ENGINEERING BY TRENCO
A MiTek Affiliate

RE: PCK75
MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK

Trenco
818 Soundside Rd
Edenton, NC 27932

Site Information:

Customer: Project Name: PCK75
Lot/Block: Model:
Address: Subdivision:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2015/TPI2014 Design Program: MiTek 20/20 8.5
Wind Code: ASCE 7-10 Wind Speed: 115 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 38 individual, dated Truss Design Drawings and 0 Additional Drawings.

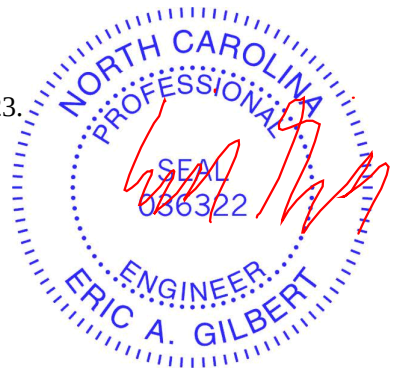
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I53641773	A01G	8/15/2022	21	I53641793	CV05	8/15/2022
2	I53641774	A02	8/15/2022	22	I53641794	V01	8/15/2022
3	I53641775	A02A	8/15/2022	23	I53641795	V02	8/15/2022
4	I53641776	A03	8/15/2022	24	I53641796	V03	8/15/2022
5	I53641777	A04	8/15/2022	25	I53641797	V04	8/15/2022
6	I53641778	A05	8/15/2022	26	I53641798	V05	8/15/2022
7	I53641779	A07	8/15/2022	27	I53641799	V06	8/15/2022
8	I53641780	A08	8/15/2022	28	I53641800	V07	8/15/2022
9	I53641781	A09	8/15/2022	29	I53641801	V08	8/15/2022
10	I53641782	A10G	8/15/2022	30	I53641802	V09	8/15/2022
11	I53641783	B01G	8/15/2022	31	I53641803	V10	8/15/2022
12	I53641784	B02	8/15/2022	32	I53641804	V11	8/15/2022
13	I53641785	B03GR	8/15/2022	33	I53641805	V12	8/15/2022
14	I53641786	B04G	8/15/2022	34	I53641806	V13	8/15/2022
15	I53641787	B05G	8/15/2022	35	I53641807	V14	8/15/2022
16	I53641788	B06GR	8/15/2022	36	I53641808	V15	8/15/2022
17	I53641789	CV01	8/15/2022	37	I53641809	V16	8/15/2022
18	I53641790	CV02	8/15/2022	38	I53641810	V17	8/15/2022
19	I53641791	CV03	8/15/2022				
20	I53641792	CV04GR	8/15/2022				

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

Truss Design Engineer's Name: Gilbert, Eric

My license renewal date for the state of North Carolina is December 31, 2023.

North Carolina COA: C-0844



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 TRENCO. Any project specific information included is for TRENCO customers file reference purpose only, and was not taken into account in the preparation of these designs. 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.

August 15, 2022

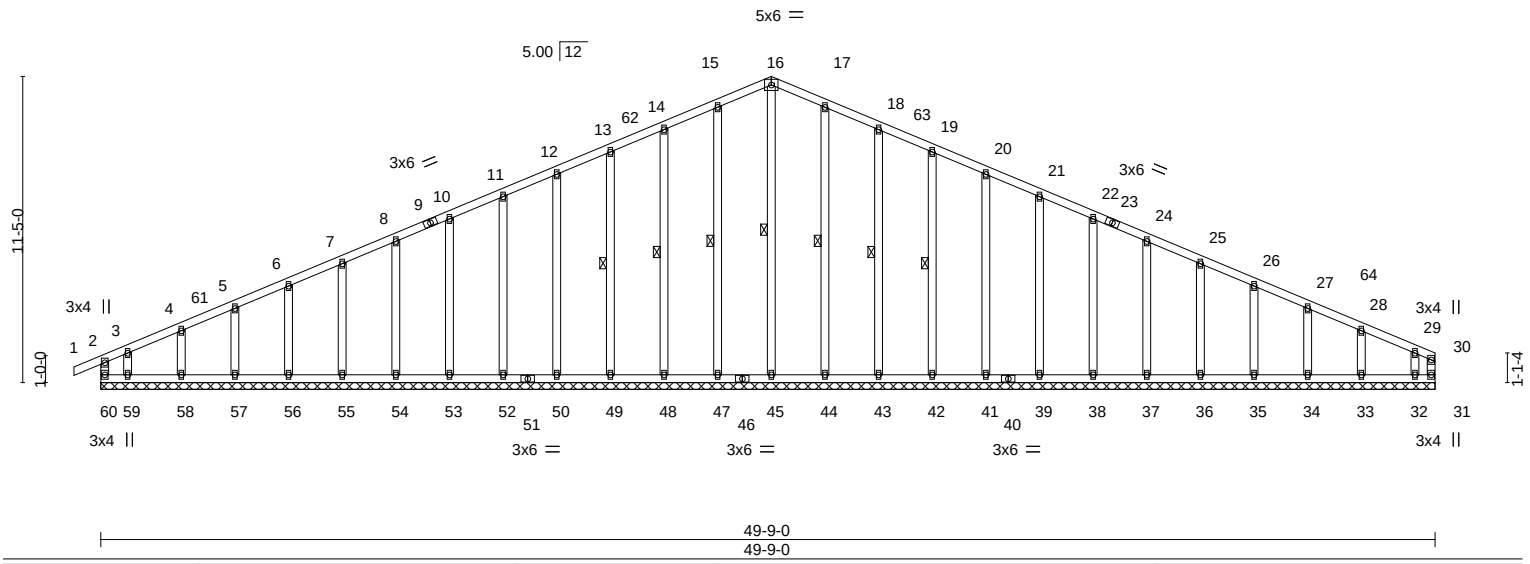
Gilbert, Eric

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641773
PCK75	A01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:37:55 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-GOVmj0bcpKEA7_fkcvsDHl?rG3LcRGLSqtVjFJyob6A

-1-0-0 25-0-0 49-9-0
1-0-0 25-0-0 24-9-0

Scale = 1:85.9



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.01	31	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 368 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 16-45, 15-47, 14-48, 13-49, 17-44, 18-43, 19-42

REACTIONS. All bearings 49-9-0.
(lb) - Max Horz 60=131(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 60, 31, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33 except 59=-159(LC 12), 32=-167(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 60, 31, 45, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33, 32

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 13-14=-94/275, 14-15=-105/307, 15-16=-115/333, 16-17=-115/325, 17-18=-105/299, 18-19=-94/267

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) -1-0-0 to 3-11-11, Exterior(2) 3-11-11 to 25-0-0, Corner(3) 25-0-0 to 29-11-11, Exterior(2) 29-11-11 to 49-7-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 60, 31, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33 except (jt=lb) 59=159, 32=167.

August 15,2022

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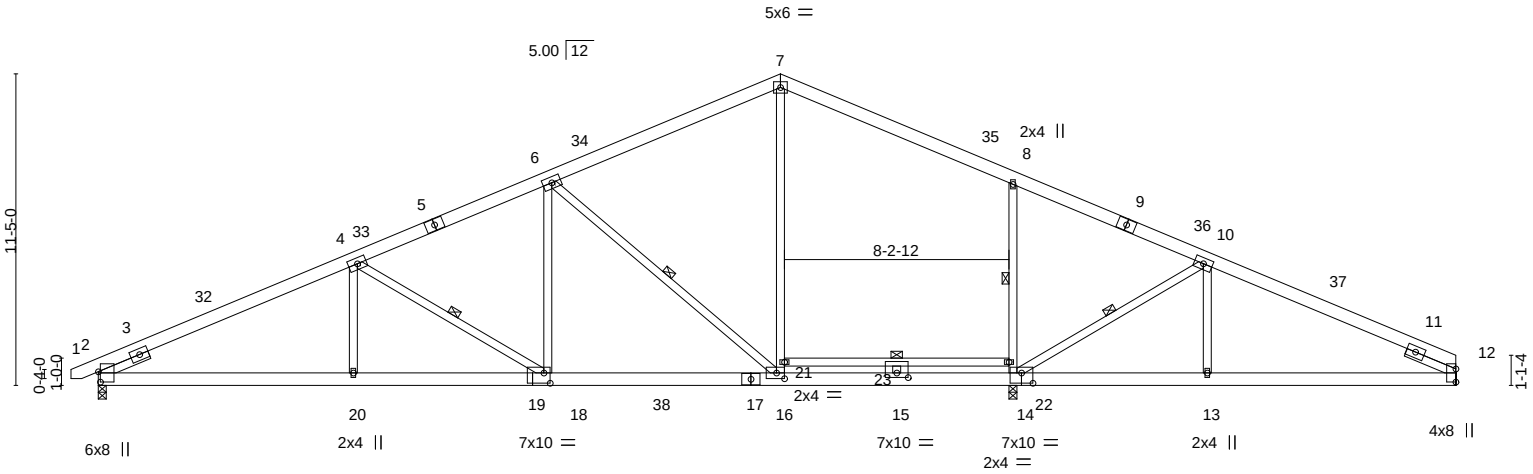
Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK
PCK75	A02	COMMON	9	1	I53641774
					Job Reference (optional)

Builders FirstSource, Apex, NC 8.530 s May 26 2022 MiTek Industries, Inc. Fri Aug 12 12:56:28 2022 Page 1

ID:_P7X_GPFnckXXgca6LM05wyocTp-WDIdQFUijRCsLBute?JTZCburj1NjTnHmXc5plyoaqn

-1-0-0	9-4-3	16-5-11	25-0-0	28-1-12	33-6-4	40-7-11	49-9-0
1-0-0	9-4-3	7-1-8	8-6-5	3-1-12	5-4-8	7-1-7	9-1-5

Scale = 1:84.4



9-4-3	16-5-11	25-0-0	29-3-2	33-6-4	40-7-11	49-9-0	49-9-4
9-4-3	7-1-8	8-6-5	4-3-2	4-3-2	7-1-7	9-1-5	0-0-4

Plate Offsets (X,Y)-- [2:0-4-9,0-0-14], [14:0-5-0,0-4-8], [15:0-5-0,0-2-0], [16:0-3-8,0-2-8], [19:0-2-12,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.18	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.89	Vert(CT)	-0.38	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.08	16-18	>999	240	Weight: 352 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-11-12, Right 2x4 SP No.3 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-9-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-18, 6-16, 10-14, 21-22, 8-14

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 12=Mechanical
Max Horz 2=131(LC 12)
Max Uplift 2=-5(LC 12), 14=-51(LC 13)
Max Grav 2=1695(LC 1), 14=1076(LC 1), 12=1258(LC 1)

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

TOP CHORD 2-3=-1080/0, 3-32=-3037/55, 4-32=-2929/79, 4-33=-2551/91, 5-33=-2537/95, 5-6=-2427/124, 6-34=-1779/111, 7-34=-1687/146, 7-35=-1683/160, 8-35=-1781/125, 8-9=-1590/72, 9-36=-1664/43, 10-36=-1713/43, 10-37=-2019/59, 11-37=-2117/37, 11-12=-696/0

BOT CHORD 2-20=-14/2704, 19-20=-14/2704, 18-19=-14/2704, 18-38=0/2304, 17-38=0/2304, 16-17=0/2304, 15-16=0/1617, 14-15=0/1617, 13-14=0/1863, 12-13=0/1863

WEBS 4-20=0/252, 4-18=-526/113, 6-18=0/520, 6-16=-1050/104, 16-21=0/901, 7-21=0/983, 10-14=-575/153, 14-22=-547/169, 8-22=-568/171

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) -0-9-10 to 4-2-1, Interior(1) 4-2-1 to 25-0-0, Exterior(2) 25-0-0 to 32-0-7, Interior(1) 32-0-7 to 49-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 2 and 51 lb uplift at joint 14.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) N/A
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)

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LOAD CASE(S)

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-7=-60, 7-12=-60, 24-28=-20
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-7=-50, 7-12=-50, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-20, 7-12=-20, 24-28=-40, 21-22=-40(F)
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=42, 2-32=22, 7-32=12, 7-35=22, 12-35=12, 24-28=-12
   Horz: 1-2=-54, 2-32=-34, 7-32=-24, 7-35=34, 12-35=24
5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=8, 2-34=12, 7-34=22, 7-37=12, 12-37=22, 24-28=-12
   Horz: 1-2=-20, 2-34=-24, 7-34=-34, 7-37=24, 12-37=34
6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-13, 2-7=-32, 7-12=-32, 24-28=-20
   Horz: 1-2=-7, 2-7=12, 7-12=-12
7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=-27, 2-7=-32, 7-12=-32, 24-28=-20
   Horz: 1-2=7, 2-7=12, 7-12=-12
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=20, 2-7=10, 7-12=8, 24-28=-12
   Horz: 1-2=-32, 2-7=-22, 7-12=20
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=4, 2-7=8, 7-12=10, 24-28=-12
   Horz: 1-2=-16, 2-7=-20, 7-12=22
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-2, 2-7=-7, 7-12=-8, 24-28=-20
    Horz: 1-2=-18, 2-7=-13, 7-12=12
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-4, 2-7=-8, 7-12=-7, 24-28=-20
    Horz: 1-2=-16, 2-7=-12, 7-12=13
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=14, 2-33=19, 7-33=9, 7-12=2, 24-28=-12
    Horz: 1-2=-26, 2-33=-31, 7-33=-21, 7-12=14
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-3, 2-7=2, 7-36=9, 12-36=19, 24-28=-12
    Horz: 1-2=-9, 2-7=-14, 7-36=21, 12-36=31
14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=5, 2-7=9, 7-12=2, 24-28=-12
    Horz: 1-2=-17, 2-7=-21, 7-12=14
15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-3, 2-7=2, 7-12=9, 24-28=-12
    Horz: 1-2=-9, 2-7=-14, 7-12=21
16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=6, 2-33=2, 7-33=-7, 7-12=-15, 24-28=-20
    Horz: 1-2=-26, 2-33=-22, 7-33=-13, 7-12=5
17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-2=-11, 2-7=-15, 7-36=-7, 12-36=2, 24-28=-20
    Horz: 1-2=-9, 2-7=-5, 7-36=13, 12-36=22
18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
    Uniform Loads (plf)
    Vert: 1-7=-20, 7-12=-20, 18-24=-20, 18-38=-60, 28-38=-20, 21-22=-40(F)
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=-37, 2-7=-40, 7-12=-41, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)
    Horz: 1-2=-13, 2-7=-10, 7-12=9
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

Continued on page 3

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-2=-38, 2-7=-41, 7-12=-40, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)
Horz: 1-2=-12, 2-7=-9, 7-12=10

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, 2-33=-34, 7-33=-41, 7-12=-46, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)
Horz: 1-2=-20, 2-33=-16, 7-33=-9, 7-12=4

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=-43, 2-7=-46, 7-36=-41, 12-36=-34, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)
Horz: 1-2=-7, 2-7=-4, 7-36=9, 12-36=16

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-60, 7-12=-20, 24-28=-20

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-20, 7-12=-60, 24-28=-20

25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-50, 7-12=-20, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)

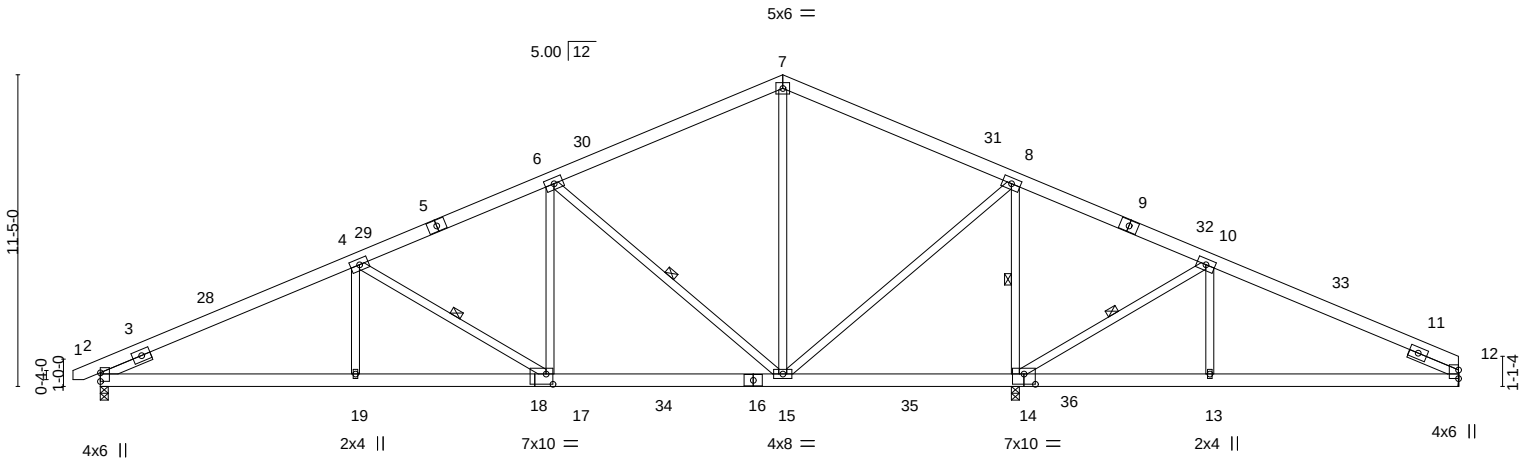
26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-20, 7-12=-50, 18-24=-20, 18-38=-50, 28-38=-20, 21-22=-30(F)

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641775
PCK75	A02A	COMMON	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:37:58 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-gzBuL2eV6Fcl_ROJI1PwvOdHDGHheVwuXrjNseyob67

-1-0-0	9-4-3	16-5-11	25-0-0	33-6-4	40-7-11	49-9-0
1-0-0	9-4-3	7-1-8	8-6-5	8-6-4	7-1-7	9-1-5

Scale = 1:84.4



9-4-3	16-5-11	25-0-0	33-6-4	40-7-11	49-9-0	49-9-4
9-4-3	7-1-8	8-6-5	8-6-4	7-1-7	9-1-5	0-0-4

Plate Offsets (X,Y)-- [14:0-5-0,0-4-8], [18:0-3-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.08	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.17	17-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.04	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.04	17-19	>999	240	Weight: 355 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-11-12, Right 2x4 SP No.3 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-2-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15.
WEBS	1 Row at midpt 4-17, 6-15, 10-14, 8-14

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 12=Mechanical
Max Horz 2=131(LC 12)
Max Uplift 2=-32(LC 12), 12=-88(LC 13)
Max Grav 2=1326(LC 1), 14=2229(LC 1), 12=547(LC 24)

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

TOP CHORD	2-4=-2220/127, 4-6=-1631/161, 6-7=-823/189, 7-8=-822/199, 8-10=0/431, 10-12=-528/177
BOT CHORD	2-19=-66/1960, 17-19=-66/1960, 15-17=-18/1437, 14-15=-279/23, 13-14=-82/487, 12-13=-82/487
WEBS	4-19=0/292, 4-17=-624/105, 6-17=0/557, 6-15=-1038/105, 10-14=-772/90, 10-13=0/333, 8-14=-1659/104, 8-15=0/1183

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) -0-9-10 to 4-2-1, Interior(1) 4-2-1 to 25-0-0, Exterior(2) 25-0-0 to 32-0-7, Interior(1) 32-0-7 to 49-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.

August 15,2022

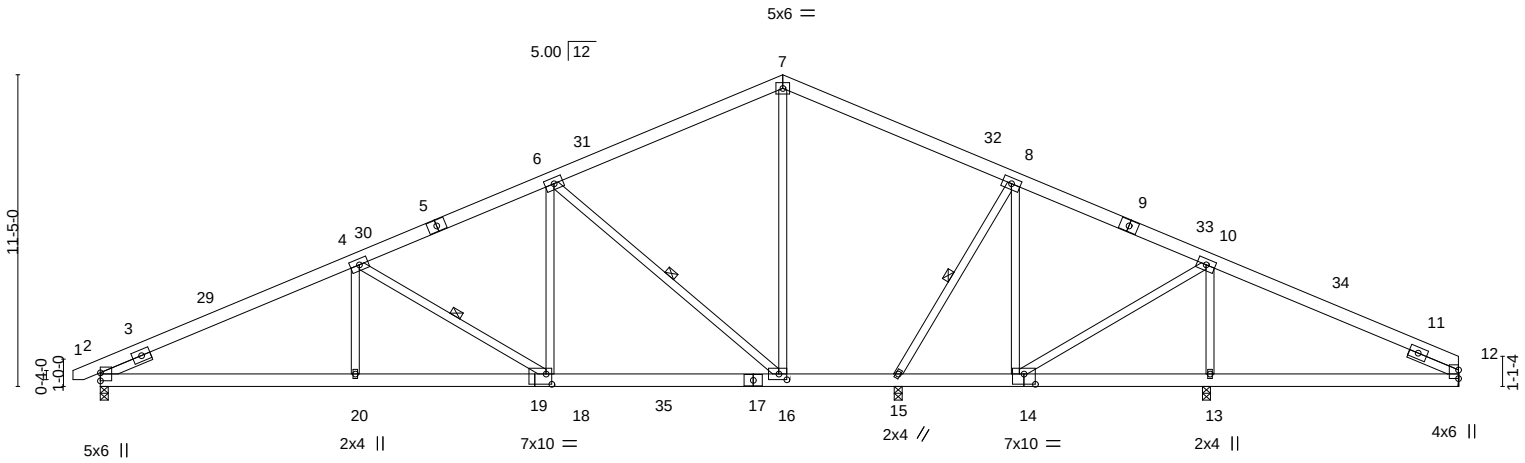
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641776
PCK75	A03	COMMON	3	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:37:59 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-89lGZOf7tZkccbzVrlw9Sb9PhgZLNyn2lVTwO4yob66

-1-0-0 9-4-2 16-5-11 25-0-0 33-6-4 40-7-13 49-9-0
1-0-0 9-4-2 7-1-9 8-6-5 8-6-4 7-1-9 9-1-3

Scale = 1:84.4



9-4-2 16-5-11 25-0-0 29-2-12 33-6-4 40-6-4 40-7-13 49-9-0 49-9-4
9-4-2 7-1-9 8-6-5 4-2-12 4-3-8 7-0-0 0-1-9 9-1-3 0-0-4

Plate Offsets (X,Y)-- [14:0-5-0,0-4-8], [16:0-3-8,0-2-8], [19:0-2-8,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.17	16-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.35	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.08	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.08	16-18	>999	240	Weight: 351 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-18, 6-16, 8-15

REACTIONS. All bearings 0-3-8 except (jt=length) 12=Mechanical.
(lb) - Max Horz 2=131(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 15
Max Grav All reactions 250 lb or less at joint(s) except 2=1618(LC 1), 12=703(LC 1), 15=522(LC 24), 13=1241(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2865/92, 4-6=-2351/138, 6-7=-1514/162, 7-8=-1516/178, 8-10=-1538/147, 10-12=-873/161
BOT CHORD 2-20=-34/2548, 18-20=-34/2548, 16-18=0/2105, 15-16=0/1322, 14-15=0/1366, 13-14=-65/806, 12-13=-65/806
WEBS 4-20=0/252, 4-18=-535/112, 6-18=0/584, 6-16=-1078/102, 7-16=0/727, 10-14=0/757, 8-14=-431/32, 8-15=-330/176, 10-13=-1027/50

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) -0-9-10 to 4-2-1, Interior(1) 4-2-1 to 25-0-0, Exterior(2) 25-0-0 to 32-0-7, Interior(1) 32-0-7 to 49-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 15.

August 15,2022

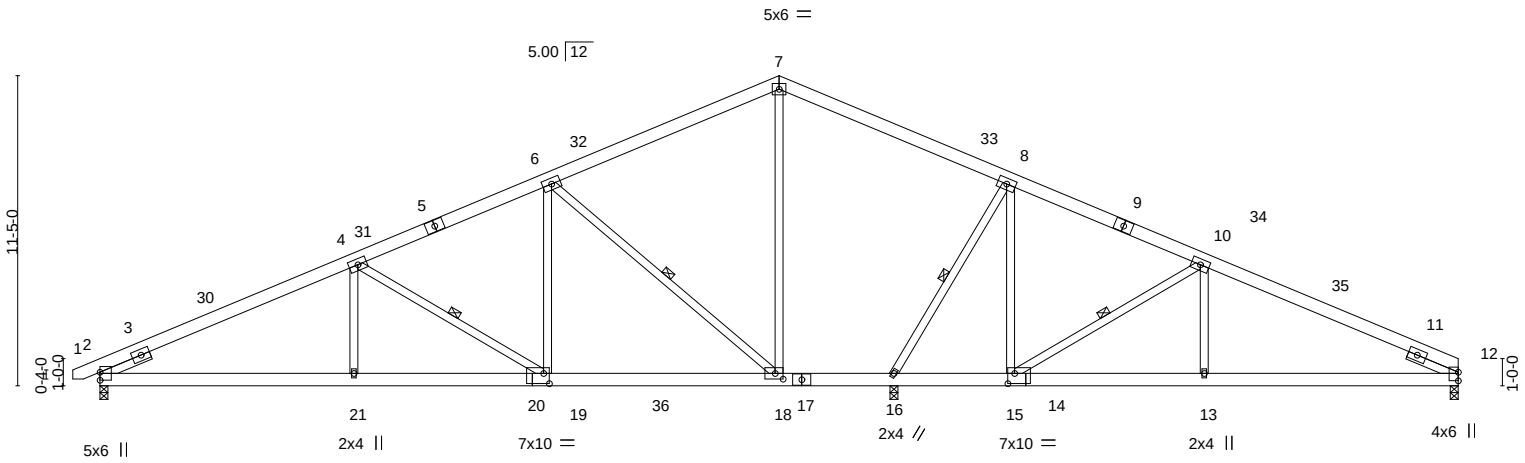
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641777
PCK75	A04	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:00 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-cMJfmjfletsSDlYhPSRO_pibu4sp6PsB_9CTwXyob65

-1-0-0	9-4-3	16-5-12	25-0-0	33-6-4	40-7-13	50-0-0
1-0-0	9-4-3	7-1-9	8-6-4	8-6-4	7-1-9	9-4-3

Scale = 1:84.8



9-4-3	16-5-12	25-0-0	29-2-12	33-6-4	40-7-13	50-0-0
9-4-3	7-1-9	8-6-4	4-2-12	4-3-8	7-1-9	9-4-3

Plate Offsets (X,Y)-- [15:0-3-0,0-4-8], [18:0-3-8,0-2-8], [20:0-2-8,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.19	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.40	18-19	>868	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	18-19	>999	240	Weight: 353 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 15-16.
WEBS 1 Row at midpt 10-15, 6-18, 4-19, 8-16

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 16=0-3-8
Max Horz 2=130(LC 12)
Max Uplift 2=-19(LC 12)
Max Grav 2=1584(LC 1), 12=1352(LC 1), 16=1112(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2786/94, 4-6=-2271/140, 6-7=-1418/164, 7-8=-1423/180, 8-10=-1802/136, 10-12=-2396/112
BOT CHORD 2-21=-40/2476, 19-21=-40/2476, 18-19=0/2031, 16-18=0/1244, 15-16=0/1604, 13-15=-18/2119, 12-13=-18/2119
WEBS 7-18=0/681, 8-15=-5/361, 10-15=-655/118, 10-13=0/322, 6-18=-1093/102, 6-19=0/598, 4-19=-537/112, 4-21=0/251, 8-16=-833/112

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) -0-9-10 to 4-2-6, Interior(1) 4-2-6 to 25-0-0, Exterior(2) 25-0-0 to 32-0-14, Interior(1) 32-0-14 to 50-0-0 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) All plates are 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

August 15,2022

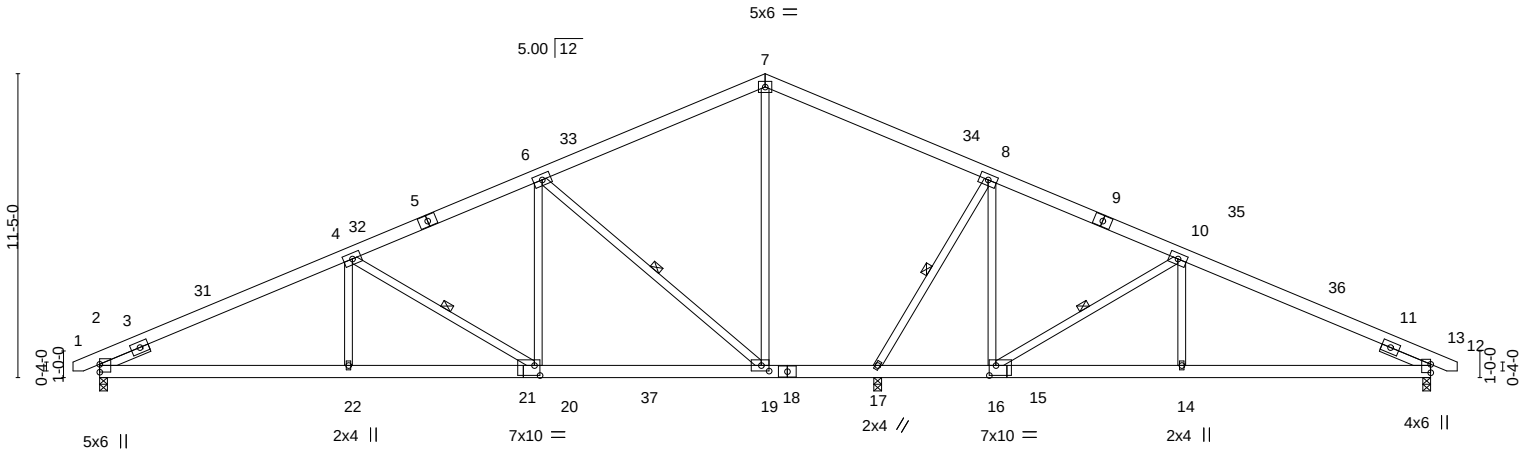
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641778
PCK75	A05	COMMON	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:01 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-4Yt1z3gNPA_Jrv7tz9zdX0FmeTB2rs6KDpy1Tzyob64

-1-0-0 9-4-3 16-5-12 25-0-0 33-6-4 40-7-13 50-0-0 51-0-0
1-0-0 9-4-3 7-1-9 8-6-4 8-6-4 7-1-9 9-4-3 1-0-0

Scale = 1:86.6



9-4-3 16-5-12 25-0-0 29-2-12 33-6-4 40-7-13 50-0-0
9-4-3 7-1-9 8-6-4 4-2-12 4-3-8 7-1-9 9-4-3

Plate Offsets (X,Y)-- [16:0-3-0,0-4-8], [19:0-3-8,0-2-8], [21:0-2-8,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.19	19-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.40	19-20	>867	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.11	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	19-20	>999	240	Weight: 355 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 16-17.
WEBS 1 Row at midpt 10-16, 6-19, 4-20, 8-17

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 17=0-3-8
Max Horz 2=127(LC 12)
Max Uplift 2=-20(LC 12)
Max Grav 2=1583(LC 1), 12=1401(LC 1), 17=1112(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2786/94, 4-6=-2270/140, 6-7=-1417/165, 7-8=-1423/180, 8-10=-1801/134, 10-12=-2392/104
BOT CHORD 2-22=-37/2476, 20-22=-37/2476, 19-20=0/2031, 17-19=0/1250, 16-17=0/1603, 14-16=0/2115, 12-14=0/2115
WEBS 7-19=0/681, 8-16=-5/361, 10-16=-651/118, 10-14=0/321, 6-19=-1093/102, 6-20=0/598, 4-20=-537/112, 4-22=0/251, 8-17=-833/112

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) -0-9-10 to 4-2-6, Interior(1) 4-2-6 to 25-0-0, Exterior(2) 25-0-0 to 32-0-14, Interior(1) 32-0-14 to 50-9-10 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 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

August 15,2022

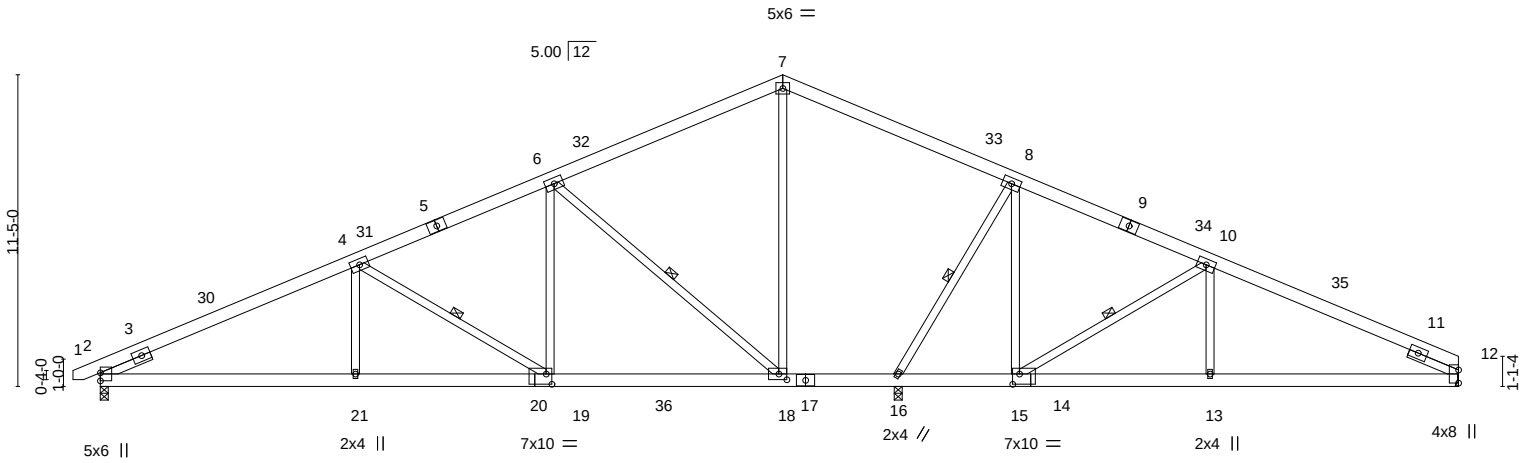
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641779
PCK75	A07	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:03 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-1x_nOliexoE14DHG4a?5cRK6BHtLJmbdg7R8Xsyob62

-1-0-0 9-4-3 16-5-12 25-0-0 33-6-4 40-7-13 49-9-0
1-0-0 9-4-3 7-1-9 8-6-4 8-6-4 7-1-9 9-1-3

Scale = 1:84.4



9-4-3 16-5-12 25-0-0 29-2-12 33-6-4 40-7-13 49-9-0
9-4-3 7-1-9 8-6-4 4-2-12 4-3-8 7-1-9 9-1-3

Plate Offsets (X,Y)-- [15:0-3-0,0-4-8], [18:0-3-8,0-2-8], [20:0-2-8,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.20	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.41	18-19	>852	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	18-19	>999	240	Weight: 351 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 15-16.
WEBS 1 Row at midpt 10-15, 6-18, 4-19, 8-16

REACTIONS. (size) 2=0-3-8, 12=Mechanical, 16=0-3-8
Max Horz 2=131(LC 12)
Max Uplift 2=-20(LC 12)
Max Grav 2=1580(LC 1), 12=1343(LC 1), 16=1105(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2778/94, 4-6=-2262/141, 6-7=-1407/165, 7-8=-1413/181, 8-10=-1779/137, 10-12=-2319/112
BOT CHORD 2-21=-42/2468, 19-21=-42/2468, 18-19=0/2023, 16-18=0/1233, 15-16=0/1586, 13-15=-21/2044, 12-13=-21/2044
WEBS 7-18=0/676, 8-15=-8/340, 10-15=-598/122, 10-13=0/302, 6-18=-1095/101, 6-19=0/600, 4-19=-537/112, 4-21=0/251, 8-16=-821/112

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) -0-9-10 to 4-2-6, Interior(1) 4-2-6 to 25-0-0, Exterior(2) 25-0-0 to 32-0-14, Interior(1) 32-0-14 to 49-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.

August 15,2022

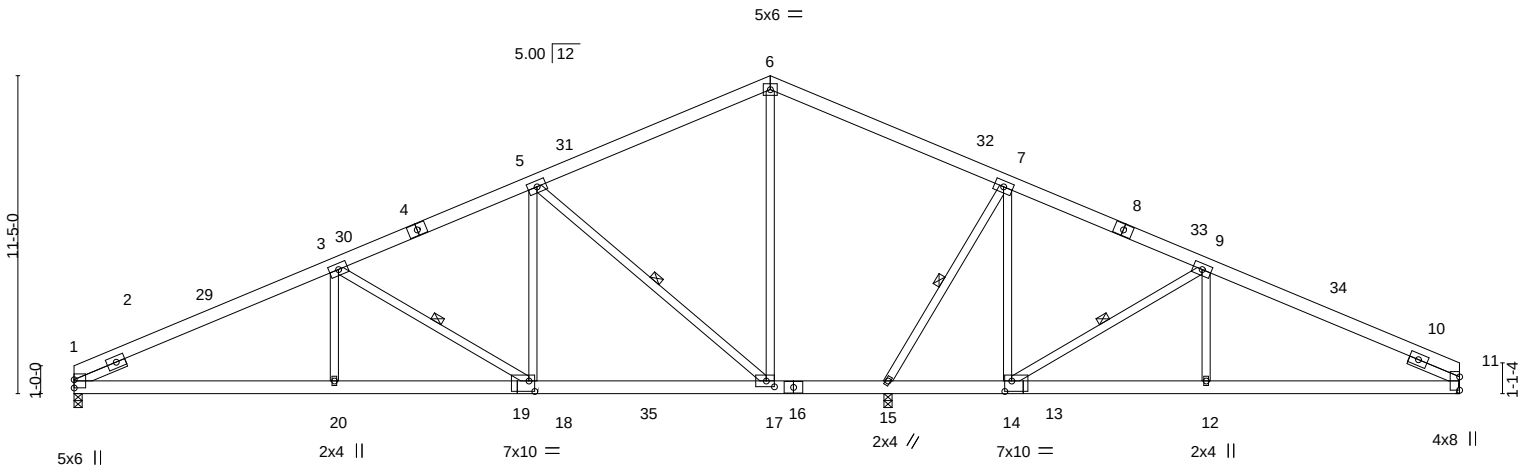
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641780
PCK75	A08	COMMON	4	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:04 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-V7Y9c5iGi5MuiMrSeIWK9ftH3hDa2DqnvnAh3Iyob61

9-4-3	16-5-12	25-0-0	33-6-4	40-7-13	49-9-0
9-4-3	7-1-9	8-6-4	8-6-4	7-1-9	9-1-3

Scale = 1:82.7



9-4-3	16-5-12	25-0-0	29-2-12	33-6-4	40-7-13	49-9-0
9-4-3	7-1-9	8-6-4	4-2-12	4-3-8	7-1-9	9-1-3

Plate Offsets (X,Y)-- [14:0-3-0,0-4-8], [17:0-3-8,0-2-8], [19:0-2-8,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.20	17-18	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.41	17-18	>852	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	17-18	>999	240	Weight: 349 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-11-12, Right 2x4 SP No.3 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 14-15.
WEBS	1 Row at midpt 9-14, 5-17, 3-18, 7-15

REACTIONS. (size) 1=0-3-8, 11=Mechanical, 15=0-3-8
Max Horz 1=123(LC 12)
Max Uplift 1=-8(LC 12)
Max Grav 1=1531(LC 1), 11=1344(LC 1), 15=1105(LC 1)

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

TOP CHORD	1-3=-2783/105, 3-5=-2264/141, 5-6=-1408/165, 6-7=-1414/181, 7-9=-1780/137, 9-11=-2320/112
BOT CHORD	1-20=-43/2473, 18-20=-43/2473, 17-18=0/2025, 15-17=0/1234, 14-15=0/1587, 12-14=-21/2045, 11-12=-21/2045
WEBS	6-17=0/677, 7-14=-8/340, 9-14=-598/122, 9-12=0/302, 5-17=-1096/101, 5-18=0/600, 3-18=-541/112, 3-20=0/251, 7-15=-821/112

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) 0-0-0 to 5-0-0, Interior(1) 5-0-0 to 25-0-0, Exterior(2) 25-0-0 to 32-0-14, Interior(1) 32-0-14 to 49-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

August 15,2022

ENGINEERING BY TRENCO
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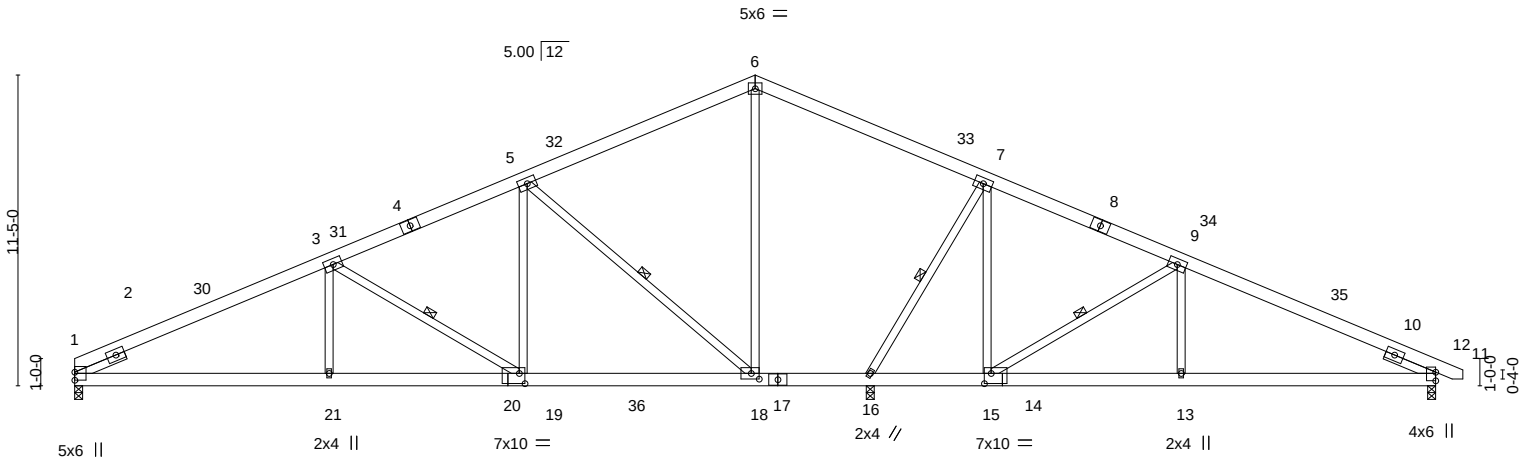
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641781
PCK75	A09	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:05 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-zJ6YpRjuTPUlKWQfC?1ZhsPSm5Z_ng6w8RwEckyob60

9-4-3	16-5-12	25-0-0	33-6-4	40-7-13	50-0-0	51-0-0
9-4-3	7-1-9	8-6-4	8-6-4	7-1-9	9-4-3	1-0-0

Scale = 1:84.6



9-4-3	16-5-12	25-0-0	29-2-12	33-6-4	40-7-13	50-0-0
9-4-3	7-1-9	8-6-4	4-2-12	4-3-8	7-1-9	9-4-3

Plate Offsets (X,Y)-- [15:0-3-0,0-4-8], [18:0-3-8,0-2-8], [20:0-2-8,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.19	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.40	18-19	>867	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.11	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	18-19	>999	240	Weight: 353 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 1-11-12, Right 2x4 SP No.3 1-11-12

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 15-16.
WEBS	1 Row at midpt 9-15, 5-18, 3-19, 7-16

REACTIONS. (size) 1=0-3-8, 11=0-3-8, 16=0-3-8
Max Horz 1=-130(LC 17)
Max Uplift 1=-8(LC 12)
Max Grav 1=1535(LC 1), 11=1402(LC 1), 16=1112(LC 1)

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

TOP CHORD	1-3=-2791/104, 3-5=-2273/140, 5-6=-1419/165, 6-7=-1424/180, 7-9=-1802/134, 9-11=-2393/104
BOT CHORD	1-21=-37/2481, 19-21=-37/2481, 18-19=0/2033, 16-18=0/1251, 15-16=0/1605, 13-15=0/2116, 11-13=0/2116
WEBS	6-18=0/682, 7-15=-5/361, 9-15=-651/118, 9-13=0/321, 5-18=-1094/102, 5-19=0/599, 3-19=-541/112, 3-21=0/252, 7-16=-833/112

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) 0-0-0 to 5-0-0, Interior(1) 5-0-0 to 25-0-0, Exterior(2) 25-0-0 to 32-0-14, Interior(1) 32-0-14 to 50-9-10 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 5x8 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641782
PCK75	A10G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:07 2022 Page 1
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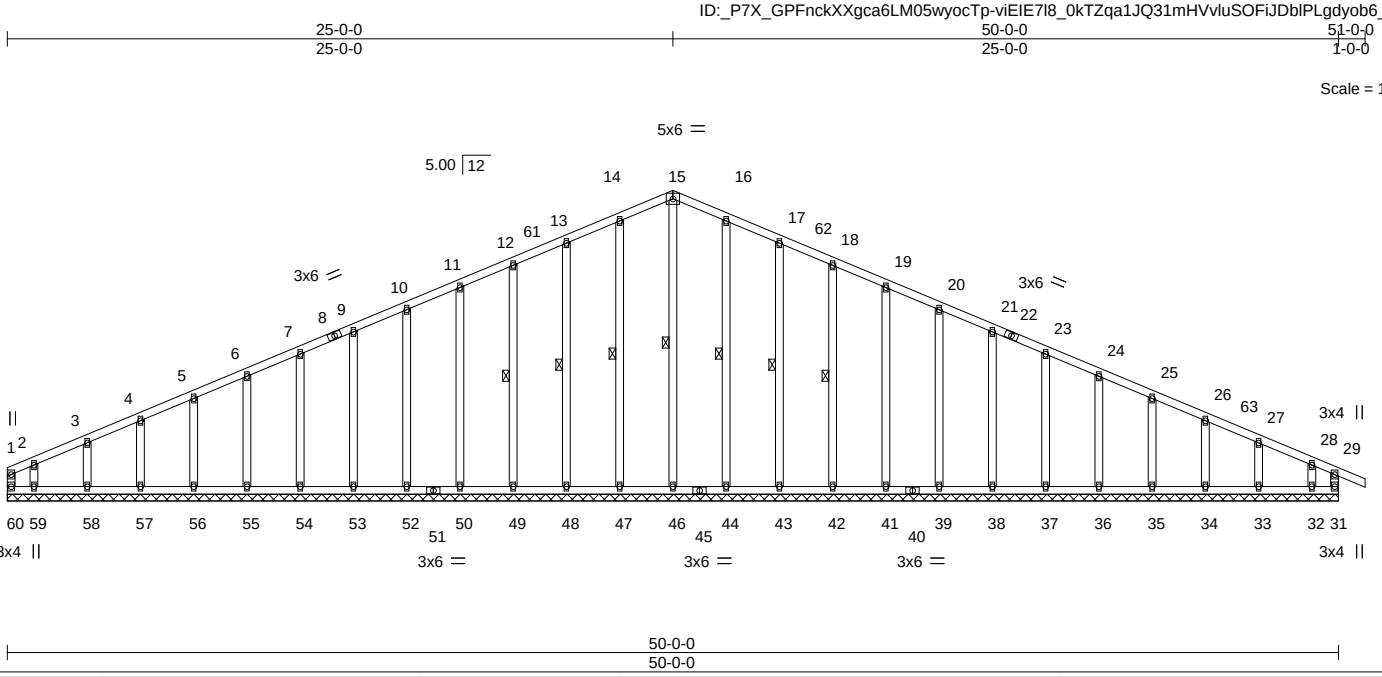

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	30	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.01	30	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.01	31	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 369 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 15-46, 14-47, 13-48, 12-49, 16-44, 17-43, 18-42

REACTIONS. All bearings 50-0-0.
(lb) - Max Horz 60=-131(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 60, 31, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33 except 59=-157(LC 12), 32=-121(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 60, 31, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33, 32

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 12-13=-94/279, 13-14=-105/311, 14-15=-115/337, 15-16=-115/329, 16-17=-105/303, 17-18=-94/271

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) 0-1-12 to 5-0-0, Exterior(2) 5-0-0 to 25-0-0, Corner(3) 25-0-0 to 30-0-0, Exterior(2) 30-0-0 to 51-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable 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) 60, 31, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 44, 43, 42, 41, 39, 38, 37, 36, 35, 34, 33 except (jt=lb) 59=157, 32=121.

August 15,2022

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641783
PCK75	B01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:09 2022 Page 1

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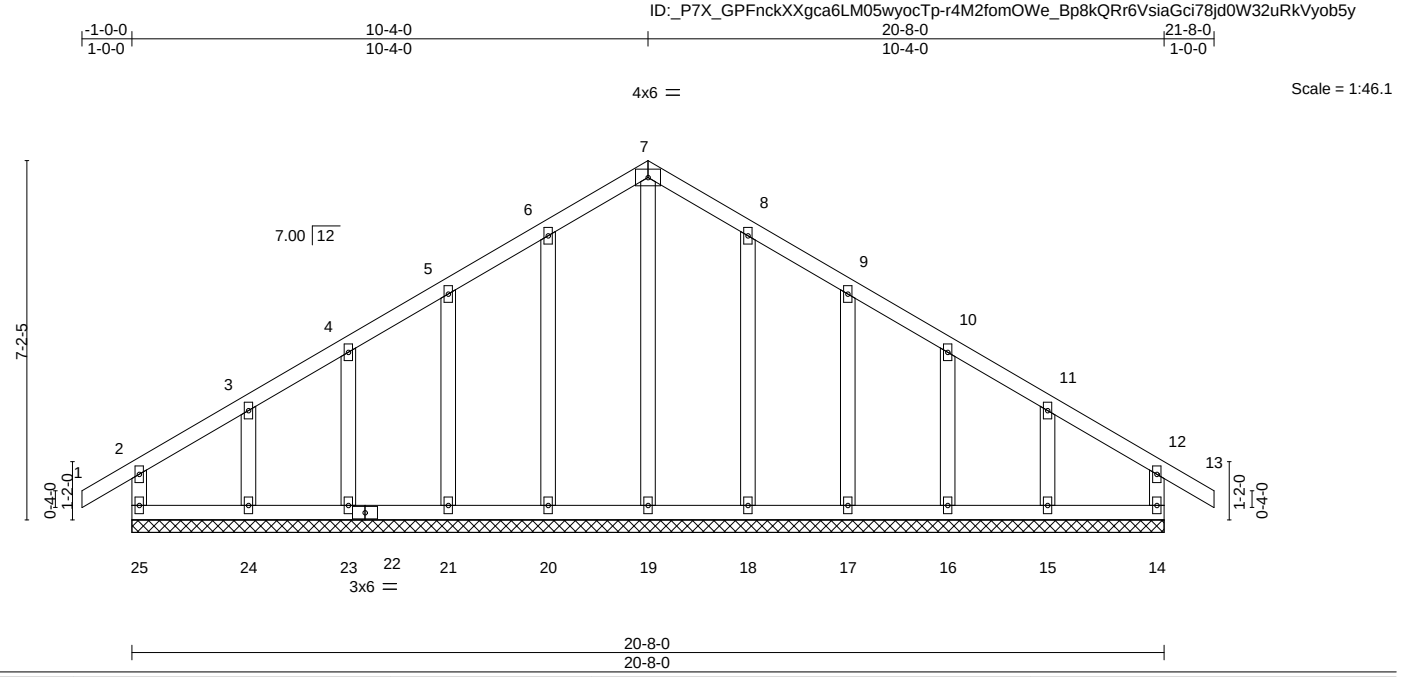

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-R							Weight: 127 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 20-8-0.

(lb) - Max Horz 25=157(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 25, 14, 20, 21, 23, 24, 18, 17, 16, 15

Max Grav All reactions 250 lb or less at joint(s) 25, 14, 19, 20, 21, 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, 20, 21, 23, 24, 18, 17, 16, 15.

August 15,2022

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641784
PCK75	B02	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:10 2022 Page 1
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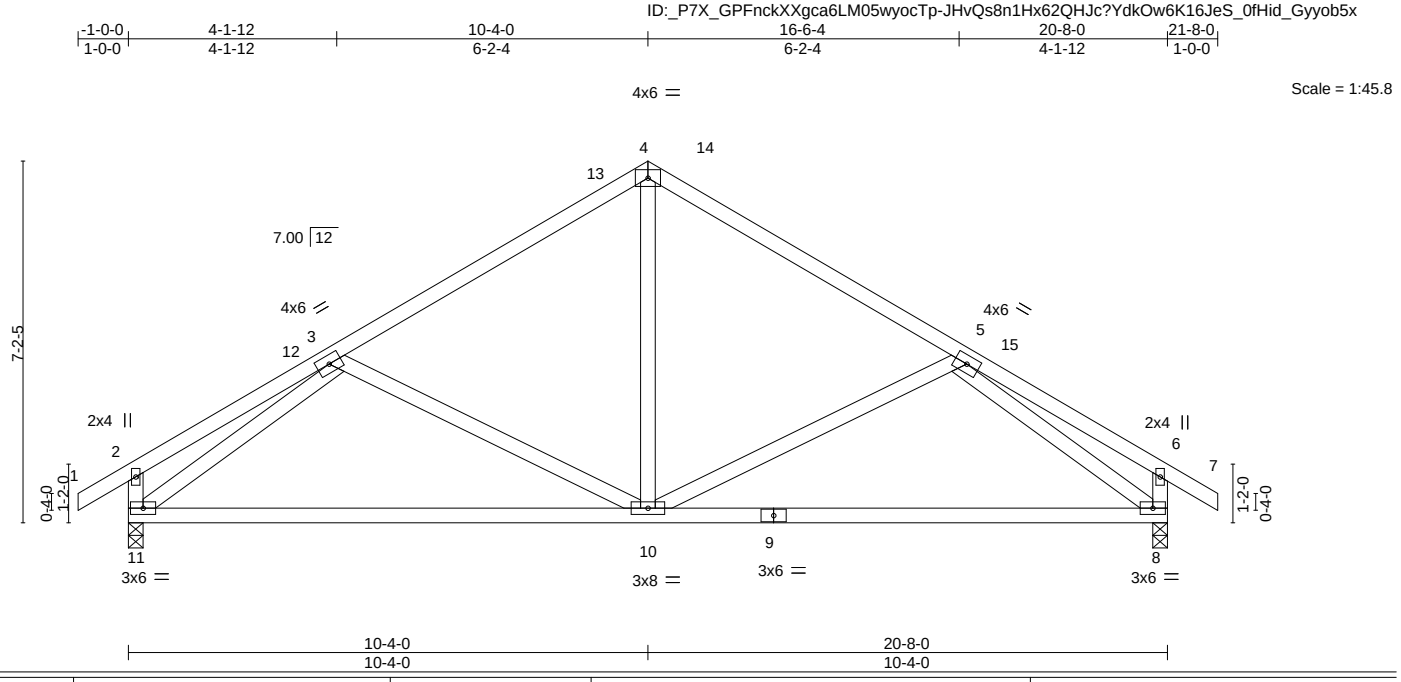

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.21	8-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.42	8-10	>580	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.01	10	>999	240	Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-11: 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 11=0-3-8, 8=0-3-8
Max Horz 11=-157(LC 10)
Max Uplift 11=-21(LC 12), 8=-21(LC 13)
Max Grav 11=884(LC 1), 8=884(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-848/82, 4-5=-848/82
BOT CHORD 10-11=-96/822, 8-10=-29/806
WEBS 4-10=0/485, 5-8=-902/114, 3-11=-903/113

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 4-0-7, Interior(1) 4-0-7 to 10-4-0, Exterior(2) 10-4-0 to 17-1-7, Interior(1) 17-1-7 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) 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) 11, 8.

August 15,2022

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641785
PCK75	B03GR	COMMON	1	2	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:11 2022 Page 1

ID:_P7X_GPFnckXXgca6LM05wyocTp-oTTp4Uof2FFv2RuoYG8zx7fSAVgGBKjpWMNYoOyob5w

5-8-2	11-8-2	17-4-7	20-6-4	24-10-0	28-10-0	30-0-4
5-8-2	6-0-0	5-8-5	3-1-13	4-3-12	4-0-0	1-2-4

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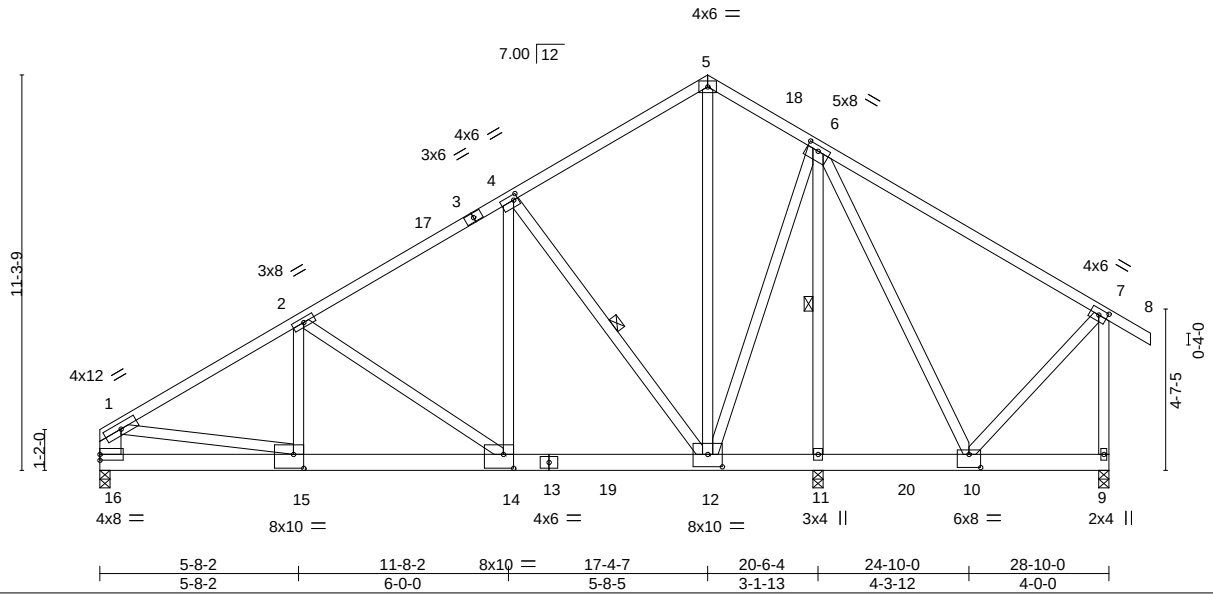

Plate Offsets (X,Y)-- [4:0-1-8,0-1-12], [6:0-4-0,0-1-12], [7:0-2-14,0-2-0], [10:0-4-0,0-4-8], [12:0-5-0,0-4-4], [14:0-3-8,0-4-12], [15:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.13	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.26	14-15	>927	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.10	14-15	>999	240	Weight: 479 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP DSS
WEBS	2x4 SP No.2 *Except* 1-16: 2x8 SP DSS, 6-11: 2x4 SP No.1

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-9-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-12, 6-11

REACTIONS. (size) 16=0-3-8 (req. 0-4-4), 9=0-3-8, 11=0-3-8 (req. 0-6-5)
Max Horz 16=263(LC 7)
Max Uplift 16=-537(LC 8), 9=-196(LC 9), 11=-786(LC 9)
Max Grav 16=7226(LC 15), 9=2755(LC 20), 11=10671(LC 15)

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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

TOP CHORD	1-16=-5486/427, 1-2=-8580/643, 2-4=-5816/456, 4-5=-2051/210, 5-6=-2055/230, 6-7=-1058/122, 7-9=-1615/111
BOT CHORD	15-16=-234/1616, 14-15=-614/7492, 12-14=-346/5083
WEBS	1-15=-386/5966, 2-15=-175/2725, 2-14=-2914/324, 4-14=-445/5911, 4-12=-5492/492, 5-12=-227/1841, 6-12=-373/5302, 6-11=-7558/585, 7-10=-21/1181, 6-10=-185/1897

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 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 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) WARNING: Required bearing size at joint(s) 16, 11 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=537, 9=196, 11=786.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-5=-60, 5-7=-60, 7-8=-60, 9-16=-650(F=-630)

August 15,2022

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641786
PCK75	B04G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:12 2022 Page 1
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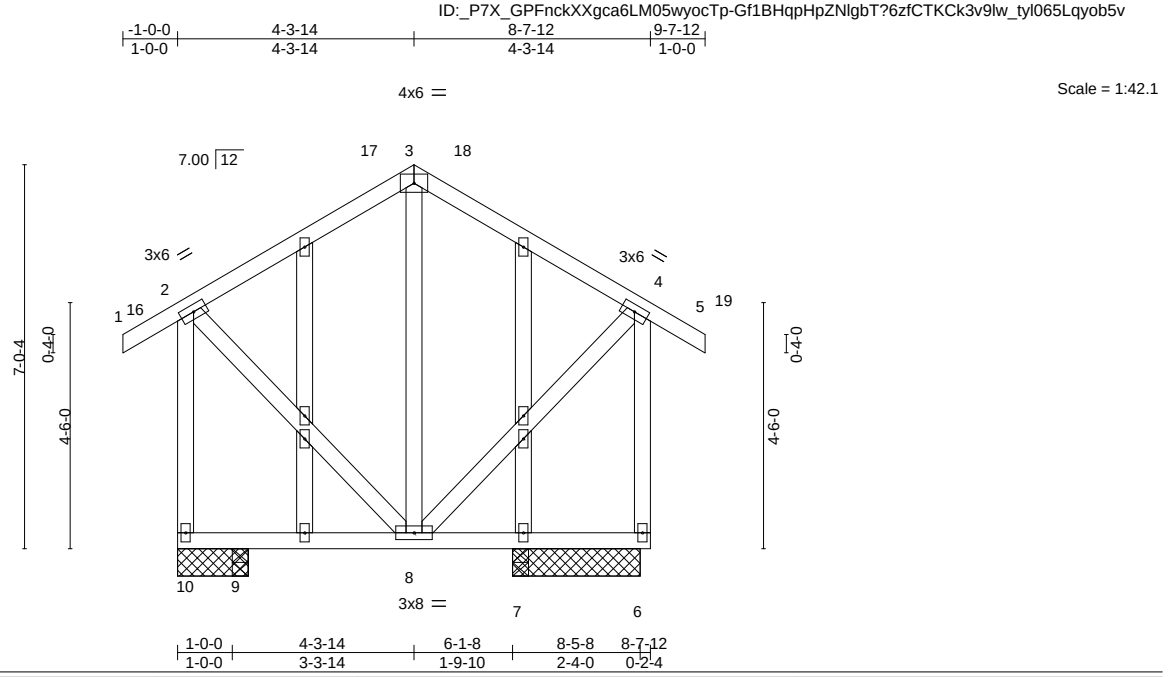

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.00	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	-0.01	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.00	8	>999	240	Weight: 85 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 2-4-0 except (jt=length) 10=1-3-8, 9=0-3-8.
(lb) - Max Horz 10=-184(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 10, 6
Max Grav All reactions 250 lb or less at joint(s) 7, 7, 9 except 10=332(LC 1), 6=356(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-339/147, 4-6=-338/149

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 4-3-14, Exterior(2) 4-3-14 to 9-1-8, Interior(1) 9-1-8 to 9-7-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) 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) 10, 6.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641787
PCK75	B05G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:13 2022 Page 1
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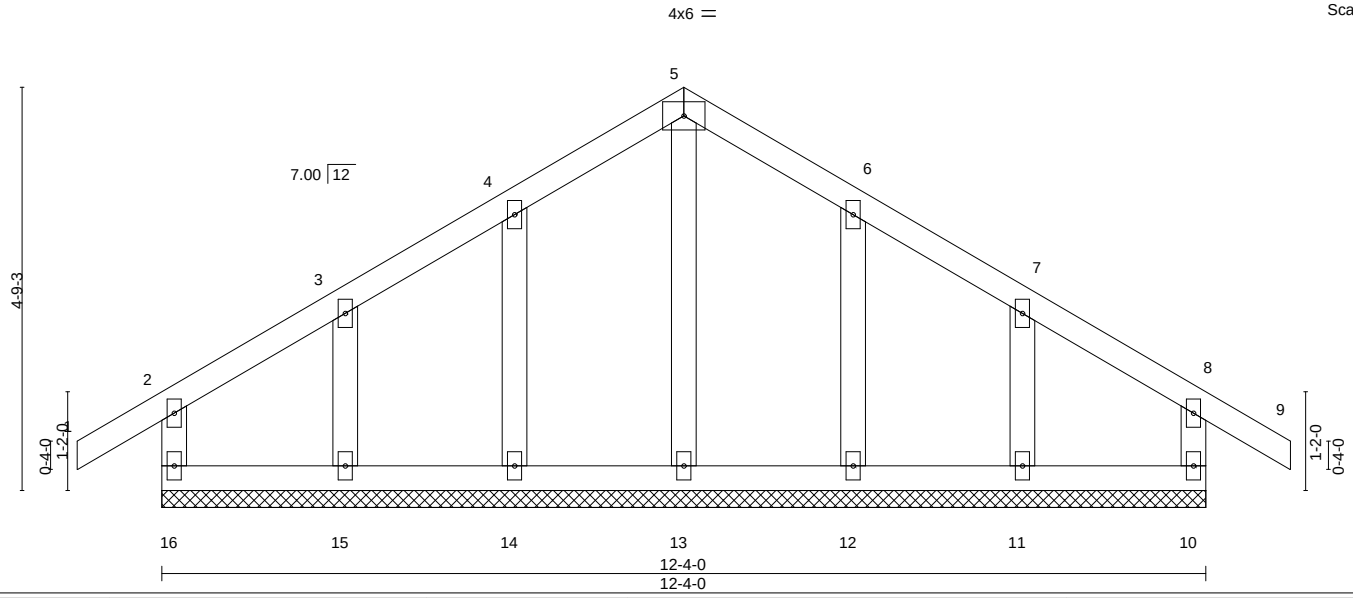

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-R							Weight: 66 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=-109(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.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641788
PCK75	B06GR	COMMON	1	2	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:14 2022 Page 1
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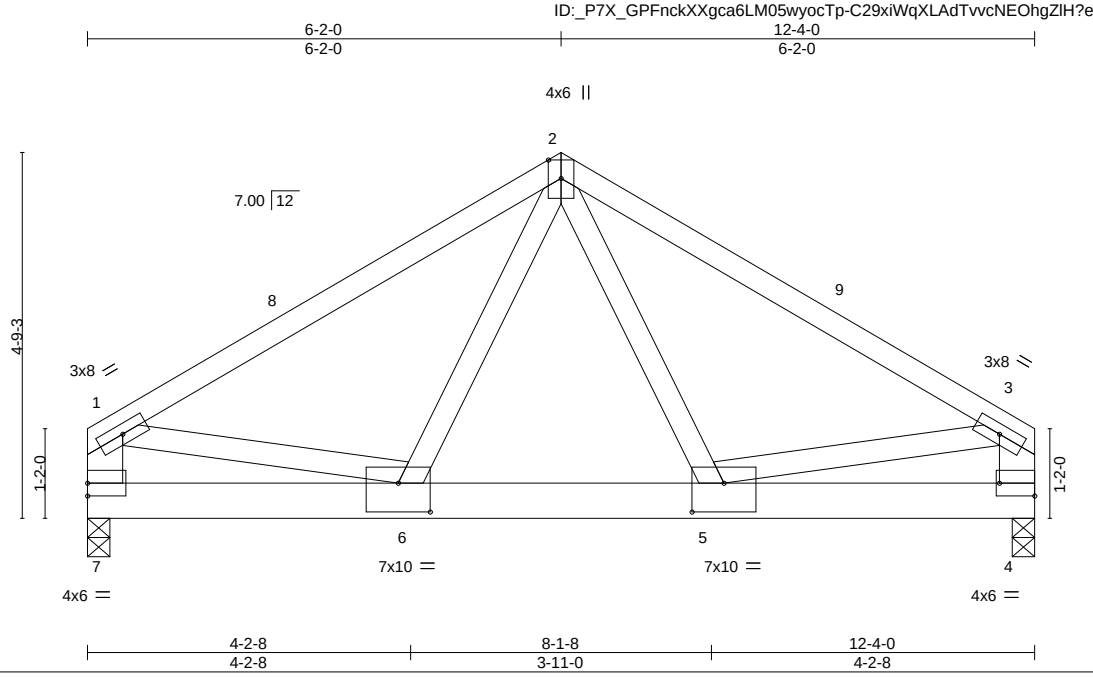

Plate Offsets (X,Y)-- [4:Edge,0-2-0], [5:0-5-0,0-4-8], [6:0-5-0,0-4-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.04	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.08	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: 156 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 or 5-3-5 oc purlins, 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=94(LC 7)
Max Uplift 7=-349(LC 8), 4=-349(LC 9)
Max Grav 7=4731(LC 15), 4=4711(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-3313/264, 1-2=-4832/375, 2-3=-4845/375, 3-4=-3292/263
BOT CHORD 6-7=-143/900, 5-6=-215/3131, 4-5=-112/793
WEBS 2-5=-166/2455, 3-5=-227/3428, 2-6=-166/2483, 1-6=-226/3348

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 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.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=349, 4=349.

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=-693(F=-673)

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641789
PCK75	CV01	MONO HIP	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:15 2022 Page 1
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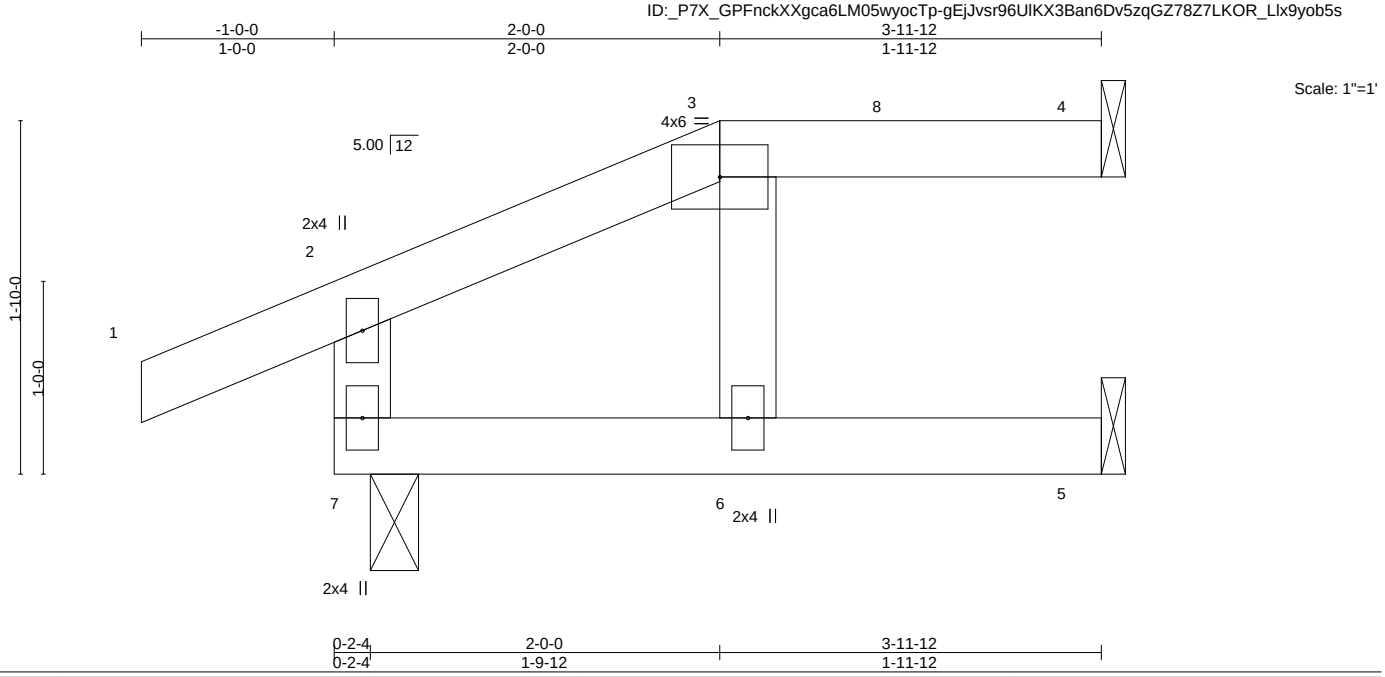

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.01	6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.02	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.01	6	>999	240	Weight: 16 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-12 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 7=0-3-0, 4=Mechanical, 5=Mechanical
Max Horz 7=38(LC 5)
Max Uplift 7=-23(LC 8), 4=-20(LC 5)
Max Grav 7=239(LC 1), 4=88(LC 1), 5=67(LC 3)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4.
8) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 2-6-0 end setback.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-64(F=-4), 3-4=-64(F=-4), 5-7=-21(F=-1)

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641790
PCK75	CV02	JACK	3	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:15 2022 Page 1
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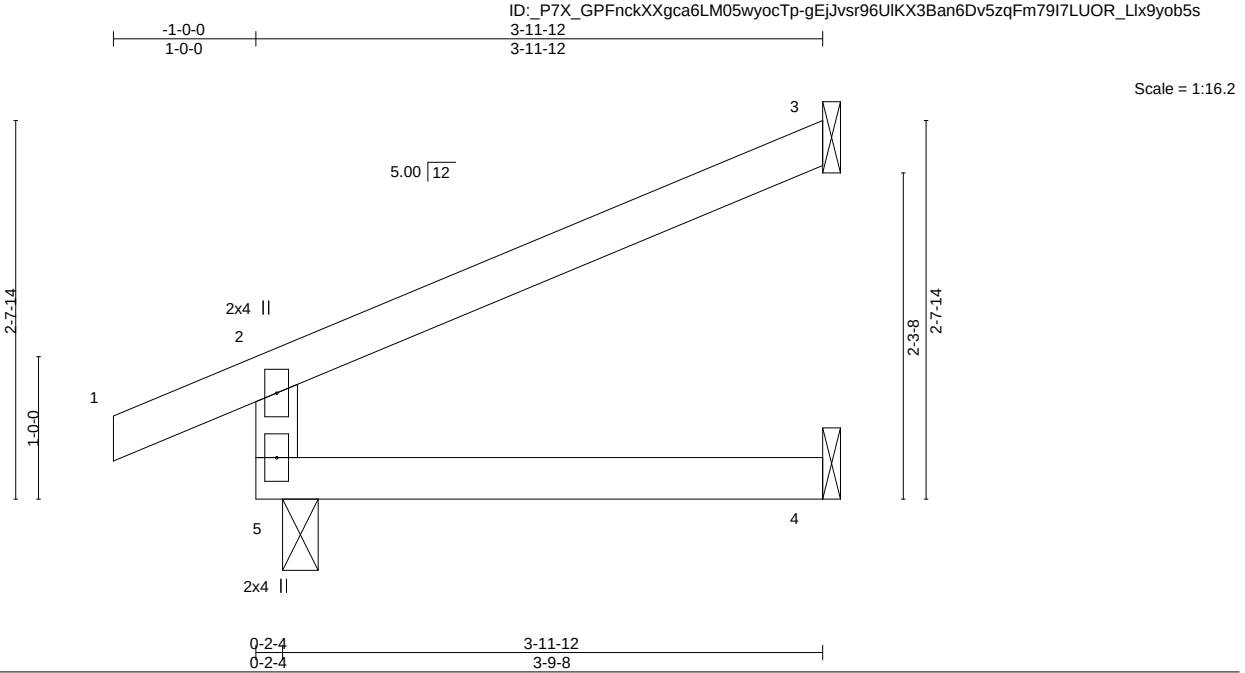


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014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

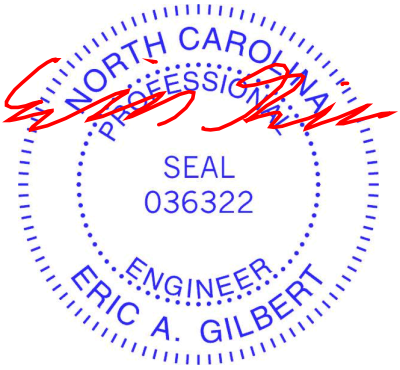
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-12 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=53(LC 12)
Max Uplift 5=-11(LC 12), 3=-43(LC 12)
Max Grav 5=230(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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3.



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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641791
PCK75	CV03	JACK	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:16 2022 Page 1

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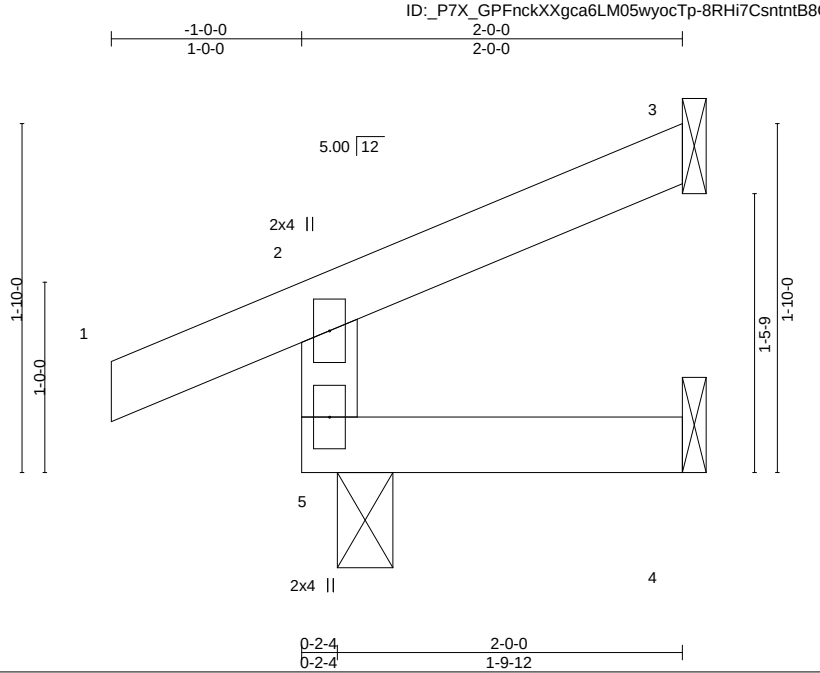

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	4-5	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	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=36(LC 5)
Max Uplift 3=-22(LC 8), 5=-16(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.

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641792
PCK75	CV04GR	HIP	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:17 2022 Page 1
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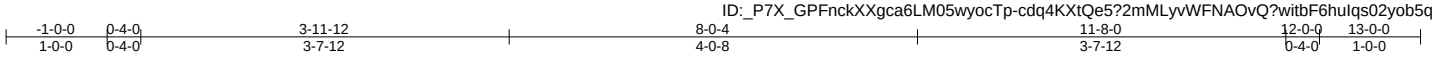

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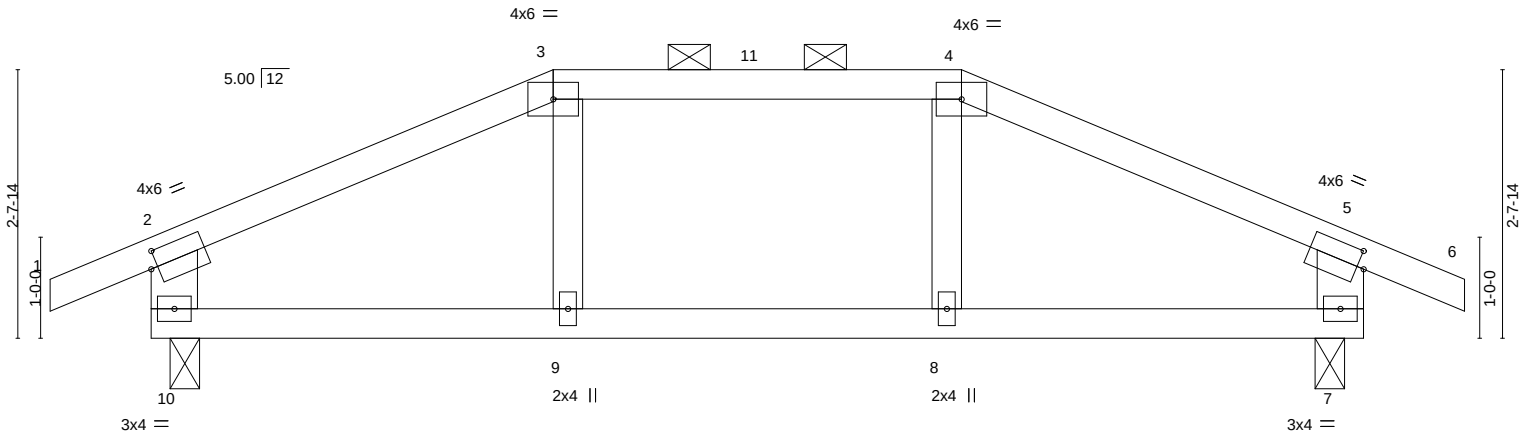

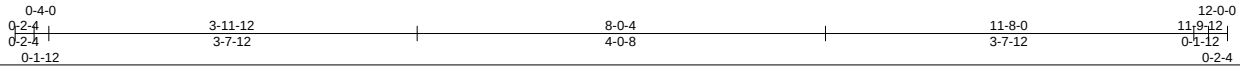

Plate Offsets (X,Y)-- [2:0-0-13,0-2-0], [5:0-0-13,0-2-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.08	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.16	8-9	>861	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)	0.05	8-9	>999	240	Weight: 49 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 4-7-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 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=-19(LC 6)
Max Uplift 10=-66(LC 8), 7=-66(LC 9)
Max Grav 10=735(LC 1), 7=735(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-619/94, 2-3=-832/75, 3-4=-677/81, 4-5=-832/75, 5-7=-619/94
BOT CHORD 9-10=-19/674, 8-9=-15/677, 7-8=-19/674

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 3-11-12 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)

August 15,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641793
PCK75	CV05	COMMON	2	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:17 2022 Page 1
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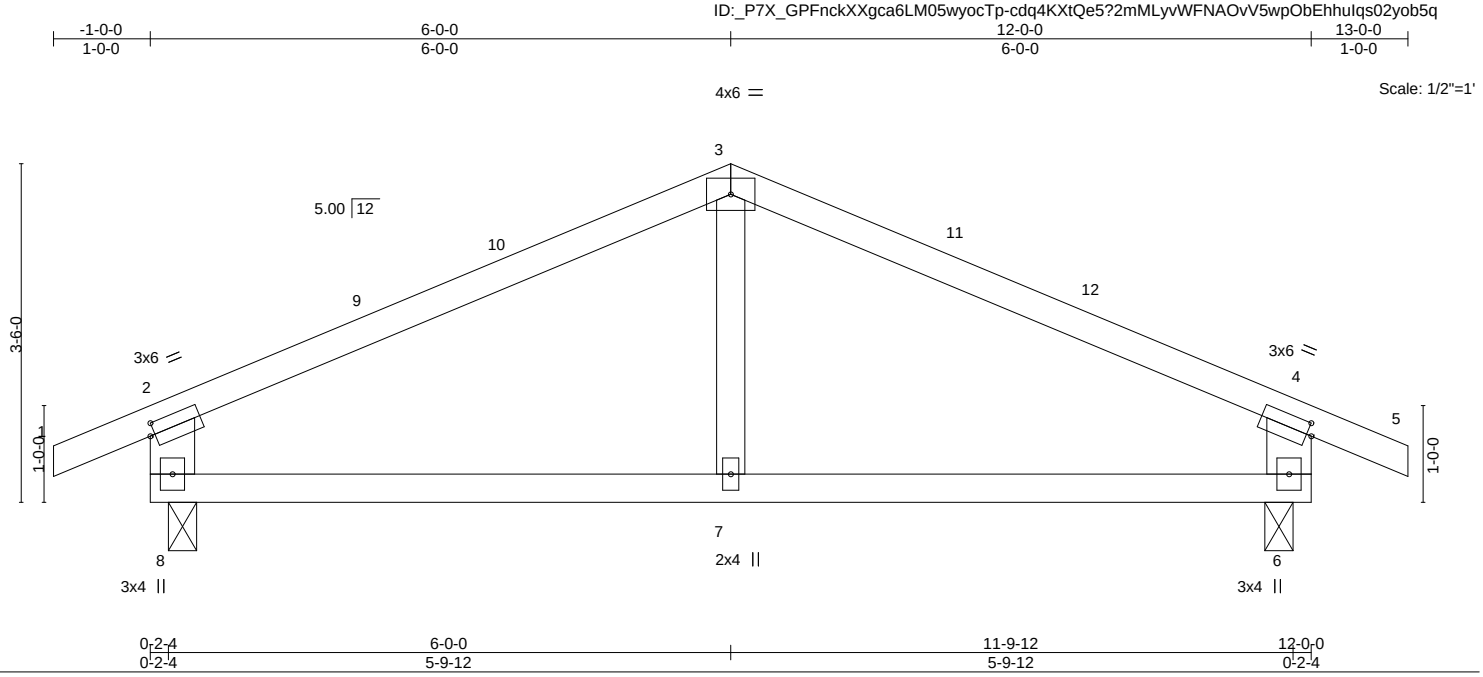

Plate Offsets (X,Y)-- [2:0-0-10,0-1-8], [4:0-0-10,0-1-8]

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	0.60	Vert(LL)	-0.03	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.08	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR		Wind(LL)	0.01	7-8	>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*
3-7: 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=-27(LC 17)
Max Uplift 8=-32(LC 12), 6=-32(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=-464/156, 2-3=-538/95, 3-4=-538/95, 4-6=-464/156
BOT CHORD 7-8=-17/421, 6-7=-17/421

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.

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641794
PCK75	V01	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:18 2022 Page 1
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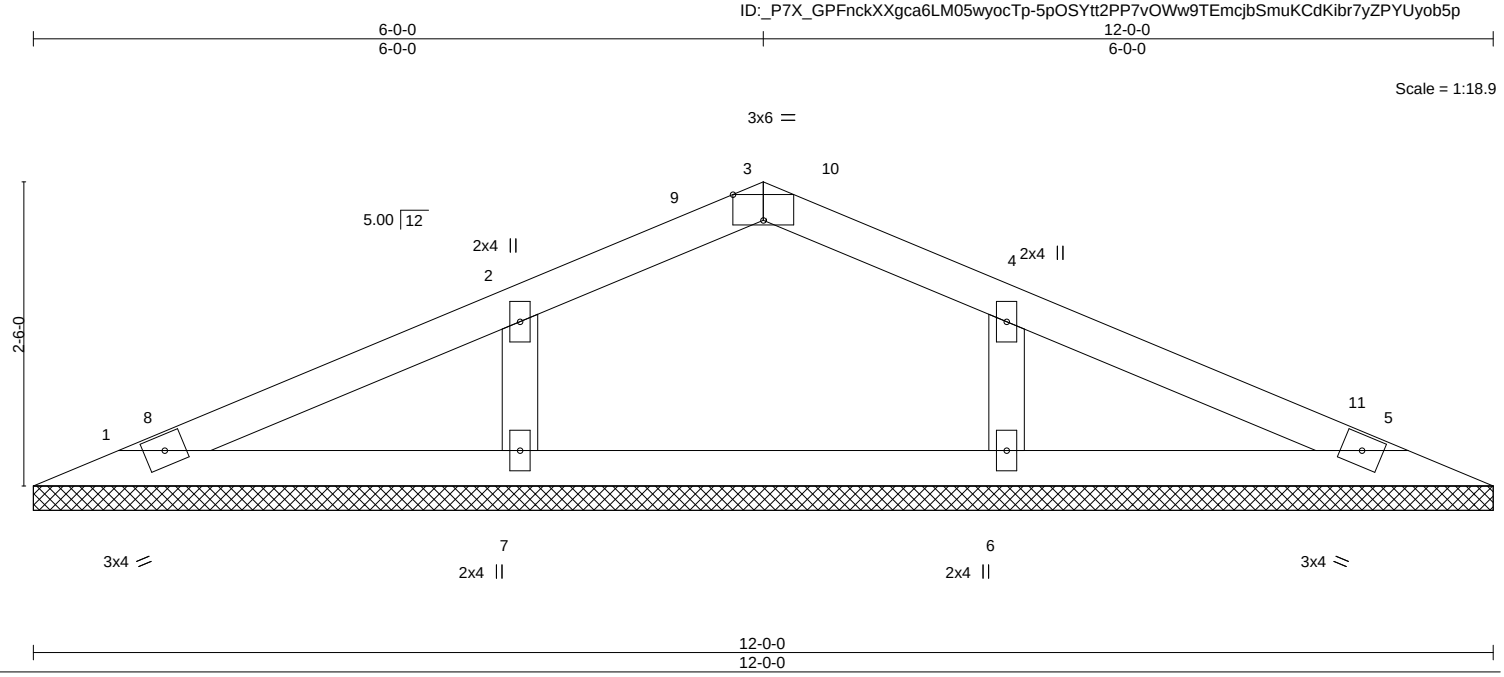

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	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: 38 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 12-0-0.
(lb) - Max Horz 1=29(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=291(LC 1), 7=291(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) 0-8-12 to 5-6-6, Interior(1) 5-6-6 to 6-0-0, Exterior(2) 6-0-0 to 10-9-10, Interior(1) 10-9-10 to 11-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6, 7.

August 15,2022

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641795
PCK75	V02	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:19 2022 Page 1
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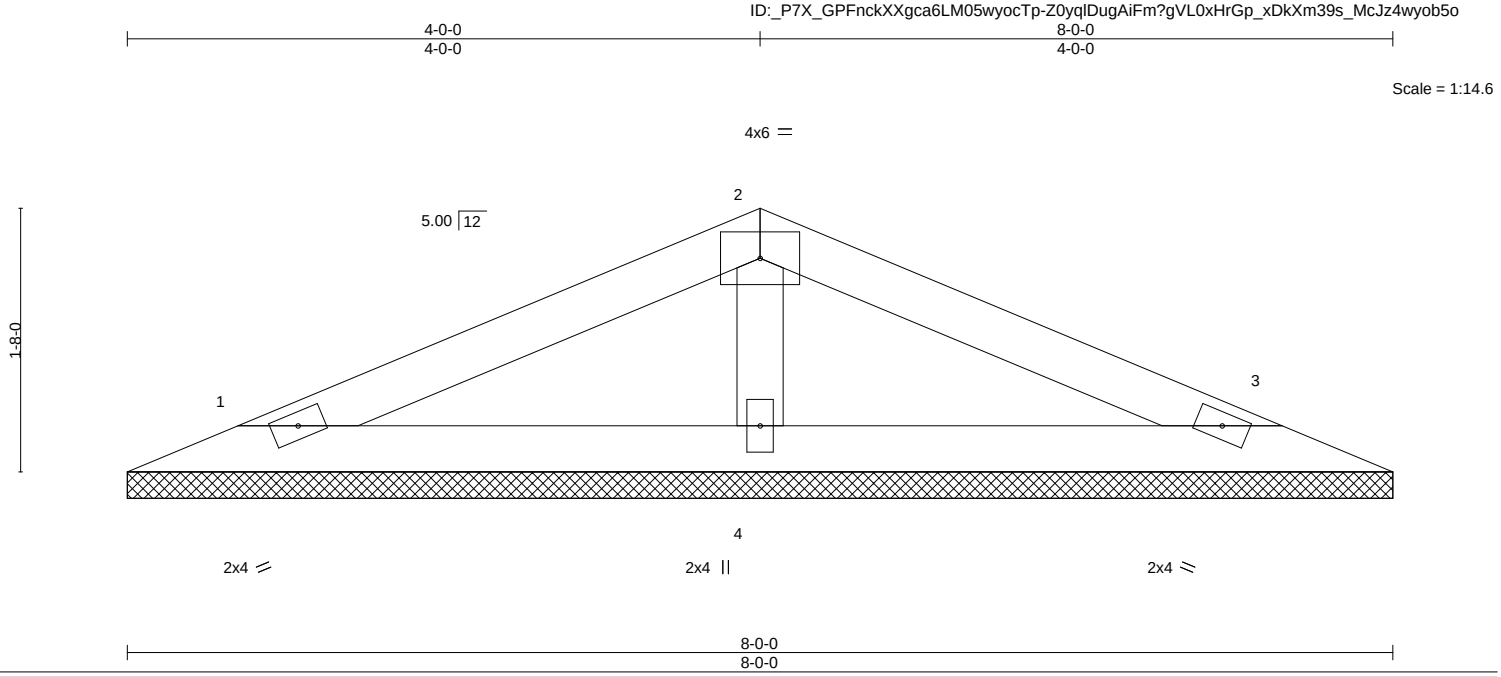

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 1=8-0-0, 3=8-0-0, 4=8-0-0
Max Horz 1=18(LC 16)
Max Uplift 1=-12(LC 12), 3=-16(LC 13)
Max Grav 1=118(LC 23), 3=118(LC 24), 4=294(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.

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641796
PCK75	V03	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:20 2022 Page 1
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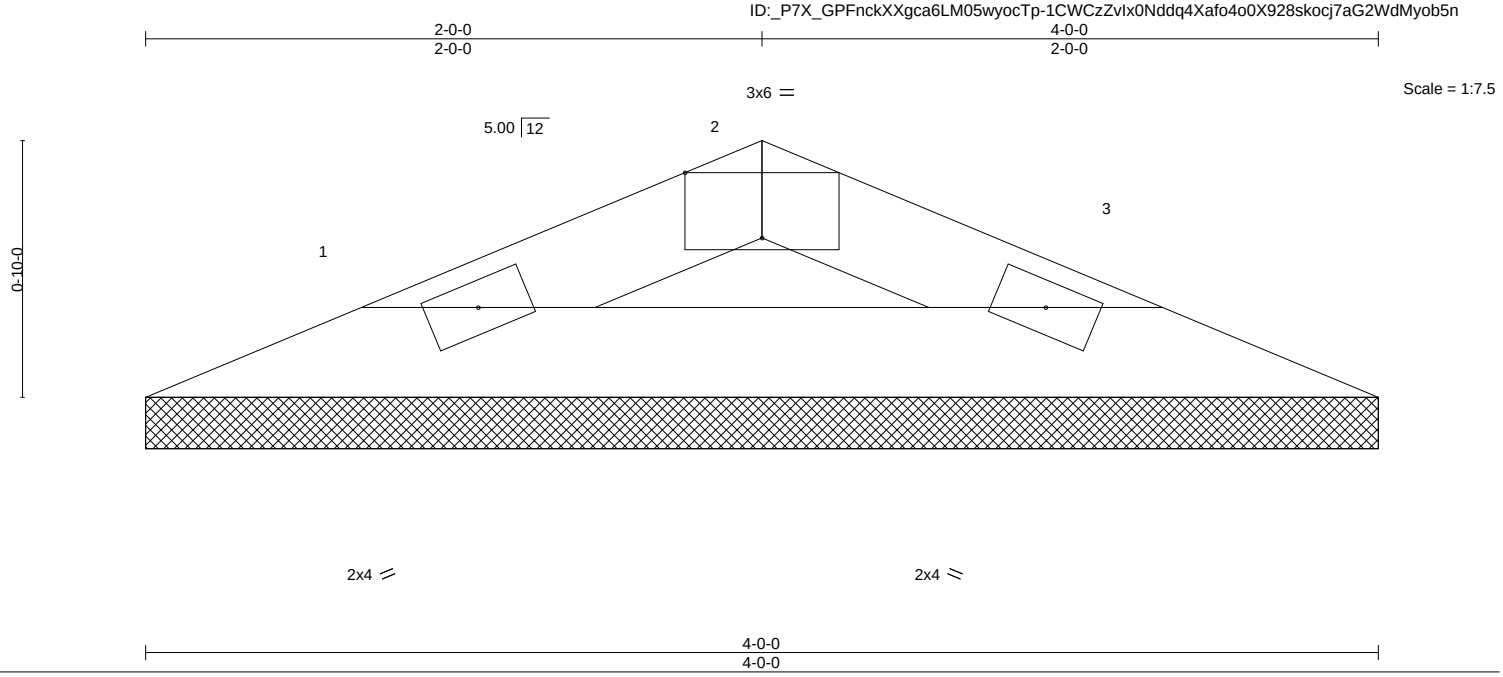

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

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

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

REACTIONS. (size) 1=4-0-0, 3=4-0-0
Max Horz 1=-7(LC 13)
Max Uplift 1=-4(LC 12), 3=-4(LC 13)
Max Grav 1=102(LC 1), 3=102(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.

August 15,2022

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641797
PCK75	V04	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:21 2022 Page 1
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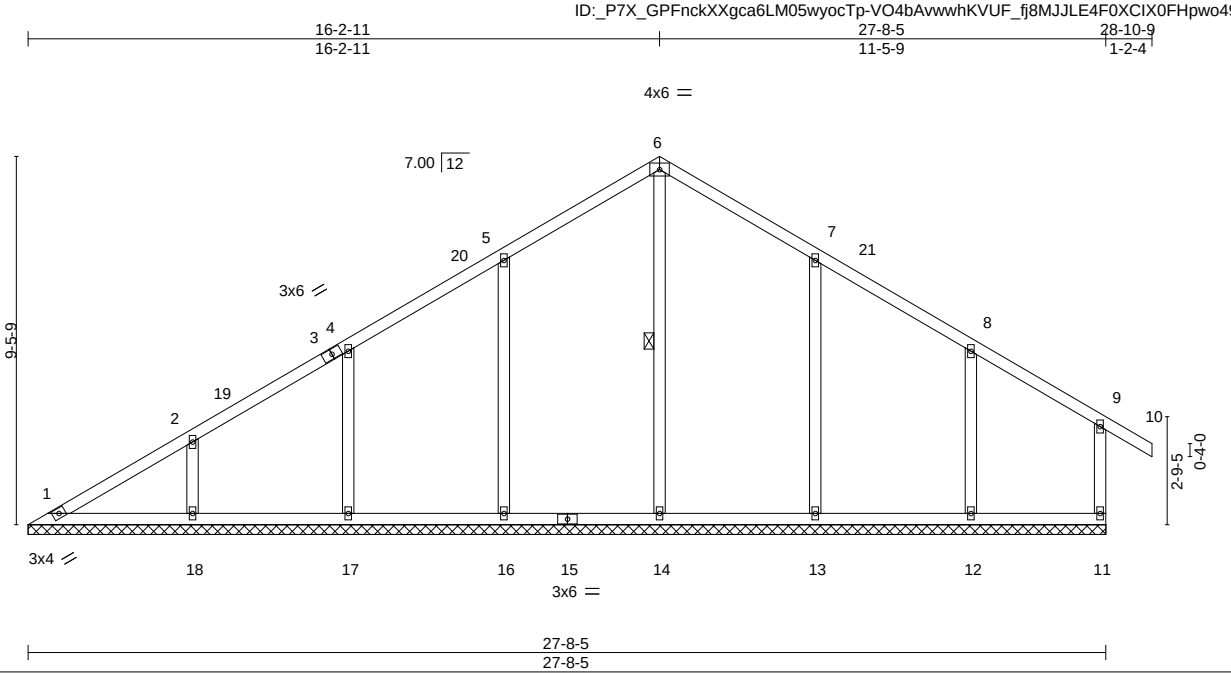

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.35	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.01	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 142 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.3 *Except* 6-10: 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 27-8-5.
(lb) - Max Horz 1=212(LC 11)
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=440(LC 19), 16=473(LC 19), 17=374(LC 19), 18=346(LC 23), 13=474(LC 20), 12=365(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-16=-264/126, 2-18=-259/121, 7-13=-266/126

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 16-2-11, Exterior(2) 16-2-11 to 21-0-5, Interior(1) 21-0-5 to 28-10-8 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.

August 15,2022

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641798
PCK75	V05	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:21 2022 Page 1
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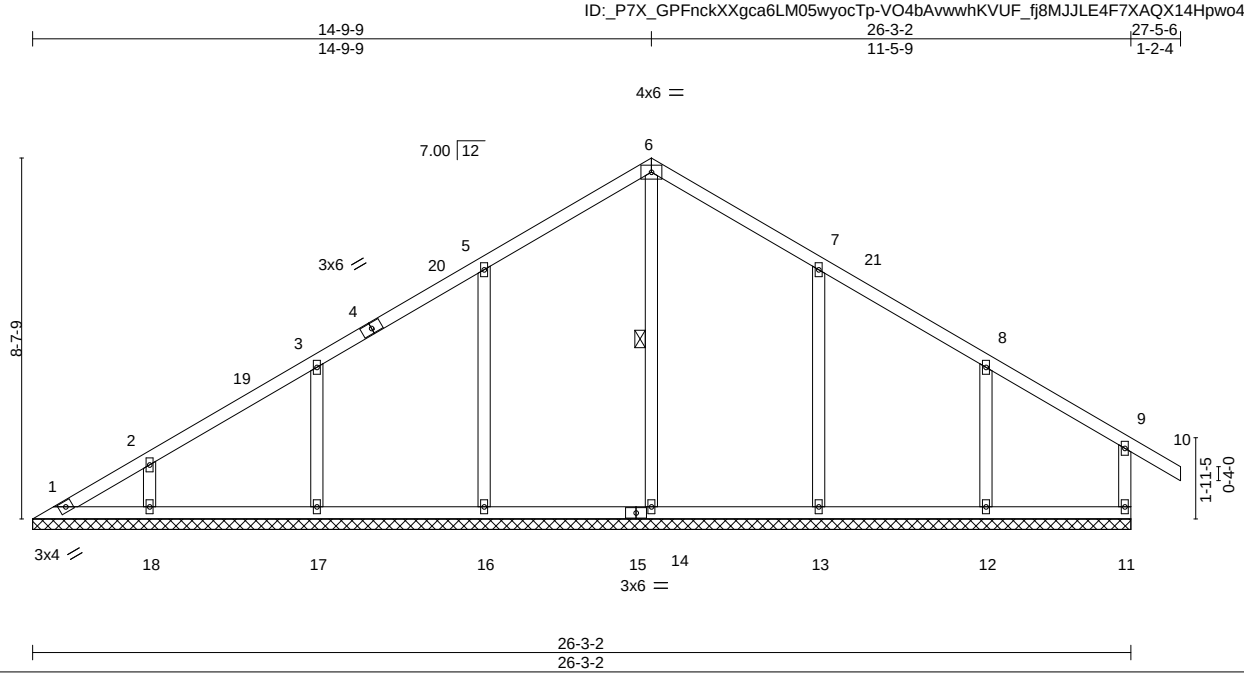

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.00	10	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.01	10	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 129 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.3 *Except* 6-10: 2x4 SP No.2
BOT CHORD	2x4 SP No.3 *Except* 1-15: 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 26-3-2.
(lb) - Max Horz 1=187(LC 11)
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=434(LC 22), 16=469(LC 19), 17=389(LC 19), 18=283(LC 23), 13=474(LC 20), 12=365(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-16=-261/125, 7-13=-266/126

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 14-9-9, Exterior(2) 14-9-9 to 19-7-2, Interior(1) 19-7-2 to 27-5-6 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.

August 15,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641799
PCK75	V06	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:22 2022 Page 1
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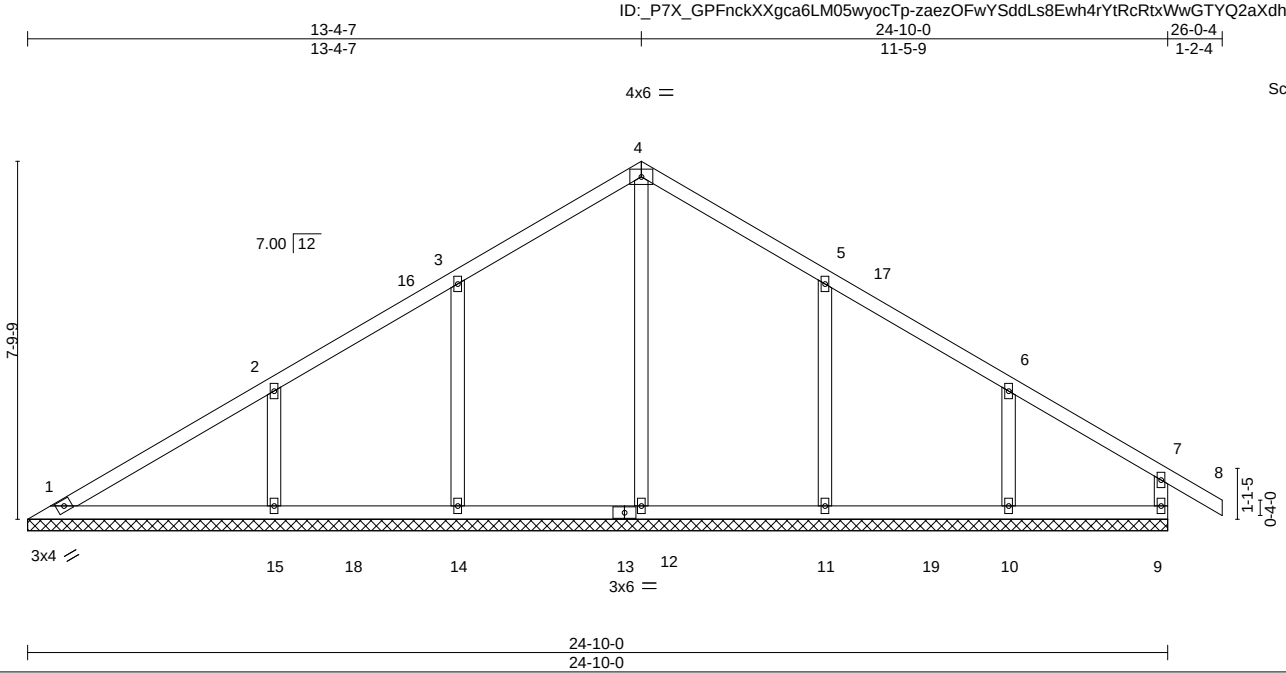

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.01	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 115 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 9-13: 2x4 SP No.3
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING-

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

REACTIONS. All bearings 24-10-0.
(lb) - Max Horz 1=162(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 14, 15, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 12=424(LC 22), 14=430(LC 19), 15=428(LC 19), 11=461(LC 20), 10=320(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-15=-302/141, 5-11=-265/125

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 5-4-7, Interior(1) 5-4-7 to 13-4-7, Exterior(2) 13-4-7 to 18-2-0, Interior(1) 18-2-0 to 26-0-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 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, 9, 14, 15, 11, 10.

August 15,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641800
PCK75	V07	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:23 2022 Page 1
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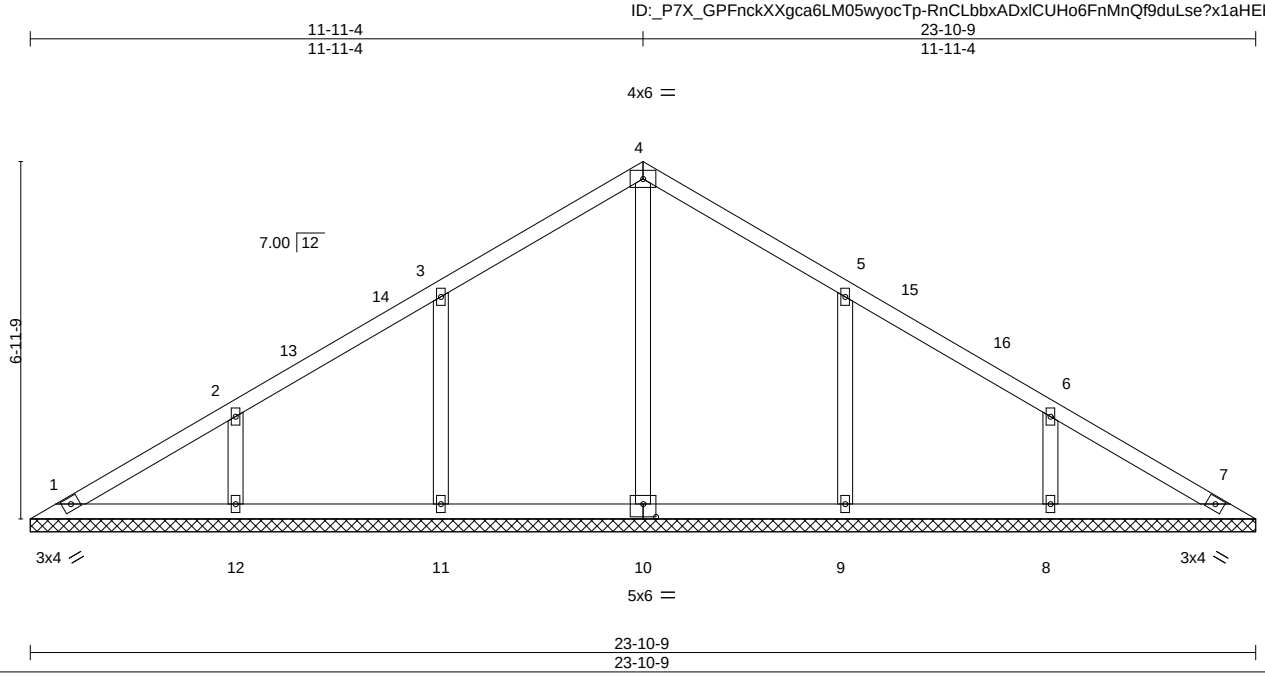

Plate Offsets (X,Y)-- [10:0-3-0,0-3-0]

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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 102 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 23-10-9.
(lb) - Max Horz 1=-131(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=386(LC 22), 8=330(LC 1), 9=393(LC 20), 12=330(LC 1), 11=394(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-9=-259/125, 3-11=-259/125

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 11-11-4, Exterior(2) 11-11-4 to 16-8-14, Interior(1) 16-8-14 to 23-4-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641801
PCK75	V08	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:24 2022 Page 1
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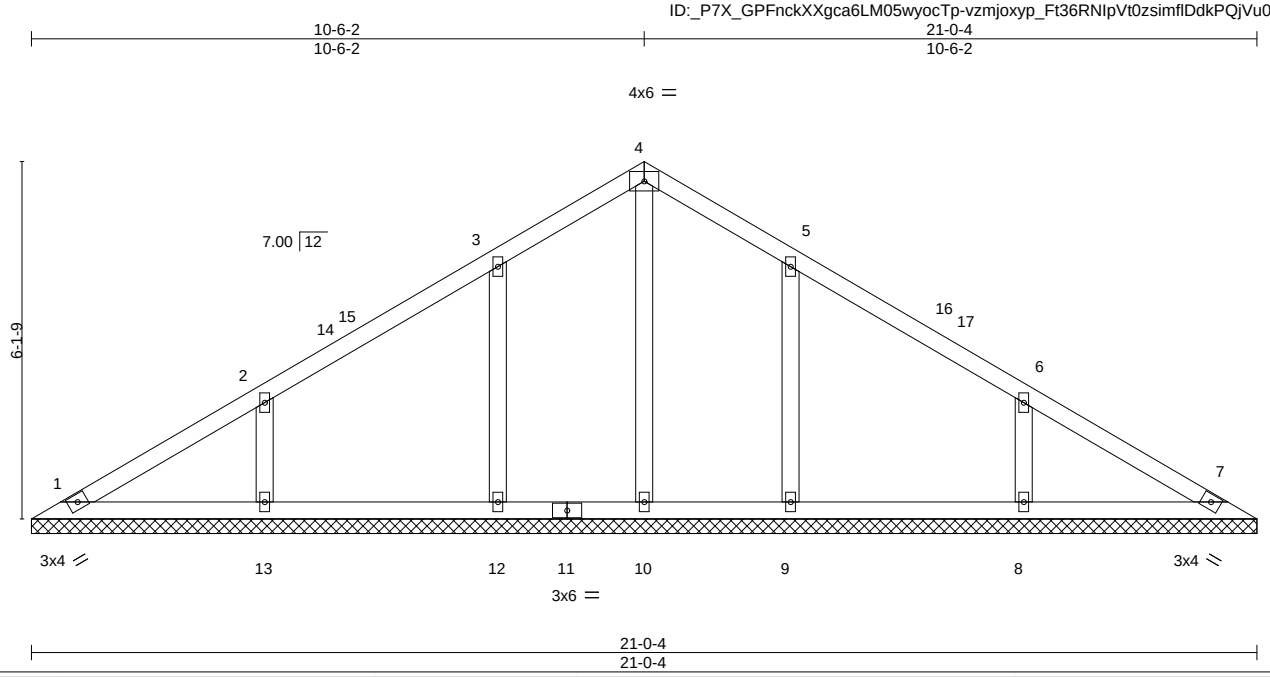

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 91 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 21-0-4.
(lb) - Max Horz 1=-115(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 9, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10 except 8=345(LC 20), 9=316(LC 20), 13=345(LC 19), 12=316(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-256/121, 2-13=-256/121

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 10-6-2, Exterior(2) 10-6-2 to 15-3-12, Interior(1) 15-3-12 to 20-5-12 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, 13, 12.

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641802
PCK75	V09	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:25 2022 Page 1
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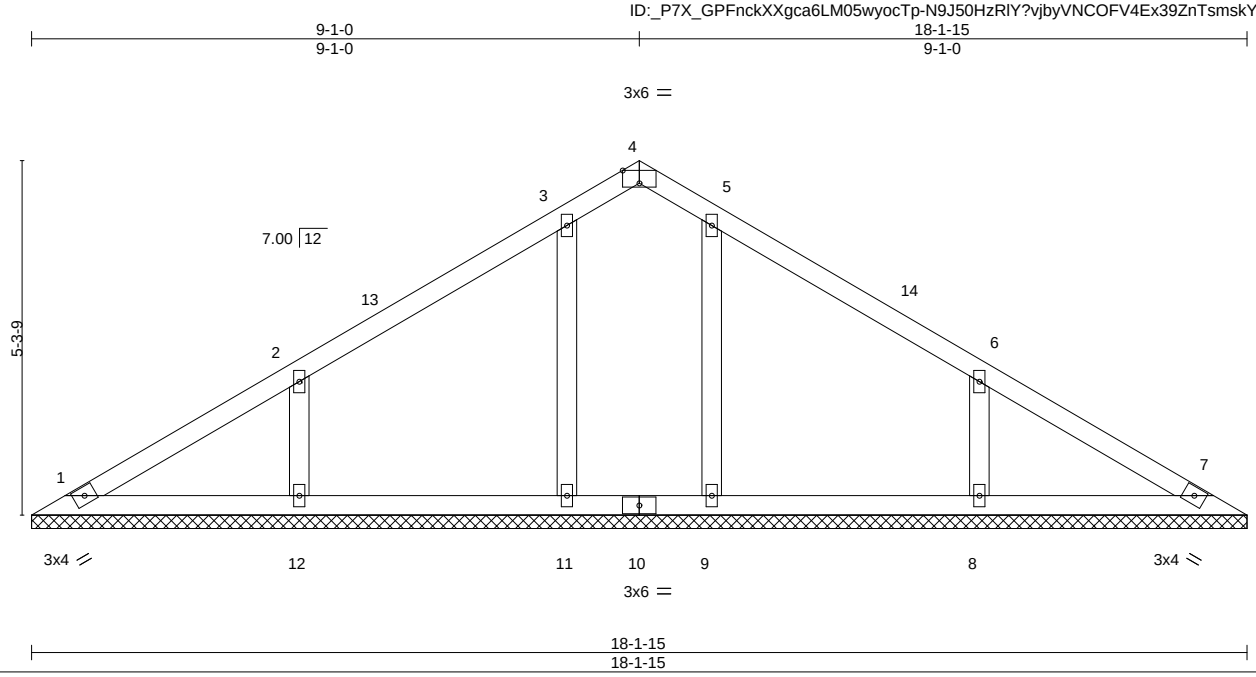

Plate Offsets (X,Y)-- [4:0-3-0,Edge]

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	0.35	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: 74 lb	FT = 20%

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

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

REACTIONS. All bearings 18-1-15.
(lb) - Max Horz 1=-98(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=352(LC 20), 9=250(LC 24), 12=351(LC 19), 11=256(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-8=-260/126, 2-12=-259/125

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 9-1-0, Exterior(2) 9-1-0 to 14-1-15, Interior(1) 14-1-15 to 17-7-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 9, 12, 11.

August 15,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641803
PCK75	V10	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:26 2022 Page 1
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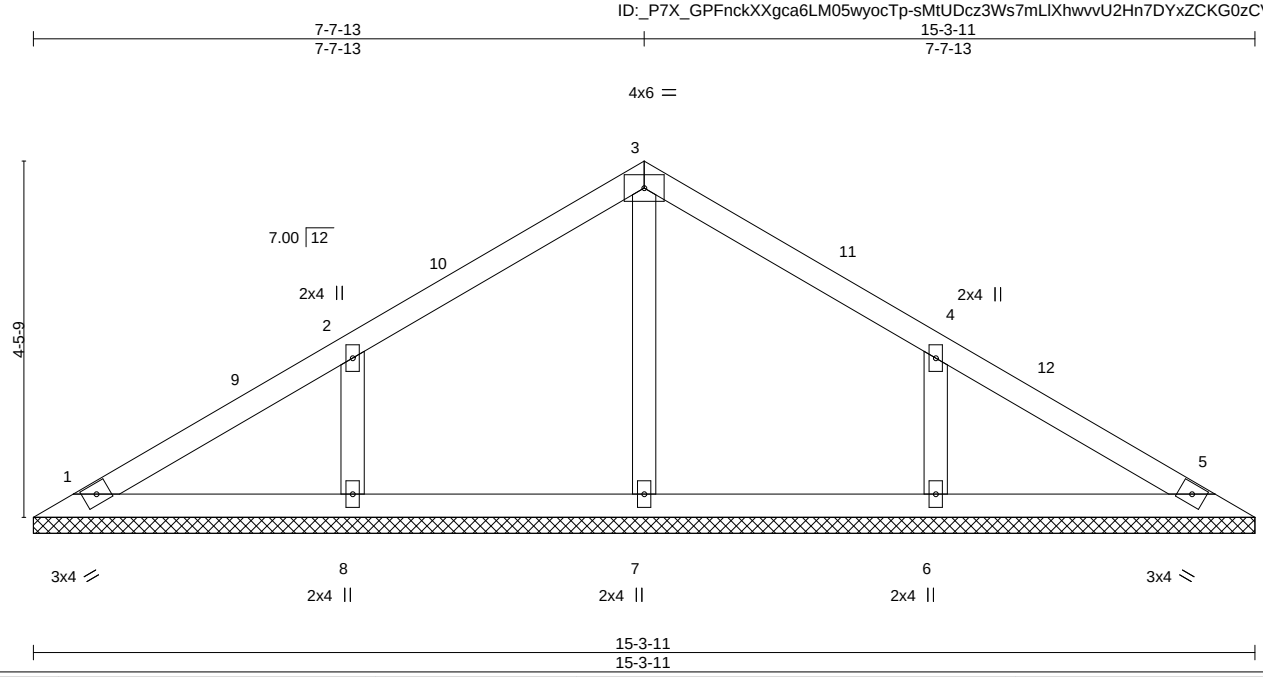

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 58 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 15-3-11.
(lb) - Max Horz 1=-82(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=341(LC 20), 8=341(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=-255/120, 2-8=-255/121

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 7-7-13, Exterior(2) 7-7-13 to 12-5-7, Interior(1) 12-5-7 to 14-9-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.

August 15,2022

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641804
PCK75	V11	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:27 2022 Page 1

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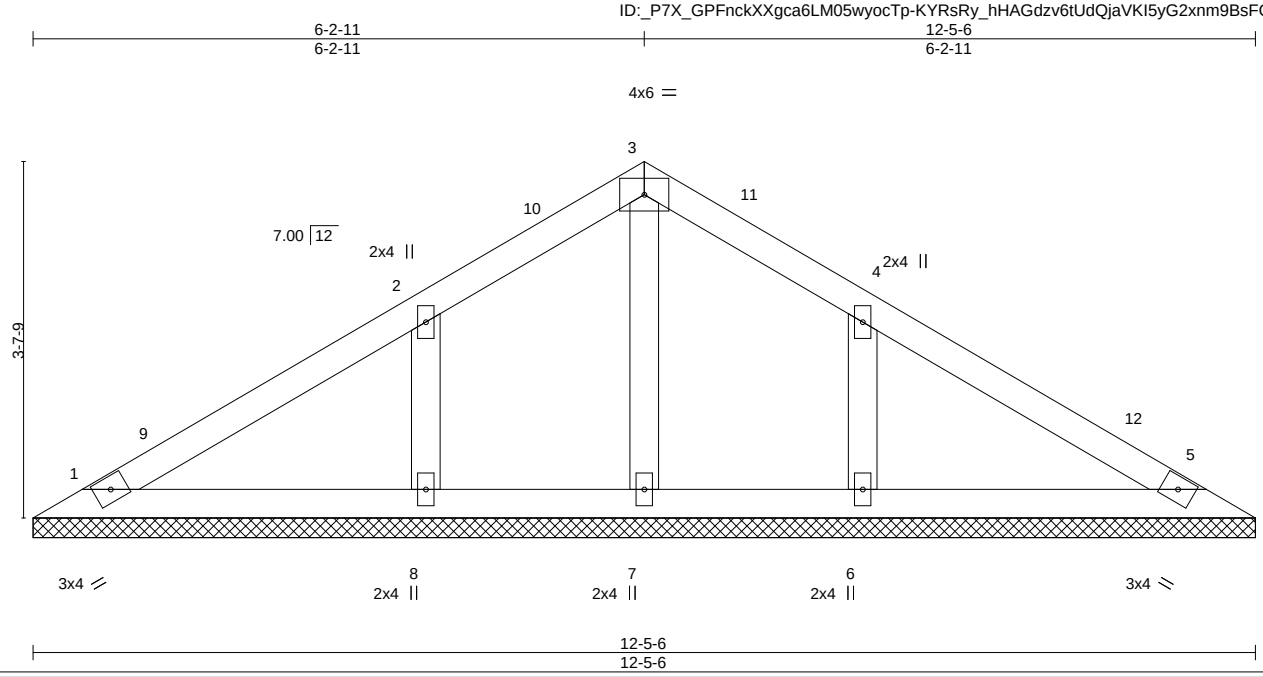

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 48 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 12-5-6.
(lb) - Max Horz 1=-65(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 6=298(LC 20), 8=298(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) 0-6-8 to 5-4-1, Interior(1) 5-4-1 to 6-2-11, Exterior(2) 6-2-11 to 11-0-5, Interior(1) 11-0-5 to 11-10-15 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) 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, 8.

August 15,2022

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641805
PCK75	V12	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:28 2022 Page 1
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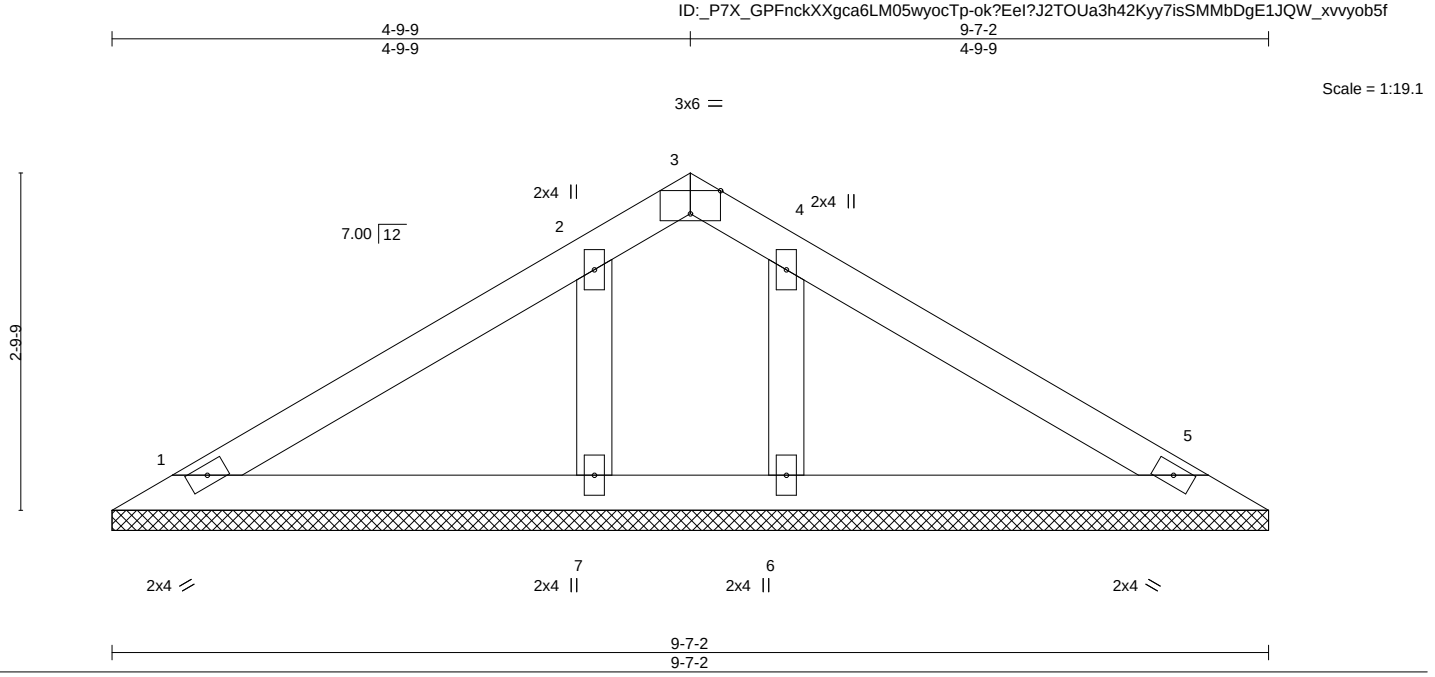


Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 34 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 9-7-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 9-7-2.
(lb) - Max Horz 1=-49(LC 10)
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=272(LC 24), 7=272(LC 23)

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

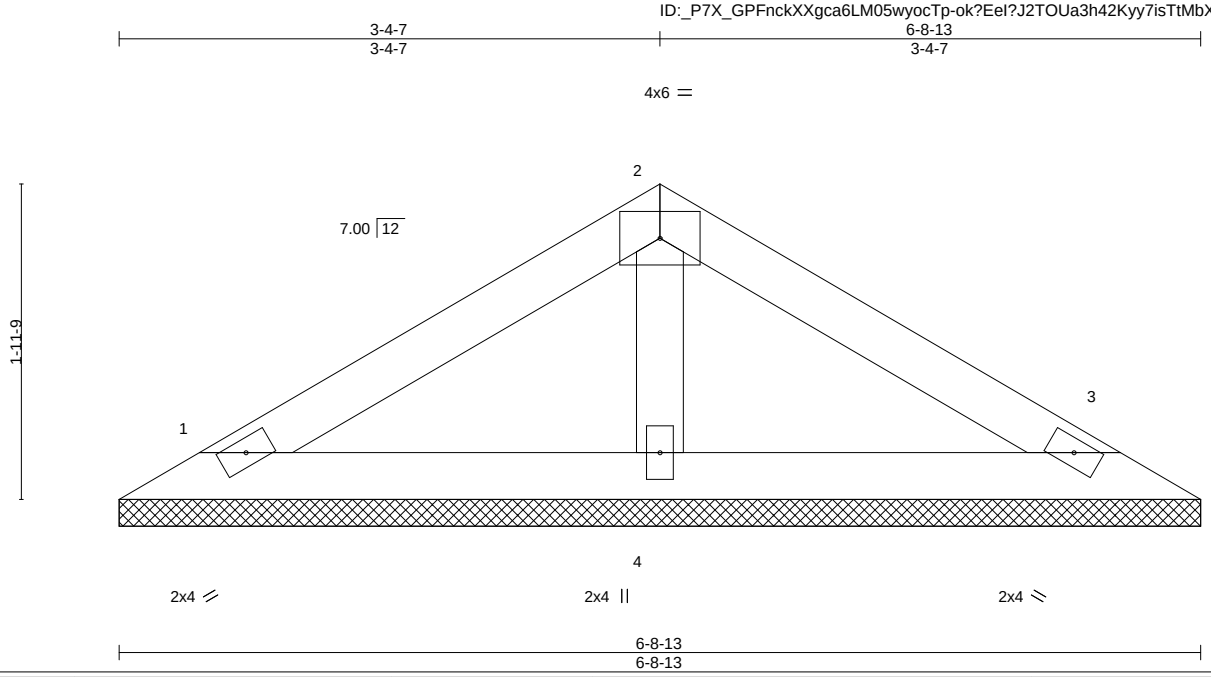
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=32ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right 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.

August 15,2022

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

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641806
PCK75	V13	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:28 2022 Page 1
ID:_P7X_GPFnckXXgca6LM05wyocTp-ok?EeI?J2TOUa3h42Kyy7isTtMbXgEFJQW_xvvyob5f



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 22 lb	FT = 20%

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

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

REACTIONS. (size) 1=6-8-13, 3=6-8-13, 4=6-8-13
Max Horz 1=-33(LC 8)
Max Uplift 1=-15(LC 12), 3=-19(LC 13)
Max Grav 1=117(LC 1), 3=117(LC 1), 4=218(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.

August 15,2022

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Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641807
PCK75	V14	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:29 2022 Page 1
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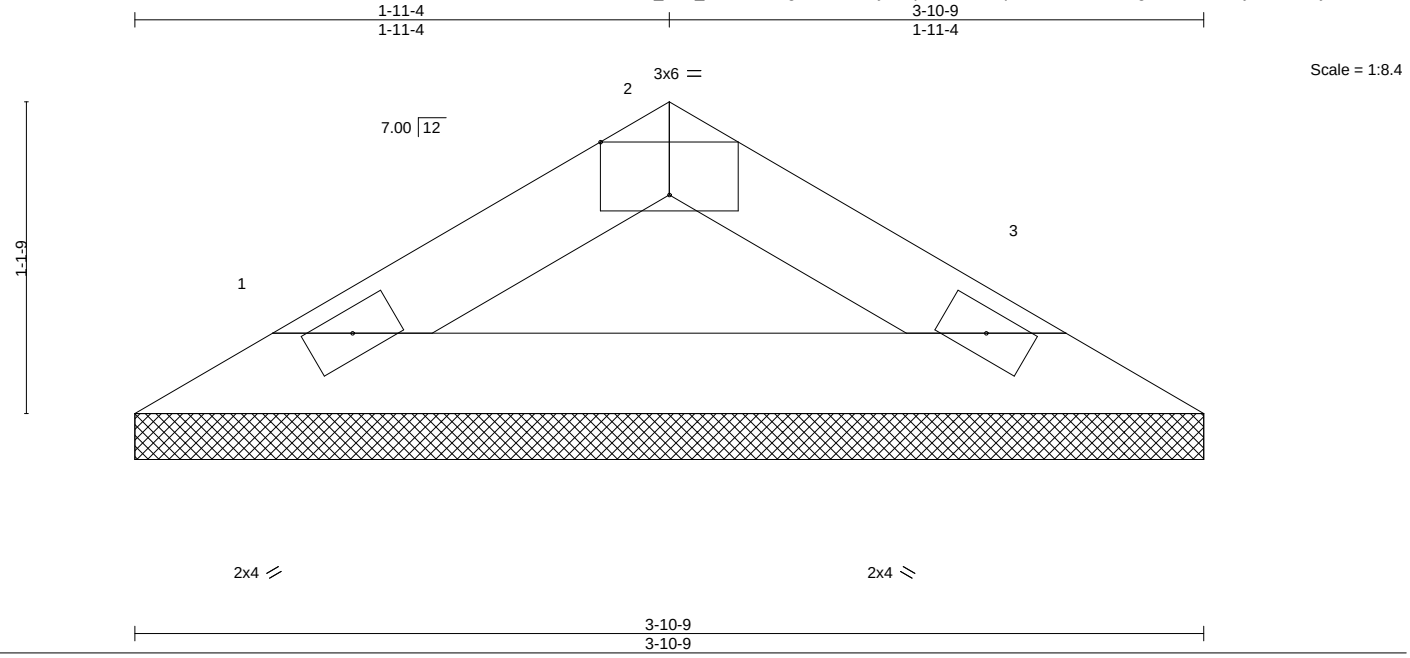

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-P							Weight: 11 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 3-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-10-9, 3=3-10-9
Max Horz 1=-16(LC 8)
Max Uplift 1=-3(LC 12), 3=-3(LC 13)
Max Grav 1=112(LC 1), 3=112(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.

August 15,2022

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641808
PCK75	V15	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:30 2022 Page 1
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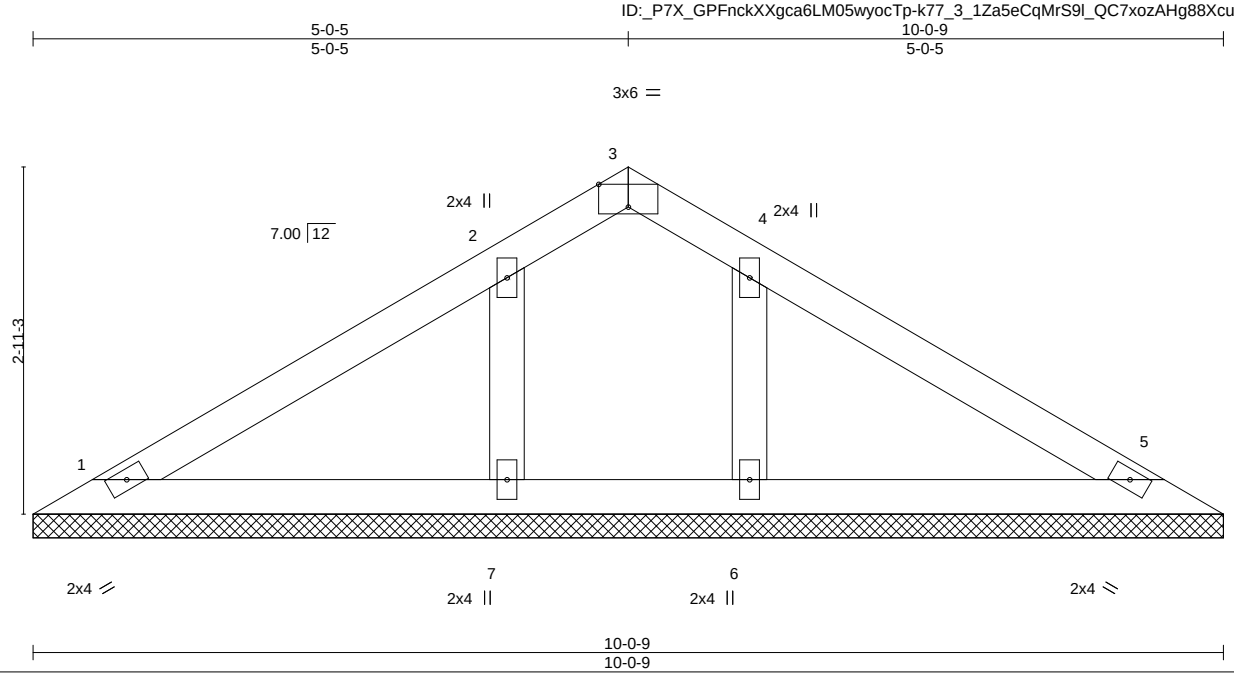

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	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 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 10-0-9.
(lb) - Max Horz 1=-52(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=276(LC 24), 7=279(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.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641809
PCK75	V16	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:30 2022 Page 1
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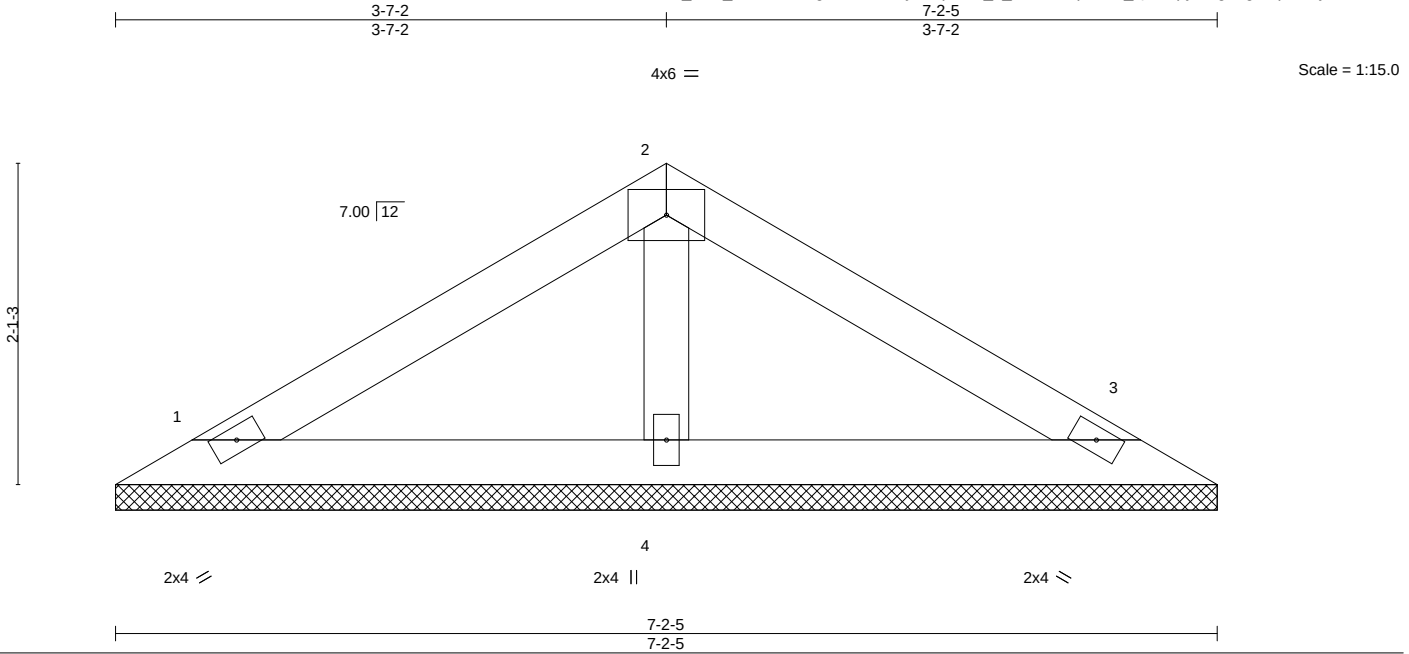

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 1=7-2-5, 3=7-2-5, 4=7-2-5
Max Horz 1=-35(LC 8)
Max Uplift 1=-11(LC 12), 3=-16(LC 13)
Max Grav 1=115(LC 23), 3=115(LC 24), 4=259(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.

August 15,2022

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	MATTAMYHOMES/ALLEGHENY; LOT 75 PROVIDENCE CREEK I53641810
PCK75	V17	VALLEY	1	1	Job Reference (optional)

Builders FirstSource (Apex, NC), Apex, NC - 27523, 8.530 s Dec 6 2021 MiTek Industries, Inc. Fri Aug 12 12:38:31 2022 Page 1
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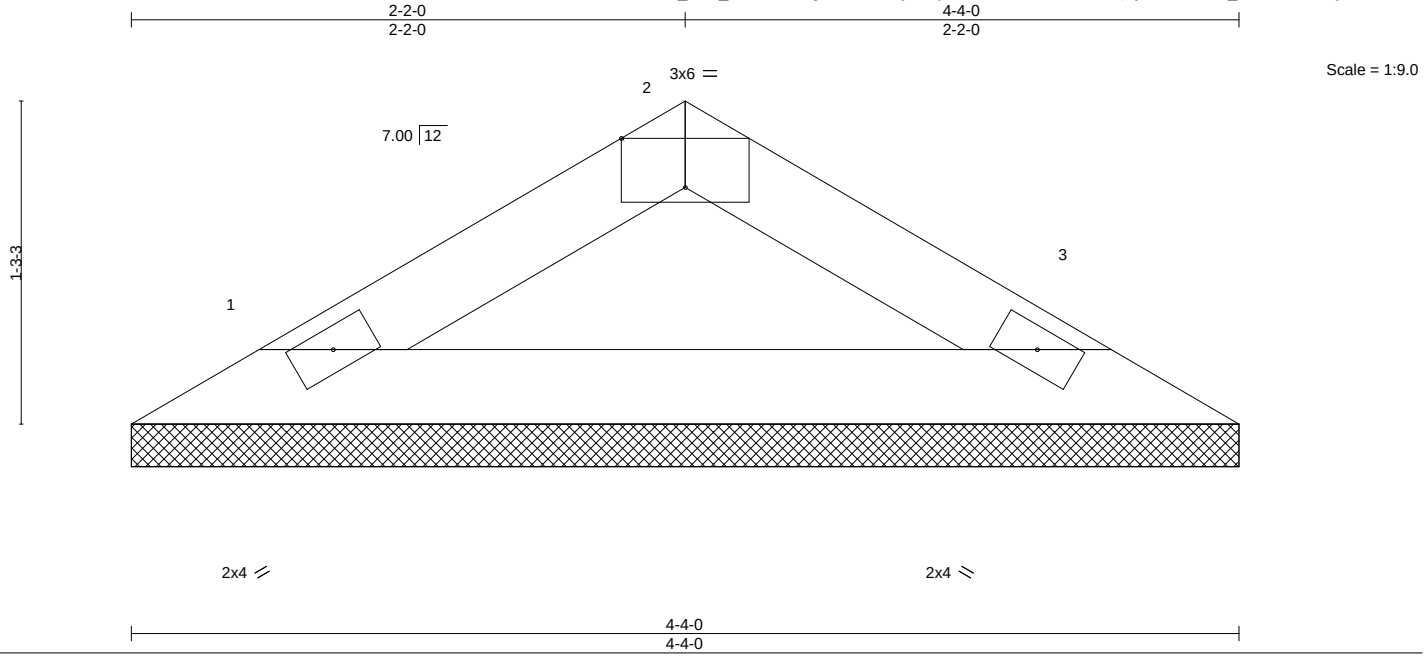

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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.

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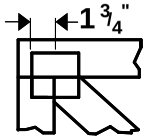
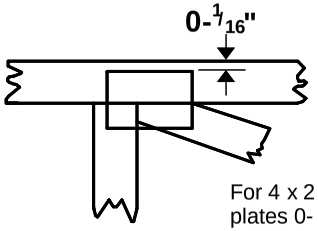
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

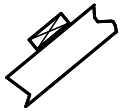
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

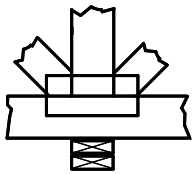
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

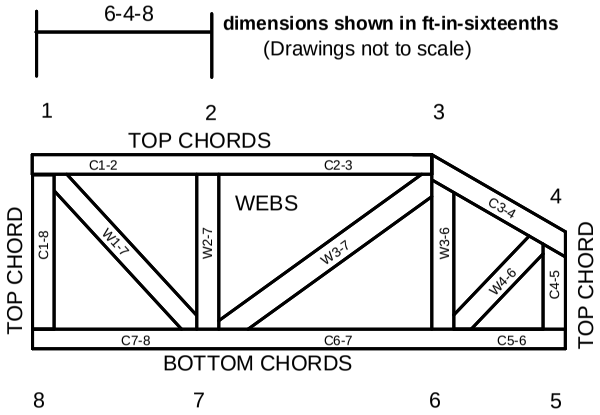


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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