ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: PCK77
MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE 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: I51140203 thru I51140246

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844

April 3,2022

Gilbert, Eric

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	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140203
PCK77	A01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:48 2022 Page 1
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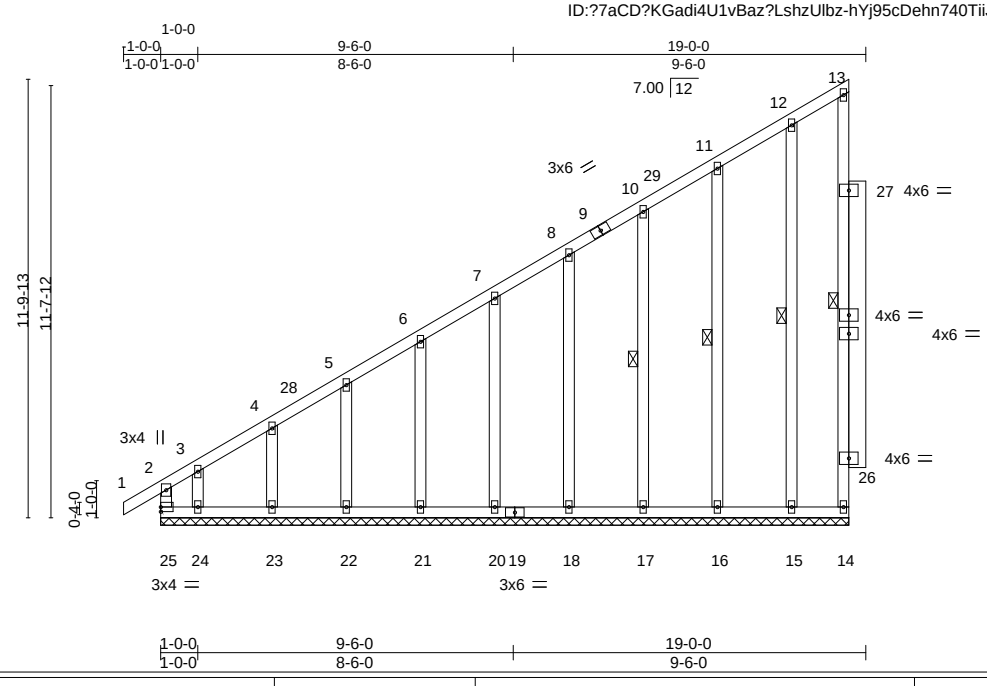

Scale = 1:62.1

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	0.00	2	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	0.00	2	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 173 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 13-14: 2x4 SP No.2
OTHERS	2x4 SP No.3 *Except* 26-27: 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 6-0-0 oc bracing.
WEBS	1 Row at midpt 13-14, 12-15, 11-16, 10-17

REACTIONS. All bearings 18-6-8.
(lb) - Max Horz 25=351(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 16, 17, 18, 20, 21, 22, 23 except 25=-210(LC 10), 24=-294(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 15, 16, 17, 18, 20, 21, 22, 23 except 25=426(LC 9), 14=663(LC 19), 24=255(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-392/328, 2-3=-513/508, 3-4=-388/394, 4-5=-361/366, 5-6=-327/332, 6-7=-295/300, 7-8=-262/267, 13-14=-643/69
WEBS 3-24=-267/238

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 3-9-10, Interior(1) 3-9-10 to 18-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) 14, 15, 16, 17, 18, 20, 21, 22, 23 except (jt=lb) 25=210, 24=294.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-11-0 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: 1-2=-60, 2-13=-60, 14-25=-20

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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 13=-600

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140204
PCK77	A02	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:49 2022 Page 1
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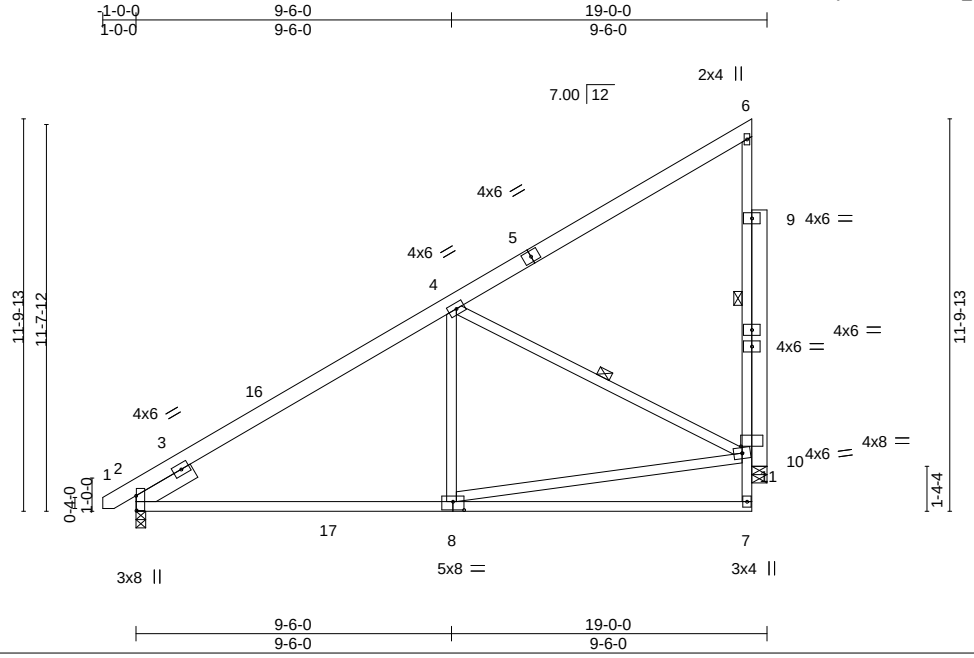

Plate Offsets (X,Y)-- [2:0-5-6,0-0-2], [8:0-4-0,0-3-0], [10:0-0-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.13	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.26	7-8	>855	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.06	8-14	>999	240	Weight: 156 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	6-7: 2x4 SP No.2
OTHERS	2x6 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-7, 4-10

REACTIONS. (size) 2=0-3-8, 11=0-5-8
Max Horz 2=342(LC 11)
Max Uplift 2=-20(LC 12), 11=-168(LC 12)
Max Grav 2=787(LC 1), 11=1432(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-911/73, 10-11=-1237/225, 6-10=-840/116
BOT CHORD 2-8=-185/794
WEBS 4-8=0/321, 8-10=-290/842, 4-10=-846/200

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 3-11-10, Interior(1) 3-11-10 to 18-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Bearing at joint(s) 11 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) 2 except (jt=lb) 11=168.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-11-0 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: 1-6=-60, 7-12=-20
Concentrated Loads (lb)
Vert: 6=-600

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140205
PCK77	A02A	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:49 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-9kHXJyEHS4FxddHutZ_RRE2NHpVn1VjfPefy?PzUdoq

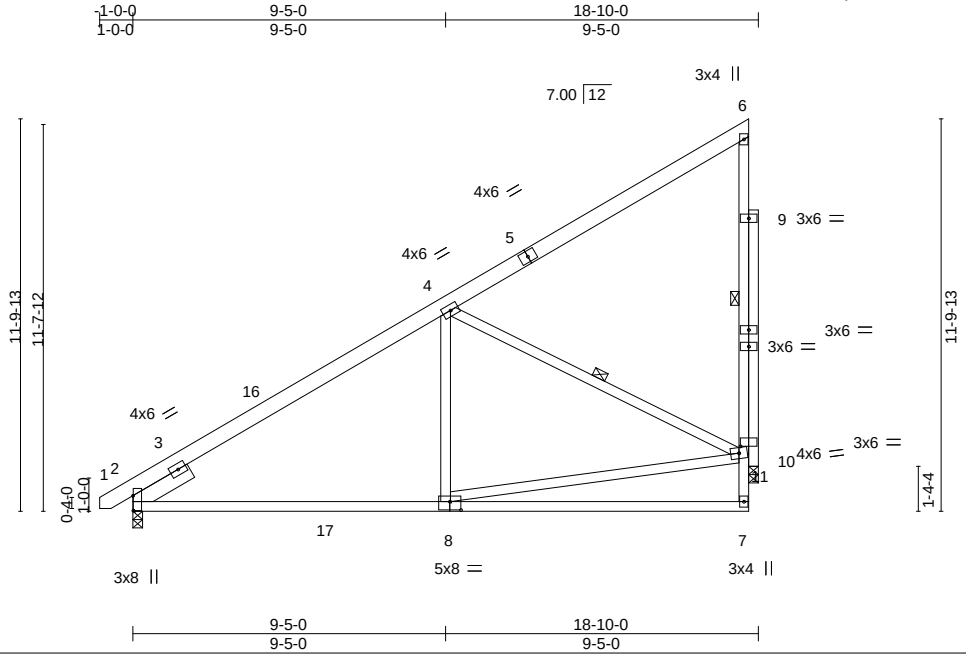

Plate Offsets (X,Y)-- [2:0-5-6,0-0-2], [8:0-4-0,0-3-0], [10:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.13	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.26	7-8	>849	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	8-14	>999	240	Weight: 149 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	6-7: 2x4 SP No.2
OTHERS	2x4 SP No.2
SLIDER	Left 2x6 SP No.2 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 6-7, 4-10

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=342(LC 11)
Max Uplift 2=-20(LC 12), 11=-168(LC 12)
Max Grav 2=787(LC 1), 11=1432(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-913/74, 10-11=-1253/231, 6-10=-840/118
BOT CHORD 2-8=-187/798
WEBS 4-8=0/316, 8-10=-303/885, 4-10=-844/200

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 3-11-10, Interior(1) 3-11-10 to 18-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Bearing at joint(s) 11 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) 2 except (jt=lb) 11=168.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-9-0 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: 1-6=-60, 7-12=-20
Concentrated Loads (lb)
Vert: 6=-600

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140206
PCK77	A02B	MONO TRUSS	7	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:51 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-56PHjdFX_iVftxQH?_0vWf7fad9BVHDxsy823IzUdoo

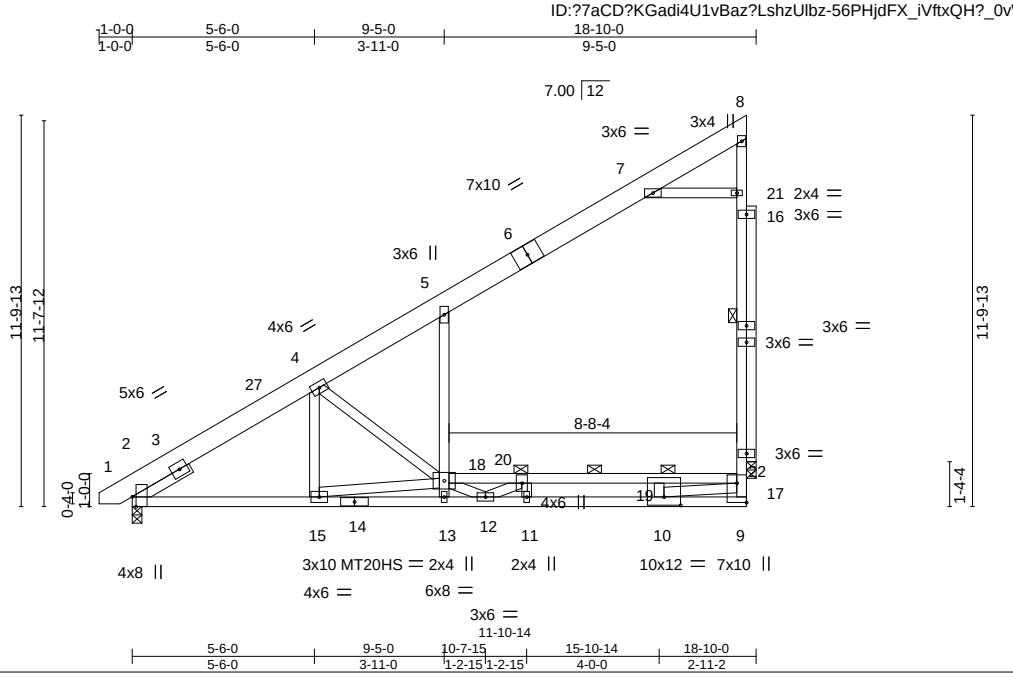

Plate Offsets (X,Y)-- [2:0-3-10,Edge], [9:Edge,0-3-8], [10:0-6-0,0-3-0]

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	0.84	Vert(LL)	-0.31	12	>714	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.58	12	>381	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.99	Horz(CT)	0.03	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.27	12	>824	240	Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 SP DSS
BOT CHORD 2x4 SP No.2 *Except*
9-14: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
8-9: 2x4 SP SS, 17-18: 2x4 SP No.2
OTHERS 2x4 SP No.2
SLIDER Left 2x4 SP No.3 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-9
3 Rows at 1/4 pts 17-18

REACTIONS. (size) 2=0-3-8, 22=0-3-8
Max Horz 2=339(LC 11)
Max Uplift 2=-19(LC 12), 22=-167(LC 12)
Max Grav 2=778(LC 1), 22=1585(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1068/64, 4-5=-482/50, 7-8=-147/534, 17-22=-3/578, 21-22=-1066/171, 8-21=-1047/163
BOT CHORD 2-15=-222/1005, 13-15=-541/2950, 12-13=-584/3131, 11-12=-116/1753, 10-11=-116/1753, 9-10=-847/231
WEBS 5-18=0/446, 18-20=-2703/486, 19-20=-1658/170, 17-19=-1659/169, 11-20=-435/139, 4-15=-27/463, 15-18=-1971/416, 4-18=-1057/226, 10-17=-283/2621, 12-18=-423/177, 12-20=-387/1311, 7-21=-522/221

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-4 to 4-1-6, Interior(1) 4-1-6 to 18-4-11 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
2) All plates are MT20 plates unless otherwise indicated.
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) 22 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) 2 except (jt=lb) 22=167.
7) n/a
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-9-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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LOAD CASE(S) Standard
Continued on page 2

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-8=-60, 9-23=-20
   Concentrated Loads (lb)
   Vert: 8=-600
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-8=-50, 9-23=-20, 17-18=-30(F)
   Concentrated Loads (lb)
   Vert: 8=-525
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-8=-20, 9-23=-40, 17-18=-40(F)
   Concentrated Loads (lb)
   Vert: 8=-450
18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
   Vert: 1-8=-20, 9-23=-20, 17-18=-40(F)
   Concentrated Loads (lb)
   Vert: 8=-300
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-55, 2-8=-58, 9-23=-20, 17-18=-30(F)
   Horz: 1-2=5, 2-8=8, 8-9=6
   Drag: 8-21=0
   Concentrated Loads (lb)
   Vert: 8=-616
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-40, 2-8=-44, 9-23=-20, 17-18=-30(F)
   Horz: 1-2=-10, 2-8=-6, 8-9=-16
   Drag: 8-21=-0
   Concentrated Loads (lb)
   Vert: 8=-550
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-30, 2-8=-34, 9-23=-20, 17-18=-30(F)
   Horz: 1-2=-20, 2-8=-16, 8-9=5
   Drag: 8-21=0
   Concentrated Loads (lb)
   Vert: 8=-610
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-40, 2-8=-44, 9-23=-20, 17-18=-30(F)
   Horz: 1-2=-10, 2-8=-6, 8-9=-15
   Drag: 8-21=-0
   Concentrated Loads (lb)
   Vert: 8=-550

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140207
PCK77	A02T	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:51 2022 Page 1
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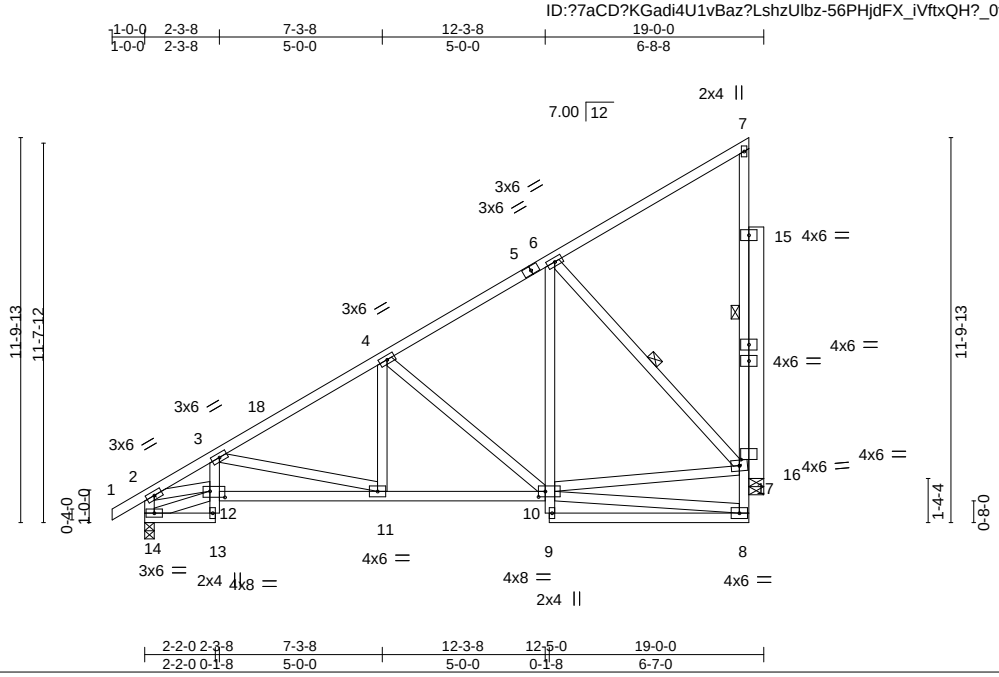

Plate Offsets (X,Y)-- [10:0-2-8,0-2-0], [12:0-5-8,0-2-4], [16:0-0-8,0-2-4]

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	0.57	Vert(LL)	-0.06	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.12	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.03	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.02	11	>999	240	Weight: 168 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 7-8: 2x4 SP No.2
OTHERS	2x6 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-8-7 oc bracing: 11-12.
WEBS	1 Row at midpt 7-8, 6-16

REACTIONS. (size) 14=0-3-8, 17=0-5-8
Max Horz 14=351(LC 9)
Max Uplift 14=-25(LC 12), 17=-170(LC 12)
Max Grav 14=797(LC 1), 17=1377(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-751/80, 2-3=-1205/120, 3-4=-973/54, 4-6=-572/102, 16-17=-1183/215, 7-16=-782/91
BOT CHORD 11-12=-459/1316, 10-11=-222/865
WEBS 6-10=-18/380, 10-16=-271/628, 6-16=-619/172, 4-11=0/292, 4-10=-475/104, 3-11=-465/244, 12-14=-418/411, 2-12=-104/1021

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 3-9-10, Interior(1) 3-9-10 to 18-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 17 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) 14 except (jt=lb) 17=170.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-11-0 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: 1-2=-60, 2-7=-60, 13-14=-20, 8-9=-20, 10-12=-20
Concentrated Loads (lb)
Vert: 7=-600

April 3,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK
PCK77	A03B	MONO TRUSS	1	2	I51140208
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:53 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-2VX28JHnWJlN6Eag6O2Nb4D_?QudzFfEKGd98AzUdom

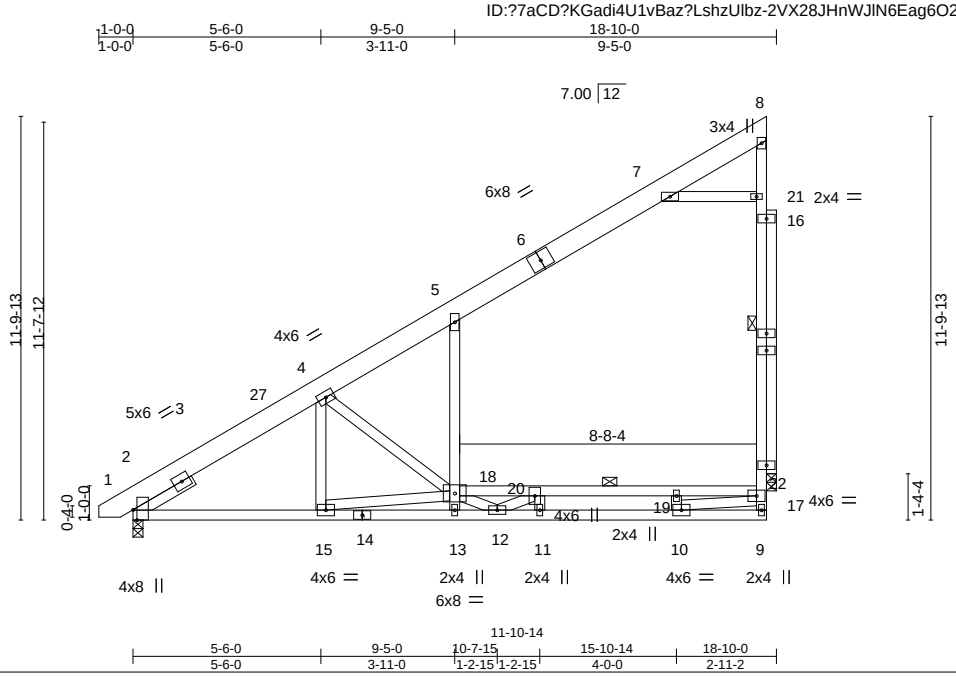


Plate Offsets (X,Y)-- [2:0-3-10,Edge]

LOADING (psf)		SPACING- 2-6-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.19	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.37	12	>597	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.18	12	>999	240	Weight: 358 lb	FT = 20%

LUMBER-

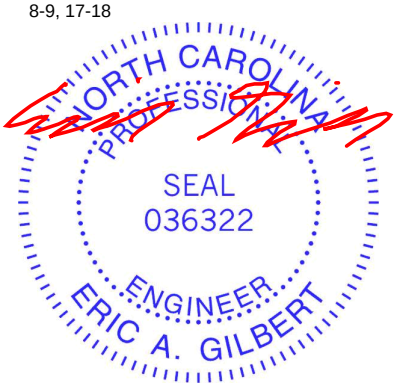
TOP CHORD	2x8 SP DSS
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 8-9,17-18,10-17: 2x4 SP No.2
OTHERS	2x4 SP No.2
SLIDER	Left 2x4 SP No.3 1-11-12

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: 9-10.
WEBS	1 Row at midpt 8-9, 17-18

REACTIONS. (size) 2=0-3-8, 22=0-3-8
Max Horz 2=423(LC 11)
Max Uplift 2=-23(LC 12), 22=-197(LC 12)
Max Grav 2=972(LC 1), 22=1777(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1306/80, 4-5=-580/67, 5-7=-296/234, 7-8=-173/607, 17-22=-3/662, 21-22=-1174/201, 8-21=-1155/192
BOT CHORD 2-15=-278/1232, 13-15=-687/3649, 12-13=-743/3882, 11-12=-155/2091, 10-11=-155/2091, 9-10=-926/268
WEBS 5-18=0/530, 18-20=-3329/621, 19-20=-1992/226, 17-19=-1993/225, 10-19=-273/61, 11-20=-492/168, 4-15=-34/573, 15-18=-2448/530, 4-18=-1319/287, 10-17=-346/3093, 12-18=-544/225, 12-20=-479/1607, 7-21=-597/270



NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-8-4 to 4-1-6, Interior(1) 4-1-6 to 18-4-11 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
4) All plates are 3x6 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 22 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 100 lb uplift at joint(s) 2 except (jt=lb) 22=197.
9) n/a

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Continued on page 2

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-9-0 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: 1-8=-75, 9-23=-25
   Concentrated Loads (lb)
   Vert: 8=-600
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-8=-62, 9-23=-25, 17-18=-30(F)
   Concentrated Loads (lb)
   Vert: 8=-525
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-8=-25, 9-23=-50, 17-18=-40(F)
   Concentrated Loads (lb)
   Vert: 8=-450
18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
   Vert: 1-8=-25, 9-23=-25, 17-18=-40(F)
   Concentrated Loads (lb)
   Vert: 8=-300
19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-69, 2-8=-73, 9-23=-25, 17-18=-30(F)
   Horz: 1-2=6, 2-8=10, 8-9=7
   Drag: 8-21=0
   Concentrated Loads (lb)
   Vert: 8=-616
20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-50, 2-8=-54, 9-23=-25, 17-18=-30(F)
   Horz: 1-2=-12, 2-8=-8, 8-9=-20
   Drag: 8-21=-0
   Concentrated Loads (lb)
   Vert: 8=-550
21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-38, 2-8=-42, 9-23=-25, 17-18=-30(F)
   Horz: 1-2=-25, 2-8=-21, 8-9=6
   Drag: 8-21=0
   Concentrated Loads (lb)
   Vert: 8=-610
22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-50, 2-8=-54, 9-23=-25, 17-18=-30(F)
   Horz: 1-2=-12, 2-8=-8, 8-9=-18
   Drag: 8-21=-0
   Concentrated Loads (lb)
   Vert: 8=-550

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140209
PCK77	A04	MONO TRUSS	6	1	Job Reference (optional)

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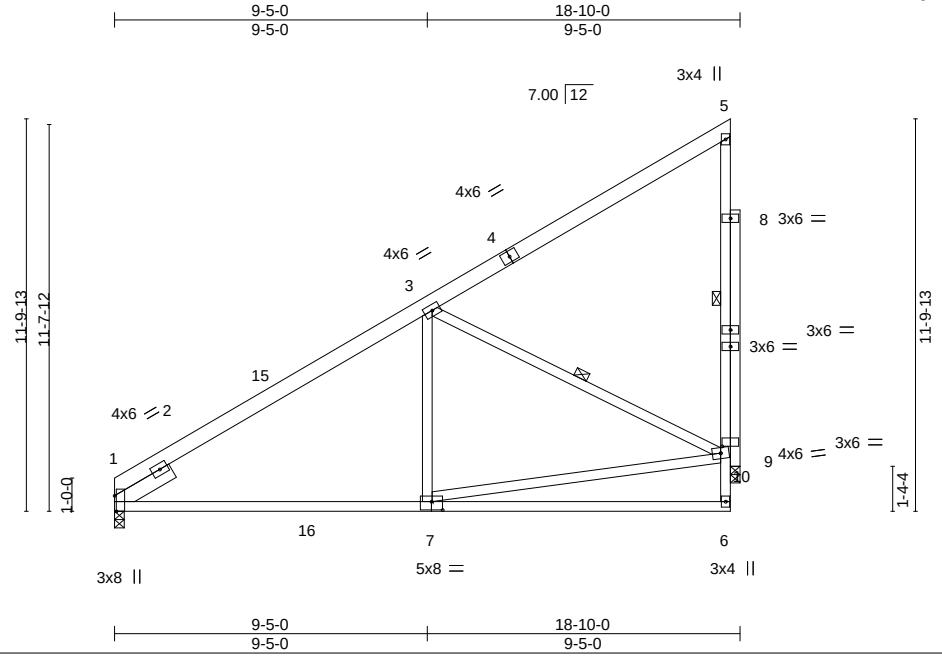

Plate Offsets (X,Y)-- [1:0-5-10,Edge], [7:0-4-0,0-3-0], [9:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.13	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.26	6-7	>851	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.02	1	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	7-13	>999	240	Weight: 147 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-6, 3-9

REACTIONS. (size) 1=0-3-8, 10=0-3-8
Max Horz 1=335(LC 11)
Max Uplift 1=-8(LC 12), 10=-168(LC 12)
Max Grav 1=740(LC 19), 10=1433(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-914/76, 9-10=-1254/231, 5-9=-839/118
BOT CHORD 1-7=-187/800
WEBS 3-7=0/316, 7-9=-303/887, 3-9=-846/200

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 4-9-10, Interior(1) 4-9-10 to 18-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 10=168.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-9-0 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: 1-5=-60, 6-11=-20
Concentrated Loads (lb)
Vert: 5=-600

April 3,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140210
PCK77	A05G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:54 2022 Page 1
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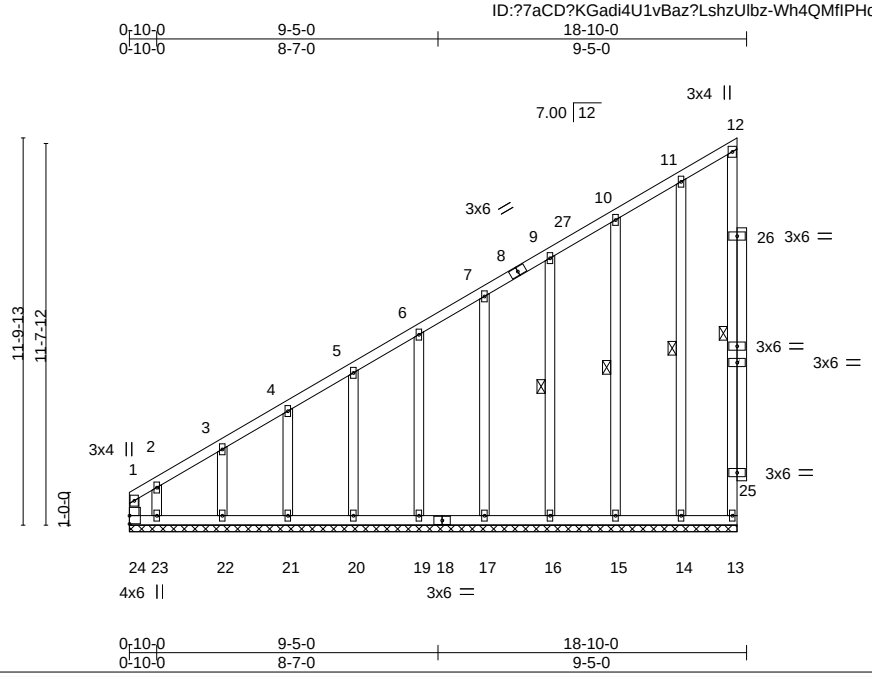

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 164 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 12-13: 2x4 SP No.2
OTHERS	2x4 SP No.3 *Except* 25-26: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 12-13, 11-14, 10-15, 9-16

REACTIONS. All bearings 18-6-8.
(lb) - Max Horz 24=342(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 13, 14, 15, 16, 17, 19, 20, 21, 22 except 24=-305(LC 10), 23=-342(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 17, 19, 20, 21, 22 except 24=480(LC 9), 13=673(LC 19), 23=310(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-24=-419/419, 1-2=-522/530, 2-3=-393/398, 3-4=-363/368, 4-5=-330/335, 5-6=-298/302, 6-7=-265/269, 12-13=-648/68
WEBS 2-23=-300/248

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 4-10-0, Interior(1) 4-10-0 to 18-4-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) 13, 14, 15, 16, 17, 19, 20, 21, 22 except (jt=lb) 24=305, 23=342.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 18-9-0 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: 1-12=-60, 13-24=-20

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 12=-600

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140211
PCK77	A06G	GABLE	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:56 2022 Page 1
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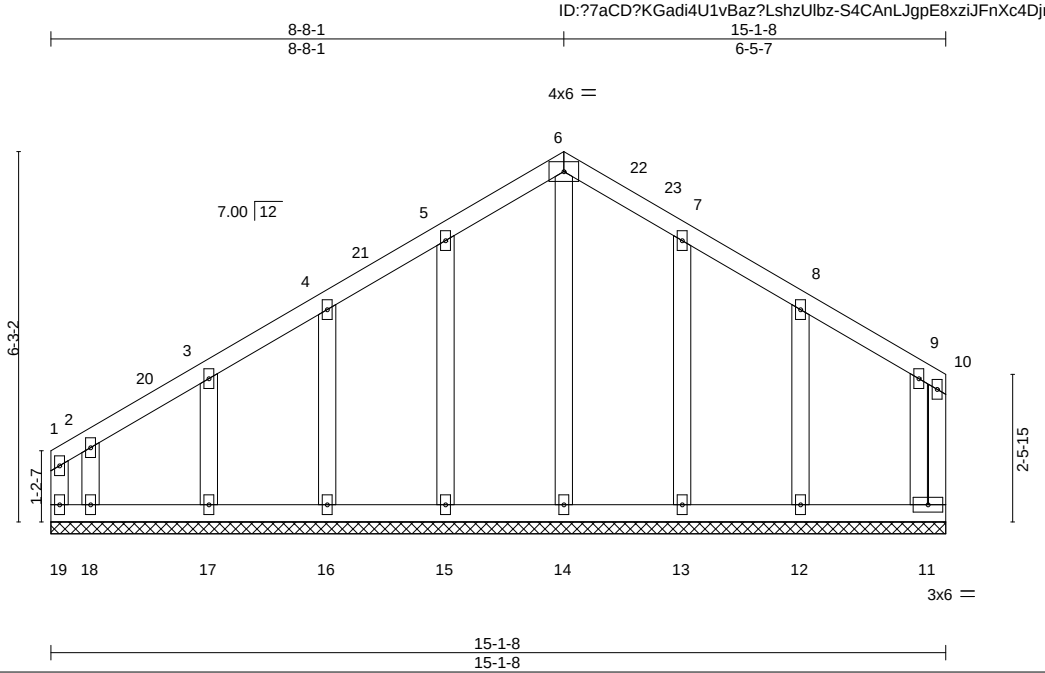

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 93 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. All bearings 15-1-8.
(lb) - Max Horz 19=139(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 11, 15, 16, 17, 13, 12 except 19=-241(LC 10), 18=-214(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 11, 14, 15, 16, 17, 13, 12 except 19=269(LC 9), 18=278(LC 10)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 4-8-1, Interior(1) 4-8-1 to 8-8-1, Exterior(2) 8-8-1 to 14-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 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) 11, 15, 16, 17, 13, 12 except (jt=lb) 19=241, 18=214.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140212
PCK77	A07	COMMON	24	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:57 2022 Page 1
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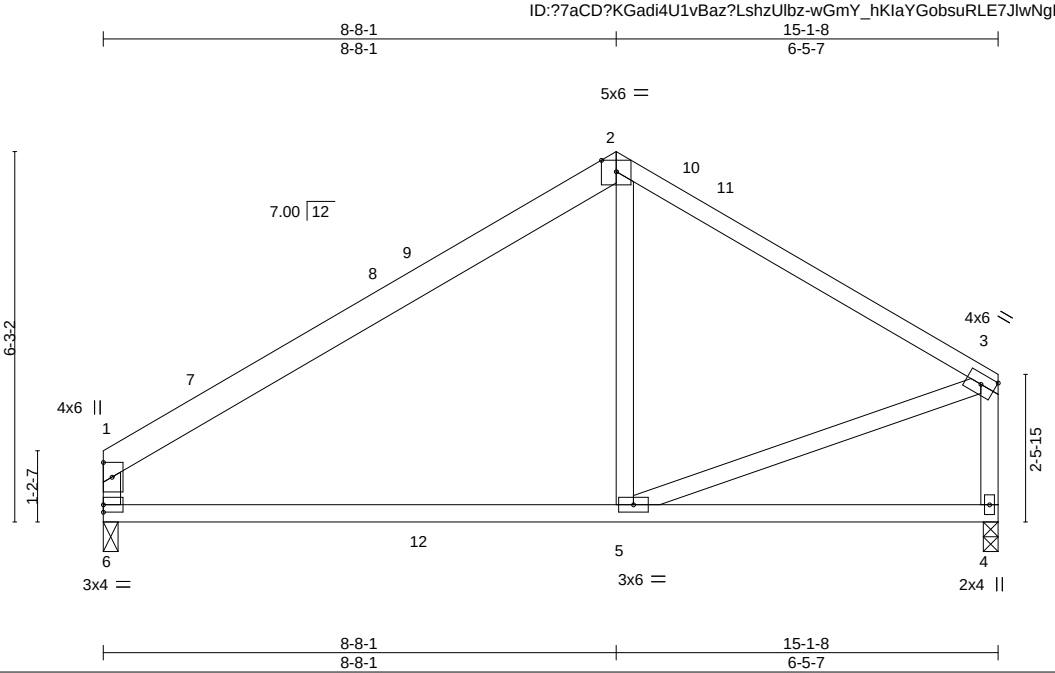

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.13	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.26	5-6	>672	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	-0.02	4-5	>999	240	Weight: 79 lb	FT = 20%

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

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

REACTIONS. (size) 6=0-3-0, 4=0-3-0
Max Horz 6=140(LC 9)
Max Uplift 6=-10(LC 12), 4=-3(LC 13)
Max Grav 6=599(LC 19), 4=593(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-508/87, 1-2=-625/66, 2-3=-584/70, 3-4=-545/73
BOT CHORD 5-6=-32/462
WEBS 3-5=0/456

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 8-8-1, Exterior(2) 8-8-1 to 14-11-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.

April 3,2022

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818 Soundside Road
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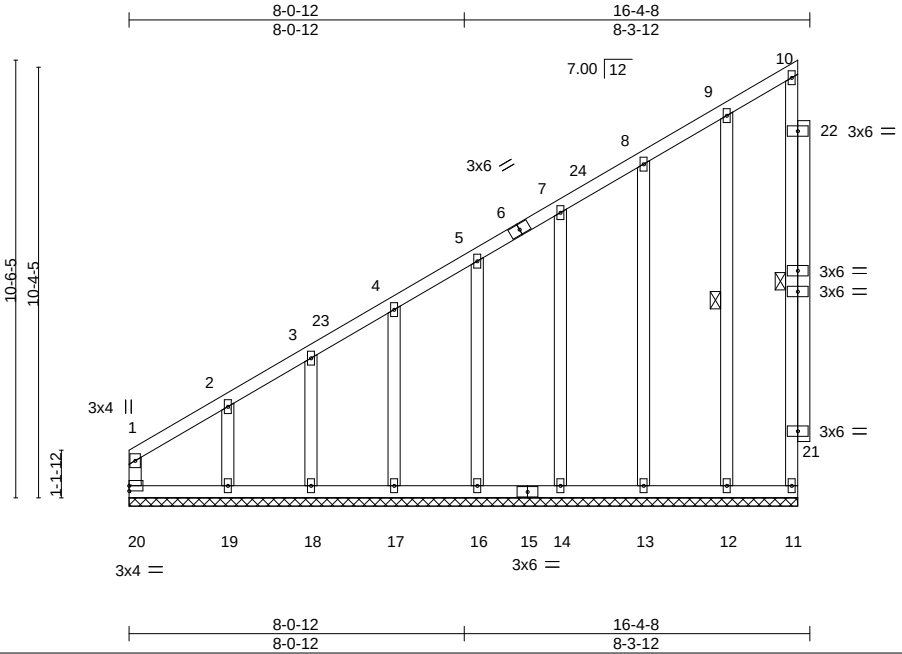
Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140213
PCK77	A08G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:58 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-OTKxB1LwLrOfC0TdvyeYI8wxhRidefBzTYLwpOzUdoh



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.32	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 136 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 10-11: 2x4 SP No.2
OTHERS	2x4 SP No.3 *Except* 21-22: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 10-11, 9-12

REACTIONS. All bearings 16-1-0.
(lb) - Max Horz 20=303(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 11, 12, 13, 14, 16, 17 except 20=-110(LC 10), 19=-179(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 14, 16, 17, 18 except 20=252(LC 9), 11=677(LC 19), 19=273(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-400/404, 2-3=-309/309, 3-4=-290/294, 4-5=-255/257, 10-11=-654/82

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-12 to 5-2-6, Interior(1) 5-2-6 to 16-2-4 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) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) 11, 12, 13, 14, 16, 17 except (jt=lb) 20=110, 19=179.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 16-6-0 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: 1-10=-60, 11-20=-20
Concentrated Loads (lb)
Vert: 10=-600

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140214
PCK77	A09	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:34:58 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-OTKxB1LwLrOfC0TdvyeYI8wrrRc?eczzTYLwpOzUdoh

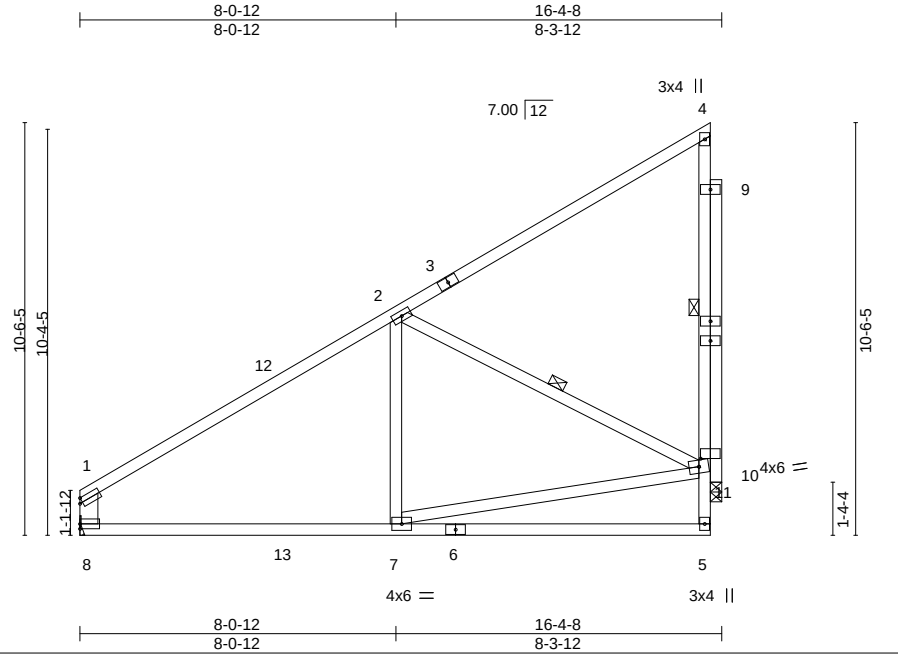

Plate Offsets (X,Y)-- [10:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.10	5-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.24	5-7	>795	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	-0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.04	5-7	>999	240	Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-8: 2x6 SP No.2, 4-5: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 2-10

REACTIONS. (size) 8=Mechanical, 11=0-3-8
Max Horz 8=303(LC 11)
Max Uplift 8=-3(LC 12), 11=-155(LC 12)
Max Grav 8=628(LC 1), 11=1342(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-530/77, 1-2=-748/70, 10-11=-1171/239, 4-10=-854/118
BOT CHORD 7-8=-186/626
WEBS 2-7=0/259, 7-10=-287/720, 2-10=-640/173

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 5-3-6, Interior(1) 5-3-6 to 16-2-4 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) All plates are 3x6 MT20 unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 11 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) 8 except (jt=lb) 11=155.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-600

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140215
PCK77	A09A	MONO TRUSS	7	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:00 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-KrShciMAtTeNSJc00Ng0NZ?DbFE96NDGxsq1uGzUdof

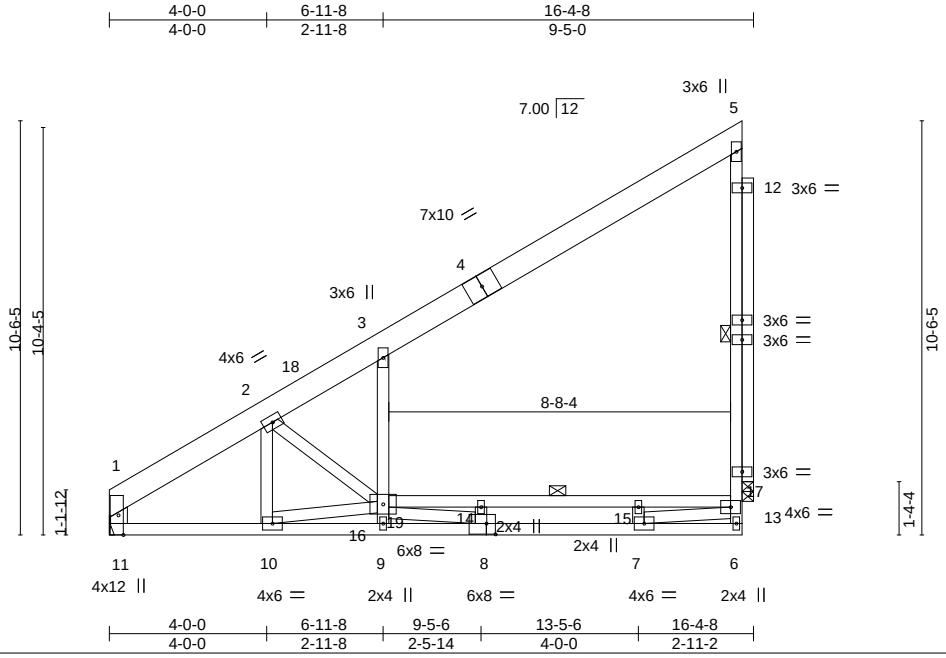

Plate Offsets (X,Y)-- [8:0-2-12,0-3-4], [11:0-6-0,Edge]

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	0.76	Vert(LL)	-0.26	8-9	>721	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.48	8-9	>393	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.02	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.24	8-9	>780	240	Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 SP DSS
BOT CHORD 2x4 SP No.1 *Except*
6-8: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-11: 2x6 SP No.2, 5-6,13-16,7-13: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-6, 13-16

REACTIONS. (size) 11=Mechanical, 17=0-3-8
Max Horz 11=298(LC 11)
Max Uplift 11=-5(LC 12), 17=-153(LC 12)
Max Grav 11=644(LC 19), 17=1464(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-585/53, 1-2=-855/62, 2-3=-350/76, 13-17=0/523, 5-17=-1017/162
BOT CHORD 10-11=-242/767, 9-10=-666/2747, 8-9=-705/2939, 7-8=-171/1743, 6-7=-380/173
WEBS 3-16=0/367, 14-16=-1704/239, 14-15=-1715/248, 13-15=-1716/248, 7-13=-215/2093, 2-10=-86/487, 10-16=-2021/557, 2-16=-879/251, 8-16=-1364/556

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 5-3-6, Interior(1) 5-3-6 to 16-2-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 17 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) 11 except (jt=lb) 17=153.
7) n/a
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 16-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-5=-60, 6-11=-20
Concentrated Loads (lb)
Vert: 5=-600

2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-50, 6-11=-20, 13-19=-30(F)
Concentrated Loads (lb)
Vert: 5=-525

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-20, 6-11=-40, 13-19=-40(F)
Concentrated Loads (lb)
Vert: 5=-450

18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-5=-20, 6-11=-20, 13-19=-40(F)
Concentrated Loads (lb)
Vert: 5=-300

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-58, 6-11=-20, 13-19=-30(F)
Horz: 1-11=16, 1-5=8, 5-6=6
Drag: 5-12=0
Concentrated Loads (lb)
Vert: 5=-616

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-44, 6-11=-20, 13-19=-30(F)
Horz: 1-11=-6, 1-5=-6, 5-6=-16
Drag: 5-12=-0
Concentrated Loads (lb)
Vert: 5=-550

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-34, 6-11=-20, 13-19=-30(F)
Horz: 1-11=15, 1-5=-16, 5-6=5
Drag: 5-12=0
Concentrated Loads (lb)
Vert: 5=-610

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-44, 6-11=-20, 13-19=-30(F)
Horz: 1-11=-5, 1-5=-6, 5-6=-15
Drag: 5-12=-0
Concentrated Loads (lb)
Vert: 5=-550

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140216
PCK77	A10	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:01 2022 Page 1
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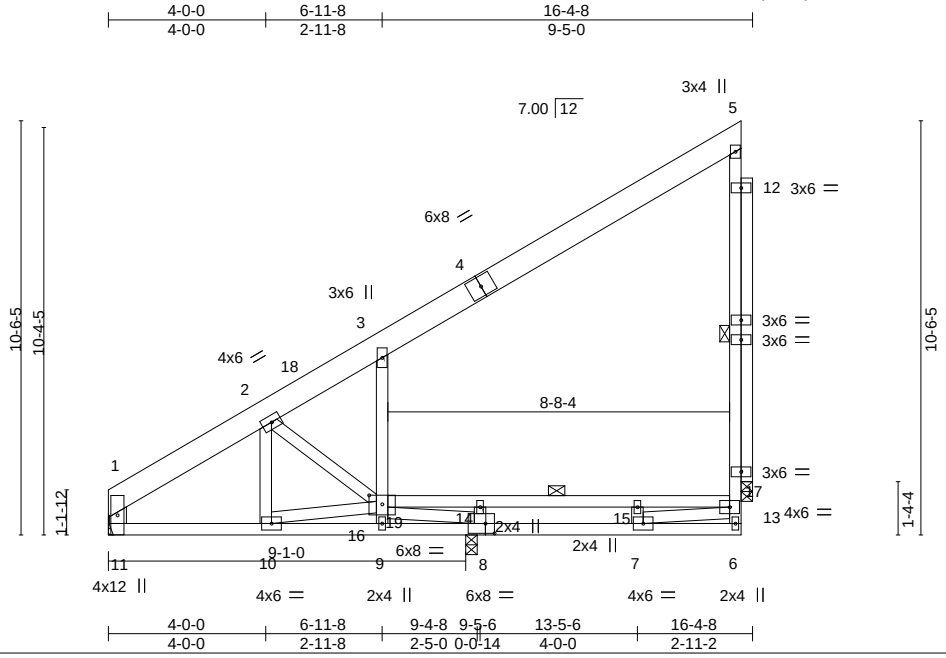

Plate Offsets (X,Y)-- [8:0-2-12,0-3-0], [16:0-4-0,0-2-12]

LOADING (psf)		SPACING- 2-6-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.06	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.11	9-10	>981	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	-0.02	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.07	9-10	>999	240	Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x8 SP DSS
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-11: 2x6 SP No.2, 5-6,13-16,7-13: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-6, 13-16

REACTIONS. (size) 11=Mechanical, 8=0-3-8, 17=0-3-8
Max Horz 11=372(LC 9)
Max Uplift 8=-190(LC 12), 17=-66(LC 12)
Max Grav 11=487(LC 20), 8=966(LC 19), 17=1053(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-436/28, 1-2=-576/13, 2-3=-322/353, 3-5=-287/229, 13-17=-5/267, 5-17=-946/160
BOT CHORD 10-11=-240/537, 9-10=-507/1698, 8-9=-529/1795, 7-8=-382/239, 6-7=-273/199
WEBS 3-16=-573/241, 14-16=-351/498, 14-15=-353/514, 13-15=-354/514, 7-13=-460/422, 2-10=-72/425, 10-16=-1285/463, 2-16=-512/201, 8-16=-2041/769

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 5-3-6, Interior(1) 5-3-6 to 16-2-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 17 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) 17 except (jt=lb) 8=190.
7) n/a
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 616 lb down and 51 lb up at 16-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-75, 6-11=-25

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT
April 3,2022

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

LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 5=-600

2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-63, 6-11=-25, 13-19=-30(F)
Concentrated Loads (lb)
Vert: 5=-525

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-25, 6-11=-50, 13-19=-40(F)
Concentrated Loads (lb)
Vert: 5=-450

18) Dead + Uninhabitable Attic Storage: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-5=-25, 6-11=-25, 13-19=-40(F)
Concentrated Loads (lb)
Vert: 5=-300

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-73, 6-11=-25, 13-19=-30(F)
Horz: 1-11=20, 1-5=10, 5-6=7
Drag: 5-12=0
Concentrated Loads (lb)
Vert: 5=-616

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-54, 6-11=-25, 13-19=-30(F)
Horz: 1-11=-7, 1-5=-8, 5-6=-20
Drag: 5-12=-0
Concentrated Loads (lb)
Vert: 5=-550

21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-42, 6-11=-25, 13-19=-30(F)
Horz: 1-11=18, 1-5=-21, 5-6=6
Drag: 5-12=0
Concentrated Loads (lb)
Vert: 5=-610

22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=-54, 6-11=-25, 13-19=-30(F)
Horz: 1-11=-6, 1-5=-8, 5-6=-18
Drag: 5-12=-0
Concentrated Loads (lb)
Vert: 5=-550

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140217
PCK77	A12	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:01 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-p2?3q2NodmmE3TBCa4BFwmYKEffdryDQ9WZaQizUdoe

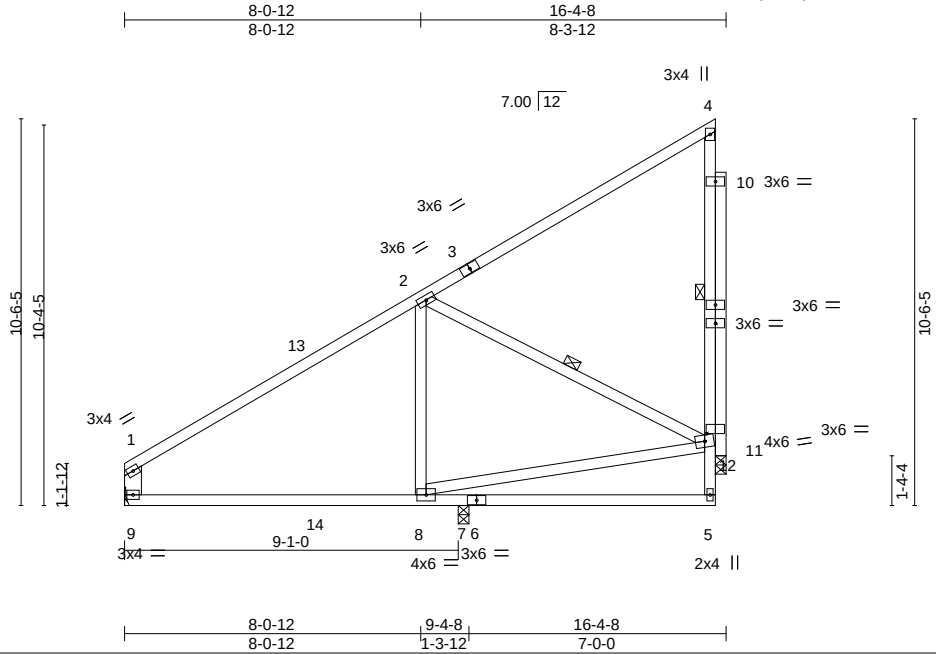

Plate Offsets (X,Y)-- [11:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.09	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.20	8-9	>528	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	-0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.02	8-9	>999	240	Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-9: 2x6 SP No.2, 4-5: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 2-11

REACTIONS. (size) 9=Mechanical, 12=0-3-8, 7=0-3-8
Max Horz 9=303(LC 9)
Max Uplift 9=-37(LC 12), 12=-200(LC 12)
Max Grav 9=534(LC 19), 12=1224(LC 19), 7=280(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-426/100, 1-2=-536/109, 11-12=-1105/290, 4-11=-849/121
BOT CHORD 8-9=-285/568
WEBS 8-11=-365/683, 2-11=-493/229

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 5-3-6, Interior(1) 5-3-6 to 16-2-4 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, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 12 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) 9 except (jt=lb) 12=200.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-4=-60, 5-9=-20
Concentrated Loads (lb)
Vert: 4=-600

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140218
PCK77	A13	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:02 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-HEZR1OOQO4u5hdmO8njUS_5WF3_5aQ6ZOAJ8y9zUdod

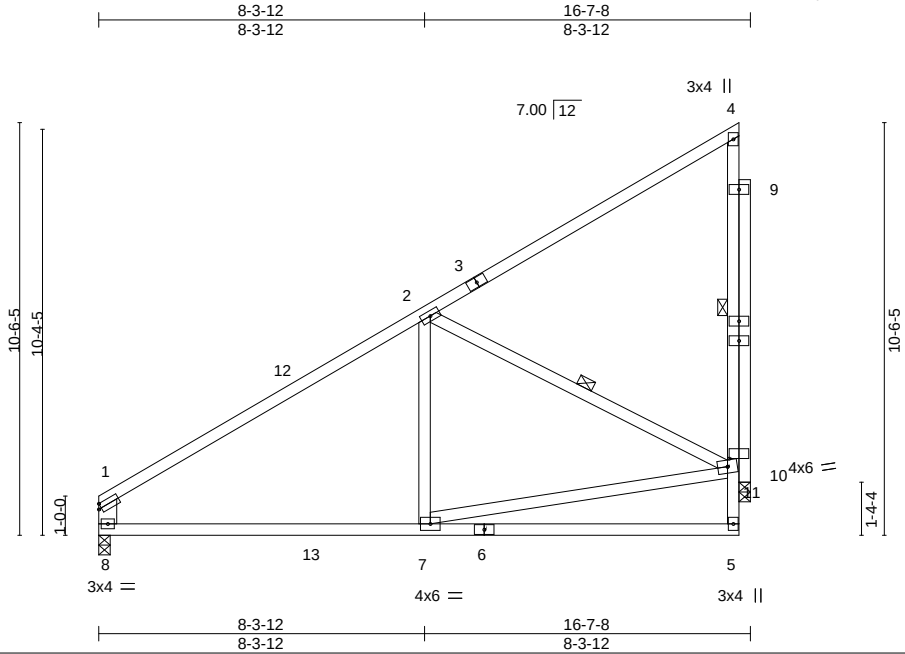

Plate Offsets (X,Y)-- [10:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.09	5-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.21	5-7	>914	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	-0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.03	5-7	>999	240	Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-8: 2x6 SP No.2, 4-5: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 2-10

REACTIONS. (size) 8=0-3-8, 11=0-3-8
Max Horz 8=303(LC 9)
Max Uplift 8=-4(LC 12), 11=-155(LC 12)
Max Grav 8=638(LC 1), 11=1352(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-545/79, 1-2=-776/69, 10-11=-1185/234, 4-10=-850/117
BOT CHORD 7-8=-180/649
WEBS 2-7=0/269, 7-10=-278/734, 2-10=-666/174

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-2-12 to 5-0-6, Interior(1) 5-0-6 to 16-2-4 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) All plates are 3x6 MT20 unless otherwise indicated.
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) Bearing at joint(s) 11 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) 8 except (jt=lb) 11=155.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-600

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140219
PCK77	A14	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:03 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-lQ7qFkP39O0yJnLbiVEj?BdhVSKzJtOjdq2hUbzUdoc

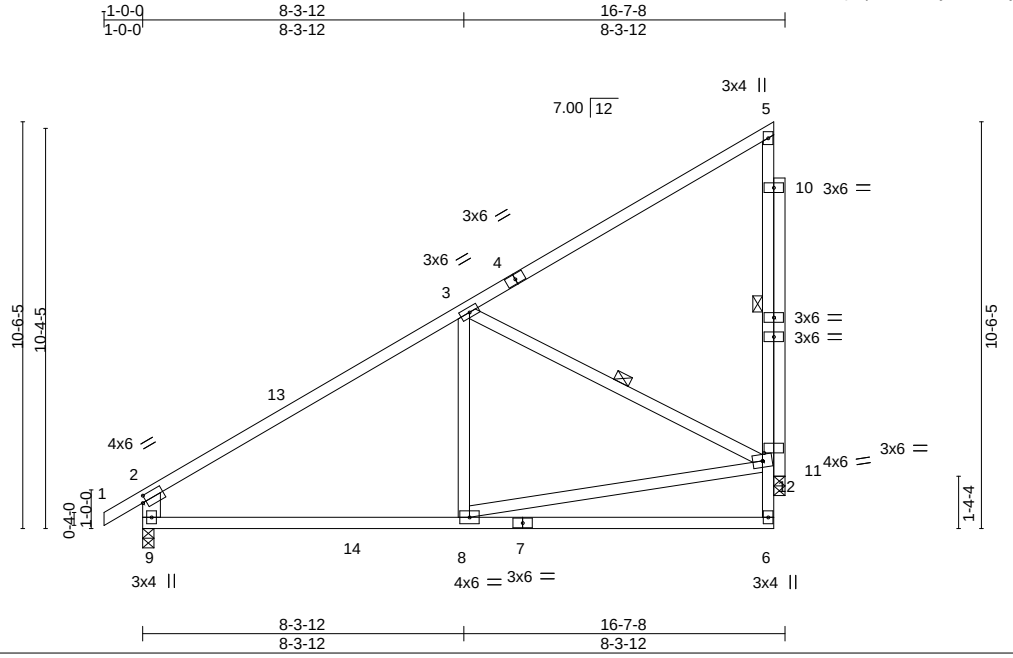

Plate Offsets (X,Y)-- [2:0-1-3,0-2-0], [11:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	-0.09	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.19	6-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.03	6-8	>999	240	Weight: 114 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-9: 2x6 SP No.2, 5-6: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-6, 3-11

REACTIONS. (size) 9=0-3-8, 12=0-3-8
Max Horz 9=313(LC 9)
Max Uplift 9=-22(LC 12), 12=-155(LC 12)
Max Grav 9=715(LC 1), 12=1349(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-633/117, 2-3=-781/67, 11-12=-1189/232, 5-11=-853/117
BOT CHORD 8-9=-179/646
WEBS 3-8=0/277, 8-11=-277/736, 3-11=-663/174

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 3-9-10, Interior(1) 3-9-10 to 16-2-4 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, with BCDL = 10.0psf.
4) Bearing at joint(s) 12 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) 9 except (jt=lb) 12=155.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-2=-60, 2-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 5=-600

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140220
PCK77	A15	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:04 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-DdhCS4Qhwh8pwxwnFClyXPAswsfk2K4ssUoE11zUdob

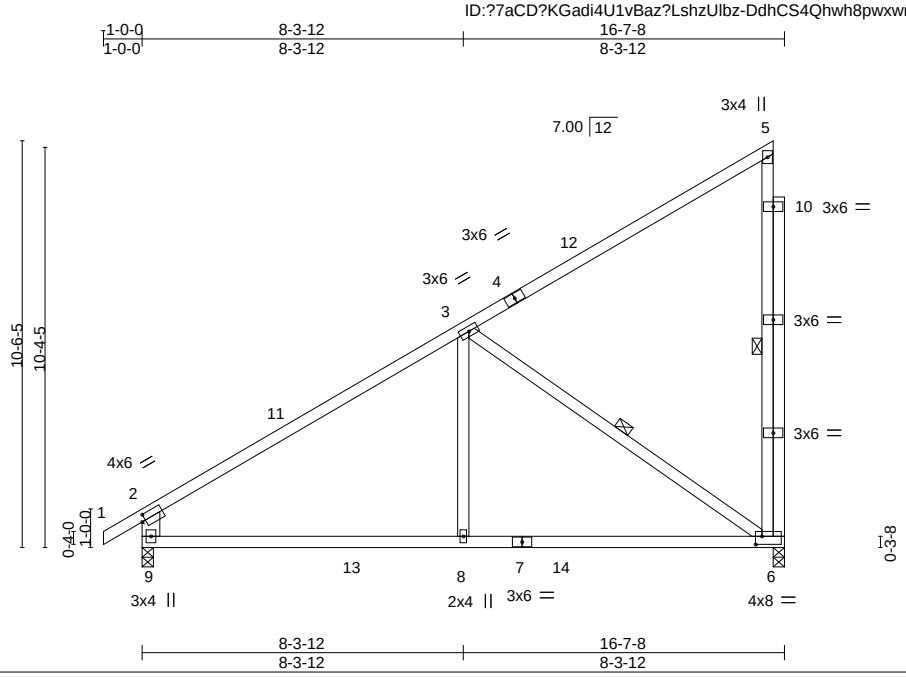

Plate Offsets (X,Y)-- [2:0-1-3,0-2-0], [6:0-2-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.10	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.21	6-8	>915	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	-0.05	6-8	>999	240	Weight: 106 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	2-9: 2x6 SP No.2, 5-6: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

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

REACTIONS. (size) 9=0-3-8, 6=0-3-8
Max Horz 9=313(LC 9)
Max Uplift 9=-24(LC 12), 6=-154(LC 12)
Max Grav 9=745(LC 19), 6=1382(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-655/119, 2-3=-856/69, 5-6=-853/164
BOT CHORD 8-9=-191/711, 6-8=-191/711
WEBS 3-8=0/365, 3-6=-796/174

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 3-9-10, Interior(1) 3-9-10 to 16-2-4 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, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 6=154.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-2=-60, 2-5=-60, 6-9=-20
Concentrated Loads (lb)
Vert: 5=-600

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140221
PCK77	A16	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:04 2022 Page 1
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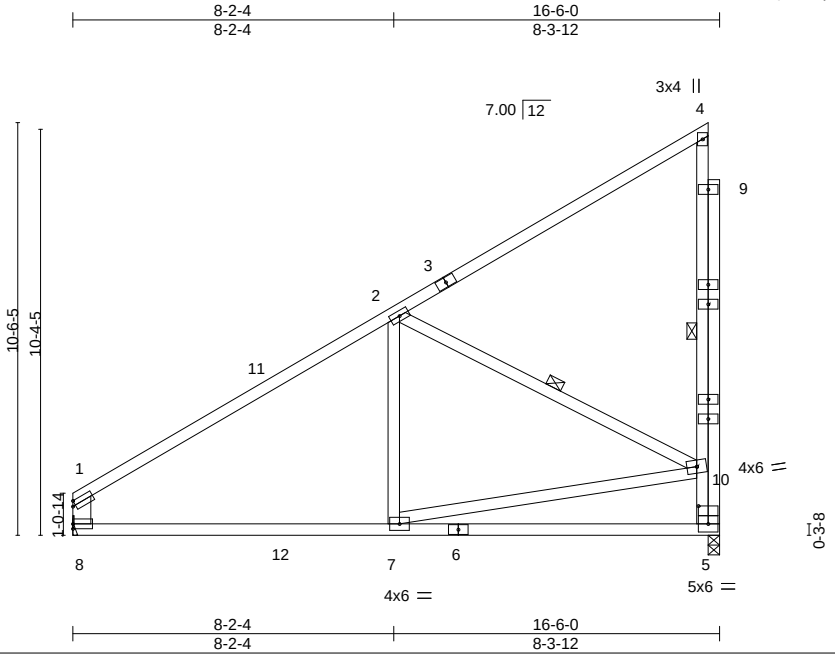

Plate Offsets (X,Y)-- [10:0-0-8,1-0-1]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.10	5-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.23	5-7	>830	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.04	5-7	>999	240	Weight: 114 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	1-8: 2x6 SP No.2, 4-5: 2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-5, 2-10

REACTIONS. (size) 8=Mechanical, 5=0-3-8
Max Horz 8=303(LC 9)
Max Uplift 8=-5(LC 12), 5=-154(LC 12)
Max Grav 8=645(LC 1), 5=1337(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-548/78, 1-2=-777/70, 5-10=-1263/202, 4-10=-847/115
BOT CHORD 7-8=-184/654
WEBS 2-7=0/270, 7-10=-285/686, 2-10=-660/178

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 5-1-14, Interior(1) 5-1-14 to 16-2-4 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) All plates are 3x6 MT20 unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 5=154.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-600

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140222
PCK77	A17	MONO TRUSS	4	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:05 2022 Page 1
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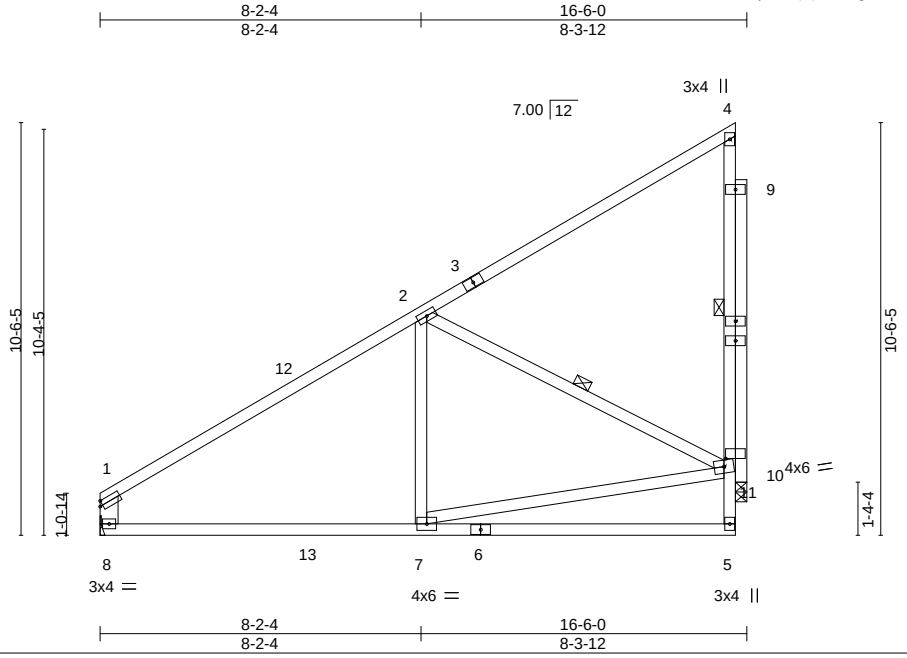

Plate Offsets (X,Y)-- [10:0-0-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.10	5-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.64	Vert(CT)	-0.22	5-7	>852	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	-0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	-0.04	5-7	>999	240	Weight: 112 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-8: 2x6 SP No.2, 4-5: 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 2-10

REACTIONS. (size) 8=Mechanical, 11=0-3-8
Max Horz 8=303(LC 9)
Max Uplift 8=-4(LC 12), 11=-155(LC 12)
Max Grav 8=633(LC 1), 11=1347(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-538/78, 1-2=-762/69, 10-11=-1178/236, 4-10=-852/117
BOT CHORD 7-8=-183/637
WEBS 2-7=0/264, 7-10=-282/727, 2-10=-653/174

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 5-1-14, Interior(1) 5-1-14 to 16-2-4 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) All plates are 3x6 MT20 unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 11 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) 8 except (jt=lb) 11=155.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-600

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140223
PCK77	A18G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:06 2022 Page 1
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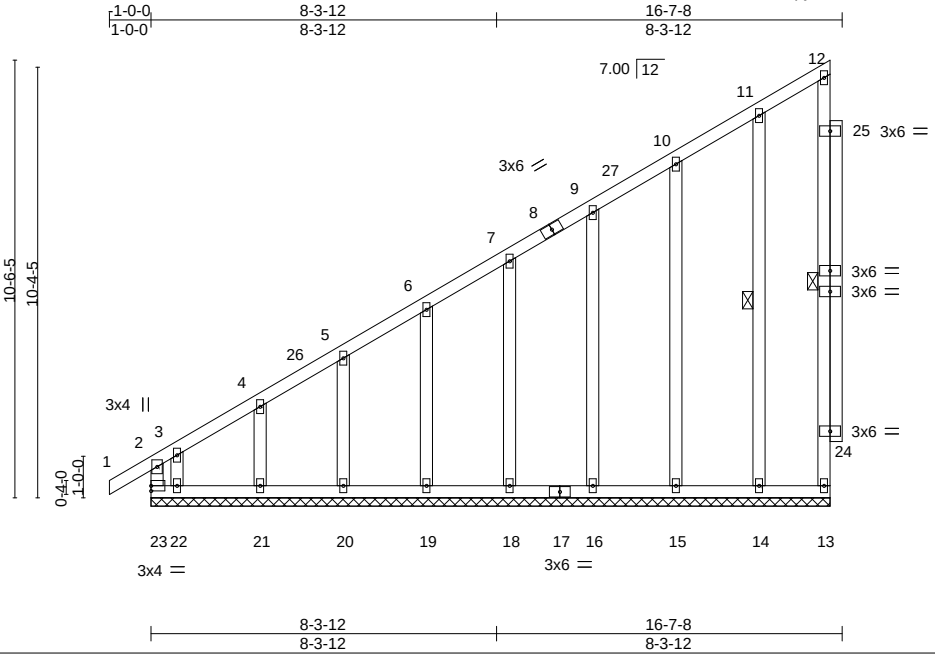


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.00	2	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.00	2	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR							Weight: 140 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 12-13: 2x4 SP No.2
OTHERS	2x4 SP No.3 *Except* 24-25: 2x4 SP No.2

BRACING-

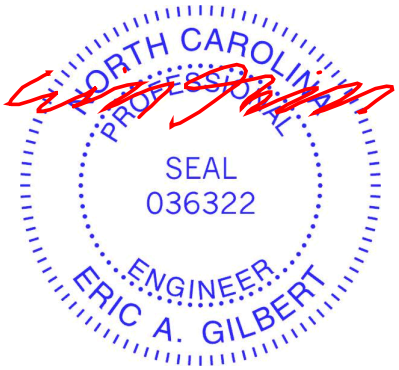
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 12-13, 11-14

REACTIONS. All bearings 16-4-0.
(lb) - Max Horz 23=312(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 13, 14, 15, 16, 18, 19, 20, 21 except 23=-289(LC 10), 22=-407(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 18, 19, 20, 21 except 23=533(LC 9), 13=704(LC 19), 22=319(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-442/373, 2-3=-505/492, 3-4=-355/358, 4-5=-321/323, 5-6=-289/291, 6-7=-256/258, 12-13=-682/79
WEBS 3-22=-306/292

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 3-9-10, Interior(1) 3-9-10 to 16-2-4 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) 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) All plates are 2x4 MT20 unless otherwise indicated.
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) 13, 14, 15, 16, 18, 19, 20, 21 except (jt=lb) 23=289, 22=407.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 646 lb down and 51 lb up at 16-6-0 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: 1-2=-60, 2-12=-60, 13-23=-20



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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 12=-600

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140224
PCK77	B01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:07 2022 Page 1
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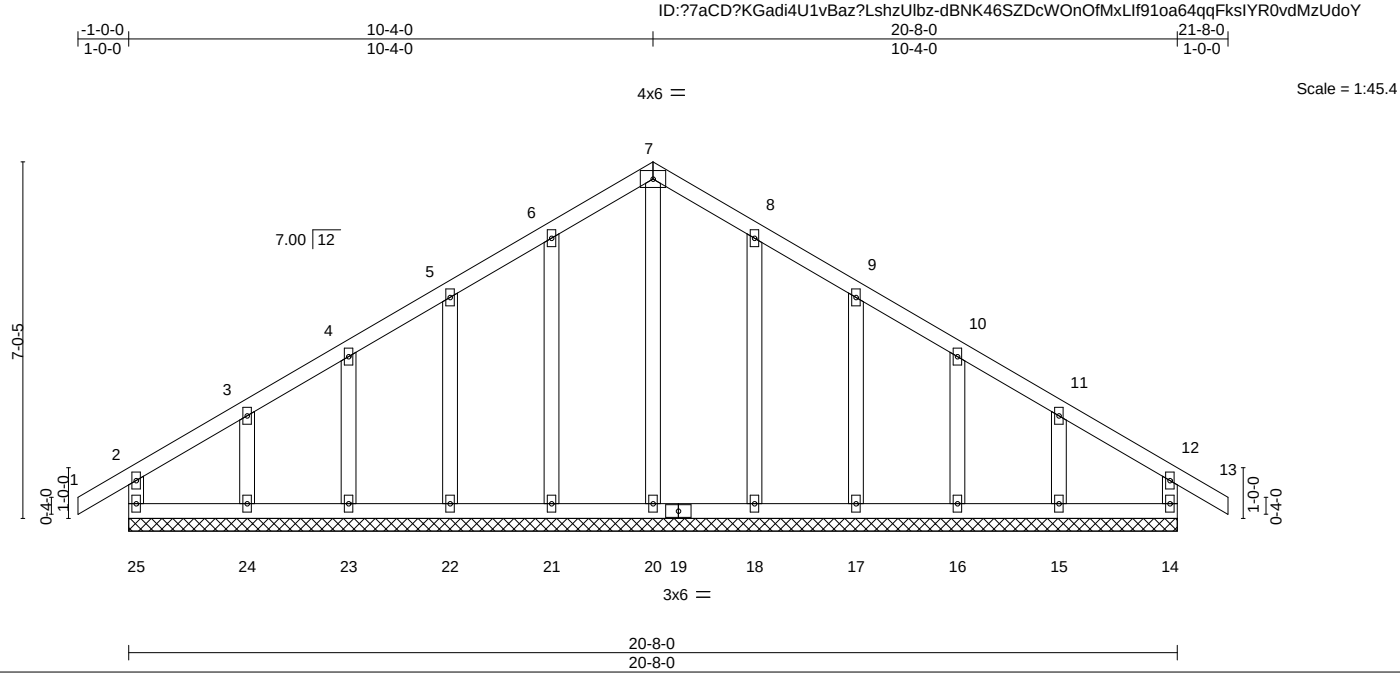

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 124 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. All bearings 20-8-0.
(lb) - Max Horz 25=153(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 25, 14, 21, 22, 23, 24, 18, 17, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 25, 14, 20, 21, 22, 23, 24, 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=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-11-15 to 3-9-10, Exterior(2) 3-9-10 to 10-4-0, Corner(3) 10-4-0 to 15-1-10, Exterior(2) 15-1-10 to 21-7-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 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 2-0-0 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) 25, 14, 21, 22, 23, 24, 18, 17, 16, 15.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140225
PCK77	B02	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:08 2022 Page 1
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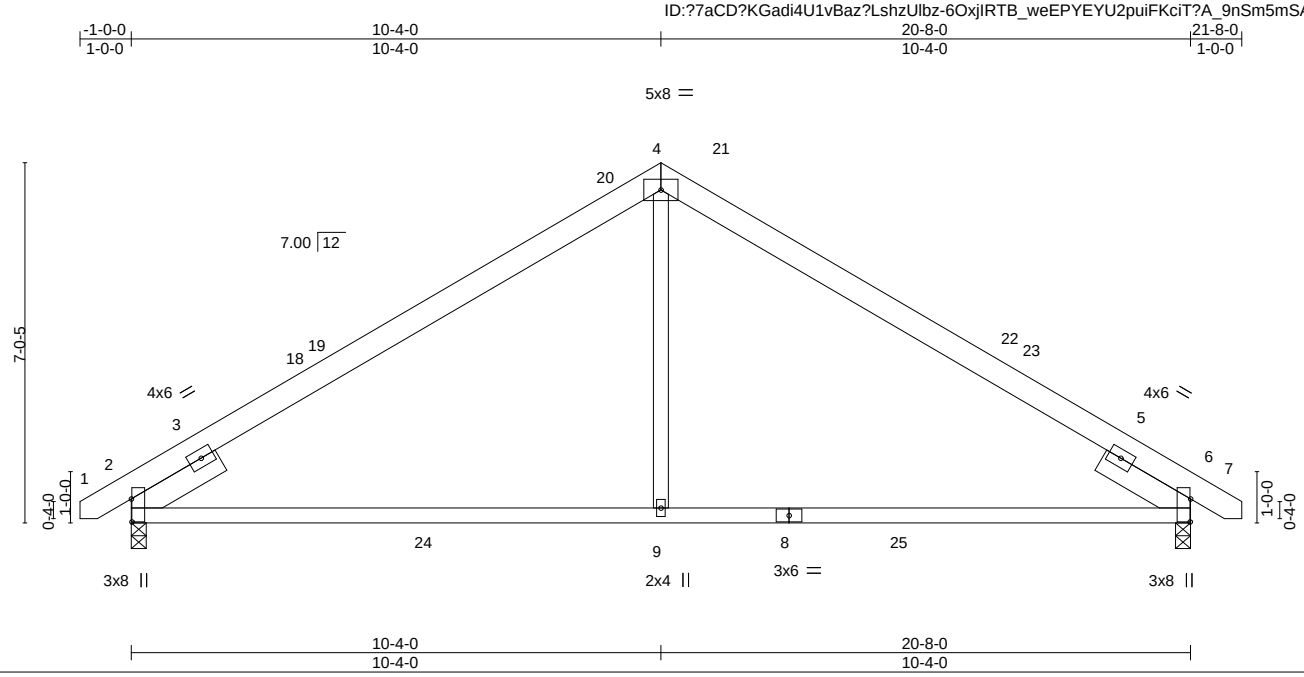

Plate Offsets (X,Y)-- [2:0-5-6,0-0-2], [6:0-5-6,0-0-2]

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	0.69	Vert(LL)	-0.17	9-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.75	Vert(CT)	-0.32	9-16	>771	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.05	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.13	9-16	>999	240	Weight: 111 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=128(LC 11)
Max Uplift 2=-17(LC 12), 6=-17(LC 13)
Max Grav 2=941(LC 19), 6=940(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1101/86, 4-6=-1100/85
BOT CHORD 2-9=0/890, 6-9=0/890
WEBS 4-9=0/523

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-0 to 3-11-10, Interior(1) 3-11-10 to 10-4-0, Exterior(2) 10-4-0 to 17-1-7, Interior(1) 17-1-7 to 21-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK
PCK77	B03GR	COMMON	1	2	I51140226
					Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:09 2022 Page 1
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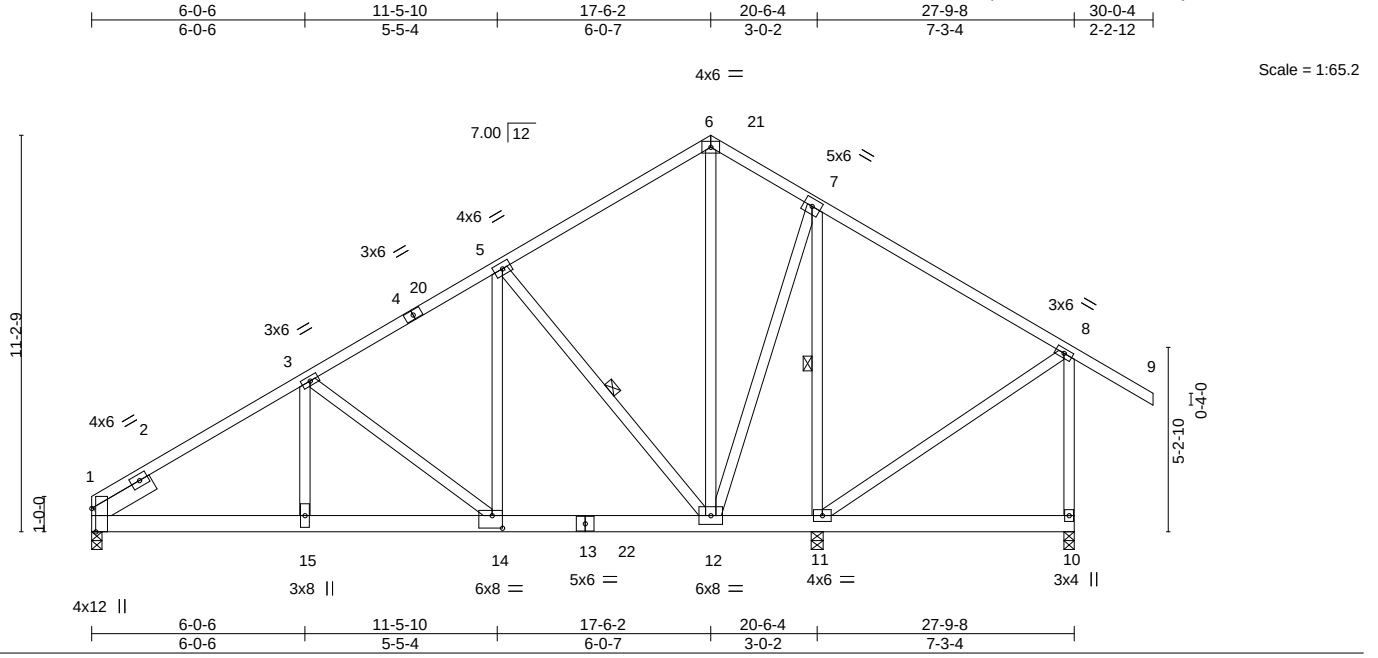

Plate Offsets (X,Y)-- [1:0-7-15,Edge], [14:0-3-8,0-4-4]

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	0.59	Vert(LL)	-0.09	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.96	Vert(CT)	-0.17	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.58	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.06	12-14	>999	240	Weight: 444 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 5-12, 7-11

REACTIONS. (size) 10=0-3-8, 1=0-3-8, 11=0-4-1
Max Horz 1=268(LC 7)
Max Uplift 10=-59(LC 9), 1=-277(LC 8), 11=-445(LC 9)
Max Grav 10=746(LC 20), 1=3904(LC 15), 11=6889(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-4752/356, 3-5=-3079/252, 5-6=-704/120, 6-7=-673/137, 7-8=-50/683, 8-10=-42/564
BOT CHORD 1-15=-355/4178, 14-15=-355/4178, 12-14=-170/2750, 11-12=-587/91
WEBS 3-15=-95/1696, 3-14=-1791/233, 5-14=-235/3417, 5-12=-3357/309, 6-12=-114/462, 7-12=-200/3382, 7-11=-4064/265, 8-11=-741/133

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 1=277, 11=445.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-60, 6-8=-60, 8-9=-60, 10-16=-345(F=-325)

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140227
PCK77	B04G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:10 2022 Page 1
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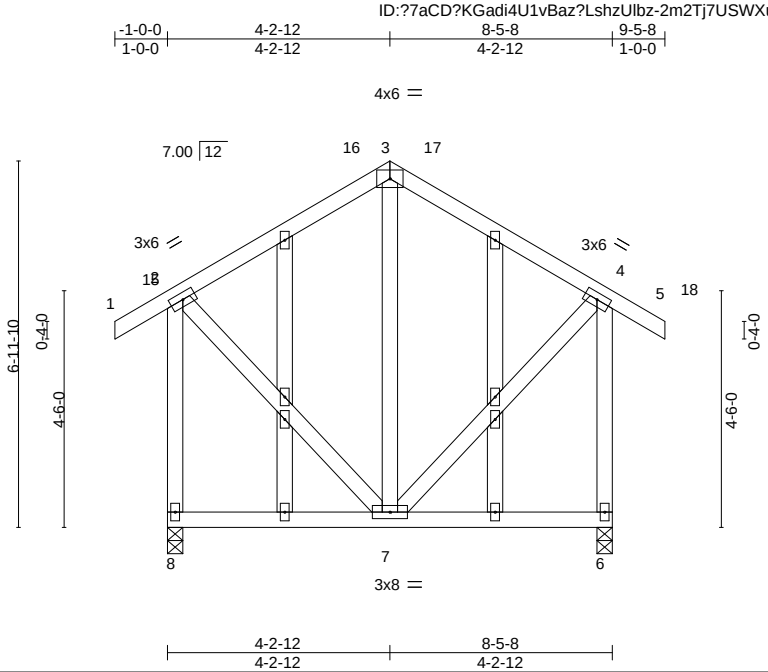

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	-0.01	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.01	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.00	7-8	>999	240	Weight: 84 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) 8=0-3-8, 6=0-3-8
Max Horz 8=-183(LC 10)
Max Uplift 8=-35(LC 12), 6=-35(LC 13)
Max Grav 8=395(LC 1), 6=395(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-360/139, 4-6=-360/140

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-11-15 to 3-9-10, Interior(1) 3-9-10 to 4-2-12, Exterior(2) 4-2-12 to 9-0-6, Interior(1) 9-0-6 to 9-5-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 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) 8, 6.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140228
PCK77	B05G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:11 2022 Page 1
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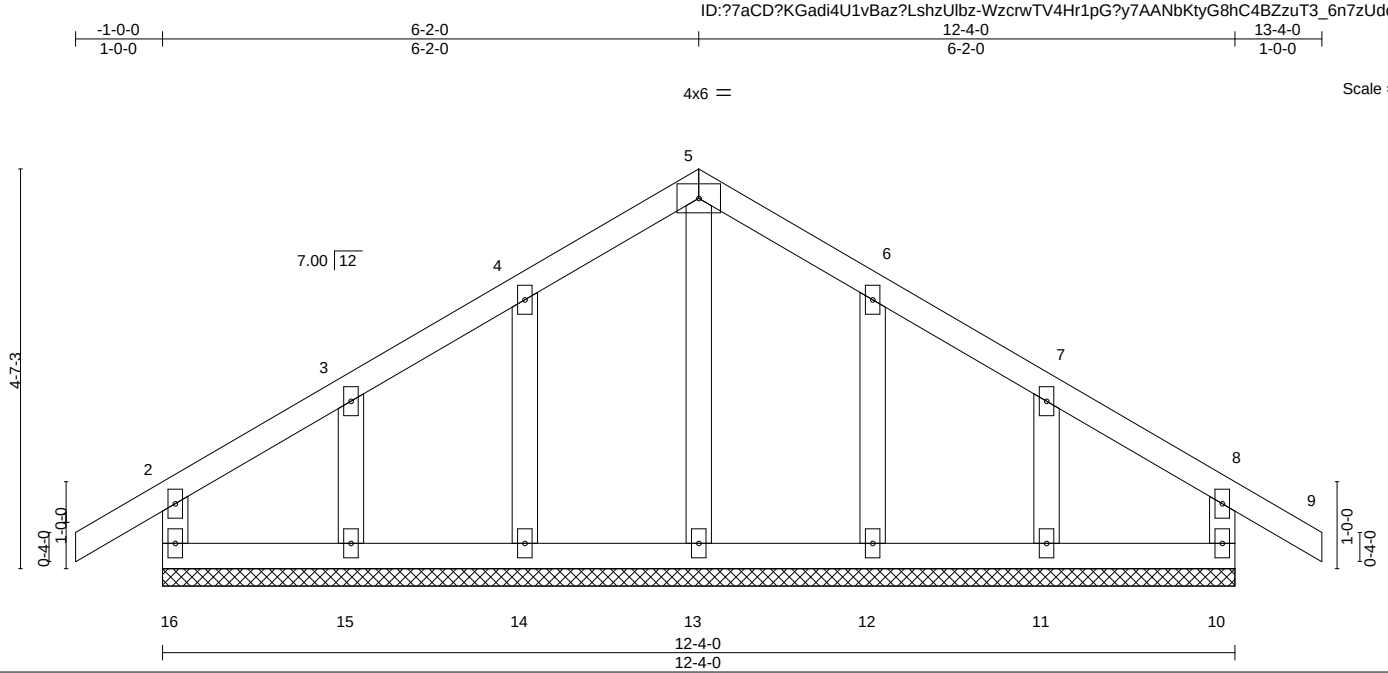

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 65 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 12-4-0.
(lb) - Max Horz 16=-105(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 14, 15, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12, 11

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-11-15 to 3-9-10, Exterior(2) 3-9-10 to 6-2-0, Corner(3) 6-2-0 to 10-11-10, Exterior(2) 10-11-10 to 13-3-15 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 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 2-0-0 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) 16, 10, 14, 15, 12, 11.

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140229
PCK77	B06GR	COMMON	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:12 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-_9AD7pWi299gu9XJjuuqs5VDI5OCwwp1hjkgJazUdoT

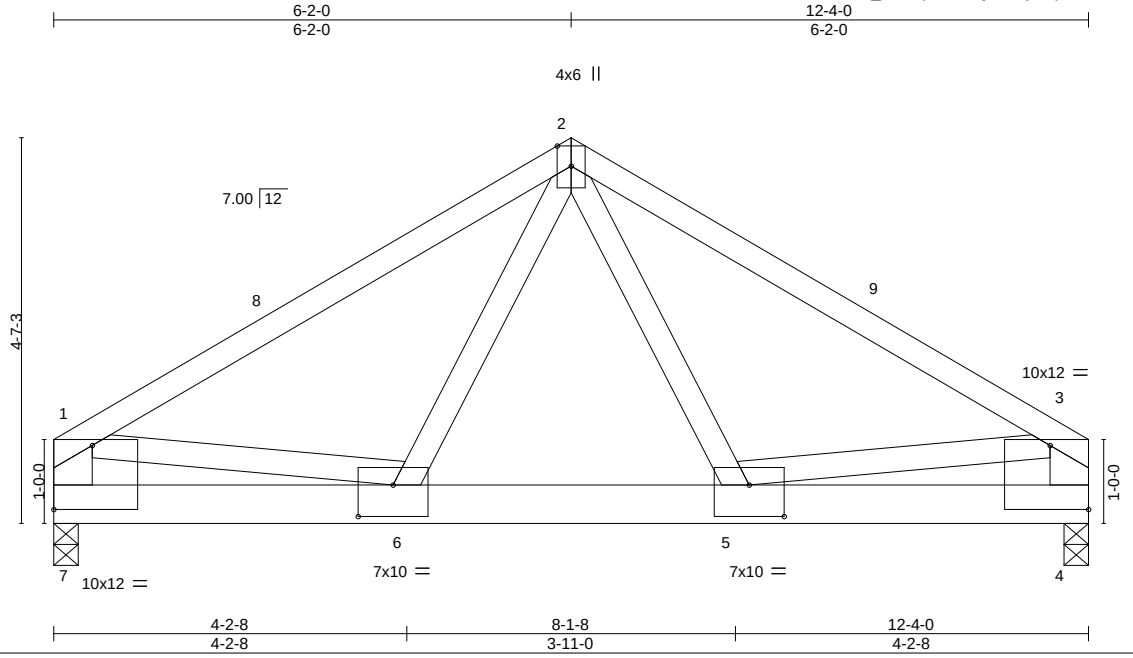

Plate Offsets (X,Y)-- [3:Edge,0-9-3], [5:0-5-0,0-4-8], [6:0-5-0,0-4-8], [7:Edge,0-9-3]

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	0.97	Vert(LL)	-0.04	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.68	Vert(CT)	-0.09	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.03	5-6	>999	240	Weight: 77 lb	FT = 20%

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

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

REACTIONS. (size) 7=0-3-8, 4=0-3-8
Max Horz 7=89(LC 5)
Max Uplift 7=-169(LC 8), 4=-169(LC 9)
Max Grav 7=2444(LC 15), 4=2423(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-1752/142, 1-2=-2623/196, 2-3=-2636/196, 3-4=-1728/141
BOT CHORD 6-7=-132/669, 5-6=-103/1703, 4-5=-98/584
WEBS 2-5=-68/1244, 3-5=-90/1699, 2-6=-68/1269, 1-6=-89/1654

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 7=169, 4=169.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-7=-335(F=-315)

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140230
PCK77	CV01	JACK	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:12 2022 Page 1
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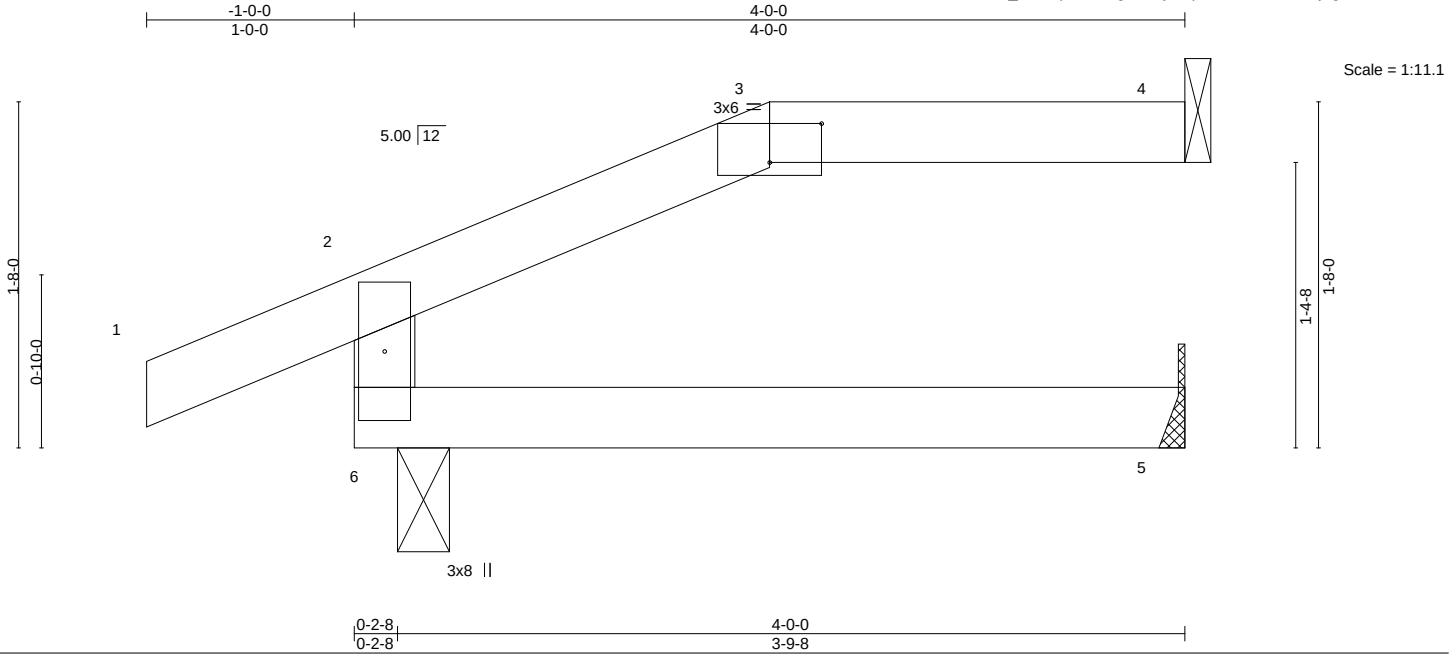

Plate Offsets (X,Y)-- [3:0-3-0,0-2-4]

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	0.22	Vert(LL)	-0.01	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.01	5-6	>999	240	Weight: 14 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 4-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-0, 5=Mechanical, 4=Mechanical
Max Horz 6=34(LC 5)
Max Uplift 6=-23(LC 4), 4=-29(LC 5)
Max Grav 6=232(LC 1), 5=71(LC 3), 4=101(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.
9) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 2-4-0 end setback.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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=-61(F=-1), 5-6=-20(F=-0), 3-4=-61(F=-1)

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140231
PCK77	CV02	JACK	3	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:13 2022 Page 1
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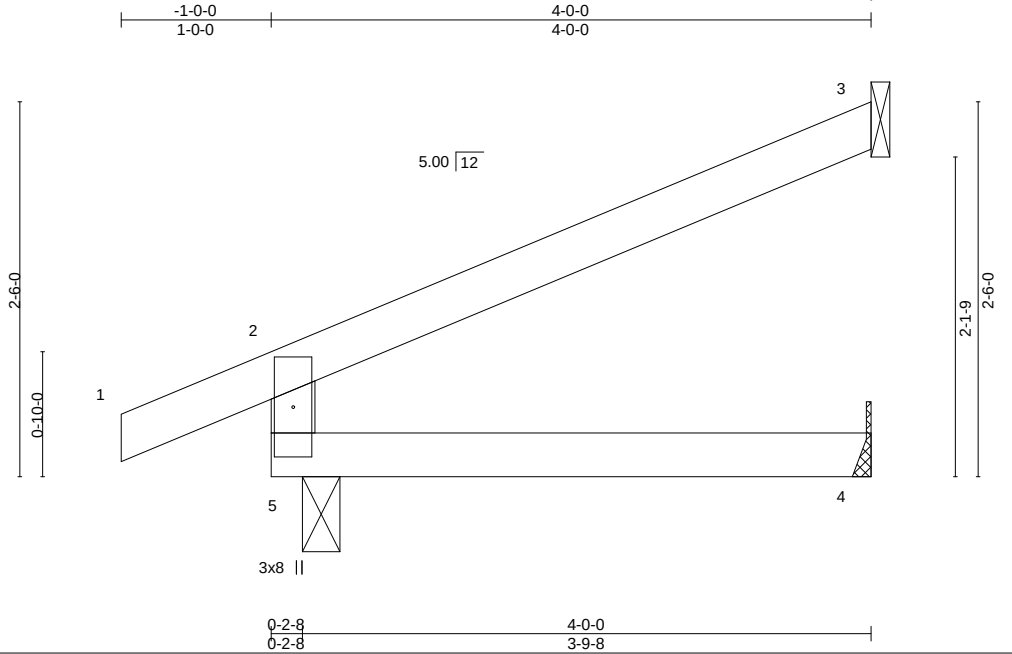


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.01	4-5	>999	240	Weight: 15 lb	FT = 20%

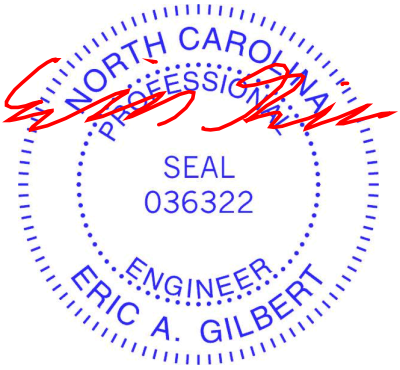
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=55(LC 12)
Max Uplift 5=-13(LC 12), 3=-41(LC 12)
Max Grav 5=231(LC 1), 3=99(LC 1), 4=71(LC 3)

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

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



April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140232
PCK77	CV03	JACK	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:13 2022 Page 1
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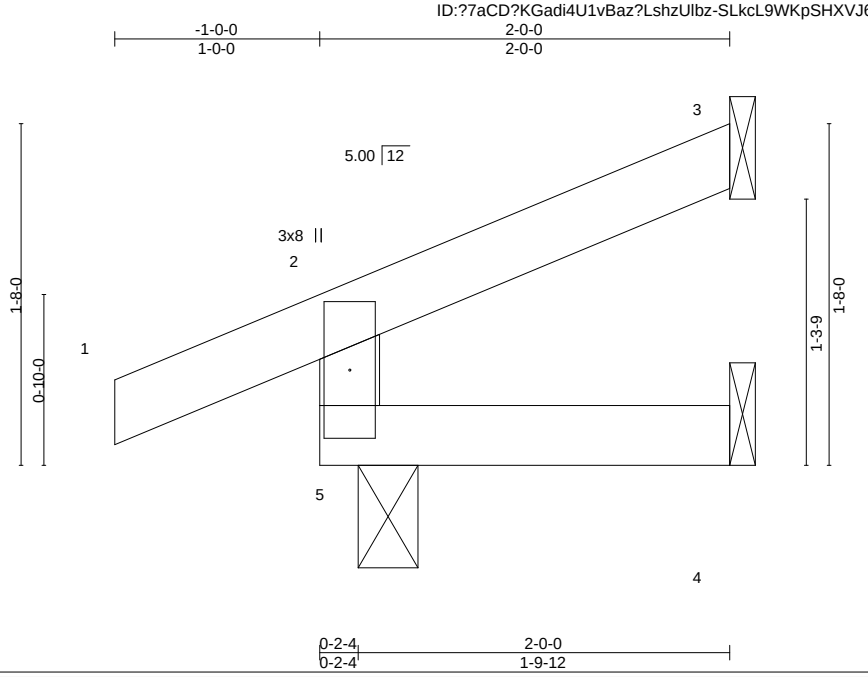

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.00	5	>999	240	Weight: 9 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) 3=Mechanical, 4=Mechanical, 5=0-3-8
Max Horz 5=33(LC 5)
Max Uplift 3=-20(LC 8), 5=-18(LC 4)
Max Grav 3=38(LC 1), 4=33(LC 3), 5=164(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) 3, 5.

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140233
PCK77	CV04GR	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:14 2022 Page 1
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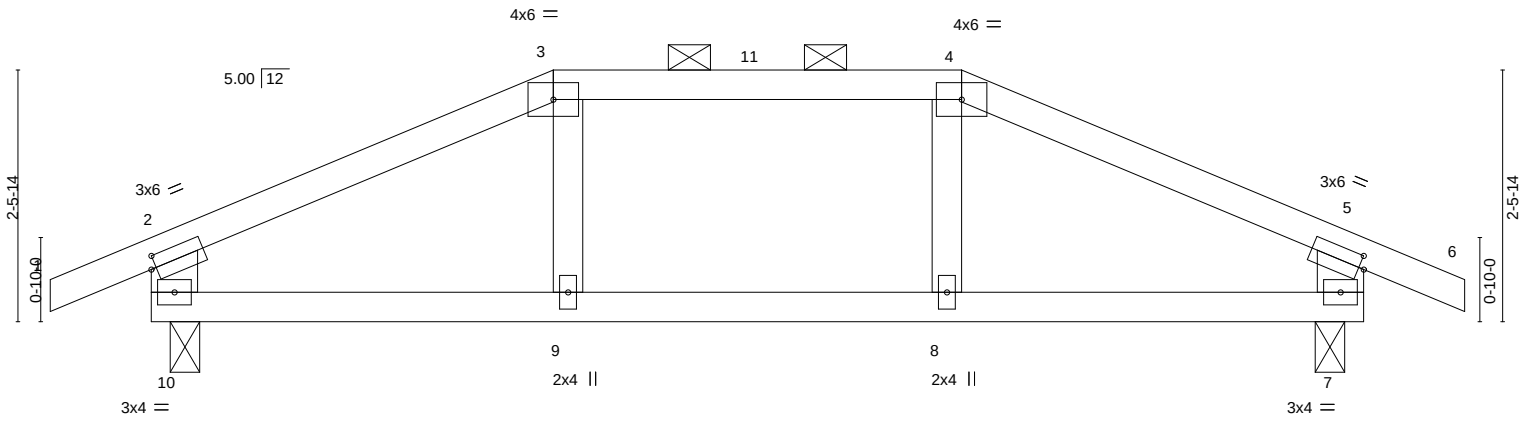
-1-0-0 | 3-11-12 | 8-0-4 | 12-0-0 | 13-0-0
1-0-0 | 3-11-12 | 4-0-8 | 3-11-12 | 1-0-0

Scale = 1:22.8



0-2-4 | 3-11-12 | 8-0-4 | 11-9-12 | 12-0-0
0-2-4 | 3-9-8 | 4-0-8 | 3-9-8 | 0-2-4

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

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	0.82	Vert(LL)	-0.06	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.13	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.06	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.04	9	>999	240	Weight: 48 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x6 SP No.2 *Except*
3-9,4-8: 2x4 SP No.3

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

REACTIONS. (size) 10=0-3-8, 7=0-3-8
Max Horz 10=-14(LC 6)
Max Uplift 10=-66(LC 8), 7=-66(LC 9)
Max Grav 10=733(LC 1), 7=733(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-628/94, 2-3=-891/76, 3-4=-738/82, 4-5=-891/76, 5-7=-628/94
BOT CHORD 9-10=-18/734, 8-9=-14/738, 7-8=-18/734

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 7.
7) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 4-0-0 end setback.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-86(F=-26), 3-4=-86(F=-26), 4-5=-86(F=-26), 5-6=-60, 7-10=-29(F=-9)

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140234
PCK77	CV05	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:15 2022 Page 1
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1-0-0 6-0-0 6-0-0 1-0-0

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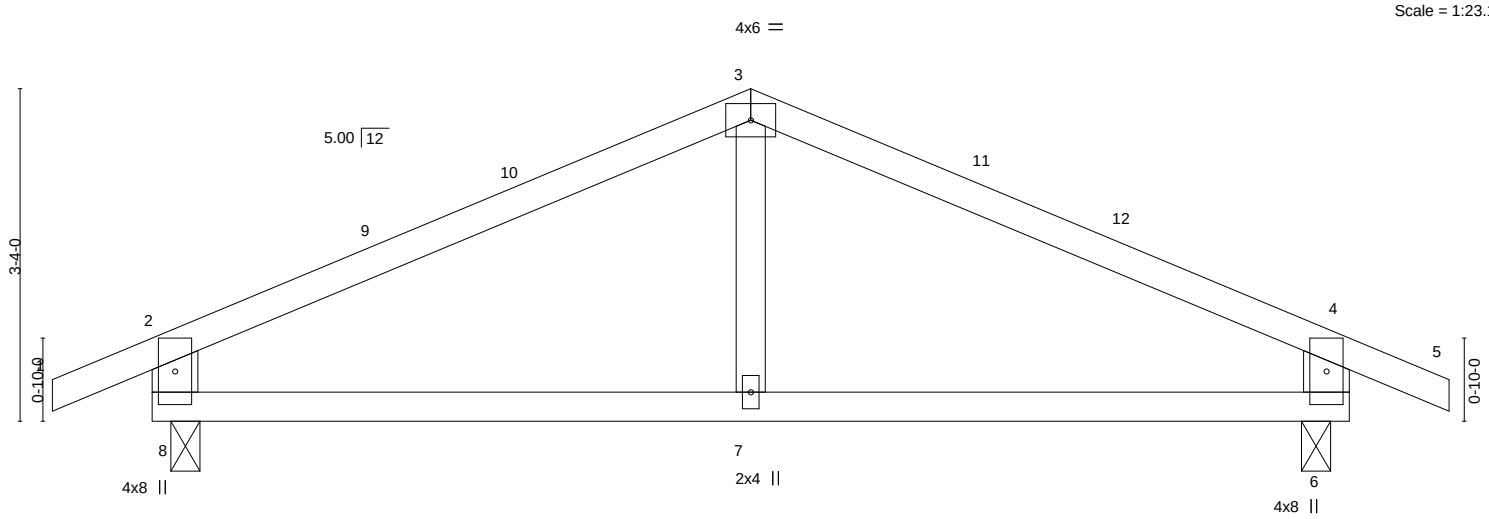


0-2-4 6-0-0 11-9-12 12-0-0
0-2-4 5-9-12 5-9-12 0-2-4

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	0.54	Vert(LL)	-0.03	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.06	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MR		Wind(LL)	0.01	7-8	>999	240	Weight: 47 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=31(LC 12)
Max Uplift 8=-33(LC 12), 6=-33(LC 13)
Max Grav 8=535(LC 1), 6=535(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-471/155, 2-3=-572/94, 3-4=-572/94, 4-6=-471/155
BOT CHORD 7-8=-13/454, 6-7=-13/454

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-0-0 to 3-9-10, Interior(1) 3-9-10 to 6-0-0, Exterior(2) 6-0-0 to 13-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6.

April 3,2022

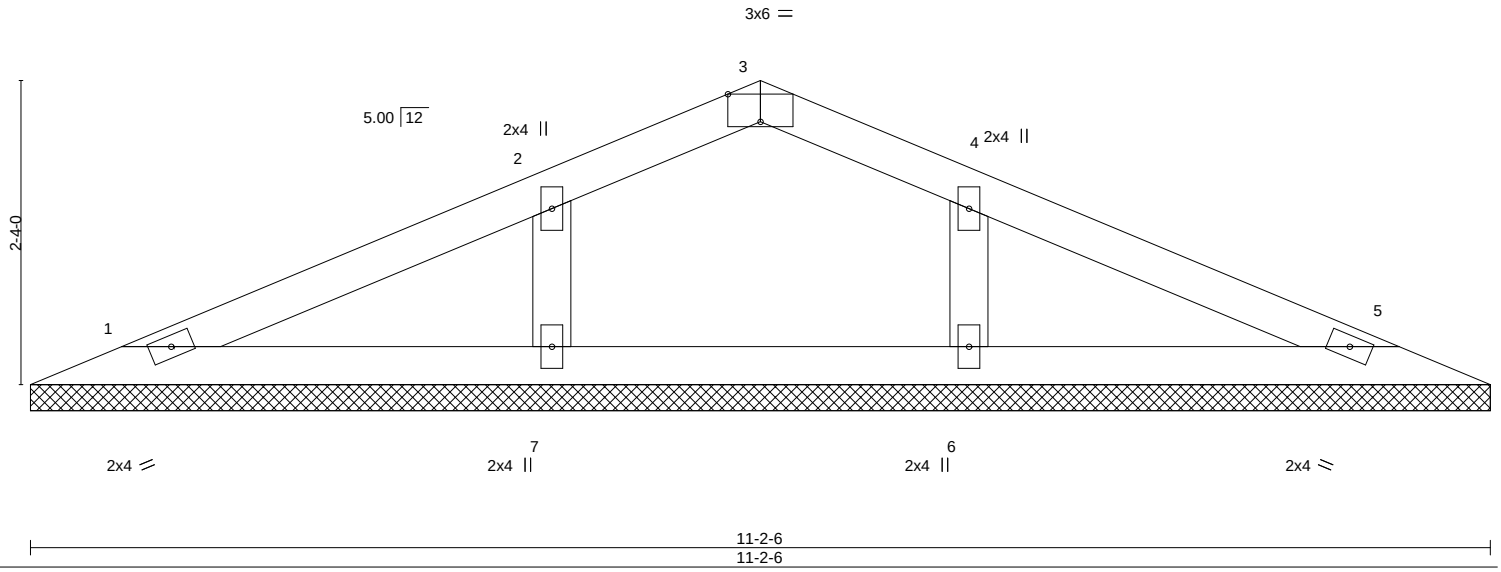
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140235
PCK77	V01	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:16 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-twPkzBZC5Nf6Nnr5ykzm1xg4JiterqFdcLitSLzUdoP

5-7-3 | 11-2-6
5-7-3 | 5-7-3

Scale = 1:17.7



11-2-6
11-2-6

Plate Offsets (X,Y)-- [3:0-3-0,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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 36 lb	FT = 20%

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

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

REACTIONS. All bearings 11-2-6.
(lb) - Max Horz 1=27(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=276(LC 1), 7=276(LC 1)

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

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

April 3,2022

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140236
PCK77	V02	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:16 2022 Page 1
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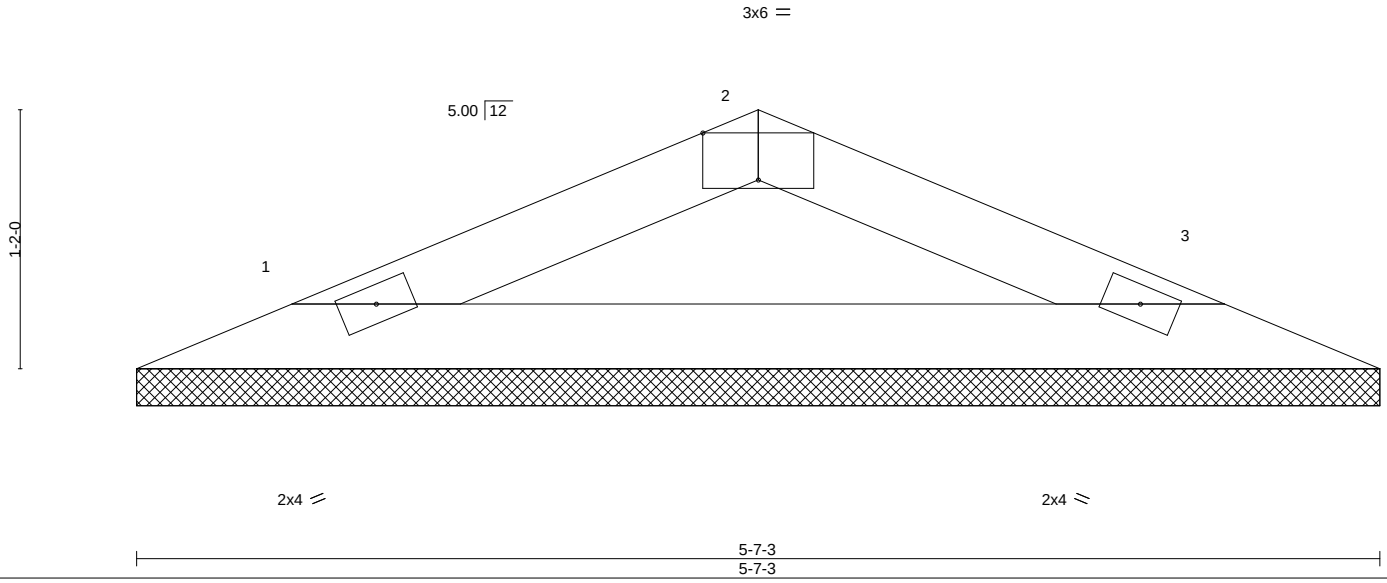
2-9-10 / 2-9-10 | 5-7-3 / 2-9-10

Scale = 1:10.4



5-7-3 / 5-7-3

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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	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 5-7-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-7-3, 3=5-7-3
Max Horz 1=-11(LC 13)
Max Uplift 1=-6(LC 12), 3=-6(LC 13)
Max Grav 1=166(LC 1), 3=166(LC 1)

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

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

April 3,2022

ENGINEERING BY TRENCO
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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140237
PCK77	V03	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:17 2022 Page 1
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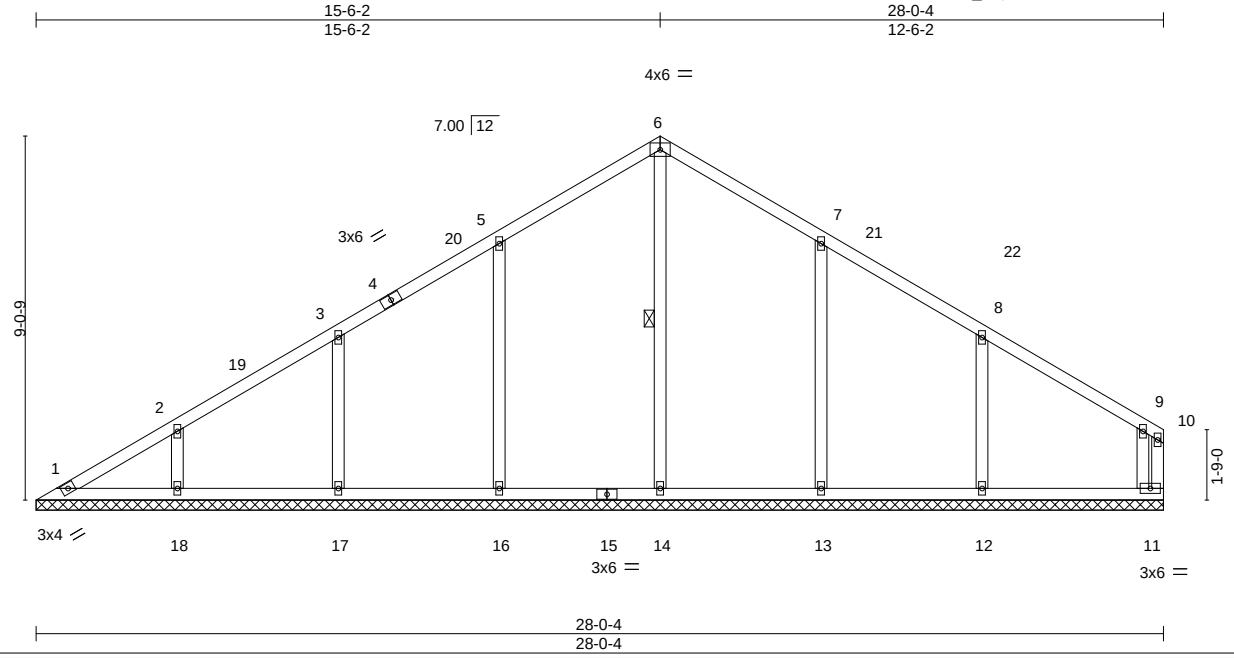

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 138 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.
WEBS	1 Row at midpt 6-14

REACTIONS. All bearings 28-0-4.
(lb) - Max Horz 1=188(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 11, 1, 16, 17, 18, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 11, 1 except 14=404(LC 22), 16=470(LC 19), 17=383(LC 19), 18=311(LC 23), 13=464(LC 20), 12=404(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-253/238, 6-7=-253/224
WEBS 5-16=-262/125, 7-13=-258/122, 8-12=-253/127, 9-11=-272/104

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 5-4-1, Interior(1) 5-4-1 to 15-6-2, Exterior(2) 15-6-2 to 20-3-12, Interior(1) 20-3-12 to 27-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 1, 16, 17, 18, 13, 12.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140238
PCK77	V04	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:18 2022 Page 1
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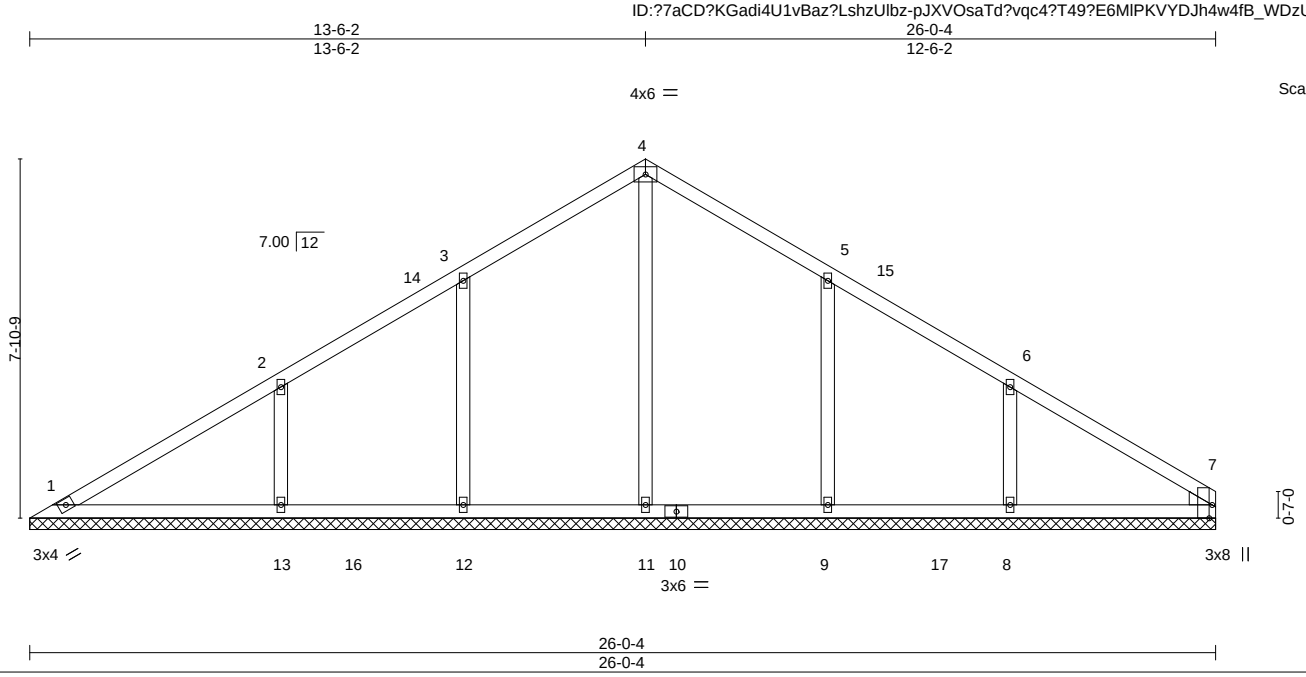

Plate Offsets (X,Y)-- [7:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 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. All bearings 26-0-4.
(lb) - Max Horz 1=-149(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 12, 13, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 11=389(LC 22), 12=427(LC 19), 13=441(LC 19), 9=437(LC 20), 8=413(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-13=-309/144, 6-8=-289/141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 5-6-2, Interior(1) 5-6-2 to 13-6-2, Exterior(2) 13-6-2 to 18-3-12, Interior(1) 18-3-12 to 26-0-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 13, 9, 8.

April 3,2022

ENGINEERING BY TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140239
PCK77	V05	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:19 2022 Page 1
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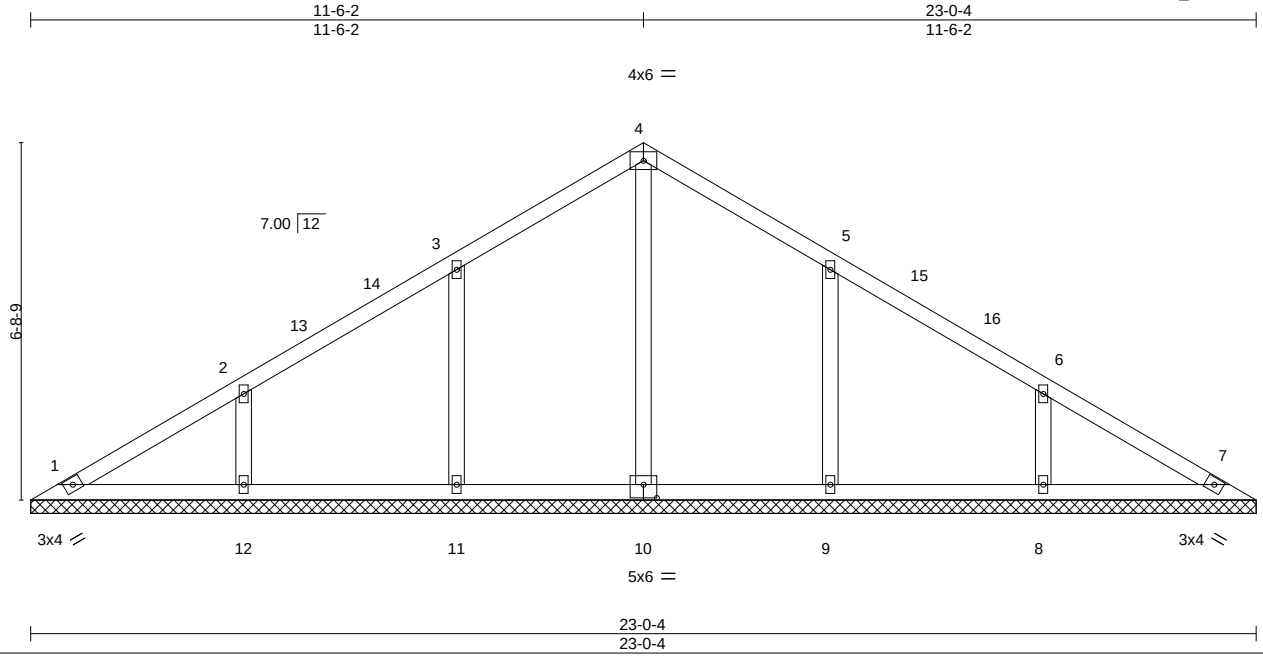

Plate Offsets (X,Y)-- [10:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 99 lb	FT = 20%

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

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

REACTIONS. All bearings 23-0-4.
(lb) - Max Horz 1=-126(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8, 9, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 10=344(LC 22), 8=335(LC 1), 9=367(LC 20), 12=335(LC 1), 11=367(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-250/118, 2-12=-250/118

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 5-4-1, Interior(1) 5-4-1 to 11-6-2, Exterior(2) 11-6-2 to 16-3-12, Interior(1) 16-3-12 to 22-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8, 9, 12, 11.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140240
PCK77	V06	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:20 2022 Page 1
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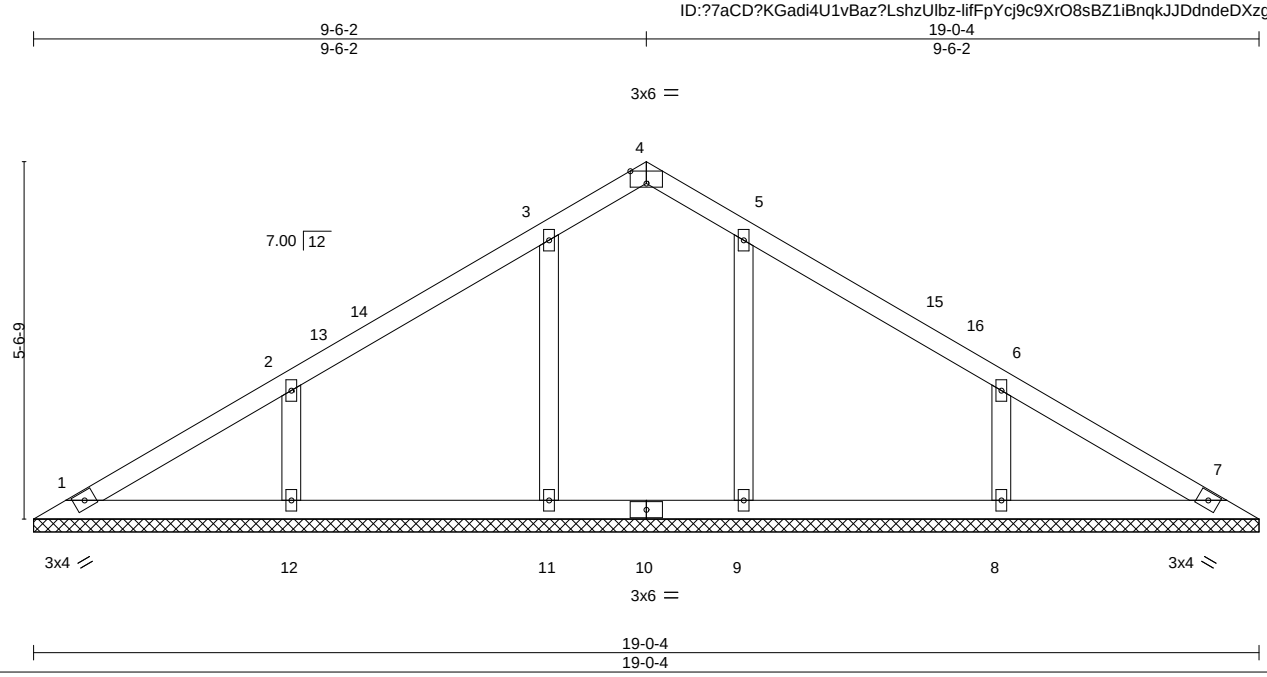

Plate Offsets (X,Y)-- [4:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 77 lb	FT = 20%

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

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

REACTIONS. All bearings 19-0-4.
(lb) - Max Horz 1=-103(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 8=344(LC 20), 9=316(LC 20), 12=344(LC 23), 11=321(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-259/125, 2-12=-258/124

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 5-4-1, Interior(1) 5-4-1 to 9-6-2, Exterior(2) 9-6-2 to 14-3-12, Interior(1) 14-3-12 to 18-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 12, 11.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140241
PCK77	V07	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:21 2022 Page 1
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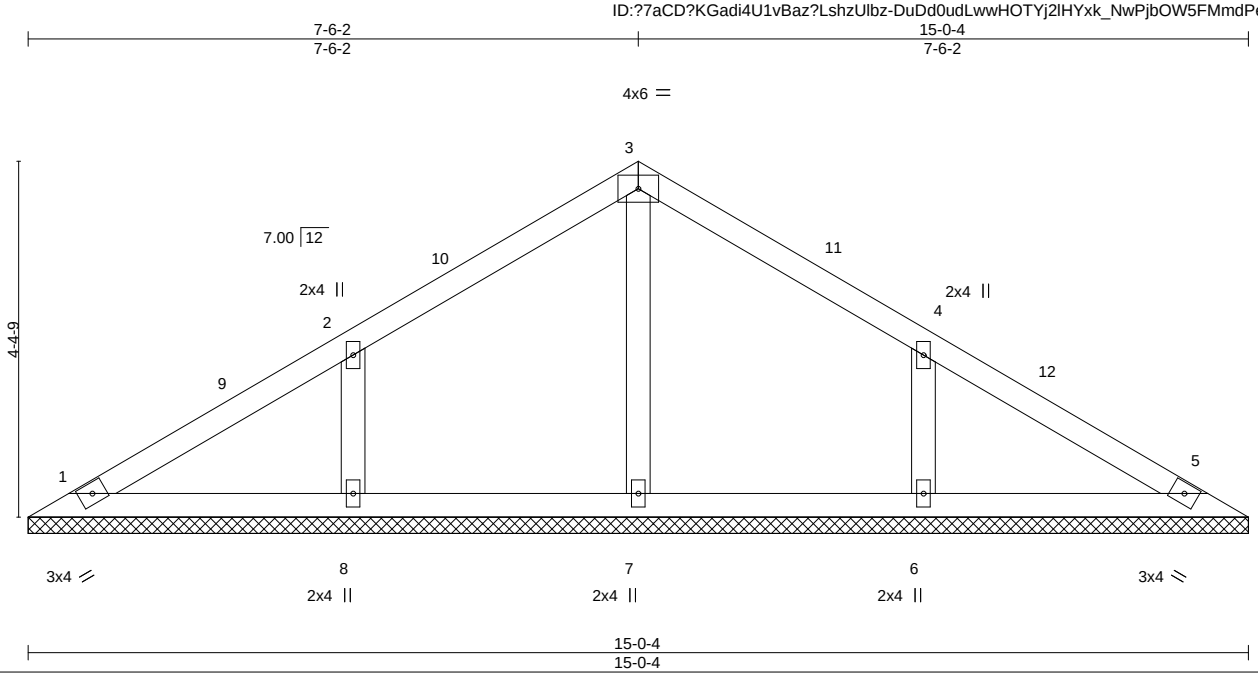

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 57 lb	FT = 20%

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

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

REACTIONS. All bearings 15-0-4.
(lb) - Max Horz 1=80(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=335(LC 20), 8=335(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-250/118

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-6-8 to 5-4-1, Interior(1) 5-4-1 to 7-6-2, Exterior(2) 7-6-2 to 12-3-12, Interior(1) 12-3-12 to 14-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, 6, 8.

April 3,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140242
PCK77	V08	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:22 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-h4n?EEdzhDPF5iIEJ_4AGCw617wtFYhW_H9Bf?zUdoJ

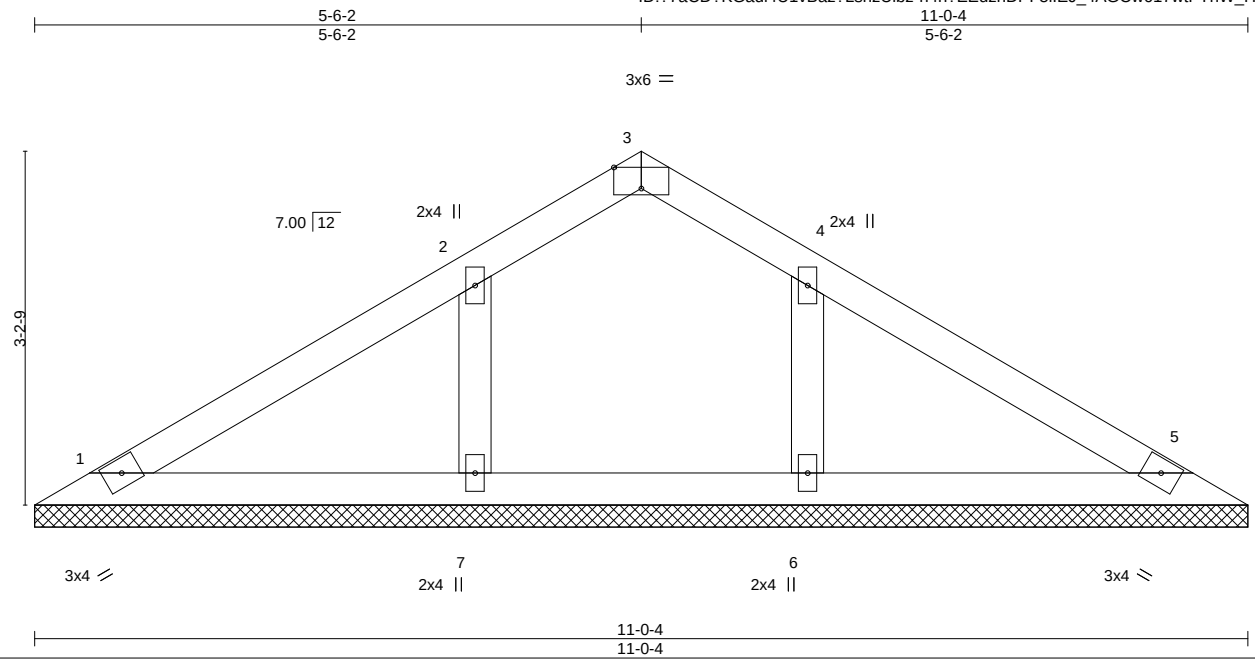

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	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 6-0-0 oc bracing.

REACTIONS. All bearings 11-0-4.
(lb) - Max Horz 1=-57(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=287(LC 20), 7=289(LC 19)

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

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

April 3,2022

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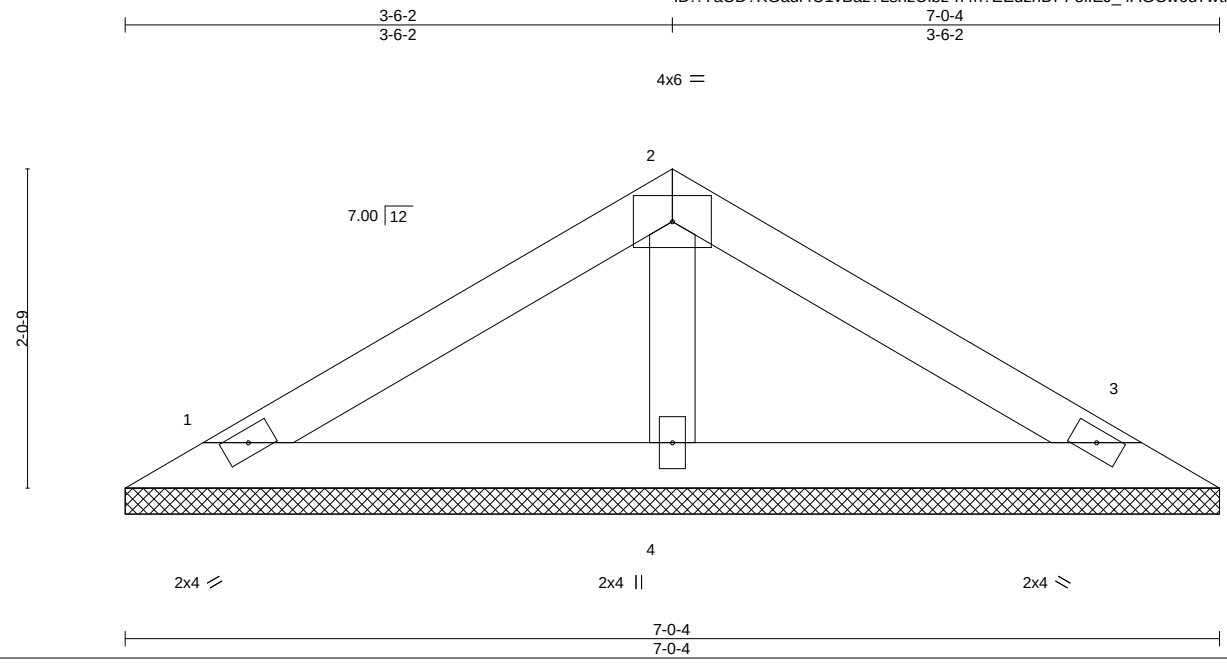
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140243
PCK77	V09	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:22 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-h4n?EEdzhDPF5iIEJ_4AGCw6u7wtFYrW_H9Bf?zUdoJ



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)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 23 lb	FT = 20%

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

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

REACTIONS. (size) 1=7-0-4, 3=7-0-4, 4=7-0-4
Max Horz 1=-34(LC 10)
Max Uplift 1=-11(LC 12), 3=-15(LC 13)
Max Grav 1=112(LC 23), 3=112(LC 24), 4=252(LC 1)

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

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

April 3,2022

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140244
PCK77	V10	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:23 2022 Page 1
ID:?7aCD?KGadi4U1vBaz?LshzUlbz-9GLORaebSXX6istRtibPpPSKKWHJ_?cfDxulCRzUdoI

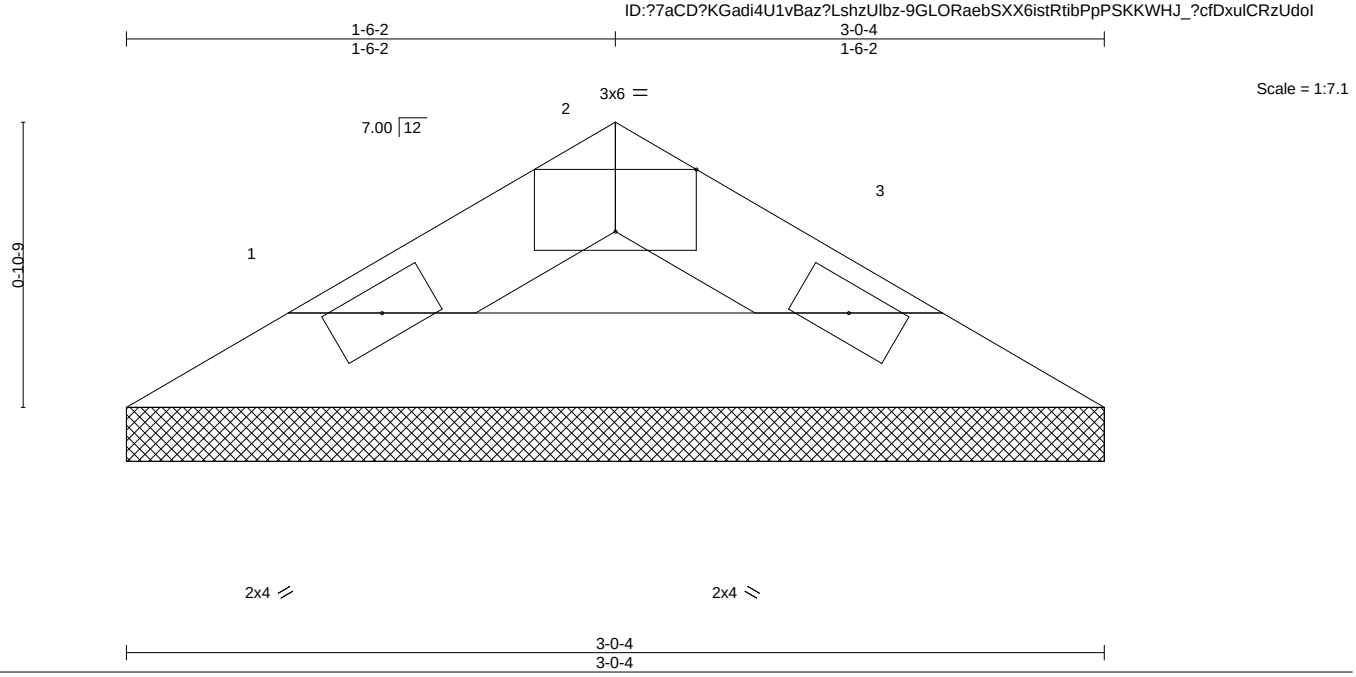

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	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: 8 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-0-4, 3=3-0-4
Max Horz 1=-11(LC 8)
Max Uplift 1=-2(LC 12), 3=-2(LC 13)
Max Grav 1=78(LC 1), 3=78(LC 1)

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

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

April 3,2022

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140245
PCK77	V11	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:24 2022 Page 1
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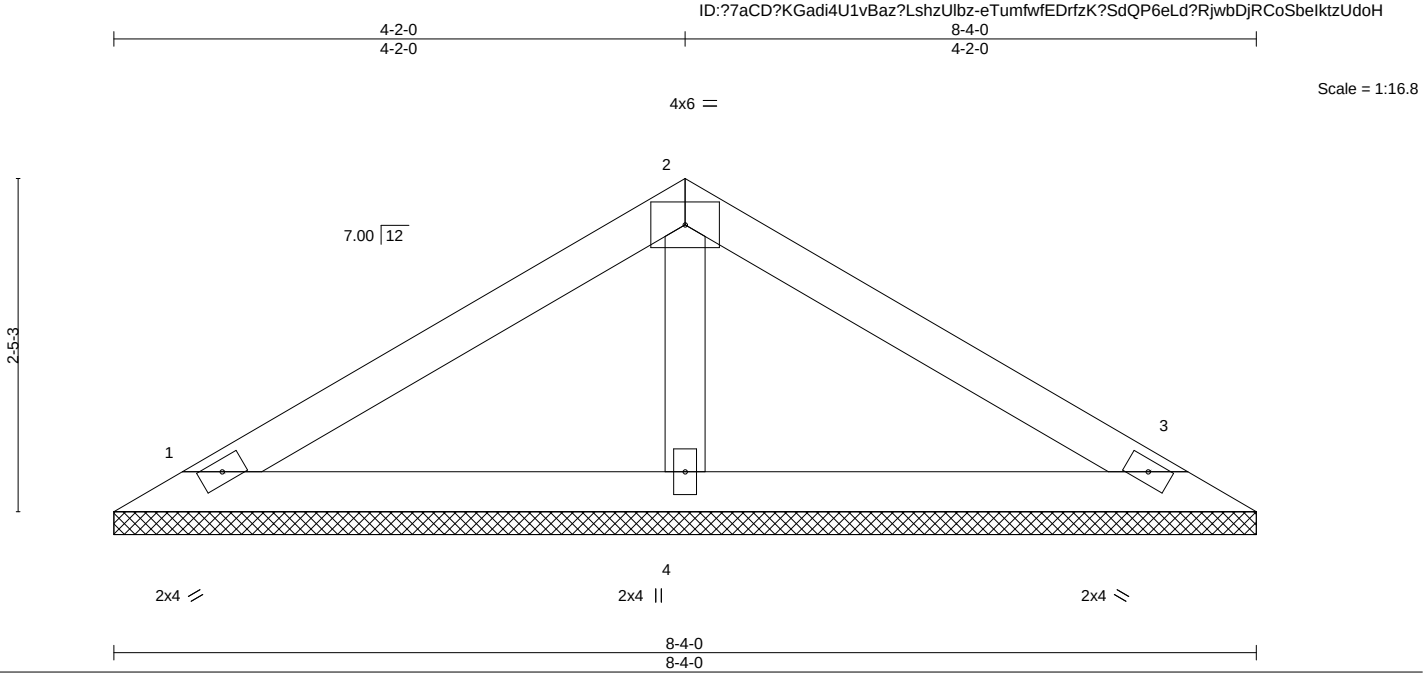

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 28 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=8-4-0, 3=8-4-0, 4=8-4-0
Max Horz 1=42(LC 11)
Max Uplift 1=-13(LC 12), 3=-19(LC 13)
Max Grav 1=136(LC 23), 3=136(LC 24), 4=308(LC 1)

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

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

April 3,2022

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 77 PROVIDENCE CREEK I51140246
PCK77	V12	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Sat Apr 2 21:35:24 2022 Page 1
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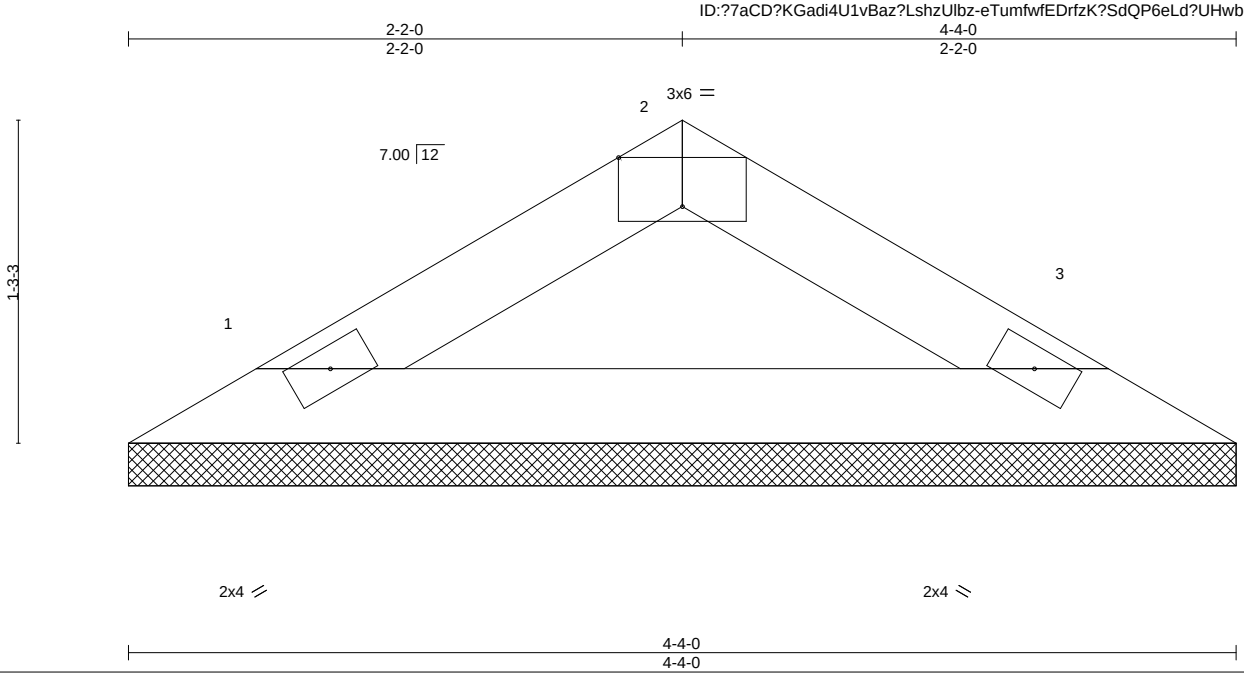

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 12 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 4-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-4-0, 3=4-4-0
Max Horz 1=-19(LC 8)
Max Uplift 1=-4(LC 12), 3=-4(LC 13)
Max Grav 1=130(LC 1), 3=130(LC 1)

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

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

April 3,2022

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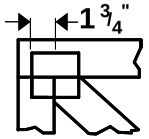
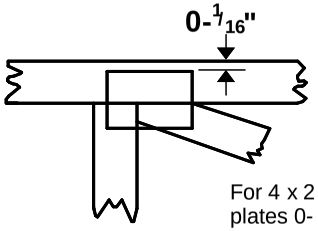
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

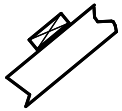
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

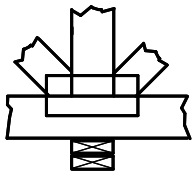
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

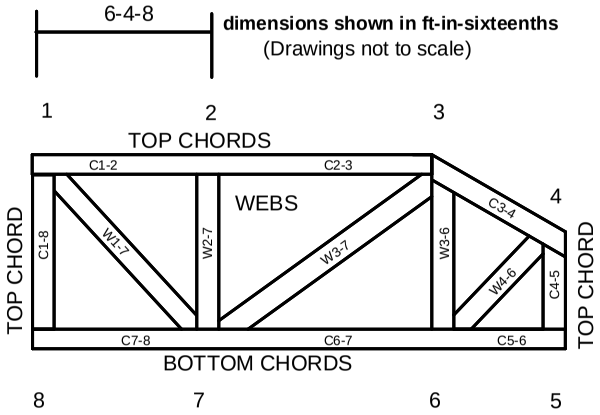


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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