ENGINEERING BY TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

RE: 2434719 - H&H/Jordan/

Site Information:
Project Customer: h and h Project Name: 2434719 ofa
Lot/Block: Subdivision:
Model:
Address:
City: State: nc

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

Design Code: IRC2015/TPI2014
Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 150 mph
Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-10
Roof Load: 40.0 psf
Floor Load: N/A psf

Mean Roof Height (feet): 25
Exposure Category: C

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I42605344	A01	8/27/20	35	I42605378	C05	8/27/20
2		A02	8/27/20	36	I42605379	C06	8/27/20
3	I42605346	A03	8/27/20	37	I42605380	C08	8/27/20
4	I42605347	A04	8/27/20	38		C09	8/27/20
5	I42605348		8/27/20	39	I42605382	C10	8/27/20
6	I42605349		8/27/20	40	I42605383	C11	8/27/20
7	I42605350	A05A	8/27/20	41	I42605384		8/27/20
8	I42605351	A06	8/27/20		I42605385	C13	8/27/20
9	I42605352	A07	8/27/20	43	I42605386	C14	8/27/20
10	I42605353	A07A	8/27/20	44	I42605387	C15	8/27/20
11		A08	8/27/20	45	I42605388	C16	8/27/20
12	I42605355	A08A	8/27/20	46	I42605389	C17	8/27/20
13	I42605356	A09	8/27/20	47		C18	8/27/20
14	I42605357	A10	8/27/20	48	I42605391	C19	8/27/20
	I42605358	A11	8/27/20	49	I42605392	D01	8/27/20
16	I42605359	A11A	8/27/20	50	I42605393		8/27/20
17	I42605360	A12	8/27/20		I42605394		8/27/20
18	I42605361	A12A	8/27/20	52	I42605395	D02A	8/27/20
19	I42605362	B01	8/27/20	53	I42605396	D03	8/27/20
20		B02	8/27/20	54	I42605397	D03A	8/27/20
21	I42605364	B03	8/27/20	55	I42605398	D04	8/27/20
22	I42605365		8/27/20	56	I42605399	D04A	8/27/20
23	I42605366	B05	8/27/20	57	I42605400	D05	8/27/20
	I42605367	B10	8/27/20	58	I42605401	D05A	8/27/20
25	I42605368	B11	8/27/20	59	I42605402	D06	8/27/20
26	I42605369	B12	8/27/20		I42605403	D06A	8/27/20
27	I42605370		8/27/20	61	I42605404	D07	8/27/20
28	I42605371	B14	8/27/20	62	I42605405	D07A	8/27/20
29		B15	8/27/20	63	I42605406		8/27/20
30	I42605373	B16	8/27/20	64	I42605407	E02	8/27/20
31	I42605374	C01	8/27/20	65		E03	8/27/20
32	I42605375	C02	8/27/20	66	I42605409	J01	8/27/20
	I42605376		8/27/20	67	I42605410	J02	8/27/20
34	I42605377	C04	8/27/20	68	I42605411	J03	8/27/20

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-Sumter,SC.

Truss Design Engineer's Name: Sevier, Scott
My license renewal date for the state of North Carolina is December 31, 2020.

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

August 27,2020
Sevier, Scott

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RE: 2434719 - H&H/Jordan/

Trenco
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Edenton, NC 27932

No.	Seal#	Job ID#	Truss Name	Date
69	I42605412	2434719	J04	8/27/20
70	I42605413	2434719	J05	8/27/20
71	I42605414	2434719	J06	8/27/20
72	I42605415	2434719	J07	8/27/20
73	I42605416	2434719	J08	8/27/20
74		2434719	J09	8/27/20
75	I42605418	2434719	J10	8/27/20
76	I42605419	2434719	J11	8/27/20
77	I42605420	2434719	J12	8/27/20
78	I42605421	2434719	J13	8/27/20
79	I42605422	2434719	J14	8/27/20
80	I42605423	2434719	J15	8/27/20
81	I42605424	2434719	J16	8/27/20
82	I42605425	2434719	J17	8/27/20
83		2434719	J18	8/27/20
84	I42605427	2434719	J19	8/27/20
85	I42605428	2434719	J20	8/27/20
86	I42605429	2434719	J21	8/27/20
87	I42605430	2434719	J22	8/27/20
88	I42605431	2434719	J23	8/27/20
89	I42605432	2434719	J24	8/27/20

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A01	GABLE	9	1	I42605344
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:06 2020 Page 1
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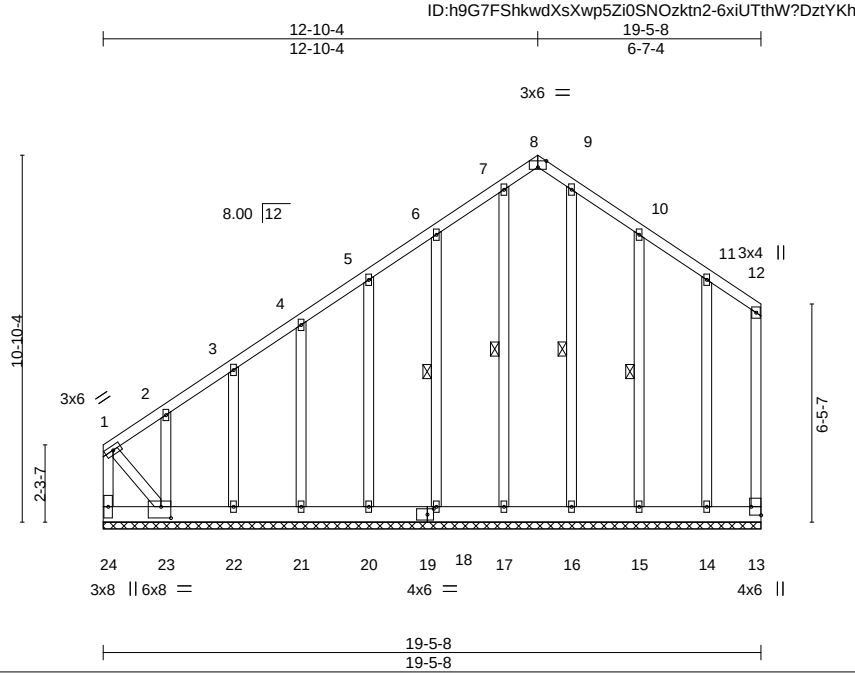

Plate Offsets (X,Y)-- [8:0-3-0,Edge], [13:Edge,0-3-8], [19:0-2-3,0-2-0], [23:0-3-8,0-4-0]

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	0.78	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	0.23	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 186 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 9-9-9 oc bracing.
WEBS	1 Row at midpt 7-17, 6-18, 9-16, 10-15

REACTIONS. All bearings 19-5-8.
(lb) - Max Horz 24=602(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 13, 16 except 24=-632(LC 10), 17=-165(LC 11), 18=-199(LC 12), 20=-146(LC 12), 21=-153(LC 12), 22=-154(LC 12), 23=-617(LC 9), 15=-201(LC 13), 14=-124(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 13, 18, 20, 21, 22, 16, 15, 14 except 24=820(LC 9), 17=273(LC 8), 23=609(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-507/416, 2-3=-466/380, 3-4=-435/371, 4-5=-405/364, 5-6=-371/365, 6-7=-431/511, 7-8=-341/398, 8-9=-340/397, 9-10=-432/512, 10-11=-303/359, 11-12=-261/312, 1-24=-796/645, 12-13=-228/255
BOT CHORD 23-24=-575/557
WEBS 6-18=-261/243, 10-15=-272/254, 1-23=-628/710

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 12-10-4, Corner(3) 12-10-4 to 15-10-4, Exterior(2) 15-10-4 to 19-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 13, 16 except (jt=lb) 24=632, 17=165, 18=199, 20=146, 21=153, 22=154, 23=617, 15=201, 14=124.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A02	Common	85	1	I42605345
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:07 2020 Page 1
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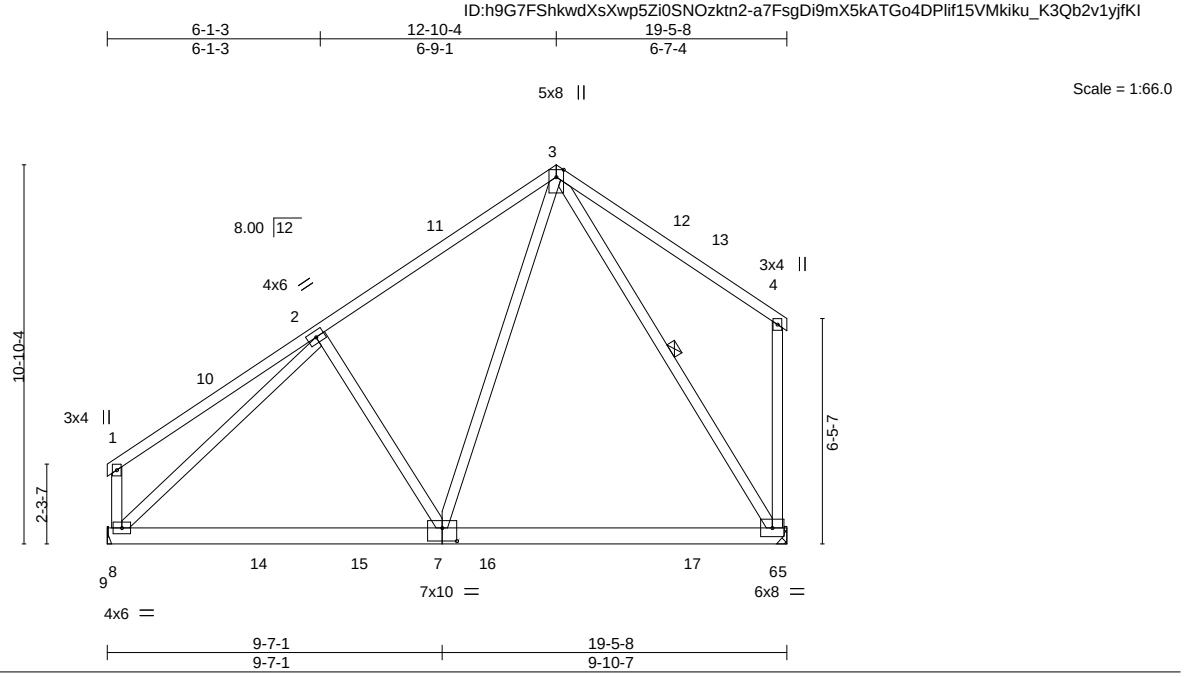

Plate Offsets (X,Y)-- [7:0-5-0,0-4-8]

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	0.52	Vert(LL)	-0.11	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.17	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	7	>999	240	Weight: 147 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-6

REACTIONS. (size) 8=Mechanical, 6=Mechanical
Max Horz 8=416(LC 12)
Max Uplift 8=-275(LC 12), 6=-387(LC 12)
Max Grav 8=842(LC 19), 6=899(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-255/194, 2-3=-825/396, 1-8=-304/226, 4-6=-311/281
BOT CHORD 7-8=-545/793, 6-7=-195/421
WEBS 2-7=-434/497, 3-7=-294/694, 2-8=-723/173, 3-6=-772/362

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 12-10-4, Exterior(2) 12-10-4 to 15-10-4, Interior(1) 15-10-4 to 19-2-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=275, 6=387.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A03	Common	45	1	I42605346
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:08 2020 Page 1
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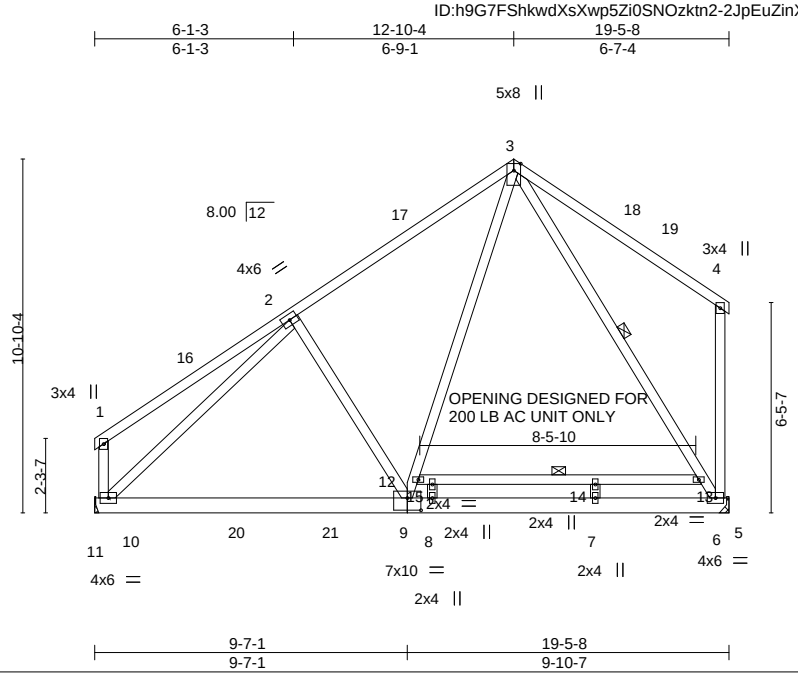

Plate Offsets (X,Y)-- [9:0-5-0,0-4-8]

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	0.54	Vert(LL)	-0.06	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.17	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.03	9	>999	240	Weight: 161 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
12-13: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 12-13, 3-6

REACTIONS. (size) 10=Mechanical, 6=Mechanical
Max Horz 10=416(LC 12)
Max Uplift 10=-208(LC 12), 6=-254(LC 12)
Max Grav 10=859(LC 19), 6=906(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-928/293, 1-10=-299/231, 4-6=-316/277
BOT CHORD 9-10=-472/844, 8-9=-149/457, 7-8=-149/457, 6-7=-149/457
WEBS 2-9=-409/522, 9-12=-163/746, 3-12=-161/734, 2-10=-776/57, 3-13=-789/285, 6-13=-825/269

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 12-10-4, Exterior(2) 12-10-4 to 15-10-4, Interior(1) 15-10-4 to 19-2-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 12-10-4 from left end, supported at two points, 5-0-0 apart.
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) except (jt=lb) 10=208, 6=254.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A04	Common	10	1	I42605347
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:09 2020 Page 1
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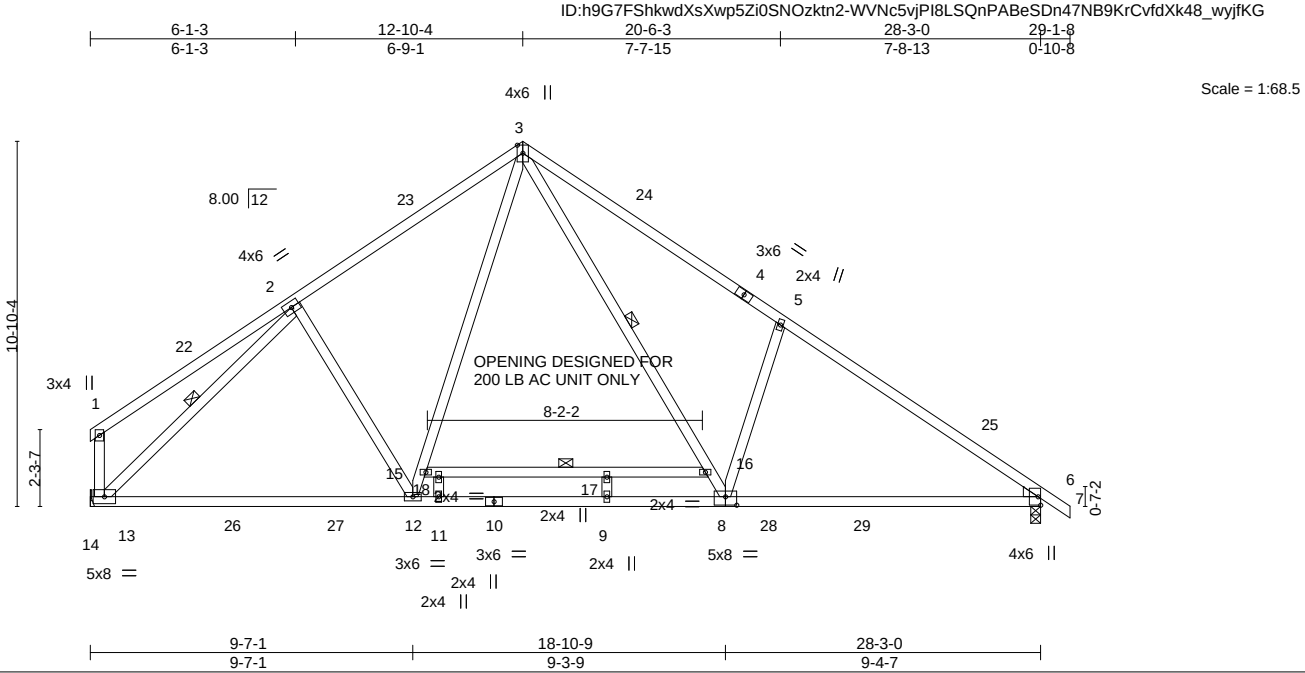


Plate Offsets (X,Y)-- [6:0-0-10,0-4-6], [6:0-0-5,0-0-7], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.18	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.31	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.16	8-21	>999	240	Weight: 176 lb	FT = 20%

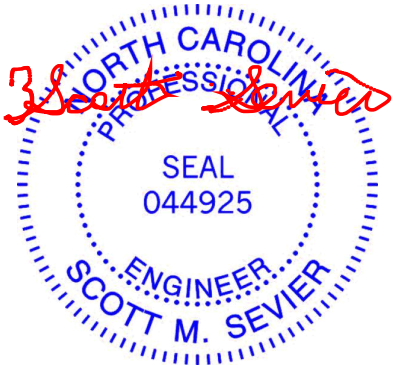
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
15-16: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-8, 2-13, 15-16

REACTIONS. (size) 13=Mechanical, 6=0-3-8
Max Horz 13=-464(LC 8)
Max Uplift 13=-341(LC 12), 6=-440(LC 13)
Max Grav 13=1245(LC 19), 6=1308(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-273/179, 2-3=-1616/512, 3-5=-2071/743, 5-6=-1952/508, 1-13=-317/218
BOT CHORD 12-13=-348/1264, 11-12=-49/1014, 9-11=-49/1014, 8-9=-49/1014, 6-8=-230/1490
WEBS 2-12=-249/475, 12-15=-190/597, 3-15=-154/578, 3-16=-529/1100, 8-16=-561/1037, 5-8=-706/652, 2-13=-1430/307

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 12-10-4, Exterior(2) 12-10-4 to 15-10-4, Interior(1) 15-10-4 to 29-1-8 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 12-10-4 from left end, supported at two points, 5-0-0 apart.
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) except (jt=lb) 13=341, 6=440.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A04A	COMMON	7	1	I42605348
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:10 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-?ix_IFk13STJ1x_NlLzSJIfXxZg7xMvmlOqiWMyjfKF

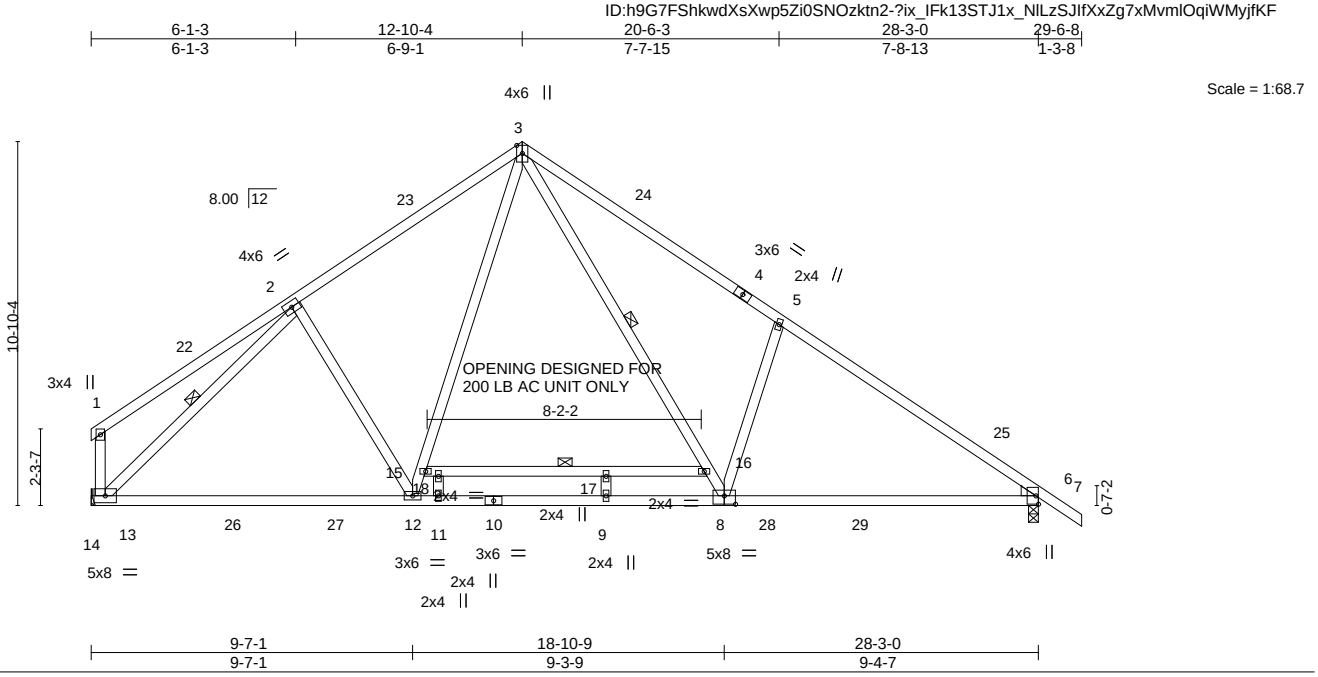

Plate Offsets (X,Y)-- [6:0-0-10,0-4-6], [6:0-0-5,0-0-7], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.18	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.32	9-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.15	8-21	>999	240	Weight: 176 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
15-16: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-8, 2-13, 15-16

REACTIONS. (size) 13=Mechanical, 6=0-3-8
Max Horz 13=-472(LC 8)
Max Uplift 13=-341(LC 12), 6=-461(LC 13)
Max Grav 13=1244(LC 19), 6=1334(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-273/179, 2-3=-1617/511, 3-5=-2074/738, 5-6=-1954/503, 1-13=-317/218
BOT CHORD 12-13=-339/1269, 11-12=-40/1020, 9-11=-40/1020, 8-9=-40/1020, 6-8=-214/1506
WEBS 2-12=-249/475, 12-15=-190/598, 3-15=-155/578, 3-16=-523/1103, 8-16=-555/1041, 5-8=-707/649, 2-13=-1431/306

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 12-10-4, Exterior(2) 12-10-4 to 15-10-4, Interior(1) 15-10-4 to 29-6-8 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 12-10-4 from left end, supported at two points, 5-0-0 apart.
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) except (jt=lb) 13=341, 6=461.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A05	ROOF SPECIAL	20	1	I42605349
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:11 2020 Page 1
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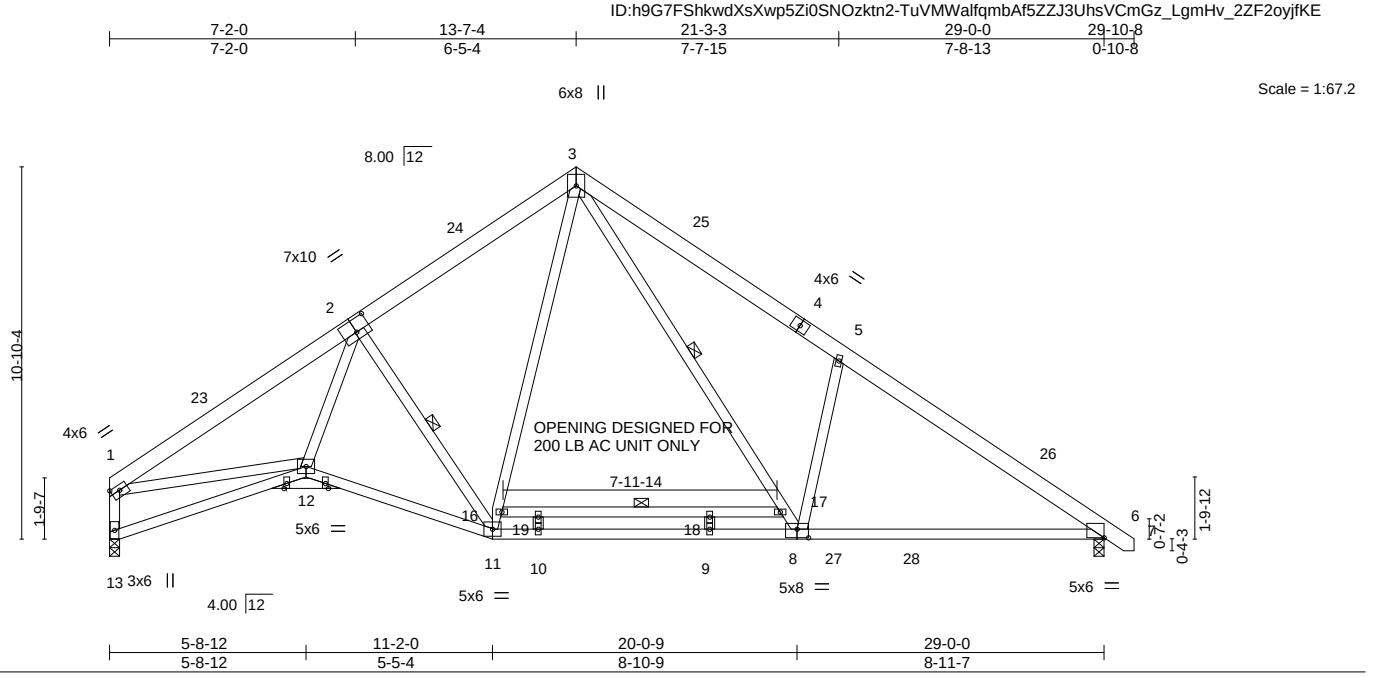

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-5-0,0-4-8], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-1-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	-0.11	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.39	9-10	>880	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.11	8-22	>999	240	Weight: 213 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
16-17: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-13 oc bracing.
WEBS 1 Row at midpt 2-11, 3-8, 16-17

REACTIONS. (size) 13=0-3-8, 6=0-3-8
Max Horz 13=-483(LC 8)
Max Uplift 13=-400(LC 12), 6=-457(LC 13)
Max Grav 13=1299(LC 1), 6=1363(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2479/699, 2-3=-1762/591, 3-5=-2350/837, 5-6=-2165/536, 1-13=-1480/526
BOT CHORD 12-13=-462/578, 11-12=-597/1925, 10-11=-76/1093, 9-10=-76/1093, 8-9=-76/1093, 6-8=-260/1667
WEBS 2-12=-252/1002, 2-11=-1137/750, 11-16=-296/597, 3-16=-236/690, 3-17=-584/1249, 8-17=-615/1164, 5-8=-780/718, 1-12=-354/1784

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 29-8-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 15-0-0 from left end, supported at two points, 5-0-0 apart.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=400, 6=457.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A05A	ROOF SPECIAL	14	1	I42605350
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:13 2020 Page 1
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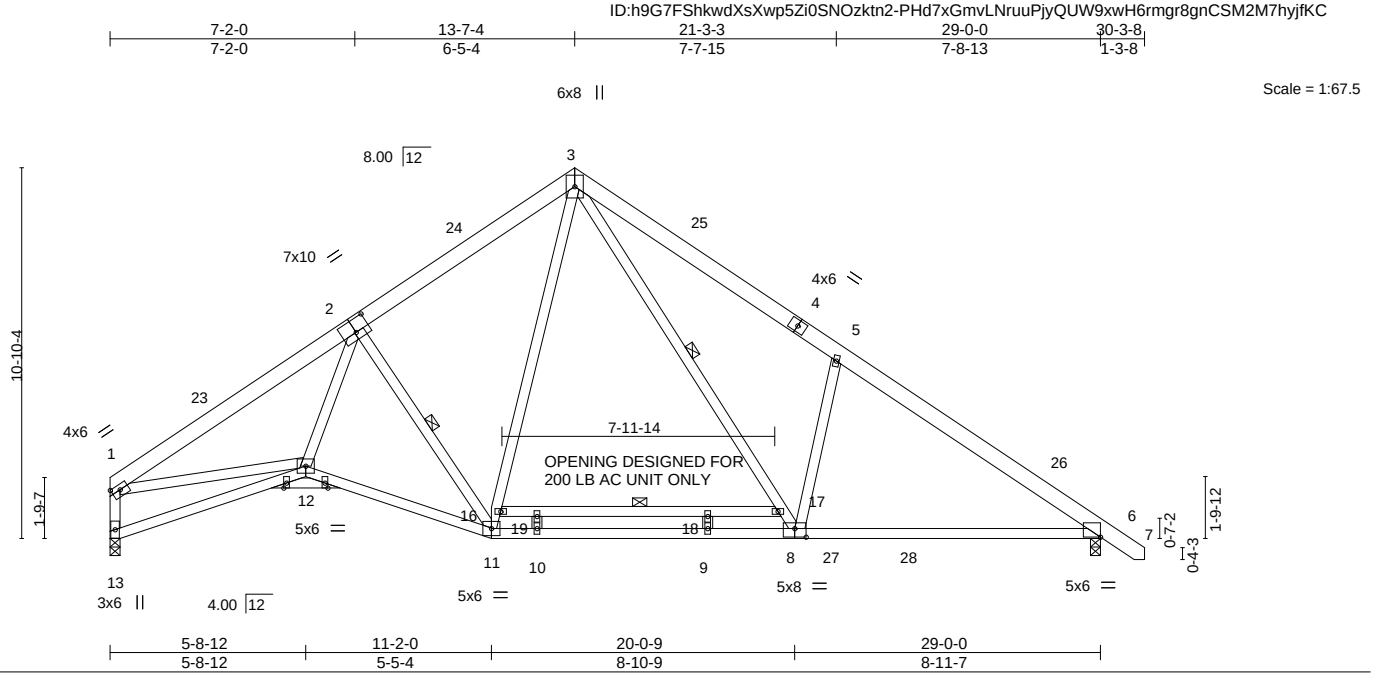

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-5-0,0-4-8], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-1-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.11	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.98	Vert(CT)	-0.39	9-10	>880	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.09	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.11	8-22	>999	240	Weight: 214 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
16-17: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-12 oc bracing.
WEBS 1 Row at midpt 2-11, 3-8, 16-17

REACTIONS. (size) 13=0-3-8, 6=0-3-8
Max Horz 13=-492(LC 8)
Max Uplift 13=-400(LC 12), 6=-478(LC 13)
Max Grav 13=1298(LC 1), 6=1391(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2489/692, 2-3=-1763/590, 3-5=-2353/832, 5-6=-2159/532, 1-13=-1485/522
BOT CHORD 12-13=-466/586, 11-12=-585/1933, 10-11=-67/1099, 9-10=-67/1099, 8-9=-67/1099, 6-8=-243/1682
WEBS 2-12=-245/1007, 2-11=-1144/745, 11-16=-297/597, 3-16=-236/690, 3-17=-578/1252, 8-17=-610/1167, 5-8=-782/714, 1-12=-349/1792

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 30-1-11 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 200.0lb AC unit load placed on the bottom chord, 15-0-0 from left end, supported at two points, 5-0-0 apart.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=400, 6=478.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A06	Roof Special	51	1	I42605351
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:16 2020 Page 1
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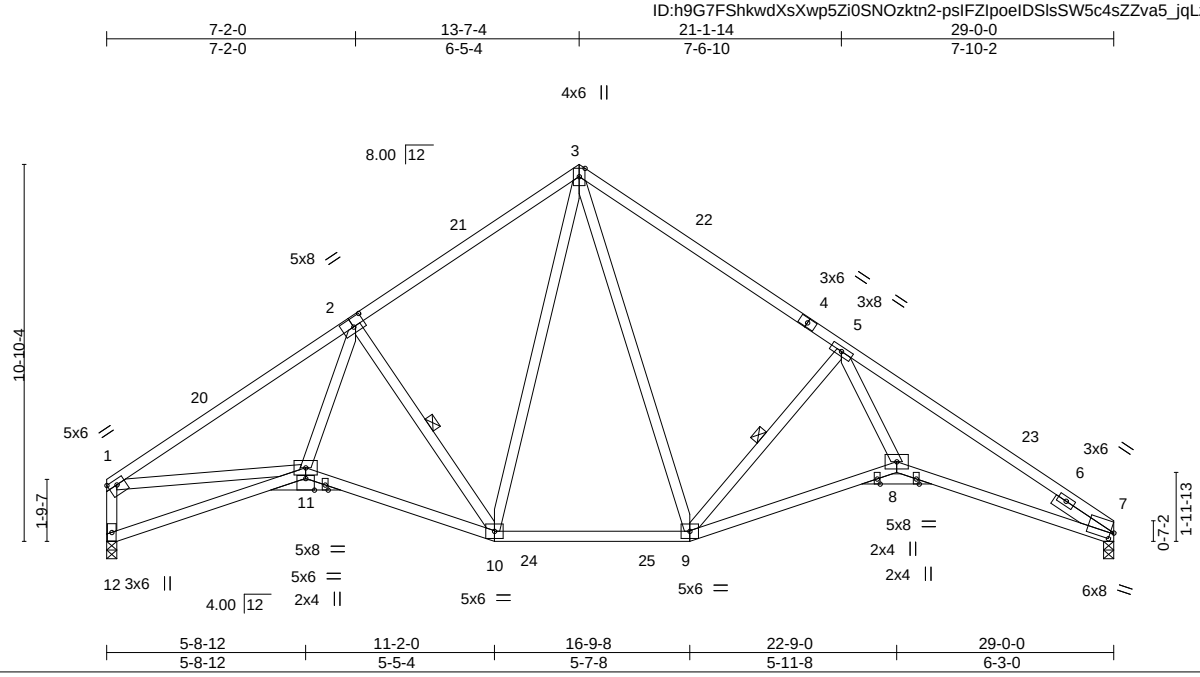

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-4-0,0-3-0], [7:0-1-3,0-2-7], [11:0-3-0,Edge]

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	0.72	Vert(LL)	-0.14	8-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.32	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.20	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.17	8-9	>999	240	Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-10, 5-9

REACTIONS. (size) 12=0-3-8, 7=0-3-8
Max Horz 12=-450(LC 8)
Max Uplift 12=-477(LC 12), 7=-501(LC 13)
Max Grav 12=1154(LC 1), 7=1160(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2141/849, 2-3=-1531/709, 3-5=-1629/733, 5-7=-3261/1090, 1-12=-1335/613
BOT CHORD 11-12=-478/571, 10-11=-723/1734, 9-10=-191/935, 8-9=-592/1941, 7-8=-775/2674
WEBS 2-11=-292/893, 2-10=-1044/737, 3-10=-331/522, 3-9=-406/732, 5-9=-1512/816, 5-8=-415/1691, 1-11=-434/1460

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 29-0-0 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 12, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=477, 7=501.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A07	ROOF SPECIAL	28	1	I42605352
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:18 2020 Page 1
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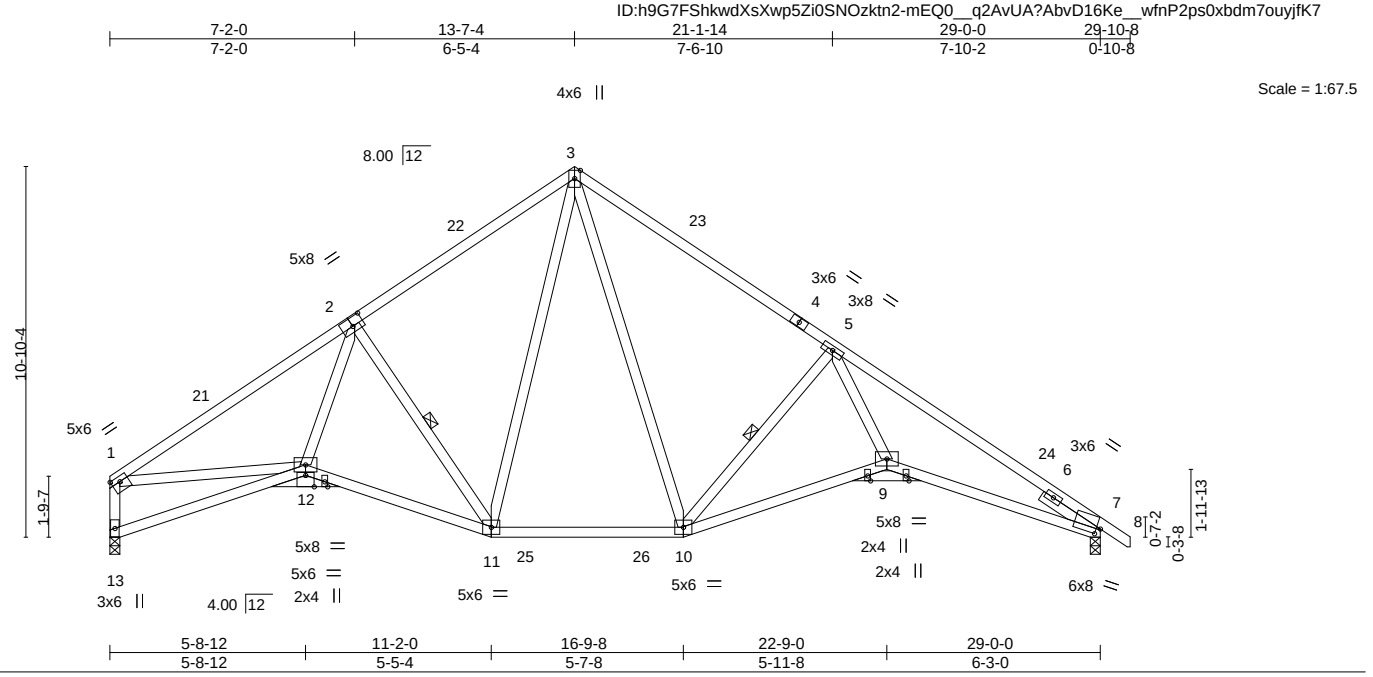

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-4-0,0-3-0], [7:0-1-7,0-2-3], [12:0-3-0,Edge]

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	0.72	Vert(LL)	-0.14	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.32	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.20	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.17	9-10	>999	240	Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-11, 5-10

REACTIONS. (size) 13=0-3-8, 7=0-3-8
Max Horz 13=-466(LC 8)
Max Uplift 13=-477(LC 12), 7=-541(LC 13)
Max Grav 13=1153(LC 1), 7=1212(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2157/838, 2-3=-1531/708, 3-5=-1629/726, 5-7=-3287/1034, 1-13=-1344/607
BOT CHORD 12-13=-468/588, 11-12=-701/1750, 10-11=-175/947, 9-10=-555/1978, 7-9=-720/2723
WEBS 2-12=-279/903, 2-11=-1050/728, 3-11=-331/522, 3-10=-404/733, 5-10=-1528/794, 5-9=-375/1720, 1-12=-425/1473

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 29-10-0 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 13, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=477, 7=541.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A07A	ROOF SPECIAL	17	1	I42605353
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:20 2020 Page 1
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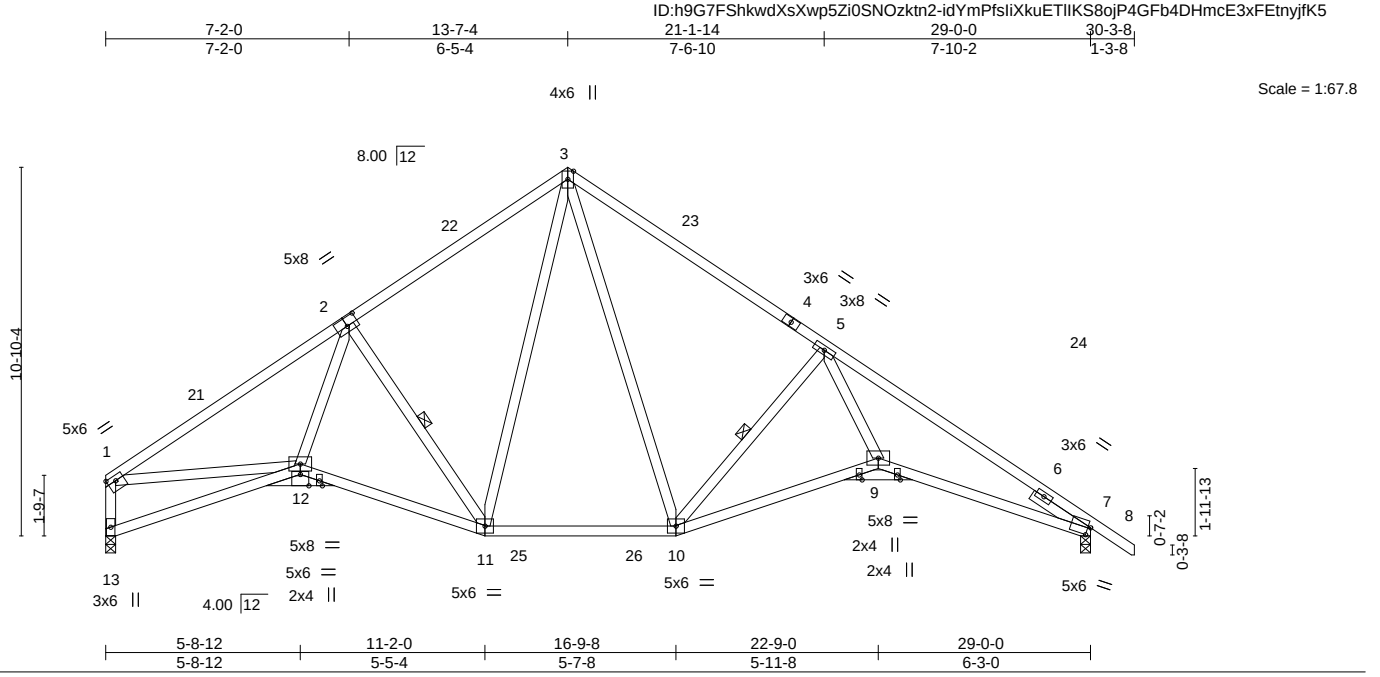

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-4-0,0-3-0], [7:0-0-15,0-2-14], [12:0-3-0,Edge]

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	0.71	Vert(LL)	-0.14	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.32	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.20	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.17	9-10	>999	240	Weight: 183 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-11, 5-10

REACTIONS. (size) 13=0-3-8, 7=0-3-8
Max Horz 13=-474(LC 8)
Max Uplift 13=-476(LC 12), 7=-562(LC 13)
Max Grav 13=1153(LC 1), 7=1238(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2166/832, 2-3=-1532/707, 3-5=-1631/720, 5-7=-3306/1015, 1-13=-1348/604
BOT CHORD 12-13=-463/596, 11-12=-689/1758, 10-11=-166/953, 9-10=-533/1999, 7-9=-689/2753
WEBS 2-12=-272/907, 2-11=-1053/724, 3-11=-331/522, 3-10=-402/734, 5-10=-1538/779, 5-9=-355/1739, 1-12=-420/1481

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 30-3-0 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 13, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=476, 7=562.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A08	GABLE	8	1	I42605354
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:23 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-6CDv1huB?S6T5xUt0aiVL1iucoHcUHRglvTuT6yjfK2

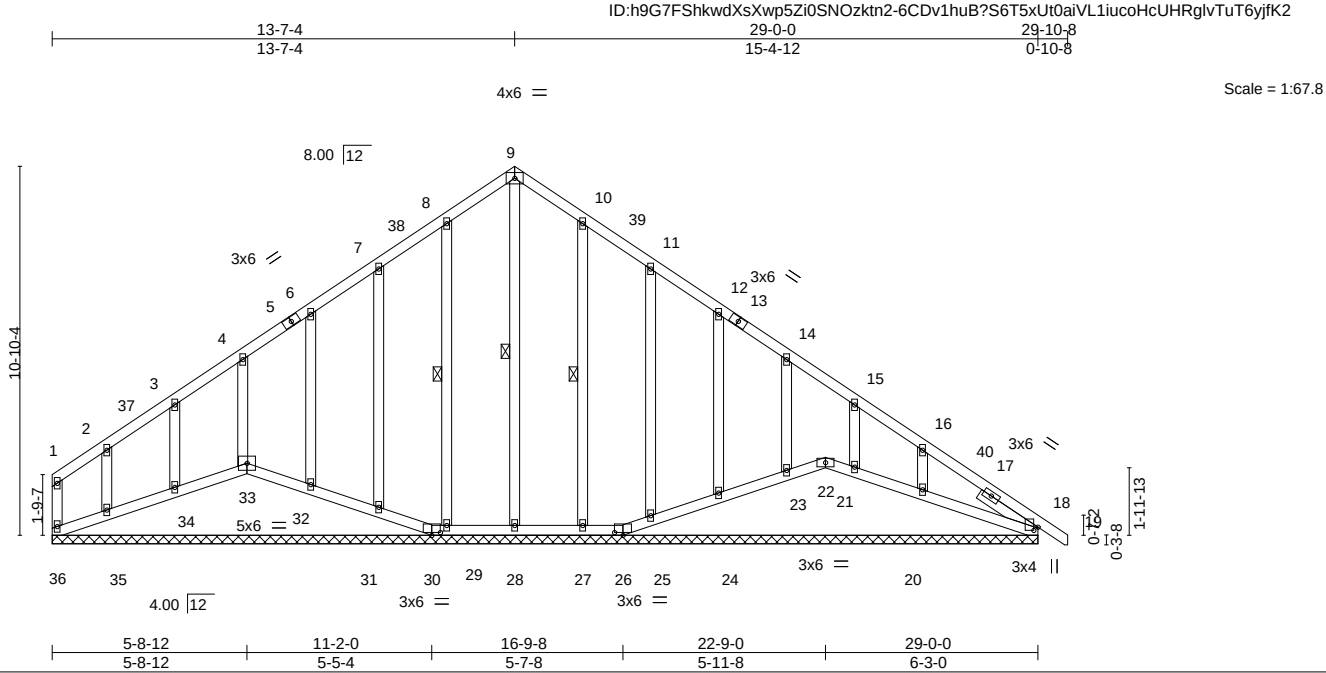

Plate Offsets (X,Y)-- [18:0-1-3,0-1-8], [26:0-3-0,0-1-0], [30:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	0.00	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	0.00	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 205 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
SLIDER	Right 2x4 SP No.3 2-0-0

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 9-28, 8-29, 10-27

REACTIONS. All bearings 29-0-0.
(lb) - Max Horz 36=-514(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 36=-248(LC 8), 30=-135(LC 8), 26=-136(LC 8), 22=-226(LC 11), 18=-127(LC 12), 28=-132(LC 10), 29=-130(LC 12), 31=-170(LC 12), 32=-142(LC 12), 33=-304(LC 9), 34=-126(LC 12), 35=-268(LC 12), 27=-140(LC 13), 25=-165(LC 13), 24=-147(LC 13), 23=-165(LC 13), 21=-101(LC 13), 20=-304(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 30, 26, 18, 29, 31, 32, 34, 27, 25, 24, 23, 21 except 36=284(LC 11), 22=281(LC 8), 28=549(LC 12), 33=417(LC 10), 35=275(LC 10), 20=362(LC 20)

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

TOP CHORD	4-6=-290/284, 6-7=-374/368, 7-8=-469/471, 8-9=-542/568, 9-10=-542/588, 10-11=-469/542, 11-12=-374/472, 12-14=-331/411, 14-15=-362/389, 15-16=-383/381, 16-18=-471/450
BOT CHORD	35-36=-417/465, 34-35=-397/447, 33-34=-404/450, 32-33=-401/447, 31-32=-401/448, 30-31=-398/448, 29-30=-374/421, 28-29=-374/421, 27-28=-374/421, 26-27=-374/421, 25-26=-396/447, 24-25=-401/448, 23-24=-401/447, 22-23=-399/444, 21-22=-395/443, 20-21=-406/448, 18-20=-399/447
WEBS	9-28=-524/422, 16-20=-330/321

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 29-10-0 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) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER
August 27,2020

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NOTES- (11)

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 36, 135 lb uplift at joint 30, 136 lb uplift at joint 26, 226 lb uplift at joint 22, 127 lb uplift at joint 18, 132 lb uplift at joint 28, 130 lb uplift at joint 29, 170 lb uplift at joint 31, 142 lb uplift at joint 32, 304 lb uplift at joint 33, 126 lb uplift at joint 34, 268 lb uplift at joint 35, 140 lb uplift at joint 27, 165 lb uplift at joint 25, 147 lb uplift at joint 24, 165 lb uplift at joint 23, 101 lb uplift at joint 21 and 304 lb uplift at joint 20.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 22, 31, 32, 33, 34, 35, 25, 24, 23, 21, 20.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A08A	GABLE	3	1	I42605355
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:25 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-2aLfSNvRX3MBKFeF7?kzQSnFHcz2yBxzCDy?Y_yjfK0

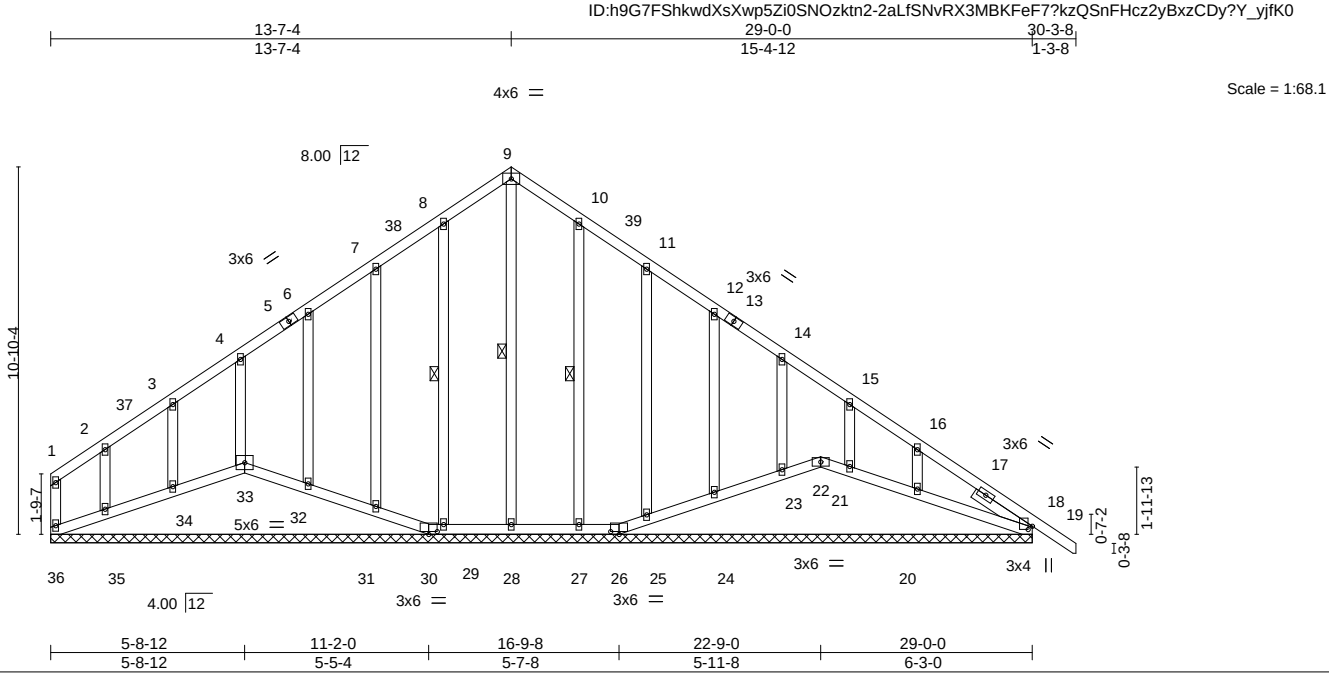

Plate Offsets (X,Y)-- [18:0-1-3,0-1-8], [26:0-3-0,0-1-0], [30:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.00	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.00	18	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.02	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 206 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
SLIDER	Right 2x4 SP No.3 2-0-0

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 9-28, 8-29, 10-27

REACTIONS. All bearings 29-0-0.
(lb) - Max Horz 36=-523(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 36=-251(LC 8), 30=-137(LC 8), 26=-139(LC 8), 22=-229(LC 11), 18=-142(LC 12), 28=-131(LC 10), 29=-130(LC 12), 31=-170(LC 12), 32=-142(LC 12), 33=-301(LC 9), 34=-126(LC 12), 35=-267(LC 12), 27=-140(LC 13), 25=-165(LC 13), 24=-147(LC 13), 23=-164(LC 13), 21=-107(LC 13), 20=-289(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 30, 26, 18, 29, 31, 32, 34, 27, 25, 24, 23, 21 except 36=285(LC 11), 22=286(LC 8), 28=550(LC 12), 33=422(LC 10), 35=276(LC 10), 20=346(LC 20)

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

TOP CHORD	4-6=-289/285, 6-7=-373/368, 7-8=-468/472, 8-9=-542/568, 9-10=-542/588, 10-11=-468/542, 11-12=-373/473, 12-14=-330/411, 14-15=-362/389, 15-16=-383/381, 16-18=-469/447
BOT CHORD	35-36=-422/473, 34-35=-402/455, 33-34=-408/458, 32-33=-406/455, 31-32=-405/456, 30-31=-403/456, 29-30=-379/429, 28-29=-379/429, 27-28=-379/429, 26-27=-379/429, 25-26=-400/456, 24-25=-405/456, 23-24=-406/456, 22-23=-403/452, 21-22=-400/451, 20-21=-410/456, 18-20=-404/455
WEBS	9-28=-524/421, 16-20=-337/309

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-7-4, Exterior(2) 13-7-4 to 16-7-4, Interior(1) 16-7-4 to 30-3-0 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) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER

August 27,2020

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NOTES- (11)

9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 251 lb uplift at joint 36, 137 lb uplift at joint 30, 139 lb uplift at joint 26, 229 lb uplift at joint 22, 142 lb uplift at joint 18, 131 lb uplift at joint 28, 130 lb uplift at joint 29, 170 lb uplift at joint 31, 142 lb uplift at joint 32, 301 lb uplift at joint 33, 126 lb uplift at joint 34, 267 lb uplift at joint 35, 140 lb uplift at joint 27, 165 lb uplift at joint 25, 147 lb uplift at joint 24, 164 lb uplift at joint 23, 107 lb uplift at joint 21 and 289 lb uplift at joint 20.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 22, 31, 32, 33, 34, 35, 25, 24, 23, 21, 20.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A09	GABLE	5	1	I42605356
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:26 2020 Page 1
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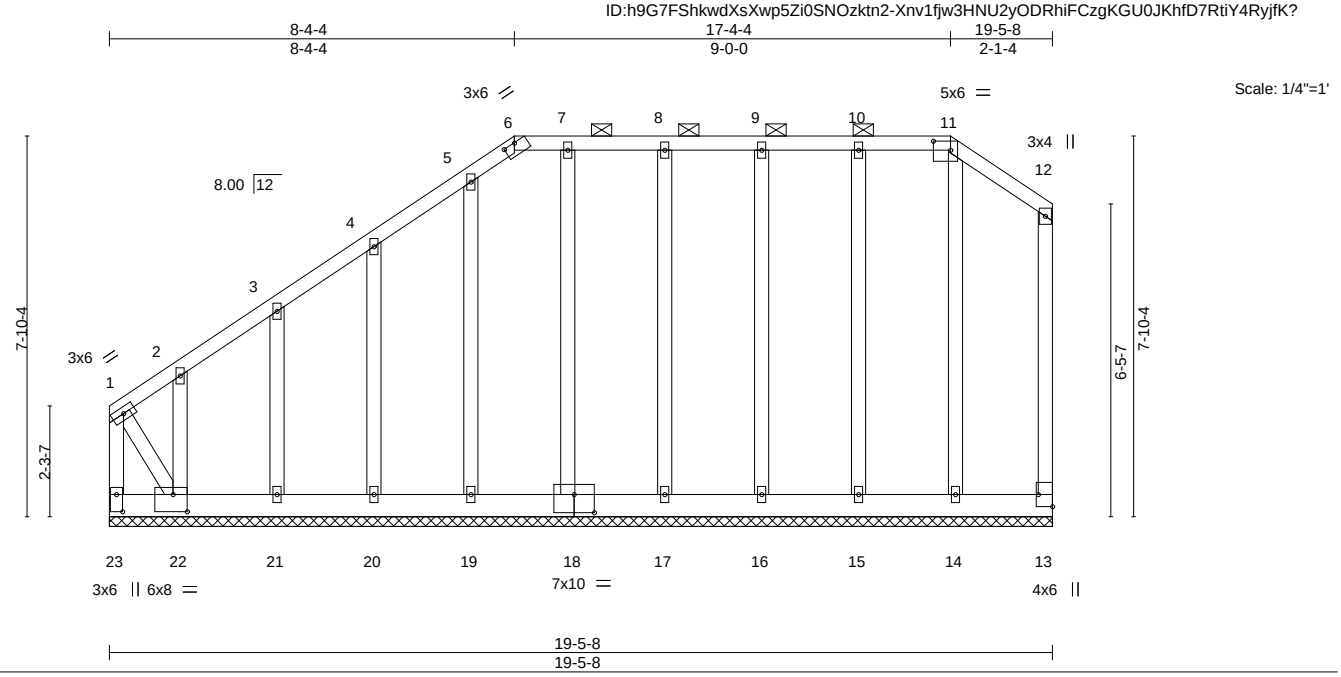

Plate Offsets (X,Y)-- [6:0-3-0,0-0-2], [11:0-4-4,0-2-4], [13:Edge,0-3-8], [18:0-5-0,0-4-8], [22:0-3-8,0-4-4], [23:0-4-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 172 lb	FT = 20%

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

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

REACTIONS. All bearings 19-5-8.
(lb) - Max Horz 23=469(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 13, 14, 16 except 23=-499(LC 10), 15=-111(LC 9), 17=-108(LC 8), 18=-124(LC 9), 19=-105(LC 9), 20=-169(LC 12), 21=-155(LC 12), 22=-567(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 15, 16, 17, 18, 19, 20, 21 except 23=694(LC 9), 22=530(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-834/785, 1-2=-418/414, 2-3=-334/344, 3-4=-277/251, 4-5=-256/257, 5-6=-243/284, 6-7=-235/284, 7-8=-235/283, 8-9=-235/283, 9-10=-235/283, 10-11=-235/283, 11-12=-274/324, 12-13=-247/264
BOT CHORD 22-23=-538/552
WEBS 1-22=-720/760

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 8-4-4, Corner(3) 8-4-4 to 11-5-8, Exterior(2) 11-5-8 to 17-4-4, Corner(3) 17-4-4 to 19-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 14, 16 except (jt=lb) 23=499, 15=111, 17=108, 18=124, 19=105, 20=169, 21=155, 22=567.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A10	Hip	6	1	I42605357
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:28 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-T91o4OyKp_klBiMqo7Hg25Phdpwo9QHQuBBf8JyjfJz

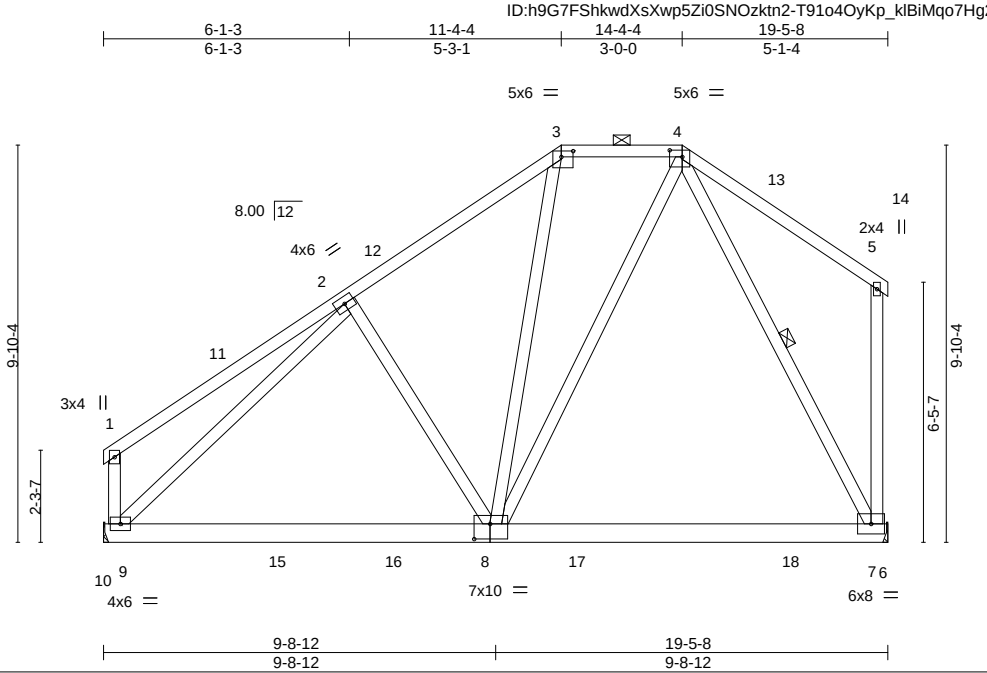

Plate Offsets (X,Y)-- [3:0-3-8,0-1-12], [4:0-3-12,0-2-0], [8:0-4-12,0-4-8]

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	0.49	Vert(LL)	-0.10	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.16	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	-0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.02	8	>999	240	Weight: 157 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7

REACTIONS. (size) 9=Mechanical, 7=Mechanical
Max Horz 9=387(LC 12)
Max Uplift 9=-274(LC 12), 7=-344(LC 12)
Max Grav 9=808(LC 19), 7=812(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-273/217, 2-3=-771/404, 3-4=-660/422, 1-9=-324/251, 5-7=-251/213
BOT CHORD 8-9=-501/728, 7-8=-151/305
WEBS 2-8=-401/447, 4-8=-257/530, 2-9=-659/191, 4-7=-627/316

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-4 to 3-3-4, Interior(1) 3-3-4 to 11-4-4, Exterior(2) 11-4-4 to 18-7-3, Interior(1) 18-7-3 to 19-2-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=274, 7=344.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A11	Hip	2	1	I42605358
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:29 2020 Page 1
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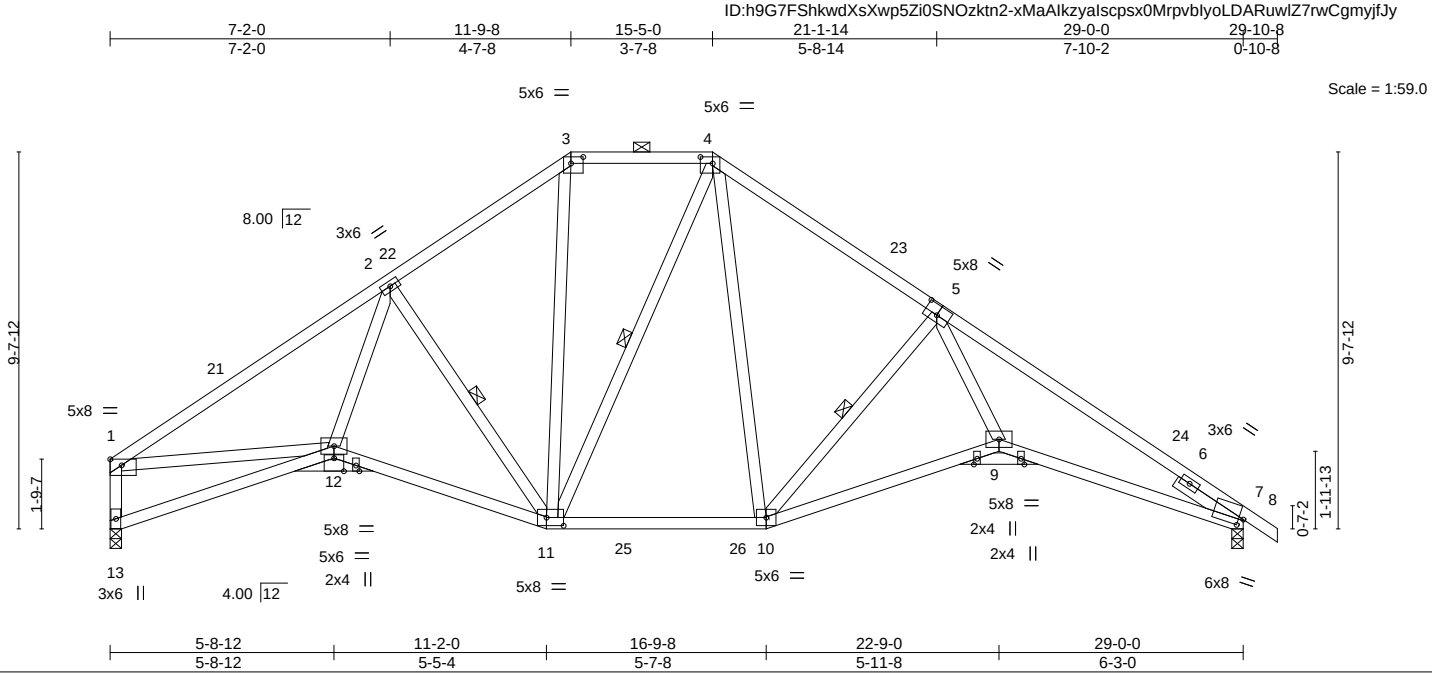

Plate Offsets (X,Y)-- [1:Edge,0-1-14], [3:0-3-12,0-2-0], [4:0-3-12,0-2-0], [5:0-4-0,0-3-0], [7:0-1-7,0-2-3], [11:0-5-4,0-2-8], [12:0-3-0,Edge]

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	0.75	Vert(LL)	-0.13	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.31	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.19	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.15	9-10	>999	240	Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-2-15 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-11, 4-11, 5-10

REACTIONS. (size) 13=0-3-8, 7=0-3-8
Max Horz 13=-414(LC 8)
Max Uplift 13=-458(LC 12), 7=-529(LC 13)
Max Grav 13=1153(LC 1), 7=1207(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2017/761, 2-3=-1434/750, 3-4=-1182/665, 4-5=-1519/759, 5-7=-3101/1136, 1-13=-1285/583
BOT CHORD 12-13=-430/547, 11-12=-593/1546, 10-11=-151/896, 9-10=-621/1871, 7-9=-803/2560
WEBS 2-12=-234/826, 2-11=-966/644, 3-11=-259/608, 4-11=-259/227, 4-10=-334/652, 5-10=-1434/714, 5-9=-425/1633, 1-12=-380/1358

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-9-8, Exterior(2) 11-9-8 to 19-7-15, Interior(1) 19-7-15 to 29-10-8 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 13, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=458, 7=529.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A11A	HIP	4	1	I42605359
					Job Reference (optional)

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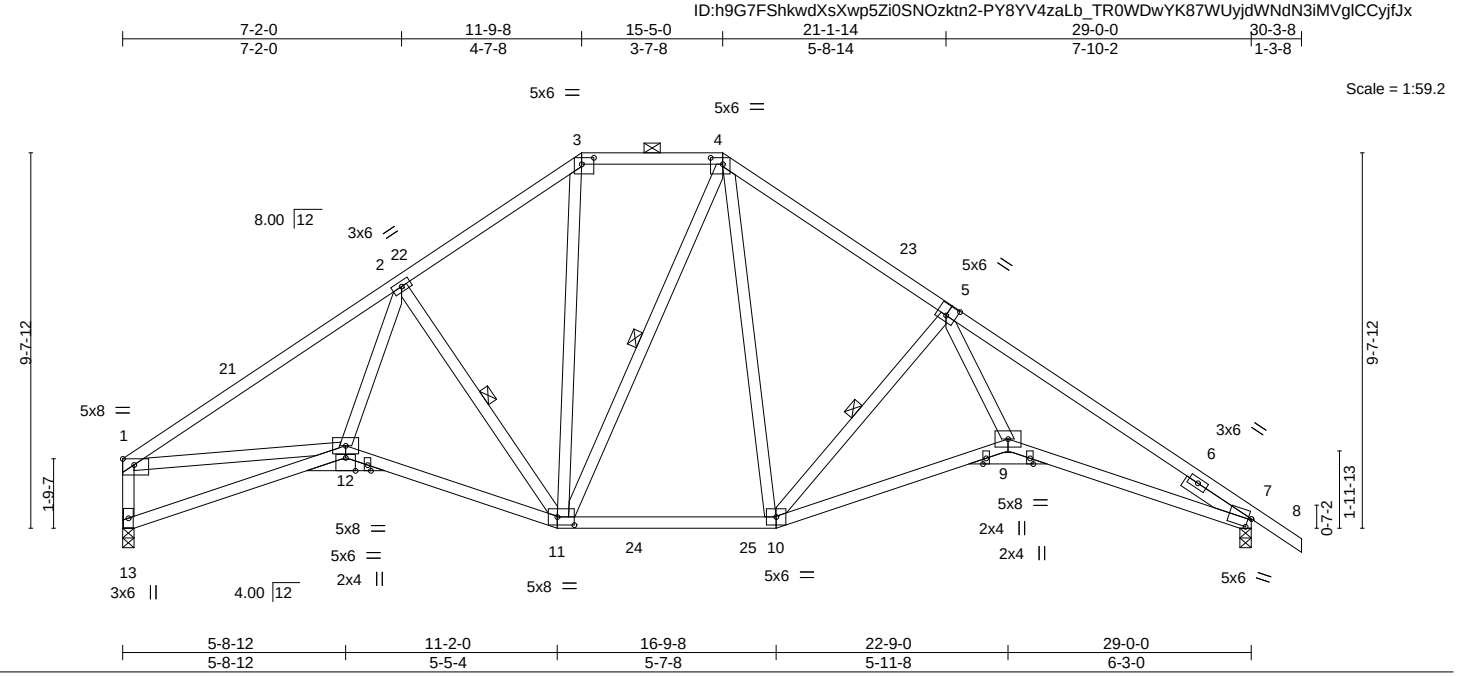

Plate Offsets (X,Y)-- [1:Edge,0-1-14], [3:0-3-12,0-2-0], [4:0-3-12,0-2-0], [5:0-3-0,0-3-4], [7:0-0-15,0-2-14], [11:0-5-4,0-2-8], [12:0-3-0,Edge]

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	0.78	Vert(LL)	-0.14	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.31	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.19	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.15	9-10	>999	240	Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-2-15 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-11, 4-11, 5-10

REACTIONS. (size) 13=0-3-8, 7=0-3-8
Max Horz 13=-422(LC 8)
Max Uplift 13=-458(LC 12), 7=-549(LC 13)
Max Grav 13=1152(LC 1), 7=1233(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2026/755, 2-3=-1435/749, 3-4=-1182/662, 4-5=-1520/754, 5-7=-3119/1116, 1-13=-1290/580
BOT CHORD 12-13=-424/556, 11-12=-581/1553, 10-11=-142/895, 9-10=-598/1893, 7-9=-771/2590
WEBS 2-12=-227/831, 2-11=-973/640, 3-11=-259/609, 4-11=-259/227, 4-10=-331/653, 5-10=-1445/698, 5-9=-405/1652, 1-12=-364/1356

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-9-8, Exterior(2) 11-9-8 to 19-7-15, Interior(1) 19-7-15 to 30-3-8 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 13, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=458, 7=549.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A12	GABLE	2	1	I42605360
					Job Reference (optional)

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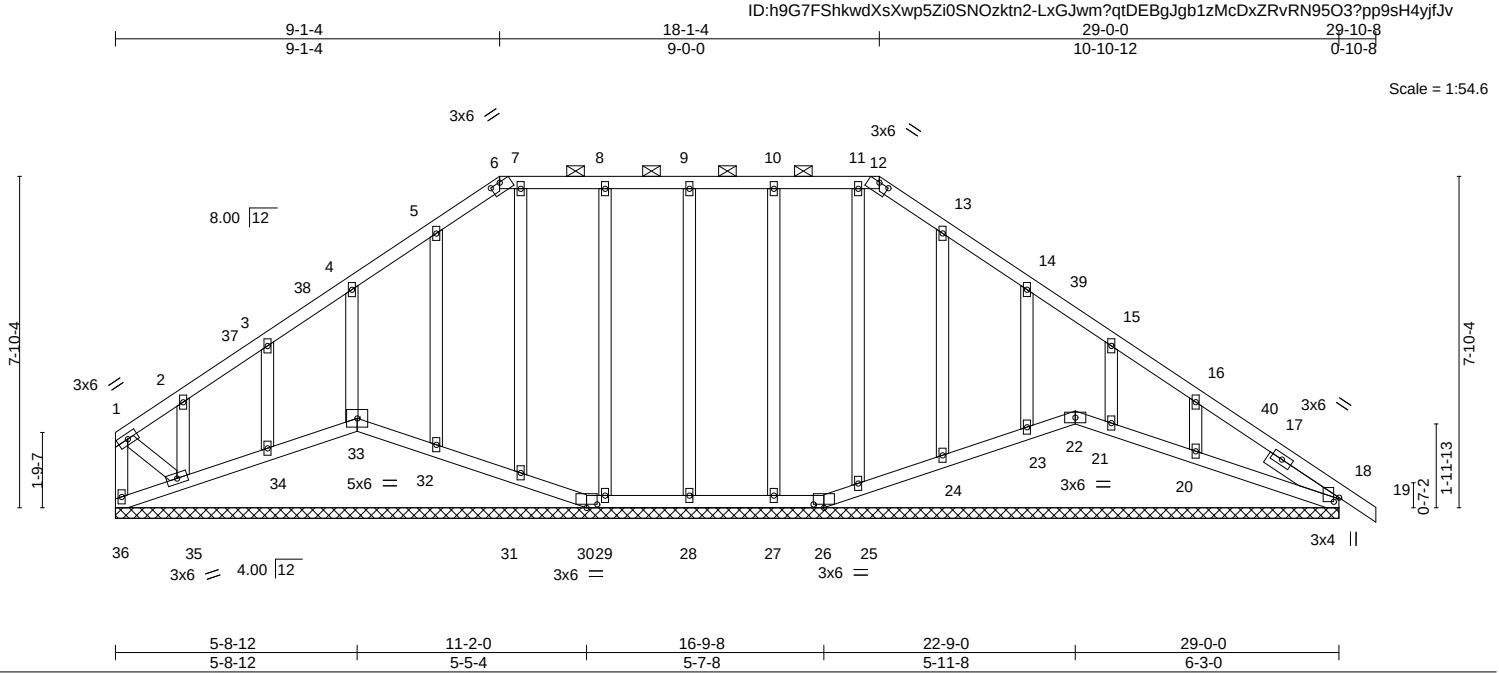

Plate Offsets (X,Y)-- [6:0-3-0,0-0-2], [12:0-3-0,0-0-2], [18:0-1-3,0-1-8], [26:0-3-0,0-1-0], [30:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	0.00	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	0.00	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 194 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
SLIDER	Right 2x4 SP No.3 1-11-10

BRACING-

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

REACTIONS. All bearings 29-0-0.
(lb) - Max Horz 36=-383(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 30, 26, 22, 18, 28, 31, 25, 24 except 36=-371(LC 10), 29=-116(LC 8), 32=-116(LC 12), 33=-104(LC 9), 34=-150(LC 12), 35=-341(LC 12), 27=-106(LC 8), 23=-180(LC 13), 21=-107(LC 13), 20=-281(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 30, 26, 22, 18, 28, 29, 31, 32, 34, 27, 25, 24, 23, 21 except 36=410(LC 9), 33=255(LC 19), 35=390(LC 10), 20=319(LC 20)

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

TOP CHORD	4-5=-229/290, 5-6=-293/324, 6-7=-268/298, 7-8=-268/298, 8-9=-268/298, 9-10=-268/298, 10-11=-268/298, 11-12=-268/298, 12-13=-292/312, 1-36=-299/262
BOT CHORD	35-36=-343/382, 34-35=-165/260, 33-34=-167/259, 32-33=-174/263, 31-32=-173/263, 30-31=-170/263, 25-26=-168/263, 24-25=-173/264, 23-24=-174/263, 22-23=-172/260, 21-22=-168/259, 20-21=-178/264, 18-20=-171/261
WEBS	16-20=-342/301, 1-35=-283/303

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-1-4, Exterior(2) 9-1-4 to 13-7-4, Interior(1) 13-7-4 to 18-1-4, Exterior(2) 18-1-4 to 22-4-3, Interior(1) 22-4-3 to 29-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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) 30, 26, 22, 18, 28, 31, 25, 24 except (jt=lb) 36=371, 29=116, 32=116, 33=104, 34=150, 35=341, 27=106, 23=180, 21=107, 20=281.

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NOTES- (13)

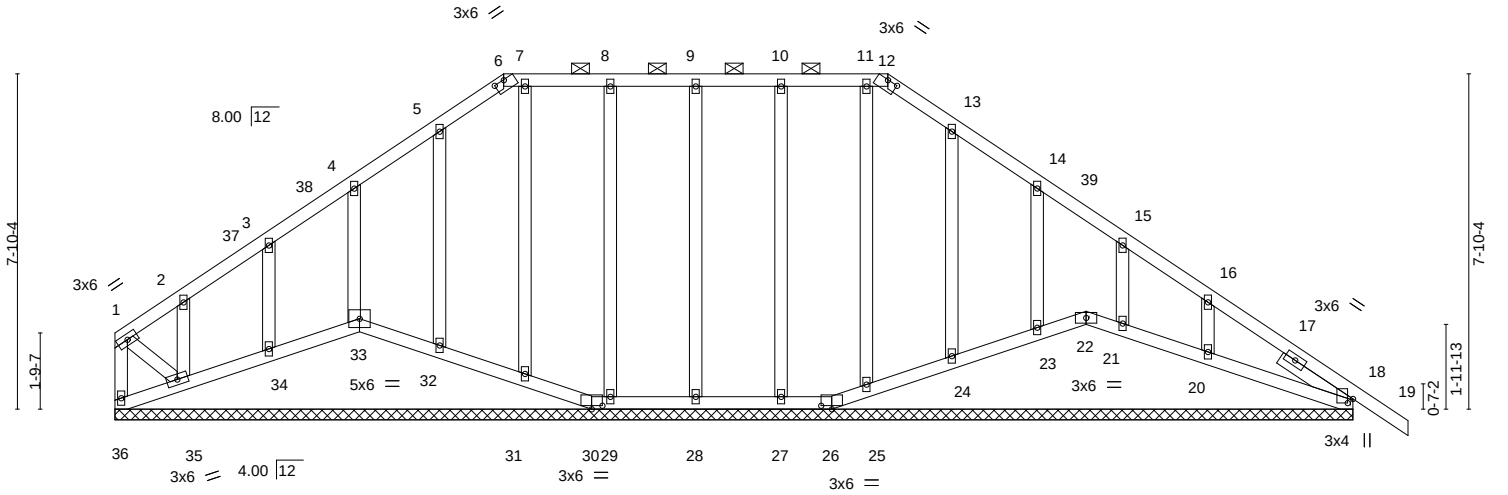
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 22, 31, 32, 33, 34, 35, 25, 24, 23, 21, 20.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	A12A	GABLE	4	1	I42605361
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:34 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-IJO3LS04PqVvvdq_9OO4IMfnCE2jZIWIH7ezLzyjfJt

9-1-4 (9-1-4) | 18-1-4 (9-0-0) | 29-0-0 (10-10-12) | 30-3-8 (1-3-8)

Scale = 1:54.0



5-8-12 (5-8-12) | 11-2-0 (5-5-4) | 16-9-8 (5-7-8) | 22-9-0 (5-11-8) | 29-0-0 (6-3-0)

Plate Offsets (X,Y)-- [6:0-3-0,0-0-2], [12:0-3-0,0-0-2], [18:0-1-3,0-1-8], [26:0-3-0,0-1-0], [30:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.00	19	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	-0.00	19	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 195 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
SLIDER Right 2x4 SP No.3 1-11-10

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

REACTIONS. All bearings 29-0-0.
(lb) - Max Horz 36=-392(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 30, 26, 22, 28, 31, 25, 24 except 36=-376(LC 10), 18=-112(LC 13), 29=-116(LC 8), 32=-116(LC 12), 33=-102(LC 9), 34=-150(LC 12), 35=-340(LC 12), 27=-106(LC 8), 23=-179(LC 13), 21=-113(LC 13), 20=-265(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 30, 26, 22, 18, 28, 29, 31, 32, 34, 27, 25, 24, 23, 21 except 36=407(LC 11), 33=257(LC 19), 35=392(LC 10), 20=303(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-228/293, 5-6=-291/326, 6-7=-267/300, 7-8=-267/300, 8-9=-267/300, 9-10=-267/300, 10-11=-267/300, 11-12=-267/300, 12-13=-291/314, 1-36=-297/265
BOT CHORD 35-36=-347/391, 34-35=-178/275, 33-34=-180/274, 32-33=-187/278, 31-32=-186/279, 30-31=-183/279, 29-30=-171/261, 28-29=-171/261, 27-28=-171/261, 26-27=-171/261, 25-26=-181/278, 24-25=-186/279, 23-24=-187/278, 22-23=-185/275, 21-22=-181/275, 20-21=-191/279, 18-20=-185/279
WEBS 16-20=-349/288, 1-35=-285/301

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-1-4, Exterior(2) 9-1-4 to 13-7-4, Interior(1) 13-7-4 to 18-1-4, Exterior(2) 18-1-4 to 22-4-3, Interior(1) 22-4-3 to 30-3-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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.

NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER

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NOTES- (13)

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 30, 26, 22, 28, 31, 25, 24 except (jt=lb) 36=376, 18=112 , 29=116, 32=116, 33=102, 34=150, 35=340, 27=106, 23=179, 21=113, 20=265.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 22, 31, 32, 33, 34, 35, 25, 24, 23, 21, 20.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B01	ATTIC	9	1	I42605362
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:35 2020 Page 1
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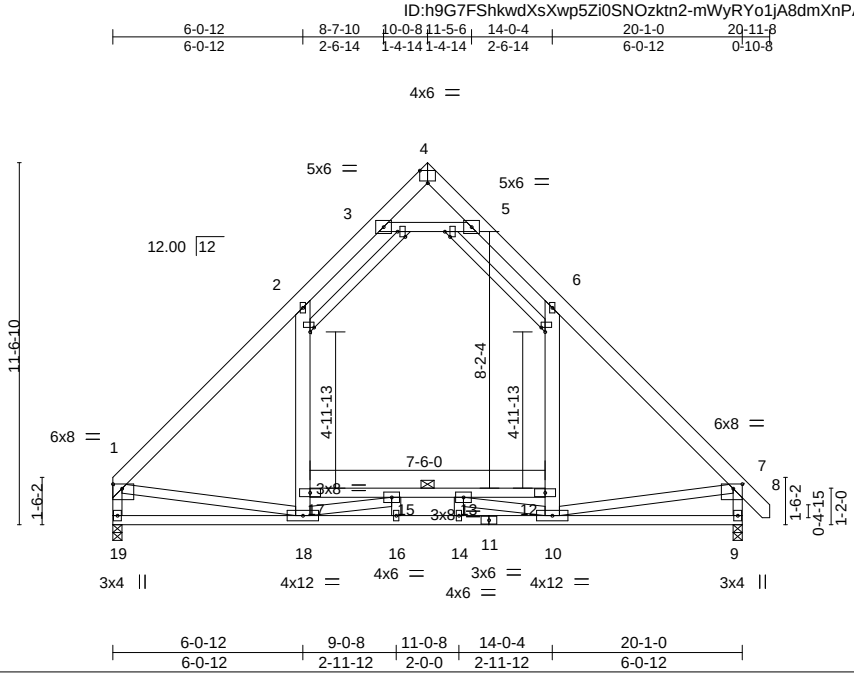

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-3-0,Edge], [7:0-3-8,0-1-12], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,Edge], [23:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.20	16-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.22	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	12-17	1661	360	Weight: 191 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-10,2-18: 2x6 SP No.2, 3-5,1-19,7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 12-17

REACTIONS. (size) 19=0-3-8, 9=0-3-8
Max Horz 19=-543(LC 8)
Max Uplift 19=-160(LC 13), 9=-174(LC 12)
Max Grav 19=1194(LC 21), 9=1222(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1313/237, 2-3=-827/377, 3-4=-195/465, 4-5=-193/465, 5-6=-825/375, 6-7=-1314/243, 1-19=-1143/283, 7-9=-1173/361
BOT CHORD 18-19=-566/752, 16-18=0/1847, 14-16=0/1847, 10-14=0/1847, 9-10=-253/452, 15-17=-541/496, 13-15=-1077/0, 12-13=-562/525
WEBS 10-12=-19/357, 6-12=0/550, 17-18=-24/354, 2-17=0/543, 3-5=-1704/811, 1-18=-80/706, 7-10=-106/717, 15-18=-1289/320, 10-13=-1282/289

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 10-0-8, Corner(3) 10-0-8 to 13-0-8, Exterior(2) 13-0-8 to 20-10-1 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-12, 2-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17, 13-15, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=160, 9=174.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B02	ATTIC	33	1	I42605363
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:37 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-iu3CzT3ziltUn5YZqWynw_H9XSz2mazkz4sdyIyjfJq

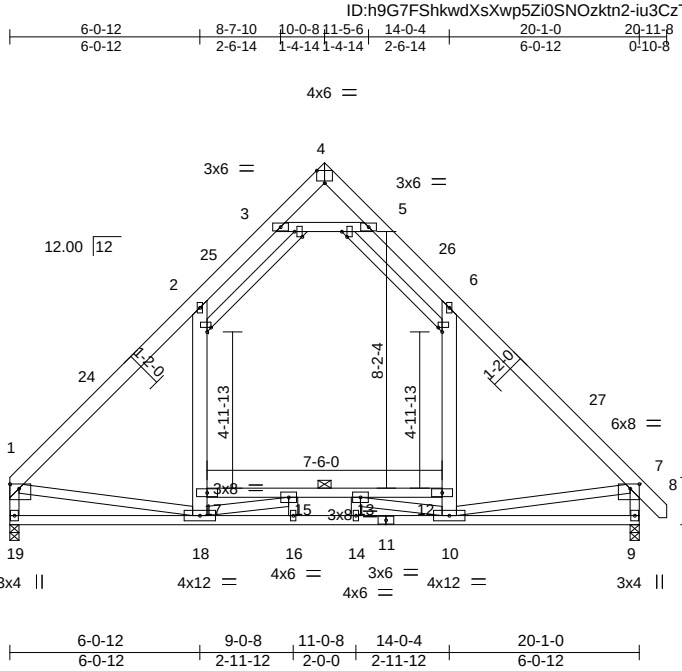

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-3-0,Edge], [7:0-3-8,0-1-12], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,Edge], [23:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.20	16-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.22	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	12-17	1660	360	Weight: 191 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-10,2-18: 2x6 SP No.2, 3-5,1-19,7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 12-17

REACTIONS. (size) 19=0-3-8, 9=0-3-8
Max Horz 19=511(LC 11)
Max Uplift 19=-161(LC 13), 9=-175(LC 12)
Max Grav 19=1194(LC 21), 9=1220(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1314/206, 2-3=-828/335, 3-4=-196/463, 4-5=-193/466, 5-6=-824/336, 6-7=-1312/214, 1-19=-1143/229, 7-9=-1172/300
BOT CHORD 18-19=-541/720, 16-18=0/1846, 14-16=0/1846, 10-14=0/1846, 9-10=-253/449, 15-17=-536/493, 13-15=-1077/0, 12-13=-560/523
WEBS 10-12=-18/356, 6-12=0/550, 17-18=-26/355, 2-17=0/543, 3-5=-1705/645, 1-18=-63/701, 7-10=-104/715, 15-18=-1287/317, 10-13=-1279/286

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-0-8, Exterior(2) 10-0-8 to 13-0-8, Interior(1) 13-0-8 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-12, 2-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17, 13-15, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=161, 9=175.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B03	ATTIC	12	1	I42605364
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:38 2020 Page 1
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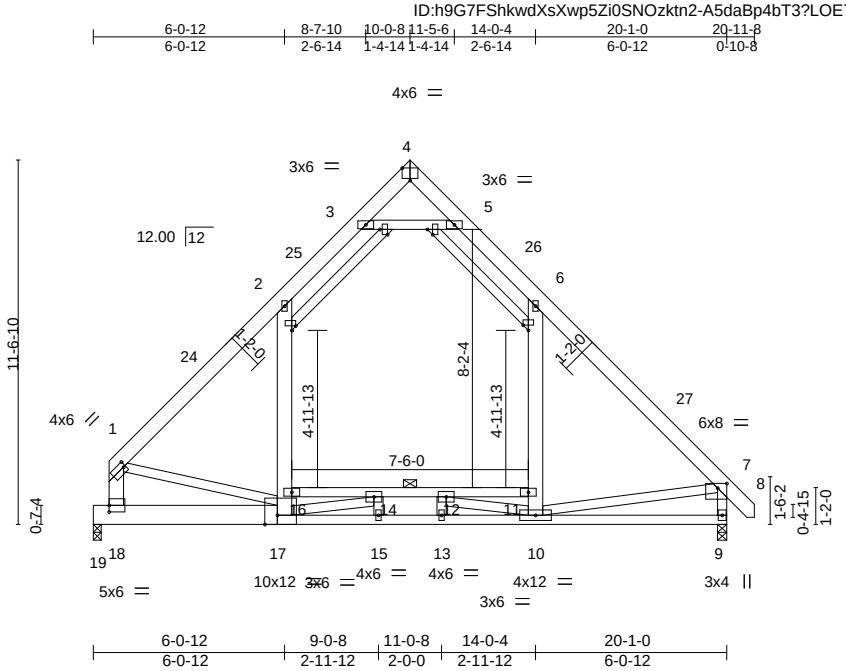

Plate Offsets (X,Y)-- [1:0-0-12,0-2-0], [4:0-3-0,Edge], [7:0-3-8,0-1-12], [17:0-4-12,Edge], [18:0-0-0,0-2-8], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,Edge], [23:0-2-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	0.20	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.22	11-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	11-16	1665	360	Weight: 199 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
17-19: 2x8 SP DSS
WEBS 2x4 SP No.3 *Except*
6-10,2-17,1-18: 2x6 SP No.2, 3-5,7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 11-16

REACTIONS. (size) 19=0-3-0, 9=0-3-8
Max Horz 19=-507(LC 8)
Max Uplift 19=-144(LC 13), 9=-170(LC 12)
Max Grav 19=1169(LC 21), 9=1217(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1334/230, 2-3=-820/333, 3-4=-177/447, 4-5=-184/450, 5-6=-828/332,
6-7=-1307/207, 1-18=-1199/209, 7-9=-1167/297
BOT CHORD 18-19=-499/507, 17-18=-467/835, 15-17=0/1854, 13-15=0/1854, 10-13=0/1854,
9-10=-251/449, 14-16=-437/475, 12-14=-1061/0, 11-12=-525/484
WEBS 10-11=-14/348, 6-11=0/548, 16-17=-125/475, 2-16=0/579, 3-5=-1672/627, 1-17=-98/524,
7-10=-95/710, 14-17=-1309/211, 10-12=-1257/282

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-8-12 to 3-8-12, Interior(1) 3-8-12 to 10-0-8, Exterior(2) 10-0-8 to 13-0-8, Interior(1) 13-0-8 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-11, 2-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 12-14, 11-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=144, 9=170.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B04	ATTIC	3	1	I42605365
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:39 2020 Page 1
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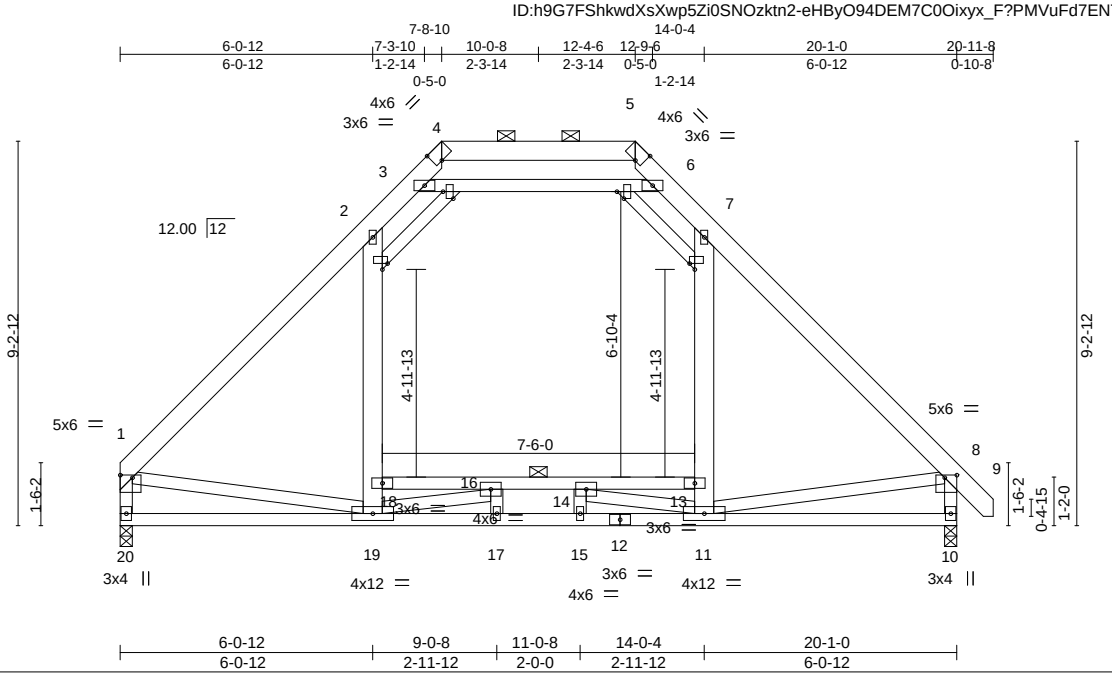

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [4:0-2-2,Edge], [5:0-2-2,Edge], [8:0-3-8,0-0-12], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-1-8,0-1-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	0.13	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.13	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.05	13-18	1809	360	Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-11,2-19: 2x6 SP No.2, 3-6: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied. Except:
6-0-0 oc bracing: 13-18

REACTIONS. (size) 20=0-3-8, 10=0-3-8
Max Horz 20=412(LC 11)
Max Uplift 20=-122(LC 12), 10=-163(LC 13)
Max Grav 20=1152(LC 2), 10=1199(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1238/269, 2-3=-792/409, 3-4=-109/334, 5-6=-104/327, 6-7=-789/406, 7-8=-1241/279, 1-20=-1096/298, 8-10=-1144/375, 4-5=-196/542
BOT CHORD 19-20=-449/577, 17-19=0/1632, 15-17=0/1632, 11-15=0/1632, 10-11=-204/333, 16-18=-392/431, 14-16=-915/0, 13-14=-413/458
WEBS 11-13=0/339, 7-13=0/530, 18-19=0/341, 2-18=0/526, 3-6=-1496/639, 1-19=-109/755, 8-11=-143/773, 16-19=-1204/241, 11-14=-1196/215

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 7-8-10, Corner(3) 7-8-10 to 10-8-10, Exterior(2) 10-8-10 to 12-4-6, Corner(3) 12-4-6 to 15-4-6, Exterior(2) 15-4-6 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-6; Wall dead load (5.0psf) on member(s).7-13, 2-18
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=122, 10=163.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B05	ATTIC	3	1	I42605366
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:41 2020 Page 1
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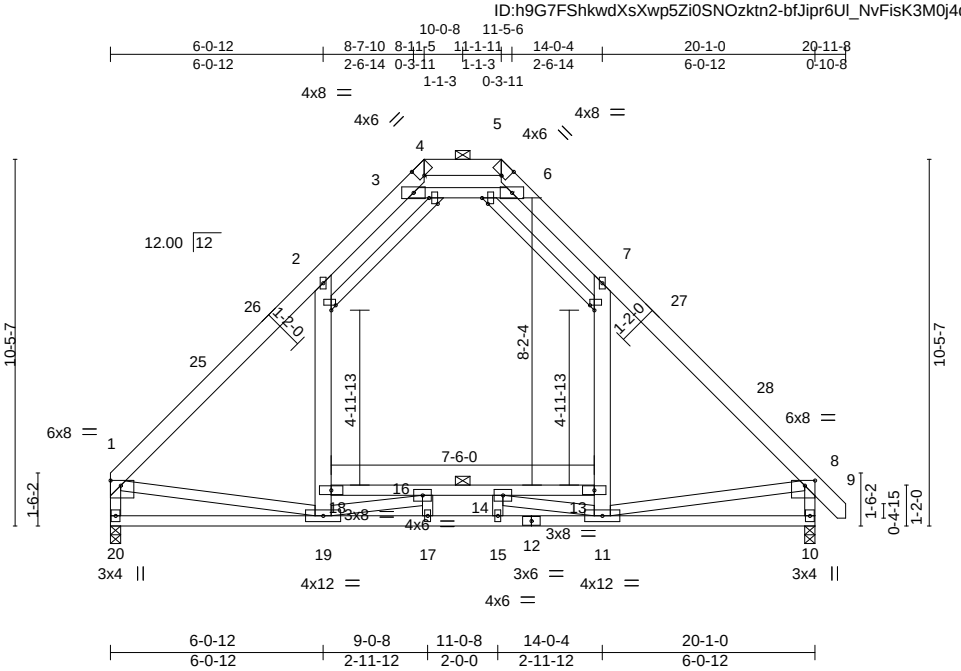

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-2-2,Edge], [5:0-2-2,Edge], [8:0-3-8,0-1-12], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	0.19	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.21	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	13-18	1685	360	Weight: 189 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-11,2-19: 2x6 SP No.2, 3-6,1-20,8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 13-18

REACTIONS. (size) 20=0-3-8, 10=0-3-8
Max Horz 20=466(LC 11)
Max Uplift 20=-130(LC 13), 10=-167(LC 13)
Max Grav 20=1152(LC 2), 10=1199(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1244/208, 2-3=-785/353, 3-4=-316/871, 5-6=-310/875, 6-7=-781/345, 7-8=-1242/210, 1-20=-1091/254, 8-10=-1138/324, 4-5=-462/1388
BOT CHORD 19-20=-497/673, 17-19=0/1790, 15-17=0/1790, 11-15=0/1790, 10-11=-250/441, 16-18=-517/471, 14-16=-1064/0, 13-14=-539/498
WEBS 11-13=-6/360, 7-13=0/549, 18-19=-14/359, 2-18=0/542, 3-6=-2357/899, 1-19=-92/684, 8-11=-131/696, 16-19=-1271/294, 11-14=-1264/265

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-11-5, Exterior(2) 8-11-5 to 15-4-10, Interior(1) 15-4-10 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-6; Wall dead load (5.0psf) on member(s).7-13, 2-18
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=130, 10=167.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B10	ATTIC	2	1	I42605367
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:42 2020 Page 1
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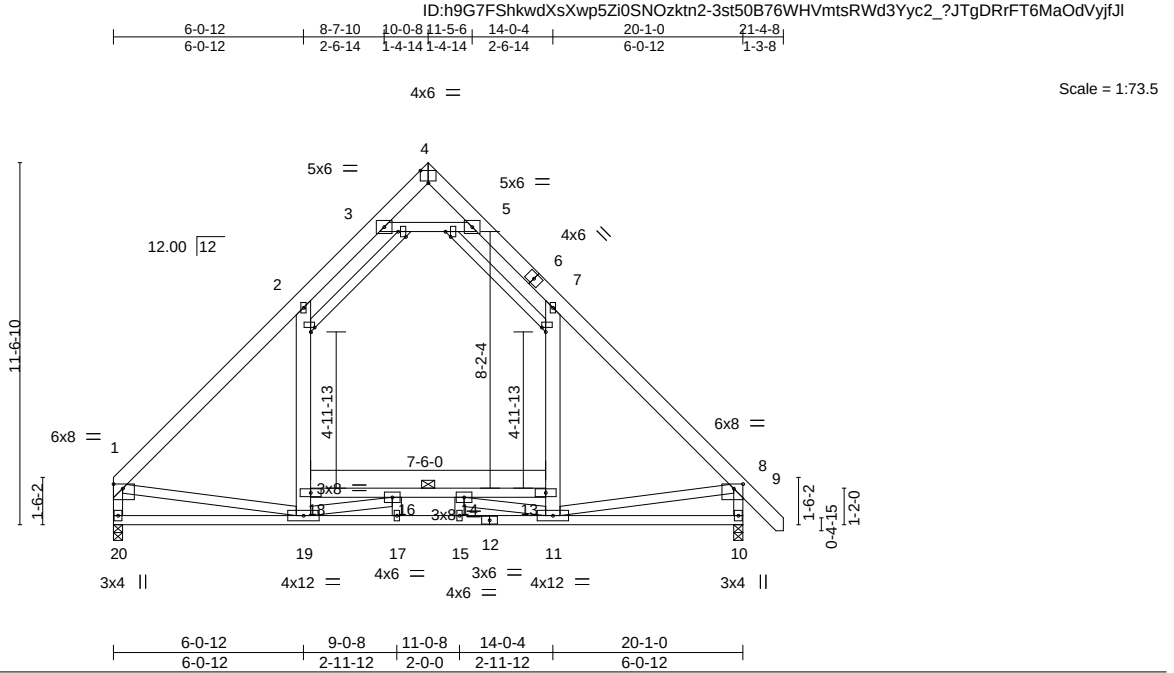

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-3-0,Edge], [8:0-3-8,0-1-12], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.20	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.22	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	13-18	1661	360	Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-11,2-19: 2x6 SP No.2, 3-5,1-20,8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 13-18

REACTIONS. (size) 20=0-3-8, 10=0-3-8
Max Horz 20=-522(LC 8)
Max Uplift 20=-160(LC 13), 10=-189(LC 13)
Max Grav 20=1192(LC 21), 10=1236(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1312/233, 2-3=-827/377, 3-4=-194/464, 4-5=-191/464, 5-7=-824/373, 7-8=-1311/245, 1-20=-1141/280, 8-10=-1184/397
BOT CHORD 19-20=-537/735, 17-19=0/1853, 15-17=0/1853, 11-15=0/1853, 10-11=-230/466, 16-18=-534/493, 14-16=-1077/0, 13-14=-557/521
WEBS 11-13=-19/355, 7-13=0/550, 18-19=-26/353, 2-18=0/543, 3-5=-1702/808, 1-19=-64/698, 8-11=-101/725, 16-19=-1282/316, 11-14=-1280/287

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 10-0-8, Corner(3) 10-0-8 to 13-0-8, Exterior(2) 13-0-8 to 21-3-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-7, 3-5; Wall dead load (5.0psf) on member(s).7-13, 2-18
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 13-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=160, 10=189.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B11	ATTIC	6	1	I42605368
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:44 2020 Page 1
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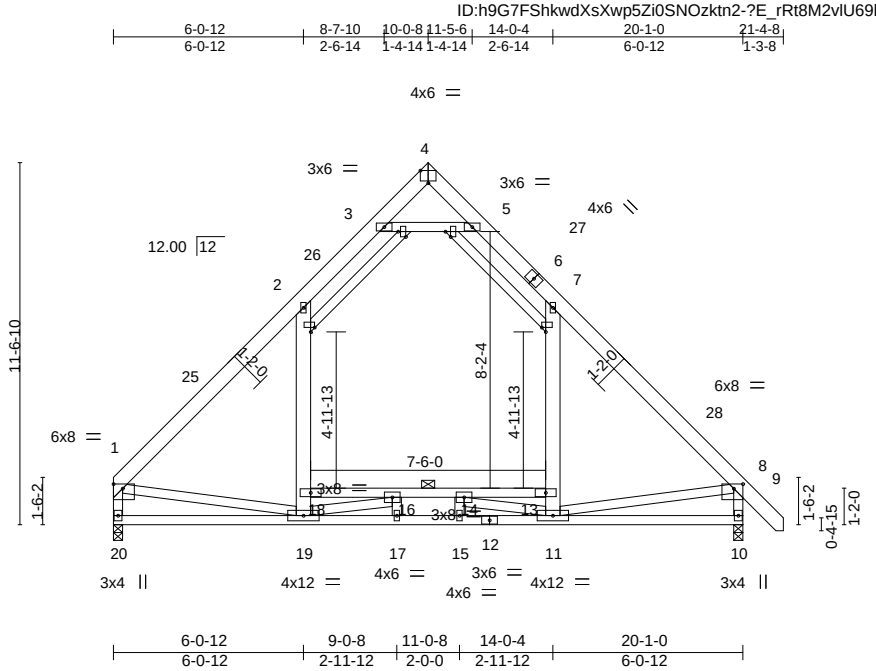

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-3-0,Edge], [8:0-3-8,0-1-12], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.20	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.22	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	13-18	1660	360	Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-11,2-19: 2x6 SP No.2, 3-5,1-20,8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 13-18

REACTIONS. (size) 20=0-3-8, 10=0-3-8
Max Horz 20=-522(LC 8)
Max Uplift 20=-160(LC 13), 10=-189(LC 13)
Max Grav 20=1192(LC 21), 10=1236(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1312/205, 2-3=-827/334, 3-4=-195/464, 4-5=-191/465, 5-7=-824/335, 7-8=-1311/214, 1-20=-1141/229, 8-10=-1184/336
BOT CHORD 19-20=-533/732, 17-19=0/1853, 15-17=0/1853, 11-15=0/1853, 10-11=-230/463, 16-18=-535/494, 14-16=-1077/0, 13-14=-557/521
WEBS 11-13=-19/355, 7-13=0/550, 18-19=-26/353, 2-18=0/543, 3-5=-1703/641, 1-19=-62/699, 8-11=-101/725, 16-19=-1282/316, 11-14=-1280/287

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-0-8, Exterior(2) 10-0-8 to 13-0-8, Interior(1) 13-0-8 to 21-3-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-7, 3-5; Wall dead load (5.0psf) on member(s).7-13, 2-18
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 13-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=160, 10=189.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B12	ATTIC	6	1	I42605369
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:45 2020 Page 1
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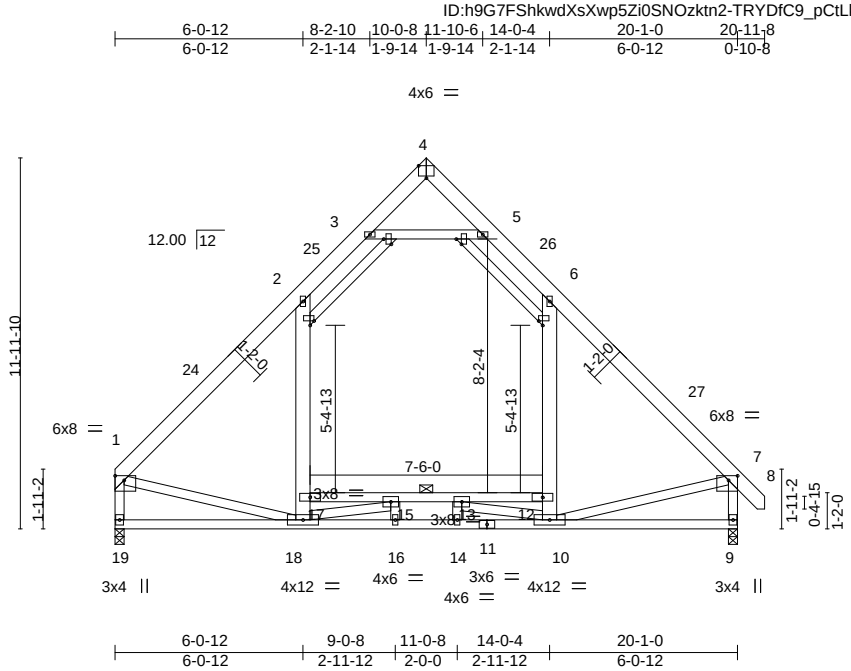

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [4:0-3-0,Edge], [7:0-3-8,0-1-12], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,Edge], [23:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	0.19	18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.18	15-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	12-17	1555	360	Weight: 194 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
6-10,2-18: 2x6 SP No.2, 3-5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-9-0 oc bracing: 12-17

REACTIONS. (size) 19=0-3-8, 9=0-3-8
Max Horz 19=531(LC 11)
Max Uplift 19=-164(LC 13), 9=-176(LC 12)
Max Grav 19=1206(LC 21), 9=1232(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1261/210, 2-3=-835/343, 3-4=-134/301, 4-5=-132/301, 5-6=-830/344, 6-7=-1255/222, 1-19=-1166/225, 7-9=-1194/292
BOT CHORD 18-19=-535/643, 16-18=0/1780, 14-16=0/1780, 10-14=0/1780, 9-10=-172/280, 15-17=-506/584, 13-15=-1024/0, 12-13=-531/615
WEBS 10-12=-183/426, 6-12=0/503, 17-18=-184/420, 2-17=0/499, 3-5=-1433/559, 1-18=-41/780, 7-10=-68/803, 15-18=-1424/343, 10-13=-1410/307

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-0-8, Exterior(2) 10-0-8 to 13-0-8, Interior(1) 13-0-8 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-12, 2-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17, 13-15, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=164, 9=176.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B13	ATTIC	3	1	I42605370
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:47 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-Ppgz3uBELq73zdJUQd77J5hqOUMJ66yDGeH9JjyjfJg

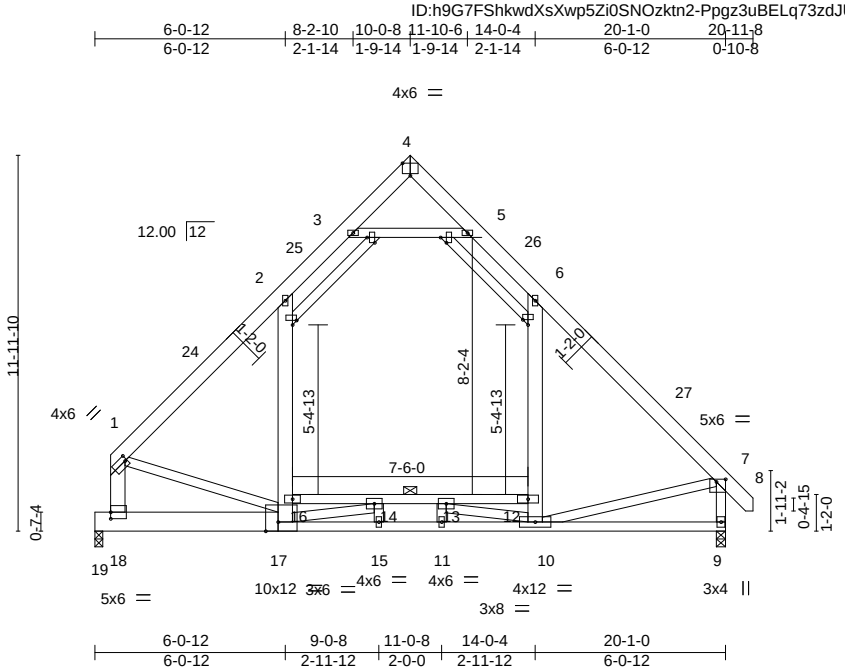

Plate Offsets (X,Y)-- [1:0-0-12,0-2-0], [4:0-3-0,Edge], [7:0-3-8,0-1-0], [17:0-4-12,Edge], [18:0-0-0,0-2-8], [20:0-2-0,Edge], [21:0-1-8,0-1-12], [22:0-2-0,0-2-4], [23:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	0.18	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.18	14-16	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	12-16	1604	360	Weight: 203 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
20-21,22-23: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
17-19: 2x8 SP DSS
WEBS 2x4 SP No.3 *Except*
6-10,2-17,1-18: 2x6 SP No.2, 3-5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-10-0 oc bracing: 12-16

REACTIONS. (size) 19=0-3-0, 9=0-3-8
Max Horz 19=-522(LC 8)
Max Uplift 19=-147(LC 13), 9=-170(LC 12)
Max Grav 19=1181(LC 21), 9=1229(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1288/239, 2-3=-826/341, 3-4=-116/287, 4-5=-124/294, 5-6=-834/338, 6-7=-1250/214, 1-18=-1234/216, 7-9=-1189/288
BOT CHORD 18-19=-519/522, 17-18=-486/712, 15-17=0/1783, 11-15=0/1783, 10-11=0/1783, 9-10=-170/280, 14-16=-427/492, 13-14=-998/0, 12-13=-486/569
WEBS 10-12=-163/404, 6-12=0/498, 16-17=-137/438, 2-16=0/541, 3-5=-1403/542, 1-17=-86/642, 7-10=-57/798, 14-17=-1292/222, 10-13=-1378/304

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-8-12 to 3-8-12, Interior(1) 3-8-12 to 10-0-8, Exterior(2) 10-0-8 to 13-0-8, Interior(1) 13-0-8 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-6, 3-5; Wall dead load (5.0psf) on member(s).6-12, 2-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 13-14, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=147, 9=170.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B14	ATTIC	3	1	I42605371
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:48 2020 Page 1
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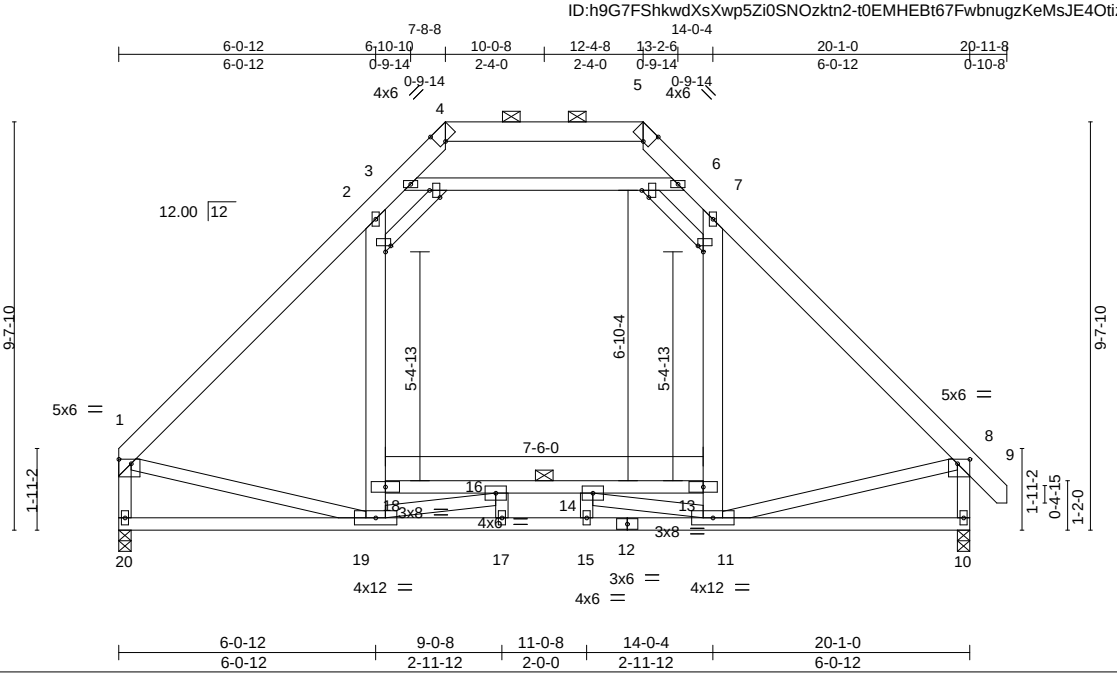

Plate Offsets (X,Y)-- [1:Edge,0-1-4], [4:0-2-2,Edge], [5:0-2-2,Edge], [8:0-3-8,0-1-4], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	0.15	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.16	19	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	13-18	1674	360	Weight: 188 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-11,2-19: 2x6 SP No.2, 3-6: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied. Except:
6-0-0 oc bracing: 13-18

REACTIONS. (size) 20=0-3-8, 10=0-3-8
Max Horz 20=431(LC 11)
Max Uplift 20=-115(LC 12), 10=-153(LC 13)
Max Grav 20=1156(LC 2), 10=1203(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1178/271, 2-3=-793/416, 3-4=-181/255, 5-6=-183/251, 6-7=-788/411, 7-8=-1180/286, 1-20=-1107/294, 8-10=-1154/366
BOT CHORD 19-20=-442/516, 17-19=0/1616, 15-17=0/1616, 11-15=0/1616, 16-18=-404/548, 14-16=-918/0, 13-14=-421/570
WEBS 11-13=-119/426, 7-13=0/483, 18-19=-121/424, 2-18=0/480, 3-6=-1155/516, 1-19=-87/768, 8-11=-110/798, 16-19=-1340/256, 11-14=-1327/225

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 7-8-8, Corner(3) 7-8-8 to 10-8-8, Exterior(2) 10-8-8 to 12-4-8, Corner(3) 12-4-8 to 15-4-8, Exterior(2) 15-4-8 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-6; Wall dead load (5.0psf) on member(s).7-13, 2-18
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=115, 10=153.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B15	ATTIC	3	1	I42605372
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:50 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-qOM6iwD7elWeq4235lhqxkJMuhP?JTQfycWpw2yjfJd

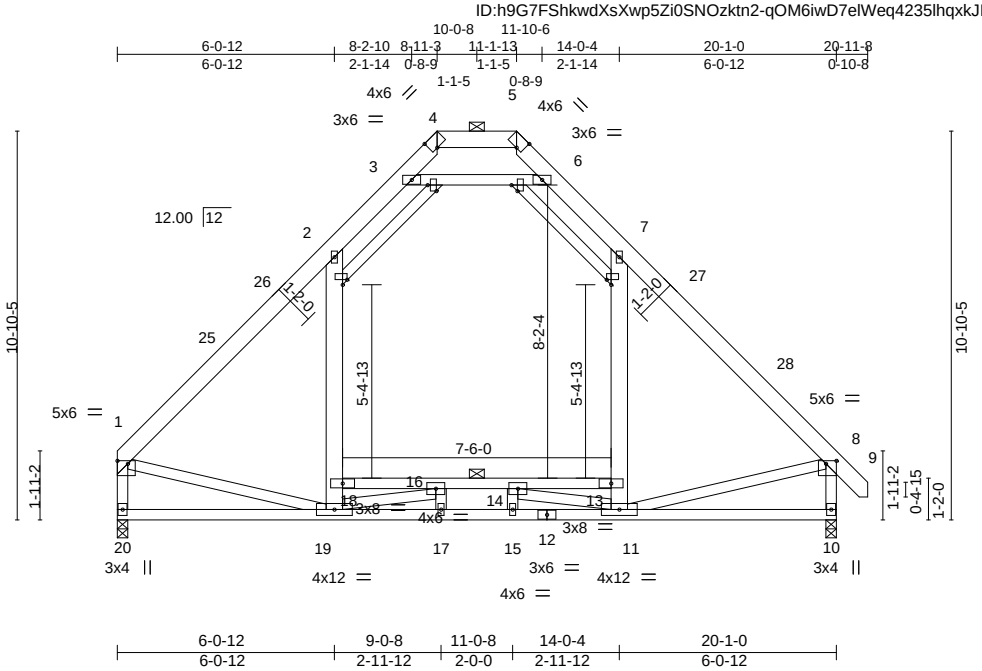

Plate Offsets (X,Y)-- [1:Edge,0-1-0], [4:0-2-2,Edge], [5:0-2-2,Edge], [8:0-3-8,0-1-0], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-1-8,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	0.18	19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.18	16-18	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	13-18	1575	360	Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-11,2-19: 2x6 SP No.2, 3-6: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied. Except:
5-9-0 oc bracing: 13-18

REACTIONS. (size) 20=0-3-8, 10=0-3-8
Max Horz 20=486(LC 11)
Max Uplift 20=-131(LC 13), 10=-157(LC 13)
Max Grav 20=1156(LC 2), 10=1203(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1194/213, 2-3=-792/360, 3-4=-188/470, 5-6=-185/475, 6-7=-787/351, 7-8=-1188/214, 1-20=-1105/250, 8-10=-1149/317, 4-5=-240/750
BOT CHORD 19-20=-489/595, 17-19=0/1727, 15-17=0/1727, 11-15=0/1727, 10-11=-169/275, 16-18=-481/564, 14-16=-1014/0, 13-14=-503/593
WEBS 11-13=-162/431, 7-13=0/502, 18-19=-164/425, 2-18=0/497, 3-6=-1729/681, 1-19=-67/736, 8-11=-93/759, 16-19=-1406/317, 11-14=-1394/283

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-11-3, Exterior(2) 8-11-3 to 15-4-12, Interior(1) 15-4-12 to 20-10-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-6; Wall dead load (5.0psf) on member(s).7-13, 2-18
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-18, 14-16, 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=131, 10=157.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	B16	ATTIC	2	1	I42605373
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:51 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-IbwUvGElP2eVSEdFfSC3UxsYA5k32wvoBGFNSUyjfJc

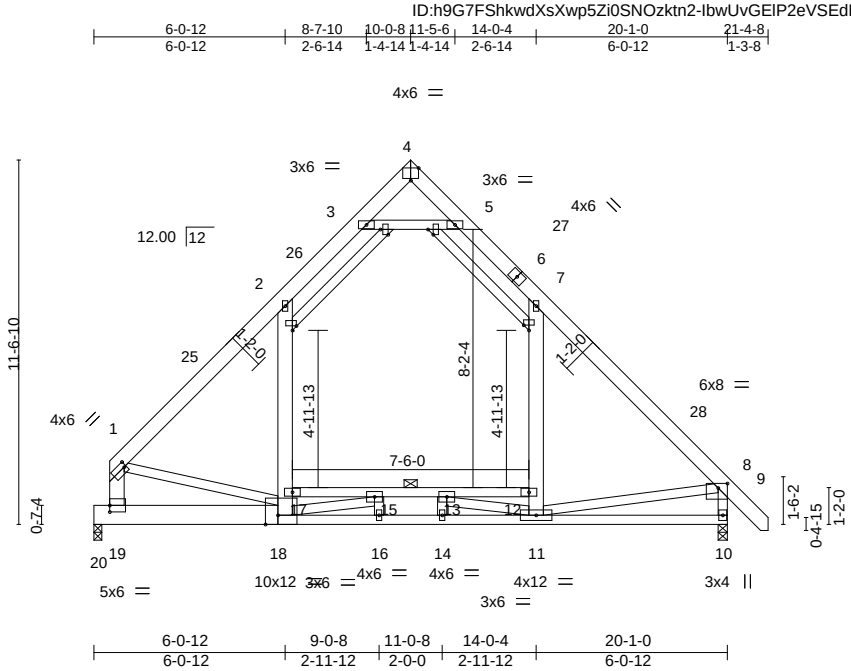

Plate Offsets (X,Y)-- [1:0-0-12,0-2-0], [4:0-3-0,Edge], [8:0-3-8,0-1-12], [18:0-4-12,Edge], [19:0-0-0,0-2-8], [21:0-2-0,Edge], [22:0-1-8,0-1-12], [23:0-2-0,Edge], [24:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	0.19	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.22	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Attic	-0.06	12-17	1680	360	Weight: 201 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
21-22,23-24: 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
18-20: 2x8 SP DSS
WEBS 2x4 SP No.3 *Except*
7-11,2-18,1-19: 2x6 SP No.2, 3-5,8-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
5-8-0 oc bracing: 12-17

REACTIONS. (size) 20=0-3-0, 10=0-3-8
Max Horz 20=-519(LC 8)
Max Uplift 20=-143(LC 13), 10=-190(LC 13)
Max Grav 20=1167(LC 21), 10=1240(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1332/229, 2-3=-819/332, 3-4=-176/448, 4-5=-182/448, 5-7=-826/331, 7-8=-1306/207, 1-19=-1197/208, 8-10=-1180/334
BOT CHORD 19-20=-505/519, 18-19=-459/844, 16-18=0/1861, 14-16=0/1861, 11-14=0/1861, 10-11=-228/464, 15-17=-435/476, 13-15=-1061/0, 12-13=-522/483
WEBS 11-12=-15/347, 7-12=0/547, 17-18=-124/472, 2-17=0/579, 3-5=-1667/625, 1-18=-97/523, 8-11=-93/719, 15-18=-1304/210, 11-13=-1258/283

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-8-12 to 3-8-12, Interior(1) 3-8-12 to 10-0-8, Exterior(2) 10-0-8 to 13-0-8, Interior(1) 13-0-8 to 21-3-1 zone; cantilever right exposed ; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 5-7, 3-5; Wall dead load (5.0psf) on member(s).7-12, 2-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17, 13-15, 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=143, 10=190.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Attic room checked for L/360 deflection.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C01	GABLE	8	1	I42605374
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:52 2020 Page 1
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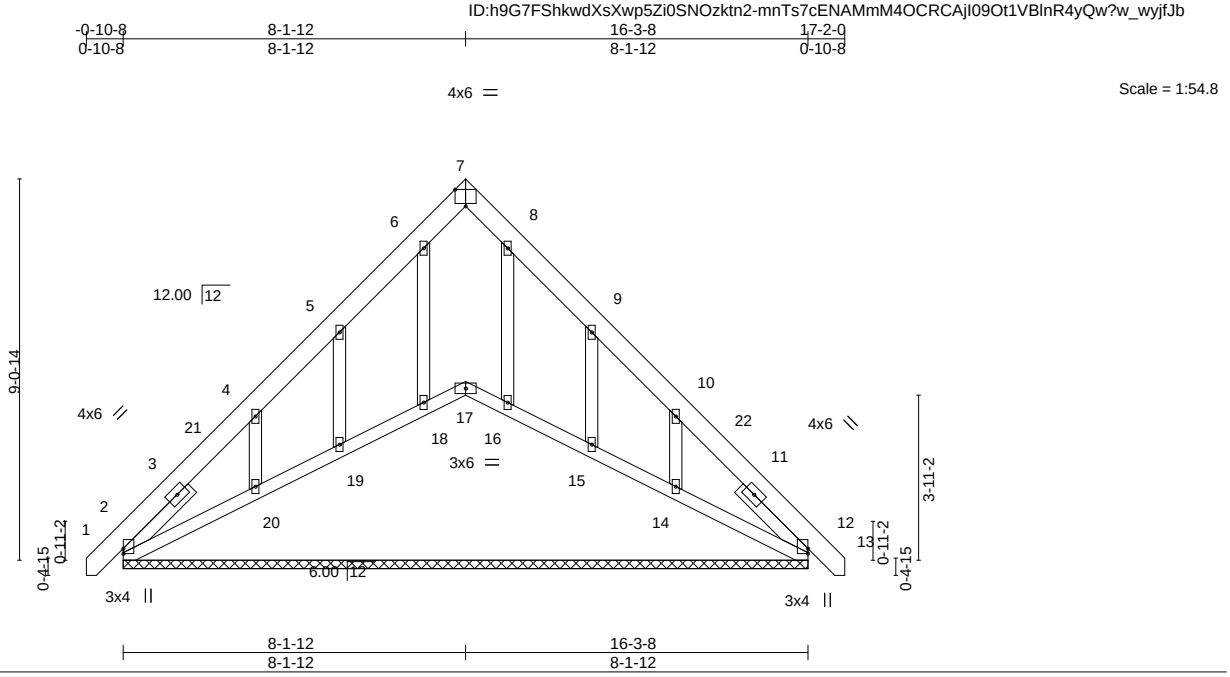

Plate Offsets (X,Y)-- [2:Edge,0-0-0], [7:0-3-0,Edge], [12:Edge,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 121 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-3-0, Right 2x4 SP No.3 2-3-0

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 16-3-8.
(lb) - Max Horz 2=-396(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12, 18 except 2=-279(LC 8), 17=-143(LC 11), 19=-219(LC 12), 20=-445(LC 12), 15=-238(LC 13), 14=-424(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 18, 19, 16, 15 except 2=362(LC 20), 17=333(LC 13), 20=360(LC 19), 14=337(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-403/322, 5-6=-281/330, 8-9=-282/275, 10-12=-311/191
BOT CHORD 2-20=-234/376, 19-20=-245/376, 18-19=-242/378, 17-18=-241/371, 16-17=-240/371, 15-16=-242/377, 14-15=-245/376, 12-14=-235/371
WEBS 5-19=-270/246, 4-20=-436/462, 9-15=-271/264, 10-14=-438/442

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-9-1 to 2-2-15, Interior(1) 2-2-15 to 8-1-12, Exterior(2) 8-1-12 to 11-1-15, Interior(1) 11-1-15 to 17-0-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 18 except (jt=lb) 2=279, 17=143, 19=219, 20=445, 15=238, 14=424.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 17, 18, 19, 20, 16, 15, 14.
11) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C02	SCISSORS	8	1	I42605375
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:53 2020 Page 1
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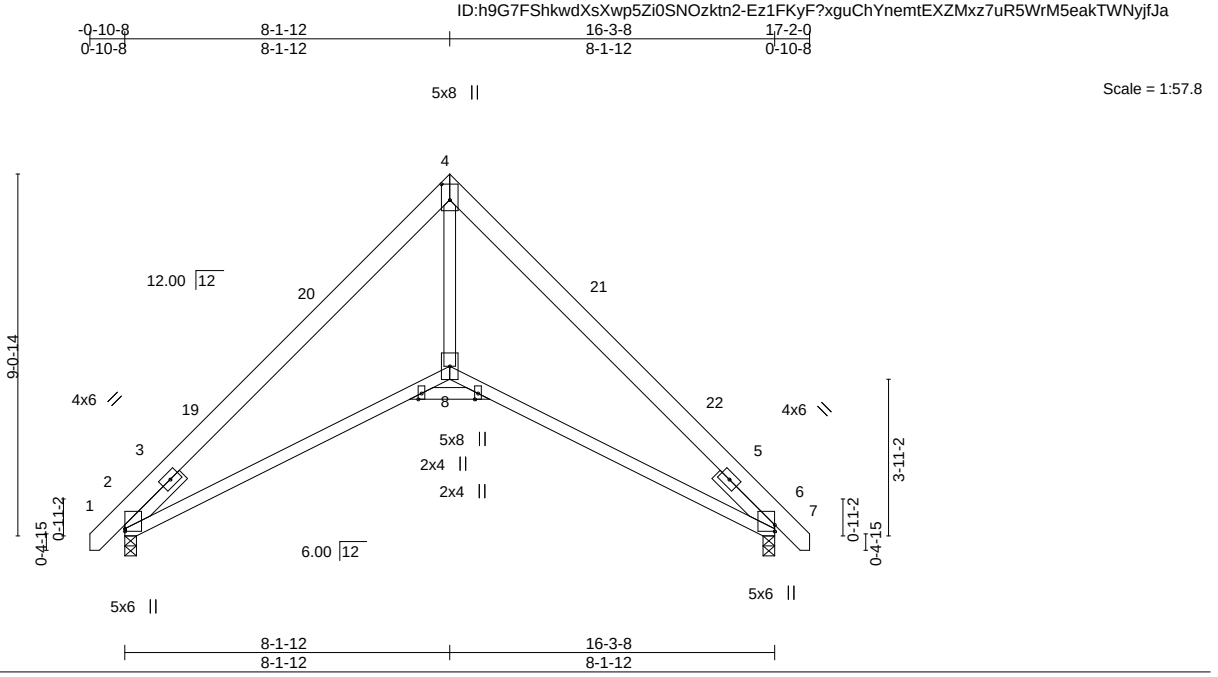

Plate Offsets (X,Y)-- [2:Edge,0-0-0], [4:0-4-12,0-2-8], [6:Edge,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	0.17	8-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.21	8-13	>952	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.15	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-0-0, Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-396(LC 10)
Max Uplift 2=-275(LC 12), 6=-275(LC 13)
Max Grav 2=697(LC 1), 6=697(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1031/280, 4-6=-1195/452
BOT CHORD 2-8=-203/977, 6-8=-187/969
WEBS 4-8=-90/989

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-9-1 to 2-2-15, Interior(1) 2-2-15 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 17-0-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=275, 6=275.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C03	SCISSORS	40	1	I42605376
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:54 2020 Page 1
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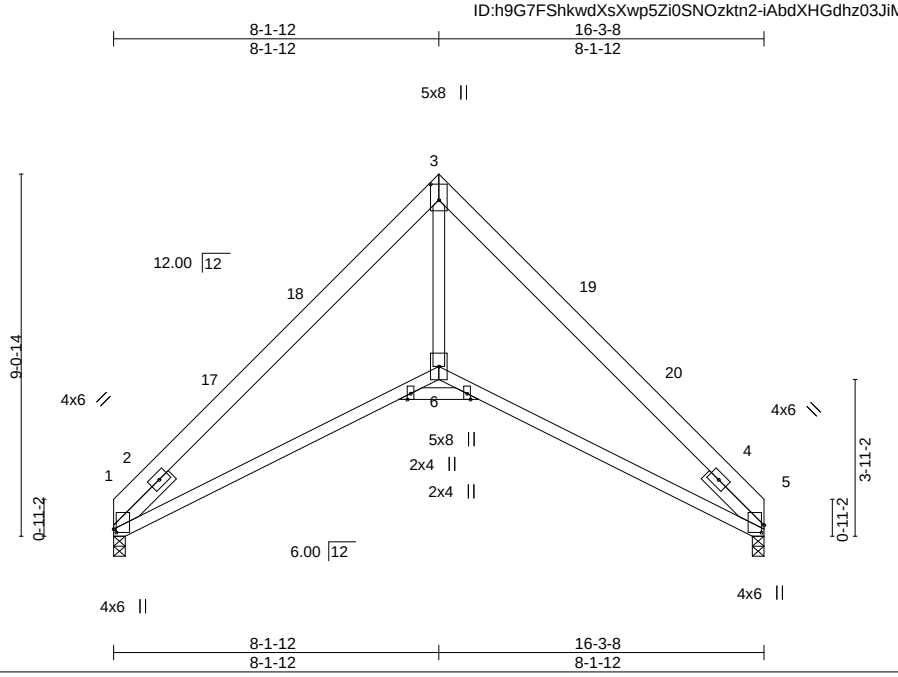

Plate Offsets (X,Y)-- [1:0-1-0,0-0-12], [3:0-4-12,0-2-8], [5:0-0-0,0-0-0], [5:0-2-3,0-0-12]

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	0.51	Vert(LL)	0.17	6-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.21	6-11	>951	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.14	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 98 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-0-0, Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=362(LC 9)
Max Uplift 1=-257(LC 13), 5=-257(LC 12)
Max Grav 1=652(LC 1), 5=652(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1037/307, 3-5=-1179/480
BOT CHORD 1-6=-231/948, 5-6=-218/939
WEBS 3-6=-130/964

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 16-3-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=257, 5=257.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C04	COMMON GIRDER	10	2	I42605377
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:56 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-eYjNyzHuDbGnY?VCR?oEB?ZWy6RPj85XKYz87hyjfJX

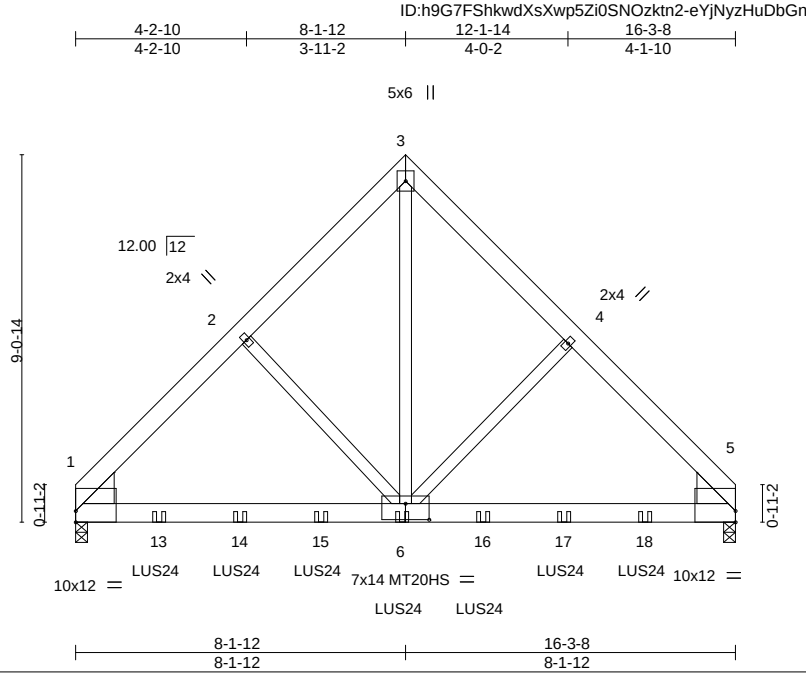

Plate Offsets (X,Y)-- [1:0-0-0,0-3-5], [5:0-0-0,0-3-6], [6:0-7-0,0-4-12]

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	0.34	Vert(LL)	0.14	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.20	6-12	>996	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS							Weight: 257 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2
WEDGE
Left: 2x10 SP No.2, Right: 2x10 SP No.2

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

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=362(LC 5)
Max Uplift 1=-1611(LC 9), 5=-1426(LC 8)
Max Grav 1=3392(LC 2), 5=3440(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3215/1562, 2-3=-3088/1607, 3-4=-3087/1595, 4-5=-3224/1556
BOT CHORD 1-6=-1194/2464, 5-6=-1018/2313
WEBS 2-6=-369/463, 3-6=-2033/4067, 4-6=-382/414

NOTES- (12)
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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1611, 5=1426.
9) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss(es) to back face of bottom chord.
10) Use Simpson Strong-Tie LUS24 (4-SD9112 Girder, 2-SD9212 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 12-0-12 from the left end to 14-0-12 to connect truss(es) to back face of bottom chord.
11) Fill all nail holes where hanger is in contact with lumber.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Continued on page 2

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 7-10=-20
   Concentrated Loads (lb)
   Vert: 6=-742(B) 13=-742(B) 14=-742(B) 15=-742(B) 16=-742(B) 17=-875(B) 18=-875(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C05	GABLE	2	1	I42605378
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:57 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-7kHlAJIW_uOeA94P?jJTjC6g2WpqSiWhZCihf8yjfJW

0-10-8 5-9-10 10-5-14 16-3-8 17-2-0
0-10-8 5-9-10 4-8-4 5-9-10 0-10-8

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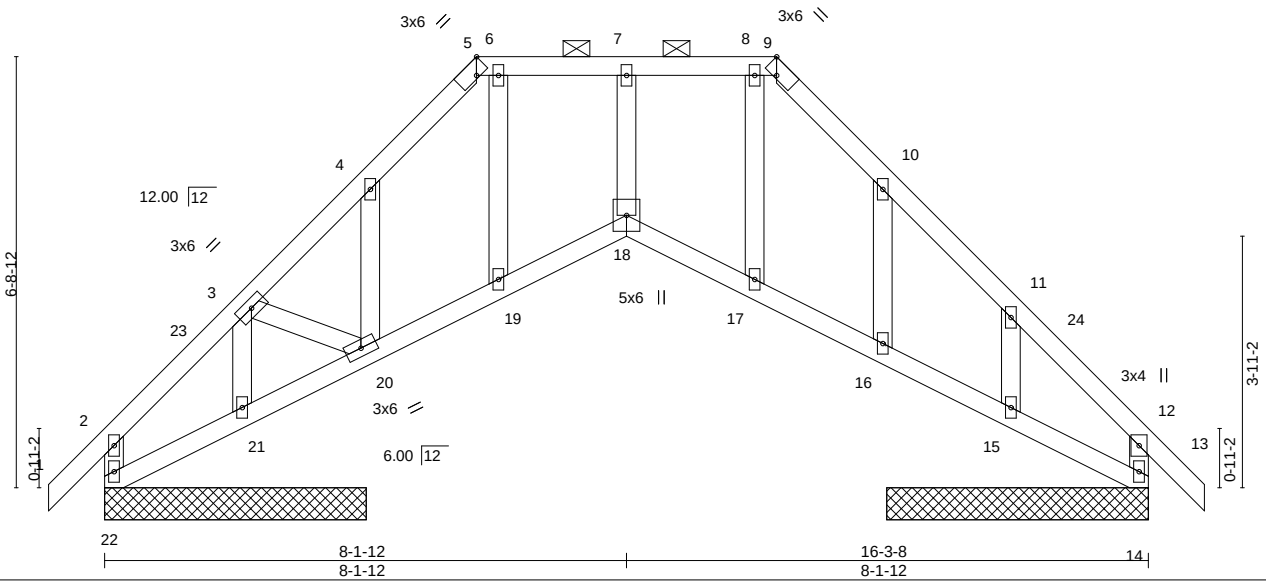

Plate Offsets (X,Y)-- [5:0-2-8,Edge], [9:0-2-8,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	0.20	18	>484	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.18	18	>524	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.20	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 93 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 4-1-0.
(lb) - Max Horz 22=350(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 22=-149(LC 13), 20=-597(LC 9), 21=-354(LC 13), 16=-159(LC 9), 15=-577(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 22, 14 except 20=726(LC 19), 21=412(LC 11), 16=597(LC 1), 15=366(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-264/270, 4-5=-270/246, 5-6=-242/252, 6-7=-242/252, 7-8=-242/252, 8-9=-242/252, 9-10=-270/238
BOT CHORD 21-22=-331/337, 20-21=-369/364, 15-16=-204/278
WEBS 4-20=-342/250, 3-21=-287/235, 10-16=-303/88, 11-15=-330/418

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-12, Interior(1) 2-1-12 to 5-9-10, Exterior(2) 5-9-10 to 10-1-12, Interior(1) 10-1-12 to 10-5-14, Exterior(2) 10-5-14 to 14-8-12, Interior(1) 14-8-12 to 17-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) 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) Bearing at joint(s) 22, 14, 20, 21, 16, 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 22=149, 20=597, 21=354, 16=159, 15=577.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C06	HIP	2	1	I42605379
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:58 2020 Page 1
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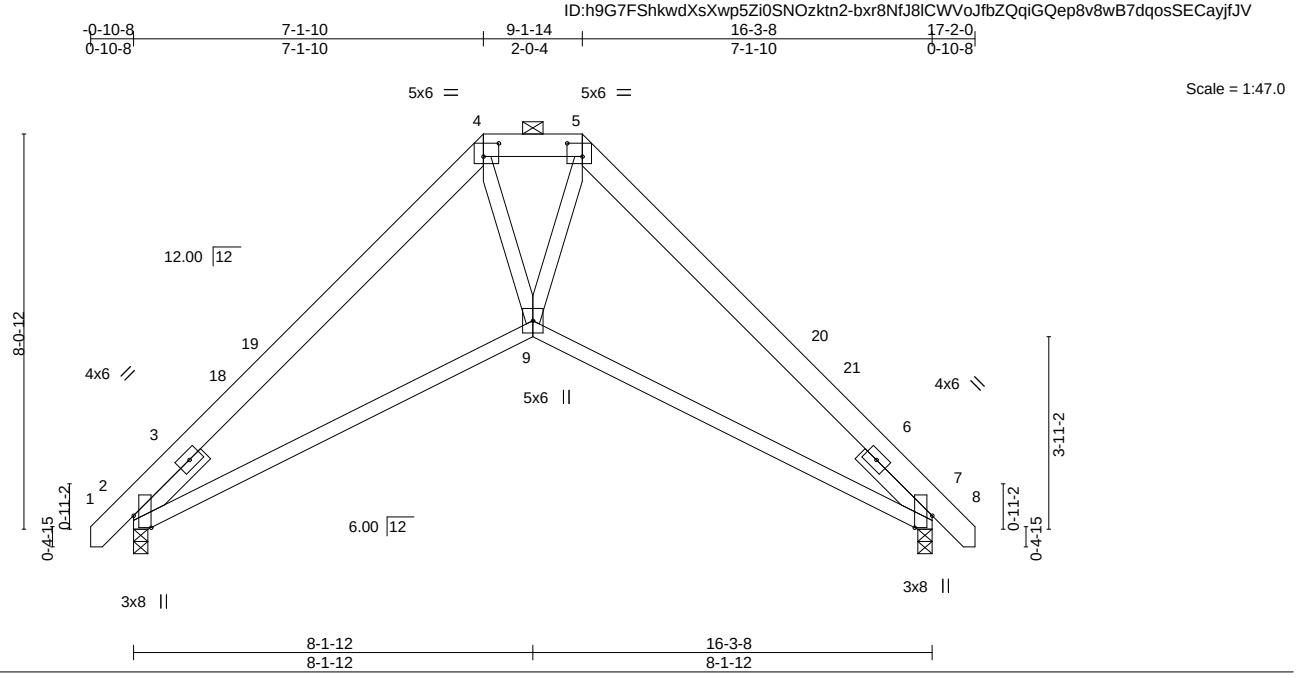

Plate Offsets (X,Y)-- [2:0-2-15,Edge], [4:0-3-12,0-3-4], [5:0-3-12,0-3-4], [7:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	0.15	9-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.18	9-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.14	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 103 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-0-0, Right 2x4 SP No.3 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 9-7-10 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-355(LC 10)
Max Uplift 2=-273(LC 12), 7=-273(LC 13)
Max Grav 2=697(LC 1), 7=697(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1031/306, 4-5=-935/413, 5-7=-1031/344
BOT CHORD 2-9=-340/929, 7-9=-172/806
WEBS 4-9=-36/443, 5-9=-338/664

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-9-1 to 2-2-15, Interior(1) 2-2-15 to 7-1-10, Exterior(2) 7-1-10 to 13-4-12, Interior(1) 13-4-12 to 17-0-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=273, 7=273.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C08	HIP	3	1	I42605380
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:55:59 2020 Page 1
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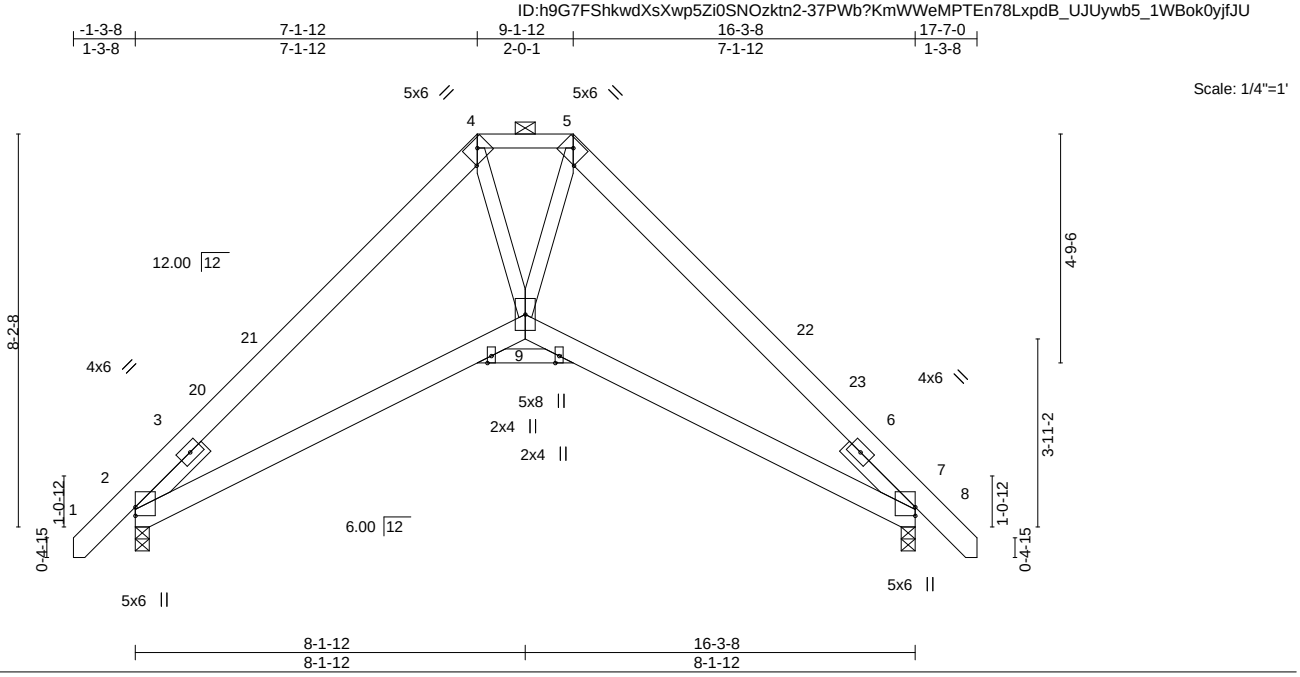

Plate Offsets (X,Y)-- [4:0-3-4,Edge], [5:0-3-4,Edge]

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	0.45	Vert(LL)	0.10	9-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.09	9-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 123 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 4-5: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 10-11: 2x4 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 6-0-0 oc purlins, except 2-0-0 oc purlins (5-7-2 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-377(LC 10)
Max Uplift 2=-292(LC 12), 7=-292(LC 13)
Max Grav 2=722(LC 1), 7=722(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1000/278, 4-5=-910/379, 5-7=-1000/333
BOT CHORD 2-9=-305/907, 7-9=-166/806
WEBS 4-9=0/410, 5-9=-265/615

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-2-1 to 1-9-15, Interior(1) 1-9-15 to 7-1-12, Exterior(2) 7-1-12 to 13-4-11, Interior(1) 13-4-11 to 17-5-9 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=292, 7=292.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C09	SCISSORS	20	1	I42605381
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:00 2020 Page 1
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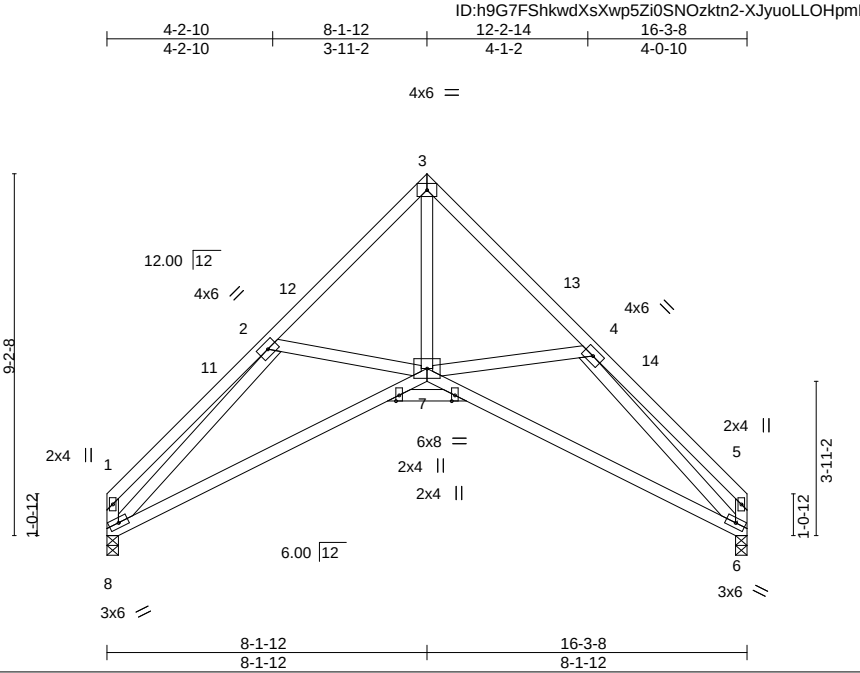

Scale = 1:58.6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	-0.14	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.29	6-7	>656	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.09	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	7	>999	240	Weight: 104 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-5 oc bracing.

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=-415(LC 8)
Max Uplift 8=-256(LC 13), 6=-256(LC 12)
Max Grav 8=640(LC 1), 6=640(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-447/229, 2-3=-969/348, 3-4=-978/410, 4-5=-415/197, 1-8=-431/247, 5-6=-400/216
BOT CHORD 7-8=-527/1110, 6-7=-318/862
WEBS 2-7=-387/444, 3-7=-360/1042, 4-7=-402/482, 2-8=-815/325, 4-6=-887/356

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 16-1-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 8, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=256, 6=256.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C10	COMMON GIRDER	5	2	I42605382

Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:01 2020 Page 1
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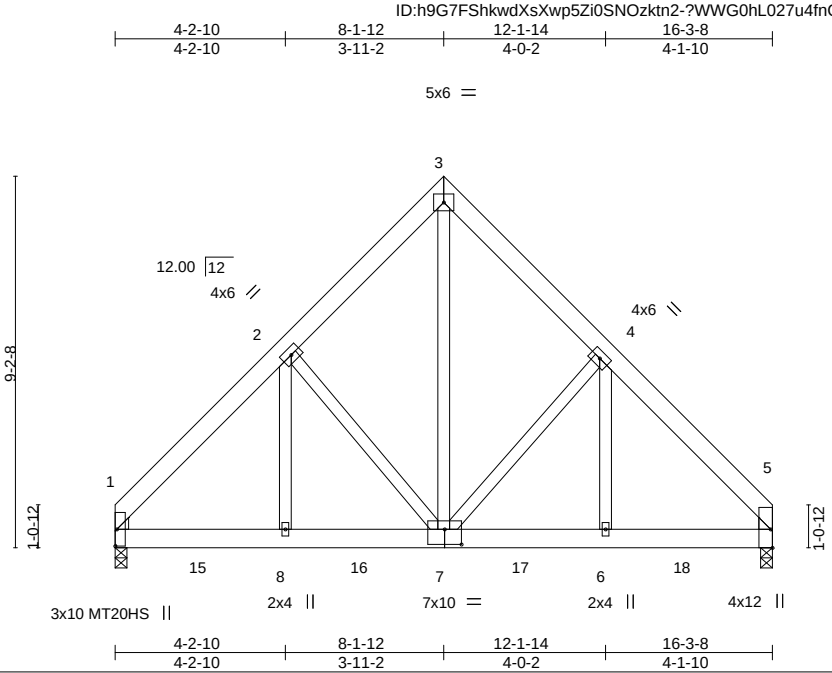

Plate Offsets (X,Y)-- [1:0-0-4,0-0-4], [1:0-0-8,0-2-13], [5:0-0-4,0-0-4], [5:Edge,0-0-8], [5:0-0-8,0-2-14], [7:0-5-0,0-4-8]

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	0.23	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.07	6-7	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 273 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

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

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-362(LC 4)
Max Uplift 1=-1569(LC 9), 5=-1690(LC 8)
Max Grav 1=3373(LC 2), 5=4336(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3714/1792, 2-3=-2641/1435, 3-4=-2655/1439, 4-5=-3806/1684
BOT CHORD 1-8=-1289/2649, 7-8=-1289/2649, 6-7=-1067/2573, 5-6=-1067/2573
WEBS 2-8=-656/1438, 2-7=-1089/801, 3-7=-1777/3390, 4-7=-1156/669, 4-6=-475/1534

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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1569, 5=1690.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 792 lb down and 364 lb up at 2-0-12, 799 lb down and 407 lb up at 4-0-12, 799 lb down and 407 lb up at 6-0-12, 799 lb down and 407 lb up at 8-0-12, 799 lb down and 407 lb up at 10-0-12, 875 lb down and 274 lb up at 12-0-12, and 875 lb down and 274 lb up at 14-0-12, and 883 lb down and 267 lb up at 16-3-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 9-12=-20
   Concentrated Loads (lb)
   Vert: 8=-742(B) 7=-742(B) 6=-875(B) 12=-883(B) 15=-742(B) 16=-742(B) 17=-742(B) 18=-875(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C11	GABLE	3	1	I42605383
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:03 2020 Page 1
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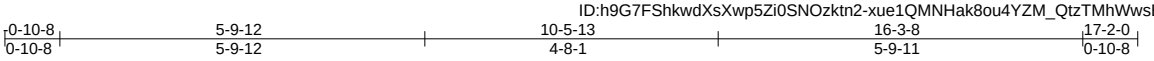

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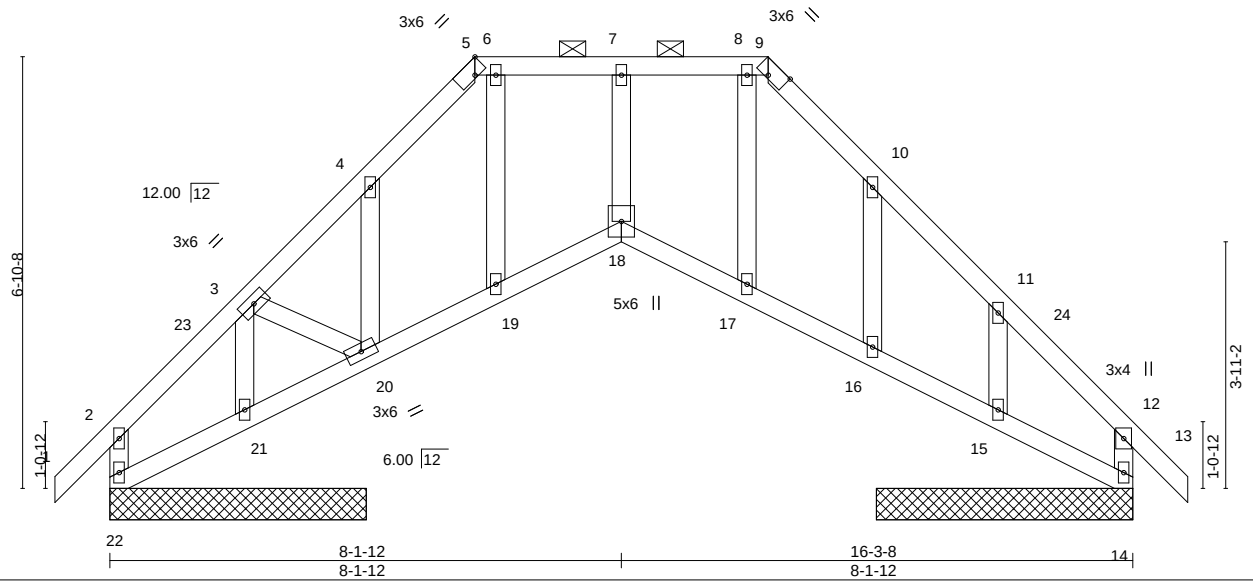

Plate Offsets (X,Y)-- [5:0-2-8,Edge], [9:0-3-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	0.20	18	>476	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.18	18	>524	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.21	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 95 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. All bearings 4-1-0.
(lb) - Max Horz 22=-359(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 22=-149(LC 13), 20=-629(LC 9), 21=-374(LC 13), 16=-164(LC 9), 15=-589(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 22, 14 except 20=754(LC 19), 21=459(LC 11), 16=597(LC 1), 15=378(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-275/292, 4-5=-287/268, 5-6=-257/270, 6-7=-257/270, 7-8=-257/270, 8-9=-258/271, 9-10=-288/259
BOT CHORD 21-22=-351/352, 20-21=-390/380, 15-16=-199/263
WEBS 4-20=-345/251, 3-21=-330/253, 10-16=-303/77, 11-15=-337/424, 3-20=-229/267

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-12, Interior(1) 2-1-12 to 5-9-12, Exterior(2) 5-9-12 to 10-1-12, Interior(1) 10-1-12 to 10-5-13, Exterior(2) 10-5-13 to 14-8-12, Interior(1) 14-8-12 to 17-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) 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) Bearing at joint(s) 22, 14, 20, 21, 16, 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 22=149, 20=629, 21=374, 16=164, 15=589.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C12	SCISSORS	1	1	I42605384
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:05 2020 Page 1
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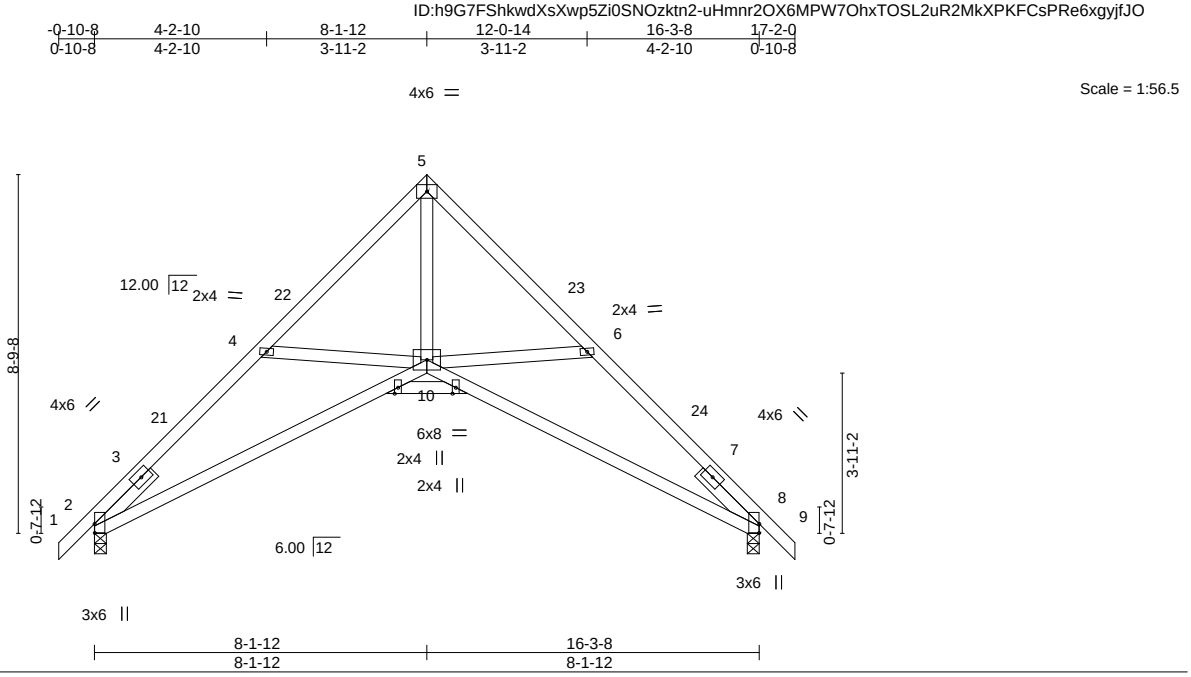

Plate Offsets (X,Y)-- [2:0-2-10,0-0-1], [6:0-0-0,0-0-0], [8:0-2-10,0-0-1], [8:0-0-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.09	10-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.20	10-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	10-15	>999	240	Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 4-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-7 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-401(LC 10)
Max Uplift 2=-284(LC 12), 8=-284(LC 13)
Max Grav 2=704(LC 1), 8=704(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1362/615, 4-5=-1025/343, 5-6=-1063/411, 6-8=-1369/513
BOT CHORD 2-10=-574/1304, 8-10=-276/1030
WEBS 4-10=-501/480, 5-10=-343/1150, 6-10=-493/510

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 17-2-0 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) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=284, 8=284.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C13	SCISSORS	8	1	I42605385
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:07 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-qgtXGkQnezfDNirKbpUp7JWOlYDto9c9sl7D0ZyjfJM

4-2-10	8-1-12	12-0-14	16-3-8
4-2-10	3-11-2	3-11-2	4-2-10

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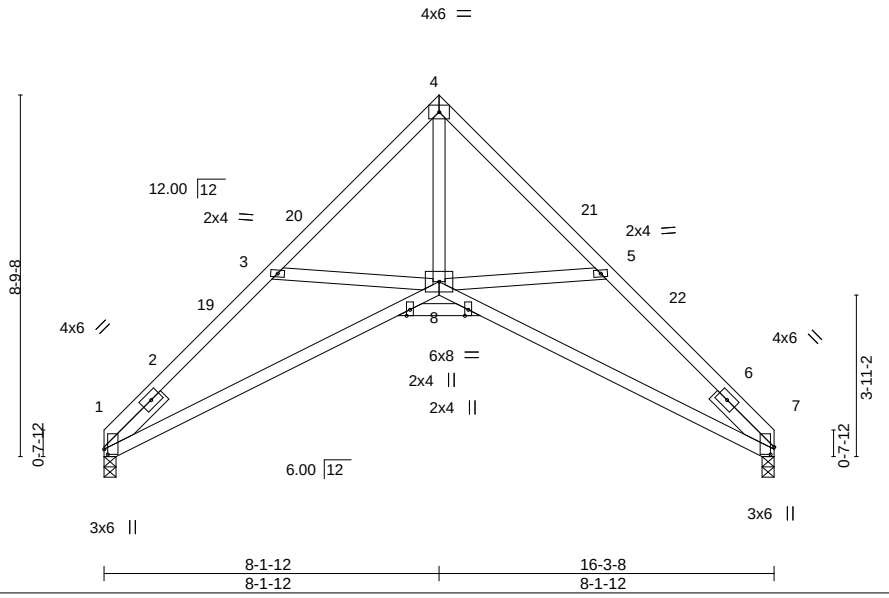

Plate Offsets (X,Y)-- [1:0-1-8,0-1-1], [5:0-0-0,0-0-0], [7:0-2-2,0-1-1], [7:0-0-0,0-0-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.09	8-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.20	8-13	>994	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	8-13	>999	240	Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 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 4-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing.

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=362(LC 9)
Max Uplift 1=-254(LC 13), 7=-254(LC 12)
Max Grav 1=652(LC 1), 7=652(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1323/653, 3-4=-984/380, 4-5=-1045/448, 5-7=-1323/549
BOT CHORD 1-8=-633/1276, 7-8=-333/951
WEBS 3-8=-494/482, 4-8=-395/1125, 5-8=-495/508

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 16-3-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=254, 7=254.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C14	COMMON GIRDER	2	2	I42605386

Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:09 2020 Page 1
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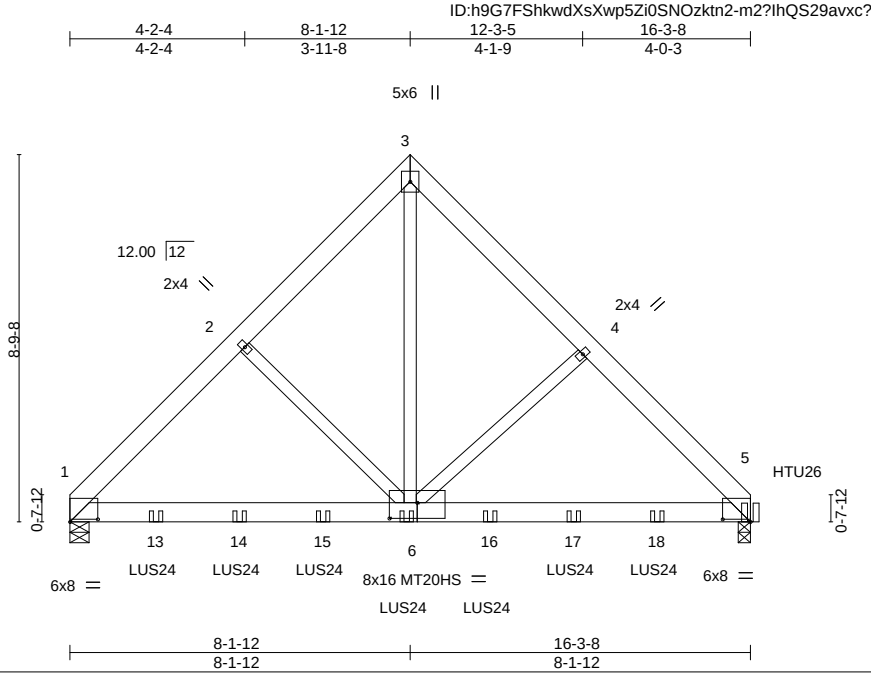

Plate Offsets (X,Y)-- [1:0-8-0,0-0-12], [5:0-8-0,0-0-12], [6:0-8-0,0-4-8]

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	0.63	Vert(LL)	0.15	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.20	6-9	>981	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 243 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-5-8, 5=0-3-8
Max Horz 1=-362(LC 4)
Max Uplift 1=-1565(LC 9), 5=-1682(LC 8)
Max Grav 1=3378(LC 2), 5=4330(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3284/1586, 2-3=-3149/1614, 3-4=-3266/1654, 4-5=-3403/1623
BOT CHORD 1-6=-1256/2602, 5-6=-1100/2536
WEBS 3-6=-2086/4271, 4-6=-529/462, 2-6=-528/528

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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1565, 5=1682.
9) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 10-0-12 to connect truss(es) to back face of bottom chord.
10) Use Simpson Strong-Tie LUS24 (4-SD9112 Girder, 2-SD9212 Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 12-0-12 from the left end to 14-0-12 to connect truss(es) to back face of bottom chord.
11) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent at 16-3-8 from the left end to connect truss(es) to back face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 7-10=-20
   Concentrated Loads (lb)
   Vert: 6=-742(B) 10=-883(B) 13=-742(B) 14=-742(B) 15=-742(B) 16=-742(B) 17=-875(B) 18=-875(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C15	GABLE	1	1	I42605387
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:11 2020 Page 1
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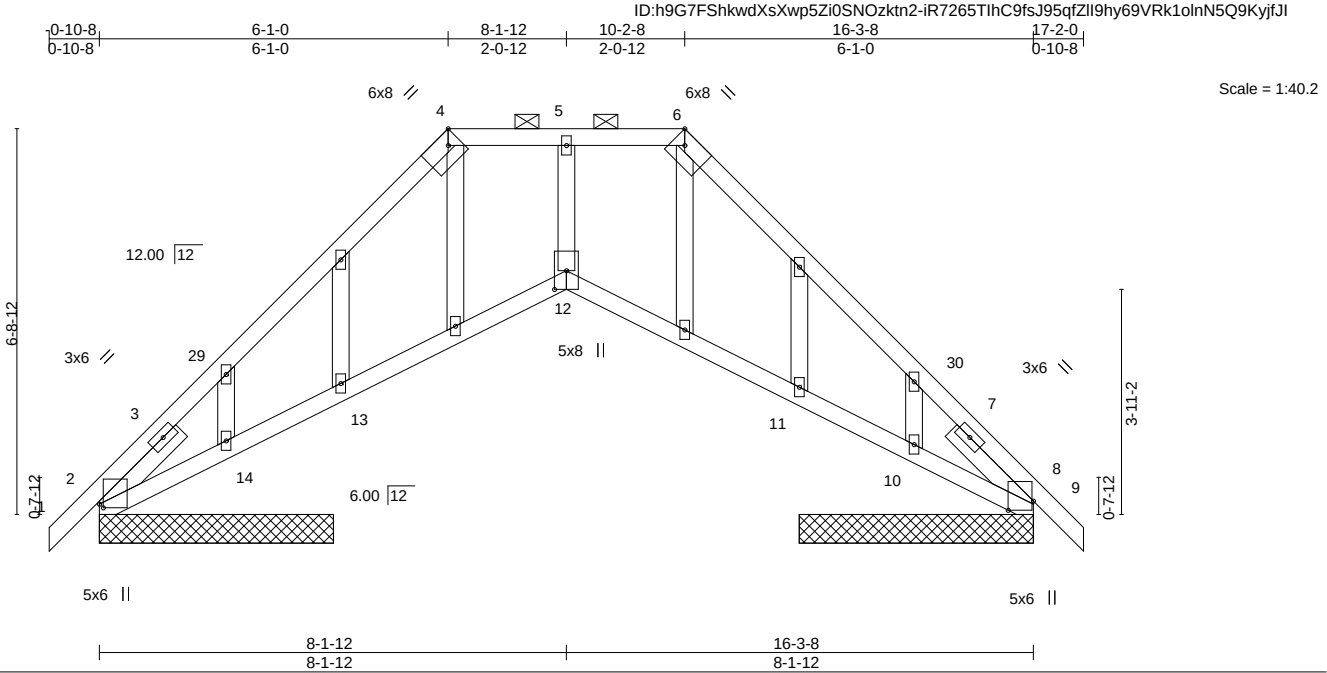

Plate Offsets (X,Y)-- [2:0-0-12,0-0-13], [4:0-2-8,Edge], [6:0-2-8,Edge], [8:0-1-15,Edge], [12:0-3-15,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	0.22	12	>434	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.25	12	>374	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.27	25	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 93 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-15 oc purlins, except 2-0-0 oc purlins (5-5-7 max.): 4-6.
BOT CHORD	Rigid ceiling directly applied or 7-10-7 oc bracing.

REACTIONS. All bearings 4-1-0.
(lb) - Max Horz 2=-312(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-238(LC 8), 8=-222(LC 9), 14=-524(LC 12), 11=-119(LC 9), 10=-645(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=457(LC 1), 8=453(LC 1), 13=312(LC 22), 14=333(LC 10), 11=373(LC 22), 10=492(LC 11), 2=457(LC 1), 8=453(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1015/818, 4-5=-534/373, 5-6=-533/373, 6-8=-1100/928
BOT CHORD 2-14=-391/627, 13-14=-266/646, 12-13=-260/541, 11-12=-257/542, 10-11=-321/673, 8-10=-168/513
WEBS 5-12=-103/383

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-1-0, Exterior(2) 6-1-0 to 14-5-7, Interior(1) 14-5-7 to 17-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 2, 8, 13, 14, 11, 10, 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 2, 222 lb uplift at joint 8, 524 lb uplift at joint 14, 119 lb uplift at joint 11, 645 lb uplift at joint 10, 238 lb uplift at joint 2 and 222 lb uplift at joint 8.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C16	Hip	1	1	I42605388
					Job Reference (optional)

Builders First Source, Sumter SC

8.240 s Apr 4 2020 MiTek Industries, Inc. Thu Aug 27 14:58:45 2020 Page 1

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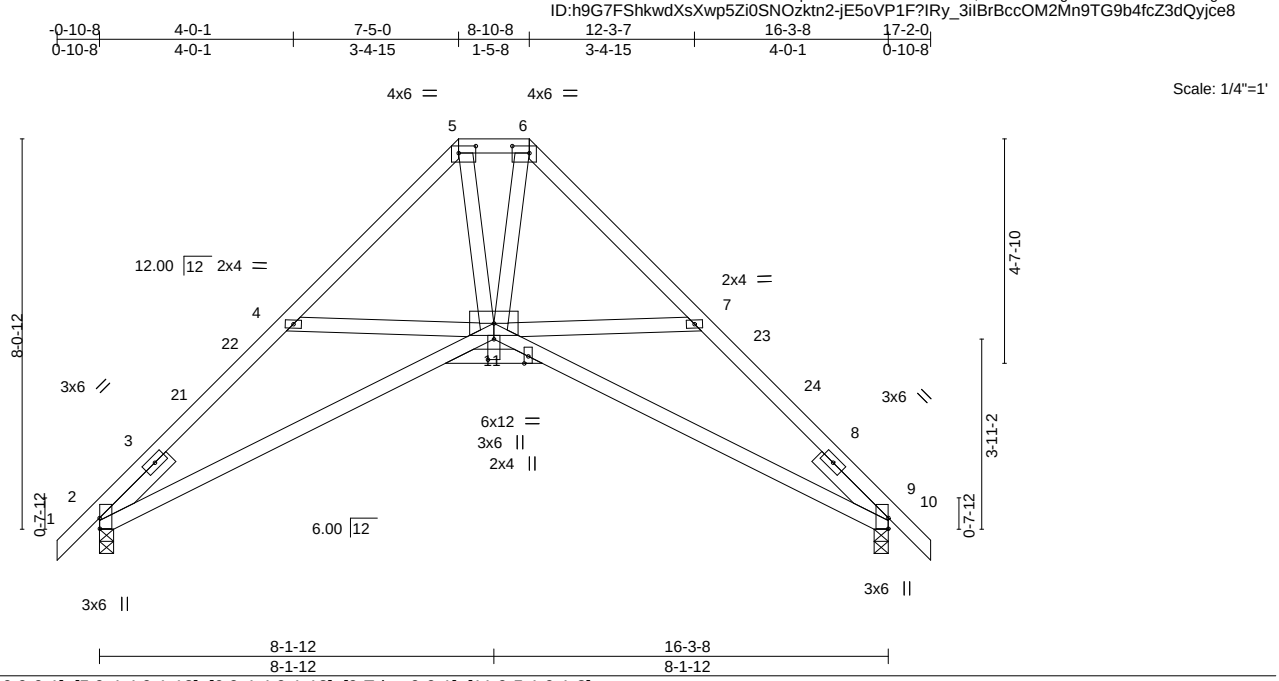

Plate Offsets (X,Y)-- [2:0-2-10,0-0-1], [5:0-4-4,0-1-12], [6:0-4-4,0-1-12], [9:Edge,0-0-1], [11:0-5-1,0-1-8]

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	0.30	Vert(LL)	-0.09	11-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.19	11-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.05	11-15	>999	240	Weight: 97 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 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 5-0-7 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 7-11-9 oc bracing.

REACTIONS. (lb/size) 2=704/0-3-8, 9=704/0-3-8
Max Horz 2=-371(LC 10)
Max Uplift 2=-282(LC 12), 9=-282(LC 13)

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

TOP CHORD	2-3=-888/219, 3-21=-1314/578, 21-22=-1313/578, 4-22=-1294/592, 4-5=-966/314, 5-6=-847/342, 6-7=-966/351, 7-23=-1300/493, 23-24=-1320/488, 8-24=-1321/471, 8-9=-904/149
BOT CHORD	2-11=-537/1229, 9-11=-244/997
WEBS	4-11=-495/455, 5-11=-83/524, 6-11=-195/606, 7-11=-486/482

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 7-5-0, Exterior(2) 7-5-0 to 13-1-7, Interior(1) 13-1-7 to 17-2-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) All bearings are assumed to be User Defined crushing capacity of 565 psi.
7) Bearing at joint(s) 2, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 282 lb uplift at joint 2 and 282 lb uplift at joint 9.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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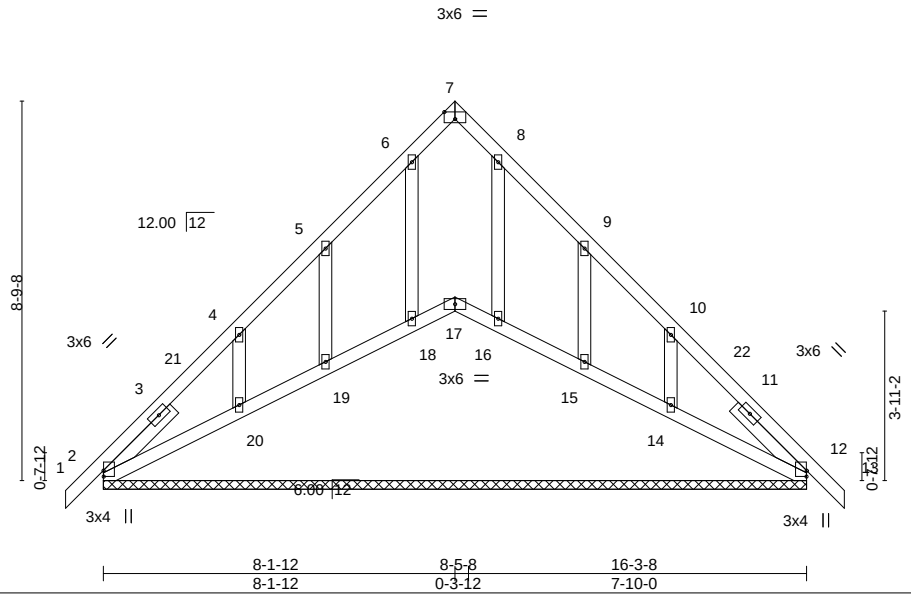
Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C17	GABLE	1	1	I42605389
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:15 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-bCMZyTWolQf5KwSs3VdhS?rIPm1?gqvKi?3eI5yjfJE

-0-10-8 8-1-12 12-2-14 16-3-8 17-2-0
0-10-8 8-1-12 4-1-2 4-0-10 0-10-8

Scale = 1:53.4



8-1-12 8-5-8 16-3-8
8-1-12 0-3-12 7-10-0

Plate Offsets (X,Y)-- [2:0-1-10,0-0-1], [7:0-3-0,Edge], [12:0-1-10,0-0-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 98 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 2-2-10, Right 2x4 SP No.3 2-3-5

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-7 oc bracing.

REACTIONS. All bearings 16-3-8.
(lb) - Max Horz 2=401(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12, 18, 16 except 2=-239(LC 8), 17=-170(LC 11), 19=-209(LC 12), 20=-431(LC 12), 15=-222(LC 13), 14=-420(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 12, 18, 19, 16, 15 except 2=339(LC 20), 17=436(LC 13), 20=345(LC 19), 14=334(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-486/304, 10-12=-441/313
BOT CHORD 2-20=-332/489, 19-20=-348/493, 18-19=-338/492, 17-18=-340/487, 16-17=-339/487, 15-16=-338/491, 14-15=-347/495, 12-14=-334/486
WEBS 5-19=-263/243, 4-20=-431/432, 9-15=-266/255, 10-14=-432/423

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 17-2-0 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) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 18, 16 except (jt=lb) 2=239, 17=170, 19=209, 20=431, 15=222, 14=420.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 17, 18, 19, 20, 16, 15, 14.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C18	Scissor	2	1	I42605390
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:17 2020 Page 1
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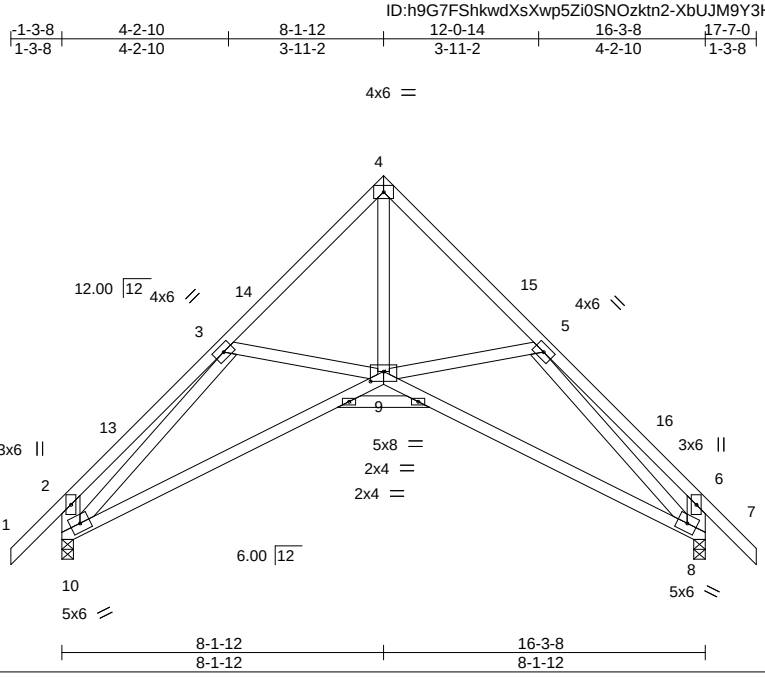

Plate Offsets (X,Y)-- [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.10	9-10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.21	9-10	>911	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	9	>999	240	Weight: 112 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 2-10,6-8: 2x6 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied.

REACTIONS. (size) 10=0-3-8, 8=0-3-8
Max Horz 10=481(LC 11)
Max Uplift 10=-302(LC 12), 8=-302(LC 13)
Max Grav 10=725(LC 1), 8=725(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-531/269, 3-4=-1027/280, 4-5=-1028/348, 5-6=-551/238, 2-10=-603/358, 6-8=-577/350
BOT CHORD 9-10=-461/1122, 8-9=-143/953
WEBS 4-9=-258/1118, 5-9=-370/455, 3-9=-377/420, 3-10=-757/204, 5-8=-841/227

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 1-8-8, Interior(1) 1-8-8 to 8-1-12, Exterior(2) 8-1-12 to 11-1-12, Interior(1) 11-1-12 to 17-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 10, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=302, 8=302.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	C19	GABLE	2	1	I42605391
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:19 2020 Page 1
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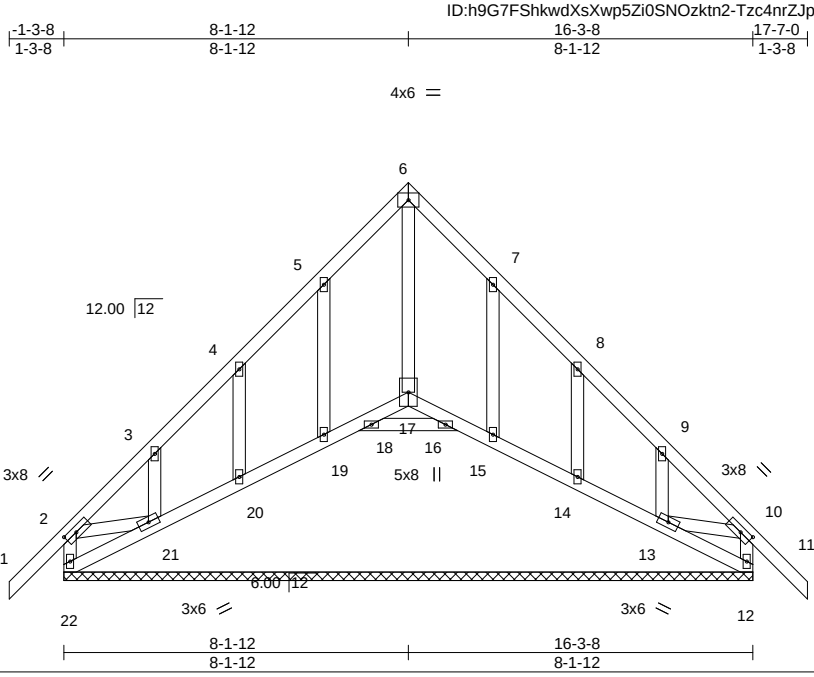

Plate Offsets (X,Y)-- [2:0-3-7,0-1-8], [10:0-3-7,0-1-8]

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	0.32	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 110 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 *Except* 16-18: 2x4 SP No.2

BRACING-

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

REACTIONS. All bearings 16-3-8.
(lb) - Max Horz 22=479(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 22=-302(LC 8), 19=-317(LC 12), 20=-232(LC 12), 21=-395(LC 12), 15=-362(LC 13), 14=-233(LC 13), 13=-390(LC 13), 18=-141(LC 11), 16=-141(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 12, 19, 20, 15, 14 except 22=397(LC 20), 21=276(LC 10), 13=265(LC 11), 18=442(LC 13), 16=442(LC 13)

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

TOP CHORD	2-3=-437/292, 3-4=-257/174, 9-10=-424/306
BOT CHORD	21-22=-489/487, 20-21=-405/514, 19-20=-400/504, 18-19=-452/577, 17-18=-299/370, 16-17=-299/370, 15-16=-452/577, 14-15=-400/504, 13-14=-406/514
WEBS	4-20=-272/273, 3-21=-289/232, 7-15=-251/224, 8-14=-280/277, 9-13=-294/227, 2-21=-282/395, 10-13=-280/393

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-8 to 1-8-8, Exterior(2) 1-8-8 to 8-1-12, Corner(3) 8-1-12 to 11-1-12, Exterior(2) 11-1-12 to 17-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 12 except (jt=lb) 22=302, 19=317, 20=232, 21=395, 15=362, 14=233, 13=390, 18=141, 16=141.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 19, 20, 21, 15, 14, 13, 18, 16.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D01	GABLE	12	1	I42605392
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:20 2020 Page 1
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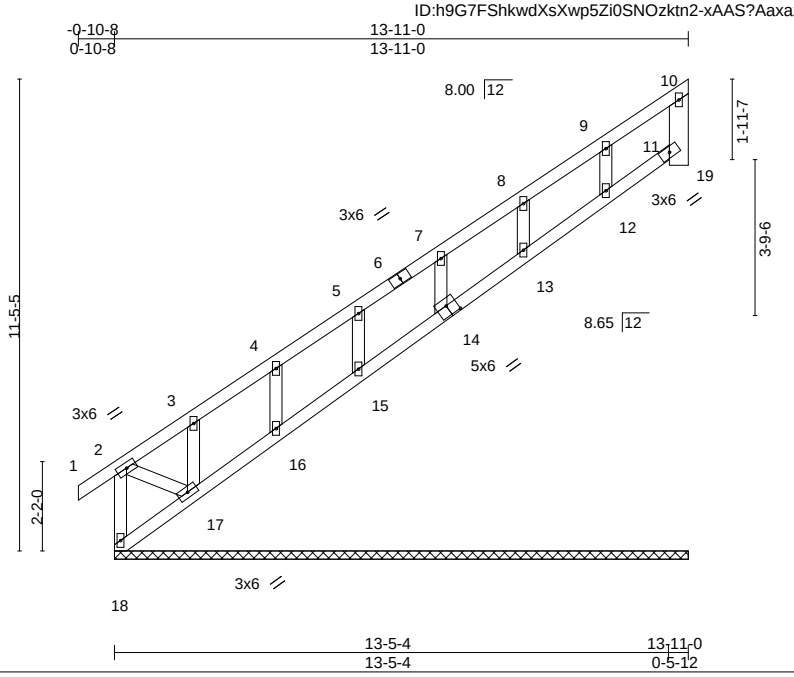


Scale = 1:55.9

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 74 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
10-19: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18,11-12.

REACTIONS. All bearings 13-11-0.
(lb) - Max Horz 18=559(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 18=-362(LC 10), 12=-101(LC 12), 13=-160(LC 12), 14=-160(LC 12), 15=-142(LC 12), 16=-163(LC 12), 17=-743(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 13, 14, 15, 16 except 18=870(LC 12), 17=432(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-446/364, 2-3=-590/509, 3-4=-490/437, 4-5=-374/342, 5-7=-267/257
BOT CHORD 17-18=-831/830
WEBS 2-17=-582/606

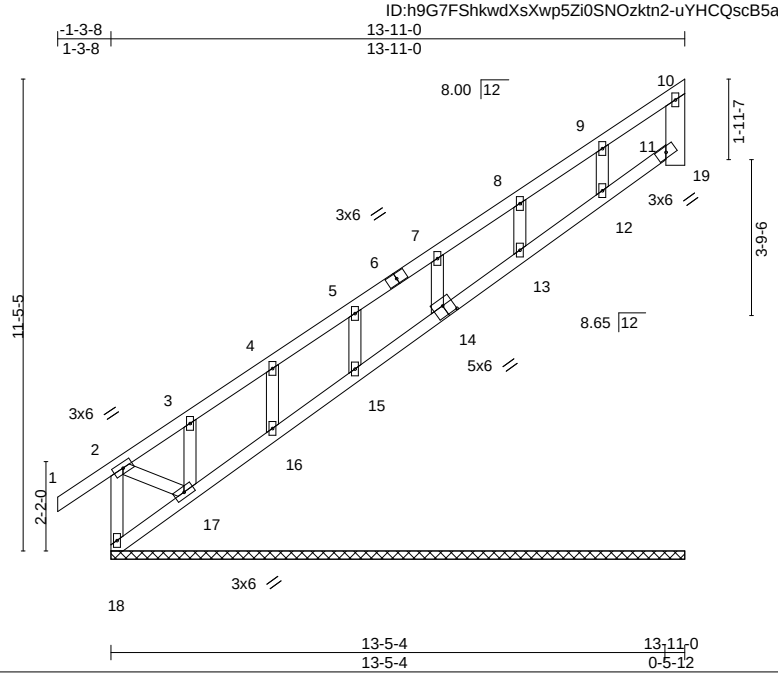
NOTES- (12)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 1-11-0, Interior(1) 1-11-0 to 13-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 19, 11, 12, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 18=362, 12=101, 13=160, 14=160, 15=142, 16=163, 17=743.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 19, 11, 12, 13, 14, 15, 16, 17.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D01A	GABLE	5	1	I42605393
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:22 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-uYHCQscB5aY5g?VCzTFKEUe_IbQtp_GMJbGW2ByjfJ7



Scale = 1:55.9

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

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	0.22	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 75 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
10-19: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-11-13 oc bracing: 17-18
6-0-0 oc bracing: 11-12.

REACTIONS. All bearings 13-11-0.
(lb) - Max Horz 18=576(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 18=-339(LC 10), 12=-101(LC 12), 13=-160(LC 12), 14=-160(LC 12), 15=-142(LC 12), 16=-167(LC 12), 17=-735(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 13, 14, 15, 16 except 18=845(LC 12), 17=422(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-480/379, 2-3=-611/505, 3-4=-532/446, 4-5=-414/349, 5-7=-312/265
BOT CHORD 17-18=-986/855
WEBS 2-17=-592/726

NOTES- (12)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-8 to 1-11-0, Exterior(2) 1-11-0 to 13-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Bearing at joint(s) 19, 11, 12, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 18=339, 12=101, 13=160, 14=160, 15=142, 16=167, 17=735.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 19, 11, 12, 13, 14, 15, 16, 17.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D02	Monopitch	108	1	I42605394
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:24 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-qxPzqYdSdBopvJeb4uIoJvj9JO?tHnufmulc64yjfJ5

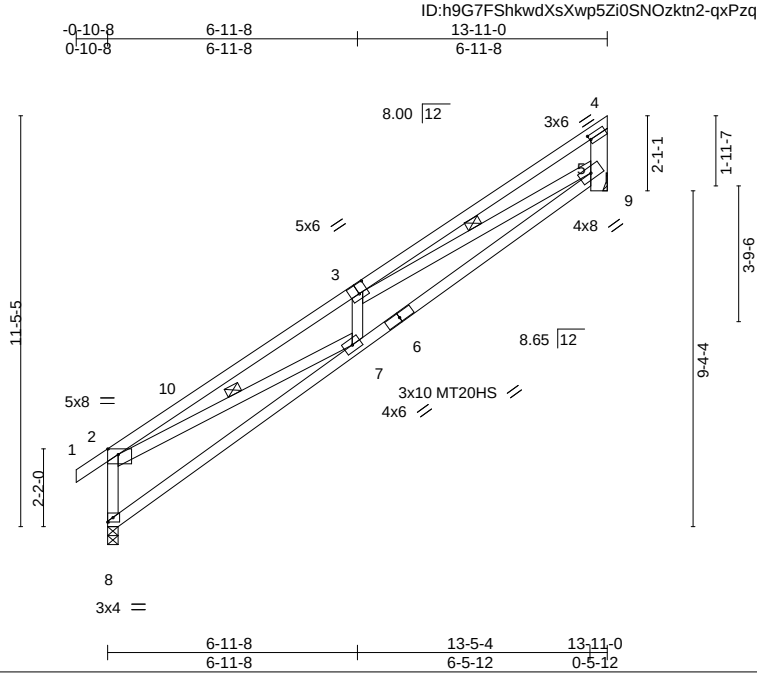


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-3-0,0-3-4], [4:0-0-6,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	0.24	7	>683	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.19	7-8	>837	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	-0.06	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 83 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-7, 3-5

REACTIONS. (size) 8=0-3-8, 9=Mechanical
Max Horz 8=619(LC 12)
Max Uplift 8=-54(LC 12), 9=-609(LC 12)
Max Grav 8=605(LC 1), 9=686(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-933/616, 2-3=-2291/1366, 3-4=-369/106, 5-9=-898/609
BOT CHORD 7-8=-930/971, 5-7=-1959/2787
WEBS 2-7=-921/1690, 3-7=-326/343, 3-5=-2090/1483

NOTES- (9)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-8-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 9=609.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D02A	MONOPITCH	45	1	I42605395
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:25 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-I7zL2ue4OVwgXTDnebp1s6GJJoL80EBp?YUAfWyjfJ4

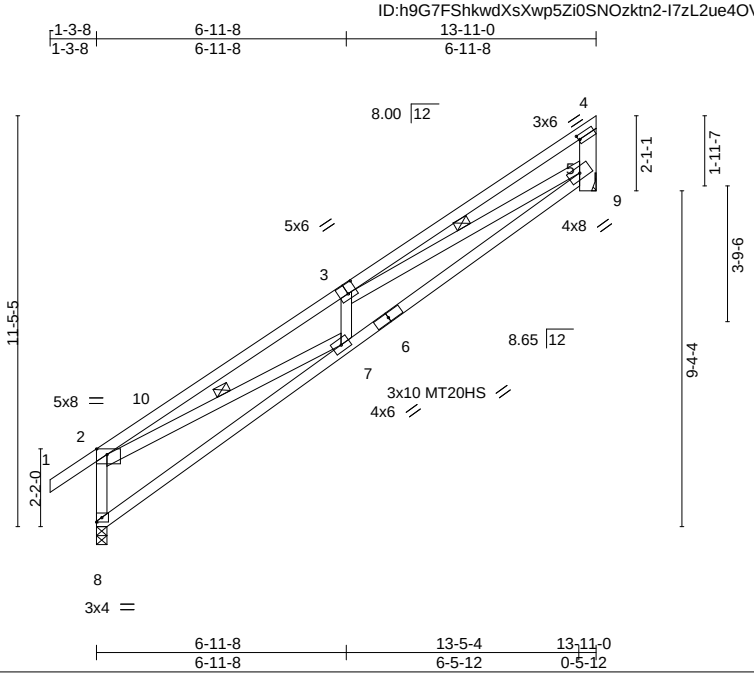


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-3-0,0-3-4], [4:0-0-6,0-1-8]

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	1.00	Vert(LL)	0.24	7	>685	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.57	Vert(CT)	-0.19	7-8	>837	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	-0.06	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 84 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-7, 3-5

REACTIONS. (size) 8=0-3-8, 9=Mechanical
Max Horz 8=636(LC 12)
Max Uplift 8=-74(LC 12), 9=-609(LC 12)
Max Grav 8=632(LC 1), 9=684(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-960/639, 2-3=-2283/1364, 3-4=-368/106, 5-9=-897/609
BOT CHORD 7-8=-934/968, 5-7=-1955/2778
WEBS 2-7=-914/1695, 3-7=-328/341, 3-5=-2081/1479

NOTES- (9)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 1-8-8, Interior(1) 1-8-8 to 13-8-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 9=609.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D03	Roof Special	12	1	I42605396
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:27 2020 Page 1
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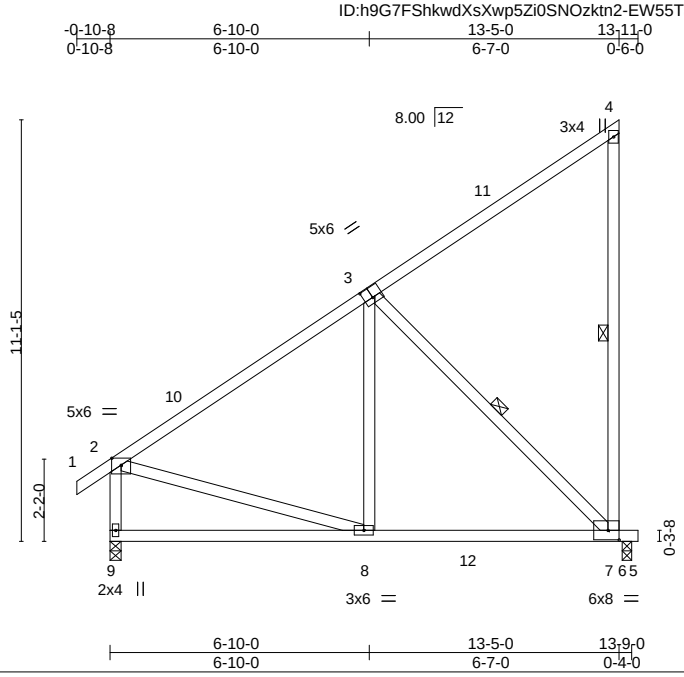

Plate Offsets (X,Y)-- [3:0-2-12,0-3-4], [7:0-3-8,0-3-0]

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	0.68	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.15	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	7-8	>999	240	Weight: 97 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7, 3-7

REACTIONS. (size) 9=0-3-8, 6=0-3-0
Max Horz 9=601(LC 12)
Max Uplift 9=-70(LC 12), 6=-567(LC 12)
Max Grav 9=612(LC 19), 6=707(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-515/0, 4-7=-255/224, 2-9=-564/137
BOT CHORD 8-9=-696/696, 7-8=-421/601
WEBS 3-8=-25/266, 3-7=-816/574, 2-8=-98/374

NOTES- (6)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-3-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 6=567.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

ENGINEERING BY
TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D03A	ROOF SPECIAL	5	1	I42605397
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:28 2020 Page 1
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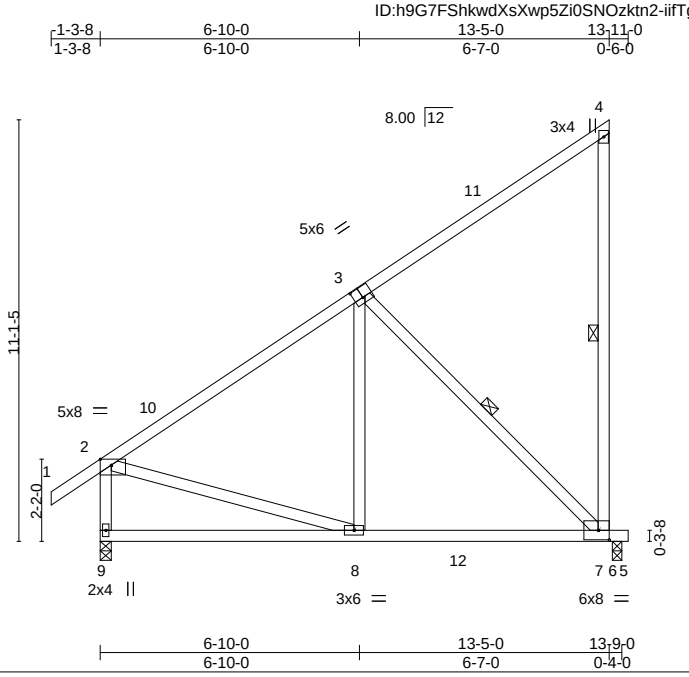

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-2-12,0-3-4], [7:0-3-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.15	7-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	7-8	>999	240	Weight: 97 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7, 3-7

REACTIONS. (size) 9=0-3-8, 6=0-3-0
Max Horz 9=618(LC 12)
Max Uplift 9=-90(LC 12), 6=-566(LC 12)
Max Grav 9=639(LC 19), 6=705(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-513/0, 4-7=-256/225, 2-9=-591/173
BOT CHORD 8-9=-698/692, 7-8=-420/599
WEBS 3-8=-26/265, 3-7=-813/572, 2-8=-97/383

NOTES- (6)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 1-8-8, Interior(1) 1-8-8 to 13-3-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 6=566.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D04	Roof Special	60	1	I42605398
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:30 2020 Page 1
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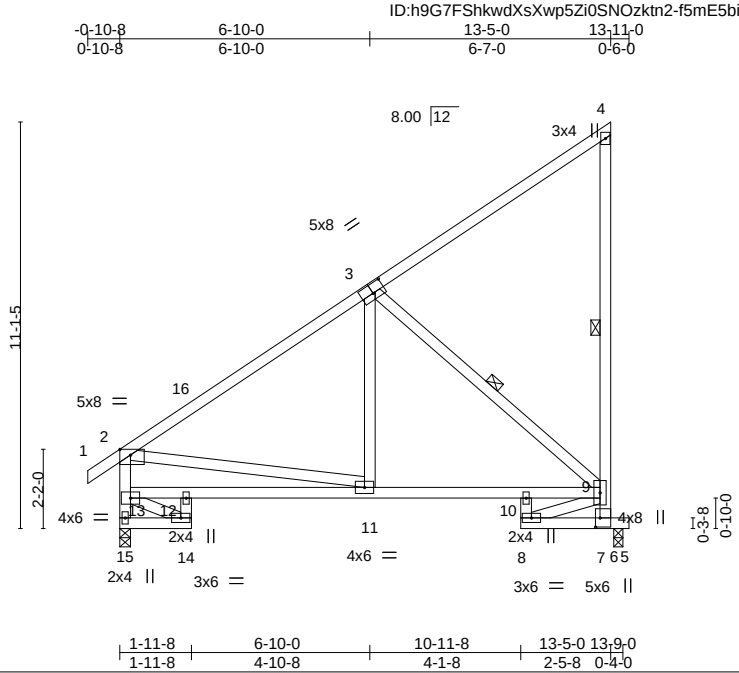

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0], [7:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.06	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.14	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.09	11-12	>999	240	Weight: 107 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7, 3-9

REACTIONS. (size) 15=0-3-8, 6=0-3-0
Max Horz 15=601(LC 12)
Max Uplift 15=-70(LC 12), 6=-567(LC 12)
Max Grav 15=602(LC 1), 6=660(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-571/57, 7-9=-874/624, 4-9=-258/227, 13-15=-585/126, 2-13=-540/176
BOT CHORD 14-15=-396/304, 12-13=-1030/1075, 11-12=-1030/1075, 10-11=-492/697, 9-10=-492/697
WEBS 2-11=-383/545, 3-11=-84/302, 3-9=-893/634, 13-14=-340/443

NOTES- (6)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-3-4 zone; cantilever left exposed ; end vertical left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 6=567.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D04A	ROOF SPECIAL	25	1	I42605399
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:31 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-7HKcIxjr_LgpFOhx?swS6NWLxDPaQ0ghOUxUsAyjfJ_

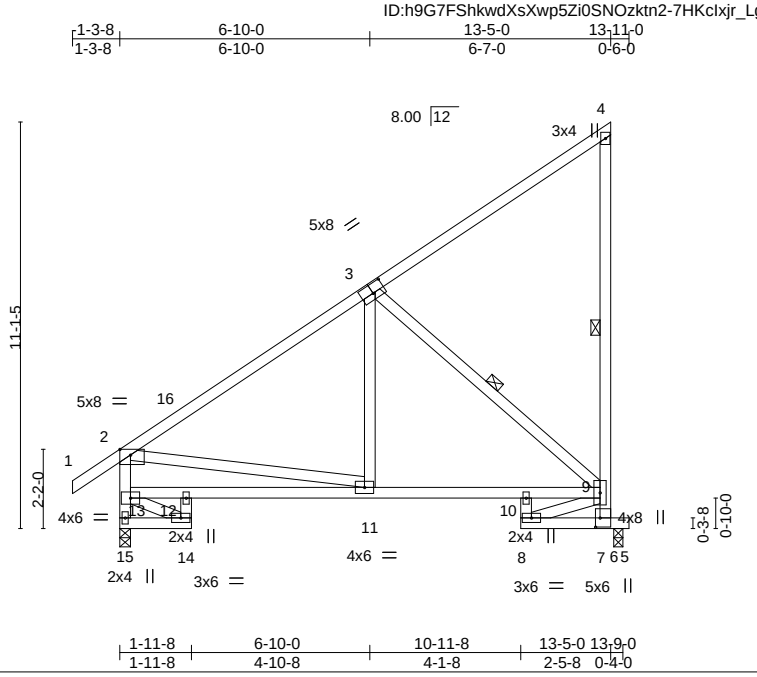

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0], [7:0-3-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.06	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.14	10-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.09	11-12	>999	240	Weight: 107 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-7, 3-9

REACTIONS. (size) 15=0-3-8, 6=0-3-0
Max Horz 15=618(LC 12)
Max Uplift 15=-90(LC 12), 6=-566(LC 12)
Max Grav 15=630(LC 1), 6=658(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-568/57, 7-9=-873/623, 4-9=-258/228, 13-15=-612/162, 2-13=-568/214
BOT CHORD 14-15=-406/314, 12-13=-1026/1062, 11-12=-1026/1062, 10-11=-492/695, 9-10=-492/695
WEBS 2-11=-371/541, 3-11=-85/302, 3-9=-890/633, 13-14=-351/454

NOTES- (6)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 1-8-8, Interior(1) 1-8-8 to 13-3-4 zone; cantilever left exposed ; end vertical left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 6=566.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D05	GABLE	10	1	I42605400
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:32 2020 Page 1
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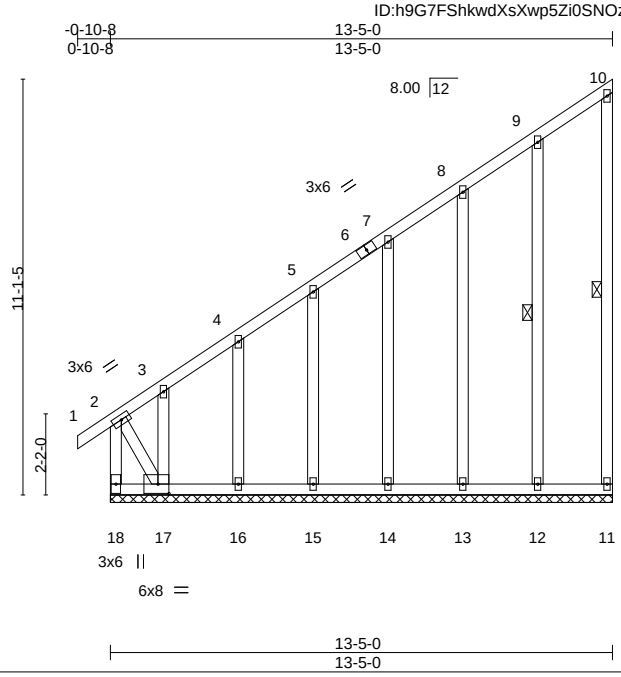

Plate Offsets (X,Y)-- [17:0-3-8,0-3-0]

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	0.35	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	0.00	1-2	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 119 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18.
WEBS	1 Row at midpt 10-11, 9-12

REACTIONS. All bearings 13-5-0.
(lb) - Max Horz 18=601(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 18=-478(LC 10), 12=-154(LC 12), 13=-154(LC 12), 14=-152(LC 12), 15=-150(LC 12), 16=-164(LC 12), 17=-1047(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 13, 14, 15, 16 except 18=1239(LC 12), 17=535(LC 10)

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

TOP CHORD	2-18=-1318/1021, 2-3=-696/586, 3-4=-616/502, 4-5=-497/404, 5-7=-387/316, 7-8=-276/227
BOT CHORD	17-18=-681/554
WEBS	2-17=-1010/1243

NOTES- (10)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 13-3-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 18=478, 12=154, 13=154, 14=152, 15=150, 16=164, 17=1047.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D05A	GABLE	4	1	I42605401
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:34 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-Xs0lxzljHG2O6rPWg_T9j08?BQW?dNl74SA8SUyjfIx

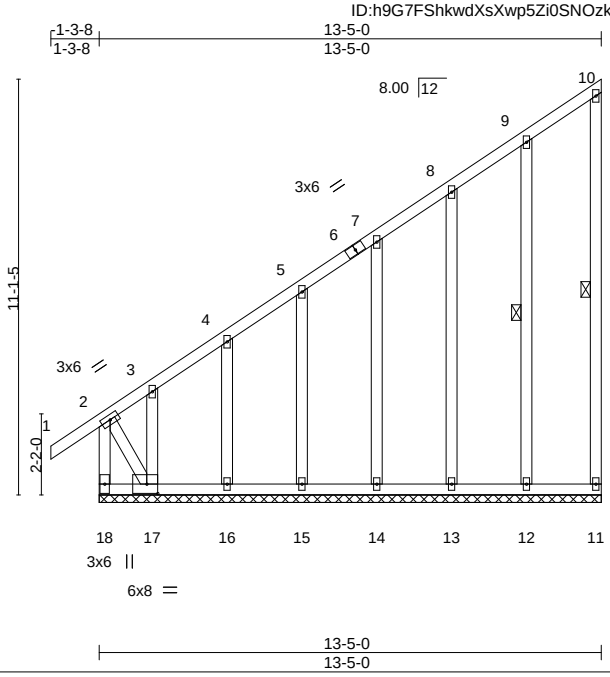

Plate Offsets (X,Y)-- [17:0-3-8,0-3-0]

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	0.35	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	0.00	1-2	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	-0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 120 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 17-18.
WEBS	1 Row at midpt 10-11, 9-12

REACTIONS. All bearings 13-5-0.
(lb) - Max Horz 18=618(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 18=-451(LC 10), 12=-154(LC 12), 13=-154(LC 12), 14=-153(LC 12), 15=-150(LC 12), 16=-166(LC 12), 17=-1037(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 13, 14, 15, 16 except 18=1212(LC 12), 17=522(LC 10)

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

TOP CHORD	2-18=-1290/973, 2-3=-683/595, 3-4=-616/503, 4-5=-496/404, 5-7=-387/316, 7-8=-276/227
BOT CHORD	17-18=-691/559
WEBS	2-17=-1019/1260

NOTES- (10)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -1-3-8 to 1-5-0, Exterior(2) 1-5-0 to 13-3-4 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 18=451, 12=154, 13=154, 14=153, 15=150, 16=166, 17=1037.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D06	Monopitch	12	1	I42605402
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:35 2020 Page 1
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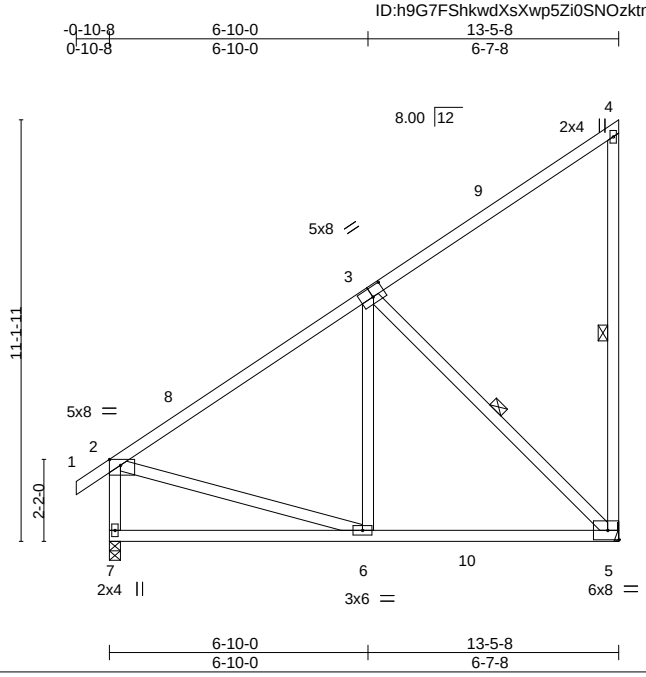


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.04	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.08	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.01	6	>999	240	Weight: 96 lb	FT = 20%

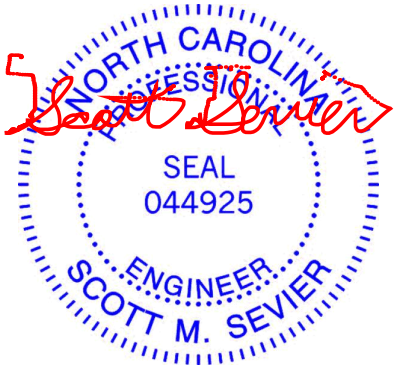
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-5: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-5, 3-5

REACTIONS. (size) 5=Mechanical, 7=0-3-8
Max Horz 7=603(LC 12)
Max Uplift 5=-592(LC 12), 7=-55(LC 12)
Max Grav 5=715(LC 19), 7=595(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-490/0, 4-5=-257/226, 2-7=-539/119
BOT CHORD 6-7=-705/707, 5-6=-400/570
WEBS 3-5=-790/556, 2-6=-141/371

NOTES- (7)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-3-12 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=592.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D06A	MONOPITCH	5	1	I42605403
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:36 2020 Page 1
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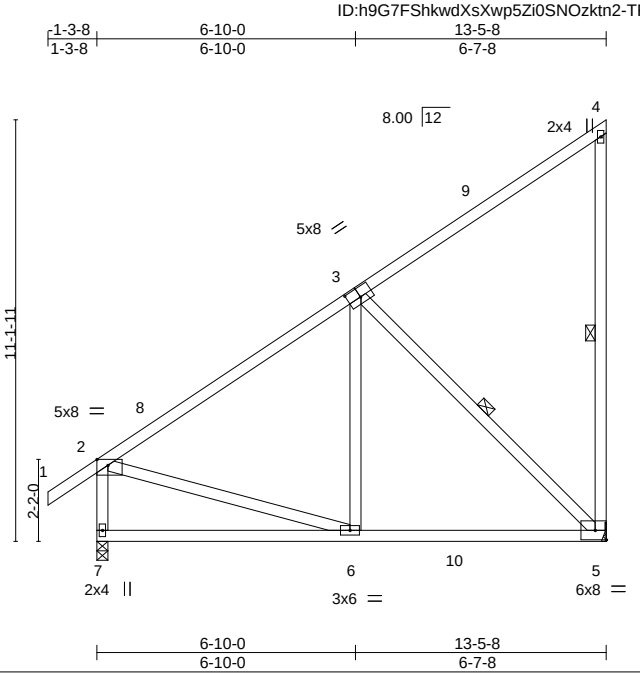

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.04	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.08	5-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.01	6	>999	240	Weight: 97 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-5, 3-5

REACTIONS. (size) 5=Mechanical, 7=0-3-8
Max Horz 7=620(LC 12)
Max Uplift 5=-591(LC 12), 7=-75(LC 12)
Max Grav 5=713(LC 19), 7=622(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-487/0, 4-5=-258/226, 2-7=-567/155
BOT CHORD 6-7=-707/703, 5-6=-399/568
WEBS 3-5=-787/555, 2-6=-140/380

NOTES- (7)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 1-8-8, Interior(1) 1-8-8 to 13-3-12 zone; cantilever left exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 5=591.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D07	Monopitch	12	1	I42605404
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:38 2020 Page 1
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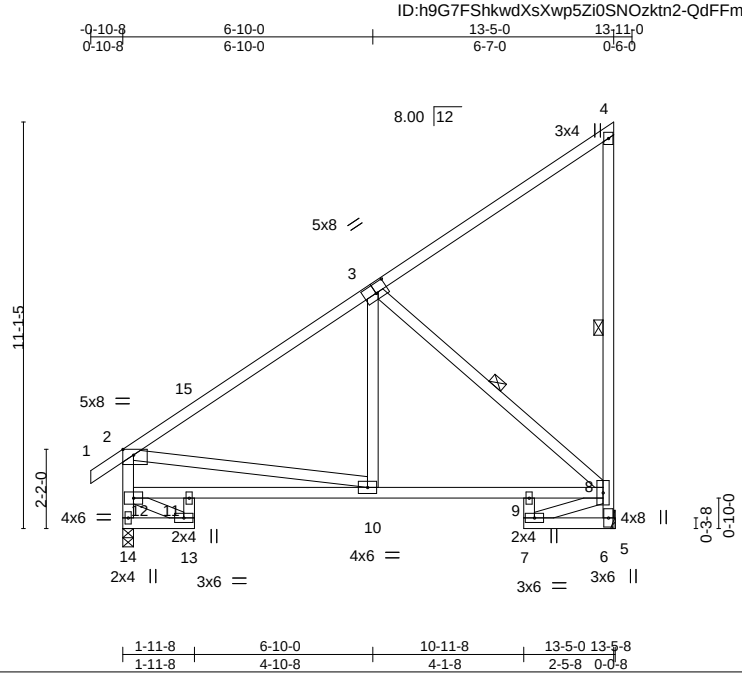

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	0.10	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.08	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 106 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-6: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-6, 3-8

REACTIONS. (size) 6=Mechanical, 14=0-3-8
Max Horz 14=601(LC 12)
Max Uplift 6=-588(LC 12), 14=-54(LC 12)
Max Grav 6=669(LC 19), 14=589(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-543/26, 6-8=-847/605, 4-8=-259/228, 12-14=-572/114, 2-12=-519/157
BOT CHORD 13-14=-381/275, 11-12=-1047/1101, 10-11=-1047/1101, 9-10=-467/660, 8-9=-467/660
WEBS 2-10=-447/588, 3-10=-52/266, 3-8=-852/607, 12-13=-308/426

NOTES- (7)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-3-4 zone; cantilever left exposed ; end vertical left 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) 14 except (jt=lb) 6=588.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	D07A	MONOPITCH	5	1	I42605405
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:40 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-M0N0B0qUs6pYqmtg0FaZzHOtWrUJ15B0SOdTg8yjfIr

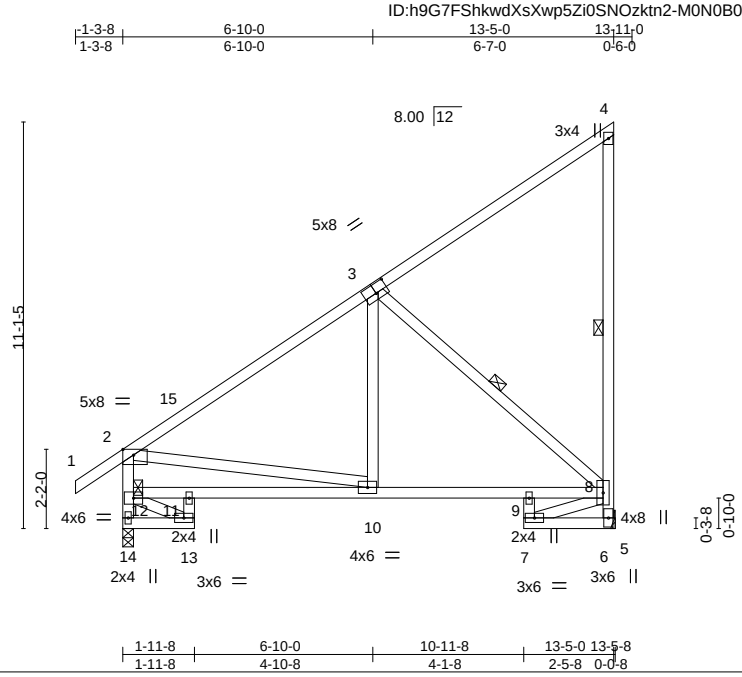

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [3:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	0.10	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.08	9-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 107 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-6: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-6, 3-8, 2-14

REACTIONS. (size) 6=Mechanical, 14=0-3-8
Max Horz 14=618(LC 12)
Max Uplift 6=-587(LC 12), 14=-75(LC 12)
Max Grav 6=667(LC 19), 14=616(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-541/27, 6-8=-845/605, 4-8=-260/229, 12-14=-599/150, 2-12=-546/195
BOT CHORD 13-14=-391/285, 11-12=-1043/1087, 10-11=-1043/1087, 9-10=-467/658, 8-9=-467/658
WEBS 2-10=-435/585, 3-10=-53/265, 3-8=-850/606, 12-13=-319/437

NOTES- (7)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -1-3-8 to 1-8-8, Interior(1) 1-8-8 to 13-3-4 zone; cantilever left exposed ; end vertical left 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) 14 except (jt=lb) 6=587.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	E01	GABLE	3	1	I42605406
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:41 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-qCxOPMq6dPxPSwRsay5oWUwFRFv3mcM9h2N0CbyjfIq

0-10-8 9-11-8 19-11-0 20-9-8
0-10-8 9-11-8 9-11-8 0-10-8

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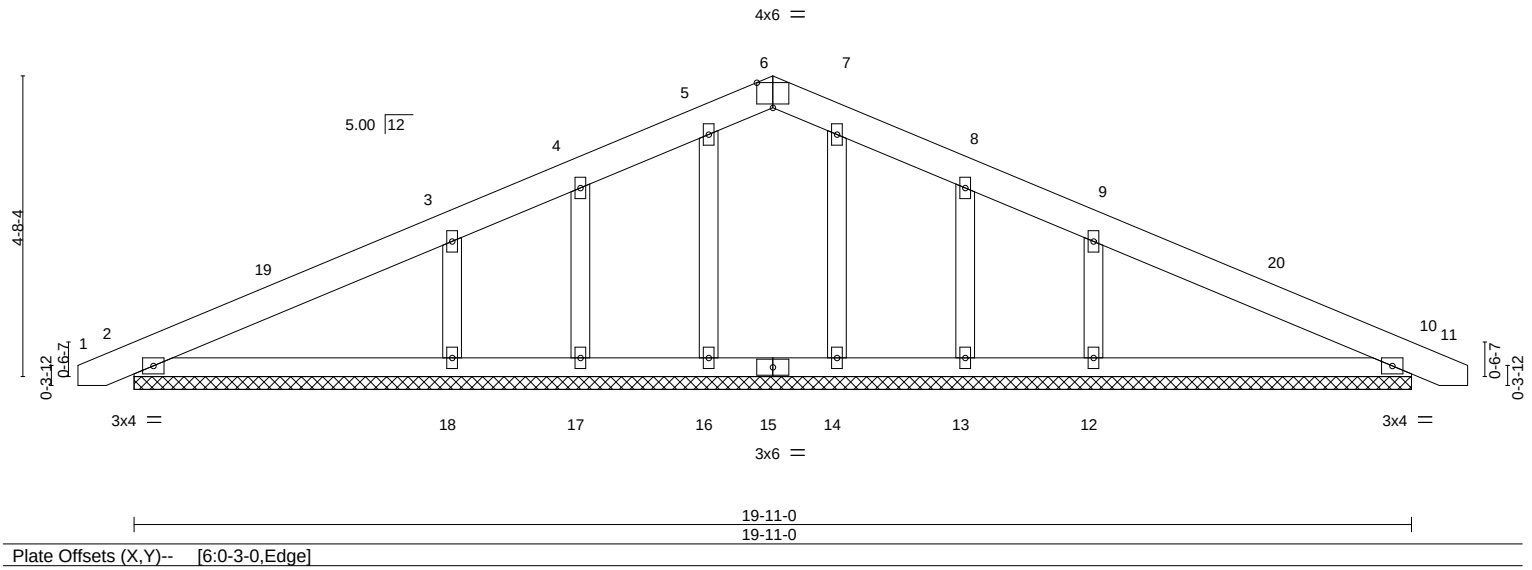

19-11-0
19-11-0

Plate Offsets (X,Y)-- [6:0-3-0,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	0.16	Vert(LL)	0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.01	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 109 lb	FT = 20%

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

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

REACTIONS. All bearings 19-11-0.
(lb) - Max Horz 2=-133(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17, 14, 13 except 10=-120(LC 13), 18=-291(LC 12), 12=-289(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 6, 2, 10, 16, 17, 14, 13 except 18=401(LC 1), 12=401(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-79/261, 5-6=-93/304, 6-7=-93/304, 7-8=-80/261
WEBS 3-18=-299/429, 9-12=-299/429

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-7-14 to 2-4-2, Exterior(2) 2-4-2 to 9-11-8, Corner(3) 9-11-8 to 12-11-8, Exterior(2) 12-11-8 to 20-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 14, 13 except (jt=lb) 10=120, 18=291, 12=289.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	E02	COMMON	25	1	I42605407
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:42 2020 Page 1
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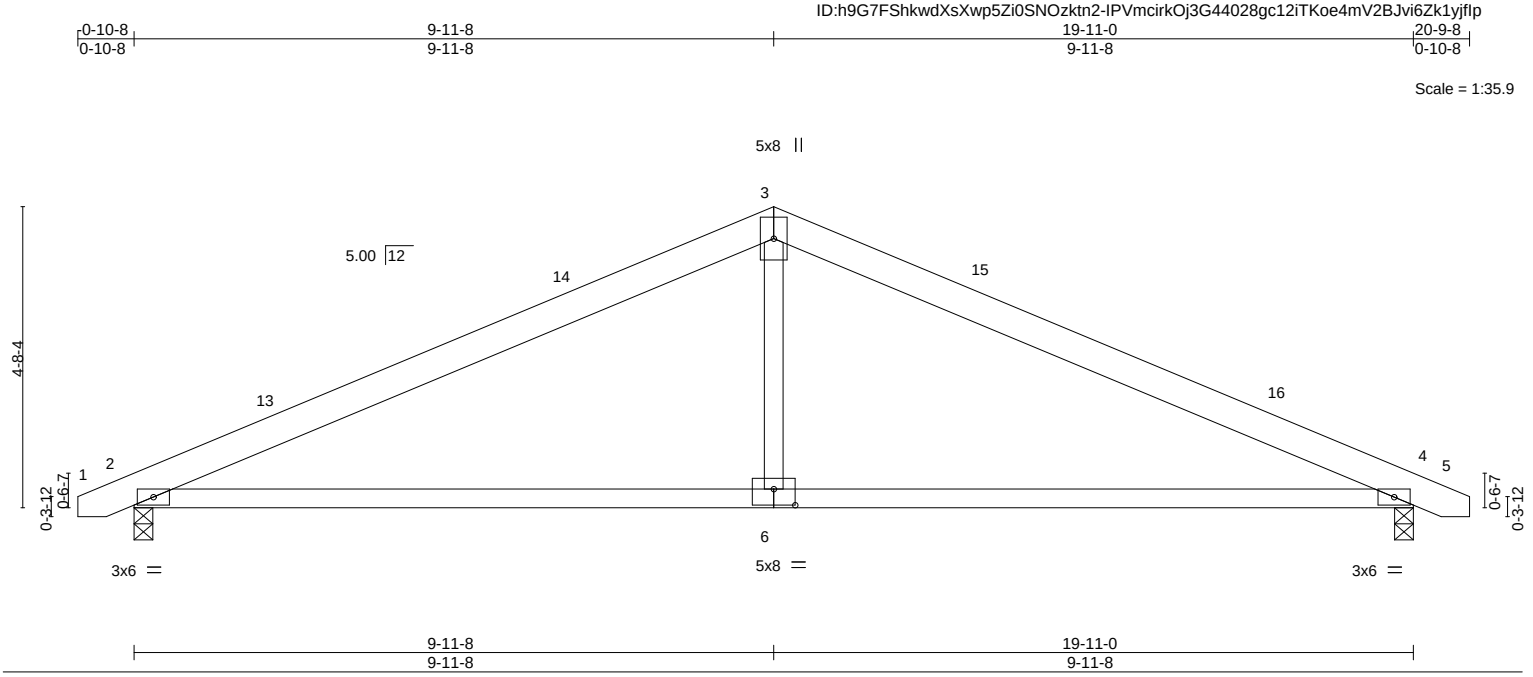


Plate Offsets (X,Y)-- [6:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	-0.13	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.28	6-9	>842	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.18	6-9	>999	240	Weight: 91 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-133(LC 13)
Max Uplift 2=-395(LC 12), 4=-395(LC 13)
Max Grav 2=836(LC 1), 4=836(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1235/579, 3-4=-1235/579
BOT CHORD 2-6=-368/1080, 4-6=-368/1080
WEBS 3-6=0/405

NOTES- (7)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-7-14 to 2-4-2, Interior(1) 2-4-2 to 9-11-8, Exterior(2) 9-11-8 to 12-11-8, Interior(1) 12-11-8 to 20-6-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=395, 4=395.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

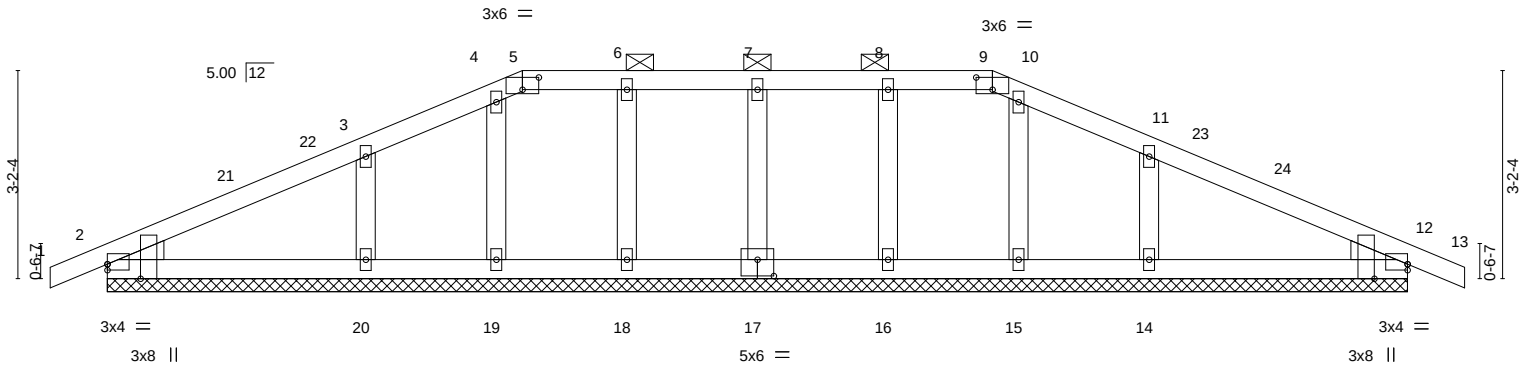
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	E03	GABLE	1	1	I42605408
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:44 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-EndX1Ot?wKJzJOARF5fV77YlvSxhzzJcN0bgpvyjfIn

0-10-8 6-4-5 13-6-11 19-11-0 20-9-8
0-10-8 6-4-5 7-2-6 6-4-5 0-10-8

Scale = 1:35.3



19-11-0
19-11-0

Plate Offsets (X,Y)-- [2:0-2-11,Edge], [2:0-0-0,0-1-1], [5:0-3-0,0-2-4], [9:0-3-0,0-2-4], [12:0-2-11,Edge], [12:Edge,0-1-1], [17:0-3-0,0-3-0]

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	0.21	Vert(LL)	0.00	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-11-0.
(lb) - Max Horz 2=-91(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 2, 17, 18, 19, 16, 15 except 20=-239(LC 12), 12=-109(LC 13), 14=-238(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 17, 18, 19, 16, 15, 12 except 20=310(LC 23), 14=310(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-20=-220/384, 11-14=-220/384

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 6-4-5, Corner(3) 6-4-5 to 9-4-5, Exterior(2) 9-4-5 to 13-6-11, Corner(3) 13-6-11 to 16-6-11, Exterior(2) 16-6-11 to 20-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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) 2, 17, 18, 19, 16, 15 except (jt=lb) 20=239, 12=109, 14=238.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

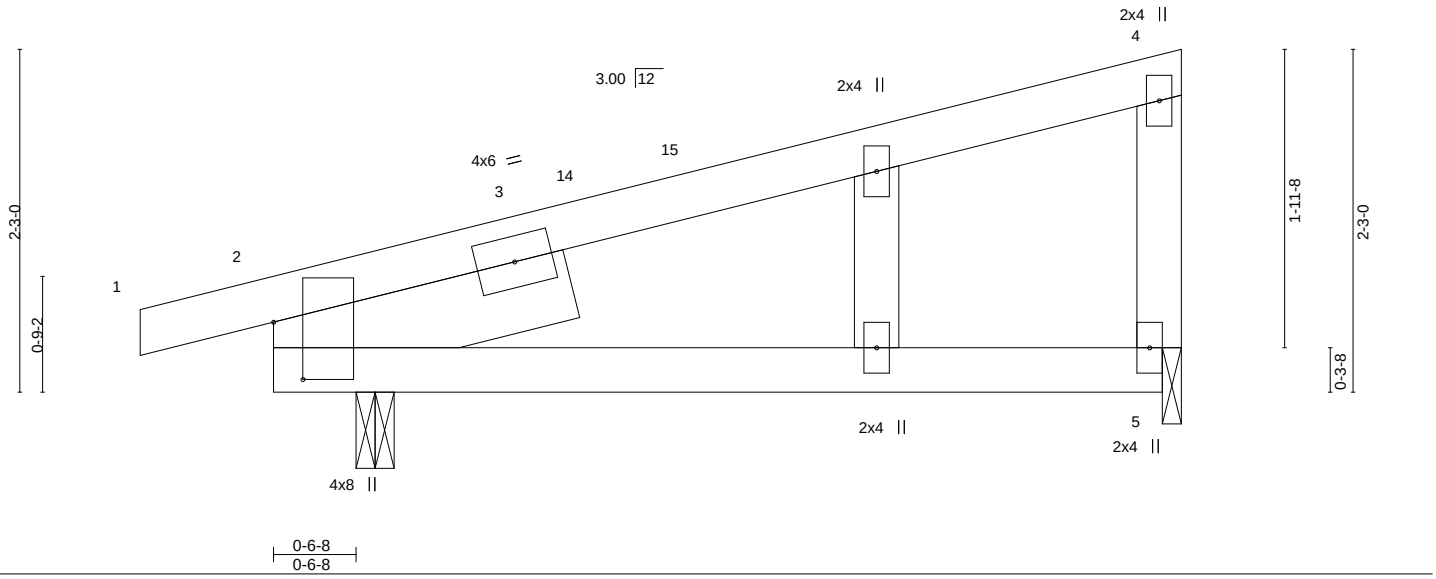
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J01	GABLE	4	1	I42605409
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:46 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-BAkHS3uFSyZhYhKpNWhzCYe?cGX1RuauqK4ntoyjfIl

-0-10-8 5-11-8
0-10-8 5-11-8

Scale = 1:15.1



0-6-8
0-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	0.14	5-12	>508	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.07	5-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 28 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
SLIDER Left 2x6 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-0, 5=0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-311(LC 8), 5=-216(LC 8)
Max Grav 2=319(LC 1), 5=199(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-192/392

NOTES- (10)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=311, 5=216.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J02	Monopitch	46	1	I42605410
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:47 2020 Page 1
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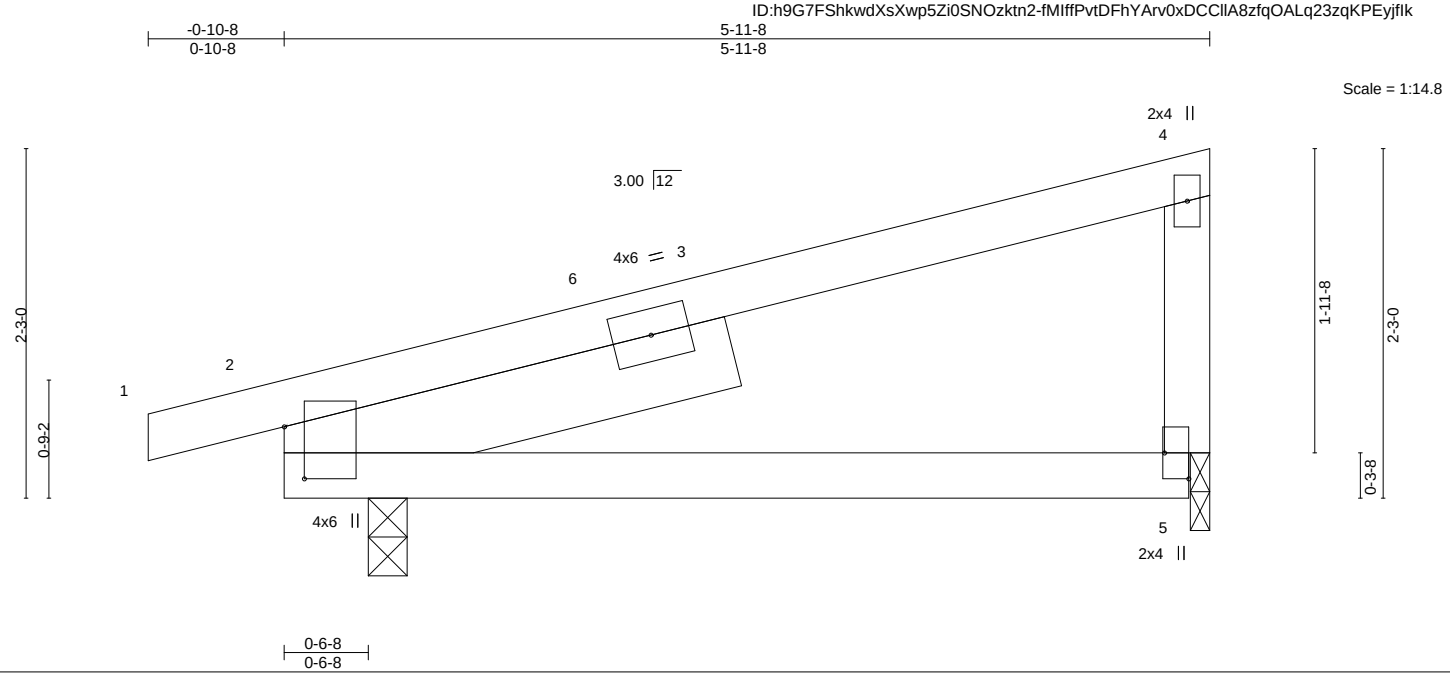

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9], [5:Edge,0-1-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	0.23	2-5	>310	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.69	Vert(CT)	-0.14	2-5	>509	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 29 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-11-9

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-0, 5=0-1-8
Max Horz 2=119(LC 12)
Max Uplift 2=-282(LC 8), 5=-244(LC 8)
Max Grav 2=289(LC 1), 5=229(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-178/258

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=282, 5=244.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J03	GABLE	18	1	I42605411
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:48 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-7Ys1tlwV_ZpPo?UCUwjRIzjRc3IHvmkBIdZuyhyjfIj

0-4-8 8-4-0
0-4-8 8-4-0

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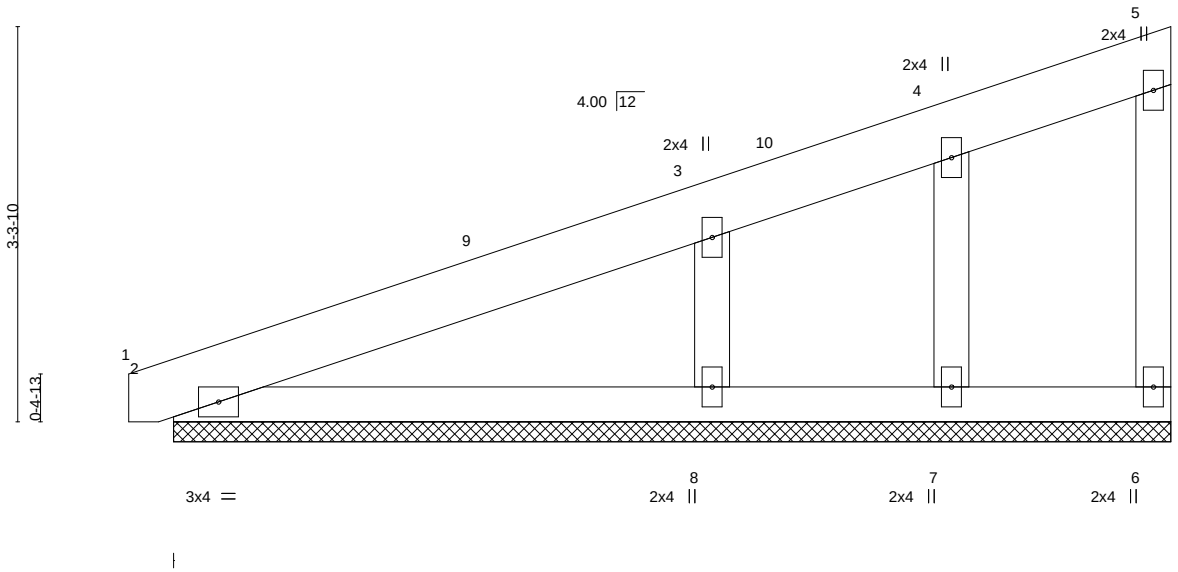

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 43 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 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 8-4-0.
(lb) - Max Horz 2=199(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 6, 2, 7 except 8=-252(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 6, 2, 7 except 8=369(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-272/95
WEBS 3-8=-276/507

NOTES- (8)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-3-0 to 2-9-0, Exterior(2) 2-9-0 to 8-2-4 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
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) 6, 2, 7 except (jt=lb) 8=252.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J04	MONOPITCH	45	1	I42605412
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:50 2020 Page 1
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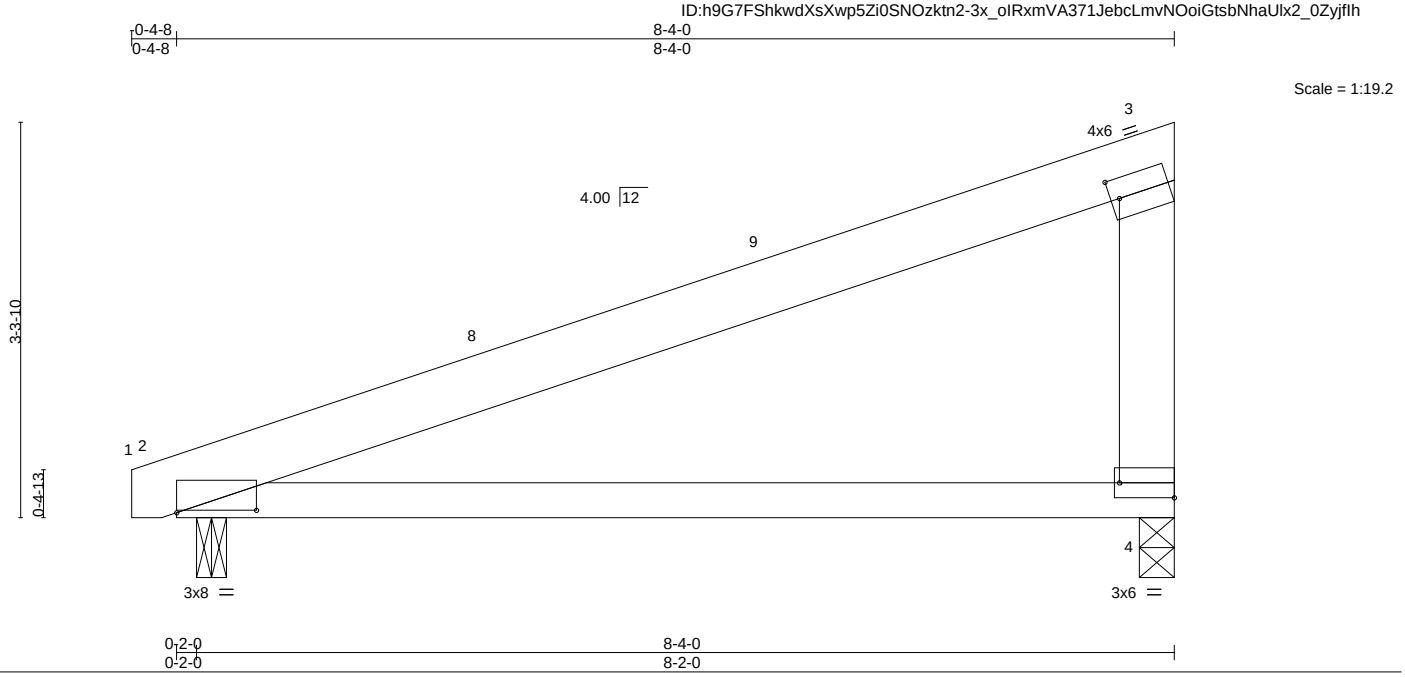

Plate Offsets (X,Y)-- [2:0-8-0,0-0-4], [3:0-0-14,0-2-0], [4:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	0.27	4-7	>366	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.15	4-7	>647	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 40 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 4=0-3-8, 2=0-3-0
Max Horz 2=188(LC 8)
Max Uplift 4=-352(LC 8), 2=-280(LC 8)
Max Grav 4=324(LC 1), 2=329(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-232/327
BOT CHORD 2-4=-275/140

NOTES- (6)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-3-0 to 2-9-0, Interior(1) 2-9-0 to 8-1-4 zone; cantilever left exposed ; end vertical left exposed; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=352, 2=280.
5) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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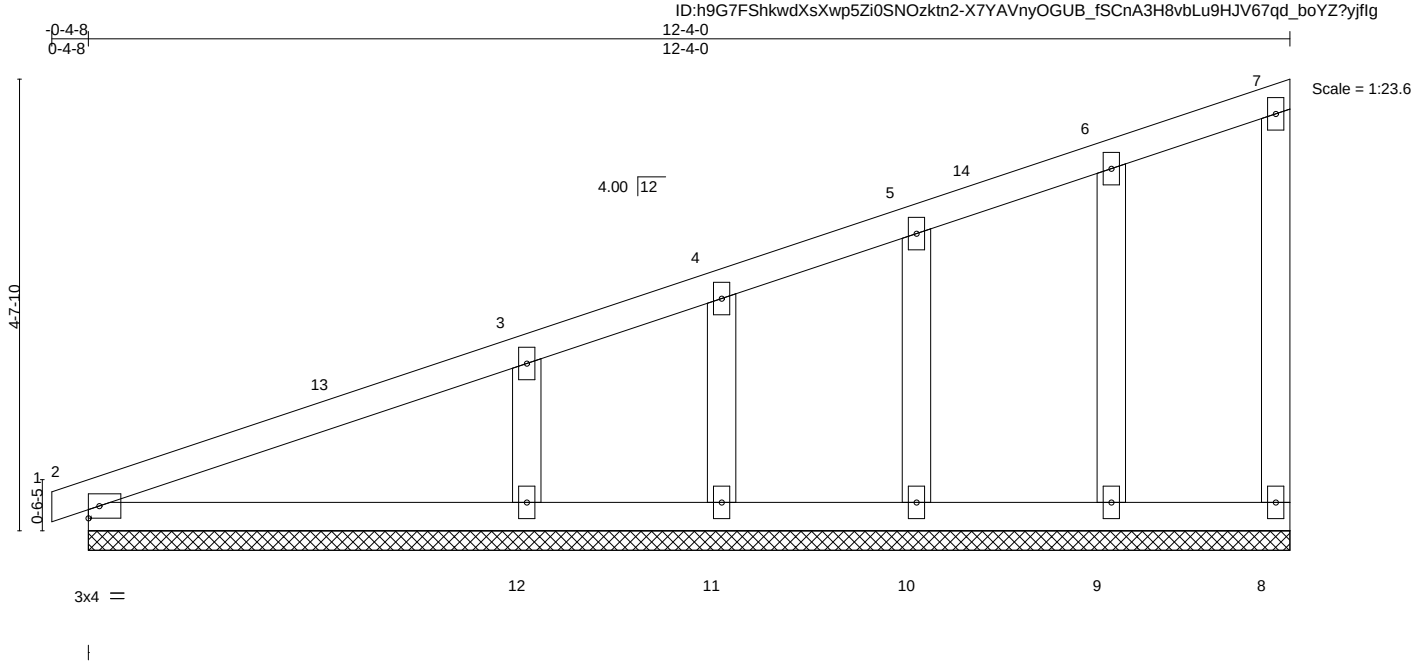
Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J05	GABLE	10	1	I42605413
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:51 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-X7YAVnyOGUB_fSCnA3H8vbLu9HJV67qd_boYZ?yjfIg



LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.40	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 59 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 12-4-0.
(lb) - Max Horz 2=321(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 11 except 9=-101(LC 8), 10=-123(LC 12), 12=-260(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 8, 2, 9, 10, 11 except 12=371(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-461/254, 3-4=-315/182, 4-5=-282/179
WEBS 6-9=-139/285, 3-12=-262/430

NOTES- (9)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-4-8 to 2-7-8, Exterior(2) 2-7-8 to 12-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 11 except (jt=lb) 9=101, 10=123, 12=260.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J06	MONOPITCH	25	1	I42605414
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:52 2020 Page 1
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0-4-8 6-2-9 6-1-7

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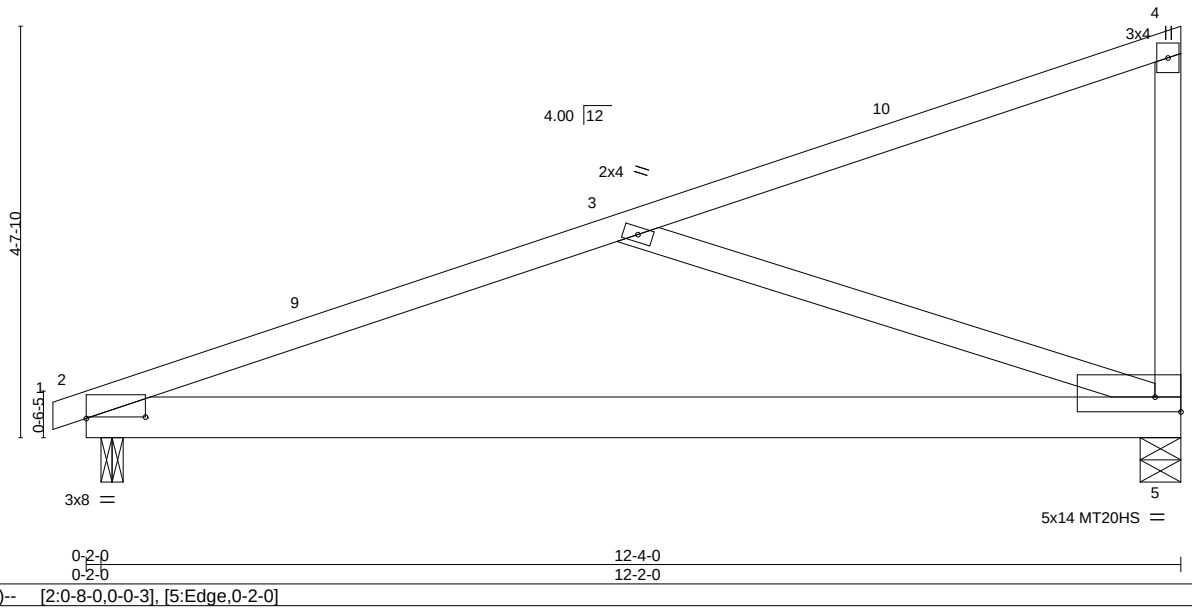

0-2-0 12-4-0
0-2-0 12-2-0

Plate Offsets (X,Y)-- [2:0-8-0,0-0-3], [5:Edge,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	0.79	Vert(LL)	0.56	5-8	>259	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.34	5-8	>427	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	-0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 64 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 5=0-5-8, 2=0-3-0
Max Horz 2=294(LC 8)
Max Uplift 5=-528(LC 8), 2=-458(LC 8)
Max Grav 5=487(LC 1), 2=510(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-744/695
BOT CHORD 2-5=-895/687
WEBS 3-5=-677/822

NOTES- (7)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-4-8 to 2-7-8, Interior(1) 2-7-8 to 12-2-4 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are MT20 plates unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=528, 2=458.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J07	Half Hip	5	1	I42605415
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:53 2020 Page 1
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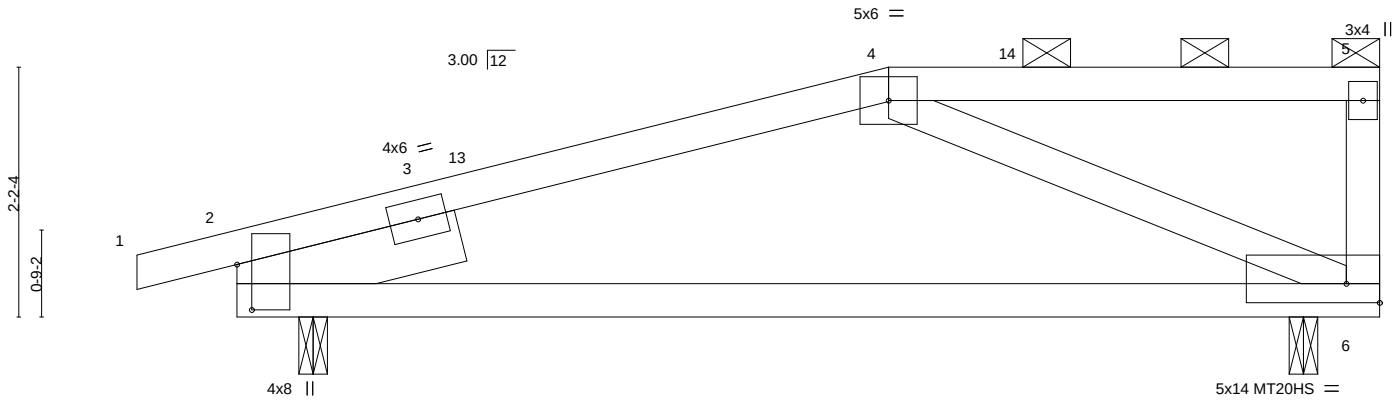
-0-10-8 0-10-8 | 5-8-7 5-8-7 | 10-0-0 4-3-9

Scale = 1:20.2



0-6-8 0-6-8 | 9-5-8 8-11-0 | 10-0-0 0-6-8

Plate Offsets (X,Y)-- [2:0-4-12,0-1-9], [6:Edge,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	0.67	Vert(LL)	0.44	6-11	>267	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.27	6-11	>442	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	-0.03	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 45 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
4-6: 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-0-0

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

REACTIONS. (size) 6=0-3-0, 2=0-3-0
Max Horz 2=135(LC 11)
Max Uplift 6=-363(LC 8), 2=-481(LC 8)
Max Grav 6=366(LC 1), 2=475(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-590/1245, 4-5=-106/293
BOT CHORD 2-6=-850/434
WEBS 4-6=-391/639

NOTES- (9)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-8-7, Exterior(2) 5-8-7 to 9-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=363, 2=481.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

August 27,2020

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

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J08	HALF HIP GIRDER	6	1	I42605416
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:55 2020 Page 1
ID:W4gh?BeAL3jt?rM_rl?HBIyK?VC-QvnhL8?uKjiP74WYPvL44RVW2ufI2sVDvDmlinyjfIc

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0-10-8 3-2-1 6-9-15

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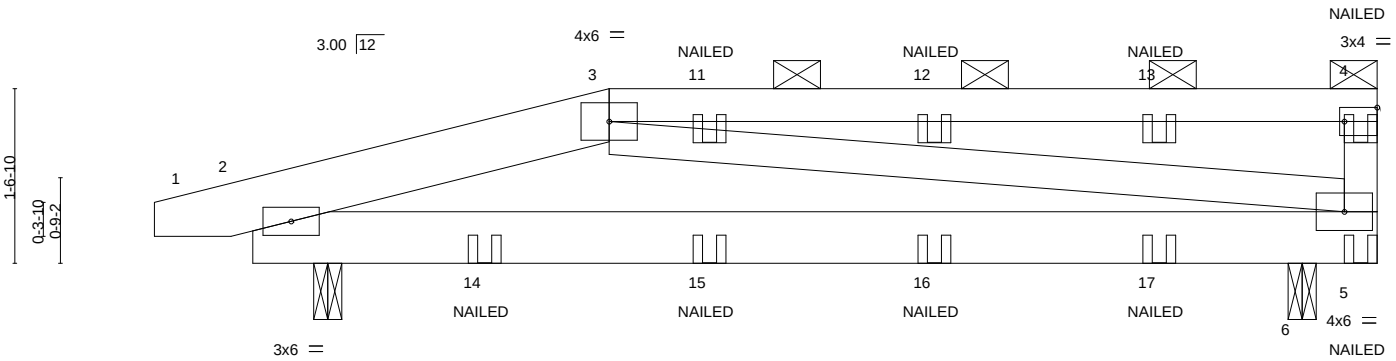

0-6-8 9-5-8 10-0-0
0-6-8 8-11-0 0-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	0.05	6-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.06	6-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 54 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 8-11-14 oc bracing.

REACTIONS. (size) 2=0-3-0, 6=0-3-0
Max Horz 2=83(LC 7)
Max Uplift 2=-502(LC 4), 6=-471(LC 5)
Max Grav 2=480(LC 1), 6=438(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-649/643
BOT CHORD 2-6=-621/598, 5-6=-621/598
WEBS 3-5=-489/502

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch 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) except (jt=lb) 2=502, 6=471.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 4=-24(B) 5=-14(B) 14=-51(B) 15=-3(B) 16=-3(B) 17=-3(B)

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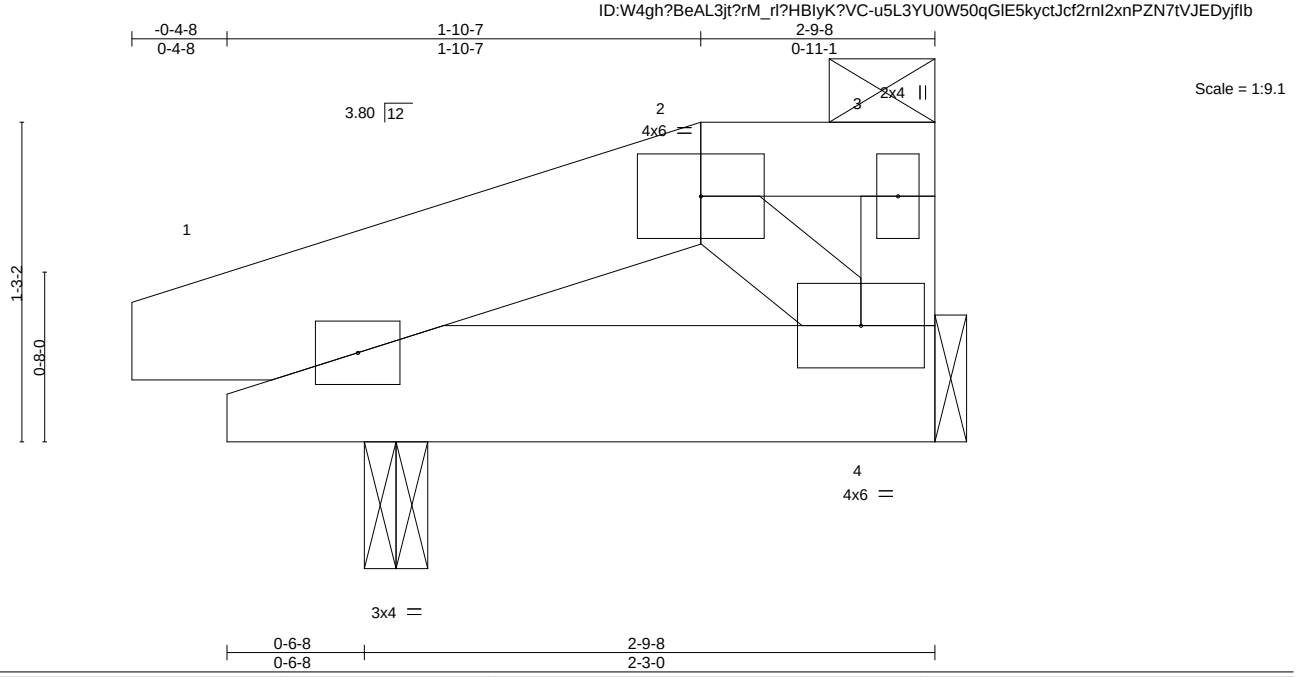
Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J09	Half Hip	4	1	I42605417
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:56 2020 Page 1
ID:W4gh?BeAL3jt?rM_rl?HBIyK?VC-u5L3YU0W50qGlE5kyctJcf2rnI2xnPZN7tVJEDyjflb



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	1	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP							Weight: 16 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 2-3.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 1=0-3-0
Max Horz 1=48(LC 12)
Max Uplift 4=-89(LC 8), 1=-118(LC 8)
Max Grav 4=79(LC 1), 1=133(LC 1)

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

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 1=118.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J10	Jack-Open	16	1	I42605418
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:57 2020 Page 1
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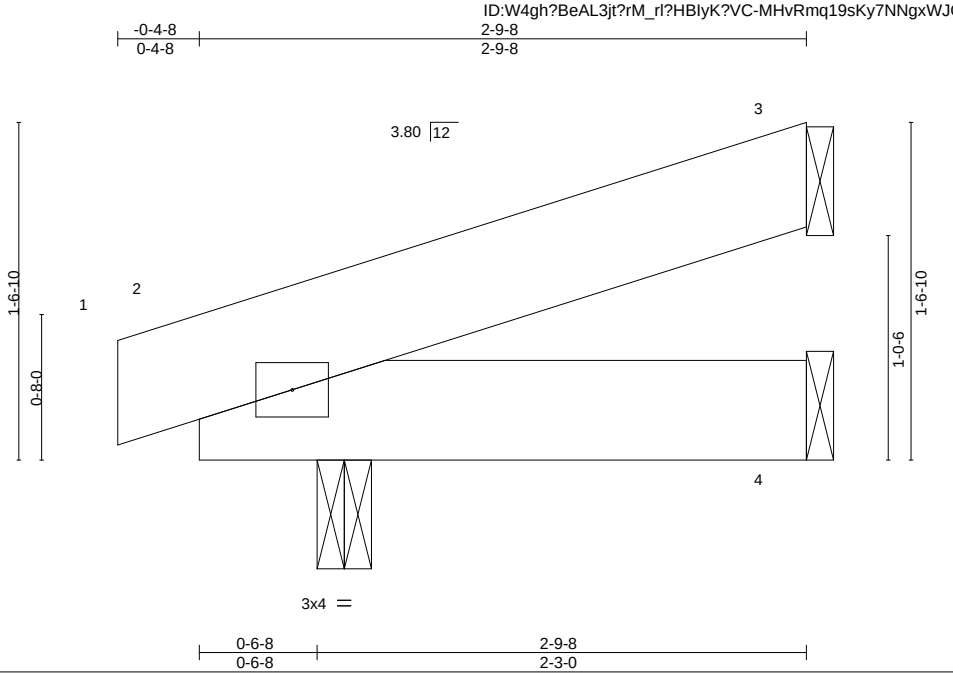

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP							Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-3-0
Max Horz 2=71(LC 8)
Max Uplift 3=-60(LC 8), 4=-28(LC 8), 2=-156(LC 8)
Max Grav 3=52(LC 1), 4=38(LC 3), 2=166(LC 1)

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

NOTES- (6)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) zone; cantilever left exposed ; end vertical left exposed; porch 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) 3, 4 except (jt=lb) 2=156.
6) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J11	Half Hip	12	1	I42605419
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:59 2020 Page 1
ID:BVNy530u5TE7jVOVl1NIPJzXRey-Ig1CBW2POxCrchqJekQ0EHgBbV0N_hNpqrkzrYyjfIY

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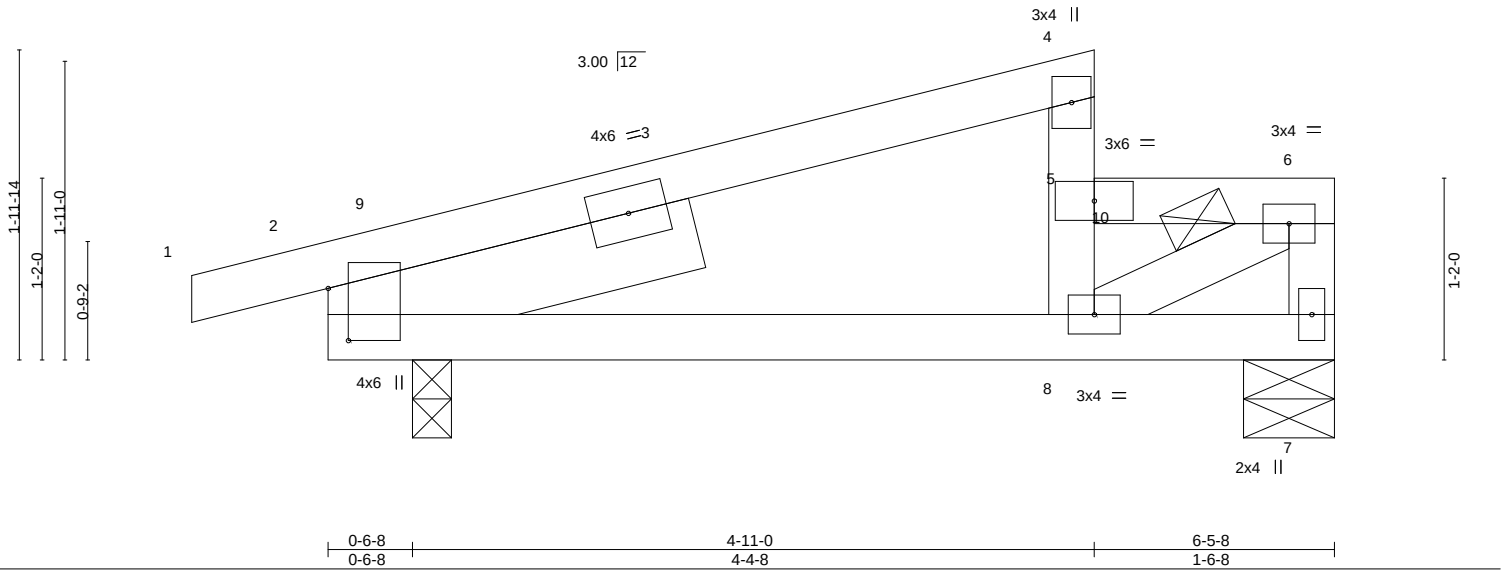
Scale = 1:14.8



0-6-8 / 0-6-8 | 4-11-0 / 4-4-8 | 6-5-8 / 1-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	0.06	2-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.05	2-8	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.35	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 32 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-12 max.): 5-8, 5-6.
BOT CHORD Rigid ceiling directly applied or 8-9-11 oc bracing.

REACTIONS. (size) 7=0-7-0, 2=0-3-0
Max Horz 2=163(LC 12)
Max Uplift 2=-235(LC 8)
Max Grav 7=668(LC 1), 2=410(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-558/284, 5-8=-381/0, 5-6=-817/401, 6-7=-635/282
BOT CHORD 2-8=-393/490
WEBS 6-8=-448/839

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-3-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=235.
7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 5-6=-60, 2-7=-20
Concentrated Loads (lb)
Vert: 10=-520

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LOAD CASE(S) Standard

2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-50, 5-6=-50, 2-7=-20
   Concentrated Loads (lb)
   Vert: 10=-480
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-20, 5-6=-20, 2-7=-40
   Concentrated Loads (lb)
   Vert: 10=-360
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=110, 2-3=88, 3-4=47, 5-6=53, 2-7=82
   Horz: 1-2=122, 2-3=-100, 3-4=-59, 4-5=34
   Concentrated Loads (lb)
   Vert: 10=-360
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=37, 2-9=47, 4-9=88, 5-6=92, 2-7=82
   Horz: 1-2=49, 2-9=-59, 4-9=-100, 4-5=-80
   Concentrated Loads (lb)
   Vert: 10=-360
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=6, 2-4=-56, 5-6=-46, 2-7=-4
   Horz: 1-2=26, 2-4=36, 4-5=-40
   Concentrated Loads (lb)
   Vert: 10=-360
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=-46, 2-4=-56, 5-6=-46, 2-7=-4
   Horz: 1-2=-26, 2-4=36, 4-5=74
   Concentrated Loads (lb)
   Vert: 10=-360
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=80, 2-4=57, 5-6=27, 2-7=21
   Horz: 1-2=92, 2-4=-69, 4-5=18
   Concentrated Loads (lb)
   Vert: 10=-360
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=23, 2-4=33, 5-6=57, 2-7=21
   Horz: 1-2=35, 2-4=-45, 4-5=-47
   Concentrated Loads (lb)
   Vert: 10=-360
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=39, 2-4=29, 5-6=-1, 2-7=13
   Horz: 1-2=59, 2-4=-49, 4-5=58
   Concentrated Loads (lb)
   Vert: 10=-360
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=15, 2-4=5, 5-6=29, 2-7=13
   Horz: 1-2=35, 2-4=-25, 4-5=-7
   Concentrated Loads (lb)
   Vert: 10=-360
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=47, 2-4=57, 5-6=27, 2-7=-12
   Horz: 1-2=59, 2-4=-69, 4-5=-79
   Concentrated Loads (lb)
   Vert: 10=-360
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=17, 2-4=27, 5-6=57, 2-7=-12
   Horz: 1-2=29, 2-4=-39, 4-5=-49
   Concentrated Loads (lb)
   Vert: 10=-360
14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-2=47, 2-4=57, 5-6=27, 2-7=-12
   Horz: 1-2=59, 2-4=-69, 4-5=-79
   Concentrated Loads (lb)
   Vert: 10=-360

Continued on page 3

LOAD CASE(S) Standard

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=17, 2-4=27, 5-6=57, 2-7=-12
Horz: 1-2=29, 2-4=-39, 4-5=-49
Concentrated Loads (lb)
Vert: 10=-360

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=39, 2-4=29, 5-6=-1, 2-7=-20
Horz: 1-2=59, 2-4=-49, 4-5=-39
Concentrated Loads (lb)
Vert: 10=-360

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-4=-1, 5-6=29, 2-7=-20
Horz: 1-2=29, 2-4=-19, 4-5=-9
Concentrated Loads (lb)
Vert: 10=-360

18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-20, 2-7=-20
Concentrated Loads (lb)
Vert: 10=-360

19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-13, 5-6=-35, 2-7=5
Horz: 1-2=45, 2-4=-37, 4-5=44
Concentrated Loads (lb)
Vert: 10=-480

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-31, 5-6=-13, 2-7=5
Horz: 1-2=26, 2-4=-19, 4-5=-5
Concentrated Loads (lb)
Vert: 10=-480

21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-13, 5-6=-35, 2-7=-20
Horz: 1-2=45, 2-4=-37, 4-5=-30
Concentrated Loads (lb)
Vert: 10=-480

22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-4=-35, 5-6=-13, 2-7=-20
Horz: 1-2=22, 2-4=-15, 4-5=-7
Concentrated Loads (lb)
Vert: 10=-480

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 5-6=-20, 2-7=-20
Concentrated Loads (lb)
Vert: 10=-520

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-60, 2-7=-20
Concentrated Loads (lb)
Vert: 10=-520

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 5-6=-20, 2-7=-20
Concentrated Loads (lb)
Vert: 10=-480

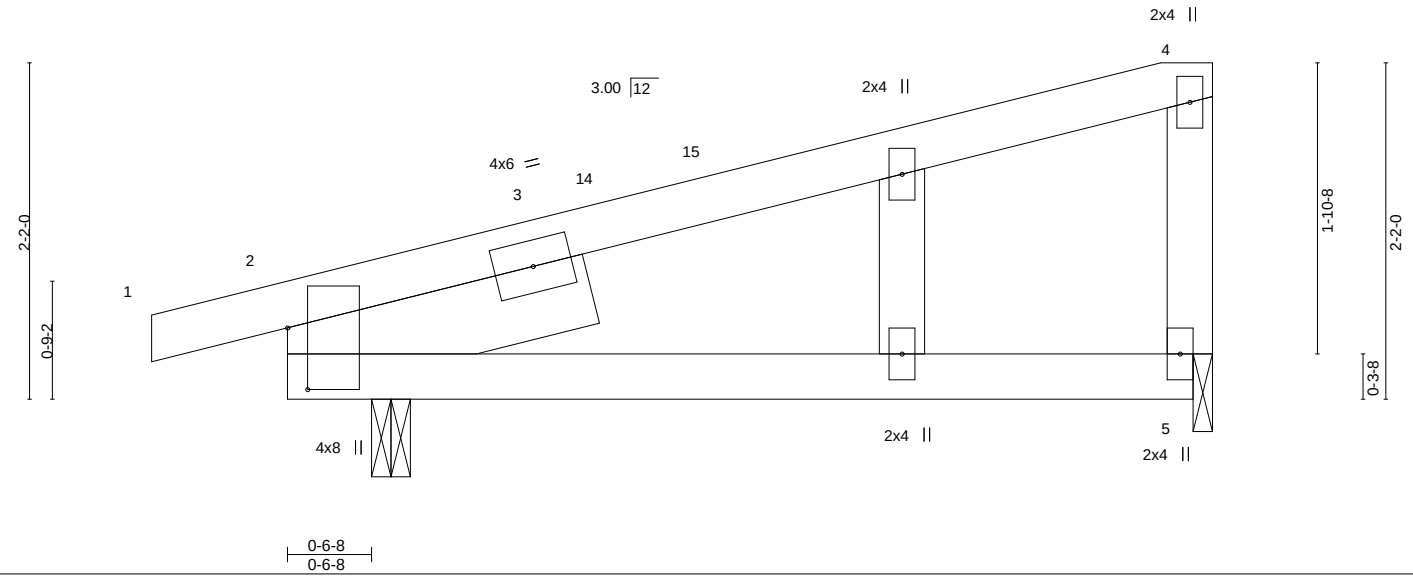
26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-50, 2-7=-20
Concentrated Loads (lb)
Vert: 10=-480

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J12	GABLE	3	1	I42605420
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:56:59 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-lg1CBW2POxCrchqJekQ0EHgE7Vyv_mopqrkzrYyjfIY

-0-10-8 5-11-8
0-10-8 5-11-8

Scale = 1:14.8



0-6-8
0-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	0.14	5-12	>498	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.07	5-12	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 28 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
SLIDER Left 2x6 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-0, 5=0-1-8
Max Horz 2=136(LC 11)
Max Uplift 2=-324(LC 8), 5=-203(LC 8)
Max Grav 2=319(LC 1), 5=199(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-192/392, 4-5=-148/259

NOTES- (10)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=324, 5=203.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J13	Monopitch	14	1	I42605421
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:00 2020 Page 1
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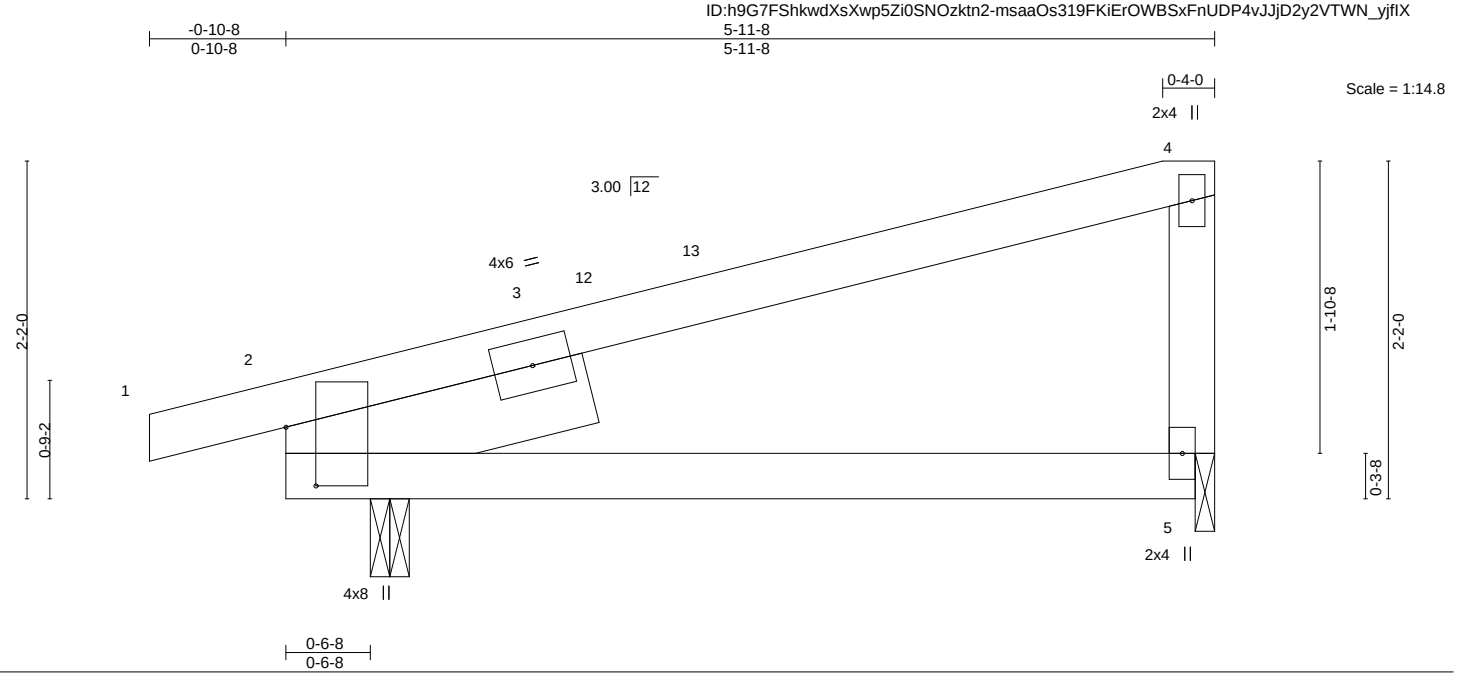

Plate Offsets (X,Y)-- [2:0-4-8,0-2-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	0.14	5-10	>508	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.07	5-10	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-0, 5=0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-311(LC 8), 5=-216(LC 8)
Max Grav 2=319(LC 1), 5=199(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-192/392

NOTES- (8)
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=311, 5=216.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J14	Half Hip	18	1	I42605422
					Job Reference (optional)

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ID:BVNy530u5TE7jVOVl1NIPJzXRey-F28ybC4fwZSZr?zil9SUJilXVJi9Seo6H9D4vQyjfIW

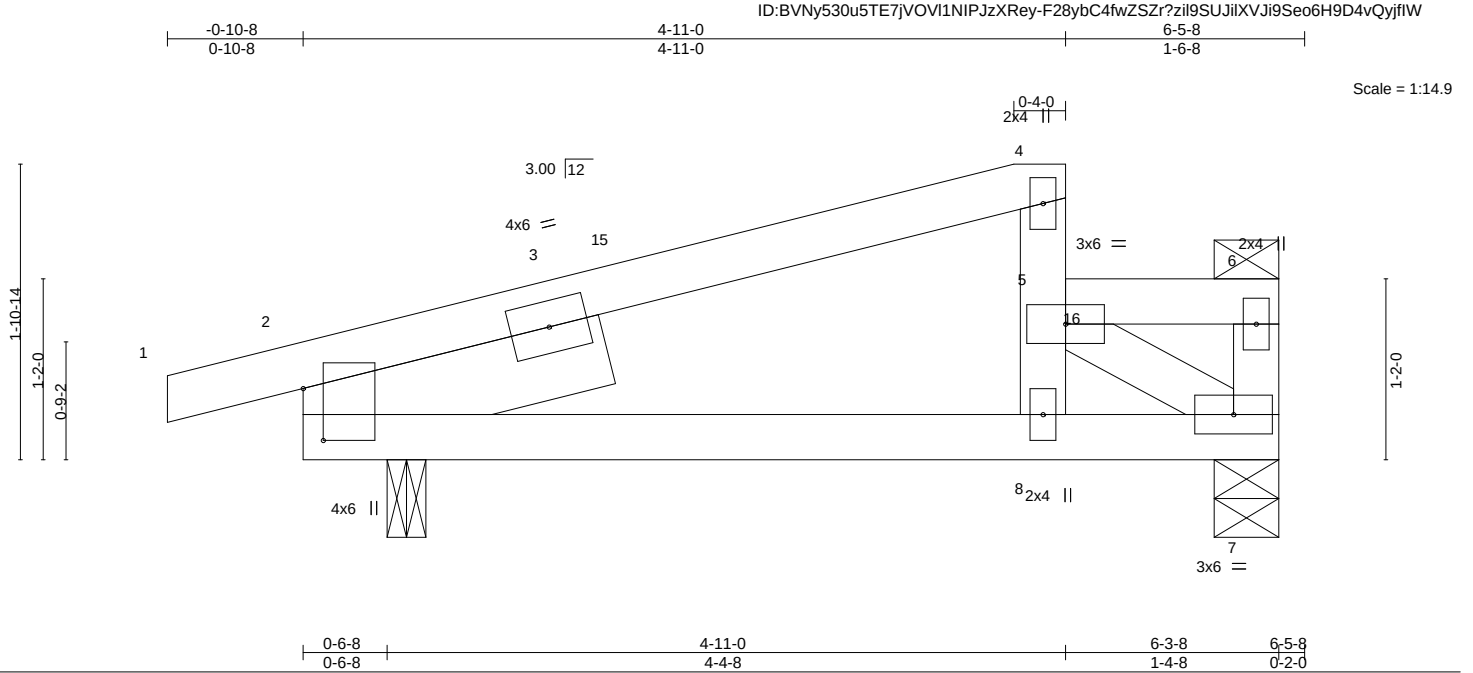

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	0.04	8-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.03	8-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.16	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP							Weight: 30 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-8: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 5-8, 5-6.
BOT CHORD Rigid ceiling directly applied or 8-3-4 oc bracing.

REACTIONS. (size) 7=0-5-0, 2=0-3-0
Max Horz 2=158(LC 12)
Max Uplift 2=-260(LC 8)
Max Grav 7=634(LC 1), 2=430(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-391/194, 5-8=-376/69
BOT CHORD 2-8=-254/355, 7-8=-453/672
WEBS 5-7=-797/536

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-1-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=260.
7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 5-6=-60, 7-9=-20

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 16=-520

2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 5-6=-50, 7-9=-20
Concentrated Loads (lb)
Vert: 16=-480

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-20, 7-9=-40
Concentrated Loads (lb)
Vert: 16=-360

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=110, 2-15=89, 4-15=47, 5-6=53, 7-9=82
Horz: 1-2=-122, 2-15=-101, 4-15=-59, 4-5=34
Concentrated Loads (lb)
Vert: 16=-360

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=37, 2-10=47, 4-10=89, 5-6=93, 7-9=82
Horz: 1-2=-49, 2-10=-59, 4-10=-101, 4-5=-80
Concentrated Loads (lb)
Vert: 16=-360

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=6, 2-4=-56, 5-6=-46, 7-9=-4
Horz: 1-2=-26, 2-4=36, 4-5=-40
Concentrated Loads (lb)
Vert: 16=-360

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=-46, 2-4=-56, 5-6=-46, 7-9=-4
Horz: 1-2=26, 2-4=36, 4-5=74
Concentrated Loads (lb)
Vert: 16=-360

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=80, 2-4=57, 5-6=27, 7-9=21
Horz: 1-2=-92, 2-4=-69, 4-5=18
Concentrated Loads (lb)
Vert: 16=-360

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=23, 2-4=33, 5-6=57, 7-9=21
Horz: 1-2=-35, 2-4=-45, 4-5=-47
Concentrated Loads (lb)
Vert: 16=-360

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=39, 2-4=29, 5-6=-1, 7-9=13
Horz: 1-2=-59, 2-4=-49, 4-5=58
Concentrated Loads (lb)
Vert: 16=-360

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=15, 2-4=5, 5-6=29, 7-9=13
Horz: 1-2=-35, 2-4=-25, 4-5=-7
Concentrated Loads (lb)
Vert: 16=-360

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=47, 2-4=57, 5-6=27, 7-9=-12
Horz: 1-2=-59, 2-4=-69, 4-5=-79
Concentrated Loads (lb)
Vert: 16=-360

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=17, 2-4=27, 5-6=57, 7-9=-12
Horz: 1-2=-29, 2-4=-39, 4-5=-49
Concentrated Loads (lb)
Vert: 16=-360

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 1-2=47, 2-4=57, 5-6=27, 7-9=-12
Horz: 1-2=-59, 2-4=-69, 4-5=-79
Concentrated Loads (lb)
Vert: 16=-360

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=17, 2-4=27, 5-6=57, 7-9=-12
Horz: 1-2=-29, 2-4=-39, 4-5=-49
Concentrated Loads (lb)
Vert: 16=-360

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=39, 2-4=29, 5-6=-1, 7-9=-20
Horz: 1-2=-59, 2-4=-49, 4-5=-39
Concentrated Loads (lb)
Vert: 16=-360

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-4=-1, 5-6=29, 7-9=-20
Horz: 1-2=-29, 2-4=-19, 4-5=-9
Concentrated Loads (lb)
Vert: 16=-360

18) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-20, 7-9=-20
Concentrated Loads (lb)
Vert: 16=-360

19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-13, 5-6=-35, 7-9=5
Horz: 1-2=-45, 2-4=-37, 4-5=44
Concentrated Loads (lb)
Vert: 16=-480

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-24, 2-4=-31, 5-6=-13, 7-9=5
Horz: 1-2=-26, 2-4=-19, 4-5=-5
Concentrated Loads (lb)
Vert: 16=-480

21) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-13, 5-6=-35, 7-9=-20
Horz: 1-2=-45, 2-4=-37, 4-5=-30
Concentrated Loads (lb)
Vert: 16=-480

22) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-28, 2-4=-35, 5-6=-13, 7-9=-20
Horz: 1-2=-22, 2-4=-15, 4-5=-7
Concentrated Loads (lb)
Vert: 16=-480

23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 5-6=-20, 7-9=-20
Concentrated Loads (lb)
Vert: 16=-520

24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-60, 7-9=-20
Concentrated Loads (lb)
Vert: 16=-520

25) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 5-6=-20, 7-9=-20
Concentrated Loads (lb)
Vert: 16=-480

26) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-20, 5-6=-50, 7-9=-20
Concentrated Loads (lb)
Vert: 16=-480

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J15	Monopitch	14	1	I42605423
					Job Reference (optional)

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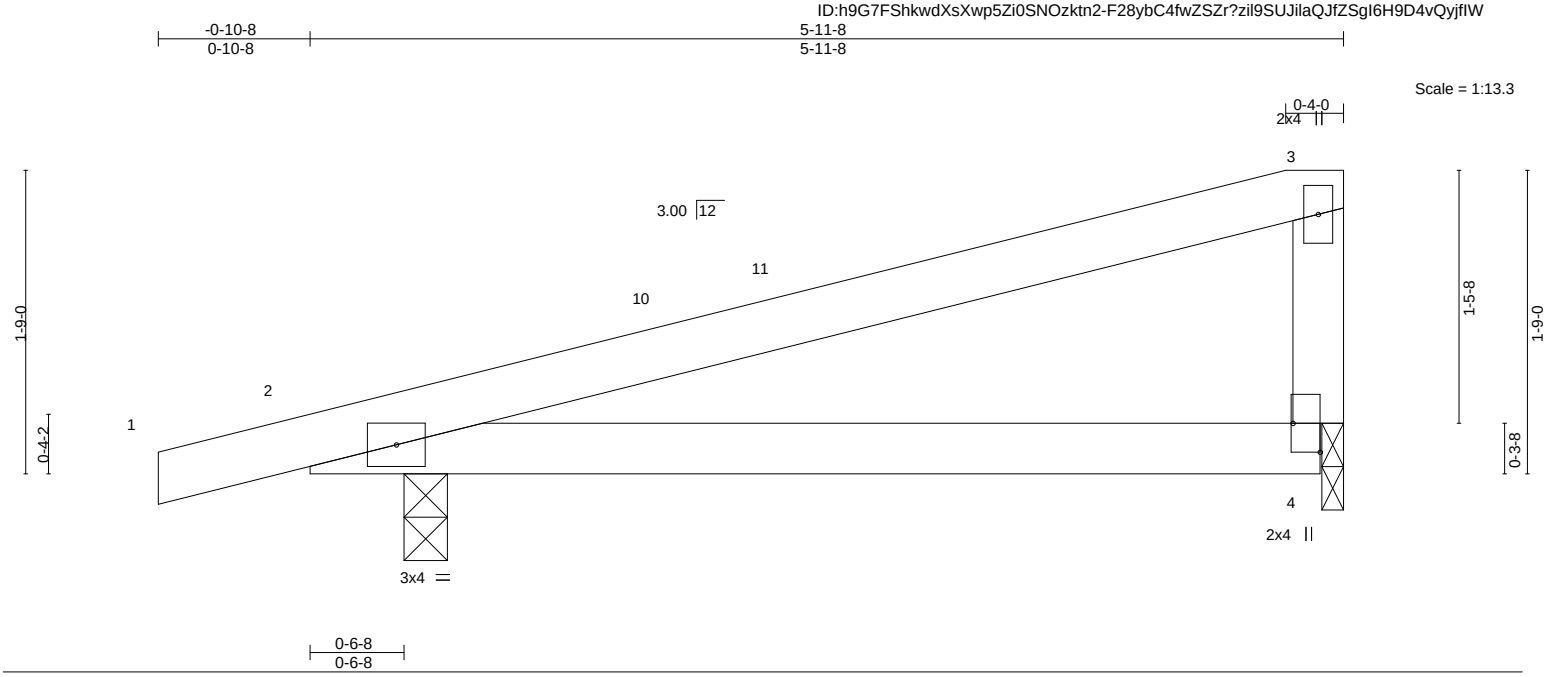

Plate Offsets (X,Y)-- [4:Edge,0-1-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.14	4-9	>512	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.07	4-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 21 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-0, 4=0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-320(LC 8), 4=-206(LC 8)
Max Grav 2=319(LC 1), 4=199(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=320, 4=206.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J16	Half Hip Girder	1	1	I42605424
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:02 2020 Page 1
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-0-10-8 | 2-9-7 | 4-5-1 | 6-0-11 | 7-8-6 | 9-4-0 | 10-0-0
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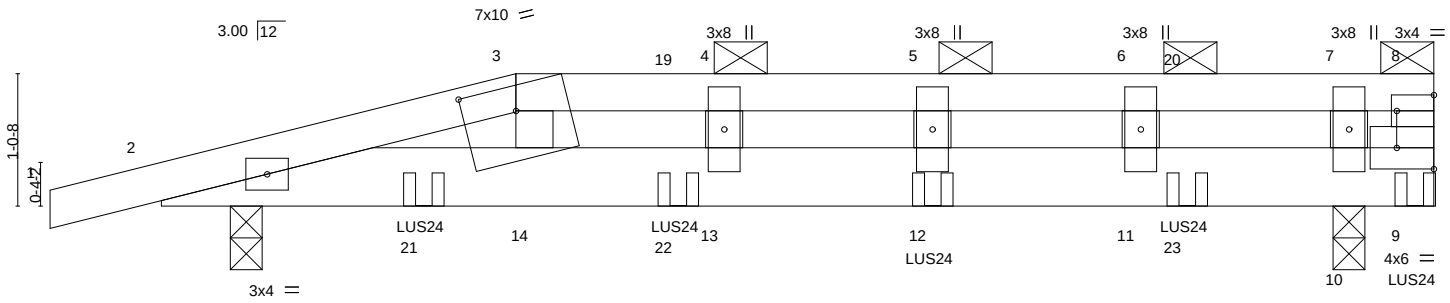


0-6-8 | 2-9-7 | 4-5-1 | 6-0-11 | 7-8-6 | 9-4-0 | 9-5-8 | 10-0-0
0-6-8 | 2-2-15 | 1-7-10 | 1-7-10 | 1-7-10 | 1-7-10 | 0-1-8 | 0-6-8

Plate Offsets (X,Y)-- [3:0-5-0,0-2-6], [8:Edge,0-1-8], [9:Edge,0-2-0], [14:0-1-11,0-0-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.12	12-13	>896	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.10	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.01	Horz(CT)	-0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 42 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-8.
BOT CHORD Rigid ceiling directly applied or 8-7-10 oc bracing.

REACTIONS. (size) 10=0-3-0, 2=0-3-0
Max Horz 2=59(LC 20)
Max Uplift 10=-421(LC 5), 2=-507(LC 4)
Max Grav 10=409(LC 1), 2=487(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-615/603, 3-4=-598/601, 4-5=-598/601, 5-6=-598/601, 6-7=-598/601, 7-8=-598/601
BOT CHORD 2-14=-598/590, 13-14=-608/598, 12-13=-608/598, 11-12=-608/598, 10-11=-608/598, 9-10=-608/598

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=421, 2=507.
6) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
7) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 9-10-4 to connect truss(es) to back face of bottom chord.
8) Fill all nail holes where hanger is in contact with lumber.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 24 lb down and 39 lb up at 4-0-12, 24 lb down and 39 lb up at 6-0-12, and 24 lb down and 39 lb up at 8-0-12, and 25 lb down and 49 lb up at 9-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-3=-60, 3-8=-60, 2-9=-20
Concentrated Loads (lb)
Vert: 8=-15(B) 9=-7(B) 12=0(B) 21=-34(B) 22=0(B) 23=0(B)

NORTH CAROLINA PROFESSIONAL SEAL 044925 ENGINEER SCOTT M. SEVIER

August 27,2020

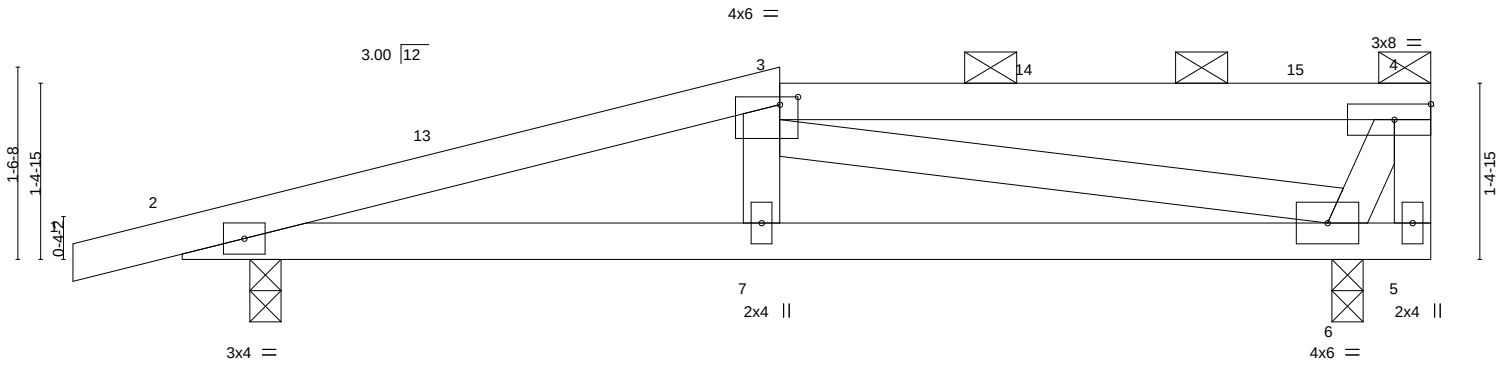
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J17	Half Hip	1	1	I42605425
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:03 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-BRGi0t5vRAiH5I75taVyP7rxV6NRwVKPkTiA_JyjfIU

-0-10-8 4-9-7 10-0-0
0-10-8 4-9-7 5-2-9

Scale = 1:18.5



0-6-8 4-9-7 9-5-8 10-0-0
0-6-8 4-2-15 4-8-1 0-6-8

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

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	0.44	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 42 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, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 6=0-3-0, 2=0-3-0
Max Horz 2=87(LC 11)
Max Uplift 6=-364(LC 9), 2=-464(LC 8)
Max Grav 6=387(LC 1), 2=453(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-722/1334, 4-5=-143/288
BOT CHORD 2-7=-1374/677, 6-7=-1335/670
WEBS 3-7=-314/156, 3-6=-619/1179

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-9-7, Exterior(2) 4-9-7 to 9-0-5, Interior(1) 9-0-5 to 9-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=364, 2=464.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 27,2020

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J18	Half Hip	1	1	I42605426
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:04 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-fdq4ED6YCUq8jSiHQH0BxKNB?WmQf11Yz7RkWlyjfIT

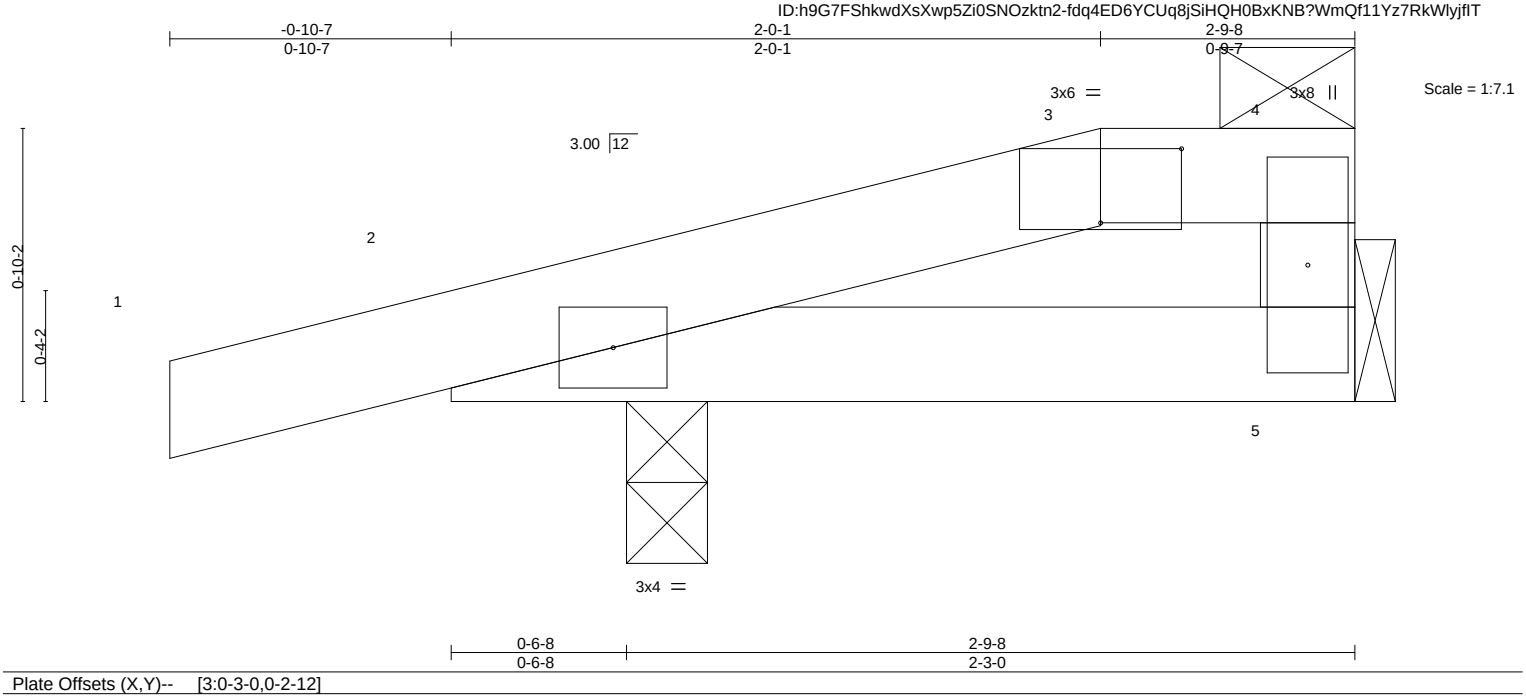

Plate Offsets (X,Y)-- [3:0-3-0,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.00	6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MR							Weight: 10 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 2-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 2=0-3-0
Max Horz 2=55(LC 8)
Max Uplift 5=-60(LC 9), 2=-229(LC 8)
Max Grav 5=54(LC 1), 2=209(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=229.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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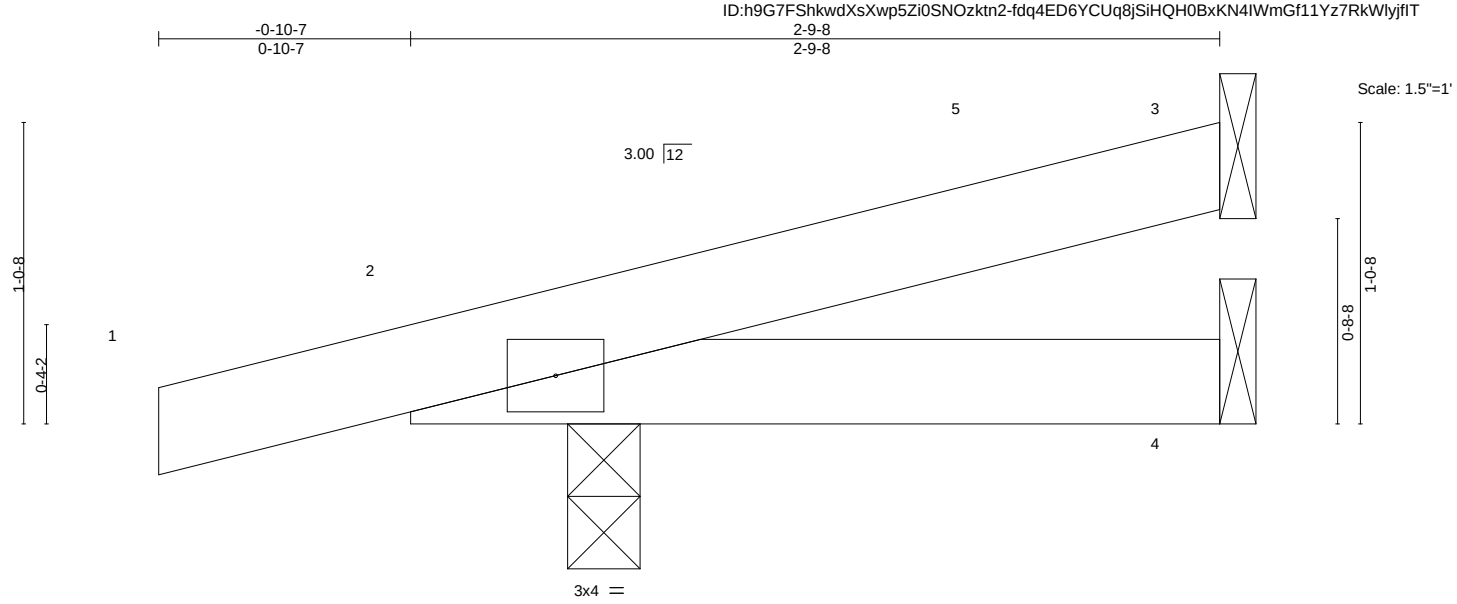
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J19	Jack-Open	4	1	I42605427
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:04 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-fdq4ED6YCUq8jSiHQH0BxKN4IWmGf11Yz7RkWlyjfIT



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.01	2-4	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-3-0
Max Horz 2=66(LC 8)
Max Uplift 3=-73(LC 12), 4=-27(LC 8), 2=-191(LC 8)
Max Grav 3=67(LC 1), 4=52(LC 3), 2=175(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-7 to 2-1-9, Interior(1) 2-1-9 to 2-8-12 zone; cantilever left exposed ; end vertical left exposed; porch 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) 3, 4 except (jt=lb) 2=191.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J20	Monopitch Structural Gable	1	1	I42605428
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:05 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-7qOTRZ7Azny?KcHT_?XQUYwGPw0VOUHhCnBH2ByjfIS

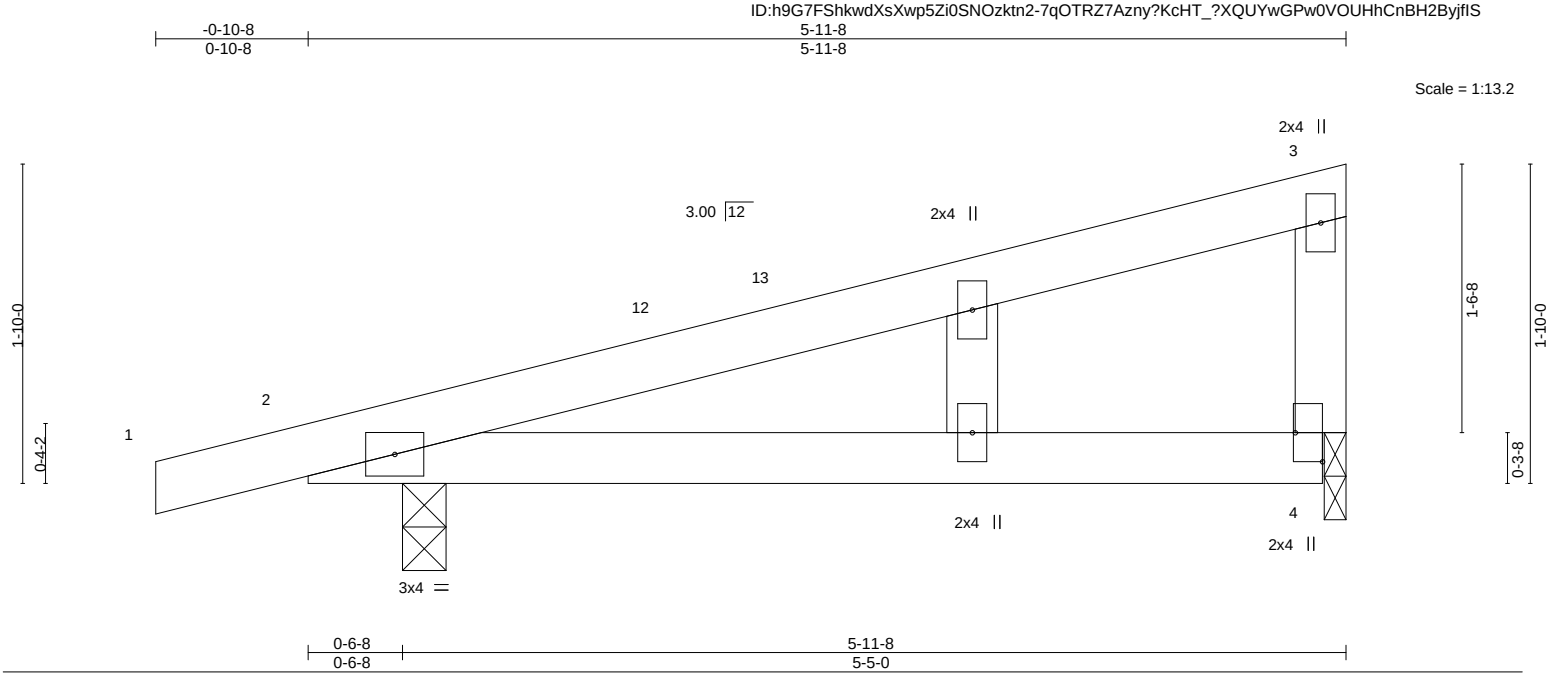

Plate Offsets (X,Y)-- [4:Edge,0-1-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.14	4-11	>512	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.07	4-11	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 22 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-0, 4=0-1-8
Max Horz 2=121(LC 8)
Max Uplift 2=-320(LC 8), 4=-206(LC 8)
Max Grav 2=319(LC 1), 4=199(LC 1)

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

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable studs spaced at 2-0-0 oc.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=320, 4=206.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J21	Half Hip	5	1	I42605429
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:06 2020 Page 1
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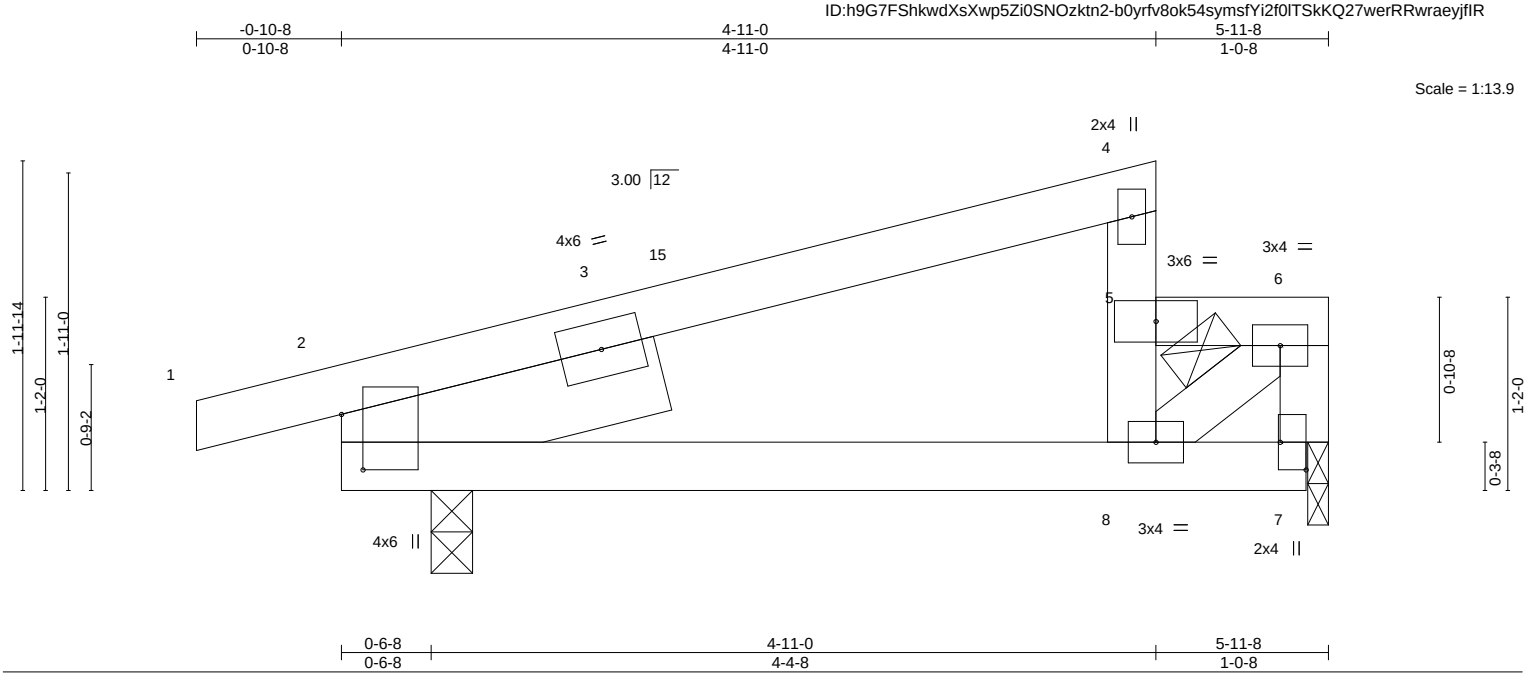

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9], [7:Edge,0-1-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	0.04	8-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.02	8-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP							Weight: 28 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-8: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 5-8, 5-6.
BOT CHORD Rigid ceiling directly applied or 9-4-14 oc bracing.

REACTIONS. (size) 2=0-3-0, 7=0-1-8
Max Horz 2=150(LC 12)
Max Uplift 2=-319(LC 8), 7=-178(LC 9)
Max Grav 2=319(LC 1), 7=199(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-224/613, 6-7=-219/564
BOT CHORD 2-8=-337/118
WEBS 6-8=-800/292

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-9-12 zone; cantilever left exposed ; end vertical left exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=319, 7=178.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 27,2020

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TRENCO
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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J22	Half Hip	1	1	I42605430
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:06 2020 Page 1
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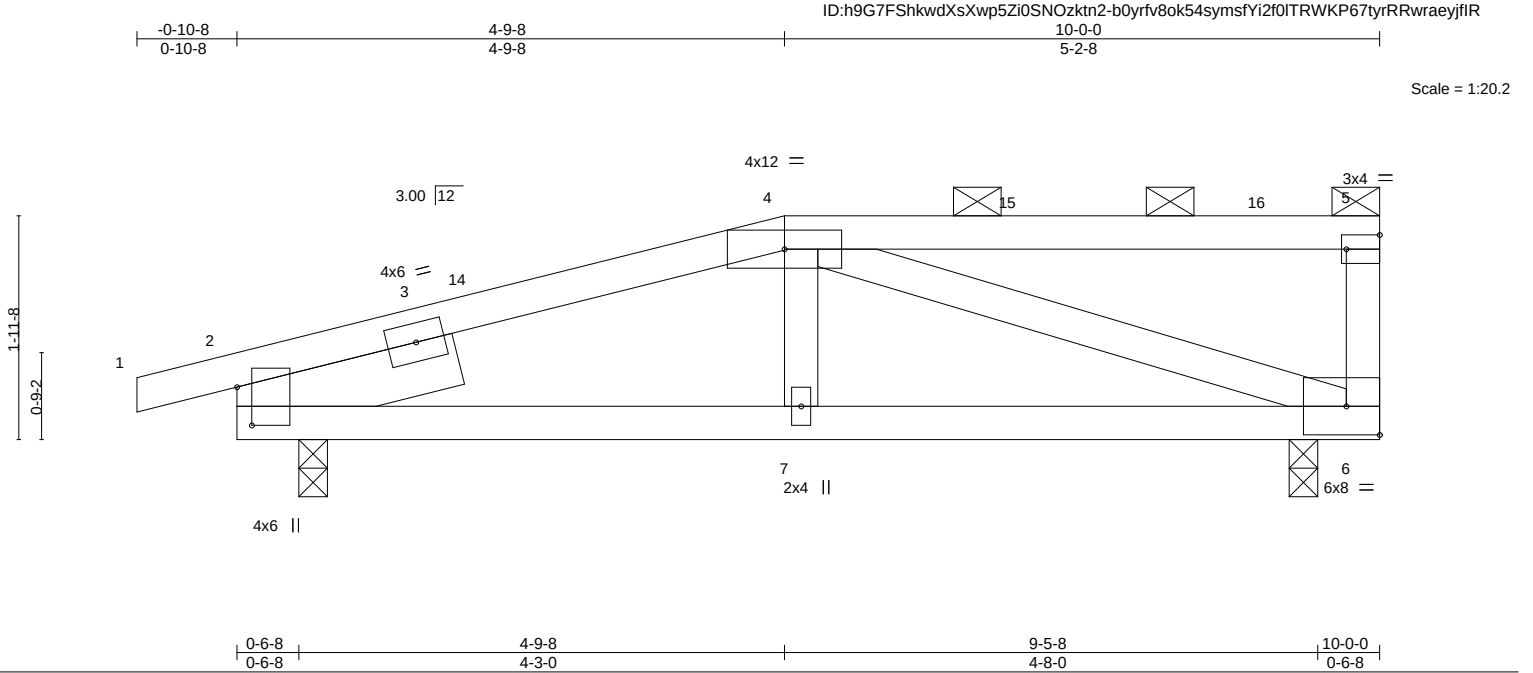

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9], [5:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	0.08	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.05	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 47 lb	FT = 20%

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

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

REACTIONS. (size) 6=0-3-0, 2=0-3-0
Max Horz 2=118(LC 11)
Max Uplift 6=-362(LC 8), 2=-482(LC 8)
Max Grav 6=366(LC 1), 2=475(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-565/1038
BOT CHORD 2-7=-1099/523, 6-7=-1128/528
WEBS 4-7=-331/166, 4-6=-461/987

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 4-9-8, Exterior(2) 4-9-8 to 9-0-7, Interior(1) 9-0-7 to 9-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=362, 2=482.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

August 27,2020

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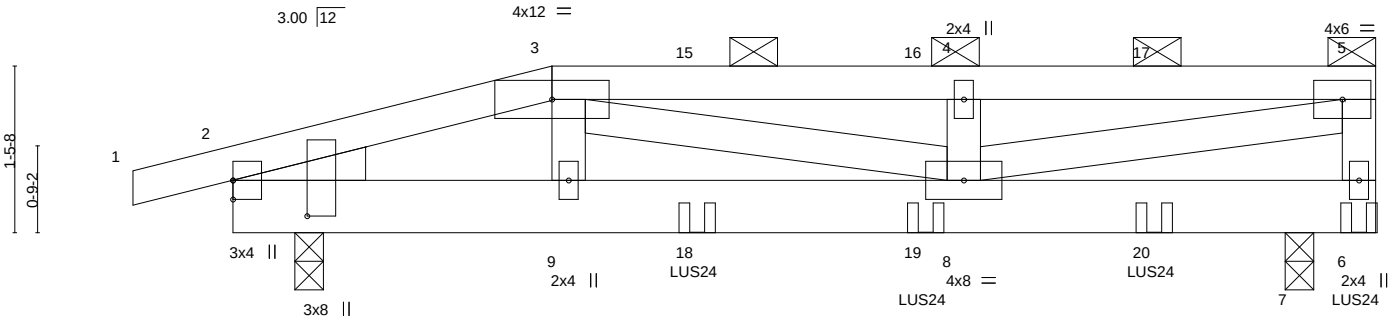
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J23	Half Hip Girder	1	1	I42605431
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:07 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-3CVDsF8QVPCiawRs6QZuZz?gyjmNsLb_f5gO74yjfIQ

-0-10-8 | 2-9-8 | 6-4-12 | 10-0-0
0-10-8 | 2-9-8 | 3-7-4 | 3-7-4

Scale = 1:20.2



0-6-8 | 2-9-8 | 6-4-12 | 9-5-8 | 10-0-0
0-6-8 | 2-3-0 | 3-7-4 | 3-0-12 | 0-6-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	0.04	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.03	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS							Weight: 54 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-0, 7=0-3-0
Max Horz 2=77(LC 26)
Max Uplift 2=-463(LC 4), 7=-428(LC 5)
Max Grav 2=448(LC 1), 7=406(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-511/510, 3-4=-567/585, 4-5=-567/585, 5-6=-287/295
BOT CHORD 2-9=-507/479, 8-9=-506/475
WEBS 5-8=-579/573

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch 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) except (jt=lb) 2=463, 7=428.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 4-0-12 from the left end to 9-10-4 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 23 lb down and 48 lb up at 4-0-12, 23 lb down and 48 lb up at 6-0-12, and 23 lb down and 48 lb up at 8-0-12, and 24 lb down and 58 lb up at 9-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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LOAD CASE(S) Standard

Uniform Loads (plf)

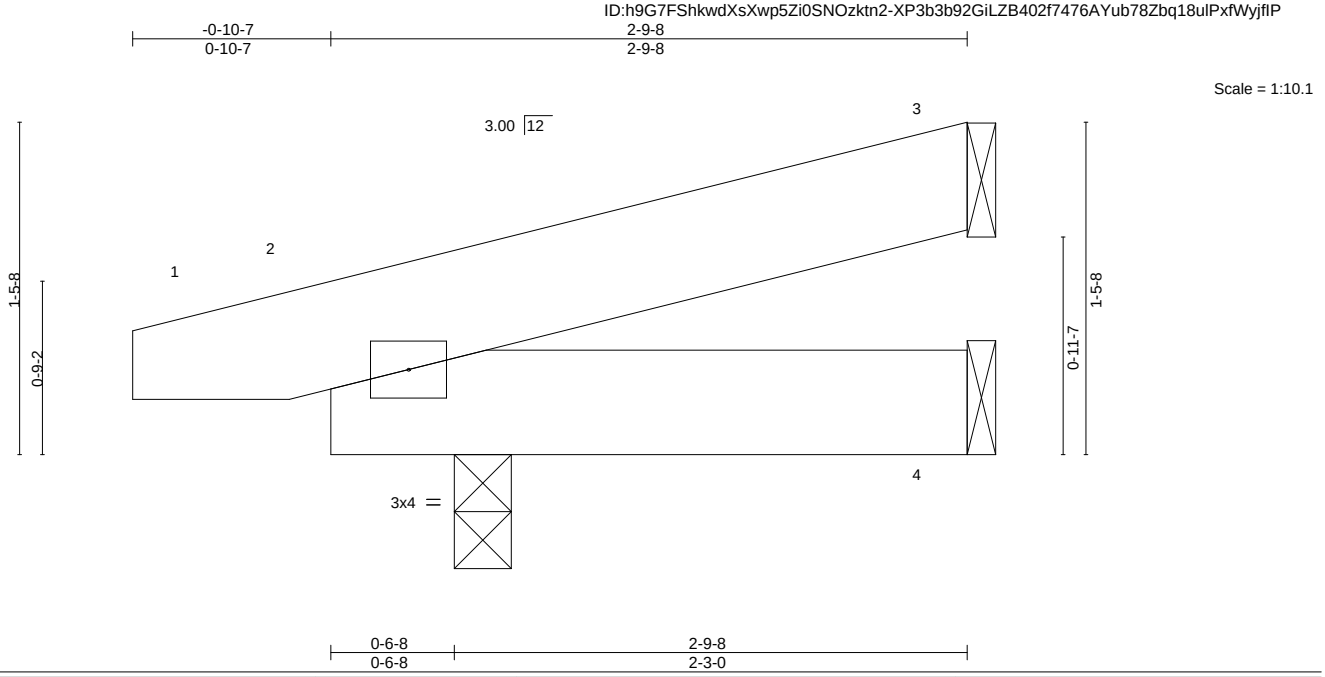
Vert: 1-3=-60, 3-5=-60, 6-10=-20

Concentrated Loads (lb)

Vert: 5=-22(B) 6=-2(B) 18=4(B) 19=4(B) 20=4(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Jordan/
2434719	J24	Jack-Open	4	1	I42605432
					Job Reference (optional)

Builders FirstSource, Sumter, SC - 29153, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Aug 27 11:57:08 2020 Page 1
ID:h9G7FShkwdXsXwp5Zi0SNOzktn2-XP3b3b92GiLZB402f7476AYub78Zbq18ulPxfWyjfIP



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	-0.00	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	5	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.00	8	>999	240	Weight: 16 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-0, 4=Mechanical
Max Horz 2=60(LC 8)
Max Uplift 3=-56(LC 12), 2=-187(LC 8), 4=-20(LC 9)
Max Grav 3=49(LC 1), 2=190(LC 1), 4=33(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=150mph (3-second gust) Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ; end vertical left exposed; porch 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) 3, 4 except (jt=lb) 2=187.

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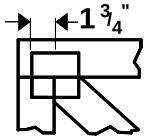
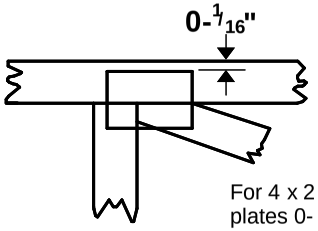
Symbols

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.

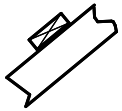
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

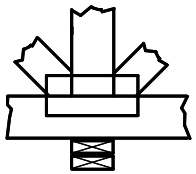
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

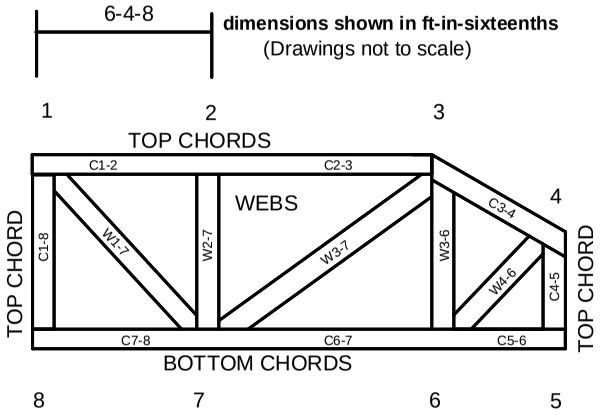


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.