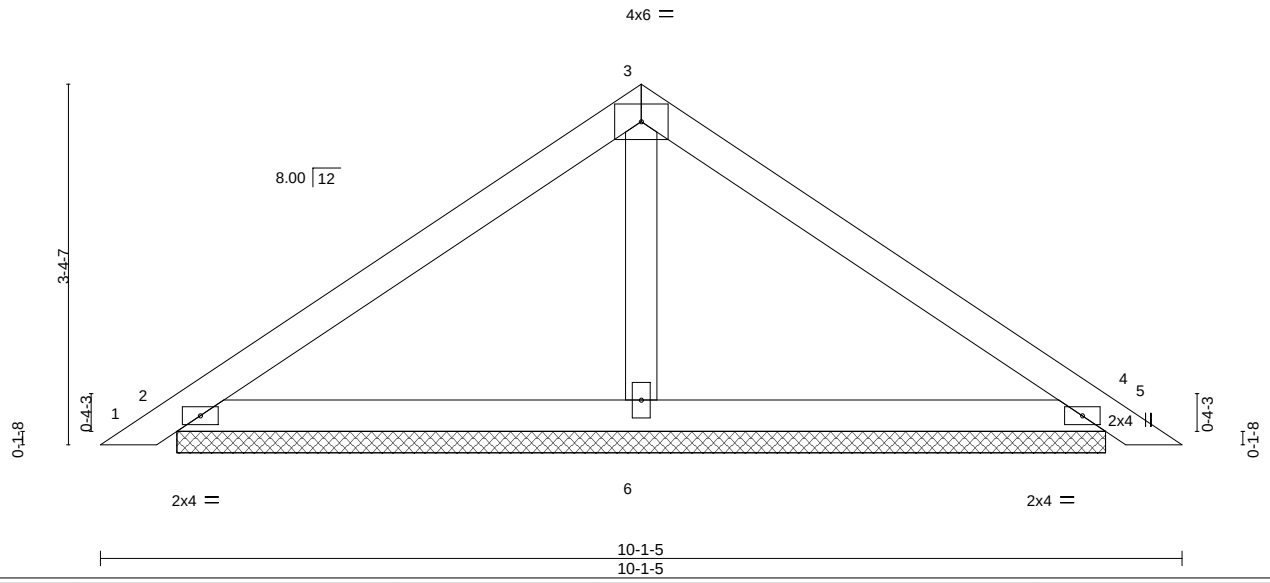
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Attic Floor: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-20, 6-8=-20, 4-5=-80
Concentrated Loads (lb)
Vert: 13=-350

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	PB01	GABLE	99	1	I44764808 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:09 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-SI9c7i0_26HCyEi6mDFIh9GYsokeDWSNJ3KbiezmRli

5-0-11 10-1-5
5-0-11 5-0-10

Scale = 1:21.5



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	0.29	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 35 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
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) 2=8-8-3, 4=8-8-3, 6=8-8-3
Max Horz 2=-80(LC 10)
Max Uplift 2=-43(LC 12), 4=-54(LC 13), 6=-13(LC 12)
Max Grav 2=198(LC 1), 4=198(LC 1), 6=352(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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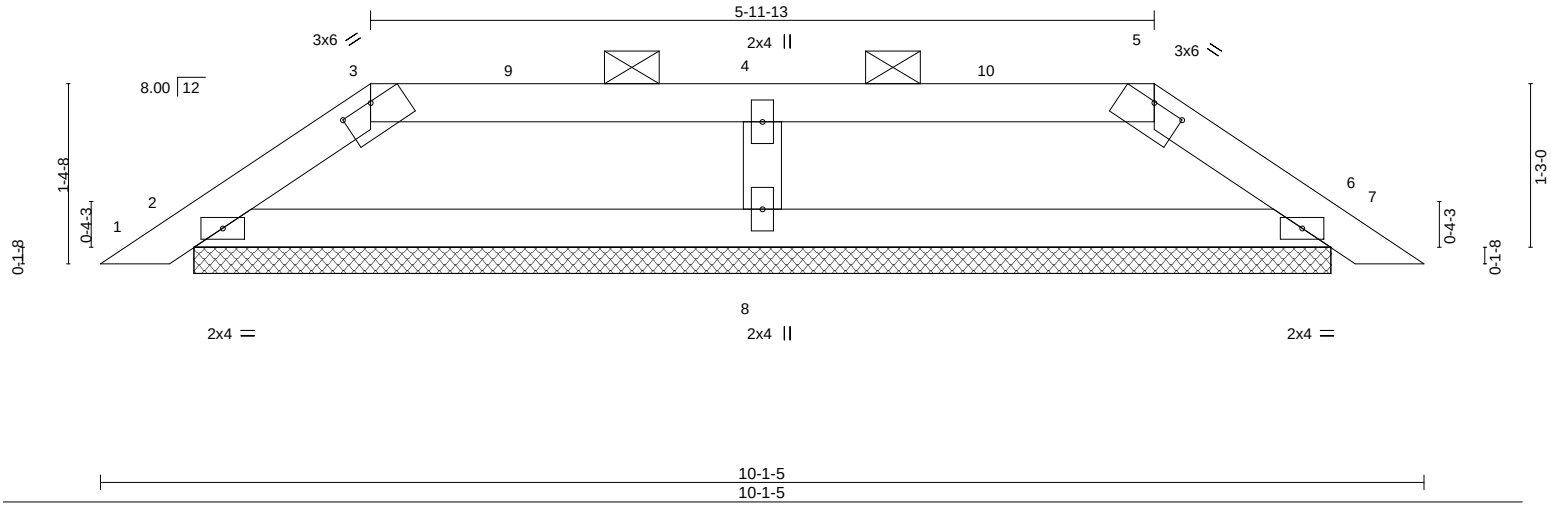
Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	PB02	GABLE	99	1	I44764809
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:10 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-wUi_L21cpPP2aOHIKwmXENoIYC4_yzYXYj39E4zmRlh

2-0-12 | 5-0-11 | 8-0-9 | 10-1-5
2-0-12 | 2-11-15 | 2-11-14 | 2-0-12

Scale = 1:17.6



10-1-5
10-1-5

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

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	0.16	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 30 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=8-8-3, 6=8-8-3, 8=8-8-3
Max Horz 2=-31(LC 10)
Max Uplift 2=-34(LC 12), 6=-34(LC 13), 8=-40(LC 9)
Max Grav 2=214(LC 1), 6=214(LC 1), 8=321(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-3-2 to 6-10-6, Exterior(2) 6-10-6 to 8-0-9, Corner(3) 8-0-9 to 9-10-3 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 8.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	V01	VALLEY	99	1	I44764810
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:11 2021 Page 1
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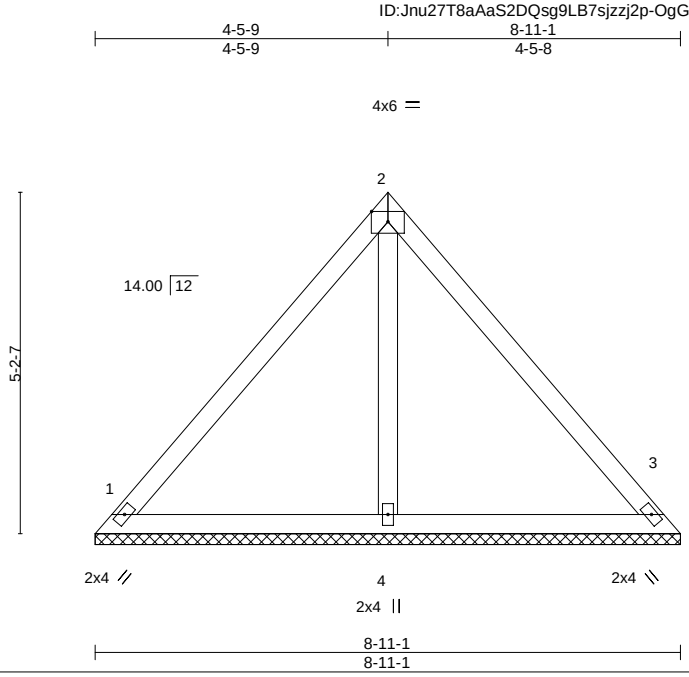

Plate Offsets (X,Y)-- [2:Edge,0-1-14]

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	0.45	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	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: 39 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=8-11-1, 3=8-11-1, 4=8-11-1
Max Horz 1=-127(LC 8)
Max Uplift 1=-44(LC 13), 3=-32(LC 12), 4=-6(LC 12)
Max Grav 1=192(LC 1), 3=192(LC 1), 4=278(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	V02	VALLEY	99	1	I44764811
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:12 2021 Page 1
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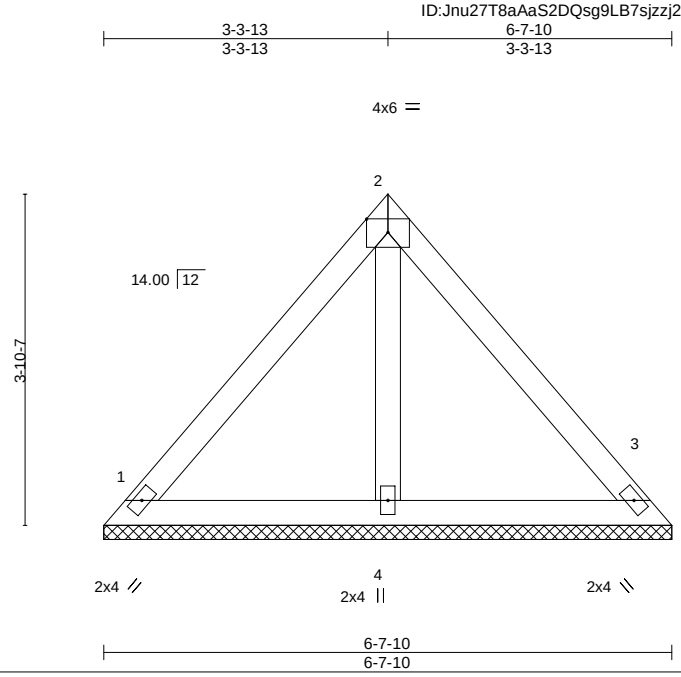

Plate Offsets (X,Y)-- [2:Edge,0-1-14]

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	0.37	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-P							Weight: 29 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=6-7-10, 3=6-7-10, 4=6-7-10
Max Horz 1=-92(LC 8)
Max Uplift 1=-43(LC 13), 3=-35(LC 12)
Max Grav 1=149(LC 1), 3=149(LC 1), 4=186(LC 3)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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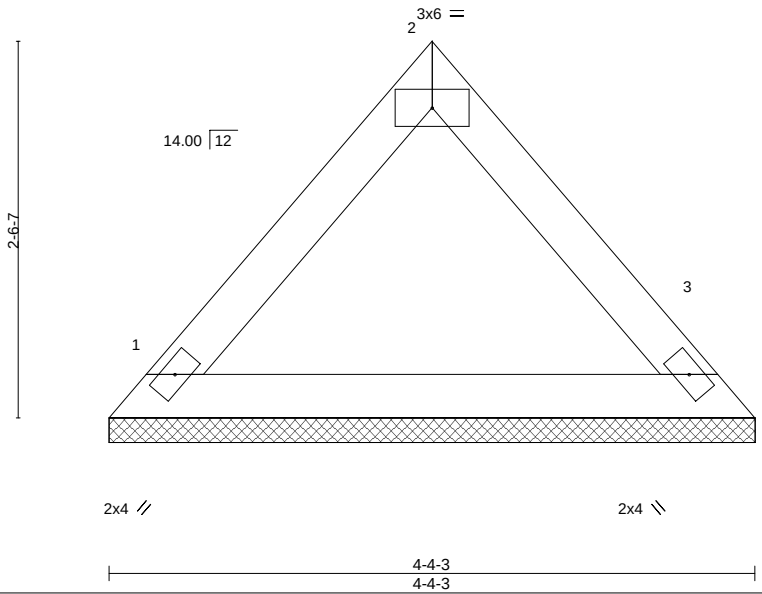
Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	V03	VALLEY	99	1	I44764812 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:13 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-K3O7z43U6KndRs?t?3KEs?QF5Q4O9KGzEhlprPzmRle

2-2-2 4-4-3
2-2-2 2-2-1

Scale = 1:15.5



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	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: 15 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 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-4-3, 3=4-4-3
Max Horz 1=-57(LC 8)
Max Uplift 1=-16(LC 13), 3=-16(LC 12)
Max Grav 1=149(LC 1), 3=149(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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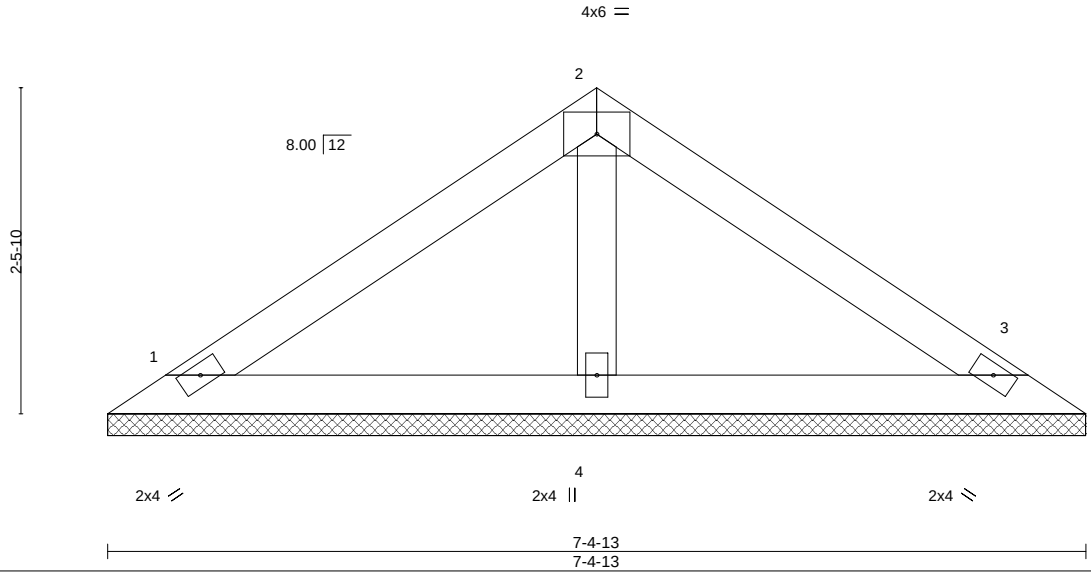
Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	V05	VALLEY	99	1	I44764813 Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:13 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-K3O7z43U6KndRs?t?3KEs?QEgQ629KjzEhlprPzmRle

3-8-6 7-4-13
3-8-6 3-8-7

Scale = 1:17.4



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	0.23	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	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 25 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=7-4-13, 3=7-4-13, 4=7-4-13
Max Horz 1=54(LC 9)
Max Uplift 1=-24(LC 12), 3=-32(LC 13), 4=-11(LC 12)
Max Grav 1=126(LC 1), 3=126(LC 1), 4=264(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

February 11,2021

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

Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	V06	VALLEY	99	1	I44764814
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Wed Feb 10 19:34:14 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-oFyVBP47sevU30a3ZmrTODzSTpTCunW6TL1MNrzmRld

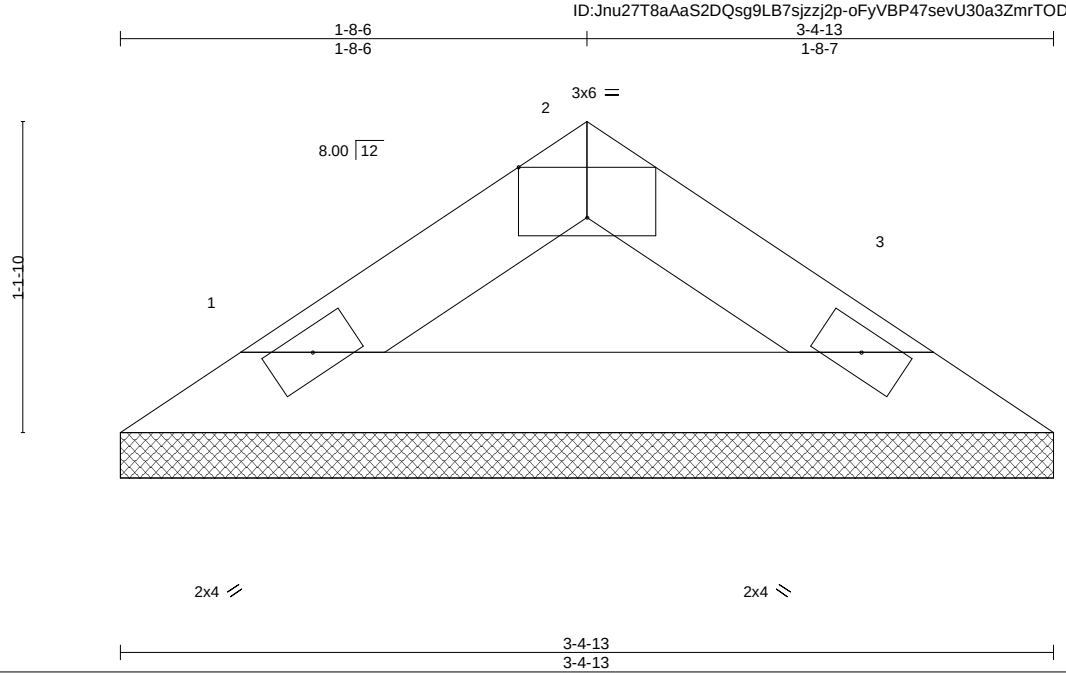


Plate Offsets (X,Y)-- [2:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	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: 10 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 3-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-4-13, 3=3-4-13
Max Horz 1=20(LC 11)
Max Uplift 1=-11(LC 12), 3=-11(LC 13)
Max Grav 1=98(LC 1), 3=98(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

February 11,2021

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Job	Truss	Truss Type	Qty	Ply	MCKEEHOMES/FINLEY; LOT 1071 ANDERSON CREEK
AC1071	E03GR	POLYNESIAN	99	4	I44784706

Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Feb 11 21:56:19 2021 Page 1
ID:Jnu27T8aAaS2DQsg9LB7sjzzj2p-xGB3sZsEuLSkoyuutDMk8_zGug7BUEUFRJ_taMzm4aQ

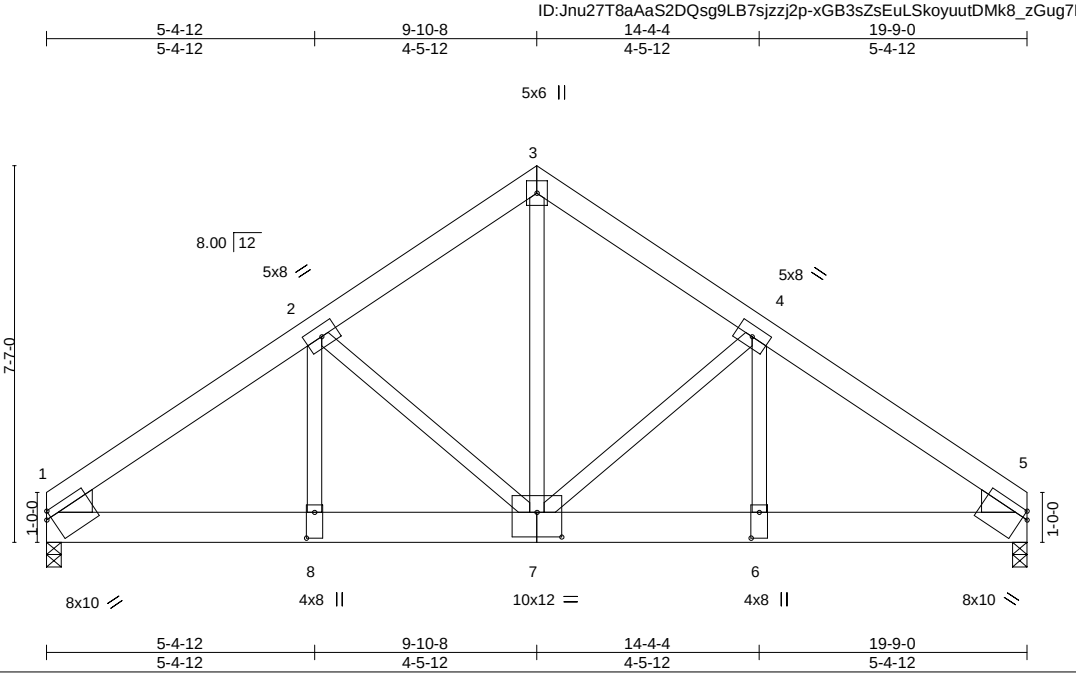

Plate Offsets (X,Y)-- [1:Edge,0-1-13], [5:Edge,0-1-13], [6:0-6-4,0-2-0], [7:0-6-0,0-6-0], [8:0-6-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.11	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.21	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.10	7-8	>999	240	Weight: 629 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2 *Except*
3-7: 2x4 SP No.1
WEDGE
Left: 2x6 SP No.2, Right: 2x6 SP No.2

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.

PLY-TO-PLY CONNECTION REQUIRES THAT AN APPROVED FACE MOUNT HANGER (SPECIFIED BY OTHERS) IS REQUIRED AT JOINT 8 FOR LOAD REPORTED IN NOTES. FACE MOUNT HANGER SHALL BE ATTACHED WITH A MINIMUM OF 0.25"x 6" SCREWS OR OTHER FASTENERS THAT PENETRATES ALL PLIES, PER HANGER MANUFACTURER SPECIFICATIONS.

REACTIONS. (size) 1=0-3-8 (req. 0-4-1), 5=0-3-8 (req. 0-4-0)
Max Horz 1=166(LC 5)
Max Uplift 1=-2574(LC 8), 5=-2529(LC 9)
Max Grav 1=13868(LC 15), 5=13630(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-20675/3860, 2-3=-13533/2586, 3-4=-13579/2595, 4-5=-16835/3127
BOT CHORD 1-8=-3220/16950, 7-8=-3220/16950, 6-7=-2504/13748, 5-6=-2504/13748
WEBS 3-7=-2692/14257, 2-8=-1721/9369, 2-7=-7417/1525, 4-6=-742/4268, 4-7=-3259/734

NOTES-
1) N/A
2) 4-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.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 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=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 1, 5 greater than input bearing size.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2574 lb uplift at joint 1 and 2529 lb uplift at joint 5.
10) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 9108 lb down and 1736 lb up at 5-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

February 12,2021

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: 1-3=-60, 3-5=-60, 8-9=-155(F=-135), 8-12=-1140(F=-1120)
   Concentrated Loads (lb)
   Vert: 8=-9037(F)