ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 1669955
H&H/Calabash/

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

Pages or sheets covered by this seal: E12650805 thru E12650908

My license renewal date for the state of North Carolina is December 31, 2019.

North Carolina COA: C-0844

January 30,2019

Gilbert, Eric

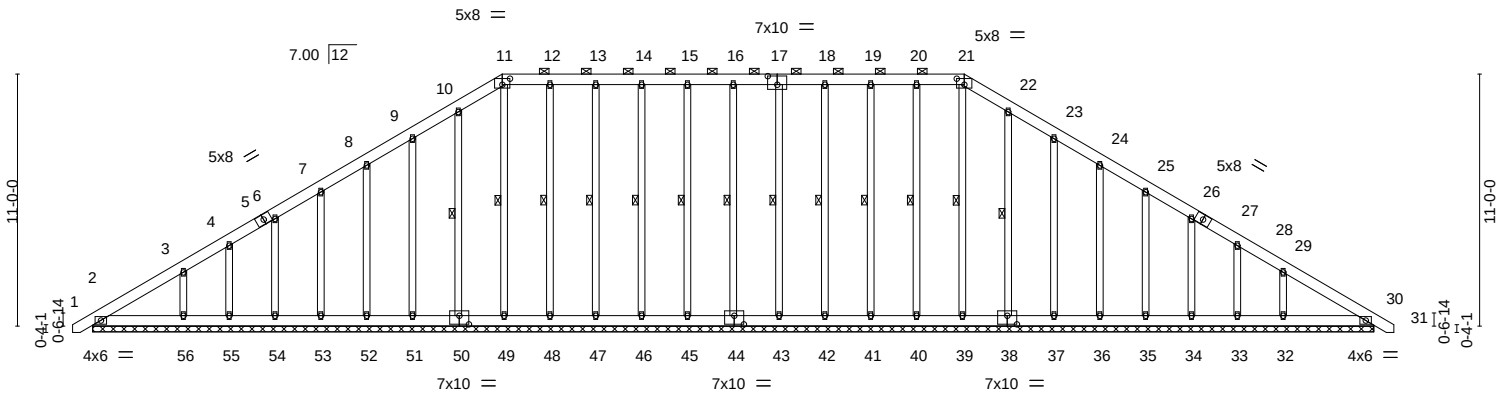
IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650805
1669955	A01	GABLE	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:25 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-u2qqaG4iTpKFzhrTx3rRNy_?lYl?dYm1jfc?3YzqBs0

-0-10-8 | 17-10-8 | 38-0-8 | 55-11-0 | 56-9-8
0-10-8 | 17-10-8 | 20-2-0 | 17-10-8 | 0-10-8

Scale = 1:100.6



55-11-0
55-11-0

Plate Offsets (X,Y)-- [11:0-4-0,0-3-3], [17:0-5-0,0-4-8], [21:0-4-0,0-3-3], [38:0-5-0,0-4-8], [44:0-5-0,0-4-8], [50:0-5-0,0-4-8]

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	0.08	Vert(LL)	0.00	31	n/r	120	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.05	Vert(CT)	0.00	31	n/r	120		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.17	Horz(CT)	0.01	30	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S							Weight: 559 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 11-21.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 16-44, 15-45, 14-46, 13-47, 12-48, 11-49, 10-50, 17-43, 18-42, 19-41, 20-40, 21-39, 22-38

REACTIONS. All bearings 55-11-0.
(lb) - Max Horz 2=309(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 43, 42, 41, 40, 38, 37, 36, 35, 34, 33 except 56=-141(LC 12), 32=-140(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 30, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33 except 56=338(LC 19), 32=336(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-281/256, 9-10=-216/268, 10-11=-254/297, 11-12=-235/281, 12-13=-235/281, 13-14=-235/281, 14-15=-235/281, 15-16=-235/281, 16-17=-234/281, 17-18=-234/281, 18-19=-234/281, 19-20=-234/281, 20-21=-234/280, 21-22=-253/296
WEBS 3-56=-250/172, 29-32=-251/170

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 43, 42, 41, 40, 38, 37, 36, 35, 34, 33 except (jt=lb) 56=141, 32=140.
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.

January 30,2019

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818 Soundside Road
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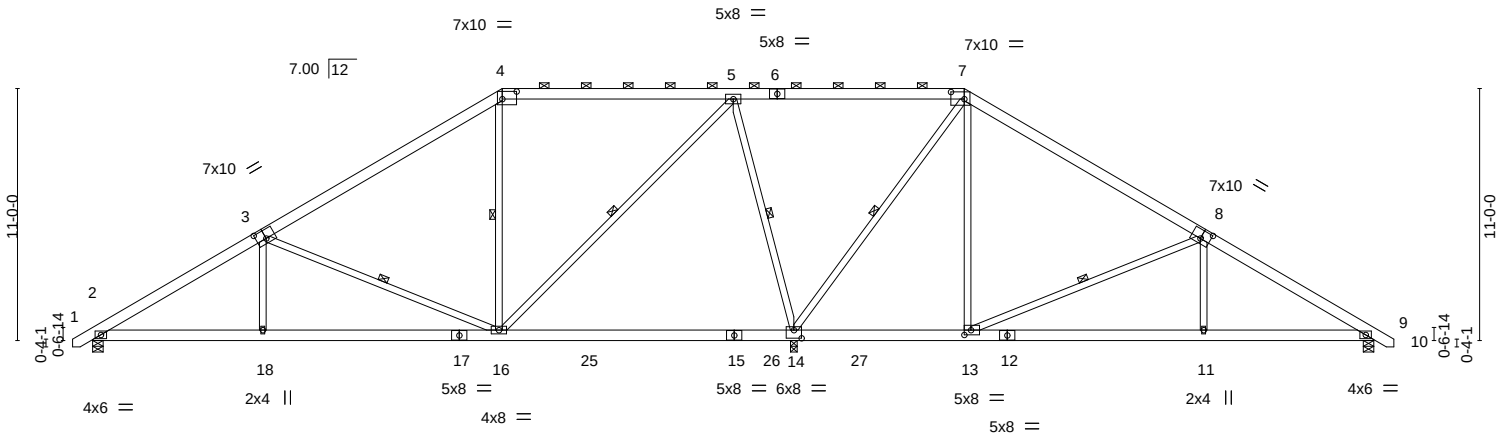
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650806
1669955	A02	PIGGYBACK BASE	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:27 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-rRyb?y5z?QazC_?s3UuvSN3C5MH85G5JAz567RzqBs_

-0-10-8	7-5-2	17-10-8	27-11-8	38-0-8	48-5-14	55-11-0	56-9-8
0-10-8	7-5-2	10-5-6	10-1-0	10-1-0	10-5-6	7-5-2	0-10-8

Scale = 1:100.6



7-5-2	17-10-8	30-7-4	38-0-8	48-5-14	55-11-0
7-5-2	10-5-6	12-8-12	7-5-4	10-5-6	7-5-2

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

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	0.66	Vert(LL)	-0.27	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.65	Vert(CT)	-0.41	14-16	>889	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.95	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.05	16-18	>999	240	Weight: 409 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-16,7-14: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-16, 4-16, 5-16, 5-14, 7-14, 8-13

REACTIONS. (lb/size) 2=1040/0-5-8, 14=2737/0-3-8, 9=781/0-5-8
Max Horz 2=309(LC 11)
Max Uplift 2=-225(LC 12), 14=-214(LC 12), 9=-230(LC 13)
Max Grav 2=1090(LC 23), 14=2747(LC 2), 9=835(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1652/421, 3-4=-891/313, 4-5=-631/369, 5-7=0/641, 7-8=-374/227, 8-9=-1170/347
BOT CHORD 2-18=-392/1424, 16-18=-392/1423, 14-16=-503/298, 11-13=-186/969, 9-11=-186/970
WEBS 3-18=0/343, 3-16=-924/418, 4-16=-269/173, 5-16=-233/1206, 5-14=-1530/528, 7-14=-1260/331, 7-13=-61/588, 8-13=-954/404, 8-11=0/398

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=225, 14=214, 9=230.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650807
1669955	A03	PIGGYBACK BASE	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 11:54:38 2019 Page 1

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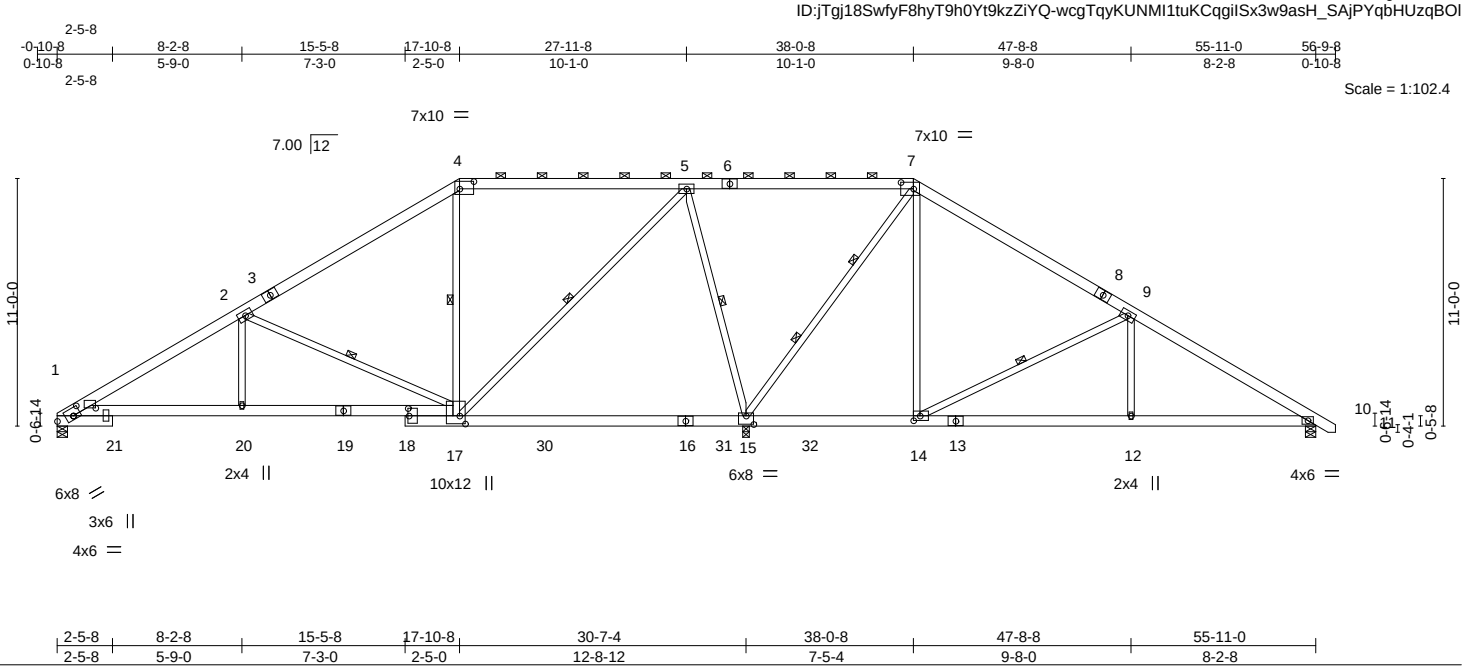

Plate Offsets (X,Y)-- [1:0-11-14,0-4-3], [1:0-2-14,0-8-9], [1:0-4-0,0-3-15], [4:0-7-8,0-4-0], [7:0-6-12,0-3-8], [14:0-3-8,0-2-8], [15:0-4-0,0-4-8], [17:0-4-4,0-3-0], [18:0-4-0,0-0-8]

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	0.71	Vert(LL)	-0.24	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.38	15-17	>978	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.09	17-20	>999	240	Weight: 414 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-17,7-15: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 2-17, 4-17, 5-17, 5-15, 9-14 2 Rows at 1/3 pts 7-15

REACTIONS. (lb/size) 1=894/0-5-8, 15=2878/0-3-8, 10=700/0-5-8
Max Horz 1=-305(LC 8)
Max Uplift 1=-183(LC 12), 15=-290(LC 12), 10=-232(LC 13)
Max Grav 1=940(LC 23), 15=2878(LC 1), 10=798(LC 24)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1534/372, 2-3=-762/212, 3-4=-624/265, 4-5=-542/321, 5-6=-41/835, 6-7=-41/835, 7-8=-149/287, 8-9=-283/234, 9-10=-1039/339, 10-11=0/21
BOT CHORD	1-21=-345/1389, 20-21=-345/1389, 19-20=-345/1389, 18-19=-345/1389, 17-18=-351/1371, 17-30=-654/326, 16-30=-657/324, 16-31=-657/324, 15-31=-657/324, 15-32=-270/251, 14-32=-270/251, 13-14=-161/845, 12-13=-161/845, 10-12=-161/845
WEBS	2-20=0/333, 2-17=-959/446, 4-17=-282/176, 5-17=-260/1293, 5-15=-1598/554, 7-15=-1346/364, 7-14=-79/612, 9-14=-917/387, 9-12=0/396

NOTES- (11)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 1, 290 lb uplift at joint 15 and 232 lb uplift at joint 10.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) 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) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
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.

LOAD CASE(S) Standard

January 30,2019

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650808
1669955	A04	PIGGYBACK BASE	27	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 11:55:42 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-3wYfGr6dJ1MyYkDVa6rJ2QisGNi8zRX87WK_XnzqBNl

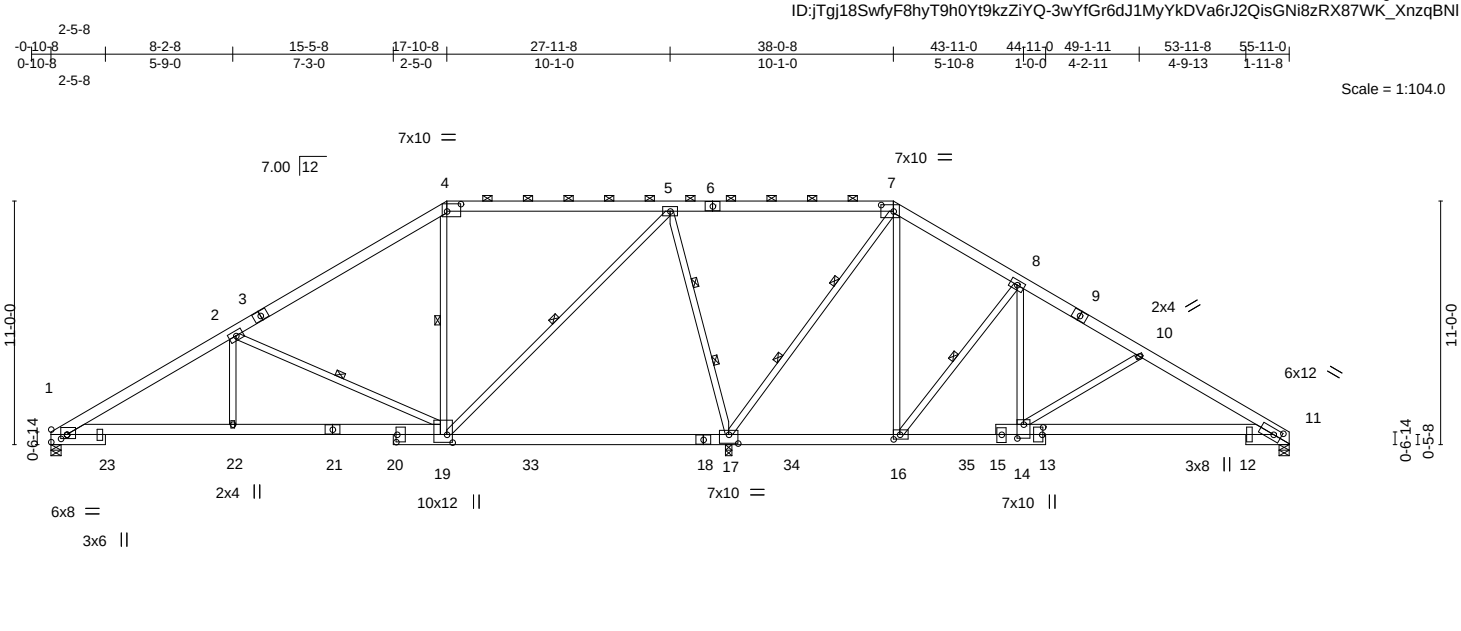

Plate Offsets (X,Y)-- [1:0-2-13,0-8-9], [1:0-4-0,0-8-9], [1:0-3-4,0-2-3], [4:0-7-8,0-4-0], [7:0-6-12,0-3-8], [11:0-4-4,0-3-2], [13:0-4-0,0-0-8], [14:0-7-8,0-3-8], [16:0-3-8,0-2-8], [17:0-5-0,0-4-12], [19:0-4-4,0-3-0], [20:0-4-0,0-0-8]

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	0.76	Vert(LL)	-0.24	17-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.37	17-19	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.09	19-22	>999	240	Weight: 430 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-19,7-17: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-19, 5-19, 2-19, 8-16 2 Rows at 1/3 pts 5-17, 7-17

REACTIONS. (lb/size) 1=815/0-5-8, 11=549/0-5-8, 17=3047/0-3-8 (req. 0-3-10)
Max Horz 1=-294(LC 8)
Max Uplift1=-202(LC 12), 11=-200(LC 13), 17=-251(LC 12)
Max Grav 1=897(LC 23), 11=655(LC 20), 17=3052(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1446/368, 2-3=-676/206, 3-4=-518/259, 4-5=-454/315, 5-6=-5/1060, 6-7=-5/1060, 7-8=-30/400, 8-9=-453/277, 9-10=-531/260, 10-11=-852/359
BOT CHORD	1-23=-400/1254, 22-23=-400/1254, 21-22=-400/1254, 20-21=-400/1254, 19-20=-406/1236, 19-33=-836/303, 18-33=-840/301, 17-18=-838/301, 17-34=-433/228, 16-34=-433/228, 16-35=-69/368, 15-35=-69/368, 14-15=-60/403, 13-14=-215/674, 12-13=-207/712, 11-12=-190/453
WEBS	2-22=0/333, 4-19=-360/174, 5-19=-258/1380, 5-17=-1681/565, 7-17=-1418/365, 7-16=-163/727, 2-19=-952/449, 8-16=-836/279, 8-14=-39/608, 10-14=-463/260

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) WARNING: Required bearing size at joint(s) 17 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 1, 200 lb uplift at joint 11 and 251 lb uplift at joint 17.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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) 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.

January 30,2019

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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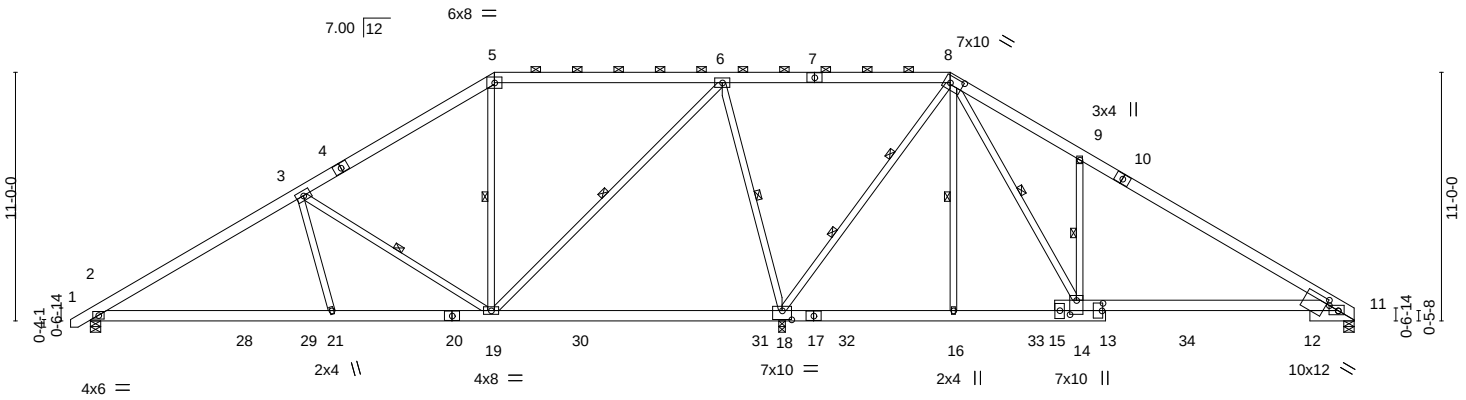
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650809
1669955	A05	PIGGYBACK BASE	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 11:56:33 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-3k7xzHjdIiojAZdI4KGGcBKaPw5OQTEesyBBpJzqBMy

-0-10-8	9-3-9	17-10-8	27-11-8	38-0-8	43-11-0	53-11-8	55-11-0
0-10-8	9-3-9	8-7-0	10-1-0	10-1-0	5-10-8	10-0-8	1-11-8

Scale = 1:101.9



10-8-2	17-10-8	30-7-4	38-0-8	44-11-0	53-11-8	55-11-0
10-8-2	7-2-6	12-8-12	7-5-4	6-10-8	9-0-8	1-11-8

Plate Offsets (X,Y)-- [8:0-6-12,0-3-8], [11:0-6-15,0-2-8], [11:0-4-12,Edge], [13:0-4-0,0-0-8], [14:0-7-8,0-3-8], [18:0-5-0,0-4-12]

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	0.76	Vert(LL)	-0.26	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.67	Vert(CT)	-0.41	18-19	>889	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.99	Horz(CT)	0.05	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.17	14-25	>999	240	Weight: 419 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 9-14: 2x4 SP No.2
WEBS	2x4 SP No.3 *Except* 6-19,8-18: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-8.	
BOT CHORD	Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 9-14	
WEBS	1 Row at midpt	3-19, 5-19, 6-19, 6-18, 8-16, 8-14
	2 Rows at 1/3 pts	8-18

REACTIONS. (lb/size) 2=947/0-5-8, 11=613/0-5-8, 18=2937/0-3-8 (req. 0-3-12)
Max Horz 2=305(LC 9)
Max Uplift 2=-230(LC 12), 11=-176(LC 13), 18=-226(LC 13)
Max Grav 2=1044(LC 23), 11=711(LC 20), 18=3166(LC 2)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/21, 2-3=-1407/362, 3-4=-762/240, 4-5=-621/288, 5-6=-538/327, 6-7=0/940, 7-8=0/940, 8-9=-786/475, 9-10=-505/219, 10-11=-733/184
BOT CHORD	2-28=-392/1153, 28-29=-392/1153, 21-29=-392/1153, 20-21=-368/1218, 19-20=-368/1218, 19-30=-758/343, 30-31=-758/343, 18-31=-758/343, 17-18=-353/227, 17-32=-353/227, 16-32=-353/227, 16-33=-353/227, 15-33=-353/227, 14-15=-321/231, 13-14=-30/482, 13-34=-19/541, 12-34=-19/541, 11-12=-19/541, 9-14=-684/467
WEBS	3-21=0/349, 3-19=-936/367, 5-19=-284/138, 6-19=-250/1353, 6-18=-1641/572, 8-18=-1445/353, 8-16=-11/154, 8-14=-440/1393

NOTES- (12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) WARNING: Required bearing size at joint(s) 18 greater than input bearing size.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2, 176 lb uplift at joint 11 and 226 lb uplift at joint 18.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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) 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.

January 30,2019

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ***ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information*** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650810
1669955	A06	ATTIC	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 11:57:44 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-UOwntZa9aWkeBUYxkk1w?9mjaYGmZbQ5BVuRpizqBLr

-0-10-8	9-3-9	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	44-11-0	49-0-6	53-11-8	55-11-0
0-10-8	9-3-9	8-7-0	1-9-4	8-2-4	8-2-4	2-0-4	6-10-8	4-1-6	4-11-2	1-11-8

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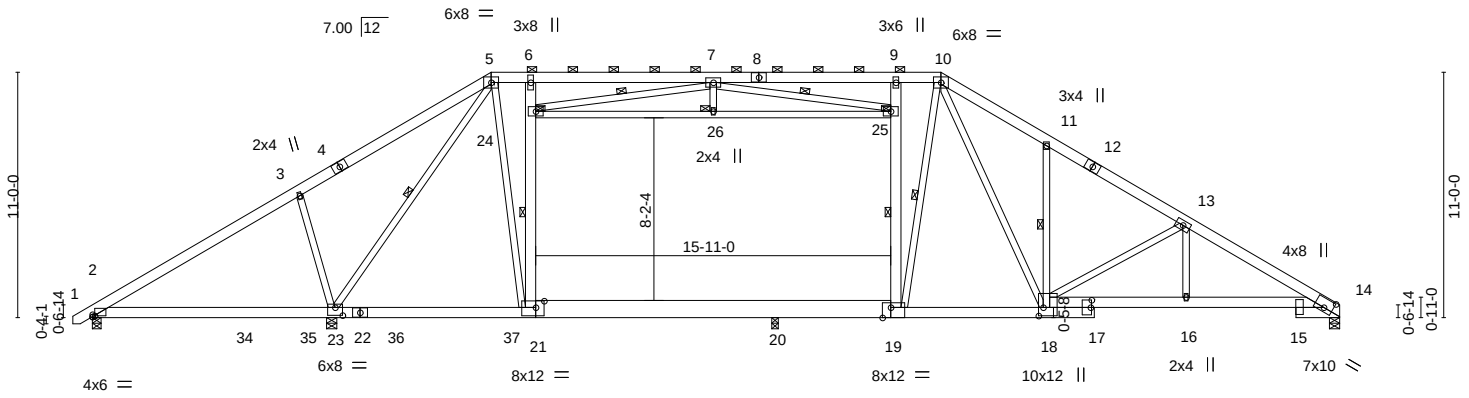

10-8-12	19-7-12	30-7-4	36-0-4	42-11-0	44-11-0	49-0-6	53-11-8	55-11-0
10-8-12	8-11-0	10-11-8	5-5-0	6-10-12	2-0-0	4-1-6	4-11-2	1-11-8

Plate Offsets (X,Y)-- [2:0-1-5,0-0-8], [2:0-1-3,0-0-0], [14:0-4-12,0-4-13], [17:0-4-0,0-0-8], [18:0-4-8,0-2-8], [19:0-4-8,Edge], [21:0-4-8,0-3-8], [23:0-4-0,0-4-4]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.75	Vert(LL)	-0.27	18-19	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.94	Vert(CT)	-0.52	18-19	>575	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.95	Horz(CT)	0.09	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.26	18-19	>999	240	Weight: 506 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-18: 2x4 SP No.2, 17-19: 2x6 SP No.1, 19-21: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-21,9-19: 2x6 SP No.2, 24-25,5-23: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-11-6 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-18
WEBS 1 Row at midpt 21-24, 19-25, 10-19, 7-24, 7-25, 5-23
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. (lb/size) 2=1074/0-4-11, 14=1629/0-5-8, 23=1192/0-5-8, 20=1080/0-3-8
Max Horz 2=305(LC 9)
Max Uplift 2=-216(LC 8), 14=-230(LC 13), 23=-393(LC 9)
Max Grav 2=1074(LC 1), 14=1629(LC 1), 23=1930(LC 26), 20=1592(LC 27)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-1487/467, 3-4=-1389/496, 4-5=-1337/543, 5-6=-1525/454, 6-7=-1372/419, 7-8=-1623/450, 8-9=-1623/450, 9-10=-1562/458, 10-11=-2419/655, 11-12=-2344/511, 12-13=-2471/478, 13-14=-3059/568
BOT CHORD 2-34=-97/1221, 34-35=-97/1221, 23-35=-97/1221, 22-23=-22/1348, 22-36=-22/1348, 36-37=-22/1348, 21-37=-22/1348, 20-21=-25/1539, 19-20=-25/1554, 18-19=-33/1567, 17-18=-412/2642, 16-17=-409/2660, 15-16=-409/2660, 14-15=-409/2660, 11-18=-317/254
WEBS 3-23=-599/433, 5-21=-171/1266, 21-24=-1001/418, 6-24=-591/337, 24-26=-462/1278, 25-26=-462/1278, 19-25=-803/376, 9-25=-434/295, 10-19=-317/344, 7-24=-1485/504, 7-26=0/102, 7-25=-1257/490, 10-18=-375/1130, 5-23=-1316/196, 13-18=-776/279, 13-16=0/270

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left 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 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).21-24, 19-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21, 19-20
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 2, 230 lb uplift at joint 14 and 393 lb uplift at joint 23.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

Continued on page 2

January 30,2019

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14) 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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650811
1669955	A07	ATTIC	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:35 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-c_RcghB_7tar9DcOX91nn3Pcfaxrzx3V0C2XOzzqBrs

-0-10-8	9-6-12	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	46-4-4	55-11-0
0-10-8	9-6-12	8-3-12	1-9-4	8-2-4	8-2-4	2-0-4	8-3-12	9-6-12

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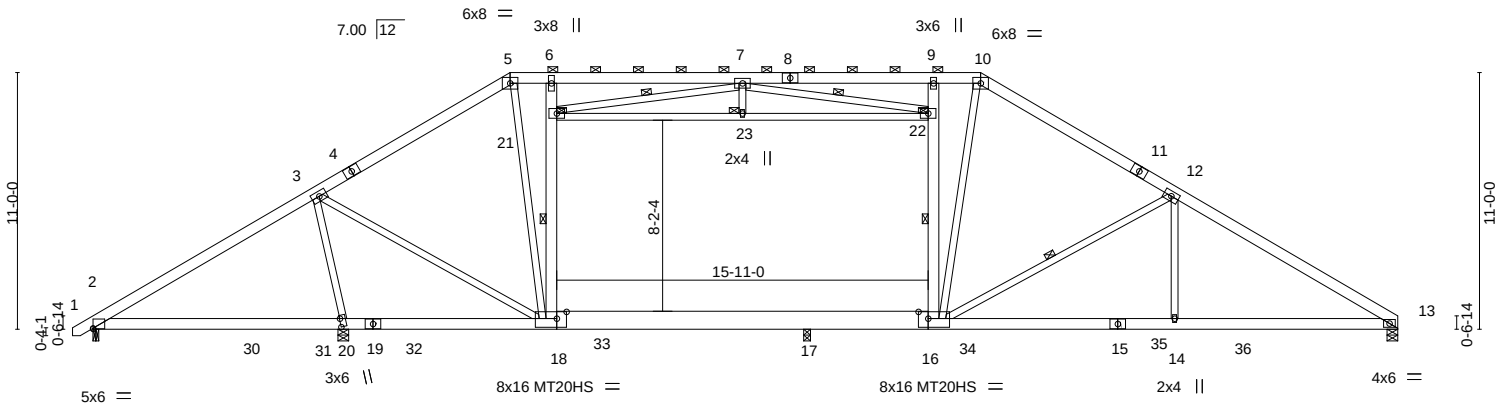

10-8-12	19-7-12	30-7-4	36-0-4	38-0-8	46-4-4	55-11-0
10-8-12	8-11-0	10-11-8	5-5-0	2-0-4	8-3-12	9-6-12

Plate Offsets (X,Y)-- [2:Edge,0-0-4], [16:0-5-0,0-3-8], [18:0-5-0,0-3-8], [20:0-4-6,0-0-4]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	0.56	Vert(LL)	-0.37	14-16	>817	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.98	Vert(CT)	-0.70	14-16	>432	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr YES	WB	0.76	Horz(CT)	0.08	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.28	14-16	>999	240	Weight: 478 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
15-16: 2x6 SP No.1, 16-18: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-18,9-16: 2x6 SP No.2, 21-22: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (4-5-15 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 18-21, 16-22, 7-21, 7-22, 12-16
JOINTS 1 Brace at Jt(s): 21, 22, 23

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 17=0-3-8.
(lb) - Max Horz 2=305(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-223(LC 13), 20=-421(LC 9), 13=-224(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=1261(LC 1), 20=1617(LC 26), 13=1846(LC 2), 17=1587(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1869/469, 3-5=-2171/451, 5-6=-1954/480, 6-7=-1761/452, 7-9=-2062/466, 9-10=-1991/481, 10-12=-2228/452, 12-13=-3194/539
BOT CHORD 2-20=-108/1516, 18-20=-171/1427, 17-18=-44/1977, 16-17=-45/1991, 14-16=-327/2671, 13-14=-327/2671
WEBS 3-20=-1234/503, 3-18=-204/851, 5-18=-284/1123, 18-21=-1026/407, 6-21=-608/325, 21-23=-466/1283, 22-23=-466/1283, 16-22=-758/401, 9-22=-391/321, 10-16=-127/850, 12-14=0/490, 7-21=-1530/502, 7-22=-1249/489, 12-16=-1136/391

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 5x8 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 21-23, 22-23; Wall dead load (5.0psf) on member(s).18-21, 16-22
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18, 16-17
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 223 lb uplift at joint 2, 421 lb uplift at joint 20 and 224 lb uplift at joint 13.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

ENGINEERING BY TRENCO A MiTek Affiliate
818 Soundside Road
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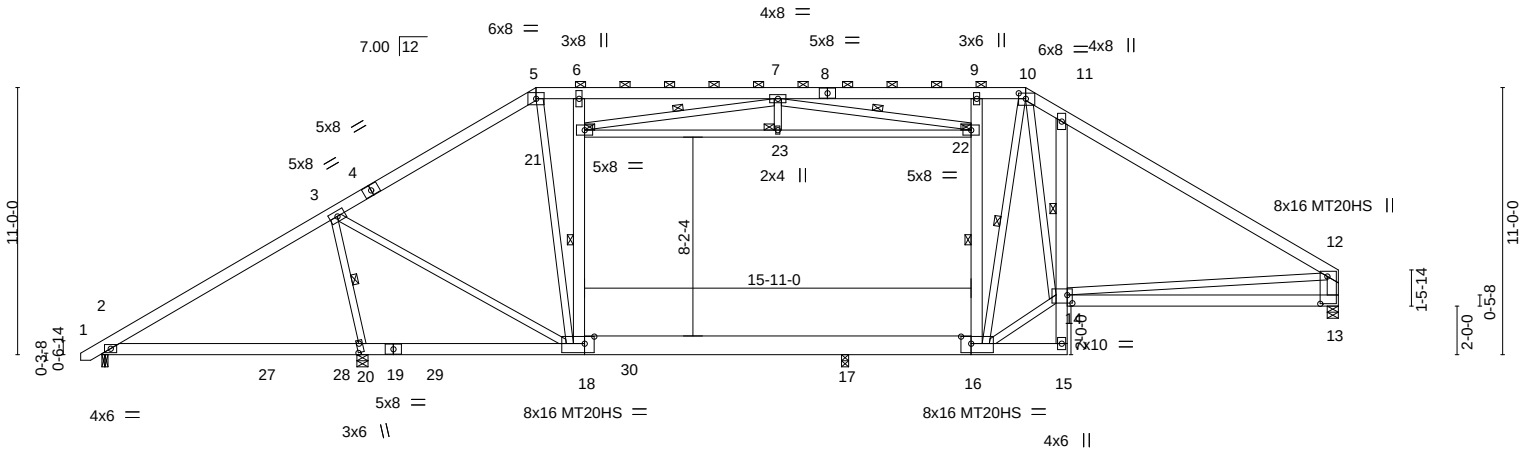
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650812
1669955	A08	ATTIC	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:37 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-YMZN5NDEeVqYPXmnea3FsUUyGOhZRs9oTWXeTrzqBrq

-0-10-8	9-6-12	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	44-4-0	50-11-0
0-10-8	9-6-12	8-3-12	1-9-4	8-2-4	8-2-4	2-0-4	6-3-8	6-7-0

Scale = 1:94.9



10-8-12	19-7-12	30-7-4	36-0-4	38-0-8	39-9-0	44-4-0	49-5-8	50-11-0
10-8-12	8-11-0	10-11-8	5-5-0	2-0-4	1-8-8	4-7-0	5-1-8	1-5-8

Plate Offsets (X,Y)-- [10:0-3-8,0-2-12], [12:1-1-8,0-3-8], [13:0-0-0,0-2-12], [14:0-2-8,0-4-0], [16:0-5-0,0-3-8], [18:0-4-12,0-3-8], [20:0-4-6,0-1-4]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	0.49	Vert(LL)	-0.12	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.64	Vert(CT)	-0.26	13-14	>930	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr YES	WB	0.66	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.16	20-26	>809	240	Weight: 485 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 16-18: 2x10 SP DSS
WEBS	2x4 SP No.3 *Except* 6-18,9-16,12-13: 2x6 SP No.2, 21-22: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-7-6 max.): 5-10.
BOT CHORD	Rigid ceiling directly applied. Except: 1 Row at midpt 11-14
WEBS	1 Row at midpt 3-20, 18-21, 16-22, 7-21, 7-22, 10-16
JOINTS	1 Brace at Jt(s): 21, 22, 23

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 17=0-3-8.
(lb) - Max Horz 2=295(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-191(LC 8), 20=-341(LC 9), 13=-157(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=806(LC 1), 20=2242(LC 26), 13=1534(LC 1), 17=1300(LC 18)

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

TOP CHORD	2-3=-959/423, 3-5=-1527/378, 5-6=-1301/409, 6-7=-1245/393, 7-9=-1307/385, 9-10=-1315/409, 10-11=-1956/619, 11-12=-2096/391, 12-13=-1407/337
BOT CHORD	2-20=-172/763, 18-20=-410/569, 17-18=-99/1300, 16-17=-98/1309, 13-14=-189/657, 11-14=-591/521
WEBS	3-20=-1863/583, 3-18=-156/1530, 5-18=-275/766, 18-21=-941/404, 6-21=-549/322, 21-23=-462/1263, 22-23=-462/1263, 16-22=-874/359, 9-22=-498/279, 7-21=-1387/496, 7-22=-1301/490, 12-14=-104/1013, 10-14=-420/1381, 10-16=-333/38, 14-16=0/1362

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 21-23, 22-23; Wall dead load (5.0psf) on member(s).18-21, 16-22
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18, 16-17
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 2, 341 lb uplift at joint 20 and 157 lb uplift at joint 13.
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.

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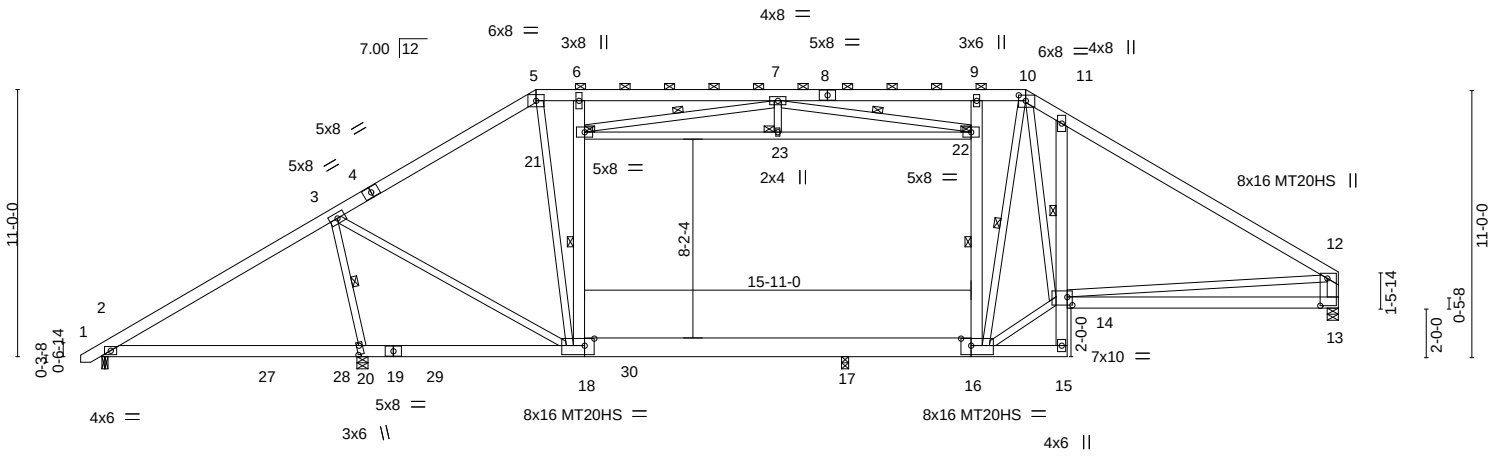
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650813
1669955	A09	ATTIC	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:38 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-0Z7lJiEsPoyP0gLzClaUOh070o1oAJPxiAGB?IzqBrp

-0-10-8	9-6-12	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	44-4-0	50-11-0
0-10-8	9-6-12	8-3-12	1-9-4	8-2-4	8-2-4	2-0-4	6-3-8	6-7-0

Scale = 1:94.9



10-8-12	19-7-12	30-7-4	36-0-4	38-0-8	39-9-0	44-4-0	49-5-8	50-11-0
10-8-12	8-11-0	10-11-8	5-5-0	2-0-4	1-8-8	4-7-0	5-1-8	1-5-8

Plate Offsets (X,Y)-- [10:0-3-8,0-2-12], [12:1-1-8,0-3-8], [13:0-0-0,0-2-12], [14:0-2-8,0-4-0], [16:0-5-0,0-3-8], [18:0-4-12,0-3-8], [20:0-4-6,0-1-4]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.15	TC	0.49	Vert(LL)	-0.12	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.64	Vert(CT)	-0.26	13-14	>930	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr YES	WB	0.66	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.16	20-26	>809	240	Weight: 485 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 16-18: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except* 6-18,9-16,12-13: 2x6 SP No.2, 21-22: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-7-6 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 11-14
WEBS 1 Row at midpt 3-20, 18-21, 16-22, 7-21, 7-22, 10-16
JOINTS 1 Brace at Jt(s): 21, 22, 23

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 17=0-3-8.
(lb) - Max Horz 2=295(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-191(LC 8), 20=-341(LC 9), 13=-157(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=806(LC 1), 20=2242(LC 26), 13=1534(LC 1), 17=1300(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-959/423, 3-5=-1527/378, 5-6=-1301/409, 6-7=-1245/393, 7-9=-1307/385, 9-10=-1315/409, 10-11=-1956/619, 11-12=-2096/391, 12-13=-1407/337
BOT CHORD 2-20=-172/763, 18-20=-410/569, 17-18=-99/1300, 16-17=-98/1309, 13-14=-189/657, 11-14=-591/521
WEBS 3-20=-1863/583, 3-18=-156/1530, 5-18=-275/766, 18-21=-941/404, 6-21=-549/322, 21-23=-462/1263, 22-23=-462/1263, 16-22=-874/359, 9-22=-498/279, 7-21=-1387/496, 7-22=-1301/490, 12-14=-104/1013, 10-14=-420/1381, 10-16=-333/38, 14-16=0/1362

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 21-23, 22-23; Wall dead load (5.0psf) on member(s).18-21, 16-22
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18, 16-17
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 191 lb uplift at joint 2, 341 lb uplift at joint 20 and 157 lb uplift at joint 13.
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.

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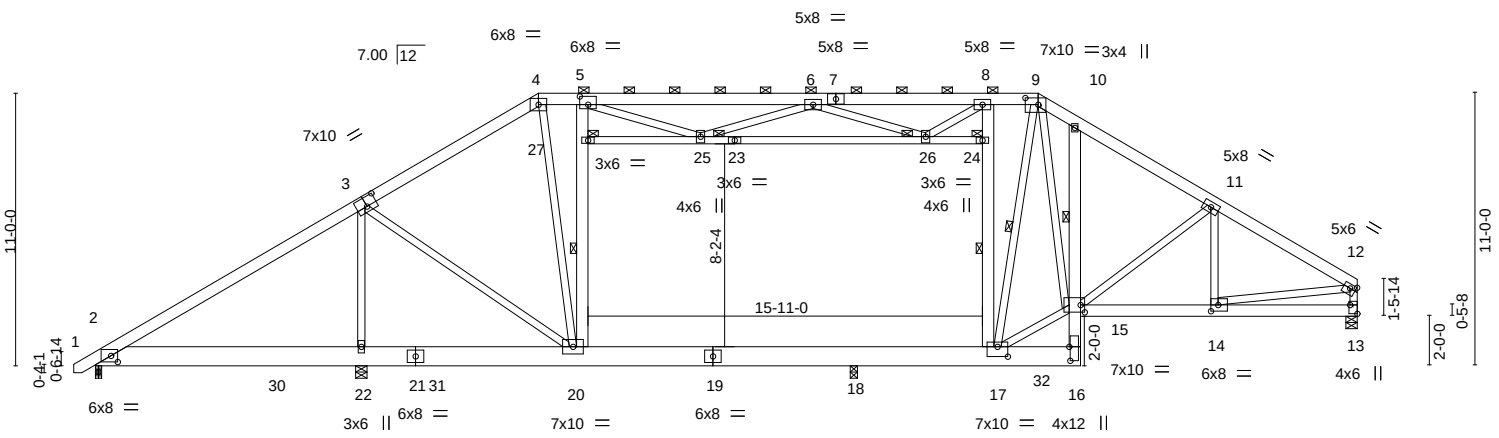
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650814
1669955	A10	ATTIC GIRDER	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:40 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-yxEVjOF7xQD7G_VMJjdyU66Ribl4e9tE9UlI4AzqBrn

-0-10-8	10-8-12	17-10-8	19-7-12	28-10-2	28-11-8	36-0-4	38-0-8	45-1-14	50-11-0
0-10-8	10-8-12	7-1-12	1-9-4	9-2-6	0-1-6	7-0-12	2-0-4	7-1-6	5-9-2

Scale = 1:93.0



10-8-12	17-10-8	19-7-12	30-7-4	36-0-4	38-0-8	39-9-0	45-1-14	49-5-8	50-11-0
10-8-12	7-1-12	1-9-4	10-11-8	5-5-0	2-0-4	1-8-8	5-4-14	4-3-10	1-5-8

Plate Offsets (X,Y)-- [2:0-3-4,0-2-15], [3:0-5-0,0-4-8], [5:0-4-0,0-4-0], [9:0-6-4,0-3-4], [12:0-2-12,0-2-0], [13:Edge,0-3-8], [14:0-3-8,0-3-0], [15:0-2-0,0-3-8], [16:0-6-12,0-0-8], [17:0-5-0,0-4-12]

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	0.61	Vert(LL)	-0.16	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.30	16-17	>800	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.19	16-17	>999	240	Weight: 525 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except*
13-15,10-16: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-20,8-17: 2x6 SP No.2, 23-24,23-27: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-9 oc purlins, except end verticals, and 2-0-0 oc purlins (4-6-12 max.): 4-9.
BOT CHORD Rigid ceiling directly applied or 9-7-14 oc bracing. Except:
1 Row at midpt 10-15
WEBS 1 Row at midpt 20-27, 17-24, 9-17
JOINTS 1 Brace at Jt(s): 24, 25, 26, 27

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 18=0-3-8.
(lb) - Max Horz 2=295(LC 5)
Max Uplift All uplift 100 lb or less at joint(s) 18 except 2=-338(LC 4), 22=-148(LC 5), 13=-245(LC 4)
Max Grav All reactions 250 lb or less at joint(s) except 2=1020(LC 1), 22=1883(LC 22), 13=1794(LC 1), 18=1720(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1380/727, 3-4=-1688/368, 4-5=-1456/352, 5-6=-2168/537, 6-8=-2045/532, 8-9=-1500/376, 9-10=-2211/514, 10-11=-2380/487, 11-12=-2471/392, 12-13=-1727/270
BOT CHORD 2-22=-392/1087, 20-22=-382/1095, 18-20=-254/1517, 17-18=-254/1517, 16-17=-70/285, 14-15=-286/2065, 15-16=-244/796
WEBS 3-22=-1373/150, 3-20=-117/833, 4-20=-359/942, 20-27=-1034/435, 5-27=-938/440, 25-26=-523/1246, 17-24=-712/272, 8-24=-639/264, 5-25=-253/897, 6-25=-636/388, 6-26=-778/414, 8-26=-167/628, 12-14=-266/1923, 9-15=-354/1770, 9-17=-824/169, 15-17=-228/1555

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; porch left 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, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 25-27, 25-26, 24-26; Wall dead load (5.0psf) on member(s).20-27, 17-24
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-20, 17-18
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 2=338, 22=148, 13=245.
9) Magnitude of user added load(s) on this truss have been applied uniformly across all gravity load cases with no adjustments.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 651 lb down and 330 lb up at 35-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) Attic room checked for L/360 deflection.

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Continued on page 2

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NOTES- (14)

13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
14) 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

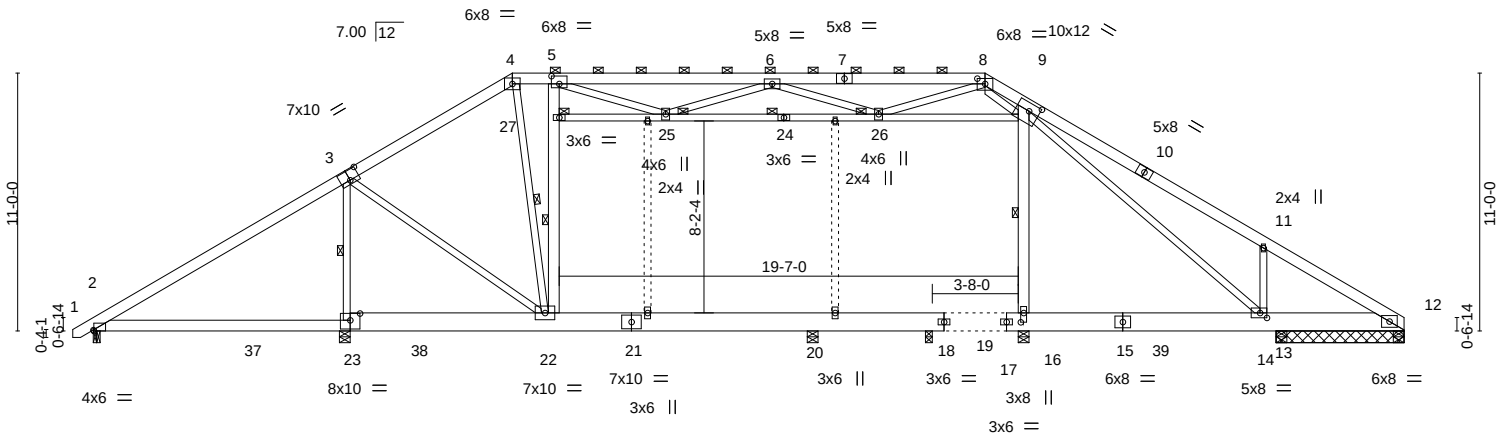
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-9=-60, 9-12=-60, 2-20=-20, 17-20=-30, 16-17=-20, 24-27=-10, 13-15=-20
   Drag: 20-27=-10, 17-24=-10
   Concentrated Loads (lb)
   Vert: 32=-635(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650815
1669955	A11	ATTIC	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:42 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-uKMF84HNT1TrVIfkR7fQZXBlxPPX64hXdoEO83zqBrl

-0-10-8 6-4-14 10-9-12 17-10-8 19-7-12 28-11-8 38-0-8 39-8-4 49-11-0 55-11-0
0-10-8 6-4-14 4-4-14 7-0-12 1-9-4 9-3-12 9-1-0 1-7-12 10-2-12 6-0-0

Scale = 1:98.3



MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

31-7-12
10-8-12 10-9-12 19-7-12 23-7-12 30-7-4 30-8-4 35-9-8 38-0-8 39-8-4 49-11-0 50-11-0 55-11-0
10-8-12 0-1-0 8-10-0 4-0-0 6-11-8 0-1-0 4-1-12 2-3-0 1-7-12 10-2-12 1-0-0 5-0-0
0-11-8

Plate Offsets (X,Y)-- [2:0-0-5,Edge], [3:0-5-0,0-5-0], [5:0-4-0,0-4-0], [8:0-4-0,0-2-12], [9:0-5-4,0-4-0], [14:0-3-8,0-2-8], [16:0-4-12,0-1-8], [23:0-5-0,0-3-8]

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	0.75	Vert(LL)	-0.12	20-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.22	20-22	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.16	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.15	23-34	>862	240	Weight: 539 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except*
2-23: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-22,9-16: 2x6 SP No.2, 9-24,24-27,9-14: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-5-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-23, 22-27, 25-26, 9-16, 4-22
JOINTS 1 Brace at Jt(s): 25, 26, 27

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-8, 12=Mechanical, 12=Mechanical, 19=0-3-8.
(lb) - Max Horz 23=305(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16, 12, 19 except 2=-758(LC 23), 23=-477(LC 9), 13=-391(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 12, 19 except 23=3272(LC 26), 16=1275(LC 2), 20=1342(LC 18), 13=896(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-424/2193, 3-4=-379/465, 4-5=-344/457, 5-6=-1168/698, 6-8=-1451/649, 8-9=-942/456, 9-11=-293/293
BOT CHORD 2-23=-1724/428, 22-23=-1651/132
WEBS 3-23=-2680/581, 22-27=-1037/427, 5-27=-942/432, 25-26=-876/2093, 9-26=-473/782, 9-16=-1126/265, 11-14=-561/422, 5-25=-413/1261, 6-25=-985/538, 6-26=-724/493, 8-26=-378/809, 4-22=-273/97, 3-22=-141/2018

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left 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) Ceiling dead load (5.0 psf) on member(s). 25-27, 25-26, 9-26; Wall dead load (5.0psf) on member(s).22-27, 9-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-22, 19-20, 18-19, 16-17
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 12, 19 except (jt=lb) 2=758, 23=477, 13=391.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650816
1669955	A12	ATTIC	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:44 2019 Page 1
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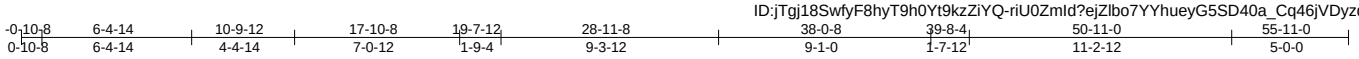

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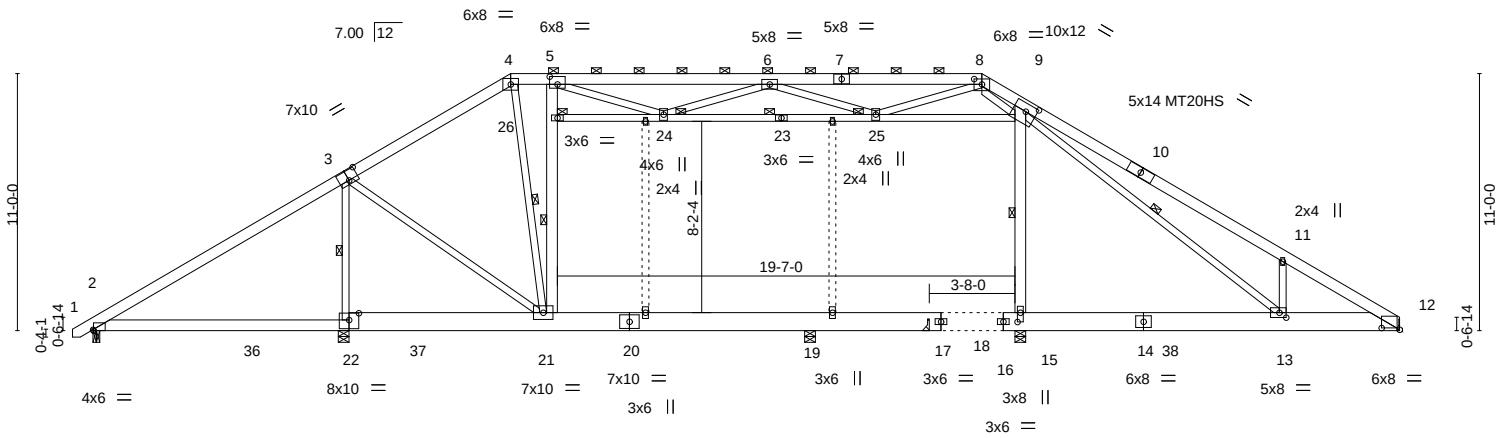

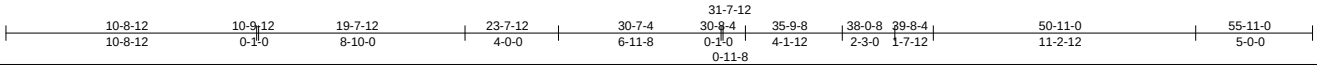

Plate Offsets (X,Y)-- [2:0-0-5,Edge], [3:0-5-0,0-5-0], [5:0-4-0,0-4-0], [8:0-4-0,0-2-12], [9:0-5-8,0-4-0], [12:0-9-4,0-0-15], [13:0-3-8,0-2-8], [15:0-4-12,0-1-8], [22:0-5-0,0-3-8]

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	0.75	Vert(LL)	-0.12	19-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.22	19-21	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.15	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.15	22-33	>862	240	Weight: 540 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except*
2-22: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-21,9-15: 2x6 SP No.2, 9-23,23-26,9-13: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-5-9 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-22, 21-26, 24-25, 9-15, 4-21, 9-13
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-8, 12=Mechanical, 18=Mechanical.
(lb) - Max Horz 22=305(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 18 except 2=-755(LC 23), 22=-481(LC 9), 15=-103(LC 13), 12=-259(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 18 except 22=3267(LC 26), 15=1533(LC 2), 12=688(LC 21), 19=1341(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-427/2188, 3-4=-378/464, 4-5=-343/456, 5-6=-1161/685, 6-8=-1428/610, 8-9=-909/485, 9-11=-1300/698, 11-12=-1101/397
BOT CHORD 2-22=-1720/431, 21-22=-1647/135, 12-13=-305/943
WEBS 3-22=-2675/575, 21-26=-1028/424, 5-26=-934/431, 24-25=-888/2079, 9-25=-510/739, 9-15=-1362/386, 11-13=-599/463, 5-24=-420/1253, 6-24=-978/545, 6-25=-748/508, 8-25=-413/865, 4-21=-272/96, 3-21=-144/2014, 9-13=-395/1213

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 24-26, 24-25, 9-25; Wall dead load (5.0psf) on member(s).21-26, 9-15
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-21, 18-19, 17-18, 15-16
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 2=755, 22=481, 15=103, 12=259.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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14) 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/Calabash/ E12650817
1669955	A13	ATTIC	36	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:46 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-n5bm_RKtXGzH_vyVgzjMjNMP20mE2rh6YQCcHqzqBrh

-0-10-8	6-4-14	10-9-12	17-10-8	19-7-12	28-11-8	38-0-8	39-8-4	44-5-5	49-11-0	55-11-0
0-10-8	6-4-14	4-4-14	7-0-12	1-9-4	9-3-12	9-1-0	1-7-12	4-9-1	5-5-11	6-0-0

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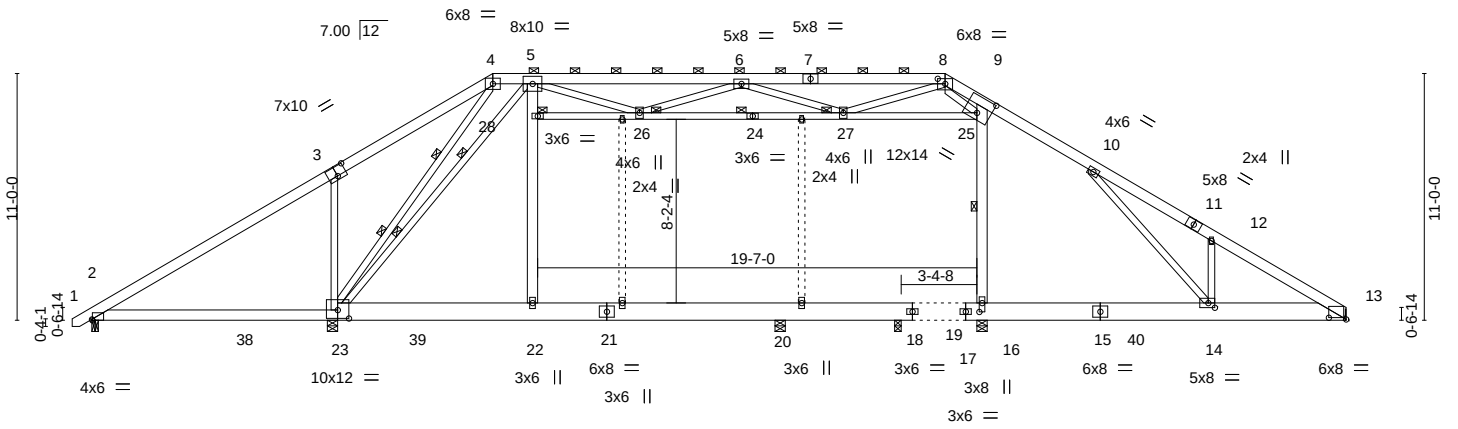

MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

10-8-12	10-9-12	19-7-12	23-7-12	30-7-4	30-8-4	31-7-12	36-1-0	38-0-8	39-8-4	49-11-0	55-11-0
10-8-12	0-1-0	8-10-0	4-0-0	6-11-8	0-1-0	0-11-8	4-5-4	1-11-8	1-7-12	10-2-12	6-0-0

Plate Offsets (X,Y)-- [2:0-0-5,Edge], [3:0-5-0,0-5-0], [8:0-4-0,0-2-12], [9:0-3-3,0-0-0], [13:0-9-4,0-0-15], [14:0-3-8,0-2-8], [16:0-4-12,0-1-8], [23:0-6-0,0-4-8], [25:0-7-0,0-8-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.12	14-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.23	14-16	>849	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.15	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.19	14-16	>999	240	Weight: 539 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 8-11: 2x6 SP No.1
BOT CHORD	2x10 SP DSS *Except* 2-23: 2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-22,9-16: 2x6 SP No.2, 24-25,24-28,5-23: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-9-13 max.): 4-8.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 26-27, 16-25 2 Rows at 1/3 pts 4-23, 5-23
JOINTS	1 Brace at Jt(s): 26, 27, 28

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-8, 13=Mechanical, 19=0-3-8.
(lb) - Max Horz 23=305(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 19 except 2=-822(LC 23), 16=-122(LC 13), 13=-253(LC 13), 23=-491(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 19 except 16=1605(LC 2), 13=655(LC 21), 23=3382(LC 26), 20=1304(LC 18)

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

TOP CHORD	2-3=-435/2318, 3-4=-262/2268, 4-5=-135/1200, 5-6=-1126/669, 6-8=-1273/569, 8-9=-593/658, 9-10=-135/397, 10-12=-845/450, 12-13=-610/207
BOT CHORD	2-23=-1831/437, 13-14=-102/508
WEBS	3-23=-705/479, 22-28=0/742, 5-28=0/755, 26-27=-913/1982, 25-27=-527/444, 16-25=-1356/369, 9-25=-1297/654, 12-14=-680/420, 5-26=-429/1186, 6-26=-912/554, 6-27=-839/531, 8-27=-378/1089, 8-25=-728/728, 4-23=-1353/63, 5-23=-1664/310, 10-14=-163/817

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left 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) Ceiling dead load (5.0 psf) on member(s). 26-28, 26-27, 25-27; Wall dead load (5.0psf) on member(s).22-28, 16-25
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-22, 19-20, 18-19, 16-17
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=822, 16=122, 13=253, 23=491.
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.

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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/Calabash/ E12650818
1669955	A14	ATTIC	36	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:47 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-FH98BnLWIZ58c3XiEhFbGbuY4Q8OnJ6Gn4y9pGzqBrg

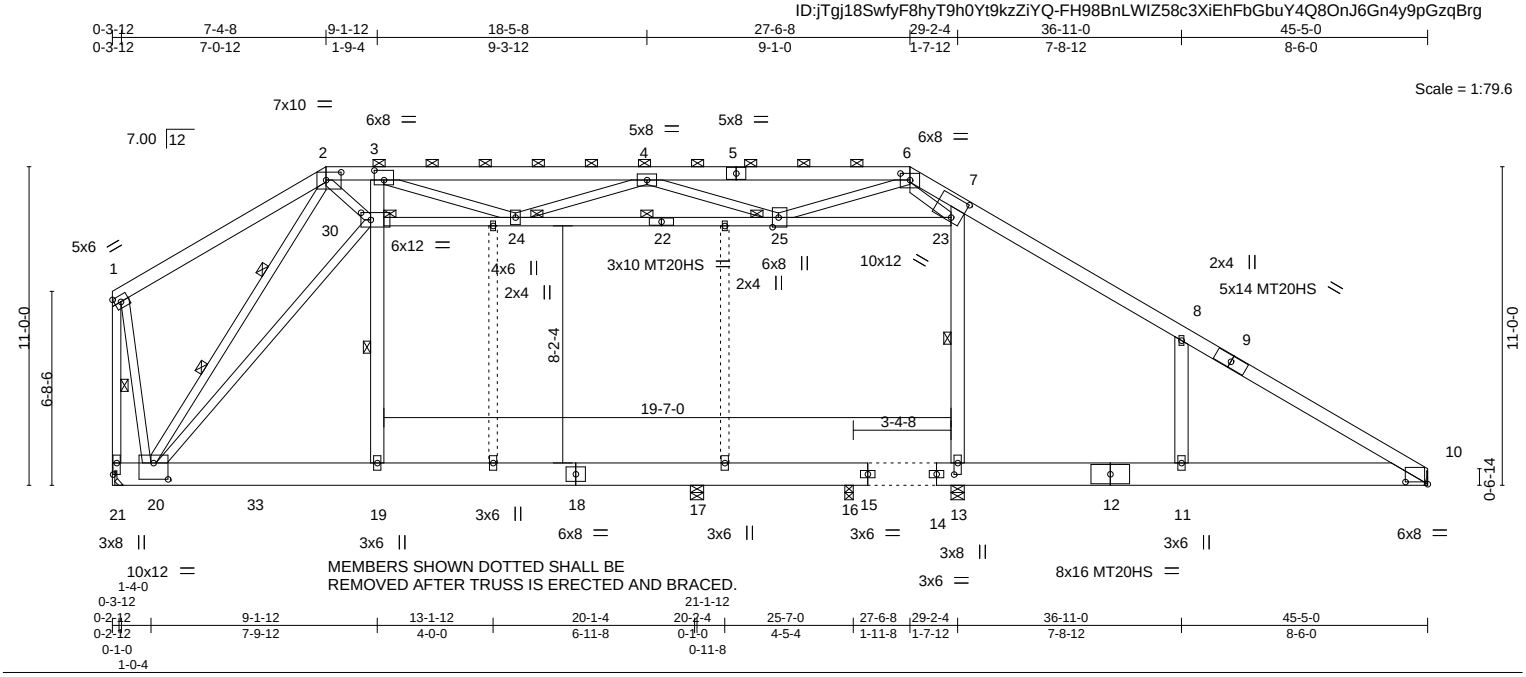

Plate Offsets (X,Y)-- [2:0-6-4,0-3-4], [3:0-4-0,0-4-0], [6:0-4-0,0-2-12], [7:0-3-3,0-0-0], [10:0-9-4,0-0-15], [13:0-4-12,0-1-8], [20:0-6-0,0-6-12], [21:0-4-12,0-1-8], [23:0-4-0,0-8-4], [25:0-4-0,0-2-8], [30:0-4-0,0-3-0]

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	0.98	Vert(LL)	-0.33	17-19	>736	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.60	17-19	>403	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.66	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.33	11-32	>587	240	Weight: 487 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 6-9: 2x6 SP No.1
BOT CHORD	2x10 SP DSS
WEBS	2x4 SP No.3 *Except* 3-19,7-13,8-11: 2x6 SP No.2, 22-23,22-30,2-20: 2x4 SP No.1 2-30: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-3-4 max.): 2-6.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 19-30, 24-25, 13-23, 1-21 2 Rows at 1/3 pts 2-20
JOINTS	1 Brace at Jt(s): 24, 25, 30

REACTIONS. All bearings 0-5-8 except (jt=length) 10=Mechanical, 21=Mechanical, 16=0-3-8.
(lb) - Max Horz 21=-356(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 10=-238(LC 13), 21=-108(LC 13), 16=-271(LC 24)
Max Grav All reactions 250 lb or less at joint(s) 16 except 13=2201(LC 2), 10=753(LC 21), 21=1175(LC 26), 17=1730(LC 23)

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

TOP CHORD	1-2=-400/134, 2-3=-3361/444, 3-4=-3448/748, 4-6=-1984/704, 6-7=-443/658, 7-8=-209/421, 1-21=-1450/181
BOT CHORD	20-21=-217/354
WEBS	19-30=-429/416, 3-30=-646/507, 24-30=-520/3778, 24-25=-1181/3340, 23-25=-474/393, 13-23=-1495/229, 7-23=-1166/429, 8-11=-295/277, 3-24=-539/409, 4-24=-253/637, 4-25=-1582/472, 6-25=-317/1835, 6-23=-1093/759, 2-20=-2249/206, 1-20=-38/1131, 20-30=-379/2344, 2-30=-309/2858

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 24-30, 24-25, 23-25; Wall dead load (5.0psf) on member(s).19-30, 13-23, 8-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-19, 16-17, 15-16, 13-14, 11-13
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 238 lb uplift at joint 10, 108 lb uplift at joint 21 and 271 lb uplift at joint 16.

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NOTES- (14)

11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) 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/Calabash/ E12650819
1669955	A15	ATTIC	90	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:49 2019 Page 1
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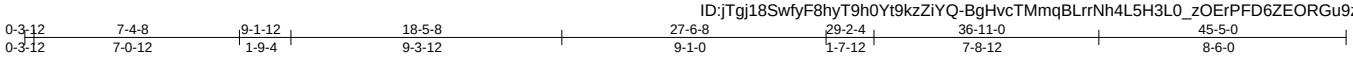

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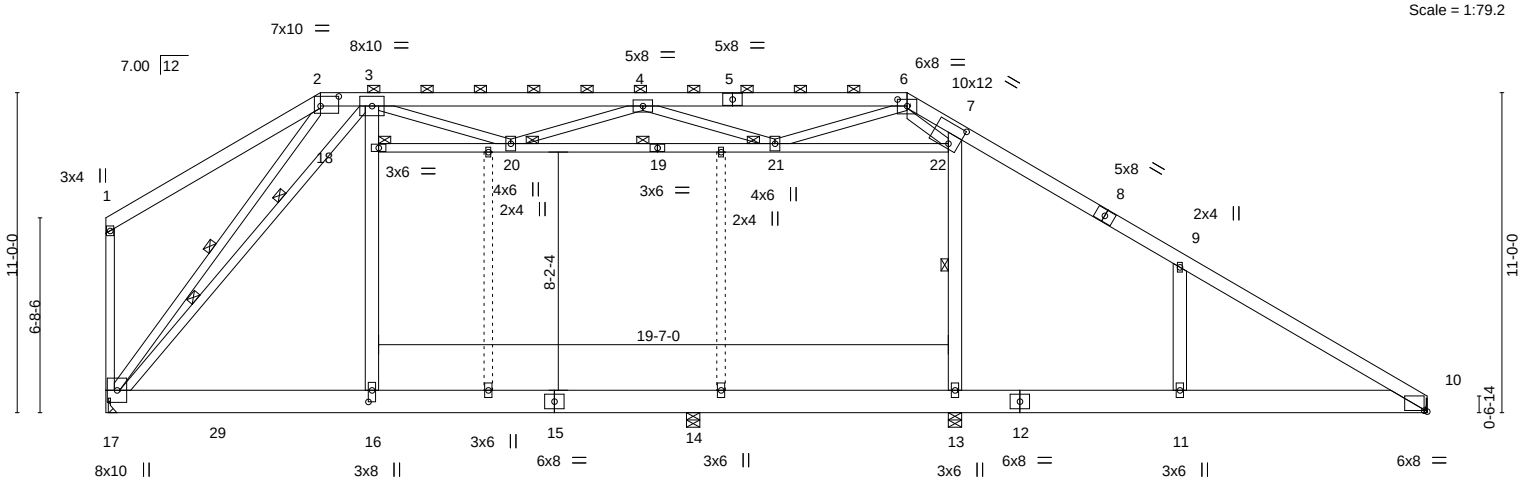

MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

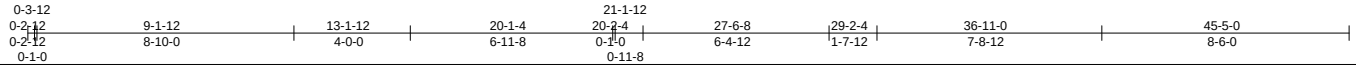

Plate Offsets (X,Y)-- [2:0-7-8,0-4-0], [6:0-4-0,0-2-12], [7:0-3-3,0-0-0], [7:0-4-0,0-8-0], [10:0-1-4,0-0-7], [16:0-4-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.67	Vert(LL) -0.21 11-28 >921 360	MT20 244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.45	Vert(CT) -0.40 11-28 >480 240	
BCLL 0.0	*	Rep Stress Incr YES	WB 0.92	Horz(CT) 0.03 10 n/a n/a	
BCDL 10.0		Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.24 11-28 >825 240	Weight: 479 lb FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
3-16,7-13,9-11: 2x6 SP No.2, 18-19,19-22,2-17: 2x4 SP No.2
3-17: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-7-8 max.): 2-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 20-21, 13-22, 2-17
2 Rows at 1/3 pts 3-17
JOINTS 1 Brace at Jt(s): 18, 20, 21

REACTIONS. All bearings 0-5-8 except (jt=length) 10=Mechanical, 17=Mechanical.
(lb) - Max Horz 17=-356(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 13=-301(LC 13), 17=-110(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 13=1921(LC 21), 10=1304(LC 2), 17=1829(LC 2), 14=1065(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-343/268, 3-4=-2088/579, 4-6=-1947/639, 6-7=-1416/307, 7-9=-1526/248, 9-10=-1636/240
BOT CHORD 16-17=-206/1417, 14-16=-209/1418, 13-14=-209/1418, 11-13=-205/1401, 10-11=-205/1401
WEBS 16-18=0/936, 3-18=0/951, 20-21=-816/1691, 21-22=-703/49, 13-22=-623/334, 7-22=-794/401, 9-11=-421/289, 3-20=-382/1051, 4-20=-787/509, 4-21=-922/468, 6-21=-314/1173, 6-22=-100/723, 2-17=-452/122, 3-17=-1780/253

SOLID BLOCKING BETWEEN TRUSSES AT JOINT 14 IS RECOMMENDED.
ALL SUPPORTS SHALL BE ADEQUATELY AND EQUALLY RIGID, PROVIDED BY OTHERS.

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Ceiling dead load (5.0 psf) on member(s). 18-20, 20-21, 21-22; Wall dead load (5.0psf) on member(s).16-18, 13-22, 9-11
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, 11-13
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 13 and 110 lb uplift at joint 17.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650820
1669955	A16	ATTIC	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:50 2019 Page 1
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0-3-12 7-4-8 9-1-12 18-5-8 27-6-8 29-2-4 36-5-0 45-5-0
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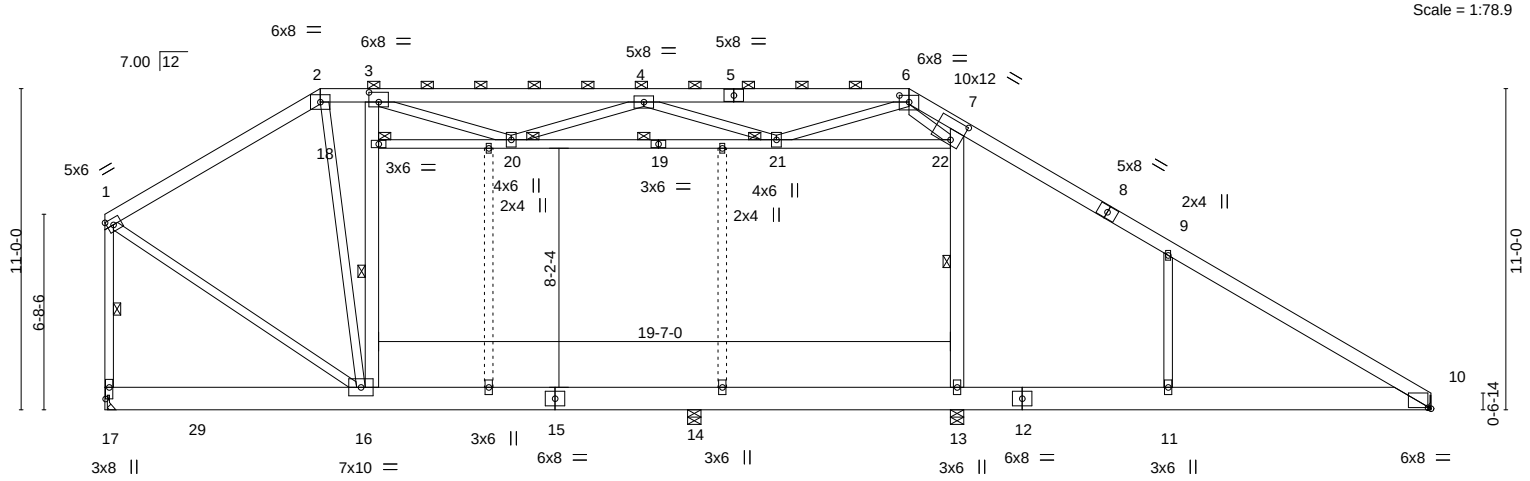


MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

0-3-12 9-1-12 13-1-12 20-1-4 21-1-12 27-6-8 29-2-4 36-5-0 45-5-0
0-2-12 8-10-0 4-0-0 6-11-8 20-2-4 6-4-12 1-7-12 7-2-12 9-0-0
0-1-0 0-1-0 0-11-8

Plate Offsets (X,Y)-- [3:0-4-0,0-4-0], [6:0-4-0,0-2-12], [7:0-3-3,0-0-0], [7:0-4-0,0-8-0], [10:0-1-4,0-0-7], [17:0-4-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.65	Vert(LL)	-0.20	11-28	>980	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.43	Vert(CT)	-0.39	11-28	>499	240		
BCLL 0.0	*	Rep Stress Incr YES	WB 0.60	Horz(CT)	0.02	10	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-AS	Wind(LL)	0.23	11-28	>829	240	Weight: 468 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
3-16,7-13: 2x6 SP No.2, 18-19,19-22: 2x4 SP No.2

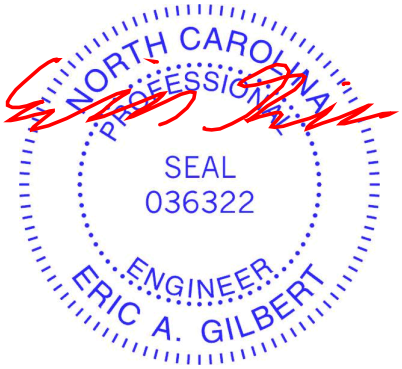
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-8-6 max.): 2-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 16-18, 20-21, 13-22, 1-17
JOINTS 1 Brace at Jt(s): 18, 20, 21

REACTIONS. All bearings 0-5-8 except (jt=length) 10=Mechanical, 17=Mechanical.
(lb) - Max Horz 17=-356(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 13=-300(LC 13), 17=-110(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 13=1927(LC 21), 10=1246(LC 2), 17=1772(LC 2), 14=1102(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1414/241, 2-3=-1215/285, 3-4=-2001/579, 4-6=-1929/636, 6-7=-1319/297, 7-9=-1428/252, 9-10=-1544/246, 1-17=-1639/276
BOT CHORD 16-17=-218/352, 14-16=-214/1339, 13-14=-214/1339, 11-13=-210/1322, 10-11=-210/1322
WEBS 16-18=-926/459, 3-18=-831/464, 20-21=-808/1660, 21-22=-635/35, 13-22=-600/320, 7-22=-755/370, 9-11=-419/283, 3-20=-383/1049, 4-20=-785/510, 4-21=-904/464, 6-21=-310/1155, 6-22=-103/636, 2-16=-197/617, 1-16=-119/1388

SOLID BLOCKING BETWEEN TRUSSES AT JOINT 14 IS RECOMMENDED.
ALL SUPPORTS SHALL BE ADEQUATELY AND EQUALLY RIGID, PROVIDED BY OTHERS.

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Ceiling dead load (5.0 psf) on member(s). 18-20, 20-21, 21-22; Wall dead load (5.0psf) on member(s).16-18, 13-22, 9-11
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, 11-13
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 13 and 110 lb uplift at joint 17.
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.



January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650821
1669955	A17	ATTIC	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:52 2019 Page 1
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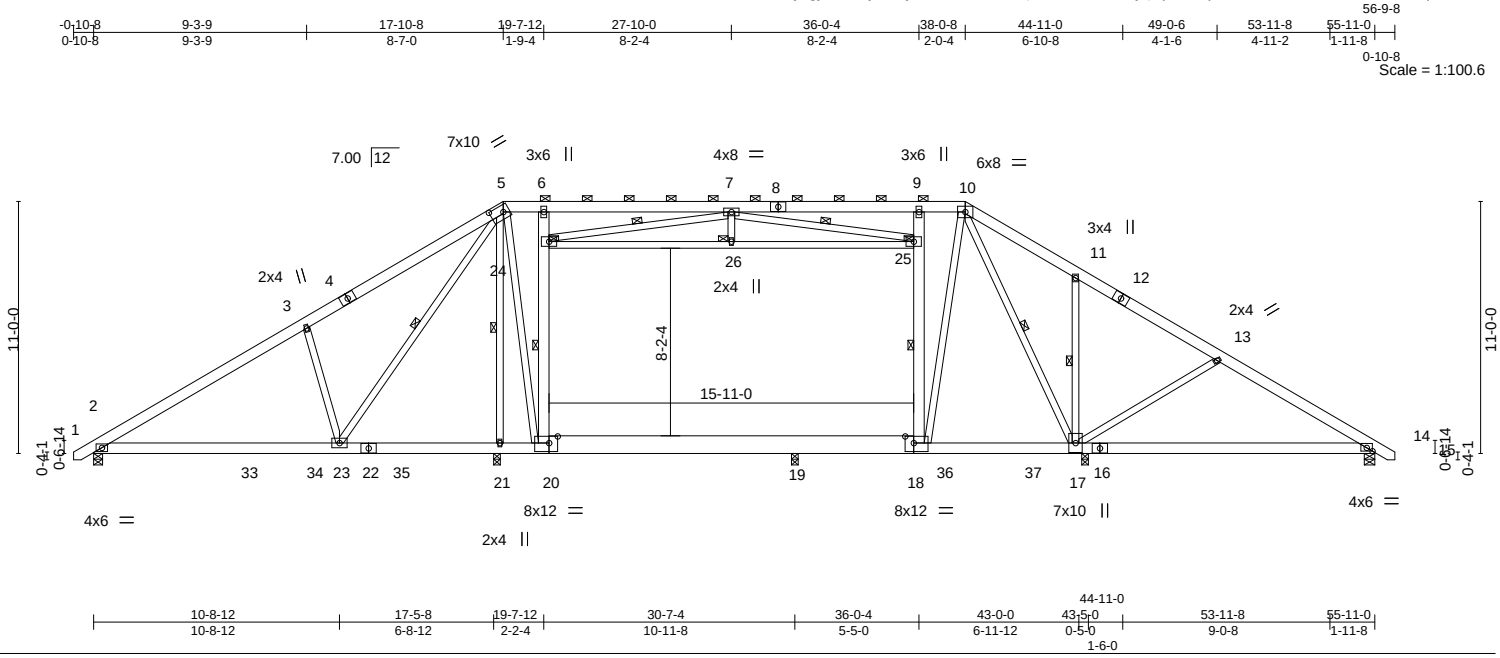

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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	0.41	Vert(LL)	-0.14	17-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.28	17-29	>568	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.09	23-32	>999	240	Weight: 510 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 24-25: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-24, 18-25, 7-24, 7-25, 10-17, 5-23, 5-21
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. All bearings 0-3-8 except (jt=length) 14=0-5-8, 2=0-4-11.
(lb) - Max Horz 2=309(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 17=-266(LC 13), 21=-152(LC 12), 2=-117(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 17=1810(LC 1), 21=1750(LC 2), 14=415(LC 25), 2=859(LC 24), 19=1266(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1044/250, 3-5=-953/401, 5-6=-418/249, 6-7=-376/228, 7-9=-393/235, 9-10=-421/251, 10-11=-23/349, 11-13=-80/363, 13-14=-262/94
BOT CHORD 11-17=-369/282, 2-23=-183/949, 21-23=-111/332, 20-21=-107/350, 19-20=-101/507, 18-19=-100/513, 17-18=-102/360
WEBS 3-23=-611/413, 20-24=-876/384, 6-24=-490/308, 24-26=-466/1294, 25-26=-466/1294, 18-25=-881/352, 9-25=-499/276, 10-18=-205/821, 7-24=-1354/492, 7-25=-1329/484, 10-17=-1041/158, 13-17=-514/293, 5-23=-365/1085, 5-21=-1437/214, 5-20=-173/988

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).20-24, 18-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 17=266, 21=152, 2=117.
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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650822
1669955	A18	ATTIC	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:23:53 2019 Page 1
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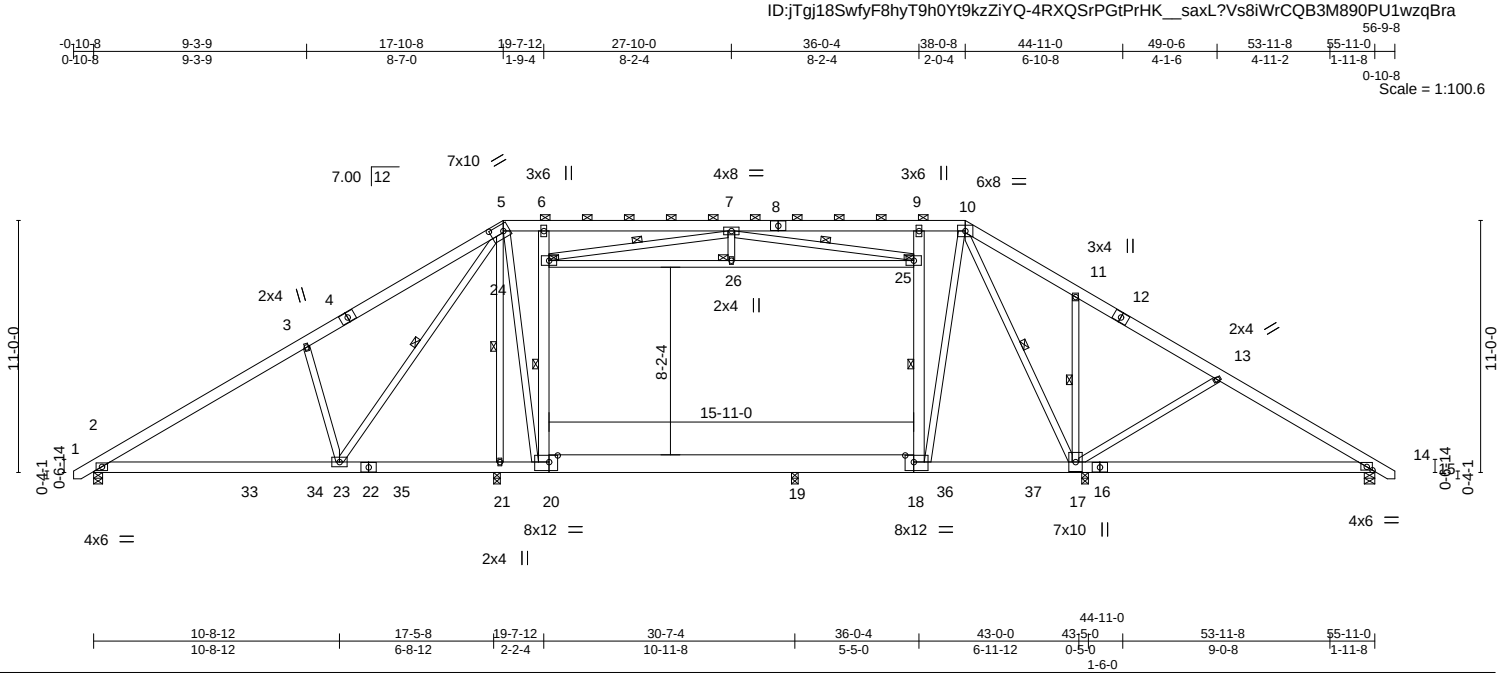

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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	0.41	Vert(LL)	-0.14	17-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.28	17-29	>568	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.09	23-32	>999	240	Weight: 510 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 24-25: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-24, 18-25, 7-24, 7-25, 10-17, 5-23, 5-21
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. All bearings 0-3-8 except (jt=length) 14=0-5-8, 2=0-4-11.
(lb) - Max Horz 2=309(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 17=-266(LC 13), 21=-152(LC 12), 2=-117(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 17=1810(LC 1), 21=1750(LC 2), 14=415(LC 25), 2=859(LC 24), 19=1266(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1044/250, 3-5=-953/401, 5-6=-418/249, 6-7=-376/228, 7-9=-393/235, 9-10=-421/251, 10-11=-23/349, 11-13=-80/363, 13-14=-262/94
BOT CHORD 11-17=-369/282, 2-23=-183/949, 21-23=-111/332, 20-21=-107/350, 19-20=-101/507, 18-19=-100/513, 17-18=-102/360
WEBS 3-23=-611/413, 20-24=-876/384, 6-24=-490/308, 24-26=-466/1294, 25-26=-466/1294, 18-25=-881/352, 9-25=-499/276, 10-18=-205/821, 7-24=-1354/492, 7-25=-1329/484, 10-17=-1041/158, 13-17=-514/293, 5-23=-365/1085, 5-21=-1437/214, 5-20=-173/988

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).20-24, 18-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 17=266, 21=152, 2=117.
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.

January 30,2019

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650823
1669955	A19	ATTIC	4	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 11:58:55 2019 Page 1

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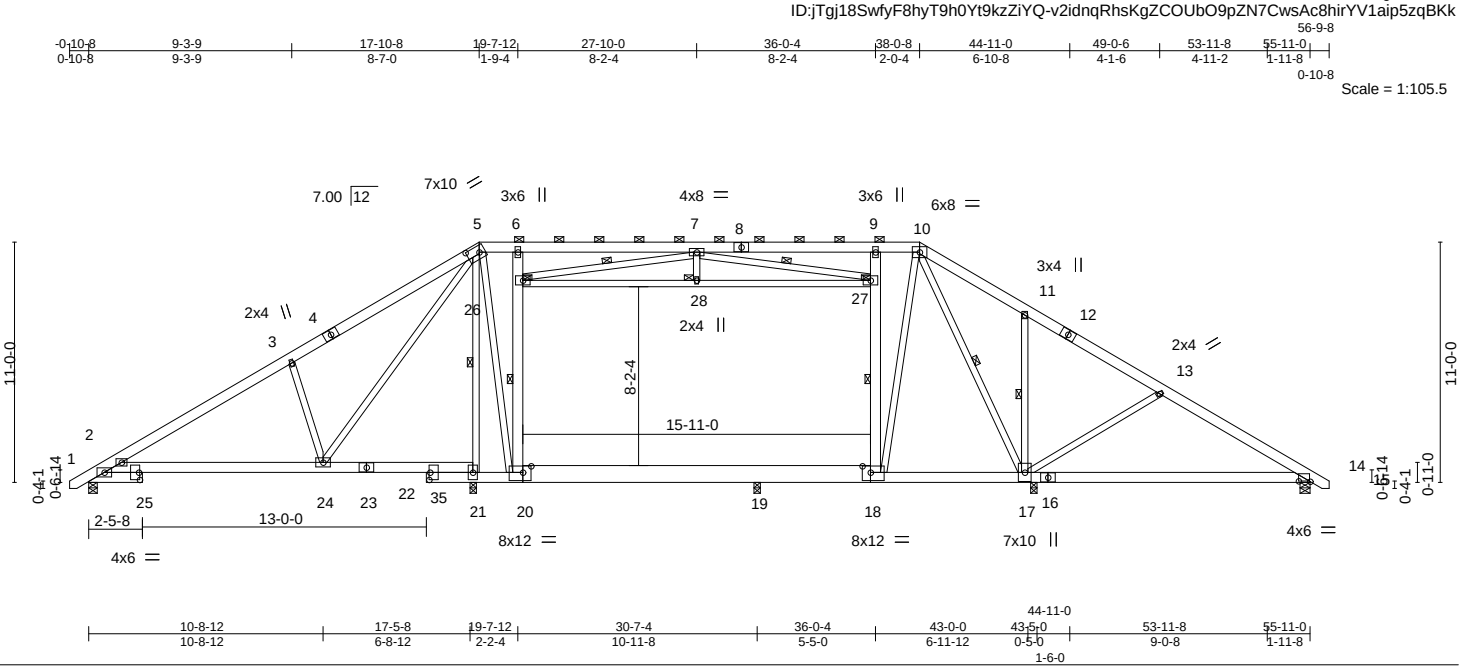

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [14:0-6-5,0-0-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8], [22:0-4-0,0-0-8], [25:0-4-0,0-0-8]

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	0.42	Vert(LL)	-0.14	17-34	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.27	17-34	>573	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.02	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	24-29	>999	240	Weight: 518 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 26-27: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-26, 18-27, 7-26, 7-27, 10-17, 5-21
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 2=780/0-4-11, 17=1893/0-3-8, 21=1568/0-3-8, 14=292/0-5-8, 19=525/0-3-8
Max Horz 2=310(LC 11)
Max Uplift 2=-109(LC 12), 17=-255(LC 13), 21=-162(LC 12), 14=-99(LC 13)
Max Grav 2=787(LC 24), 17=1893(LC 1), 21=1798(LC 20), 14=361(LC 21), 19=1289(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/27, 2-3=-948/233, 3-4=-844/325, 4-5=-730/373, 5-6=-312/258, 6-7=-260/241, 7-8=-292/239, 8-9=-292/239, 9-10=-316/256, 10-11=-27/529, 11-12=-62/544, 12-13=-96/373, 13-14=-151/272, 14-15=0/21
BOT CHORD 2-25=-193/760, 24-25=-193/760, 23-24=-215/287, 23-35=-215/287, 22-35=-215/287, 21-22=-228/282, 20-21=-200/288, 19-20=-127/358, 18-19=-124/365, 17-18=-219/298, 16-17=-183/115, 14-16=-183/115, 11-17=-368/282
WEBS 3-24=-604/404, 20-26=-885/381, 6-26=-499/305, 26-28=-466/1293, 27-28=-466/1293, 18-27=-877/351, 9-27=-497/276, 10-18=-205/796, 7-26=-1358/493, 7-28=0/102, 7-27=-1321/484, 10-17=-1124/165, 13-17=-516/293, 5-24=-348/988, 5-21=-1408/216, 5-20=-174/923

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 26-28, 27-28; Wall dead load (5.0psf) on member(s).20-26, 18-27
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 2, 255 lb uplift at joint 17 , 162 lb uplift at joint 21 and 99 lb uplift at joint 14.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

January 30,2019

Continued on page 2

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818 Soundside Road
Edenton, NC 27932

14) 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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650824
1669955	A20	ATTIC	6	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:00:10 2019 Page 1

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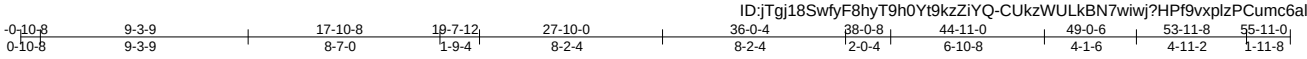

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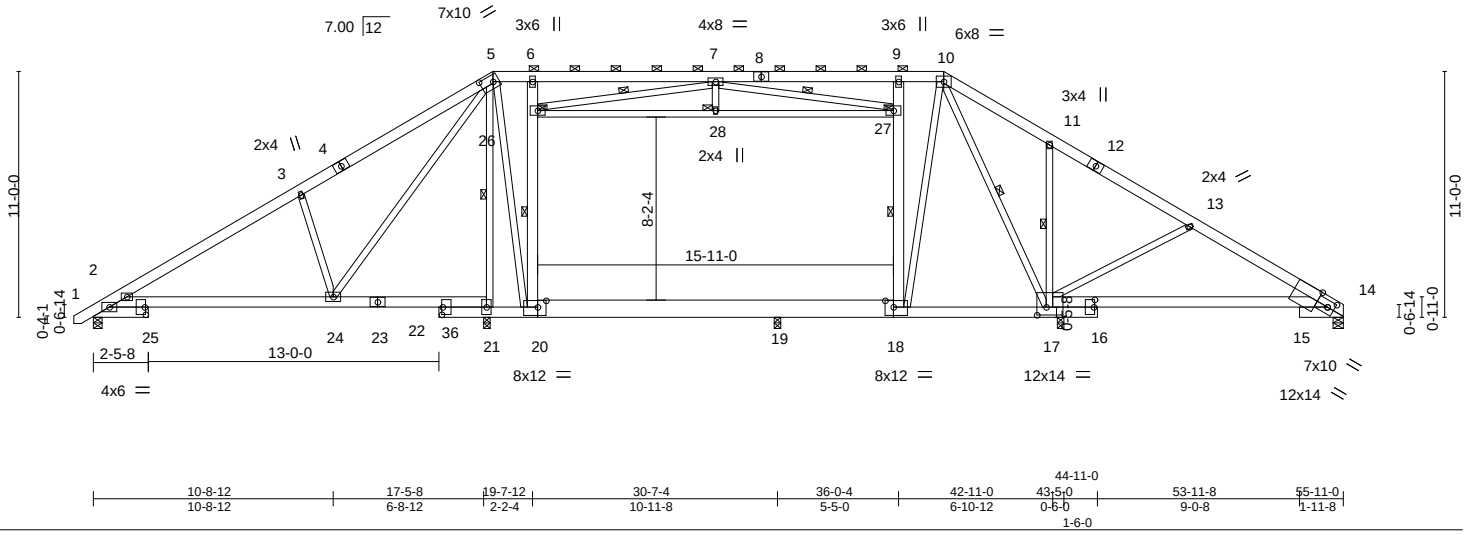

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [14:0-3-12,0-3-9], [14:0-6-4,Edge], [16:0-4-0,0-0-8], [17:0-5-0,0-4-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8], [22:0-4-0,0-0-8], [25:0-4-0,0-0-8]

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	0.42	Vert(LL)	-0.10	17-34	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.21	24-29	>980	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	24-29	>999	240	Weight: 523 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 26-27: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-26, 18-27, 7-26, 7-27, 10-17, 5-21
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 2=730/0-4-11, 17=1954/0-3-8, 14=174/0-5-8, 21=1618/0-3-8, 19=520/0-3-8
Max Horz 2=304(LC 9)
Max Uplift 2=-134(LC 12), 17=-234(LC 13), 14=-93(LC 13), 21=-137(LC 12)
Max Grav 2=760(LC 24), 17=1954(LC 1), 14=228(LC 25), 21=1844(LC 2), 19=1285(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/27, 2-3=-892/270, 3-4=-788/362, 4-5=-643/410, 5-6=-212/289, 6-7=-167/270, 7-8=-189/271, 8-9=-189/271, 9-10=-215/288, 10-11=0/658, 11-12=-17/679, 12-13=-52/510, 13-14=-22/385
BOT CHORD 2-25=-269/711, 24-25=-269/711, 23-24=-287/248, 23-36=-287/248, 22-36=-287/248, 21-22=-300/244, 20-21=-272/249, 19-20=-218/278, 18-19=-216/284, 17-18=-296/263, 16-17=-292/26, 15-16=-265/32, 14-15=-312/0, 11-17=-381/285
WEBS 3-24=-603/405, 20-26=-881/383, 6-26=-496/307, 26-28=-466/1294, 27-28=-466/1294, 18-27=-881/346, 9-27=-501/272, 10-18=-196/799, 7-26=-1355/495, 7-28=0/102, 7-27=-1325/482, 10-17=-1187/143, 13-17=-499/293, 5-24=-354/977, 5-21=-1447/201, 5-20=-175/919

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 26-28, 27-28; Wall dead load (5.0psf) on member(s).20-26, 18-27
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 2, 234 lb uplift at joint 17 , 93 lb uplift at joint 14 and 137 lb uplift at joint 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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Edenton, NC 27932

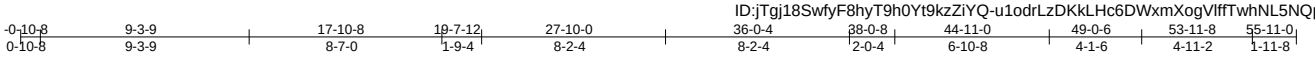
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650825
1669955	A21	ATTIC	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:03:46 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-u1odrLzDKkLHc6DWxmXogVlffTwhNL5NQpabXjzqBGB



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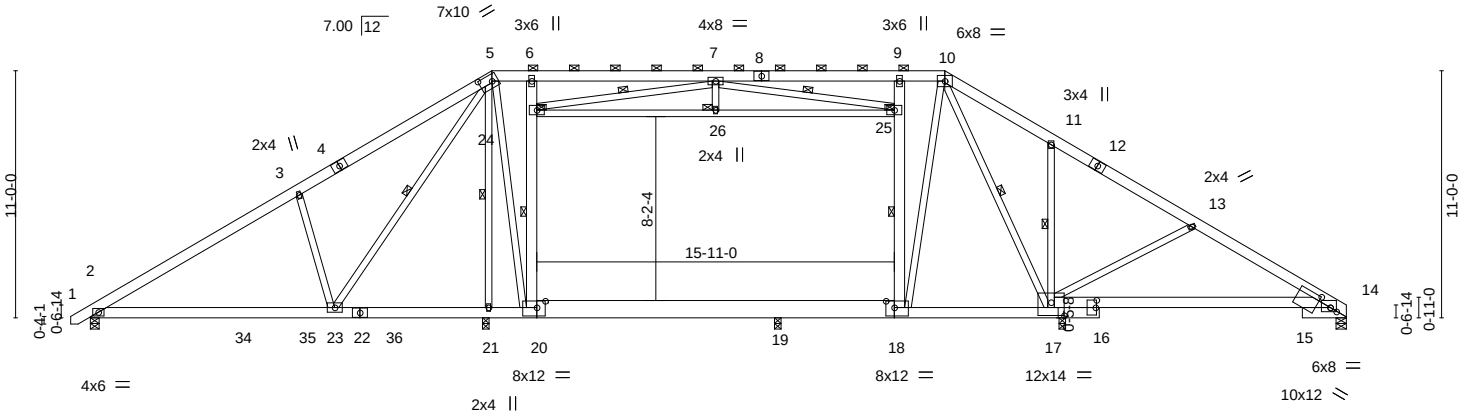

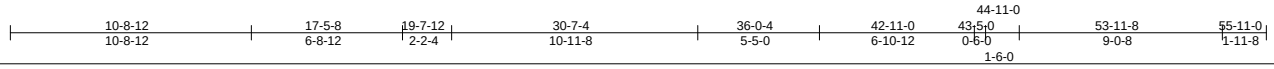

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [14:0-3-4,0-2-3], [14:0-6-15,0-2-8], [16:0-4-0,0-0-8], [17:0-7-0,0-7-0], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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	0.41	Vert(LL)	-0.10	17-32	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.48	Vert(CT)	-0.21	17-32	>731	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.82	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.09	23-29	>999	240	Weight: 515 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 24-25: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-24, 18-25, 7-24, 7-25, 10-17, 5-23, 5-21
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. (lb/size) 2=785/0-4-11, 17=1892/0-3-8, 14=246/0-5-8, 21=1566/0-3-8, 19=511/0-3-8
Max Horz 2=305(LC 9)
Max Uplift 2=-142(LC 12), 17=-242(LC 13), 14=-85(LC 13), 21=-128(LC 12)
Max Grav 2=817(LC 24), 17=1892(LC 1), 14=279(LC 21), 21=1834(LC 2), 19=1282(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-962/284, 3-4=-865/382, 4-5=-719/430, 5-6=-288/277, 6-7=-242/255, 7-8=-263/265, 8-9=-263/265, 9-10=-292/280, 10-11=0/515, 11-12=0/535, 12-13=-31/380, 13-14=-75/253
BOT CHORD 2-34=-258/797, 34-35=-258/797, 23-35=-258/797, 22-23=-221/256, 22-36=-221/256, 21-36=-221/256, 20-21=-215/257, 19-20=-188/363, 18-19=-187/369, 17-18=-204/275, 16-17=-178/40, 15-16=-150/54, 14-15=-247/0, 11-17=-380/285
WEBS 3-23=-610/411, 20-24=-873/385, 6-24=-489/309, 24-26=-466/1294, 25-26=-466/1294, 18-25=-886/347, 9-25=-505/272, 10-18=-197/811, 7-24=-1349/494, 7-26=0/102, 7-25=-1332/483, 10-17=-1118/133, 13-17=-503/292, 5-23=-360/1079, 5-21=-1512/197, 5-20=-177/975

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).20-24, 18-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 2, 242 lb uplift at joint 17 , 85 lb uplift at joint 14 and 128 lb uplift at joint 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

Continued on page 2

January 30,2019

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Edenton, NC 27932

14) 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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650826
1669955	A22	ATTIC	9	1	Job Reference (optional)

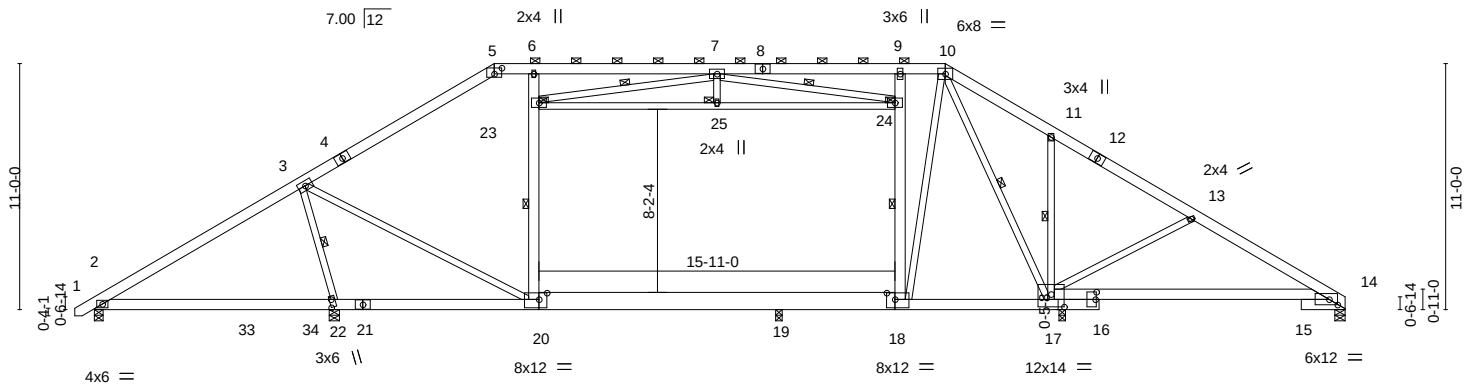
Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:04:35 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-ySF975ZynoWK?eTxJZvI9qH0PDe5MW3bhxxhlNzqBFQ

-0-10-8 | 9-3-9 | 17-10-8 | 19-7-12 | 27-10-0 | 36-0-4 | 38-0-8 | 44-11-0 | 49-0-6 | 53-11-8 | 55-11-0

0-10-8 | 9-3-9 | 8-7-0 | 1-9-4 | 8-2-4 | 8-2-4 | 2-0-4 | 6-10-8 | 4-1-6 | 4-11-2 | 1-11-8

Scale = 1:103.0



10-8-12 | 19-7-12 | 30-7-4 | 36-0-4 | 42-11-0 | 44-11-0 | 53-11-8 | 55-11-0

10-8-12 | 8-11-0 | 10-11-8 | 5-5-0 | 6-10-12 | 43-5-0 / 0-6-0 / 1-6-0 | 9-0-8 | 1-11-8

Plate Offsets (X,Y)-- [5:0-4-0,0-3-3], [14:0-4-8,0-2-14], [16:0-4-0,0-0-8], [17:0-7-0,0-6-12], [18:0-4-8,0-3-8], [20:0-4-4,0-3-8], [22:0-4-4,0-1-0]

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	0.46	Vert(LL)	-0.11	17-31	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.26	17-31	>605	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.06	22-28	>999	240	Weight: 484 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 23-24: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 3-22, 20-23, 18-24, 7-23, 7-24, 10-17
JOINTS 1 Brace at Jt(s): 23, 24, 25

REACTIONS. (lb/size) 2=185/0-4-11, 17=1633/0-3-8, 14=535/0-5-8, 22=2153/0-5-8, 19=495/0-3-8
Max Horz 2=305(LC 9)
Max Uplift 2=-135(LC 27), 17=-270(LC 13), 14=-67(LC 12), 22=-147(LC 12)
Max Grav 2=213(LC 24), 17=1728(LC 25), 14=570(LC 20), 22=2329(LC 2), 19=1305(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-3=-86/685, 3-4=-908/237, 4-5=-764/285, 5-6=-683/320, 6-7=-689/302, 7-8=-589/302, 8-9=-589/302, 9-10=-677/322, 10-11=-436/275, 11-12=-360/178, 12-13=-505/159, 13-14=-797/199
BOT CHORD 2-33=-539/217, 33-34=-539/217, 22-34=-539/217, 21-22=-1009/149, 20-21=-1009/149, 19-20=-172/761, 18-19=-172/767, 17-18=-136/621, 16-17=-108/678, 15-16=-100/695, 14-15=-113/427, 11-17=-373/286
WEBS 3-22=-2055/410, 20-23=-604/281, 6-23=-214/201, 23-25=-517/1403, 24-25=-517/1403, 18-24=-930/348, 9-24=-524/270, 10-18=-196/851, 7-23=-1429/561, 7-25=0/104, 7-24=-1491/518, 10-17=-932/226, 13-17=-517/291, 3-20=-73/1840

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 23-25, 24-25; Wall dead load (5.0psf) on member(s).20-23, 18-24
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 2, 270 lb uplift at joint 17 , 67 lb uplift at joint 14 and 147 lb uplift at joint 22.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) 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.

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

Continued on page 2

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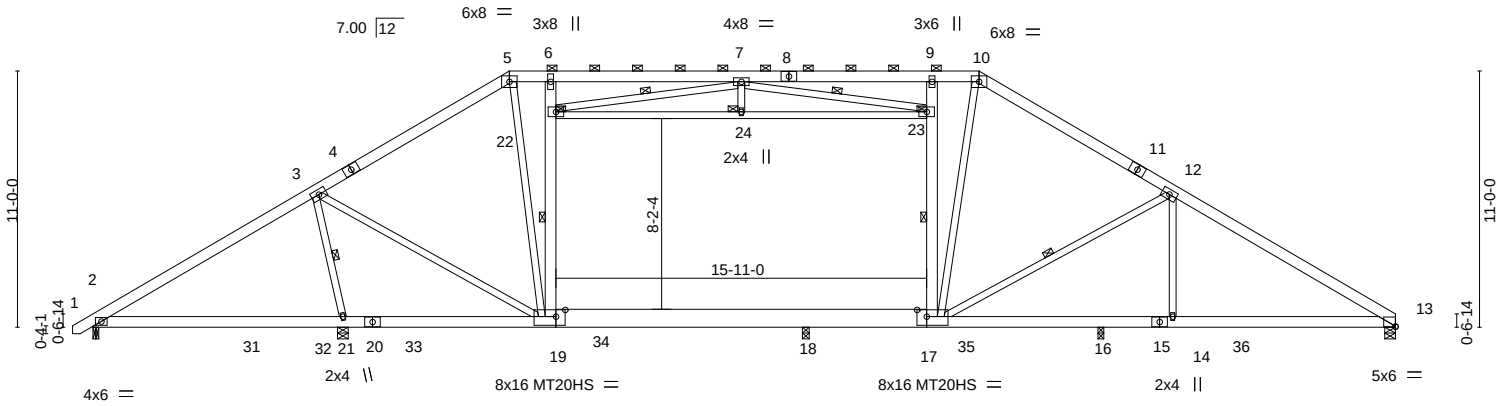
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650827
1669955	A23	ATTIC	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:02 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-JAZpLwWwmA_?vMAacK06Nl0EdTAHoBiTDv4SrvzqBrR

-0-10-8	9-6-12	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	46-4-4	55-11-0
0-10-8	9-6-12	8-3-12	1-9-4	8-2-4	8-2-4	2-0-4	8-3-12	9-6-12

Scale = 1:98.9



10-8-12	19-7-12	30-7-4	36-0-4	38-0-8	43-4-12	46-4-4	55-11-0
10-8-12	8-11-0	10-11-8	5-5-0	2-0-4	5-4-4	2-11-8	9-6-12

Plate Offsets (X,Y)-- [13:Edge,0-0-4], [17:0-5-0,0-3-8], [19:0-4-12,0-3-8]

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)	-0.13	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.27	14-30	>564	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.14	14-30	>999	240	Weight: 478 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
15-17: 2x6 SP No.1, 17-19: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-19,9-17: 2x6 SP No.2, 22-23: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-7-10 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-21, 19-22, 17-23, 7-22, 7-23, 12-17
JOINTS 1 Brace at Jt(s): 22, 23, 24

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 18=0-3-8, 16=0-3-0.
(lb) - Max Horz 2=305(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 2=-179(LC 13), 21=-223(LC 9), 13=-180(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=768(LC 1), 21=2108(LC 26), 13=1285(LC 21), 18=1395(LC 18), 16=733(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-882/385, 3-5=-1604/395, 5-6=-1399/430, 6-7=-1321/389, 7-9=-1384/434, 9-10=-1407/436, 10-12=-1608/407, 12-13=-1948/422
BOT CHORD 2-21=-144/696, 19-21=-84/458, 18-19=-83/1404, 17-18=-82/1416, 16-17=-228/1631, 14-16=-228/1631, 13-14=-228/1631
WEBS 3-21=-1724/335, 3-19=-163/1384, 5-19=-249/778, 19-22=-944/392, 6-22=-549/311, 22-24=-465/1278, 23-24=-465/1278, 17-23=-851/380, 9-23=-472/302, 10-17=-162/688, 7-22=-1402/514, 7-23=-1314/475, 12-17=-582/347

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 5x8 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 22-24, 23-24; Wall dead load (5.0psf) on member(s).19-22, 17-23
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-19, 17-18
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 2=179, 21=223, 13=180.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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January 30,2019

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Edenton, NC 27932

14) 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/Calabash/ E12650828
1669955	A24	PIGGYBACK BASE	4	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:07:13 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-KsouI7T3aLQvywYIZklLY8qz8wYxNw?r0WD3HDzqBCy

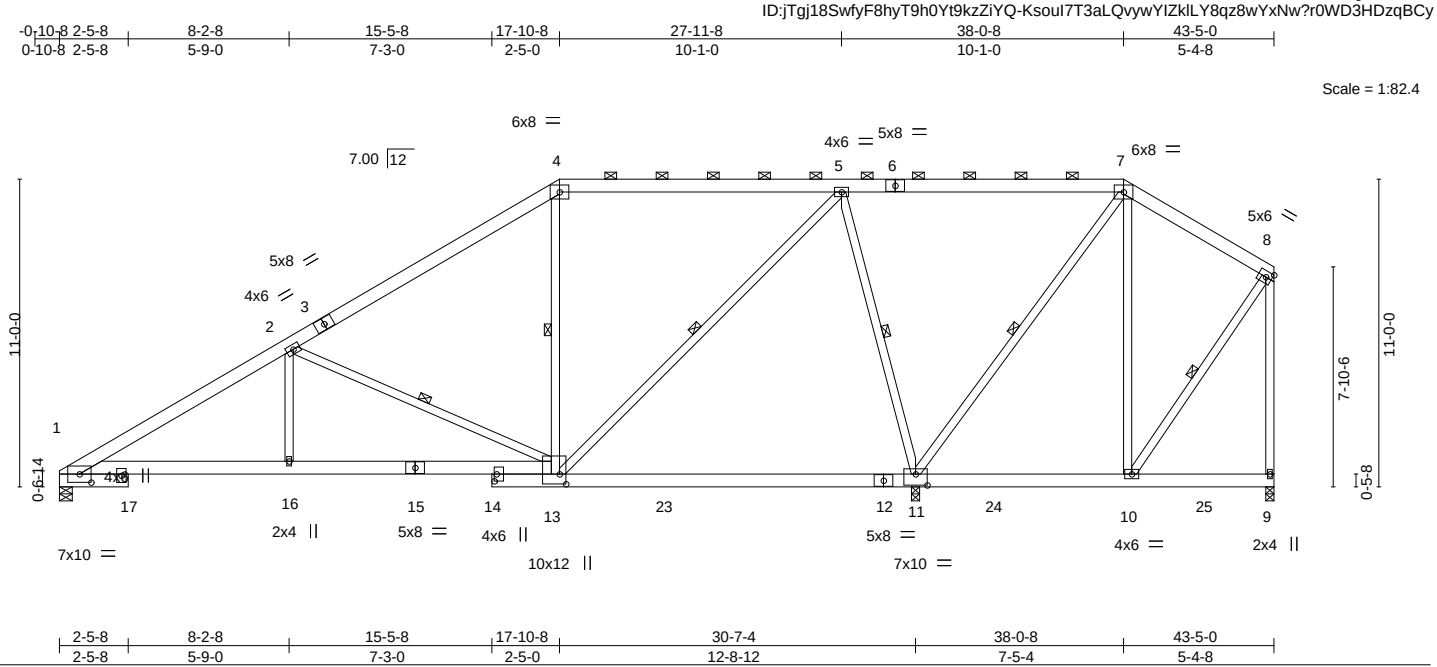


Plate Offsets (X,Y)-- [1:0-5-0,0-3-9], [11:0-5-0,0-4-12], [13:0-4-4,0-2-12], [14:0-3-0,0-1-0]

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	0.68	Vert(LL)	-0.25	11-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.37	11-13	>986	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	13-16	>999	240	Weight: 350 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 5-13,7-11: 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.): 4-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-13, 5-13, 5-11, 7-11, 2-13, 8-10

REACTIONS. (lb/size) 1=1004/0-5-8, 11=2352/0-3-8, 9=61/0-3-8
Max Horz 1=381(LC 12)
Max Uplift 1=-159(LC 12), 11=-402(LC 9), 9=-133(LC 8)
Max Grav 1=1011(LC 23), 11=2358(LC 2), 9=293(LC 26)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-1683/341, 2-3=-903/155, 3-4=-752/209, 4-5=-650/271, 5-6=-114/519, 6-7=-114/519, 7-8=-95/161, 8-9=-195/170
BOT CHORD	1-17=-520/1490, 16-17=-520/1490, 15-16=-520/1490, 14-15=-520/1490, 13-14=-525/1471, 13-23=-240/107, 12-23=-244/106, 11-12=-243/106, 11-24=-95/72, 10-24=-95/72, 10-25=-2/5, 9-25=-2/5
WEBS	2-16=0/339, 4-13=-168/197, 5-13=-309/1155, 5-11=-1500/602, 7-11=-822/308, 7-10=-38/276, 2-13=-998/466, 8-10=-170/127

NOTES- (10)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 1, 402 lb uplift at joint 11 and 133 lb uplift at joint 9.
7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

January 30,2019

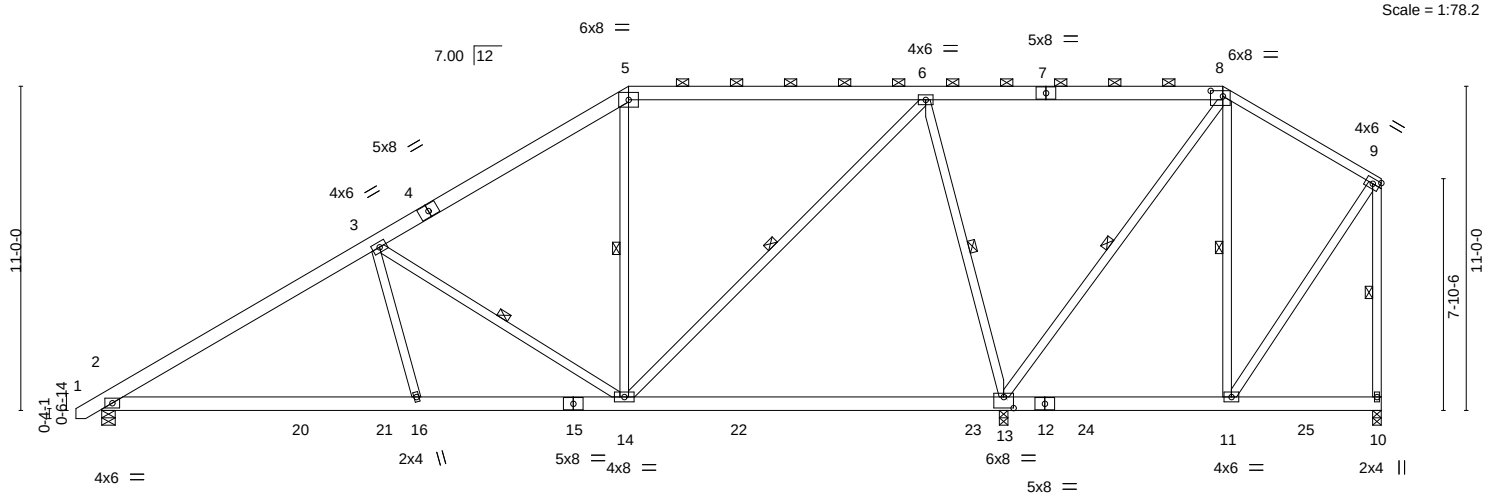
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650829
1669955	A25	PIGGYBACK BASE	1	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:04 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-FZhambYAIoEj8gKzjl2aSA5XaHvZG0hmhDZZwnzqBrP

-0-10-8	9-3-9	17-10-8	27-11-8	38-0-8	43-5-0
0-10-8	9-3-9	8-7-0	10-1-0	10-1-0	5-4-8

Scale = 1:78.2



10-8-2	17-10-8	30-7-4	38-0-8	43-5-0
10-8-2	7-2-6	12-8-12	7-5-4	5-4-8

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

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	0.68	Vert(LL)	-0.26	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.43	13-14	>859	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.09	16-19	>999	240	Weight: 340 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 8-9: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 6-14,8-13: 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.): 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-14, 5-14, 6-14, 6-13, 8-13, 8-11, 9-10

REACTIONS. (lb/size) 2=1154/0-5-8, 13=2119/0-3-8, 10=232/0-3-8
Max Horz 2=405(LC 12)
Max Uplift 2=-200(LC 12), 13=-353(LC 9), 10=-78(LC 8)
Max Grav 2=1160(LC 23), 13=2228(LC 2), 10=349(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1632/348, 3-5=-990/274, 5-6=-733/316, 6-8=-39/312, 9-10=-265/104
BOT CHORD 2-16=-487/1441, 14-16=-467/1504
WEBS 3-16=0/343, 3-14=-926/368, 6-14=-259/1063, 6-13=-1432/578, 8-13=-595/208

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 2=200, 13=353.
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.

January 30,2019

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

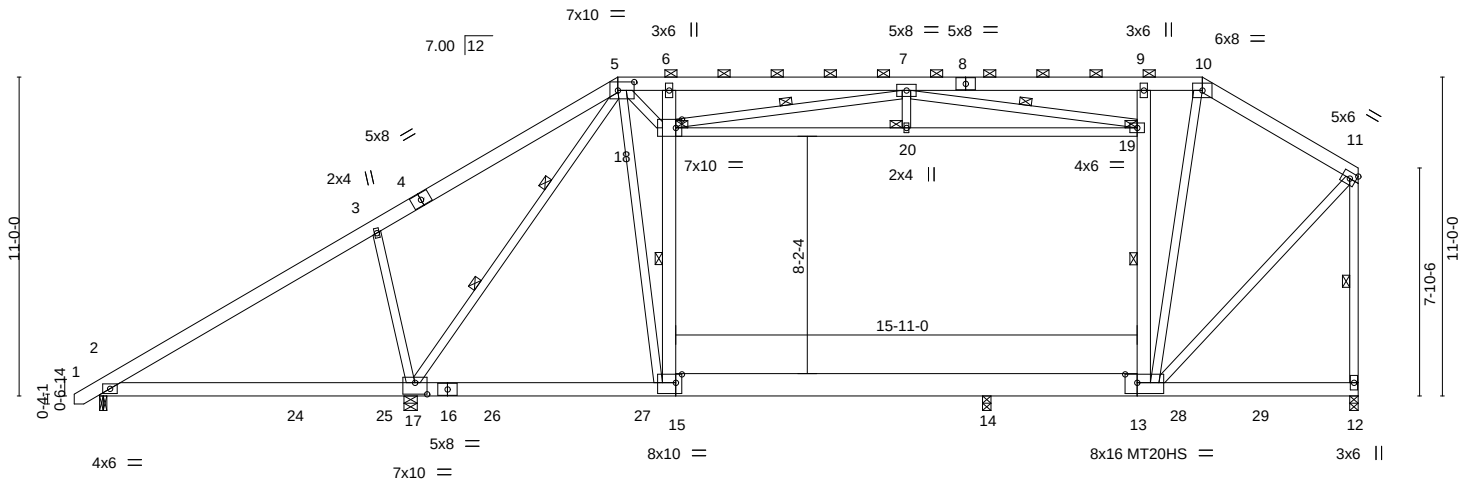
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	A26	ATTIC	2	1	E12650830
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:05 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-jlFyzxYo25Mamqv9HTZp?OelNgHZ?S7vvtJ6SEzqBrO

-0-10-8	9-6-12	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	43-5-0
0-10-8	9-6-12	8-3-12	1-9-4	8-2-4	8-2-4	2-0-4	5-4-8

Scale = 1:79.5



10-8-12	19-7-12	30-7-4	36-0-4	38-0-8	43-5-0
10-8-12	8-11-0	10-11-8	5-5-0	2-0-4	5-4-8

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [13:0-5-0,0-3-8], [15:0-2-8,0-3-8], [17:0-5-0,0-4-12], [18:0-2-8,0-3-8]

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	0.48	Vert(LL)	-0.09	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.15	17-23	>856	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.16	17-23	>804	240	Weight: 420 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 13-15: 2x10 SP DSS
WEBS	2x4 SP No.3 *Except* 5-17: 2x4 SP No.1, 6-15,9-13: 2x6 SP No.2, 18-19: 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.): 5-10.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 15-18, 13-19, 7-18, 7-19, 11-12 2 Rows at 1/3 pts 5-17
JOINTS	1 Brace at Jt(s): 18, 19, 20

REACTIONS. All bearings 0-3-8 except (jt=length) 2=0-3-0, 17=0-5-8.

(lb) - Max Horz 2=403(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) except 2=-112(LC 8), 17=-301(LC 9), 12=-109(LC 8)

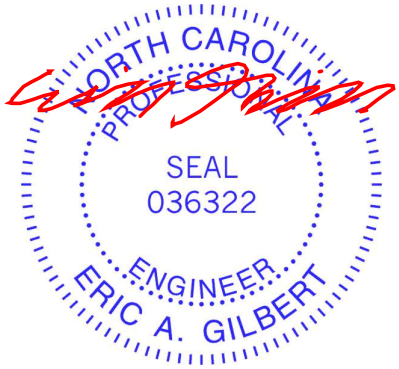
Max Grav All reactions 250 lb or less at joint(s) except 2=283(LC 1), 17=2484(LC 26), 12=1293(LC 2), 14=1171(LC 18)

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

TOP CHORD	2-3=-338/697, 3-5=-156/722, 5-6=-1225/282, 6-7=-1225/289, 7-9=-692/164, 9-10=-767/195, 10-11=-860/156, 11-12=-1203/200
BOT CHORD	2-17=-413/53, 15-17=-62/615, 14-15=-68/767, 13-14=-67/772
WEBS	3-17=-625/445, 5-17=-1930/373, 5-15=-233/859, 15-18=-634/488, 6-18=-495/304, 18-20=-505/1412, 19-20=-505/1412, 13-19=-959/366, 9-19=-545/289, 10-13=-148/463, 7-18=-1169/524, 7-19=-1494/542, 11-13=-83/958, 5-18=-113/665

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 18-20, 19-20; Wall dead load (5.0psf) on member(s).15-18, 13-19
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15, 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 2, 301 lb uplift at joint 17 and 109 lb uplift at joint 12.
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.



January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650831
1669955	A27	ATTIC	4	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:08:16 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-__6iWfEakiMz0ctPlTN7cRxo_J2leUl6Wp_u?4zqBBz

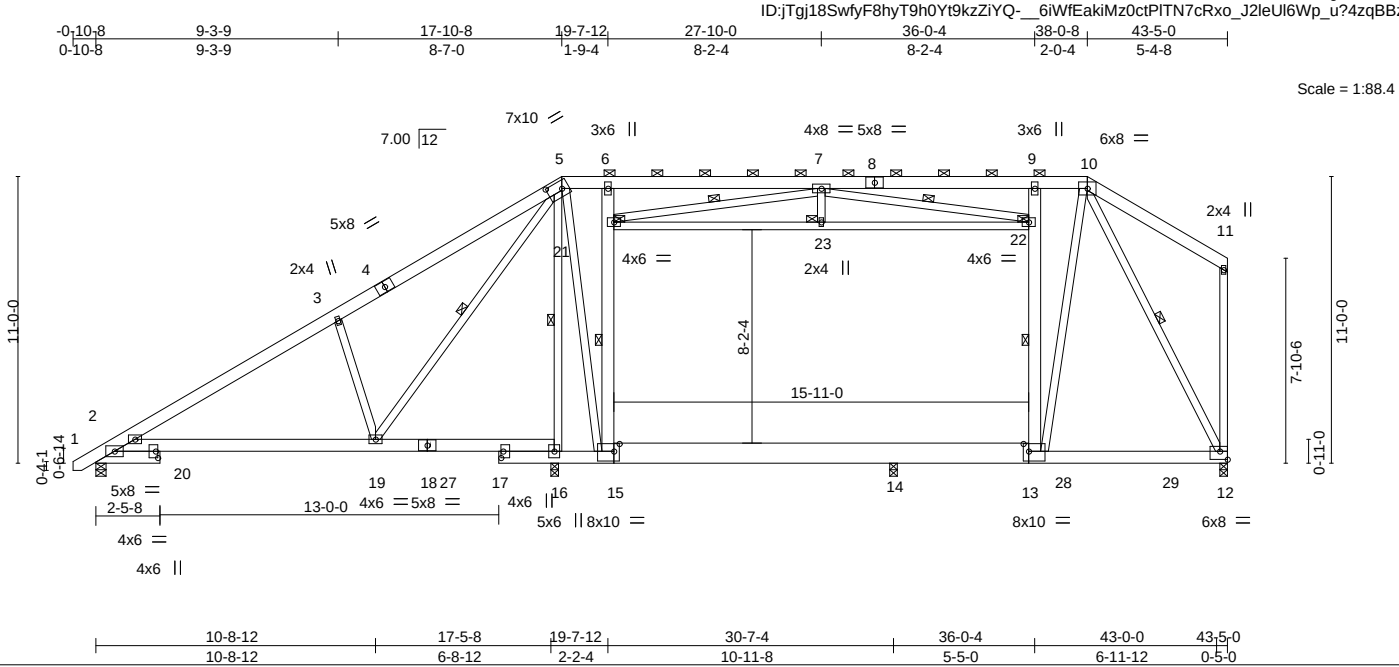


Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [12:Edge,0-3-12], [13:0-2-8,0-3-8], [15:0-2-8,0-3-8], [17:0-3-0,0-1-0], [20:0-3-0,0-1-0]

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	0.44	Vert(LL)	-0.09	19-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.23	19-24	>897	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.04	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.12	19-24	>999	240	Weight: 442 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 13-15: 2x10 SP DSS
WEBS	2x4 SP No.3 *Except* 6-15,9-13: 2x6 SP No.2, 21-22,11-12: 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.): 5-10.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 15-21, 13-22, 7-21, 7-22, 10-12, 5-19, 5-16
JOINTS	1 Brace at Jt(s): 21, 22, 23

REACTIONS. (lb/size) 2=1004/0-4-11, 12=1120/0-3-8, 16=1344/0-3-8, 14=536/0-3-8
Max Horz 2=402(LC 12)
Max Uplift 2=-94(LC 12), 12=-133(LC 8), 16=-173(LC 12)
Max Grav 2=1004(LC 1), 12=1172(LC 27), 16=1584(LC 26), 14=1261(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/27, 2-3=-1404/237, 3-4=-1301/330, 4-5=-1156/378, 5-6=-633/214, 6-7=-568/189, 7-8=-628/208, 8-9=-628/208, 9-10=-640/217, 10-11=-96/97, 11-12=-166/113
BOT CHORD	2-20=-381/1155, 19-20=-381/1155, 18-19=-80/463, 18-27=-80/463, 17-27=-80/463, 16-17=-84/445, 15-16=-83/473, 14-15=-85/634, 13-14=-85/640, 13-28=-67/466, 28-29=-67/466, 12-29=-67/466
WEBS	3-19=-611/406, 15-21=-899/383, 6-21=-509/308, 21-23=-466/1291, 22-23=-466/1291, 13-22=-847/359, 9-22=-470/284, 10-13=-175/852, 7-21=-1384/497, 7-23=0/102, 7-22=-1311/477, 10-12=-1018/145, 5-19=-367/1029, 5-16=-1211/211, 5-15=-156/937

NOTES- (13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Ceiling dead load (5.0 psf) on member(s). 21-23, 22-23; Wall dead load (5.0psf) on member(s).15-21, 13-22
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15, 13-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2, 133 lb uplift at joint 12 and 173 lb uplift at joint 16.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

January 30,2019

Continued on page 2

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650832
1669955	A28	ATTIC	1	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:08 2019 Page 1
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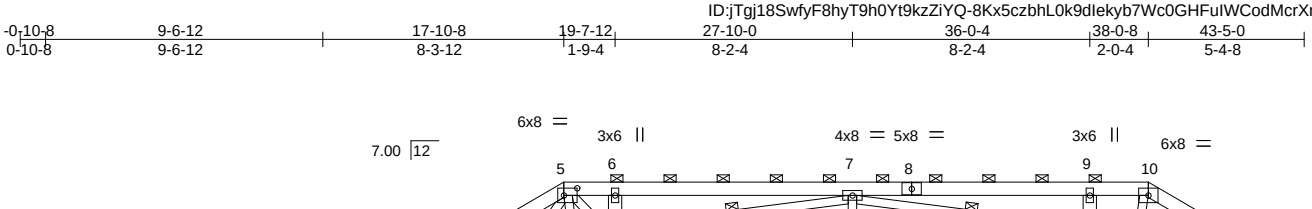

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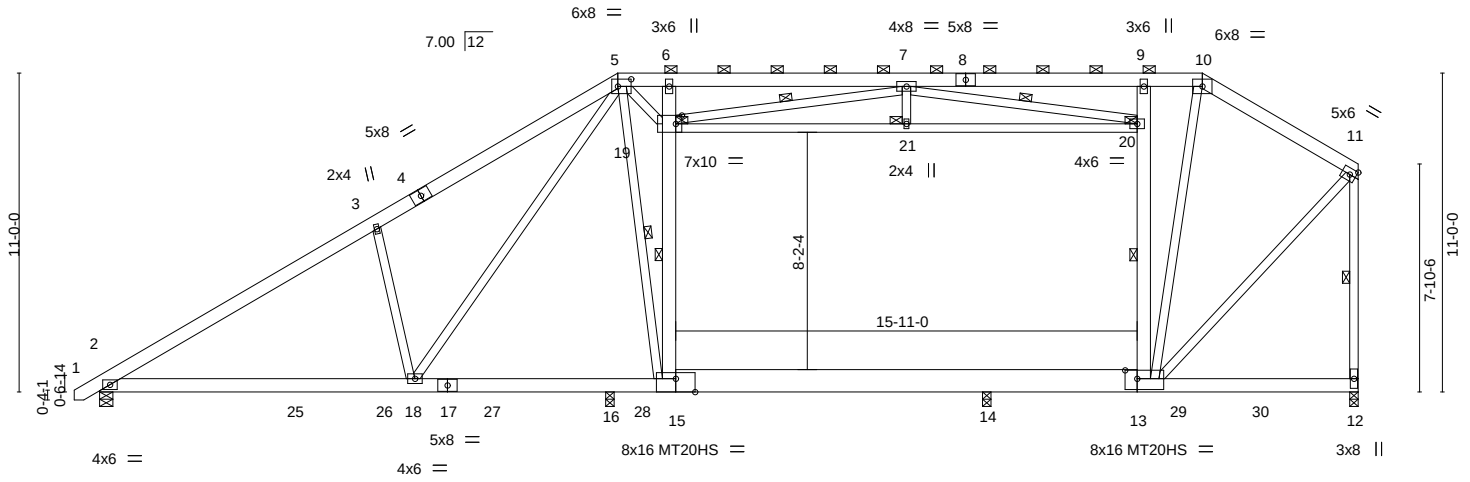

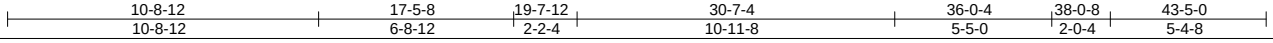

Plate Offsets (X,Y)-- [5:0-5-8,0-3-0], [13:0-5-0,0-3-8], [15:0-8-0,Edge], [19:0-2-8,0-3-8]

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	0.44	Vert(LL)	-0.14	18-24	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.60	Vert(CT)	-0.30	18-24	>698	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.13	18-24	>999	240	Weight: 420 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
13-15: 2x10 SP DSS, 15-17: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
5-18,19-20: 2x4 SP No.2, 6-15,9-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-15, 15-19, 13-20, 7-19, 7-20, 11-12
JOINTS 1 Brace at Jt(s): 19, 20, 21

REACTIONS. All bearings 0-3-8 except (jt=length) 2=0-5-8.
(lb) - Max Horz 2=403(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2 except 12=-136(LC 8), 16=-145(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 2=1090(LC 1), 12=1157(LC 27), 16=1358(LC 26), 14=1422(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1464/219, 3-5=-1410/388, 5-6=-763/112, 6-7=-779/118, 7-9=-595/190, 9-10=-664/214, 10-11=-755/177, 11-12=-1061/228
BOT CHORD 2-18=-361/1244, 16-18=-106/695, 15-16=-106/695, 14-15=-83/667, 13-14=-83/672
WEBS 3-18=-634/422, 5-18=-355/928, 5-15=-470/286, 15-19=-909/427, 6-19=-506/293, 19-21=-441/1281, 20-21=-441/1281, 13-20=-934/365, 9-20=-549/289, 10-13=-144/403, 7-19=-1299/529, 7-20=-1354/462, 11-13=-108/830

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 19-21, 20-21; Wall dead load (5.0psf) on member(s).15-19, 13-20
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15, 13-14
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 12=136, 16=145.
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.

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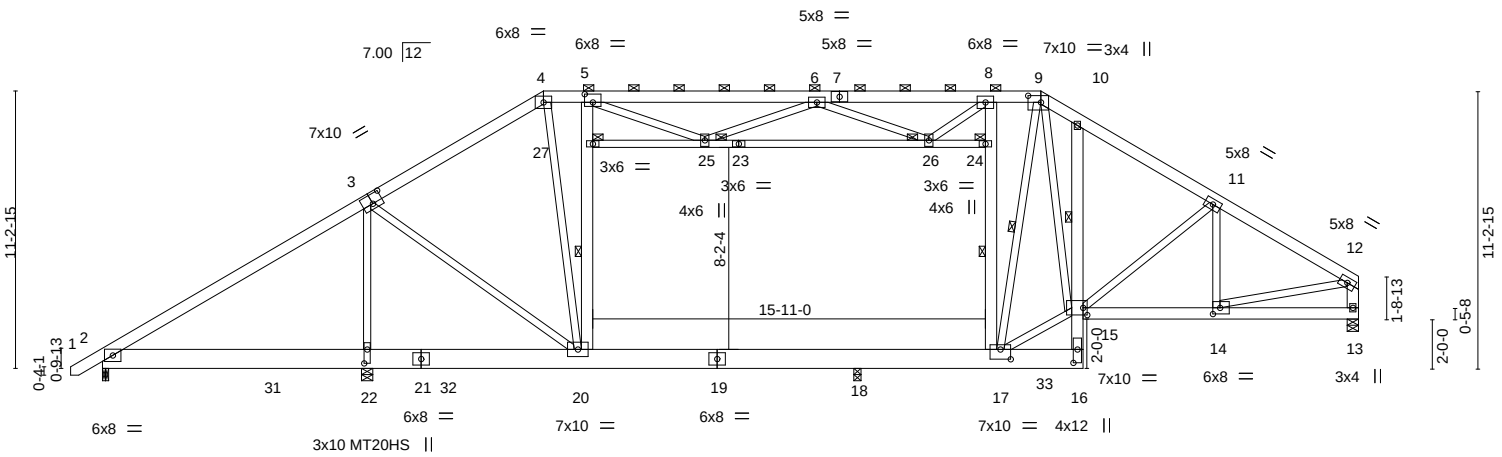
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650833
1669955	A30	ATTIC GIRDER	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:10 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-4j2r0fcxte_tsbo7409_hRLZYh_9giPf390t7RzqBrJ

-1-3-8	10-8-12	17-10-8	19-7-12	28-10-2	28-11-8	36-0-4	38-0-8	45-1-14	50-11-0
1-3-8	10-8-12	7-1-12	1-9-4	9-2-6	0-1-6	7-0-12	2-0-4	7-1-6	5-9-2

Scale = 1:93.4



10-8-12	17-10-8	19-7-12	30-7-4	36-0-4	38-0-8	39-9-0	45-1-14	49-5-8	50-11-0
10-8-12	7-1-12	1-9-4	10-11-8	5-5-0	2-0-4	1-8-8	5-4-14	4-3-10	1-5-8

Plate Offsets (X,Y)-- [3:0-5-0,0-4-8], [5:0-4-0,0-4-0], [9:0-6-4,0-3-4], [14:0-3-8,0-3-0], [15:0-2-0,0-3-8], [16:0-6-8,0-2-0], [17:0-5-0,0-4-12], [22:0-6-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.10	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.29	16-17	>818	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.09	16-17	>999	240	Weight: 532 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except* 13-15,10-16: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 5-20,8-17,12-13: 2x6 SP No.2, 23-24,23-27: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins, except end verticals, and 2-0-0 oc purlins (4-7-3 max.): 4-9.
BOT CHORD Rigid ceiling directly applied or 9-11-9 oc bracing. Except:
1 Row at midpt 10-15
WEBS 1 Row at midpt 20-27, 17-24, 9-17
JOINTS 1 Brace at Jt(s): 24, 25, 26, 27

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 18=0-3-8.
(lb) - Max Horz 2=303(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 22=-699(LC 5)
Max Grav All reactions 250 lb or less at joint(s) except 2=1129(LC 1), 22=1780(LC 22), 13=1869(LC 1), 18=1716(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1511/0, 3-4=-1765/0, 4-5=-1532/0, 5-6=-2168/0, 6-8=-2059/0, 8-9=-1566/0, 9-10=-2253/0, 10-11=-2420/0, 11-12=-2420/0, 12-13=-1801/0
BOT CHORD 2-22=0/1177, 20-22=0/1190, 18-20=0/1582, 17-18=0/1582, 16-17=0/283, 14-15=0/2020, 15-16=0/776
WEBS 3-22=-1282/717, 3-20=-465/736, 4-20=0/961, 20-27=-1020/354, 5-27=-925/360, 25-26=-459/1121, 17-24=-693/375, 8-24=-622/367, 5-25=-178/816, 6-25=-583/297, 6-26=-709/420, 8-26=-188/586, 11-14=-345/0, 12-14=0/1917, 11-15=-112/293, 9-15=0/1718, 9-17=-773/0, 15-17=0/1622

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 25-27, 25-26, 24-26; Wall dead load (5.0psf) on member(s).20-27, 17-24
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-20, 17-18
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 699 lb uplift at joint 22.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 700 lb down at 35-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) Attic room checked for L/360 deflection.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
14) 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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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-9=-60, 9-12=-60, 20-28=-20, 17-20=-30, 16-17=-20, 24-27=-10, 13-15=-20
   Drag: 20-27=-10, 17-24=-10
   Concentrated Loads (lb)
   Vert: 33=-700(F)

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650834
1669955	A31	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:12 2019 Page 1
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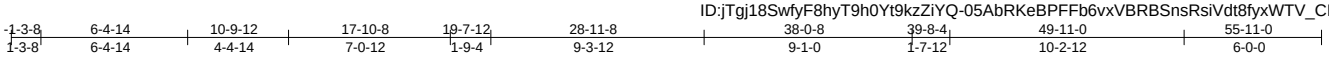

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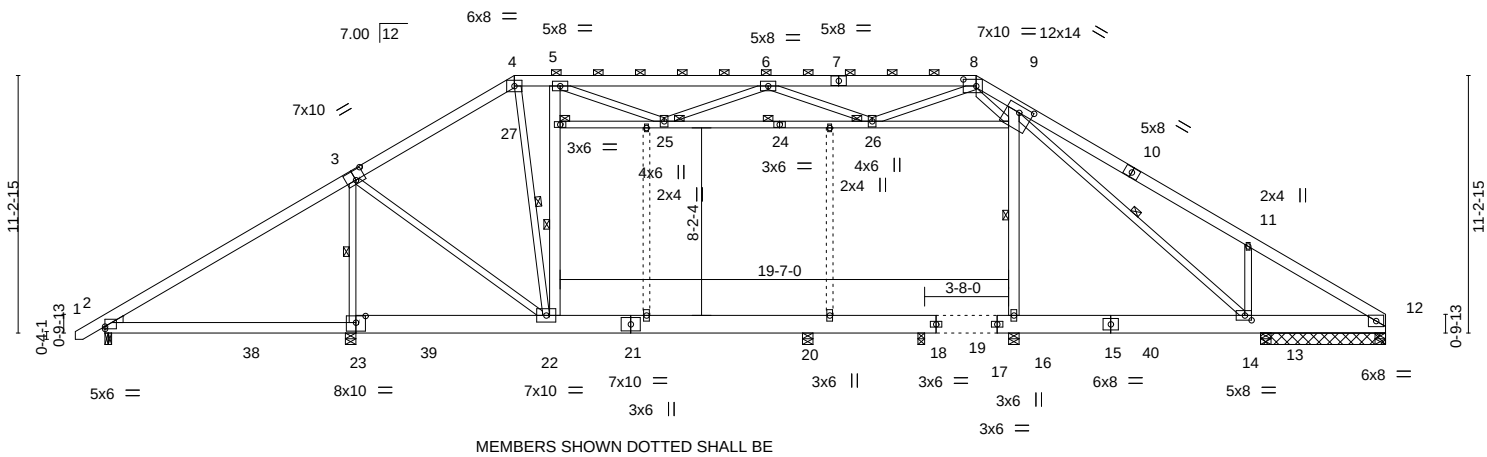

MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

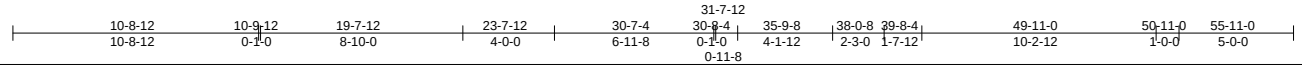

Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [3:0-5-0,0-5-0], [8:0-6-12,0-3-8], [9:0-7-0,0-3-8], [14:0-3-8,0-2-8], [23:0-5-0,0-3-8]

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) -0.13 20-22 >999 360	MT20 244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.76	Vert(CT) -0.23 20-22 >999 240	
BCLL 0.0	*	Rep Stress Incr YES	WB 0.78	Horz(CT) 0.19 12 n/a n/a	
BCDL 10.0		Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.10 22 >999 240	Weight: 545 lb FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except*
2-23: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-22,9-16: 2x6 SP No.2, 9-24,24-27,9-14: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-9-8 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-23, 22-27, 25-26, 9-16, 4-22, 9-14
JOINTS 1 Brace at Jt(s): 25, 26, 27

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-8, 12=Mechanical, 12=Mechanical, 19=0-3-8.
(lb) - Max Horz 23=310(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 16, 19 except 2=-715(LC 23), 23=-366(LC 9), 13=-394(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 12, 19 except 23=3240(LC 26), 16=1275(LC 2), 20=1362(LC 18), 13=903(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-460/2060, 3-4=-390/466, 4-5=-348/458, 5-6=-1060/669, 6-8=-1310/631, 8-9=-917/431, 9-11=-291/292
BOT CHORD 2-23=-1595/459, 22-23=-1519/158
WEBS 3-23=-2595/422, 22-27=-1019/415, 5-27=-925/421, 25-26=-785/1885, 9-26=-452/768, 9-16=-1122/261, 11-14=-563/422, 5-25=-374/1140, 6-25=-895/485, 6-26=-658/439, 8-26=-341/686, 4-22=-253/95, 3-22=-181/1888

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 25-27, 25-26, 9-26; Wall dead load (5.0psf) on member(s).22-27, 9-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-22, 19-20, 18-19, 16-17
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 19 except (jt=lb) 2=715, 23=366, 13=394.
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.

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NOTES- (13)

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.

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650835
1669955	A32	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:14 2019 Page 1
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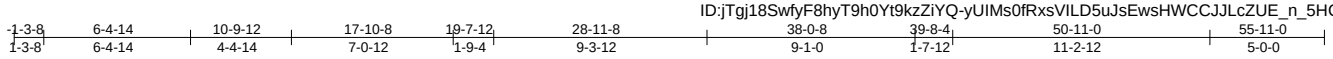

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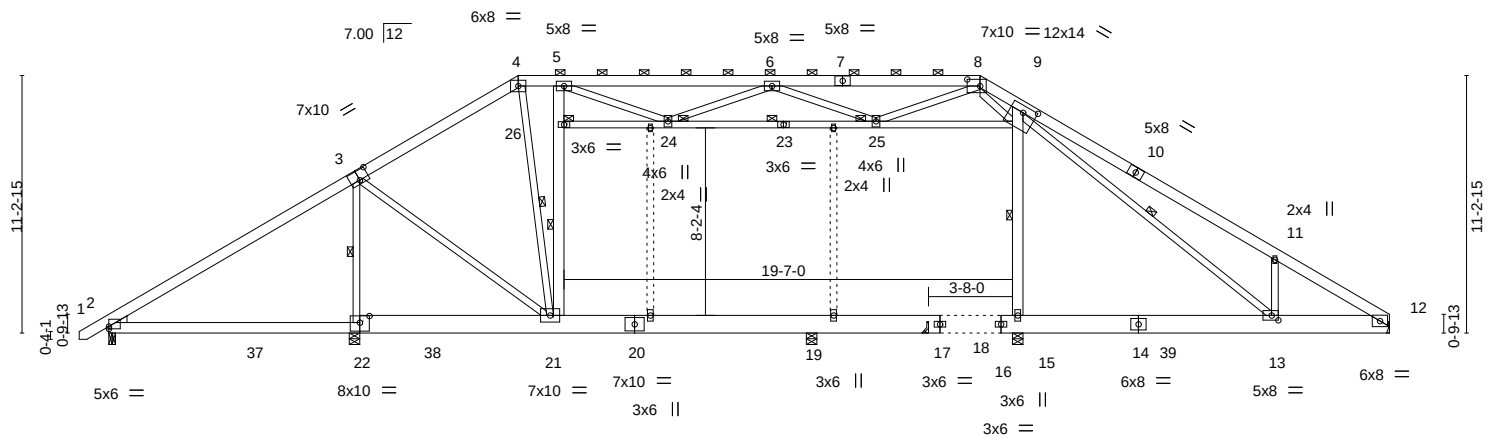

MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

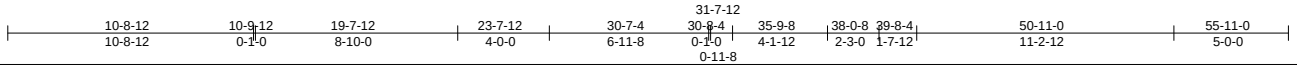

Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [3:0-5-0,0-5-0], [8:0-6-12,0-3-8], [9:0-7-0,0-3-8], [13:0-3-8,0-2-8], [22:0-5-0,0-3-8]

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)	-0.13	19-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.76	Vert(CT)	-0.23	19-21	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.18	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	21	>999	240	Weight: 545 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS *Except*
2-22: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
5-21,9-15: 2x6 SP No.2, 9-23,23-26,9-13: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-9-15 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-22, 21-26, 24-25, 9-15, 4-21, 9-13
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-8, 12=Mechanical, 18=Mechanical.
(lb) - Max Horz 22=310(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 18 except 2=-713(LC 23), 22=-370(LC 9), 15=-101(LC 13), 12=-260(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 18 except 22=3235(LC 26), 15=1537(LC 2), 12=695(LC 21), 19=1361(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-463/2057, 3-4=-391/466, 4-5=-348/458, 5-6=-1054/659, 6-8=-1291/597, 8-9=-888/456, 9-11=-1248/680, 11-12=-1052/384
BOT CHORD 2-22=-1592/462, 21-22=-1516/161, 12-13=-289/897
WEBS 3-22=-2590/426, 21-26=-1011/413, 5-26=-917/419, 24-25=-795/1873, 9-25=-485/728, 9-15=-1365/385, 11-13=-592/455, 5-24=-380/1134, 6-24=-888/491, 6-25=-679/452, 8-25=-377/741, 4-21=-253/94, 3-21=-185/1885, 9-13=-376/1158

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 24-26, 24-25, 9-25; Wall dead load (5.0psf) on member(s).21-26, 9-15
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-21, 18-19, 17-18, 15-16
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 2=713, 22=370, 15=101, 12=260.
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.

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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/Calabash/ E12650836
1669955	A33	ATTIC	14	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:16 2019 Page 1
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-1-3-8 6-4-14 10-9-12 17-10-8 19-7-12 28-11-8 38-0-8 39-8-4 44-7-5 49-11-0 55-11-0
1-3-8 6-4-14 4-4-14 7-0-12 1-9-4 9-3-12 9-1-0 1-7-12 4-11-1 5-3-11 6-0-0

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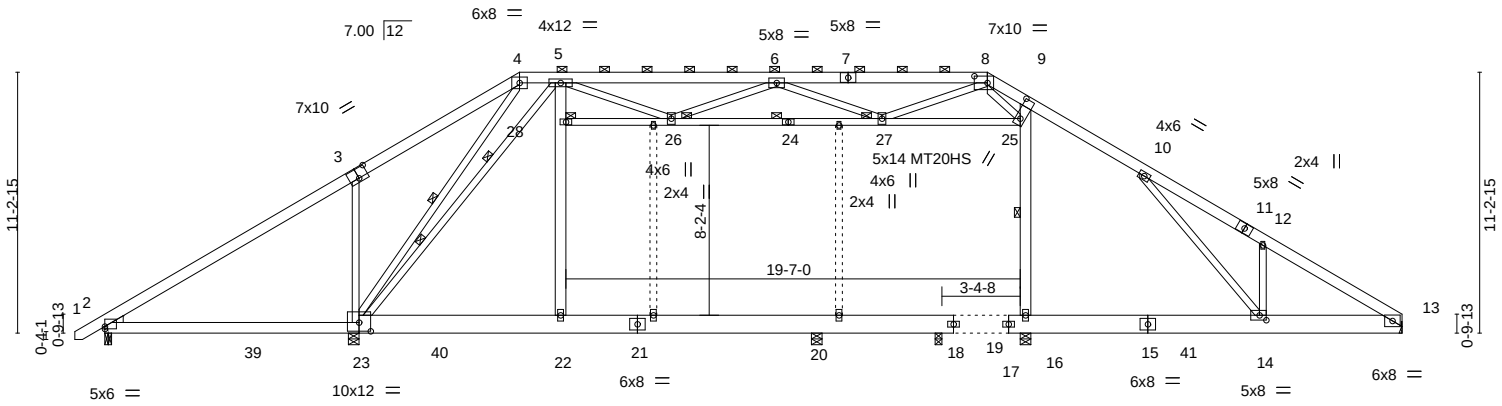

10-8-12 10-9-12 19-7-12 23-7-12 30-7-4 31-7-12 30-8-4 36-1-0 38-0-8 39-8-4 49-11-0 55-11-0
10-8-12 0-1-0 8-10-0 4-0-0 6-11-8 0-1-0 0-11-8 4-5-4 1-11-8 1-7-12 10-2-12 6-0-0

Plate Offsets (X,Y)-- [2:0-0-0,0-1-4], [3:0-5-0,0-5-0], [8:0-6-12,0-3-8], [9:0-0-0,0-3-3], [14:0-3-8,0-2-8], [23:0-6-0,0-4-8], [25:0-10-8,0-2-8]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.87	Vert(LL) -0.13 14-16 >999 360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.78	Vert(CT) -0.24 14-16 >812 240	MT20HS	187/143
BCLL 0.0	*	Rep Stress Incr YES	WB 0.94	Horz(CT) 0.18 16 n/a n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.20 14-16 >990 240	Weight: 544 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 8-11: 2x6 SP No.1
BOT CHORD 2x10 SP DSS *Except* 2-23: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 5-22,9-16: 2x6 SP No.2, 24-25,24-28,4-23,5-23: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 26-27, 16-25, 4-23
2 Rows at 1/3 pts 5-23
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-8, 13=Mechanical, 19=0-3-8.
(lb) - Max Horz 23=310(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 19 except 2=-778(LC 23), 16=-122(LC 13), 13=-254(LC 13), 23=-380(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 2, 19 except 16=1614(LC 2), 13=659(LC 21), 23=3343(LC 26), 20=1322(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-470/2179, 3-4=-294/2109, 4-5=-142/1130, 5-6=-1020/645, 6-8=-1140/546, 8-9=-653/679, 9-10=-140/396, 10-12=-806/444, 12-13=-578/201
BOT CHORD 2-23=-1695/467, 13-14=-94/471
WEBS 3-23=-760/479, 22-28=0/713, 5-28=0/726, 26-27=-816/1778, 25-27=-465/390, 16-25=-1356/366, 9-25=-1336/668, 12-14=-686/421, 5-26=-387/1067, 6-26=-823/497, 6-27=-767/472, 8-27=-337/990, 8-25=-645/705, 4-23=-1261/99, 5-23=-1584/252, 10-14=-154/782

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 26-28, 26-27, 25-27; Wall dead load (5.0psf) on member(s).22-28, 16-25
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-22, 19-20, 18-19, 16-17
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=778, 16=122, 13=254, 23=380.

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

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

NOTES- (15)

12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.
15) 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/Calabash/ E12650837
1669955	A34	ATTIC	14	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:17 2019 Page 1
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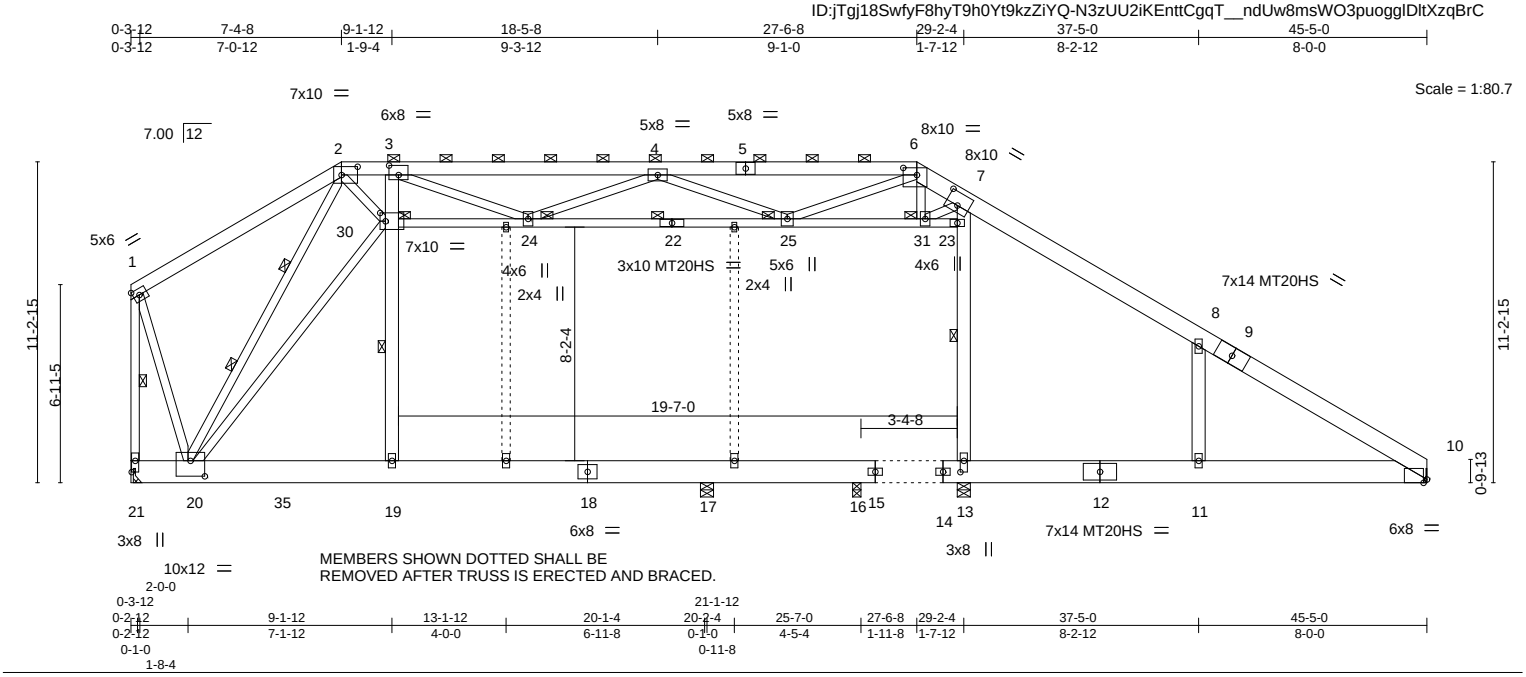

Plate Offsets (X,Y)-- [2:0-6-12,0-3-8], [3:0-4-0,0-4-0], [6:0-5-12,0-3-0], [7:0-5-0,0-5-4], [10:0-1-7,Edge], [13:0-4-12,0-1-8], [20:0-6-0,0-6-8], [21:0-4-12,0-1-8], [30:0-2-4,0-3-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.29	17-19	>843	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.52	17-19	>464	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.59	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.25	19	>977	240	Weight: 505 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 6-9,9-10: 2x8 SP DSS
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except* 3-19,7-13,8-11: 2x6 SP No.2, 22-23,22-30,2-30: 2x4 SP No.2 2-20: 2x4 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-7-11 max.): 2-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 19-30, 24-25, 13-23, 1-21; 2 Rows at 1/3 pts 2-20
JOINTS 1 Brace at Jt(s): 24, 25, 30, 31

REACTIONS. All bearings 0-5-8 except (jt=length) 10=Mechanical, 21=Mechanical, 16=0-3-8.
(lb) - Max Horz 21=-361(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 10=-233(LC 13), 21=-106(LC 13), 16=-235(LC 24)
Max Grav All reactions 250 lb or less at joint(s) 16 except 13=2315(LC 2), 10=726(LC 21), 21=1165(LC 26), 17=1649(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-479/153, 2-3=-3057/442, 3-4=-3025/706, 4-6=-1613/675, 6-7=-519/377, 7-8=-157/483, 1-21=-1355/234
BOT CHORD 20-21=-219/359
WEBS 19-30=-411/414, 3-30=-605/510, 24-30=-511/3439, 24-25=-1090/2869, 25-31=-621/390, 23-31=-280/92, 13-23=-1693/270, 7-23=-1622/278, 8-11=-112/304, 3-24=-487/268, 4-24=-124/576, 4-25=-1521/414, 6-25=-285/1711, 2-20=-2205/236, 1-20=-77/1023, 20-30=-402/2347, 2-30=-330/2750, 7-31=-648/507, 6-31=-236/339

NOTES- (15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 MT20 plates unless otherwise indicated.
5) All plates are 3x6 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 24-30, 24-25, 25-31, 23-31; Wall dead load (5.0psf) on member(s).19-30, 13-23, 8-11
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-19, 16-17, 15-16, 13-14, 11-13
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 10, 106 lb uplift at joint 21 and 235 lb uplift at joint 16.

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NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

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

NOTES- (15)

12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Attic room checked for L/360 deflection.
15) 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/Calabash/ E12650838
1669955	A35	ATTIC	35	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:19 2019 Page 1
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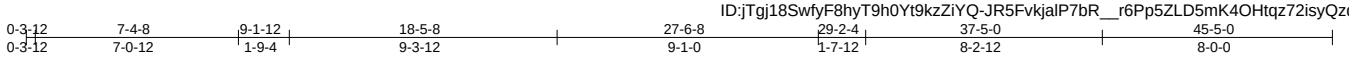

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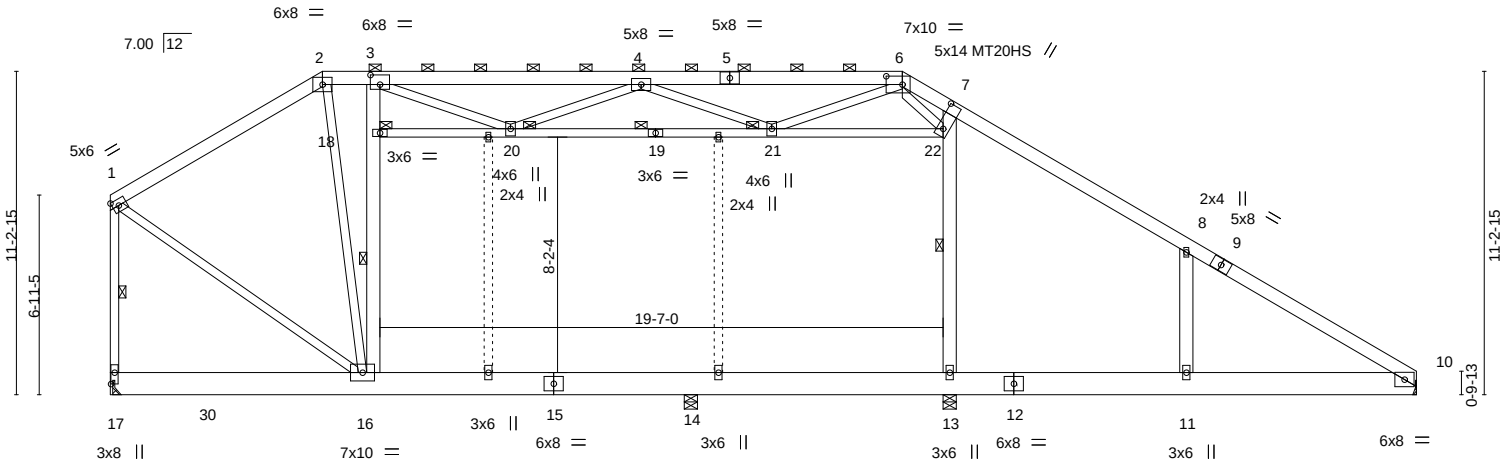

MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

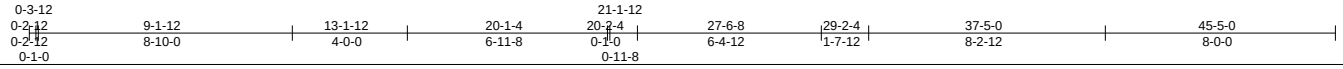

Plate Offsets (X,Y)-- [3:0-4-0,0-4-0], [6:0-6-12,0-3-8], [7:0-0-0,0-3-3], [7:0-10-12,0-2-8], [17:0-4-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.22	11	>904	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.40	11	>483	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.24	11-29	>812	240	Weight: 474 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
3-16,7-13,8-11: 2x6 SP No.2, 18-19,19-22: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-10-10 max.): 2-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 16-18, 20-21, 13-22, 1-17
JOINTS 1 Brace at Jt(s): 18, 20, 21

REACTIONS. All bearings 0-5-8 except (jt=length) 10=Mechanical, 17=Mechanical.
(lb) - Max Horz 17=-358(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 13=-312(LC 13), 17=-108(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 13=1973(LC 21), 10=1288(LC 2), 17=1789(LC 2), 14=1073(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1385/238, 2-3=-1202/282, 3-4=-1894/542, 4-6=-1835/591, 6-7=-1439/343, 7-8=-1431/247, 8-10=-1560/235, 1-17=-1659/277
BOT CHORD 16-17=-218/354, 14-16=-206/1326, 13-14=-206/1326, 11-13=-201/1312, 10-11=-201/1312
WEBS 16-18=-914/450, 3-18=-820/456, 20-21=-728/1489, 21-22=-573/59, 13-22=-626/347, 7-22=-874/440, 8-11=-437/300, 3-20=-350/951, 4-20=-715/462, 4-21=-813/423, 6-21=-286/1037, 6-22=-107/715, 2-16=-188/603, 1-16=-119/1397

SOLID BLOCKING BETWEEN TRUSSES AT JOINT 14 IS RECOMMENDED.
ALL SUPPORTS SHALL BE ADEQUATELY AND EQUALLY RIGID, PROVIDED BY OTHERS.

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 18-20, 20-21, 21-22; Wall dead load (5.0psf) on member(s).16-18, 13-22, 8-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 13-14, 11-13
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 13 and 108 lb uplift at joint 17.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) 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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650839
1669955	A36	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:20 2019 Page 1
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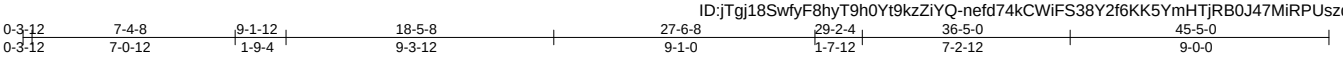

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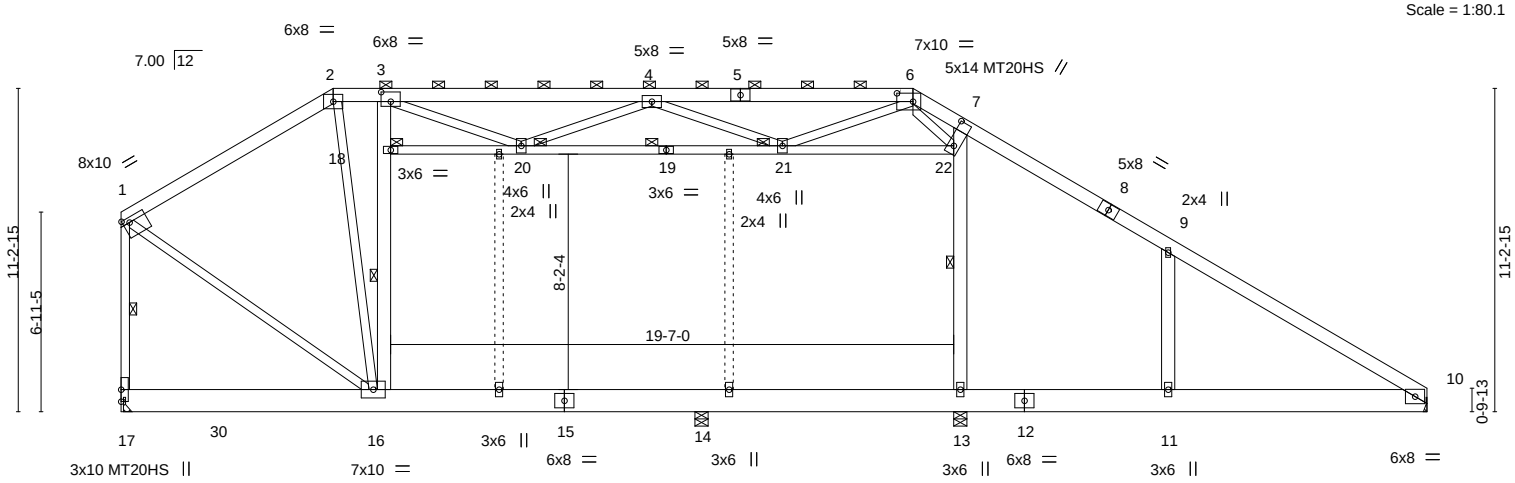

MEMBERS SHOWN DOTTED SHALL BE
REMOVED AFTER TRUSS IS ERECTED AND BRACED.

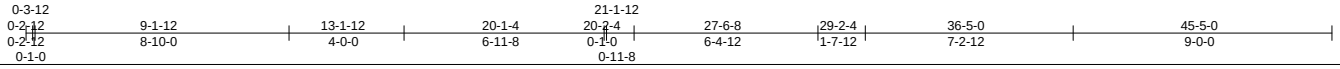

Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [3:0-4-0,0-4-0], [6:0-6-12,0-3-8], [7:0-10-8,0-2-8], [7:0-0-0,0-3-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.19	11-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.37	11-29	>521	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	-0.01	10	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.24	11-29	>819	240	Weight: 475 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
3-16,7-13,9-11: 2x6 SP No.2, 18-19,19-22: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-10-7 max.): 2-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 16-18, 20-21, 13-22, 1-17
JOINTS 1 Brace at Jt(s): 18, 20, 21

REACTIONS. All bearings 0-5-8 except (jt=length) 10=Mechanical, 17=Mechanical.
(lb) - Max Horz 17=-395(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 13=-286(LC 13), 17=-105(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 13=1926(LC 21), 10=1264(LC 2), 17=1789(LC 2), 14=1098(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1384/315, 2-3=-1202/349, 3-4=-1895/608, 4-6=-1840/612, 6-7=-1416/397, 7-9=-1420/292, 9-10=-1543/285, 1-17=-1659/290
BOT CHORD 16-17=-269/337, 14-16=-248/1311, 13-14=-248/1311, 11-13=-243/1297, 10-11=-243/1297
WEBS 16-18=-918/449, 3-18=-823/455, 20-21=-715/1492, 21-22=-524/51, 13-22=-594/334, 7-22=-785/370, 9-11=-436/290, 3-20=-344/953, 4-20=-717/456, 4-21=-805/424, 6-21=-288/1028, 6-22=-88/638, 2-16=-161/603, 1-16=-156/1396

SOLID BLOCKING BETWEEN TRUSSES AT JOINT 14 IS RECOMMENDED.
ALL SUPPORTS SHALL BE ADEQUATELY AND EQUALLY RIGID, PROVIDED BY OTHERS.

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 18-20, 20-21, 21-22; Wall dead load (5.0psf) on member(s).16-18, 13-22, 9-11
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-16, 13-14, 11-13
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 13 and 105 lb uplift at joint 17.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) 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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650840
1669955	A37	ATTIC	4	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:22 2019 Page 1
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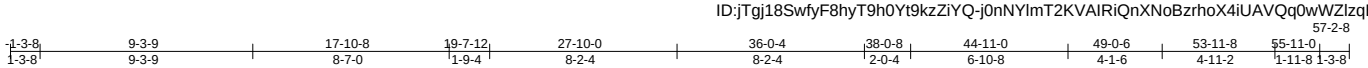

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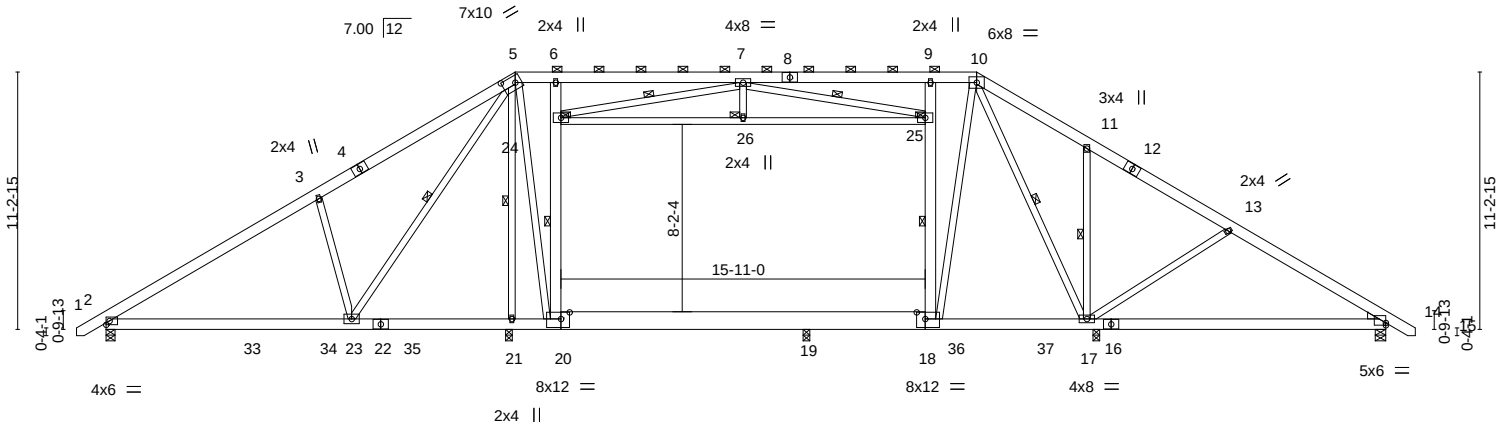

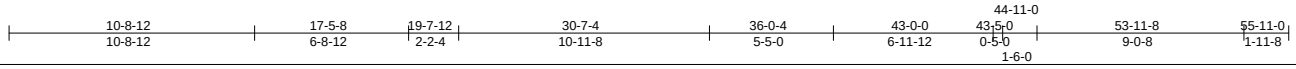

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [14:0-0-0,0-1-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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	0.37	Vert(LL)	-0.14	17-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.29	17-29	>547	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.07	23-32	>999	240	Weight: 518 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 24-25,5-23: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-24, 18-25, 7-24, 7-25, 10-17, 5-23, 5-21
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. All bearings 0-3-8 except (jt=length) 14=0-5-8, 2=0-4-11.
(lb) - Max Horz 2=-316(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 17=-268(LC 13), 21=-146(LC 12), 2=-133(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 17=1731(LC 1), 21=1698(LC 2), 14=512(LC 21), 2=938(LC 24), 19=1266(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1138/262, 3-5=-1016/418, 5-6=-492/266, 6-7=-467/252, 7-9=-480/256, 9-10=-496/268, 13-14=-381/93
BOT CHORD 11-17=-371/280, 2-23=-165/1021, 21-23=-70/411, 20-21=-72/428, 19-20=-78/577, 18-19=-77/583, 17-18=-41/436, 14-17=0/283
WEBS 3-23=-600/420, 20-24=-848/377, 6-24=-451/297, 24-26=-427/1185, 25-26=-427/1185, 18-25=-858/346, 9-25=-466/266, 10-18=-202/803, 7-24=-1238/448, 7-25=-1215/444, 10-17=-955/153, 13-17=-497/295, 5-23=-366/1059, 5-21=-1377/201, 5-20=-166/961

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).20-24, 18-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 17=268, 21=146, 2=133.
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.

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

NOTES- (13)

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.

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650841
1669955	A38	ATTIC	4	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:24 2019 Page 1
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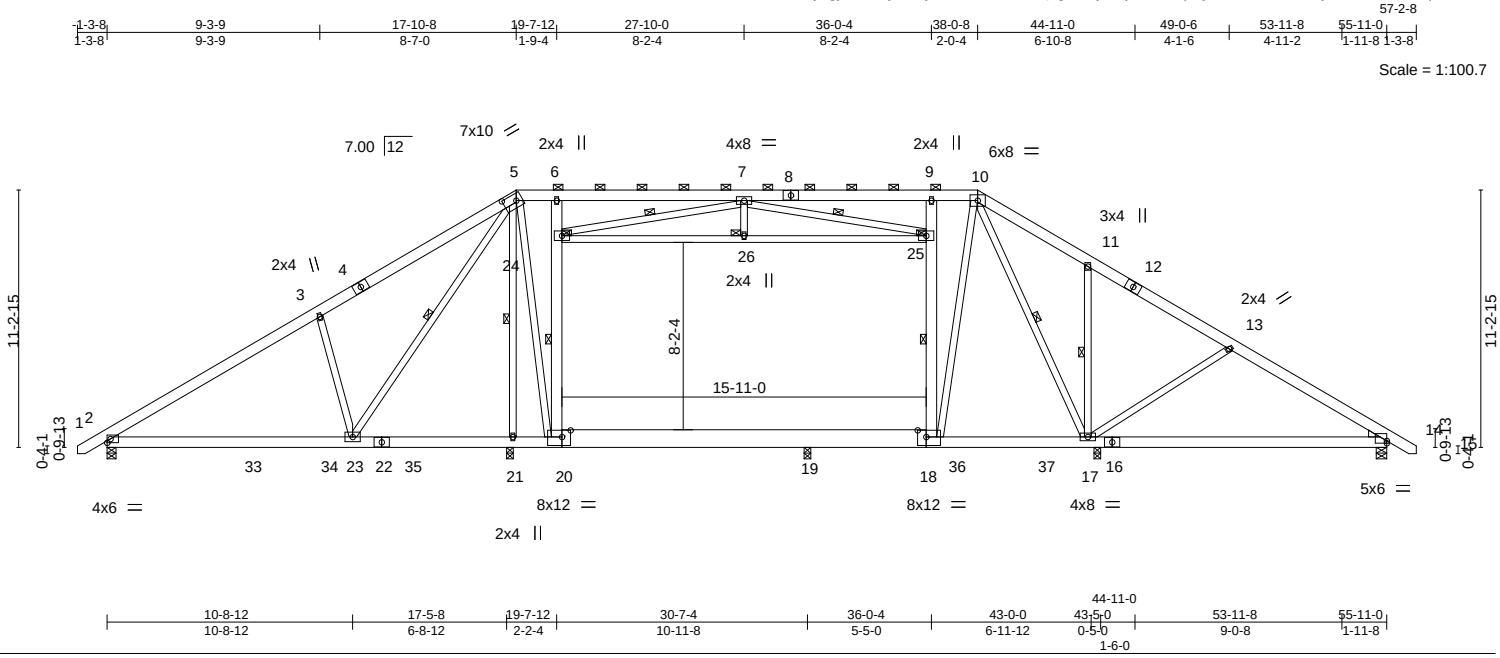

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [14:0-0-0,0-1-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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	0.37	Vert(LL)	-0.14	17-29	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.29	17-29	>547	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.07	23-32	>999	240	Weight: 518 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 24-25,5-23: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-24, 18-25, 7-24, 7-25, 10-17, 5-23, 5-21
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. All bearings 0-3-8 except (jt=length) 14=0-5-8, 2=0-4-11.
(lb) - Max Horz 2=-316(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 17=-268(LC 13), 21=-146(LC 12), 2=-133(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 17=1731(LC 1), 21=1698(LC 2), 14=512(LC 21), 2=938(LC 24), 19=1266(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1138/262, 3-5=-1016/418, 5-6=-492/266, 6-7=-467/252, 7-9=-480/256, 9-10=-496/268, 13-14=-381/93
BOT CHORD 11-17=-371/280, 2-23=-165/1021, 21-23=-70/411, 20-21=-72/428, 19-20=-78/577, 18-19=-77/583, 17-18=-41/436, 14-17=0/283
WEBS 3-23=-600/420, 20-24=-848/377, 6-24=-451/297, 24-26=-427/1185, 25-26=-427/1185, 18-25=-858/346, 9-25=-466/266, 10-18=-202/803, 7-24=-1238/448, 7-25=-1215/444, 10-17=-955/153, 13-17=-497/295, 5-23=-366/1059, 5-21=-1377/201, 5-20=-166/961

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).20-24, 18-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 17=268, 21=146, 2=133.
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.

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

NOTES- (13)

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.

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650842
1669955	A39	ATTIC	8	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:10:07 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-EKJgpcaDboLDqfsllHt9cr1nv3y?8c2S1bNGP8zqBAE

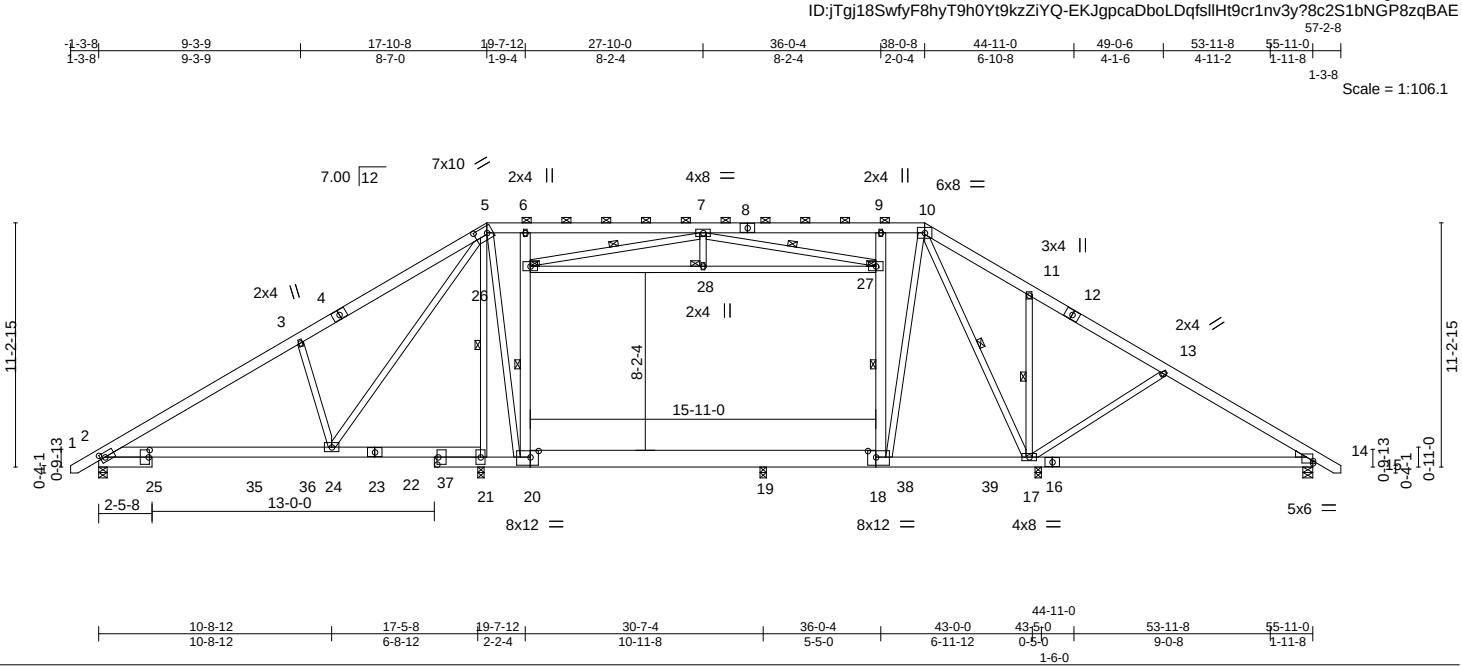

Plate Offsets (X,Y)-- [2:0-2-10,0-2-8], [5:0-6-12,0-3-8], [14:0-0-0,0-1-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8], [22:0-4-0,0-0-8], [25:0-4-0,0-0-8]

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	0.38	Vert(LL)	-0.14	17-34	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.53	Vert(CT)	-0.29	17-34	>545	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.01	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.08	24-29	>999	240	Weight: 526 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 26-27: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-26, 18-27, 7-26, 7-27, 10-17, 5-21
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 2=898/0-4-11, 17=1779/0-3-8, 21=1474/0-3-8, 14=435/0-5-8, 19=521/0-3-8
Max Horz 2=317(LC 11)
Max Uplift2=-125(LC 12), 17=-264(LC 13), 21=-156(LC 12), 14=-101(LC 13)
Max Grav 2=899(LC 24), 17=1779(LC 1), 21=1726(LC 2), 14=473(LC 25), 19=1271(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/40, 2-3=-1088/243, 3-4=-977/341, 4-5=-898/388, 5-6=-424/252, 6-7=-391/237, 7-8=-413/243, 8-9=-413/243, 9-10=-428/254, 10-11=-75/333, 11-12=-38/310, 12-13=-72/147, 13-14=-319/104, 14-15=0/34
BOT CHORD 2-25=-158/955, 25-35=-158/955, 35-36=-158/955, 24-36=-158/955, 23-24=-76/347, 23-37=-76/347, 22-37=-76/347, 21-22=-87/315, 20-21=-72/363, 19-20=-72/499, 18-19=-71/505, 18-38=-72/362, 38-39=-72/362, 17-39=-72/362, 16-17=-3/234, 14-16=-3/234, 11-17=-370/280
WEBS 3-24=-601/404, 20-26=-858/375, 6-26=-461/295, 26-28=-427/1184, 27-28=-427/1184, 18-27=-855/345, 9-27=-464/266, 10-18=-201/791, 7-26=-1239/449, 7-28=0/102, 7-27=-1210/443, 10-17=-1001/158, 13-17=-502/295, 5-24=-339/1053, 5-21=-1338/206, 5-20=-174/896

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 26-28, 27-28; Wall dead load (5.0psf) on member(s).20-26, 18-27
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 2, 264 lb uplift at joint 17 , 156 lb uplift at joint 21 and 101 lb uplift at joint 14.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

NOTES- (14)

12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) 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

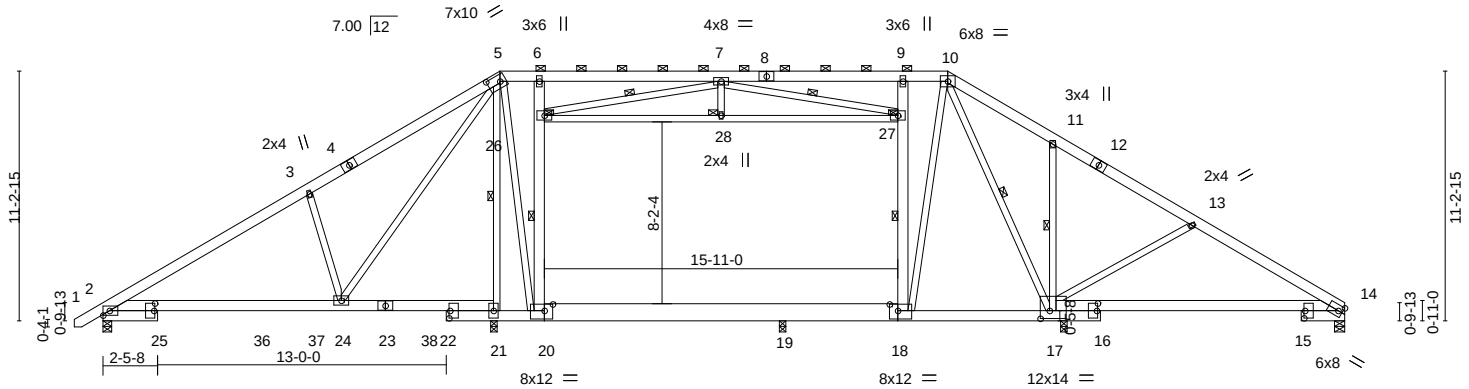
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650843
1669955	A40	ATTIC	12	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:11:54 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-bwH6GCtKPgq196XJXFHFRPz3zBUTj?LCeknQfRzqB8Z

-1-3-8	9-3-9	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	44-11-0	49-0-6	53-11-8	55-11-0
1-3-8	9-3-9	8-7-0	1-9-4	8-2-4	8-2-4	2-0-4	6-10-8	4-1-6	4-11-2	1-11-8

Scale = 1:103.8



10-8-12	17-5-8	19-7-12	30-7-4	36-0-4	42-11-0	44-11-0	53-11-8	55-11-0
10-8-12	6-8-12	2-2-4	10-11-8	5-5-0	6-10-12	43-5-0 / 0-6-0 / 1-6-0	9-0-8	1-11-8

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [15:0-4-0,0-0-8], [16:0-4-0,0-0-8], [17:0-5-0,0-4-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8], [22:0-4-0,0-0-8], [25:0-4-0,0-0-8]

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	0.38	Vert(LL)	-0.11	17-34	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.23	17-34	>682	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.08	24-29	>999	240	Weight: 531 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 26-27: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 20-26, 18-27, 7-26, 7-27, 10-17, 5-21
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 2=832/0-4-11, 17=1860/0-3-8, 14=272/0-5-8, 21=1540/0-3-8, 19=518/0-3-8
Max Horz 2=309(LC 9)
Max Uplift 2=-150(LC 12), 17=-240(LC 13), 14=-87(LC 13), 21=-132(LC 12)
Max Grav 2=851(LC 24), 17=1860(LC 1), 14=308(LC 21), 21=1810(LC 2), 19=1287(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/40, 2-3=-992/274, 3-4=-881/372, 4-5=-753/420, 5-6=-298/276, 6-7=-266/259, 7-8=-281/268, 8-9=-281/268, 9-10=-301/278, 10-11=0/451, 11-12=-4/469, 12-13=-31/297, 13-14=-155/177
BOT CHORD 2-25=-237/804, 25-36=-237/804, 36-37=-237/804, 24-37=-237/804, 23-24=-184/251, 23-38=-184/251, 22-38=-184/251, 21-22=-194/246, 20-21=-179/252, 19-20=-151/358, 18-19=-149/365, 17-18=-172/264, 16-17=-118/98, 15-16=-103/112, 14-15=-172/58, 11-17=-375/284
WEBS 3-24=-601/404, 20-26=-853/377, 6-26=-458/296, 26-28=-427/1184, 27-28=-427/1184, 18-27=-861/340, 9-27=-470/262, 10-18=-196/777, 7-26=-1235/451, 7-28=0/102, 7-27=-1214/442, 10-17=-1068/136, 13-17=-499/290, 5-24=-344/1042, 5-21=-1412/189, 5-20=-174/892

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 26-28, 27-28; Wall dead load (5.0psf) on member(s).20-26, 18-27
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 2, 240 lb uplift at joint 17 , 87 lb uplift at joint 14 and 132 lb uplift at joint 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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January 30,2019

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Edenton, NC 27932

14) 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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650844
1669955	A41	ATTIC	4	1	Job Reference (optional)

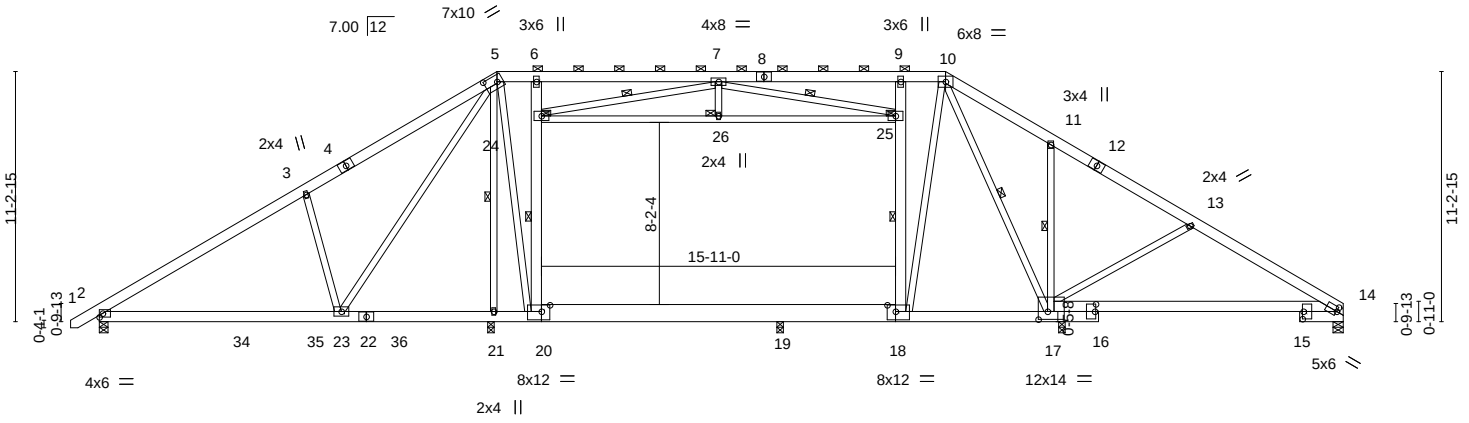
Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:15:02 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-54eBjU8F7RWMj?vRXkfK32lCgzdKm1ltt_KNFYzqB5d

-1-3-8 | 9-3-9 | 17-10-8 | 19-7-12 | 27-10-0 | 36-0-4 | 38-0-8 | 44-11-0 | 49-0-6 | 53-11-8 | 55-11-0

1-3-8 | 9-3-9 | 8-7-0 | 1-9-4 | 8-2-4 | 8-2-4 | 2-0-4 | 6-10-8 | 4-1-6 | 4-11-2 | 1-11-8

Scale = 1:103.6



10-8-12 | 17-5-8 | 19-7-12 | 30-7-4 | 36-0-4 | 42-11-0 | 44-11-0 | 53-11-8 | 55-11-0

10-8-12 | 6-8-12 | 2-2-4 | 10-11-8 | 5-5-0 | 6-10-12 | 43-5-0 / 0-6-0 / 1-6-0 | 9-0-8 | 1-11-8

Plate Offsets (X,Y)-- [5:0-6-12,0-3-8], [14:0-0-2,0-2-8], [15:0-4-0,0-0-8], [16:0-4-0,0-0-8], [17:0-5-0,0-4-4], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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	0.37	Vert(LL)	-0.11	17-32	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.23	17-32	>662	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.07	23-29	>999	240	Weight: 522 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2

BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS

WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 24-25,5-23: 2x4 SP No.2

BRACING-

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

BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17

WEBS 1 Row at midpt 20-24, 18-25, 7-24, 7-25, 10-17, 5-21

JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. (lb/size) 2=868/0-4-11, 17=1816/0-3-8, 14=322/0-5-8, 21=1508/0-3-8, 19=511/0-3-8
Max Horz 2=309(LC 9)
Max Uplift 2=-156(LC 12), 17=-244(LC 13), 14=-83(LC 13), 21=-123(LC 12)
Max Grav 2=887(LC 24), 17=1816(LC 1), 14=353(LC 21), 21=1784(LC 2), 19=1283(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/34, 2-3=-1041/289, 3-4=-908/393, 4-5=-818/441, 5-6=-363/290, 6-7=-344/274, 7-8=-347/281, 8-9=-347/281, 9-10=-365/292, 10-11=0/354, 11-12=0/372, 12-13=-13/198, 13-14=-228/128

BOT CHORD 2-34=-237/870, 34-35=-237/870, 23-35=-237/870, 22-23=-159/264, 22-36=-159/264, 21-36=-159/264, 20-21=-155/281, 19-20=-154/428, 18-19=-154/434, 17-18=-138/311, 16-17=-34/148, 15-16=-19/162, 14-15=-95/101, 11-17=-375/284

WEBS 3-23=-603/417, 20-24=-845/378, 6-24=-450/298, 24-26=-427/1185, 25-26=-427/1185, 18-25=-865/341, 9-25=-472/262, 10-18=-197/784, 7-24=-1232/450, 7-26=0/102, 7-25=-1219/443, 10-17=-1021/126, 13-17=-498/290, 5-23=-360/1060, 5-21=-1455/186, 5-20=-170/950

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).20-24, 18-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 2, 244 lb uplift at joint 17 , 83 lb uplift at joint 14 and 123 lb uplift at joint 21.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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Edenton, NC 27932

14) 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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650845
1669955	A42	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:17:21 2019 Page 1

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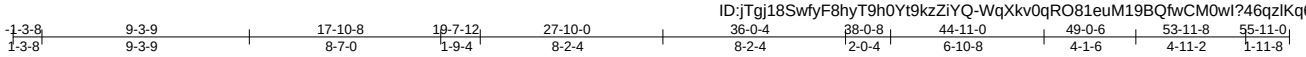

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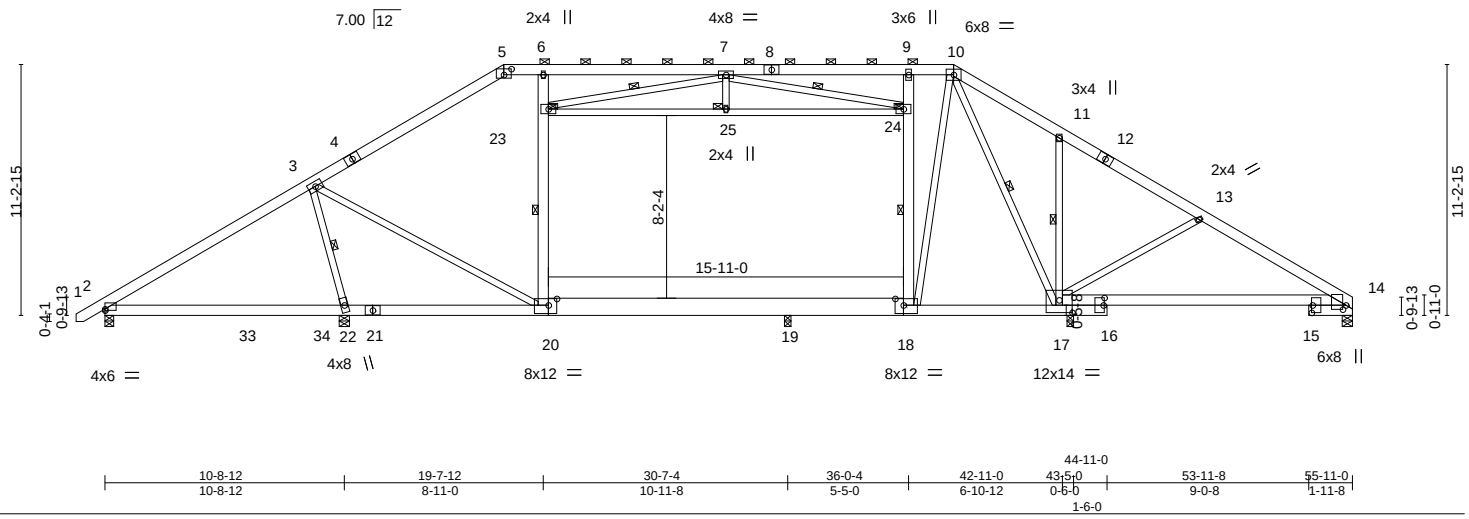

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12], [5:0-4-0,0-3-3], [14:0-2-4,0-1-12], [15:0-4-0,0-0-8], [16:0-4-0,0-0-8], [17:0-7-0,0-6-12], [18:0-4-8,0-3-8], [20:0-4-8,0-3-8]

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)	-0.12	17-31	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.26	17-31	>589	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.06	20-22	>999	240	Weight: 490 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-17: 2x4 SP No.2, 18-20: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-20,9-18: 2x6 SP No.2, 23-24: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 11-17
WEBS 1 Row at midpt 3-22, 20-23, 18-24, 7-23, 7-24, 10-17
JOINTS 1 Brace at Jt(s): 23, 24, 25

REACTIONS. (lb/size) 2=310/0-4-11, 17=1548/0-3-8, 14=619/0-5-8, 22=2053/0-5-8, 19=496/0-3-8
Max Horz 2=309(LC 9)
Max Uplift 2=-149(LC 12), 17=-296(LC 8), 14=-76(LC 12), 22=-134(LC 12)
Max Grav 2=327(LC 24), 17=1659(LC 25), 14=660(LC 20), 22=2232(LC 2), 19=1309(LC 18)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/34, 2-3=-99/495, 3-4=-989/257, 4-5=-793/304, 5-6=-754/337, 6-7=-765/324, 7-8=-679/322, 8-9=-679/322, 9-10=-748/338, 10-11=-594/291, 11-12=-517/194, 12-13=-661/174, 13-14=-927/210
BOT CHORD 2-33=-374/262, 33-34=-374/262, 22-34=-374/262, 21-22=-795/206, 20-21=-795/206, 19-20=-164/829, 18-19=-164/835, 17-18=-129/698, 16-17=-117/785, 15-16=-109/801, 14-15=-128/661, 11-17=-372/285
WEBS 3-22=-1937/398, 20-23=-560/282, 6-23=-157/199, 23-25=-466/1288, 24-25=-466/1288, 18-24=-905/343, 9-24=-486/261, 10-18=-197/822, 7-23=-1315/503, 7-25=0/103, 7-24=-1363/466, 10-17=-851/250, 13-17=-496/291, 3-20=-73/1677

NOTES- (14)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Ceiling dead load (5.0 psf) on member(s). 23-25, 24-25; Wall dead load (5.0psf) on member(s).20-23, 18-24
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20, 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 2, 296 lb uplift at joint 17 , 76 lb uplift at joint 14 and 134 lb uplift at joint 22.
10) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) 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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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650846
1669955	A43	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:32 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-RxN9eAtkiOmlV_TLMdY8b4GNjZRwqmbu7aL2u9zqBqz

-1-3-8	9-6-12	17-10-8	19-7-12	27-10-0	36-0-4	38-0-8	46-4-4	55-11-0
1-3-8	9-6-12	8-3-12	1-9-4	8-2-4	8-2-4	2-0-4	8-3-12	9-6-12

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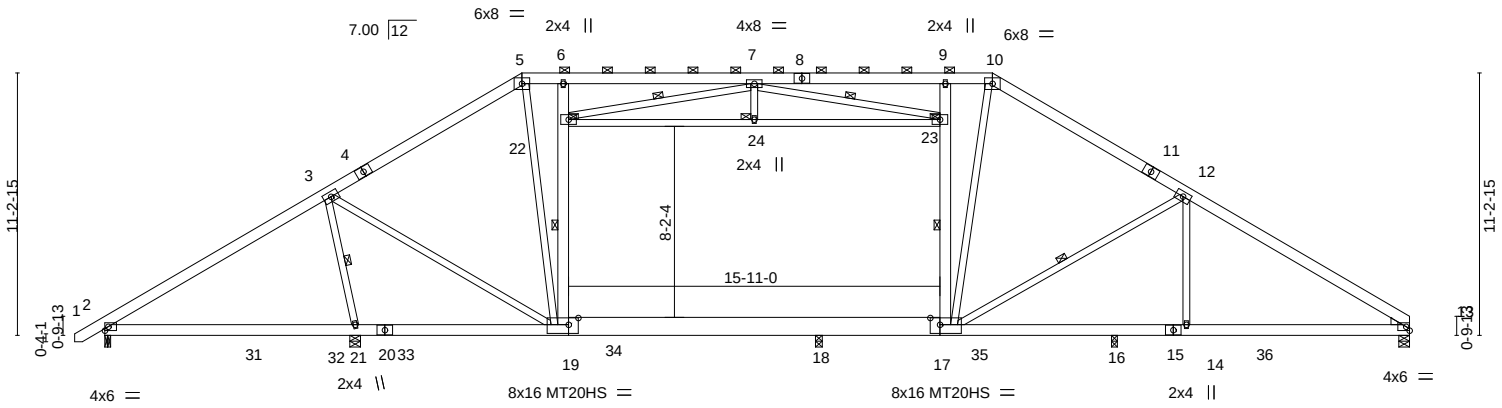

10-8-12	19-7-12	30-7-4	36-0-4	38-0-8	43-4-12	46-4-4	55-11-0
10-8-12	8-11-0	10-11-8	5-5-0	2-0-4	5-4-4	2-11-8	9-6-12

Plate Offsets (X,Y)-- [17:0-5-0,0-3-8], [19:0-5-0,0-3-8]

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	0.41	Vert(LL)	-0.13	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.23	14-30	>659	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.12	16-17	>999	240	Weight: 483 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
15-17: 2x6 SP No.1, 17-19: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except*
6-19,9-17: 2x6 SP No.2, 22-23: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (5-7-11 max.): 5-10.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-21, 19-22, 17-23, 7-22, 7-23, 12-17
JOINTS 1 Brace at Jt(s): 22, 23, 24

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 18=0-3-8, 16=0-3-0.
(lb) - Max Horz 2=310(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 2=-198(LC 13), 21=-227(LC 9), 13=-189(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=860(LC 1), 21=2050(LC 26), 13=1331(LC 21), 18=1383(LC 18), 16=723(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1006/401, 3-5=-1645/426, 5-6=-1431/457, 6-7=-1374/426, 7-9=-1423/463, 9-10=-1438/463, 10-12=-1646/437, 12-13=-1980/442
BOT CHORD 2-21=-178/763, 19-21=-124/508, 18-19=-78/1435, 17-18=-76/1446, 16-17=-245/1618, 14-16=-245/1618, 13-14=-245/1618
WEBS 3-21=-1669/337, 3-19=-152/1312, 5-19=-230/761, 19-22=-912/387, 6-22=-506/302, 22-24=-428/1173, 23-24=-428/1173, 17-23=-828/375, 9-23=-437/293, 10-17=-155/673, 7-22=-1279/469, 7-23=-1207/436, 12-17=-533/345

NOTES- (14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 5x8 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 22-24, 23-24; Wall dead load (5.0psf) on member(s).19-22, 17-23
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-19, 17-18
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 2=198, 21=227, 13=189.
11) 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.

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

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NOTES- (14)

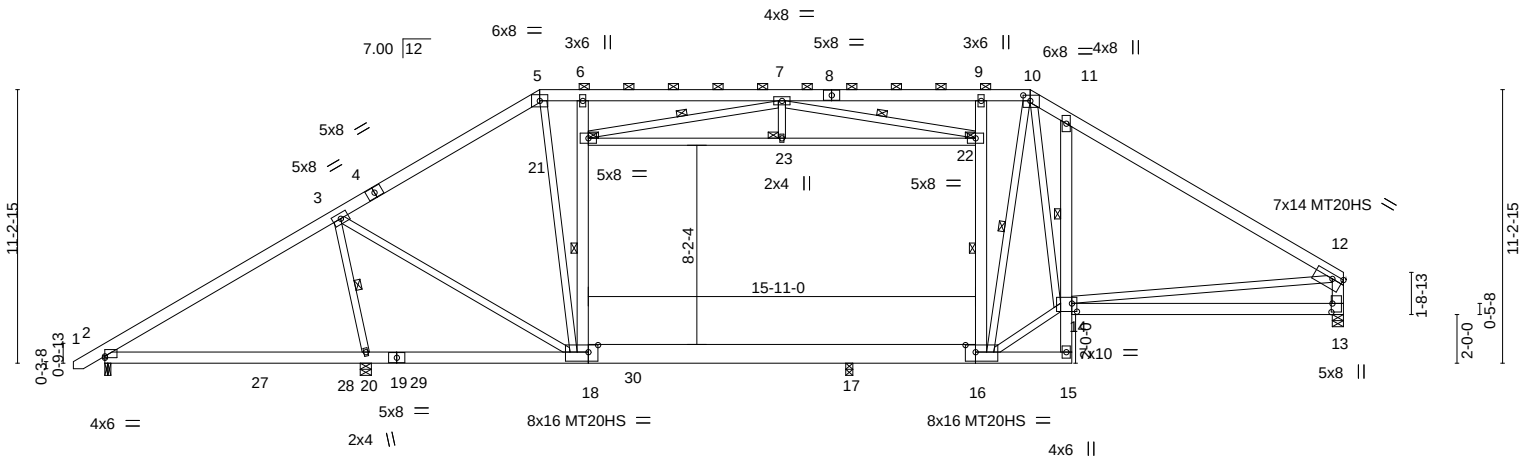
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.
14) This manufactured truss is designed as an individual building component. The suitability and use of this component for any 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/Calabash/ E12650847
1669955	A44	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:34 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-NKVw3sv_D00TkHdkU2bcgVLizN9LIfjBauq9z2zqBqx

-1-3-8 | 9-6-12 | 17-10-8 | 19-7-12 | 27-10-0 | 36-0-4 | 38-0-8 | 44-4-0 | 50-11-0
1-3-8 | 9-6-12 | 8-3-12 | 1-9-4 | 8-2-4 | 8-2-4 | 2-0-4 | 6-3-8 | 6-7-0

Scale = 1:94.7



10-8-12 | 19-7-12 | 30-7-4 | 36-0-4 | 38-0-8 | 39-9-0 | 44-4-0 | 49-5-8 | 50-11-0
10-8-12 | 8-11-0 | 10-11-8 | 5-5-0 | 2-0-4 | 1-8-8 | 4-7-0 | 5-1-8 | 1-5-8

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12], [10:0-3-8,0-2-12], [12:0-5-0,0-2-4], [13:0-4-4,0-0-8], [14:0-2-8,0-4-0], [16:0-5-0,0-3-8], [18:0-4-12,0-3-8]

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) -0.12 15-16 >999 360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.61	Vert(CT) -0.25 13-14 >946 240	MT20HS	187/143
BCLL 0.0	*	Rep Stress Incr YES	WB 0.63	Horz(CT) 0.04 13 n/a n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-AS	Wind(LL) 0.12 15-16 >999 240	Weight: 491 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 16-18: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except* 6-18,9-16,12-13: 2x6 SP No.2, 21-22: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-8-7 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 11-14
WEBS 1 Row at midpt 3-20, 18-21, 16-22, 7-21, 7-22, 10-16
JOINTS 1 Brace at Jt(s): 21, 22, 23

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 17=0-3-8.
(lb) - Max Horz 2=302(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-184(LC 13), 20=-234(LC 9), 13=-157(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=865(LC 1), 20=2205(LC 26), 13=1555(LC 1), 17=1287(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1020/375, 3-5=-1536/406, 5-6=-1302/438, 6-7=-1266/408, 7-9=-1310/444, 9-10=-1315/444, 10-11=-1934/667, 11-12=-2070/441, 12-13=-1428/371
BOT CHORD 2-20=-271/775, 18-20=-336/566, 17-18=-128/1299, 16-17=-129/1308, 13-14=-163/539, 11-14=-594/521
WEBS 3-20=-1817/343, 3-18=-158/1466, 5-18=-248/727, 18-21=-909/390, 6-21=-507/304, 21-23=-424/1160, 22-23=-424/1160, 16-22=-858/352, 9-22=-470/269, 7-21=-1263/464, 7-22=-1197/440, 12-14=-92/1116, 10-14=-444/1337, 10-16=-326/53, 14-16=-28/1367

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 21-23, 22-23; Wall dead load (5.0psf) on member(s).18-21, 16-22
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18, 16-17
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 2, 234 lb uplift at joint 20 and 157 lb uplift at joint 13.
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.

January 30,2019

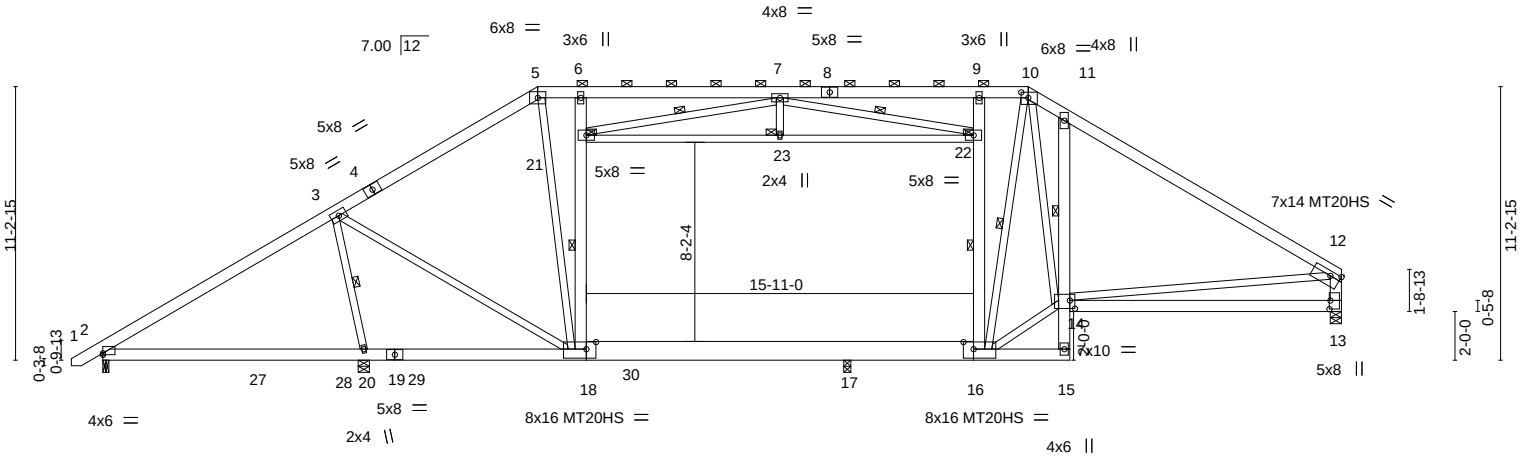
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650848
1669955	A45	ATTIC	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:35 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-rW3IGCwd_J8KMRCw2m6rCjutjmVa16yKpYaiVUzqBqw

-1-3-8 | 9-6-12 | 17-10-8 | 19-7-12 | 27-10-0 | 36-0-4 | 38-0-8 | 44-4-0 | 50-11-0
1-3-8 | 9-6-12 | 8-3-12 | 1-9-4 | 8-2-4 | 8-2-4 | 2-0-4 | 6-3-8 | 6-7-0

Scale = 1:94.7



10-8-12 | 19-7-12 | 30-7-4 | 36-0-4 | 38-0-8 | 39-9-0 | 44-4-0 | 49-5-8 | 50-11-0
10-8-12 | 8-11-0 | 10-11-8 | 5-5-0 | 2-0-4 | 1-8-8 | 4-7-0 | 5-1-8 | 1-5-8

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12], [10:0-3-8,0-2-12], [12:0-5-0,0-2-4], [13:0-4-4,0-0-8], [14:0-2-8,0-4-0], [16:0-5-0,0-3-8], [18:0-4-12,0-3-8]

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)	-0.12	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.61	Vert(CT)	-0.25	13-14	>946	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.12	15-16	>999	240	Weight: 491 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 16-18: 2x10 SP DSS
WEBS 2x4 SP No.3 *Except* 6-18,9-16,12-13: 2x6 SP No.2, 21-22: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-8-7 max.): 5-10.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 11-14
WEBS 1 Row at midpt 3-20, 18-21, 16-22, 7-21, 7-22, 10-16
JOINTS 1 Brace at Jt(s): 21, 22, 23

REACTIONS. All bearings 0-5-8 except (jt=length) 2=0-3-0, 17=0-3-8.
(lb) - Max Horz 2=302(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-184(LC 13), 20=-234(LC 9), 13=-157(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=865(LC 1), 20=2205(LC 26), 13=1555(LC 1), 17=1287(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1020/375, 3-5=-1536/406, 5-6=-1302/438, 6-7=-1266/408, 7-9=-1310/444, 9-10=-1315/444, 10-11=-1934/667, 11-12=-2070/441, 12-13=-1428/371
BOT CHORD 2-20=-271/775, 18-20=-336/566, 17-18=-128/1299, 16-17=-129/1308, 13-14=-163/539, 11-14=-594/521
WEBS 3-20=-1817/343, 3-18=-158/1466, 5-18=-248/727, 18-21=-909/390, 6-21=-507/304, 21-23=-424/1160, 22-23=-424/1160, 16-22=-858/352, 9-22=-470/269, 7-21=-1263/464, 7-22=-1197/440, 12-14=-92/1116, 10-14=-444/1337, 10-16=-326/53, 14-16=-28/1367

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Ceiling dead load (5.0 psf) on member(s). 21-23, 22-23; Wall dead load (5.0psf) on member(s).18-21, 16-22
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18, 16-17
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 2, 234 lb uplift at joint 20 and 157 lb uplift at joint 13.
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.

January 30,2019

ENGINEERING BY TRENCO
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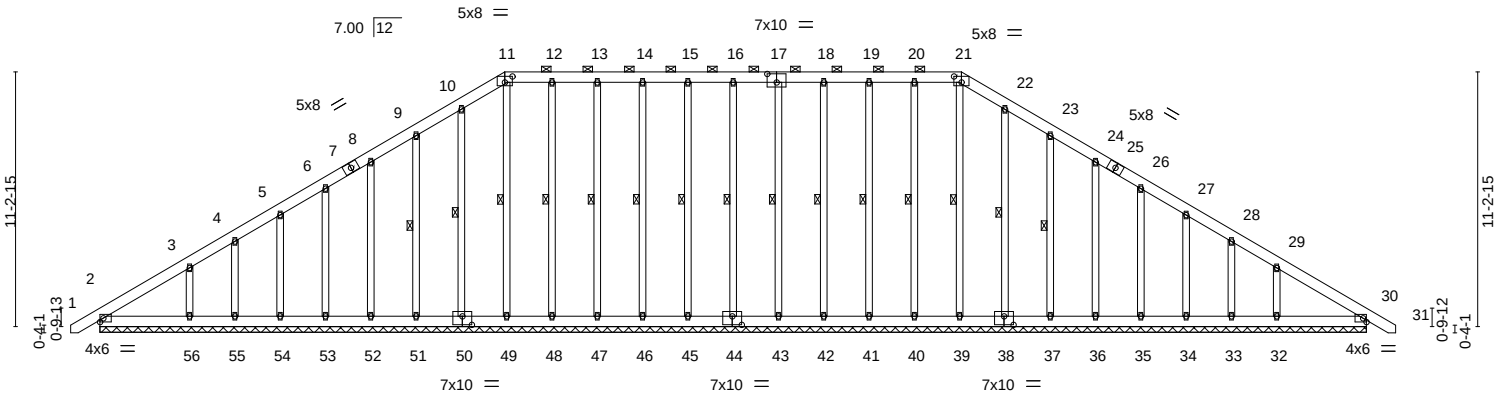
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650849
1669955	A46	GABLE	3	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:39 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-kIIp6Zz72Yelr2VhHcAnNZ2f5O0Kz0owkAYweGzqBqs

-1-3-8	17-10-8	38-0-7	55-11-0	57-2-8
1-3-8	17-10-8	20-1-15	17-10-9	1-3-8

Scale = 1:101.7



55-11-0
55-11-0

Plate Offsets (X,Y)-- [11:0-4-0,0-3-3], [17:0-5-0,0-4-8], [21:0-4-0,0-3-3], [38:0-5-0,0-4-8], [44:0-5-0,0-4-8], [50:0-5-0,0-4-8]

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	0.08	Vert(LL)	0.00	31	n/r	120	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.05	Vert(CT)	0.00	31	n/r	120		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.13	Horz(CT)	0.01	30	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S							Weight: 570 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 11-21.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 16-44, 15-45, 14-46, 13-47, 12-48, 11-49, 10-50, 9-51, 17-43, 18-42, 19-41, 20-40, 21-39, 22-38, 23-37

REACTIONS. All bearings 55-11-0.
(lb) - Max Horz 2=-316(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 43, 42, 41, 40, 38, 37, 36, 35, 34, 33 except 56=-156(LC 12), 32=-150(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 30, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33 except 56=336(LC 19), 32=329(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-289/265, 9-10=-222/275, 10-11=-260/303, 11-12=-240/287, 12-13=-240/287, 13-14=-240/287, 14-15=-240/287, 15-16=-240/287, 16-17=-240/287, 17-18=-240/287, 18-19=-240/287, 19-20=-240/287, 20-21=-240/286, 21-22=-260/303, 22-23=-222/256
WEBS 3-56=-261/188, 29-32=-261/181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 43, 42, 41, 40, 38, 37, 36, 35, 34, 33 except (jt=lb) 56=156, 32=150.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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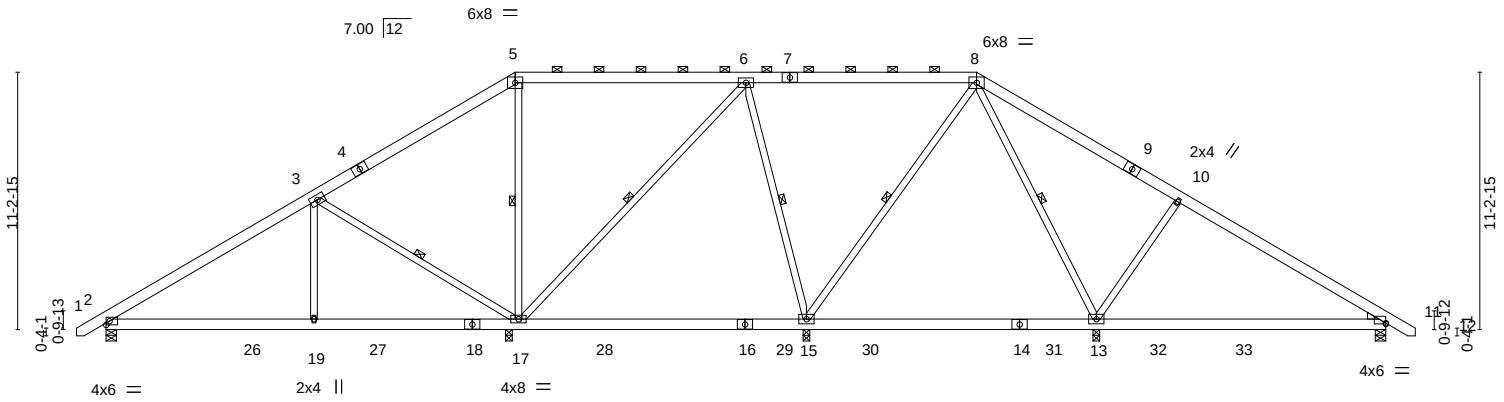
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	A47	PIGGYBACK BASE	3	1	E12650850 Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:41 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-ggQZXF_Na9uT4Mf4O0DFS_7s7BXaRq7DBU10j8zqBqq

-1-3-8	9-1-0	17-10-8	27-11-8	38-0-7	46-9-15	55-11-0	57-2-8
1-3-8	9-1-0	8-9-8	10-1-0	10-1-0	8-9-8	9-1-1	1-3-8

Scale = 1:100.7



9-1-0	17-5-8	17-10-8	30-7-4	43-3-4	55-11-0
9-1-0	8-4-8	0-5-0	12-8-12	12-8-0	12-7-12

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

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	0.62	Vert(LL)	-0.19	15-17	>790	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.29	15-17	>512	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.06	13-25	>999	240	Weight: 403 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
6-17,8-15: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-17, 5-17, 6-17, 6-15, 8-15, 8-13

REACTIONS. All bearings 0-3-8 except (jt=length) 2=0-5-8, 11=0-5-8.
(lb) - Max Horz 2=316(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-152(LC 12), 17=-275(LC 12), 15=-180(LC 8), 13=-239(LC 13), 11=-162(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=728(LC 19), 17=1440(LC 25), 15=1132(LC 26), 13=1044(LC 20), 11=655(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-758/222, 3-5=-109/310, 6-8=-228/261, 8-10=-347/223, 10-11=-557/190
BOT CHORD 2-19=-184/773, 17-19=-184/773, 13-15=-42/268, 11-13=-11/415
WEBS 3-19=0/349, 3-17=-955/381, 5-17=-568/220, 6-17=-319/157, 6-15=-489/323, 8-15=-330/108, 10-13=-604/405

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 2, 275 lb uplift at joint 17, 180 lb uplift at joint 15, 239 lb uplift at joint 13 and 162 lb uplift at joint 11.
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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	A48	PIGGYBACK BASE	6	1	E12650851 Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:42 2019 Page 1
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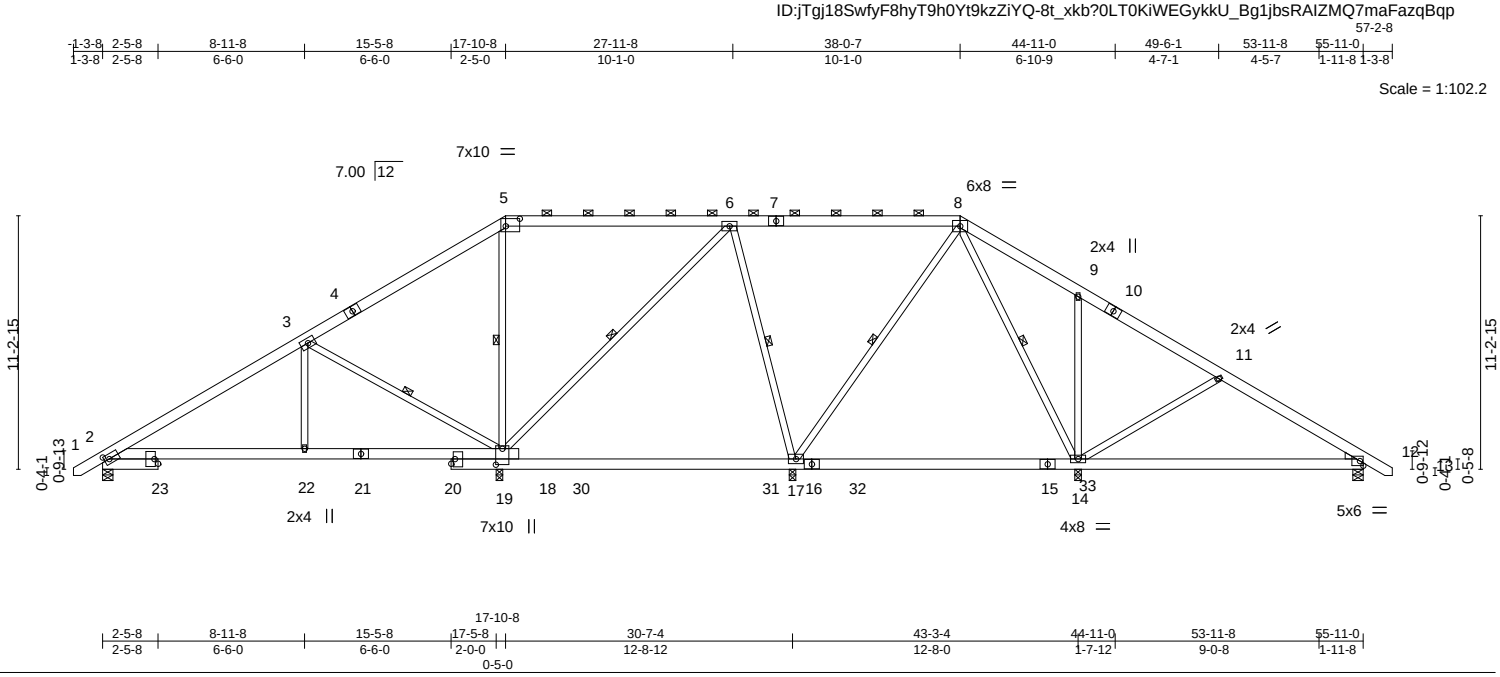

Plate Offsets (X,Y)-- [2:0-2-10,0-2-8], [5:0-7-8,0-4-0], [19:0-8-8,0-3-8]

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)	-0.21	14-17	>715	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.28	14-17	>544	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	-0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.04	22-24	>999	240	Weight: 425 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
8-17,6-19: 2x4 SP No.2
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-19, 6-17, 8-14, 5-19, 8-17, 6-19

REACTIONS. All bearings 0-3-8 except (jt=length) 2=0-5-8, 12=0-5-8.
(lb) - Max Horz 2=317(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-119(LC 12), 19=-324(LC 12), 17=-207(LC 9), 12=-108(LC 13), 14=-328(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=636(LC 23), 19=1515(LC 23), 17=1065(LC 26), 12=556(LC 24), 14=1156(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-645/156, 3-5=-124/360, 11-12=-500/121
BOT CHORD 2-22=-117/629, 19-22=-123/629, 17-19=-186/288, 14-17=-134/251, 12-14=0/393
WEBS 3-22=0/333, 3-19=-850/382, 6-17=-496/315, 8-14=-254/108, 5-19=-639/251, 9-14=-384/291, 8-17=-291/79, 11-14=-493/292, 6-19=-358/170

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 5x8 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 119 lb uplift at joint 2, 324 lb uplift at joint 19, 207 lb uplift at joint 17, 108 lb uplift at joint 12 and 328 lb uplift at joint 14.
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.

January 30,2019

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

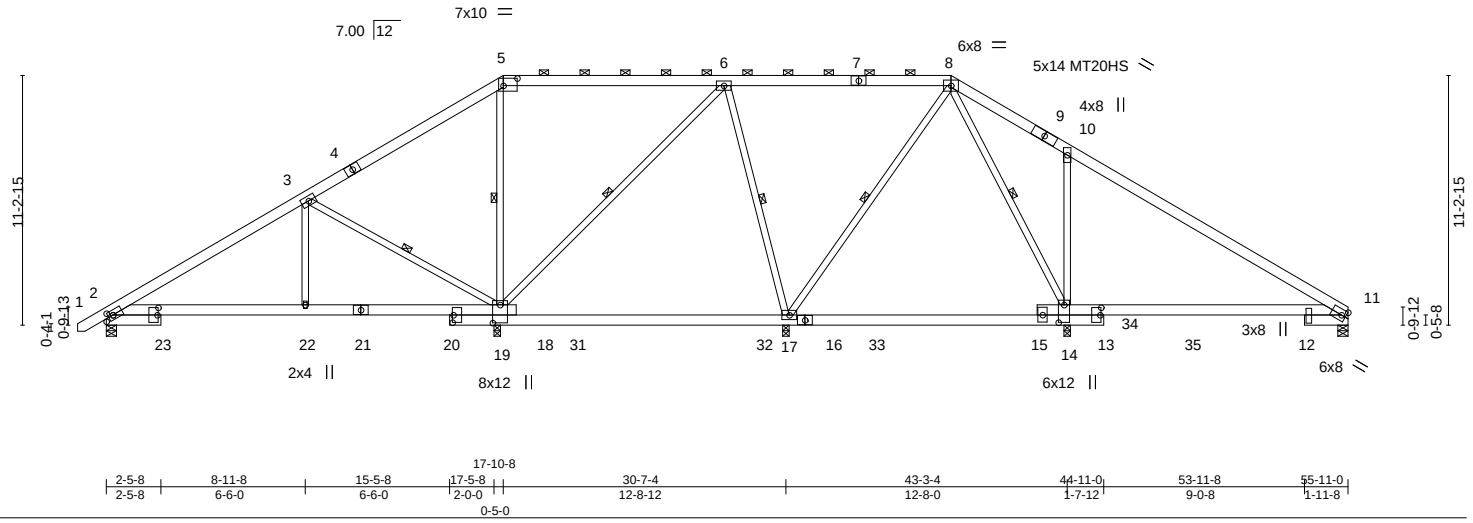
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650852
1669955	A49	PIGGYBACK BASE	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Jan 19 2019 MiTek Industries, Inc. Wed Jan 30 12:21:04 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-UkW1iGXKtf7?8da0lm9DkOl_su9naob96J0XyZzqB?z

-1-3-8 2-5-8 8-11-8 15-5-8 17-10-8 27-11-8 38-0-7 44-11-0 53-11-8 55-11-0
1-3-8 2-5-8 6-6-0 6-6-0 2-5-0 10-1-0 10-1-0 6-10-9 9-0-8 1-11-8

Scale = 1:103.8



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2-5-8 6-6-0 6-6-0 2-0-0 12-8-12 12-8-0 1-7-12 9-0-8 1-11-8
17-10-8
0-5-0

Plate Offsets (X,Y)-- [2:0-3-8,0-3-8], [2:0-2-10,0-2-8], [5:0-7-8,0-4-0], [13:0-4-0,0-0-8], [14:0-9-8,0-3-0], [19:0-9-12,0-4-0], [20:0-4-0,0-0-8], [23:0-4-0,0-0-8]

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	0.65	Vert(LL)	-0.19	17-19	>807	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.28	17-19	>547	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	30	>999	240	Weight: 420 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 9-11: 2x6 SP DSS
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 8-17,6-19: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 5-8.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-19, 6-17, 8-14, 5-19, 8-17, 6-19

REACTIONS. (lb/size) 2=625/0-5-8, 11=360/0-5-8, 19=1501/0-3-8, 17=865/0-3-8, 14=1150/0-3-8
Max Horz 2=309(LC 11)
Max Uplift 2=-123(LC 12), 11=-102(LC 13), 19=-340(LC 12), 17=-227(LC 9), 14=-324(LC 13)
Max Grav 2=628(LC 23), 11=398(LC 20), 19=1503(LC 23), 17=978(LC 26), 14=1451(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/41, 2-3=-637/156, 3-4=-133/210, 4-5=-94/370, 5-6=-31/208, 6-7=-133/272, 7-8=-133/272, 8-9=-246/341, 9-10=-255/312, 10-11=-125/271
BOT CHORD	2-23=-141/626, 22-23=-141/626, 21-22=-141/626, 20-21=-141/626, 19-20=-148/612, 18-19=-132/274, 18-31=-181/212, 31-32=-181/212, 17-32=-181/212, 16-17=-182/203, 16-33=-182/203, 33-34=-182/203, 15-34=-182/203, 14-15=-136/280, 13-14=-176/159, 13-35=-176/159, 12-35=-176/159, 11-12=-176/159
WEBS	3-22=0/327, 3-19=-850/385, 6-17=-525/298, 8-14=-196/94, 5-19=-641/250, 10-14=-822/579, 8-17=-223/106, 6-19=-328/209

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 5x8 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 2, 102 lb uplift at joint 11 , 340 lb uplift at joint 19, 227 lb uplift at joint 17 and 324 lb uplift at joint 14.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650853
1669955	A50	PIGGYBACK BASE	3	1	Job Reference (optional)

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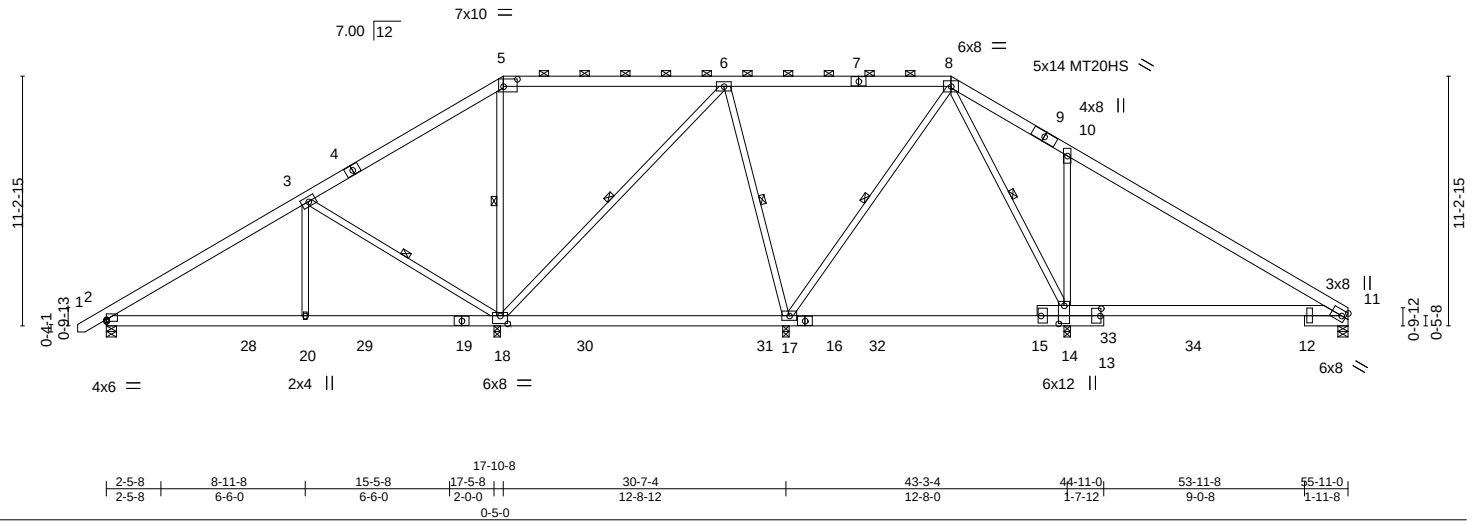
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-DHHNCZtaV4E6ar8XJHAUG?O7h2NQqSKesk9Su3zqB_D

-1-3-8 2-5-8 8-11-8 15-5-8 17-10-8 27-11-8 38-0-7 44-11-0 53-11-8 55-11-0
1-3-8 2-5-8 6-6-0 6-6-0 2-5-0 10-1-0 10-1-0 6-10-9 9-0-8 1-11-8

Scale = 1:103.8



17-10-8
2-5-8 8-11-8 15-5-8 17-5-8 30-7-4 43-3-4 44-11-0 53-11-8 55-11-0
2-5-8 6-6-0 6-6-0 2-0-0 12-8-12 12-8-0 1-7-12 9-0-8 1-11-8
0-5-0

Plate Offsets (X,Y)-- [2:0-0-12,0-0-0], [2:0-0-0,0-1-0], [5:0-7-8,0-4-0], [13:0-4-0,0-0-8], [14:0-9-12,0-3-0], [18:0-4-0,0-4-4]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.65	Vert(LL)	-0.24	17-18	>659	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.69	Vert(CT)	-0.37	17-18	>424	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr YES	WB	0.78	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.10	27	>999	240	Weight: 410 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 9-11: 2x6 SP DSS
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 8-17,6-18: 2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (10-0-0 max.): 5-8.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-18, 6-17, 8-14, 5-18, 8-17, 6-18

REACTIONS. (lb/size) 2=678/0-5-8, 11=365/0-5-8, 18=1395/0-3-8, 17=908/0-3-8, 14=1159/0-3-8
Max Horz 2=309(LC 9)
Max Uplift 2=-153(LC 12), 11=-106(LC 13), 18=-293(LC 12), 17=-209(LC 9), 14=-328(LC 13)
Max Grav 2=700(LC 19), 11=374(LC 20), 18=1427(LC 25), 17=1062(LC 26), 14=1419(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/34, 2-3=-711/214, 3-4=-83/158, 4-5=-36/332, 5-6=-92/218, 6-7=-157/285, 7-8=-157/285, 8-9=-255/350, 9-10=-264/320, 10-11=-85/263
BOT CHORD	2-28=-206/724, 20-28=-206/724, 20-29=-206/724, 19-29=-206/724, 18-19=-206/724, 18-30=-169/158, 30-31=-169/158, 17-31=-169/158, 16-17=-170/194, 16-32=-170/194, 32-33=-170/194, 15-33=-170/194, 14-15=-126/236, 13-14=-169/152, 13-34=-169/152, 12-34=-169/152, 11-12=-169/152
WEBS	3-20=0/335, 3-18=-937/385, 6-17=-556/304, 8-14=-184/107, 5-18=-587/219, 10-14=-822/579, 8-17=-202/79, 6-18=-258/187

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 5x8 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2, 106 lb uplift at joint 11 , 293 lb uplift at joint 18, 209 lb uplift at joint 17 and 328 lb uplift at joint 14.
9) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
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.

LOAD CASE(S) Standard

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650854
1669955	B01	GABLE	13	1	Job Reference (optional)

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ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-VqnqnI389?fdoH7ElHJfhFN0FckNrfh5aPULwozqBqk

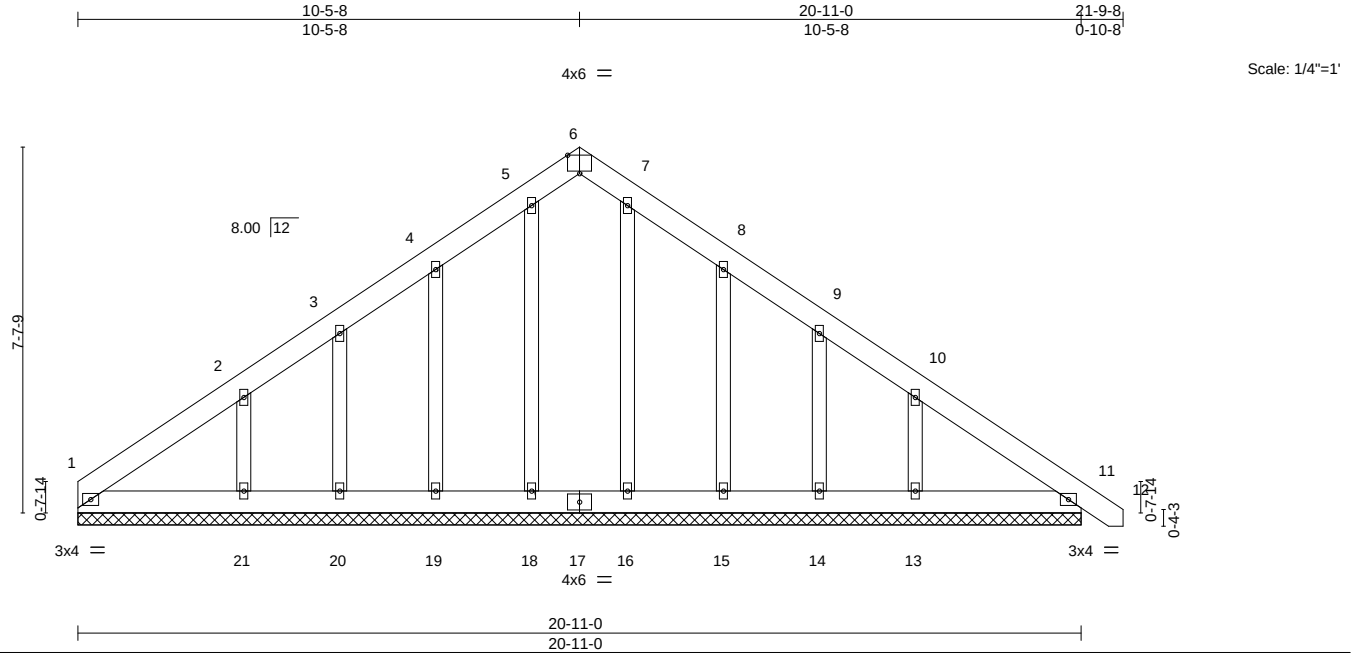

Plate Offsets (X,Y)-- [6:0-3-0,Edge]

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	0.07	Vert(LL)	0.00	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	12	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 159 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 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 20-11-0.
(lb) - Max Horz 1=-209(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 11, 18, 19, 20, 16, 15, 14 except 21=-147(LC 12), 13=-140(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 6, 11, 18, 19, 20, 16, 15, 14 except 21=308(LC 19), 13=297(LC 20)

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

NOTES- (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 1, 6, 11, 18, 19, 20, 16, 15, 14 except (jt=lb) 21=147, 13=140.
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.

January 30,2019

ENGINEERING BY TRENCO
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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650855
1669955	B02	COMMON	54	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:48 2019 Page 1
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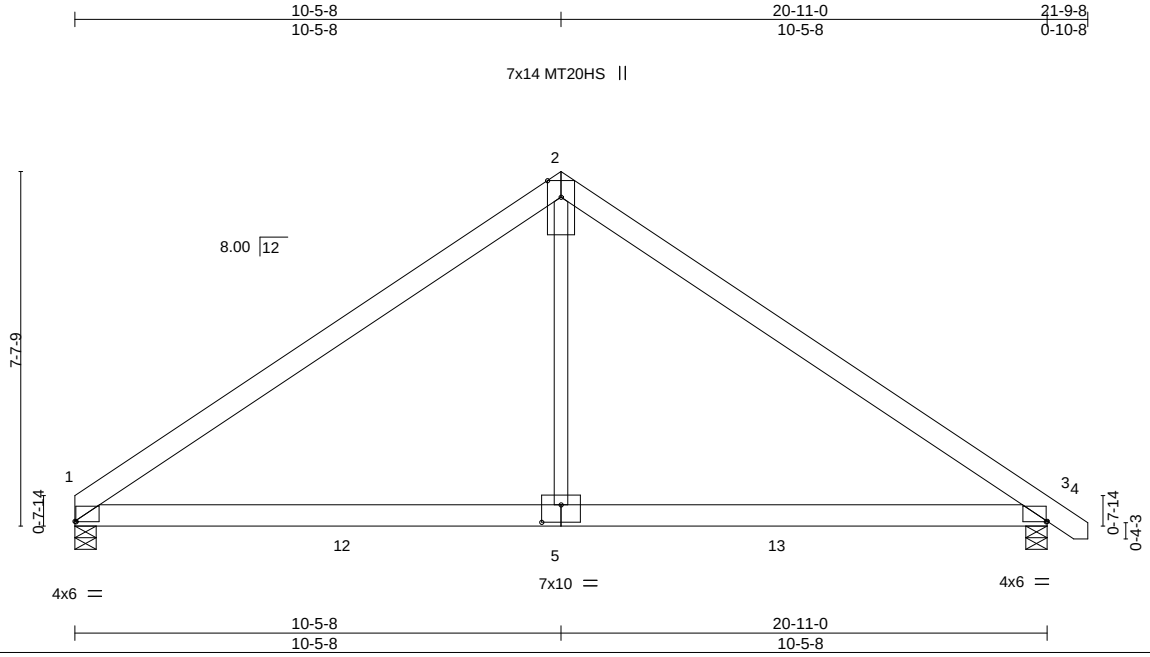

Plate Offsets (X,Y)-- [1:0-0-4,0-0-2], [3:0-0-4,0-0-2], [5:0-5-0,0-4-8]

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	0.51	Vert(LL)	-0.09	5-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.17	5-8	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	5-8	>999	240	Weight: 121 lb	FT = 20%

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

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

REACTIONS. (lb/size) 1=836/0-5-8, 3=881/0-5-8
Max Horz 1=-207(LC 10)
Max Uplift 1=-140(LC 12), 3=-159(LC 13)
Max Grav 1=916(LC 19), 3=958(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1138/265, 2-3=-1139/266
BOT CHORD 1-5=-59/916, 3-5=-59/916
WEBS 2-5=0/573

NOTES- (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=140, 3=159.
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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	B03	COMMON GIRDER	18	3	E12650856
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:49 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-RDvbC_5PhcvL2bGcsiM7ngTJtQKmJPTO1jzR?gzqBqi

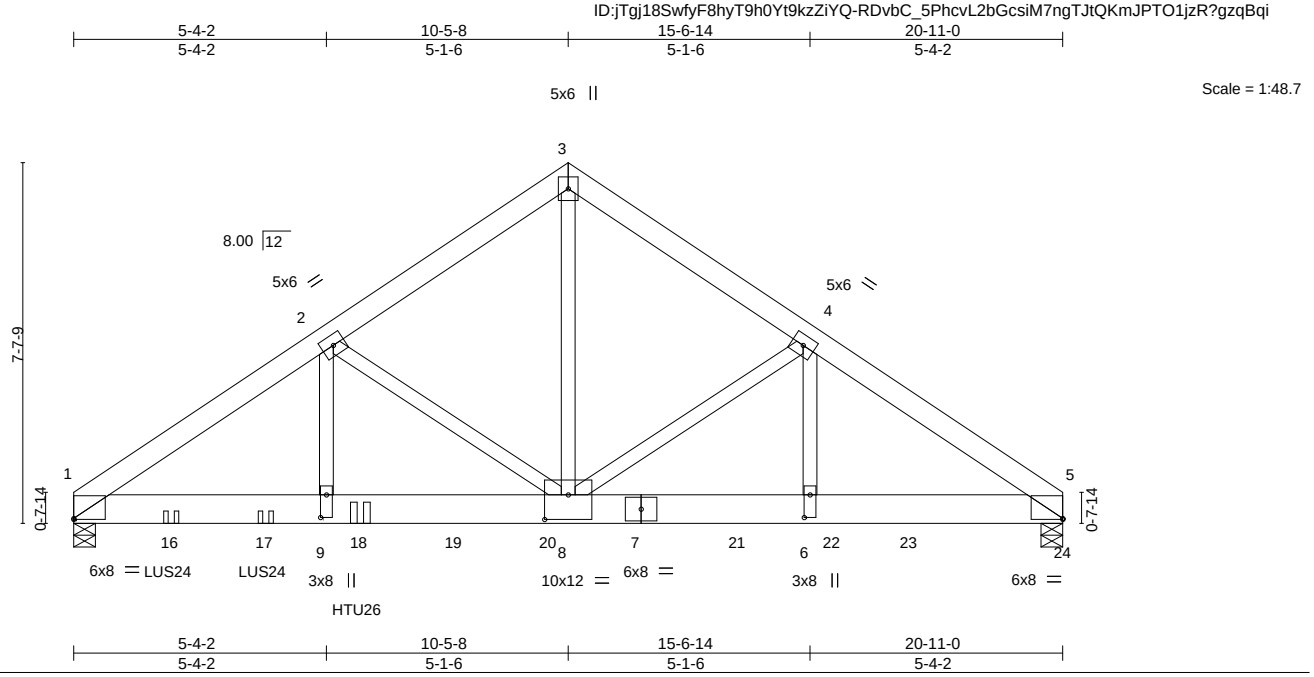

Plate Offsets (X,Y)-- [1:0-0-0,0-0-4], [5:Edge,0-0-4], [6:0-5-12,0-1-8], [8:0-6-0,0-6-4], [9:0-5-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.08	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.15	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	6-8	>999	240	Weight: 482 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 1=5985/0-5-8, 5=8119/0-5-8
Max Horz 1=-198(LC 4)
Max Uplift 1=-447(LC 8), 5=-975(LC 9)
Max Grav 1=6550(LC 2), 5=9597(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10611/314, 2-3=-8699/169, 3-4=-8709/166, 4-5=-13038/1086
BOT CHORD 1-9=-316/8748, 8-9=-316/8748, 6-8=-824/10837, 5-6=-824/10837
WEBS 3-8=-49/9246, 4-8=-4444/1182, 4-6=-1018/4731, 2-8=-1960/400, 2-9=-122/1996

NOTES- (12)
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 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=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=447, 5=975.
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 2-0-12 from the left end to 4-0-12 to connect truss(es) to back face of bottom chord.
9) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent at 6-0-12 from the left end to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1757 lb down and 341 lb up at 12-0-12, 1757 lb down and 341 lb up at 14-0-12, 1757 lb down and 341 lb up at 16-0-12, and 1757 lb down and 341 lb up at 17-8-4, and 1757 lb down and 341 lb up at 19-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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.

Continued on page 2

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

LOAD CASE(S) Standard

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818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-5=-60, 10-13=-20
   Concentrated Loads (lb)
   Vert: 7=-1403 16=-586(B) 17=-549(B) 18=-549(B) 19=-1864 20=-1864 21=-1403 22=-1403 23=-1403 24=-1403

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650857
1669955	B04	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:50 2019 Page 1
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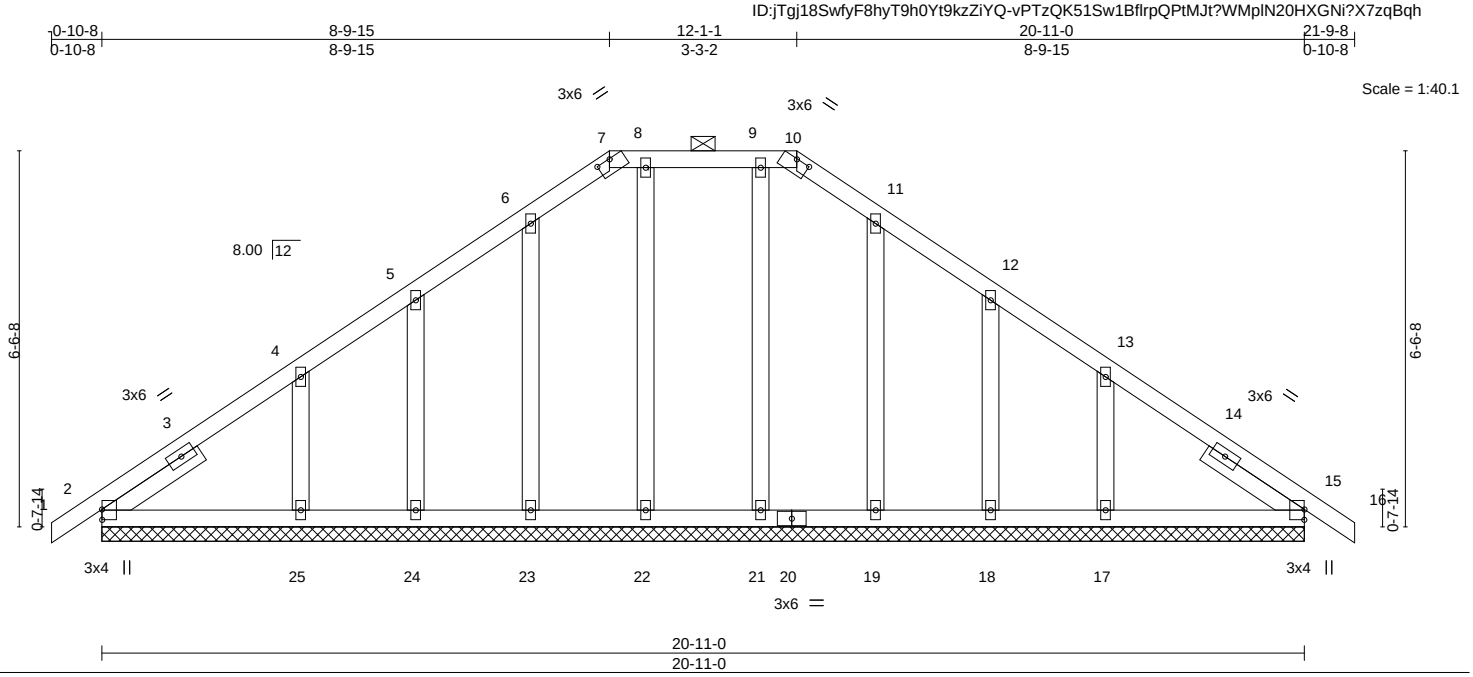

Plate Offsets (X,Y)-- [2:Edge,0-0-1], [7:0-3-0,0-0-2], [10:0-3-0,0-0-2], [15:Edge,0-0-1]

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	0.14	Vert(LL)	0.00	16	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	0.00	16	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	15	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 128 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 2-0-0, 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.): 7-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-11-0.
(lb) - Max Horz 2=-185(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 23, 24, 21, 19, 18, 15 except 25=-153(LC 12), 17=-147(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 22, 23, 24, 21, 19, 18, 15 except 25=295(LC 19), 17=288(LC 20)

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

NOTES- (12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, 22, 23, 24, 21, 19, 18, 15 except (jt=lb) 25=153, 17=147.
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.

January 30,2019

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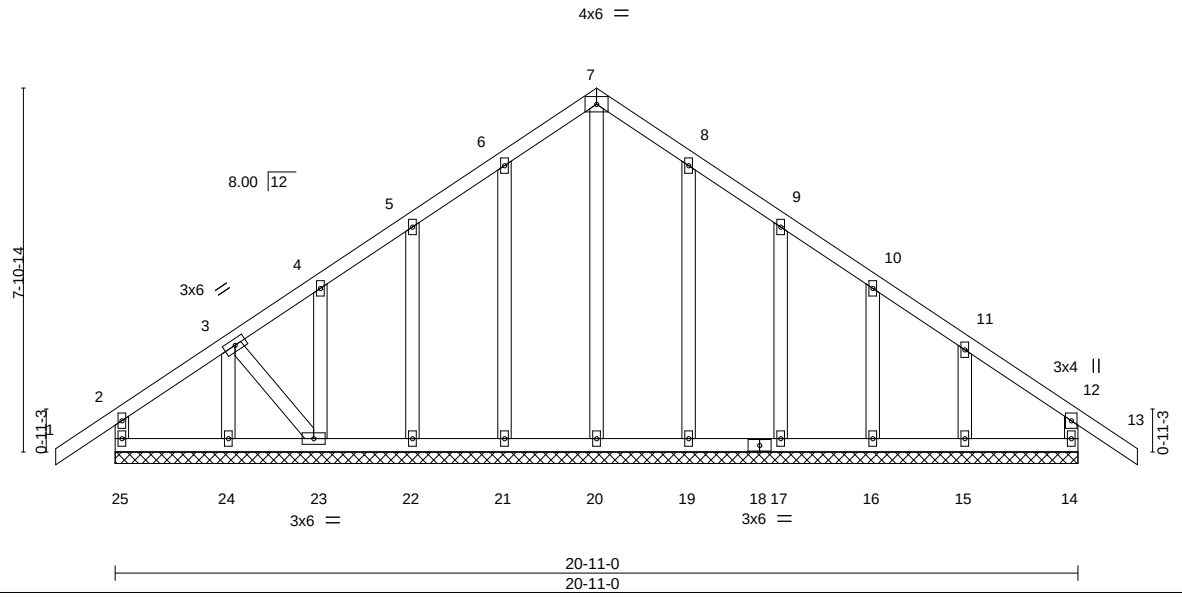
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650858
1669955	B11	Common Supported Gable	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:51 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-Nb1Ldg6fDE92HuQ?_7Obs5Yh0D5onRBhU1SY3ZzqBqg

-1-3-8 / 1-3-8 | 10-5-8 / 10-5-8 | 20-11-0 / 10-5-8 | 22-2-8 / 1-3-8

Scale = 1:50.1



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	0.15	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 138 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2 *Except* 3-23: 2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

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

REACTIONS. All bearings 20-11-0.
(lb) - Max Horz 25=-252(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 25, 14, 20, 21, 22, 24, 19, 17, 16 except 23=-201(LC 12), 15=-127(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 25, 14, 20, 21, 22, 19, 17, 16, 15 except 23=260(LC 19), 24=251(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 6-7=-222/255, 7-8=-222/255

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 14, 20, 21, 22, 24, 19, 17, 16 except (jt=lb) 23=201, 15=127.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650859
1669955	B12	COMMON	21	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:52 2019 Page 1
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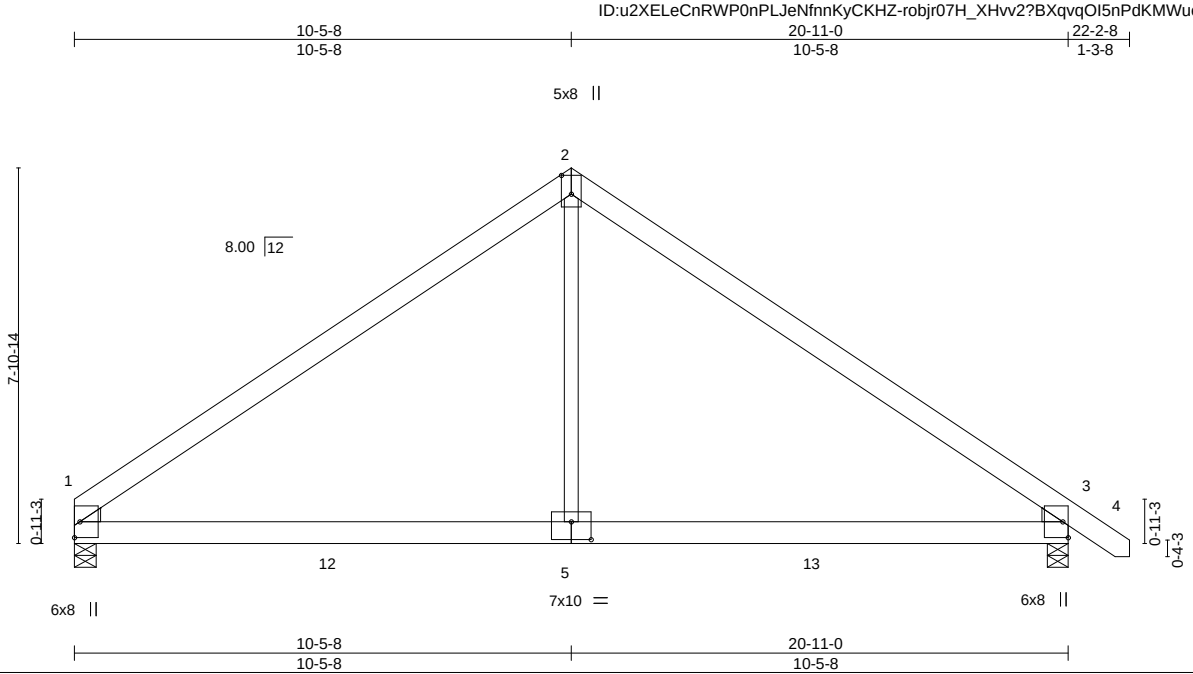

Plate Offsets (X,Y)-- [1:0-0-15,0-4-14], [1:0-0-7,0-0-11], [2:0-4-12,0-2-8], [3:0-0-7,0-0-11], [3:0-0-15,0-4-14], [5:0-5-0,0-4-8]

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	0.49	Vert(LL)	-0.09	5-8	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.56	Vert(CT)	-0.15	5-8	>999	240		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.22	Horz(CT)	0.02	1	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-AS		Wind(LL)	0.10	5-8	>999	240	Weight: 124 lb	FT = 20%

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

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

REACTIONS. (lb/size) 1=835/0-5-8, 3=907/0-5-4
Max Horz 1=-213(LC 8)
Max Uplift 1=-138(LC 12), 3=-169(LC 13)
Max Grav 1=926(LC 19), 3=994(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1134/263, 2-3=-1136/264
BOT CHORD 1-5=-55/888, 3-5=-55/888
WEBS 2-5=0/571

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=138, 3=169.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	B13	Common Girder	7	3	E12650860
					Job Reference (optional)

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ID:u2XELeCnRWP0nPLJeNfnnKyCKHZ-nAiUFi8XW9Xd8M9afFxIUjA9ZQ19_gv7B?gCguzqBqd

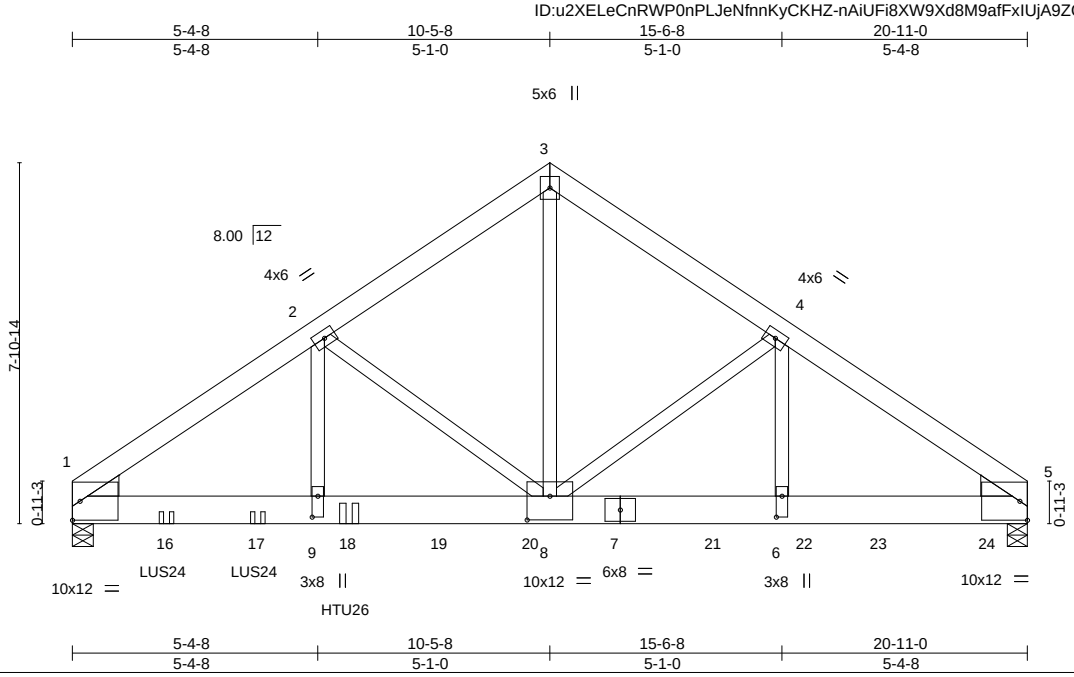

Plate Offsets (X,Y)-- [6:0-5-8,0-1-8], [8:0-6-0,0-6-4], [9:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.09	6-8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.16	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MS		Wind(LL)	0.06	6-8	>999	240	Weight: 497 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2
WEDGE
Left: 2x6 SP No.2, Right: 2x6 SP No.2

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

REACTIONS. (lb/size) 1=6052/0-5-8, 5=8137/0-5-4
Max Horz 1=198(LC 26)
Max Uplift 1=-425(LC 8), 5=-994(LC 9)
Max Grav 1=6708(LC 2), 5=9836(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10021/262, 2-3=-8611/147, 3-4=-8611/142, 4-5=-12199/992
BOT CHORD 1-9=-270/8177, 8-9=-270/8177, 6-8=-743/10010, 5-6=-743/10010
WEBS 3-8=-23/9053, 4-8=-3617/1133, 4-6=-1024/4158, 2-8=-1451/378, 2-9=-118/1623

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 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=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=425, 5=994.
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 2-0-12 from the left end to 4-0-12 to connect truss(es) to back face of bottom chord.
9) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent at 6-0-12 from the left end to connect truss(es) to back face of bottom chord.
10) Fill all nail holes where hanger is in contact with lumber.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1787 lb down and 352 lb up at 12-0-12, 1787 lb down and 352 lb up at 14-0-12, 1787 lb down and 352 lb up at 16-0-12, and 1787 lb down and 352 lb up at 17-8-4, and 1790 lb down and 349 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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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, 10-13=-20
   Concentrated Loads (lb)
   Vert: 7=-1383 16=-593(B) 17=-553(B) 18=-553(B) 19=-1948 20=-1948 21=-1383 22=-1383 23=-1383 24=-1386

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650861
1669955	B14	GABLE	2	1	Job Reference (optional)

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ID:u2XELeCnRWP0nPLJeNfnnKyCKHZ-GNGsT199HSfUmWkmDzTX0xjN?qSpjH7GPfQmCKzqBqc

-1-3-8 | 8-9-13 | 12-1-3 | 20-11-0 | 22-2-8
1-3-8 | 8-9-13 | 3-3-6 | 8-9-13 | 1-3-8

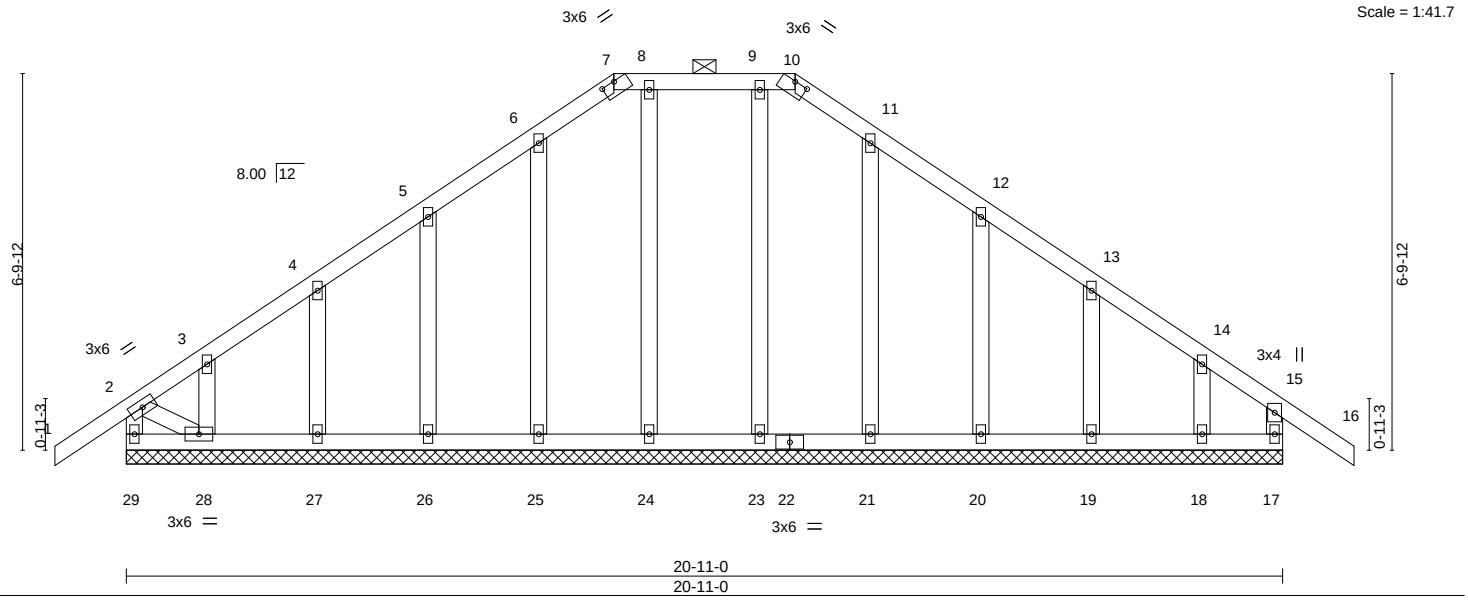

Plate Offsets (X,Y)-- [7:0-3-0,0-0-2], [10:0-3-0,0-0-2]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.01	16	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	-0.01	16	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	17	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 134 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
2-28: 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.): 7-10.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 20-11-0.
(lb) - Max Horz 29=-222(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 17, 24, 25, 26, 27, 23, 21, 20, 19 except 29=-122(LC 8), 28=-126(LC 12), 18=-119(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 29, 17, 24, 25, 26, 27, 28, 23, 21, 20, 19, 18

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 17, 24, 25, 26, 27, 23, 21, 20, 19 except (jt=lb) 29=122, 28=126, 18=119.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	C01	GABLE	6	1	E12650862
					Job Reference (optional)

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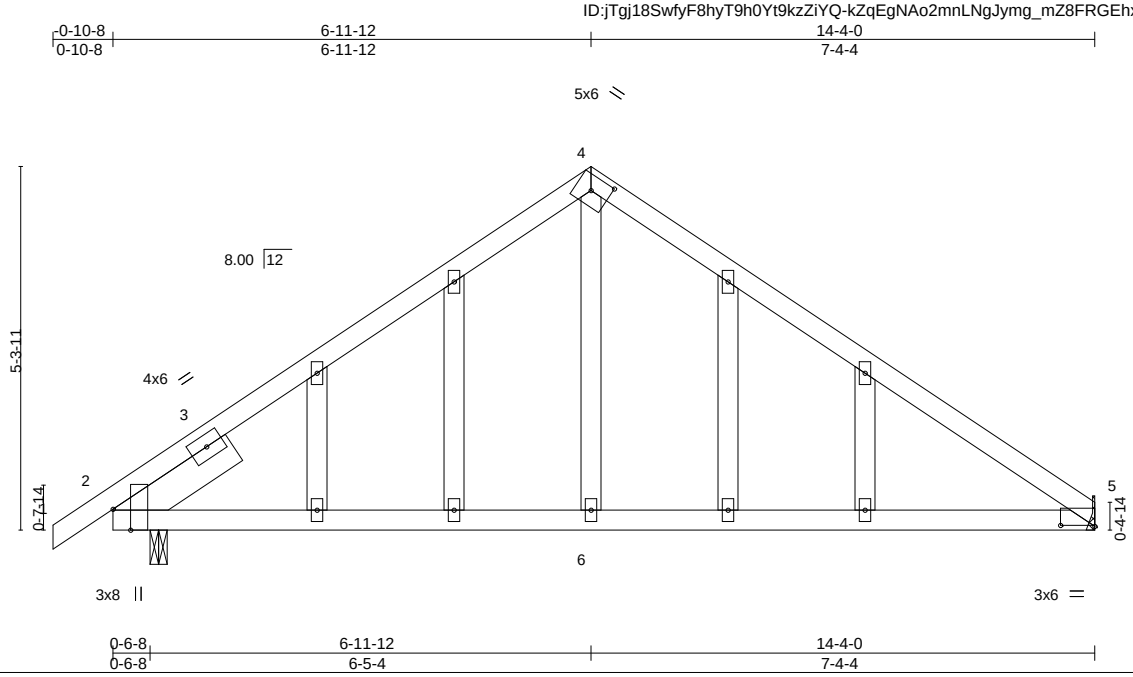

Plate Offsets (X,Y)-- [2:0-3-11,Edge], [4:0-3-4,0-2-8], [5:0-6-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	0.19	6-17	>889	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.19	6-17	>915	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 77 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 1-11-12

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

REACTIONS. (lb/size) 5=547/Mechanical, 2=652/0-3-0
Max Horz 2=147(LC 11)
Max Uplift 5=-94(LC 13), 2=-122(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-610/576, 4-5=-629/552
BOT CHORD 2-6=-343/434, 5-6=-343/434
WEBS 4-6=-371/298

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; 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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=122.
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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650863
1669955	C02	Common	18	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:56 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-kZqEgNAo2mnLNgJymg_mZ8FRGEhxSiGQeJ9JlmzqBqb

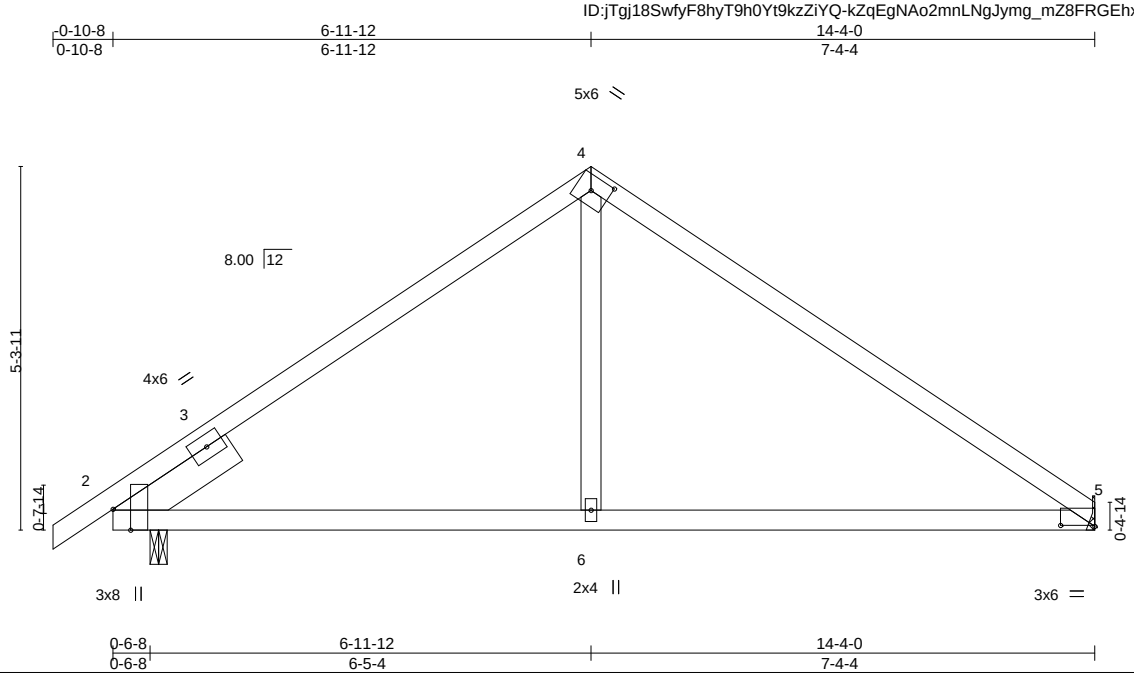

Plate Offsets (X,Y)-- [2:0-3-11,Edge], [4:0-3-4,0-2-8], [5:0-6-0,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	0.19	6-9	>889	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.19	6-9	>915	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	-0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS							Weight: 61 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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 5=547/Mechanical, 2=652/0-3-0
Max Horz 2=147(LC 11)
Max Uplift 5=-94(LC 13), 2=-122(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-610/576, 4-5=-629/552
BOT CHORD 2-6=-343/434, 5-6=-343/434
WEBS 4-6=-371/298

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; 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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=122.
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/Calabash/ E12650864
1669955	C03	GABLE	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:57 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-ClOcujBQp4vC?pt9KNV?5MohIe4sBAjZtzvsHDzqBqa

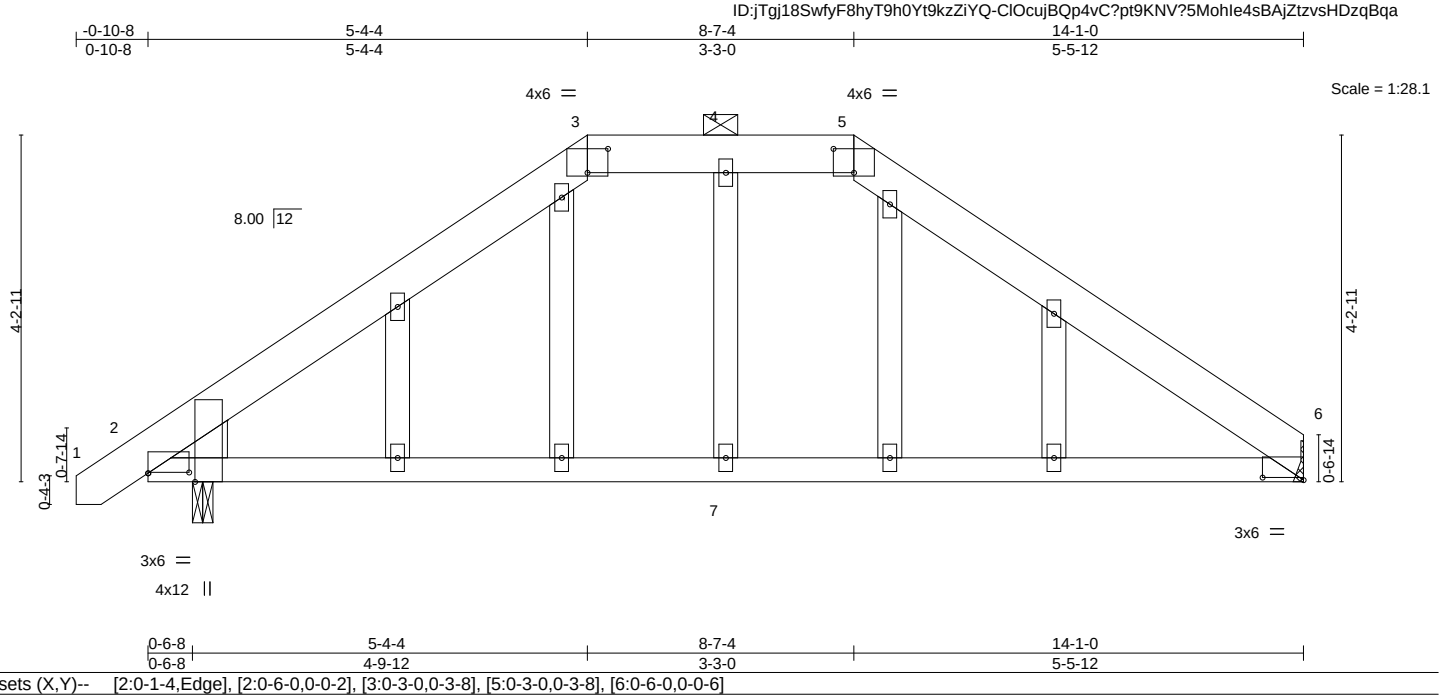

Plate Offsets (X,Y)-- [2:0-1-4,Edge], [2:0-6-0,0-0-2], [3:0-3-0,0-3-8], [5:0-3-0,0-3-8], [6:0-6-0,0-0-6]

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	0.22	Vert(LL)	0.10	7-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.35	Vert(CT)	-0.09	7-18	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-AS							Weight: 85 lb	FT = 20%

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

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

REACTIONS. (lb/size) 6=538/Mechanical, 2=632/0-3-0
Max Horz 2=113(LC 11)
Max Uplift 6=-141(LC 8), 2=-155(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-635/588, 3-4=-463/553, 4-5=-463/553, 5-6=-616/569
BOT CHORD 2-7=-393/463, 6-7=-393/463
WEBS 4-7=-305/260

NOTES- (13)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; 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 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) 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) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=141, 2=155.
11) 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.
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.

January 30,2019

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650865
1669955	D01	GABLE	1	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:58 2019 Page 1
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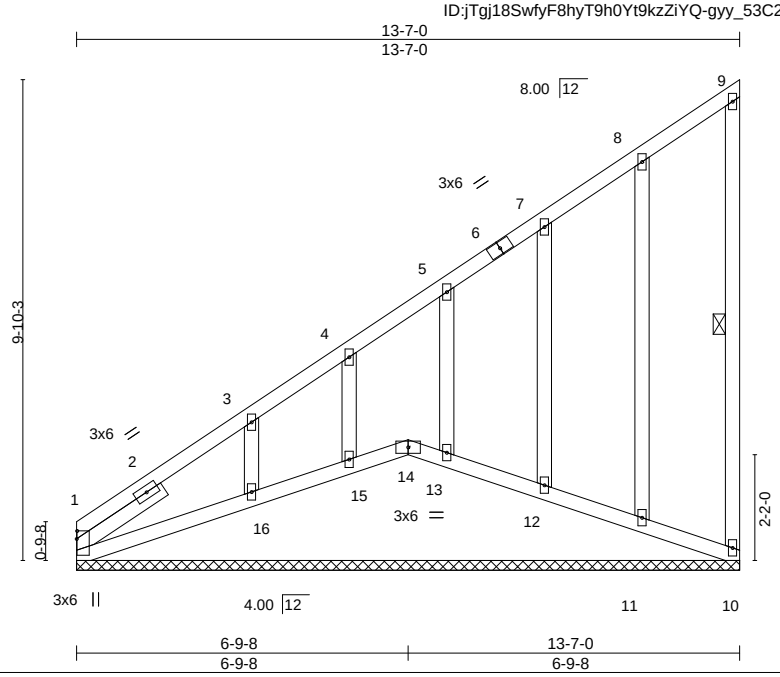

Plate Offsets (X,Y)-- [1:0-1-15,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.00	10	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
SLIDER	Left 2x4 SP No.3 2-2-6

BRACING-

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

REACTIONS. All bearings 13-7-0.
(lb) - Max Horz 1=422(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 10, 1, 11, 12, 13, 15 except 16=-257(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 10, 14, 11, 12, 13, 15 except 1=290(LC 12), 16=337(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-476/392, 3-4=-295/234, 4-5=-255/213
WEBS 3-16=-324/275

NOTES- (10)
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 10, 1, 11, 12, 13, 15 except (jt=lb) 16=257.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 14, 11, 12, 13, 15, 16.
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.

January 30,2019

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650866
1669955	D02	Monopitch	6	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:24:59 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-88WMJPCgLhAwE71XSoXTBnt_YRkbf?csKHOzL5zqBqY

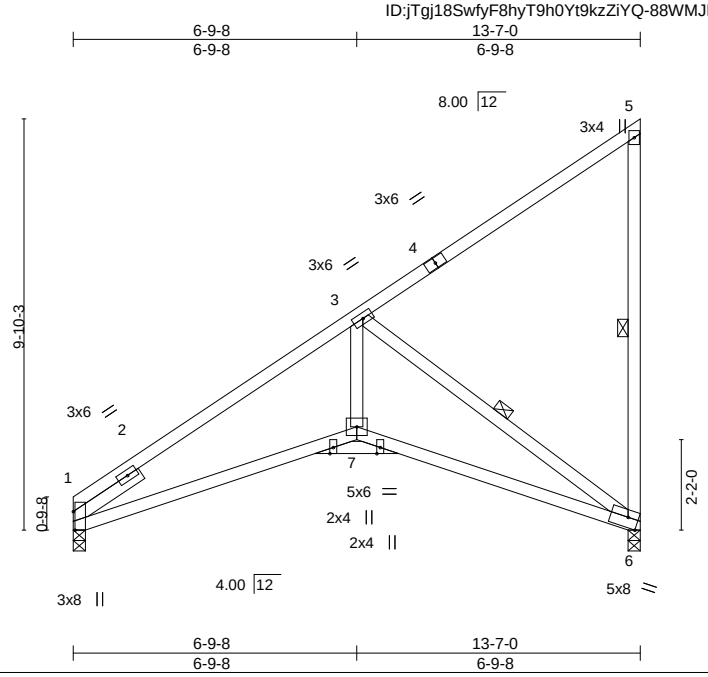

Plate Offsets (X,Y)-- [1:0-5-5,Edge], [6:0-3-0,Edge]

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	0.43	Vert(LL)	-0.07	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.15	6-7	>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		Wind(LL)	0.05	7-12	>999	240	Weight: 81 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 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 5-6, 3-6

REACTIONS. (lb/size) 1=537/0-3-8, 6=537/0-3-8
Max Horz 1=398(LC 12)
Max Uplift 6=-287(LC 12)
Max Grav 1=537(LC 1), 6=591(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-815/181
BOT CHORD 1-7=-475/957, 6-7=-469/957
WEBS 3-7=-219/728, 3-6=-1098/542

NOTES- (7)
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=287.
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.

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	FG01	FLAT GIRDER	18	2	E12650867 Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:00 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-cK4lWlDI5?InsHck?W2ij_QAmr3nOK40Zx7XuYzqBqX

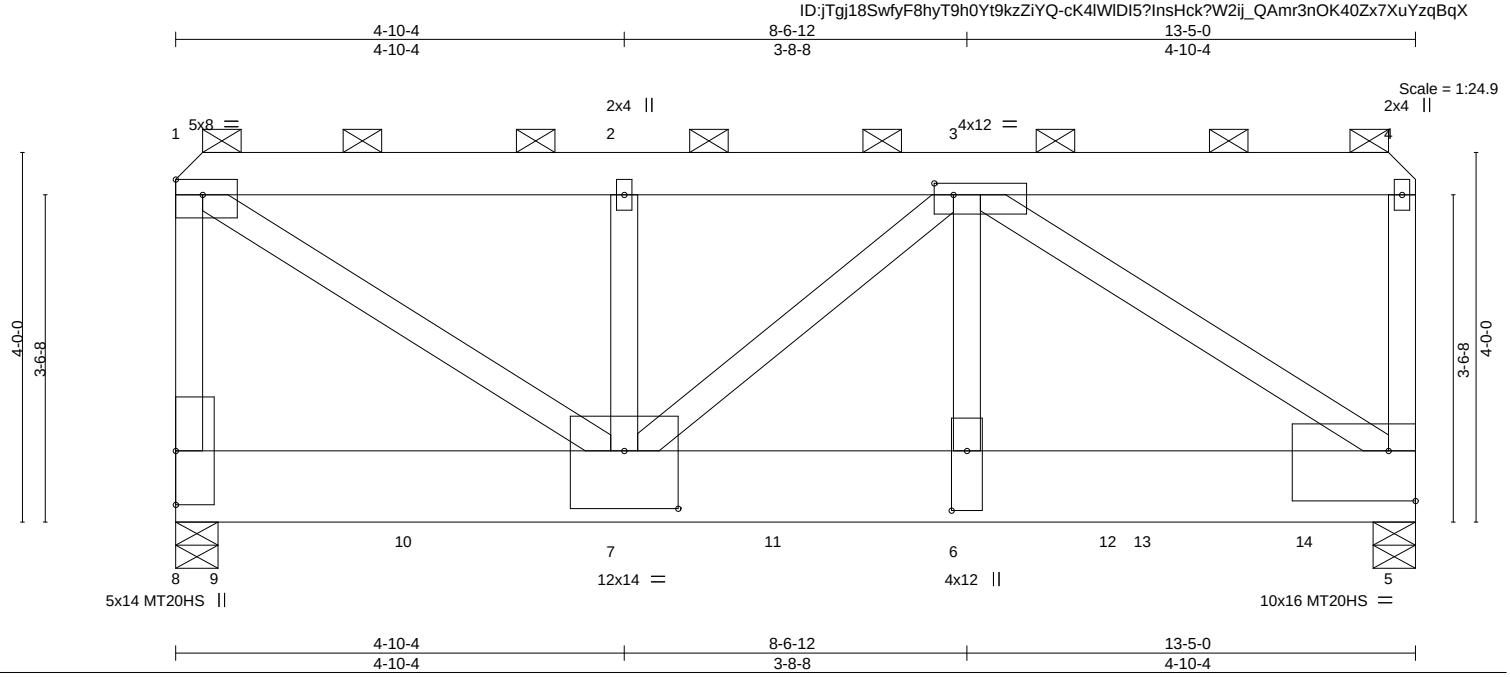

Plate Offsets (X,Y)-- [1:Edge,0-2-0], [3:0-2-8,0-1-8], [5:Edge,0-6-8], [6:0-7-12,0-2-0], [7:0-7-0,0-7-8]

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	0.34	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.46	Vert(CT)	-0.12	6-7	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.05	6-7	>999	240	Weight: 245 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.2 *Except*
1-7,3-5: 2x4 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (5-10-10 max.): 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=6571/0-5-8, 5=6998/0-5-8
Max Horz 8=-141(LC 4)
Max Uplift 8=-1271(LC 4), 5=-1225(LC 5)
Max Grav 8=7311(LC 2), 5=7895(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-5040/858, 1-2=-6849/1094, 2-3=-6849/1094
BOT CHORD 6-7=-1163/7239, 5-6=-1163/7239
WEBS 1-7=-1340/8342, 3-7=-528/66, 3-6=-676/5321, 3-5=-8807/1374

NOTES- (11)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
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) 8=1271, 5=1225.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1160 lb down and 122 lb up at 0-6-12, 446 lb down and 195 lb up at 0-6-12, 1155 lb down and 128 lb up at 2-6-12, 440 lb down and 201 lb up at 2-6-12, 1809 lb down and 130 lb up at 4-6-12, 440 lb down and 201 lb up at 4-6-12, 1809 lb down and 130 lb up at 6-6-12, 440 lb down and 201 lb up at 6-6-12, 1809 lb down and 130 lb up at 8-6-12, 440 lb down and 201 lb up at 8-6-12, 1809 lb down and 130 lb up at 10-2-4, 440 lb down and 201 lb up at 10-6-12, and 1809 lb down and 130 lb up at 12-3-12, and 443 lb down and 198 lb up at 12-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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.

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Continued on page 2

LOAD CASE(S) Standard

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Edenton, NC 27932

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 5-8=-20
   Concentrated Loads (lb)
   Vert: 7=-1934(F=-1552, B=-383) 6=-1934(F=-1552, B=-383) 9=-1428(F=-1040, B=-389) 10=-1416(F=-1034, B=-383) 11=-1934(F=-1552, B=-383) 12=-1552(F) 13=-383(B) 14=-1938(F=-1552, B=-386)

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	FG02	FLAT GIRDER	7	2	E12650868
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:01 2019 Page 1
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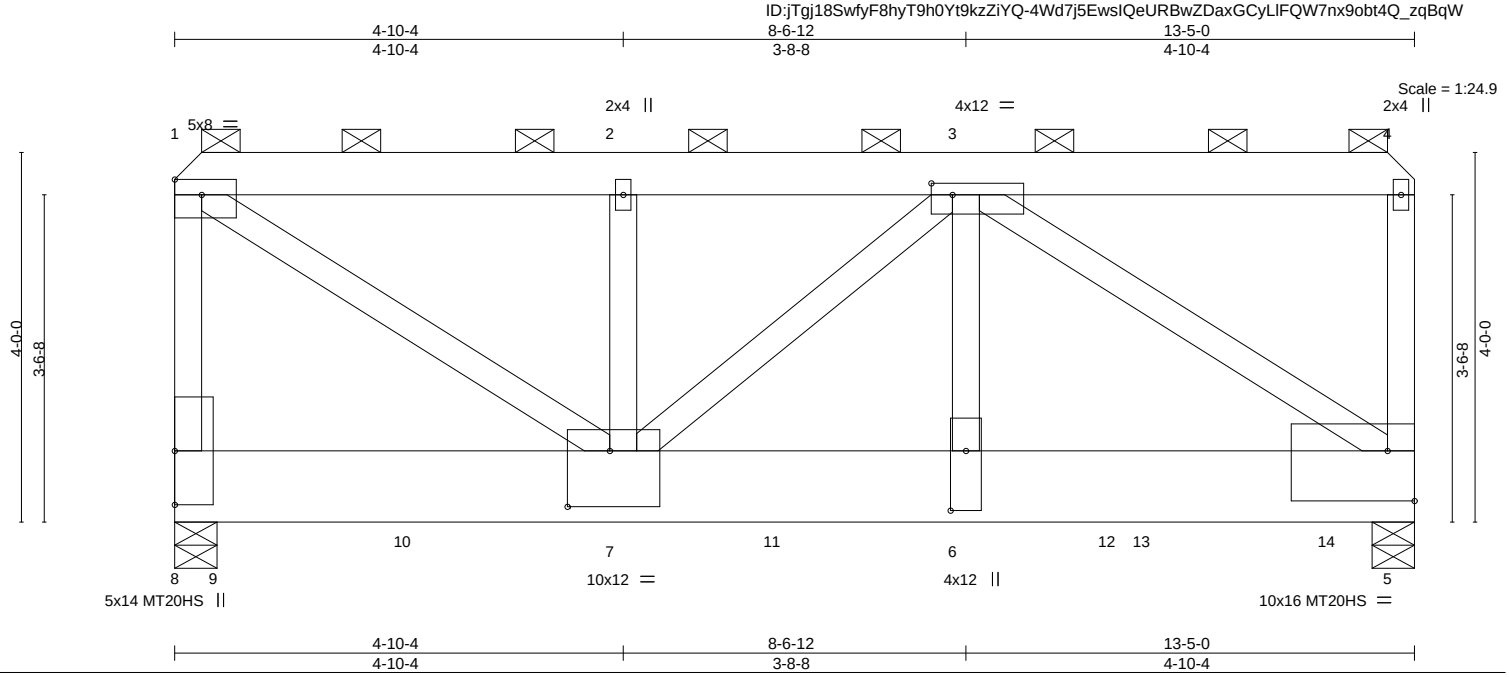

Plate Offsets (X,Y)-- [1:Edge,0-2-0], [3:0-2-12,0-1-8], [5:Edge,0-6-8], [6:0-7-12,0-2-0], [7:0-5-8,0-7-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.06	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.11	6-7	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-MS		Wind(LL)	0.05	6-7	>999	240	Weight: 245 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.2 *Except*
1-7,3-5: 2x4 SP No.1

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.): 1-4, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=6437/0-5-8, 5=6949/0-5-8
Max Horz 8=-141(LC 4)
Max Uplift 8=-1275(LC 4), 5=-1239(LC 5)
Max Grav 8=7106(LC 2), 5=7737(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-4880/858, 1-2=-6627/1094, 2-3=-6627/1094
BOT CHORD 6-7=-1152/6931, 5-6=-1152/6931
WEBS 1-7=-1340/8071, 3-7=-412/52, 3-6=-658/5020, 3-5=-8435/1361

NOTES- (11)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
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) 8=1275, 5=1239.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1151 lb down and 120 lb up at 0-6-12, 425 lb down and 200 lb up at 0-6-12, 1145 lb down and 126 lb up at 2-6-12, 419 lb down and 206 lb up at 2-6-12, 1769 lb down and 128 lb up at 4-6-12, 419 lb down and 206 lb up at 4-6-12, 1769 lb down and 128 lb up at 6-6-12, 419 lb down and 206 lb up at 6-6-12, 1769 lb down and 128 lb up at 8-6-12, 419 lb down and 206 lb up at 8-6-12, 1769 lb down and 128 lb up at 10-2-4, 419 lb down and 206 lb up at 10-6-12, and 1772 lb down and 125 lb up at 12-6-12, and 422 lb down and 203 lb up at 12-6-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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.

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LOAD CASE(S) Standard

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 5-8=-20
   Concentrated Loads (lb)
   Vert: 7=-1909(F=-1557, B=-352) 6=-1909(F=-1557, B=-352) 9=-1399(F=-1041, B=-357) 10=-1387(F=-1035, B=-352) 11=-1909(F=-1557, B=-352) 12=-1557(F) 13=-352(B) 14=-1915(F=-1560, B=-355)

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650869
1669955	G01	GABLE	1	1	Job Reference (optional)

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ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-1vlt8nFBOwgLjkLJhecPLd2mR3CpbuiSFvMBUszqBqU

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

Scale = 1:41.6

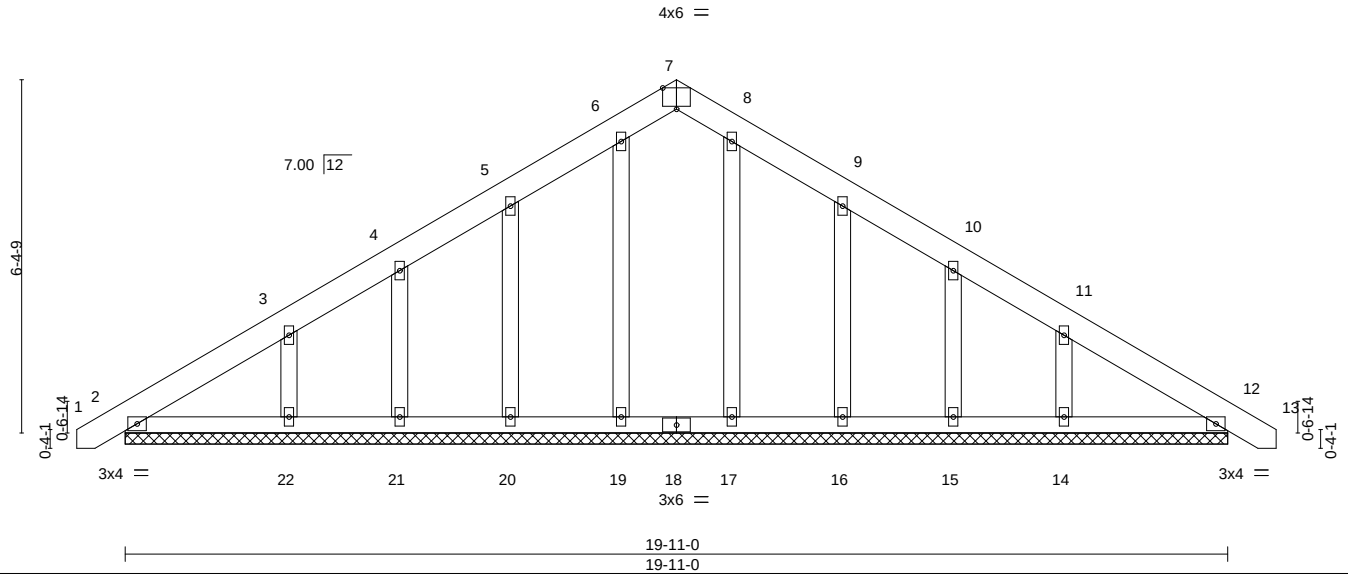

Plate Offsets (X,Y)-- [7:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.05	Vert(LL)	0.00	12	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	0.00	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 128 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=177(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 21, 16, 15 except 22=-111(LC 12), 14=-108(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 19, 20, 21, 17, 16, 15, 12 except 22=254(LC 19), 14=252(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, 19, 20, 21, 16, 15 except (jt=lb) 22=111, 14=108.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650870
1669955	G02	COMMON	5	1	Job Reference (optional)

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ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-1vlt8nFBOwgLjkLJhecPLd2eZ3?Bbt?SFvMBUszqBqU

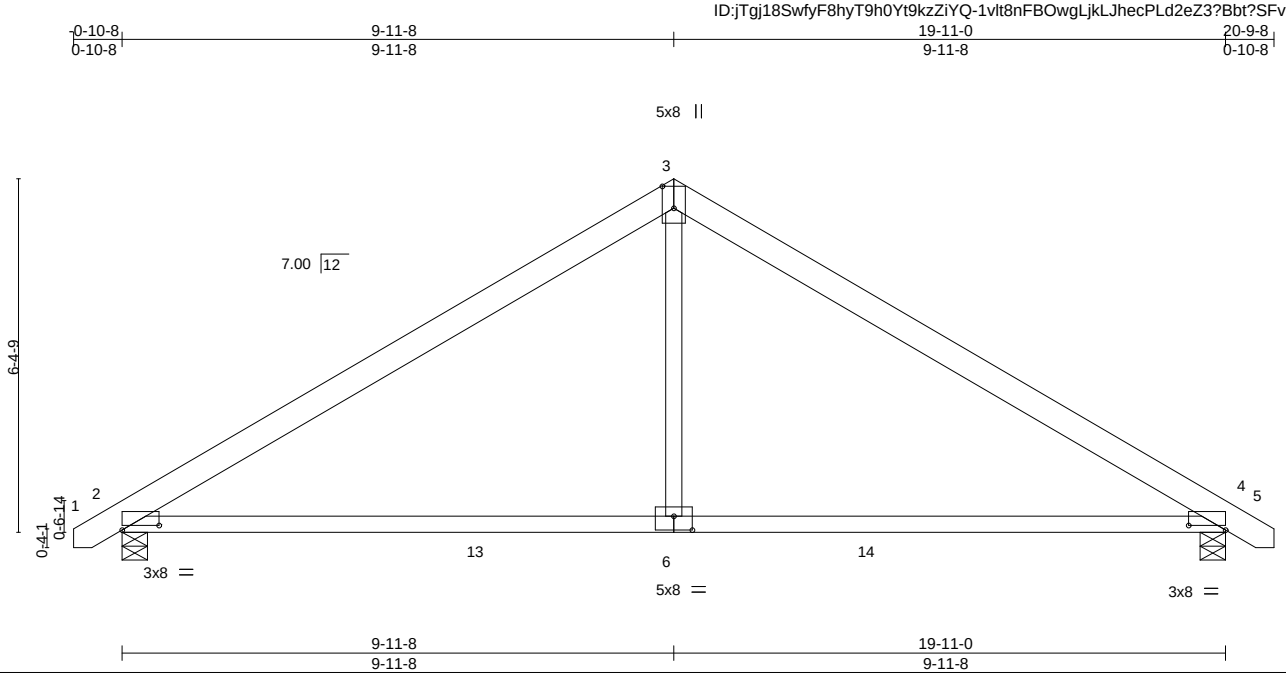

Plate Offsets (X,Y)-- [2:0-8-0,0-1-0], [3:0-4-12,0-2-8], [4:0-8-0,0-1-0], [6:0-4-0,0-3-0]

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	0.56	Vert(LL)	-0.13	6-12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.29	6-12	>837	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.12	6-9	>999	240	Weight: 97 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. (lb/size) 2=839/0-5-8, 4=839/0-5-8
Max Horz 2=-177(LC 10)
Max Uplift 2=-157(LC 12), 4=-157(LC 13)
Max Grav 2=891(LC 19), 4=891(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1105/251, 3-4=-1105/251
BOT CHORD 2-6=-71/928, 4-6=-71/928
WEBS 3-6=0/462

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=157, 4=157.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650871
1669955	G03	GABLE	3	1	Job Reference (optional)

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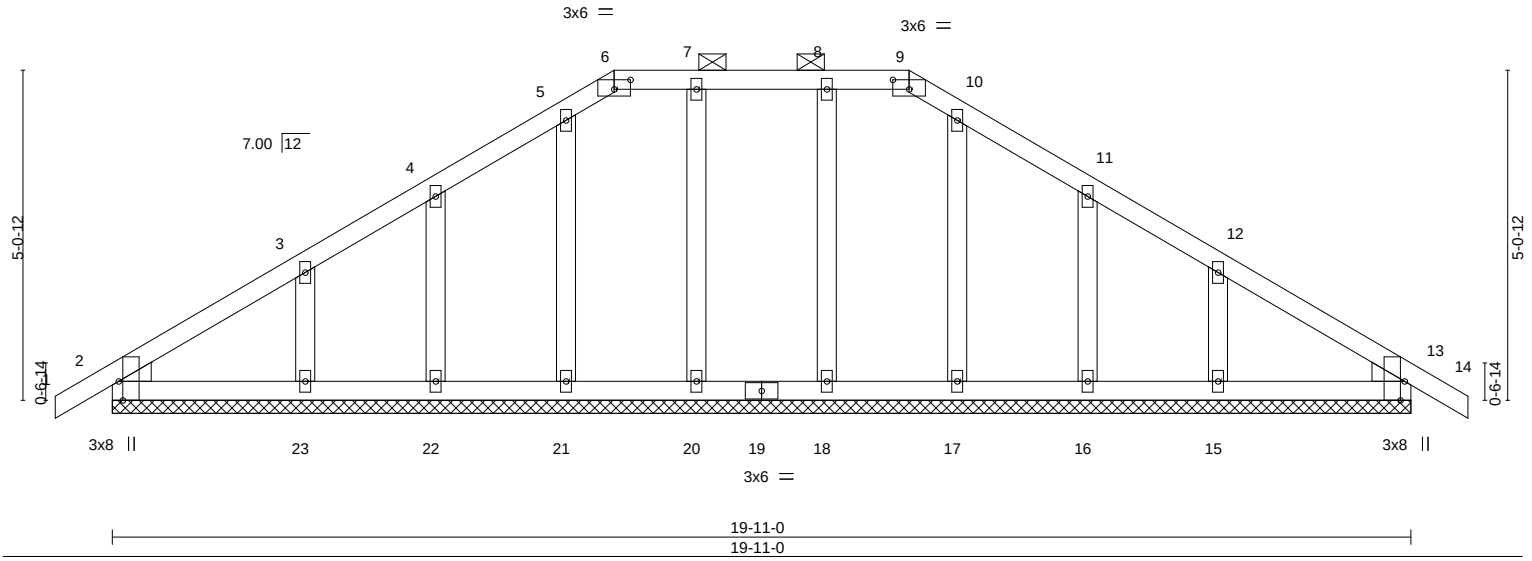
ID:BVNy530u5TE7jVOVl1NIPJzXRey-V5JFM6Gp9DoCLuwVEM7euqawbSY?KMAbUZ5k1JzqBqT

0-10-8 7-8-6 12-2-10 19-11-0 20-9-8
0-10-8 7-8-6 4-6-5 7-8-6 0-10-8

Scale = 1:35.3



19-11-0
19-11-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-0-11,0-5-3], [2:0-0-5,0-0-9], [6:0-3-0,0-1-12], [9:0-3-0,0-1-12], [13:0-0-5,0-0-9], [13:0-0-11,0-5-3], [13:0-3-8,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	0.09	Vert(LL)	0.00	14	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.06	Vert(CT)	0.00	14	n/r	120		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.05	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014	Matrix-S							Weight: 107 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.): 6-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-11-0.
(lb) - Max Horz 2=143(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 20, 21, 22, 18, 17, 16, 13 except 23=-114(LC 12), 15=-111(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 20, 21, 22, 18, 17, 16, 13 except 23=254(LC 19), 15=250(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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, 20, 21, 22, 18, 17, 16, 13 except (jt=lb) 23=114, 15=111.
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/Calabash/ E12650872
1669955	J01	ROOF SPECIAL GIRDER	18	1	Job Reference (optional)

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ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-zIteZSHRwXw3y2Vho3etQ2702si33pFliCrIZlzqBqS

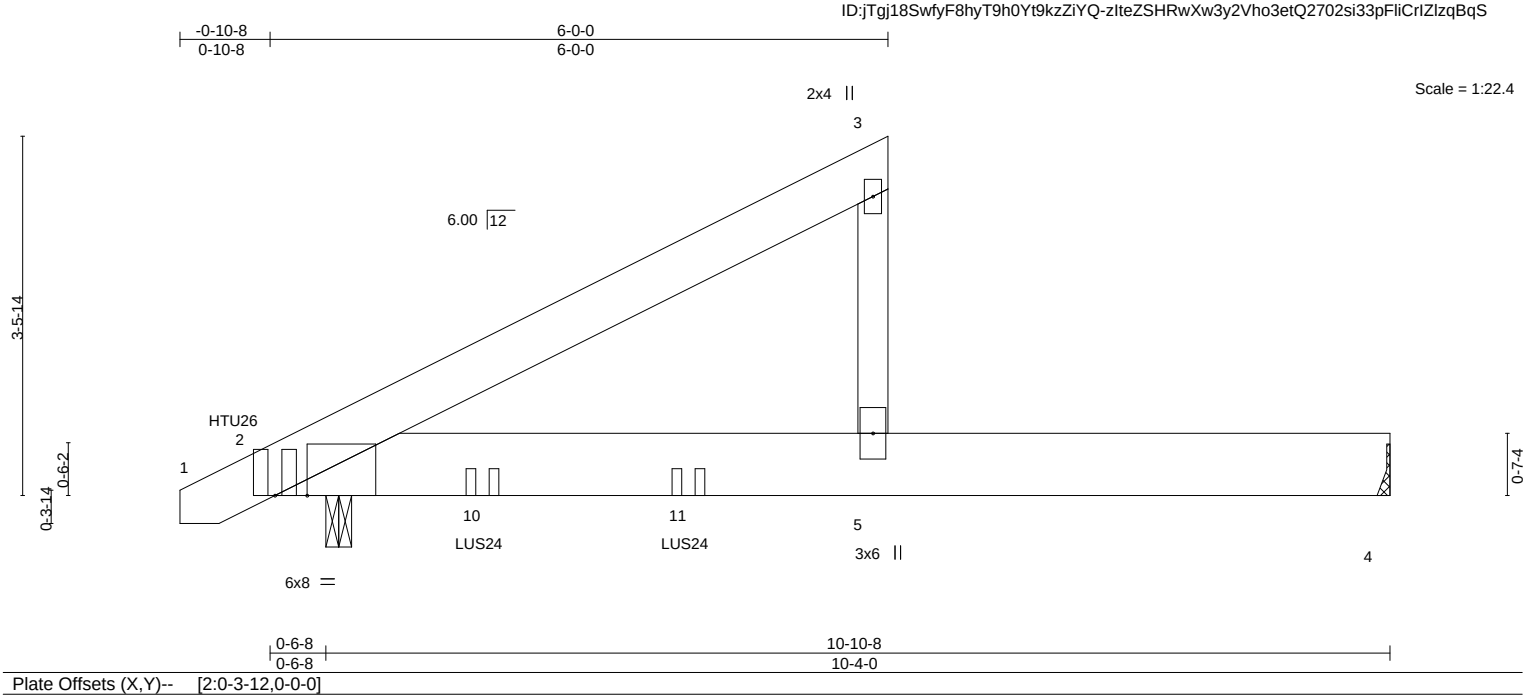

Plate Offsets (X,Y)-- [2:0-3-12,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.21	5	>624	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.39	5-9	>335	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-MP		Wind(LL)	0.17	5-9	>740	240	Weight: 55 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-15 oc bracing.

REACTIONS. (lb/size) 4=541/Mechanical, 2=1856/0-3-0
Max Horz 2=143(LC 8)
Max Uplift 4=-42(LC 8), 2=-349(LC 8)

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

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=349.
6) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) Use Simpson Strong-Tie HTU26 (20-10d Girder, 11-10dx1 1/2 Truss, Single Ply Girder) or equivalent at 0-0-9 from the left end to connect truss(es) to back face of 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 2-0-12 from the left end to 4-0-12 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
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, 2-5=-20, 4-5=-60
Concentrated Loads (lb)
Vert: 2=-537(B) 10=-527(B) 11=-527(B)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-50, 2-5=-20, 4-5=-50

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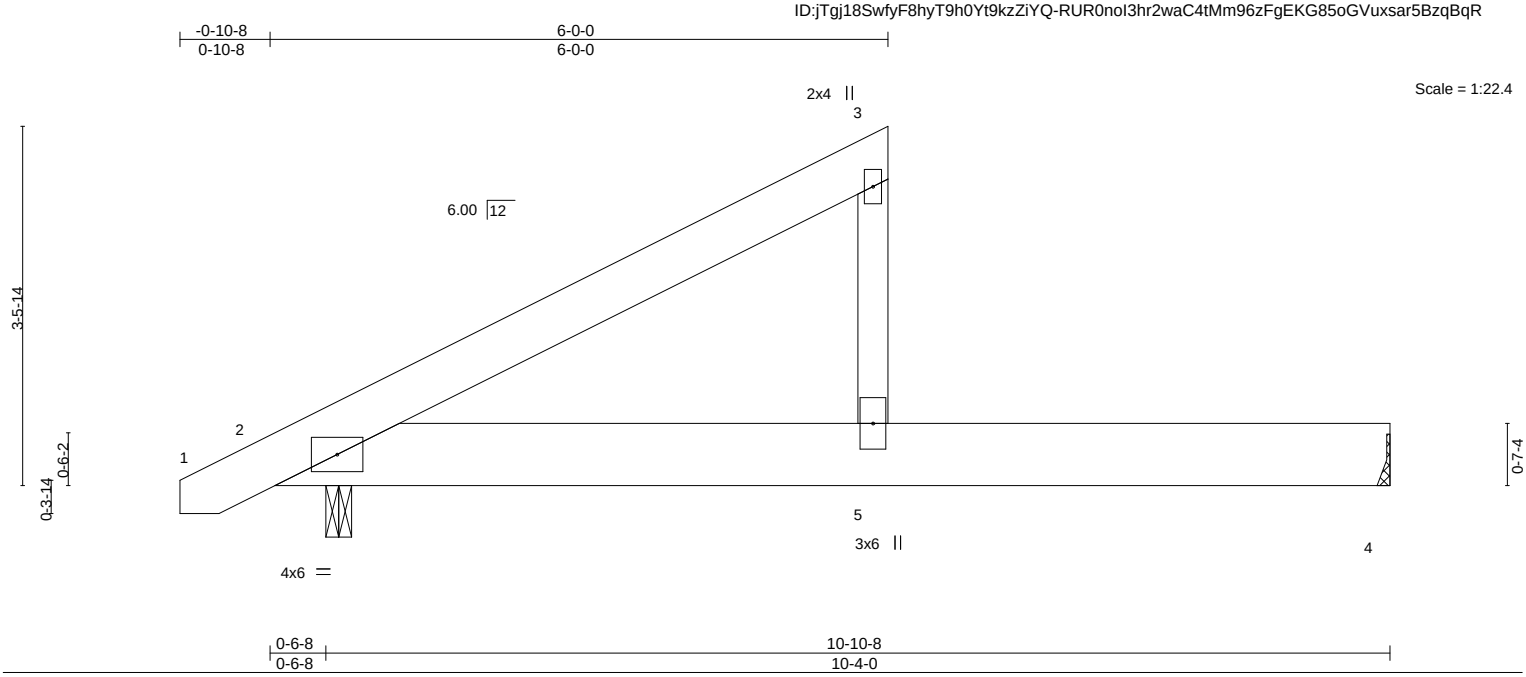
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 2=-469(B) 10=-459(B) 11=-459(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	J02	ROOF SPECIAL	36	1	E12650873 Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:06 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-RUR0noI3hr2waC4tMm96zFgEKG85oGVuxsar5BzqBqR



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.09	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	-0.16	5	>791	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.12	5	>999	240	Weight: 55 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 4=325/Mechanical, 2=481/0-3-0
Max Horz 2=143(LC 12)
Max Uplift 2=-80(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; 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 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) 2.
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.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 2-5=-20, 4-5=-60

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650874
1669955	J03	JACK-CLOSED	63	1	Job Reference (optional)

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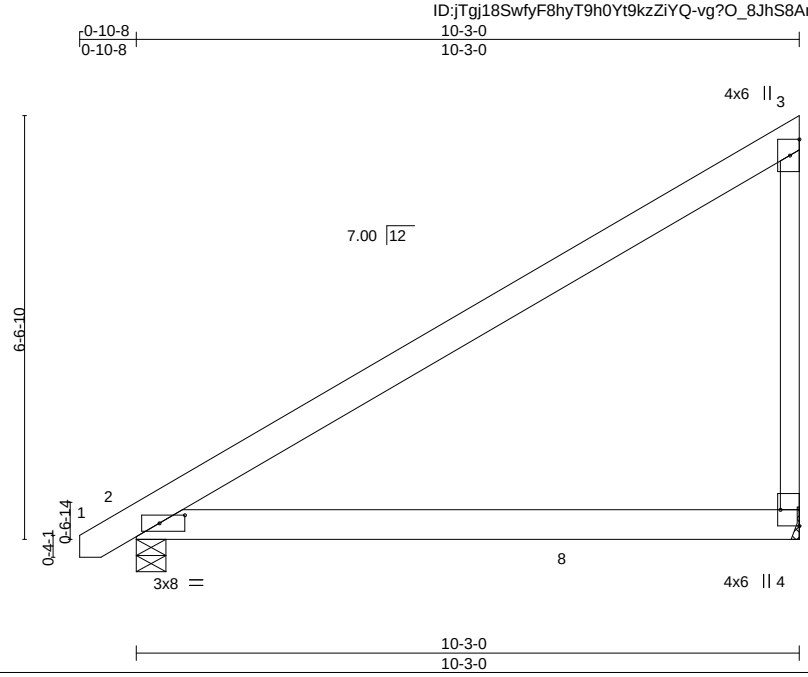

Plate Offsets (X,Y)-- [2:0-4-11,0-1-8], [4:Edge,0-3-8]

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	0.83	Vert(LL)	-0.09	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.22	4-7	>560	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		Wind(LL)	0.12	4-7	>973	240	Weight: 63 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 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.

REACTIONS. (lb/size) 4=403/Mechanical, 2=448/0-5-8
Max Horz 2=278(LC 12)
Max Uplift 4=-181(LC 12), 2=-44(LC 12)
Max Grav 4=519(LC 19), 2=452(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-305/201

NOTES- (7)
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 2 except (jt=lb) 4=181.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650875
1669955	J03A	Jack-Closed	63	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:08 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-NtZmBUJJDSlepWDGTBCa2glSq4qFGA_BPA3yA4zqBqP

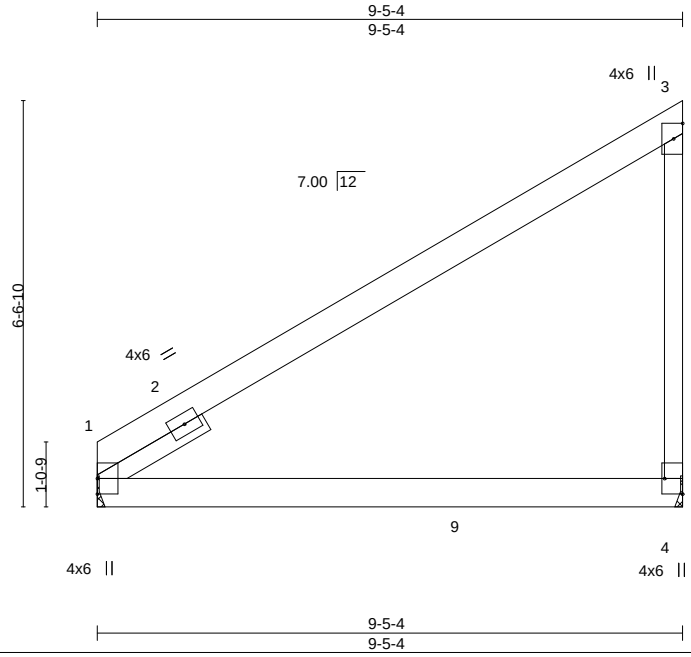

Plate Offsets (X,Y)-- [4:Edge,0-3-8]

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	0.71	Vert(LL)	-0.07	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.16	4-7	>710	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.03	1	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	4-7	>999	240	Weight: 59 lb	FT = 20%

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

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

REACTIONS. (lb/size) 1=372/Mechanical, 4=372/Mechanical
Max Horz 1=241(LC 12)
Max Uplift 1=-10(LC 12), 4=-179(LC 12)
Max Grav 1=377(LC 19), 4=487(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-310/103, 3-4=-288/196

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 1 except (jt=lb) 4=179.
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.

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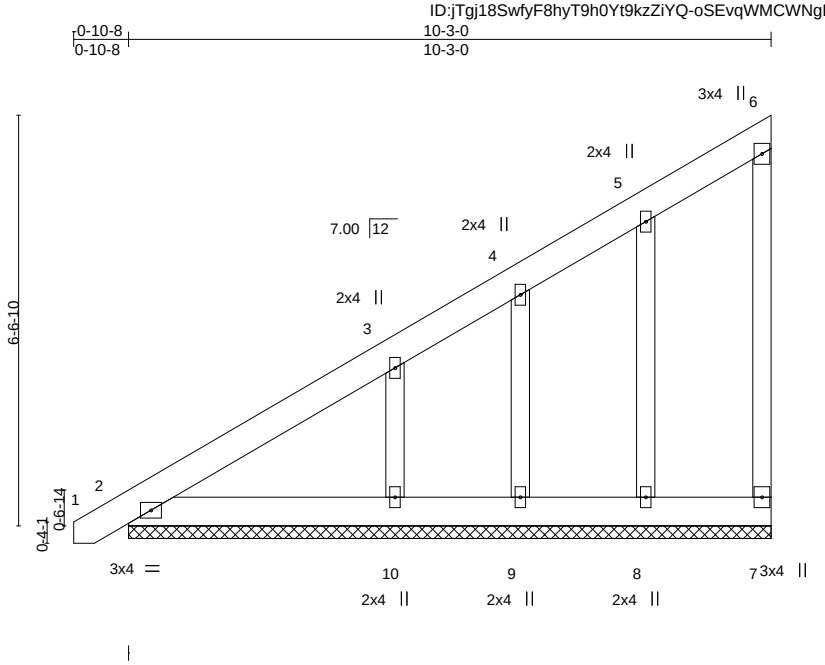
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650876
1669955	J04	GABLE	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:11 2019 Page 1

ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-oSEvqWMCWNgDhzyr9KlHgJN2qHwVTWVd58IcmPzqBqM



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 77 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 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 10-0-0 oc bracing.

REACTIONS. All bearings 10-3-0.
(lb) - Max Horz 2=265(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 8, 9 except 10=-152(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 7, 2, 8, 9 except 10=362(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-352/329
WEBS 3-10=-276/189

NOTES- (8)
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable 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) 7, 2, 8, 9 except (jt=lb) 10=152.
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/Calabash/ E12650877
1669955	J04A	GABLE	9	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:13 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-kqMfFBNS2_wxwH6EGlnllkSNF5bzxQ?wYSnjrHzqBqK

9-5-4
9-5-4

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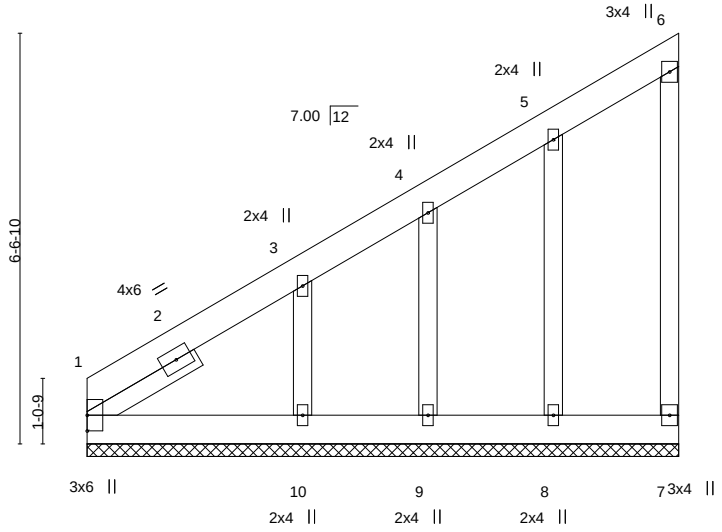

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 74 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 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 10-0-0 oc bracing.

REACTIONS. All bearings 9-5-4.
(lb) - Max Horz 1=259(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 8, 9 except 10=-169(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 8, 9 except 10=315(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-372/339
WEBS 3-10=-290/231

NOTES- (8)
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable 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) 1, 7, 8, 9 except (jt=lb) 10=169.
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/Calabash/ E12650878
1669955	J05	ROOF SPECIAL GIRDER	7	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:14 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-C1w1SXO4oI3oYRhQqSI_Hx?dpUosgmU3n6WGNkzqBqJ

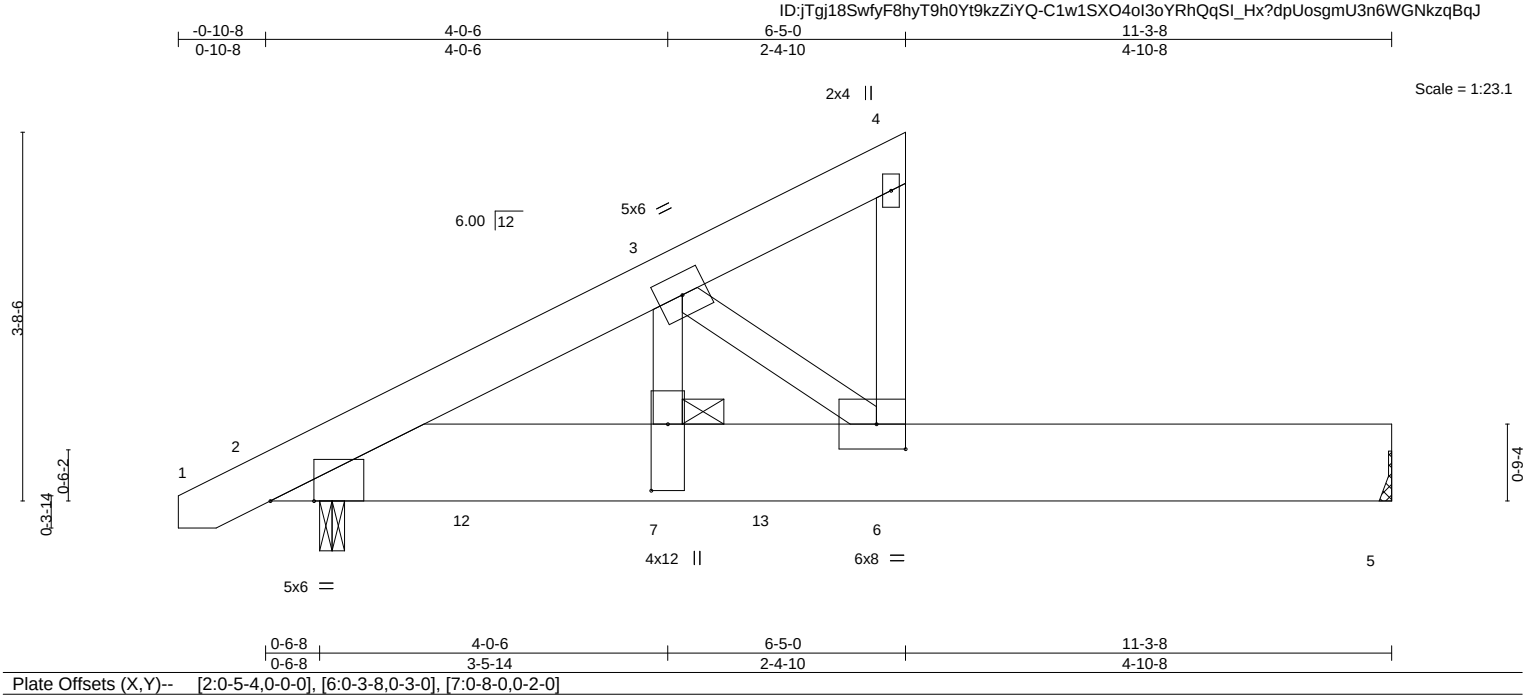

Plate Offsets (X,Y)-- [2:0-5-4,0-0-0], [6:0-3-8,0-3-0], [7:0-8-0,0-2-0]

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	0.11	Vert(LL)	-0.12	6	>999	360	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.67	Vert(CT)	-0.22	6	>610	240		
BCLL 0.0	*	Rep Stress Incr NO	WB	0.51	Horz(CT)	0.01	5	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-MP		Wind(LL)	0.10	6	>999	240	Weight: 73 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x10 SP DSS
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-7 oc bracing.
JOINTS 1 Brace at Jt(s): 7

REACTIONS. (lb/size) 5=767/Mechanical, 2=2191/0-3-0
Max Horz 2=152(LC 8)
Max Uplift 5=-89(LC 8), 2=-417(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1859/330
BOT CHORD 2-7=-367/1628, 6-7=-367/1628
WEBS 3-6=-2118/477, 3-7=-383/2085

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone; cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=417.
6) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 537 lb down and 104 lb up at 0-0-9, 527 lb down and 114 lb up at 2-0-12, and 527 lb down and 114 lb up at 4-0-12, and 527 lb down and 114 lb up at 5-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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: 1-4=-60, 2-6=-20, 5-6=-60
Concentrated Loads (lb)
Vert: 7=-527(B) 2=-537(B) 12=-527(B) 13=-527(B)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-50, 2-6=-20, 5-6=-50

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=-459(B) 2=-469(B) 12=-459(B) 13=-459(B)

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650879
1669955	J06	ROOF SPECIAL	14	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:16 2019 Page 1
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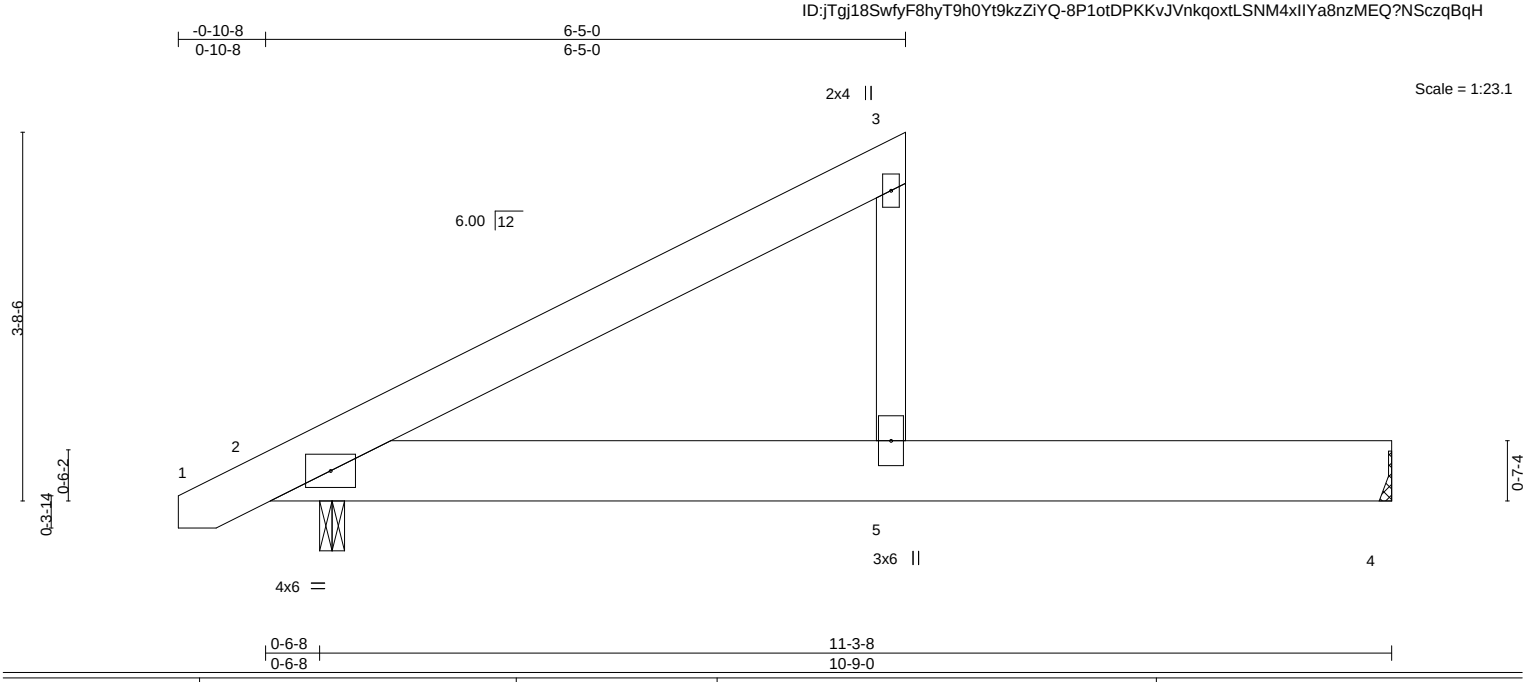

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.11	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.19	5	>700	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.15	5-9	>917	240	Weight: 58 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP DSS
WEBS 2x4 SP No.3

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

REACTIONS. (lb/size) 4=341/Mechanical, 2=498/0-3-0
Max Horz 2=152(LC 12)
Max Uplift 4=-3(LC 12), 2=-84(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; 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 exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
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.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 2-5=-20, 4-5=-60

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650880
1669955	J13	JACK-CLOSED	21	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:20 2019 Page 1
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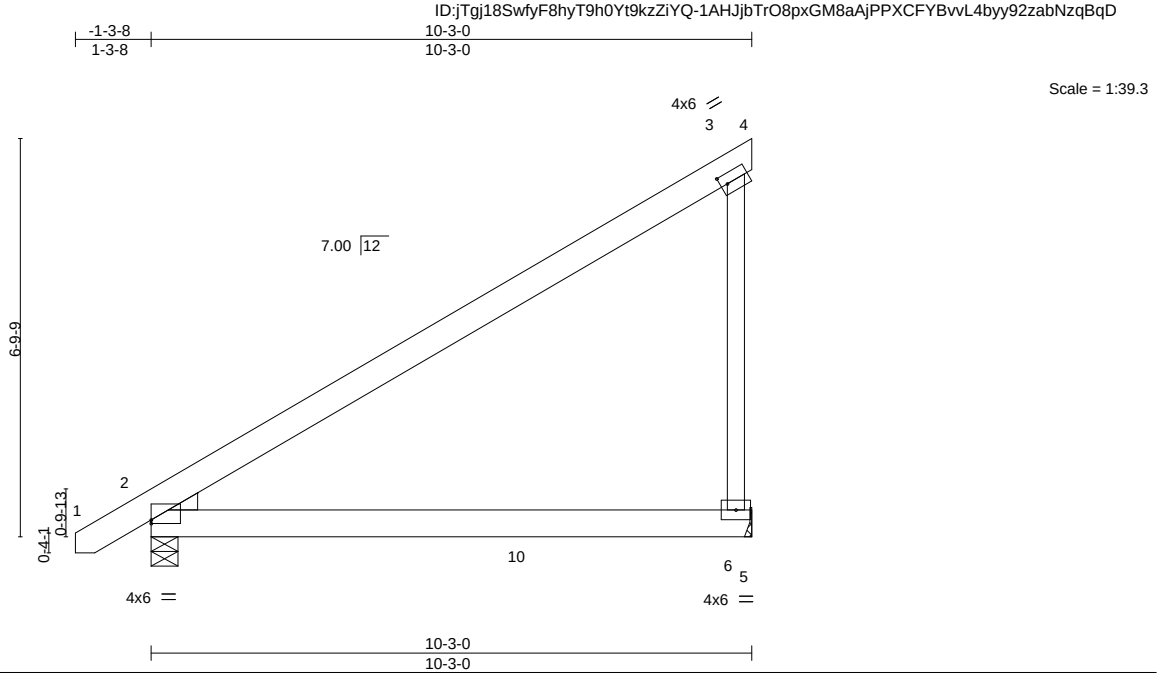

Plate Offsets (X,Y)-- [2:0-0-0,0-0-12], [3:0-1-6,0-2-0]

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	0.56	Vert(LL)	-0.08	6-9	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.20	6-9	>608	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.11	6-9	>999	240	Weight: 65 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.3

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

REACTIONS. (lb/size) 6=406/Mechanical, 2=470/0-5-8
Max Horz 2=290(LC 12)
Max Uplift 6=-192(LC 12), 2=-45(LC 12)
Max Grav 6=532(LC 19), 2=474(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-321/217

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 2 except (jt=lb) 6=192.
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.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650881
1669955	J13A	JACK-CLOSED	28	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:21 2019 Page 1
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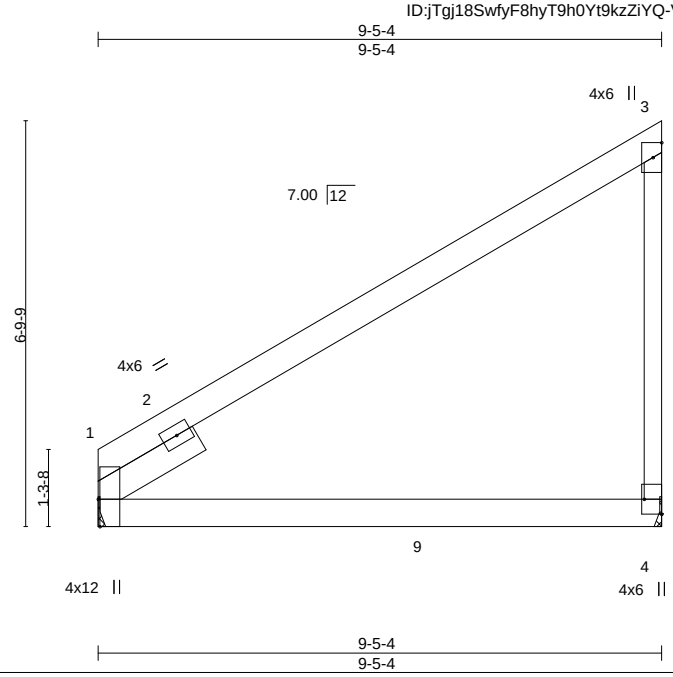

Plate Offsets (X,Y)-- [1:0-5-8,Edge], [4:Edge,0-3-8]

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	0.72	Vert(LL)	-0.07	4-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.16	4-7	>689	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.05	1	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-AS		Wind(LL)	0.10	4-7	>999	240	Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 1=372/Mechanical, 4=372/Mechanical
Max Horz 1=241(LC 12)
Max Uplift 1=-4(LC 12), 4=-186(LC 12)
Max Grav 1=380(LC 19), 4=496(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-322/106, 3-4=-292/201

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 1 except (jt=lb) 4=186.
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.

January 30,2019

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818 Soundside Road
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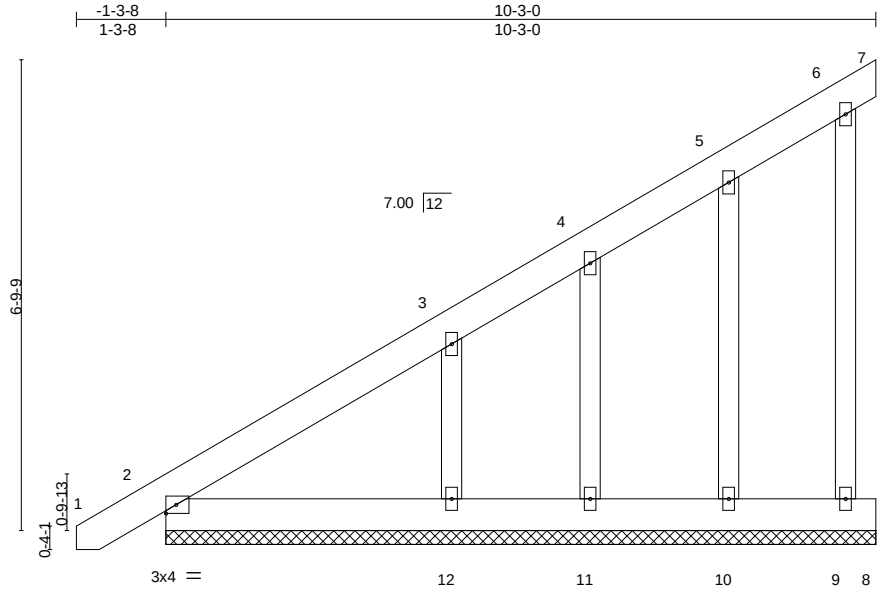
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650882
1669955	J14	MONOPITCH SUPPORTED	3	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:22 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-zZP37GU5wl3fVfIyI8StcdK?xjhLYUSFdMShfGzqBqB



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 79 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 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 10-0-0 oc bracing.

REACTIONS. All bearings 10-3-0.
(lb) - Max Horz 2=293(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 7, 9, 8, 10, 11 except 12=-161(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 7, 9, 2, 10, 11 except 12=344(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-281/246
WEBS 3-12=-286/197

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 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) 7, 9, 8, 10, 11 except (jt=lb) 12=161.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

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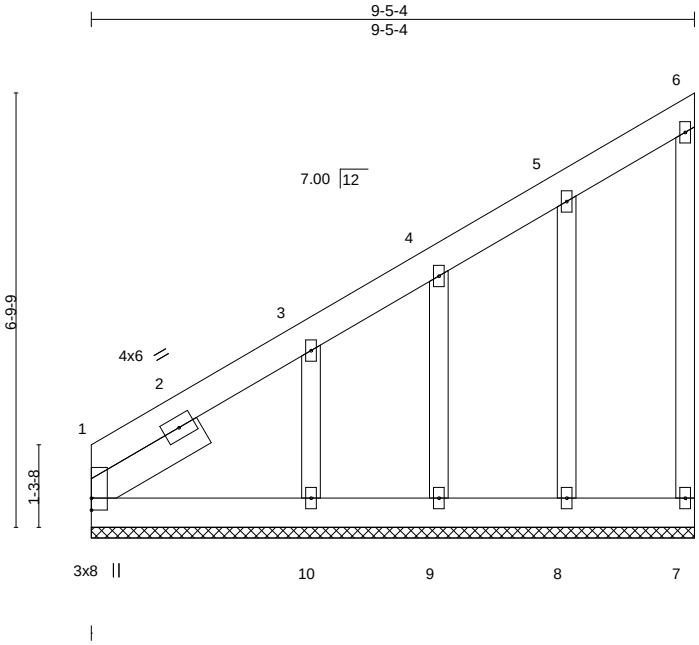
Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	J14A	GABLE	4	1	E12650883
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:23 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-RlzRLcVjh3BW7pt9srz69rt9B71rHxbOr0CFCizqBqA



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-0-11

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 9-5-4.
(lb) - Max Horz 1=276(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 7, 8, 9 except 10=-214(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 8, 9 except 10=315(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-287/237
WEBS 3-10=-291/239

NOTES-
1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) 7, 8, 9 except (jt=lb) 10=214.

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650884
1669955	PB01	GABLE	36	1	Job Reference (optional)

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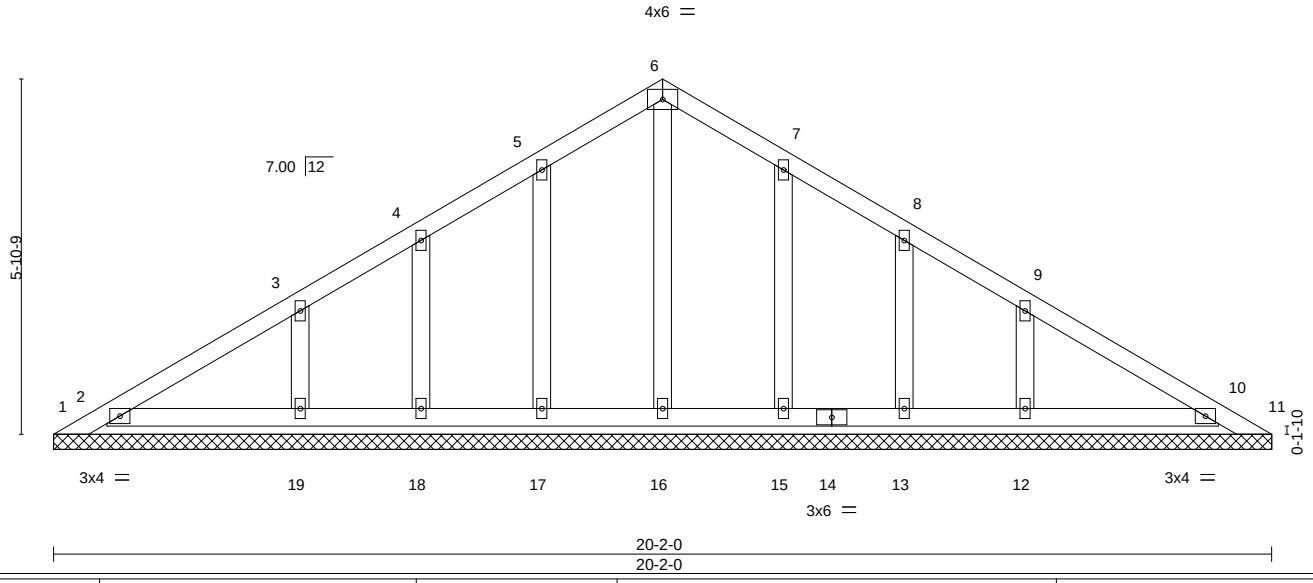
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-N84CmIW_DgREM70XzG?aEGyWrwhrlr9hJKhLGbzqBq8

10-1-0 | 20-2-0
10-1-0 | 10-1-0

Scale = 1:38.1



20-2-0
20-2-0

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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	10	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
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 20-2-0.
(lb) - Max Horz 1=-162(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 11, 2, 17, 10, 18, 15, 13, 12 except 1=-128(LC 19), 19=-100(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 11, 16, 17, 10, 18, 19, 15, 13, 12 except 2=271(LC 19)

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

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 11, 2, 17, 10, 18, 15, 13, 12 except (jt=lb) 1=128, 19=100.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
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.

January 30,2019

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650885
1669955	PB02	GABLE	535	1	Job Reference (optional)

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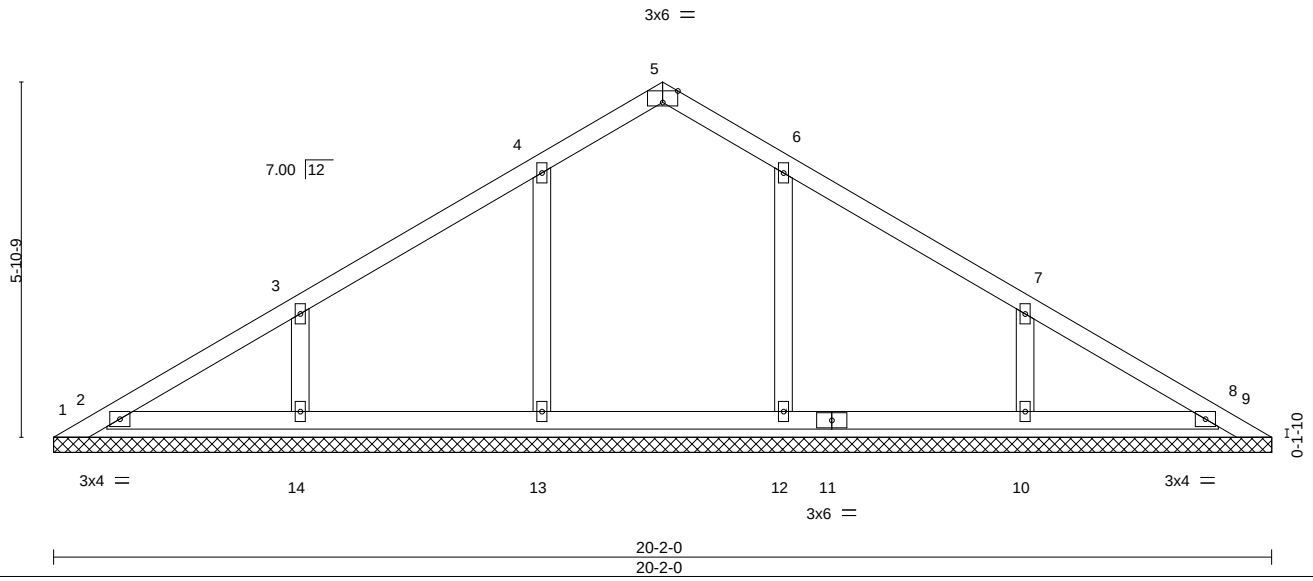
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-KXCyB_YEIlhxbRAw5h12Jh1rmkM5DlO_meASLTzqBq6

10-1-0 | 20-2-0
10-1-0 | 10-1-0

Scale = 1:38.1



20-2-0
20-2-0

Plate Offsets (X,Y)-- [5:0-3-0,Edge], [6:0-0-0,0-0-0], [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	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 79 lb	FT = 20%

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

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-162(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 9, 2 except 1=-106(LC 10), 13=-106(LC 12), 14=-145(LC 12), 12=-101(LC 13), 10=-147(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 8 except 2=255(LC 19), 13=384(LC 19), 14=322(LC 19), 12=379(LC 20), 10=323(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-14=-263/190, 7-10=-263/191

NOTES- (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2 except (jt=lb) 1=106, 13=106, 14=145, 12=101, 10=147.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
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.

January 30,2019

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650886
1669955	PB03	GABLE	5	1	Job Reference (optional)

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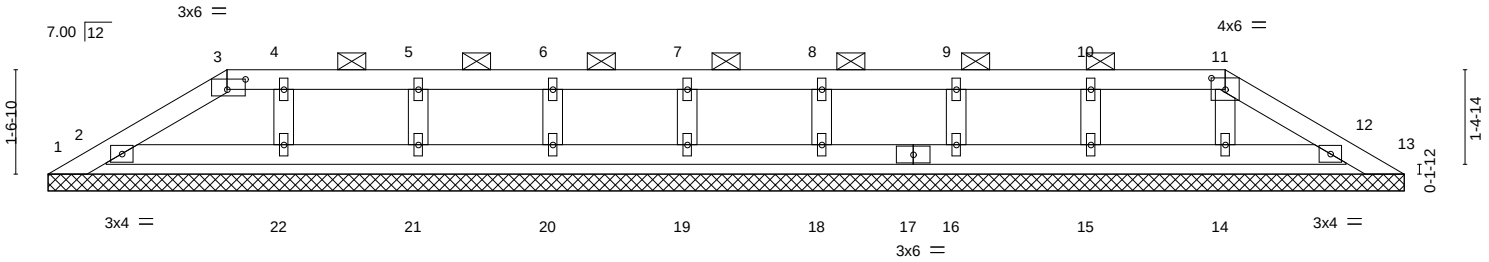
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-HfjyEnqyLAUzHl7QdS8HPOAZCDRlfaKkk5ynP6zqBdc

14-10-2 / 14-10-2 — 17-6-1 / 2-7-15

Scale = 1:34.3



0-10-6 / 0-10-6 — 19-3-10 / 18-5-4 — 20-2-0 / 0-10-6

Plate Offsets (X,Y)-- [3:0-3-4,0-1-13], [11:0-2-8,0-2-1]

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	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 68 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-11.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=-29/20-2-0, 13=-4/20-2-0, 2=188/20-2-0, 14=132/20-2-0, 15=167/20-2-0, 16=158/20-2-0, 18=161/20-2-0, 19=159/20-2-0, 20=163/20-2-0, 21=148/20-2-0, 22=189/20-2-0, 12=137/20-2-0
Max Horz 1=-40(LC 8)
Max Uplift 1=-47(LC 19), 13=-7(LC 20), 2=-74(LC 12), 14=-19(LC 8), 15=-48(LC 9), 16=-40(LC 8), 18=-41(LC 9), 19=-41(LC 8), 20=-41(LC 9), 21=-50(LC 8), 22=-39(LC 9), 12=-50(LC 13)
Max Grav 1=31(LC 12), 13=10(LC 13), 2=204(LC 19), 14=140(LC 24), 15=170(LC 23), 16=158(LC 1), 18=161(LC 23), 19=160(LC 24), 20=163(LC 23), 21=155(LC 24), 22=189(LC 23), 12=140(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-48/67, 2-3=-68/32, 3-4=-46/42, 4-5=-46/42, 5-6=-46/42, 6-7=-46/42, 7-8=-46/42, 8-9=-46/42, 9-10=-46/42, 10-11=-46/42, 11-12=-59/29, 12-13=-4/23
BOT CHORD	2-22=-13/36, 21-22=-13/36, 20-21=-13/36, 19-20=-13/36, 18-19=-13/36, 17-18=-13/36, 16-17=-13/36, 15-16=-13/36, 14-15=-13/36, 12-14=-13/36
WEBS	11-14=-97/43, 10-15=-130/72, 9-16=-118/66, 8-18=-121/67, 7-19=-120/67, 6-20=-122/68, 5-21=-119/72, 4-22=-135/68

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 1.5x4 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 47 lb uplift at joint 1, 7 lb uplift at joint 13, 74 lb uplift at joint 2, 19 lb uplift at joint 14, 48 lb uplift at joint 15, 40 lb uplift at joint 16, 41 lb uplift at joint 18, 41 lb uplift at joint 19, 41 lb uplift at joint 20, 50 lb uplift at joint 21, 39 lb uplift at joint 22 and 50 lb uplift at joint 12.
11) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

Continued on page 2

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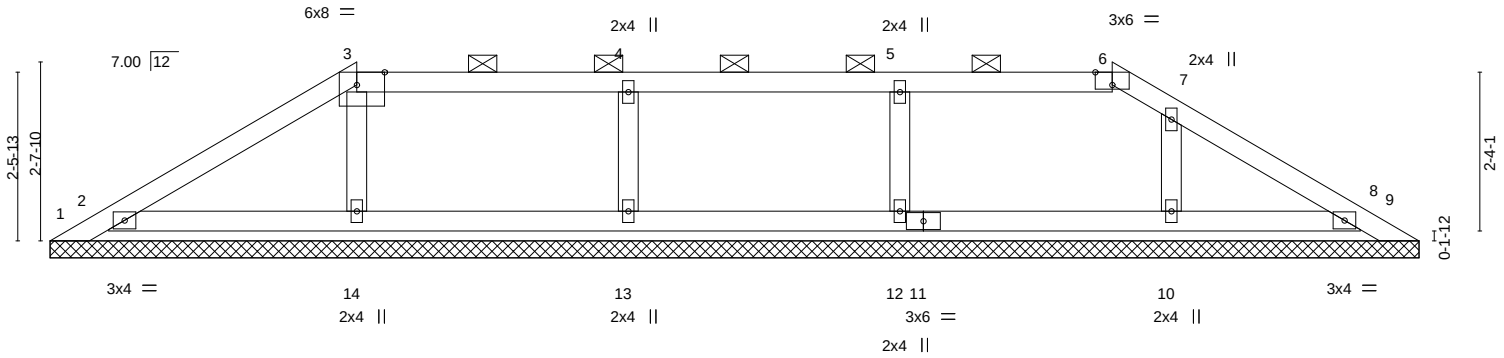
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650887
1669955	PB04	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:32 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-gU?rEhcNZqKEiC3ttEdD0klgkl4ju14jwvtD0hzqBq1

4-6-3 | 15-7-12 | 20-2-0
4-6-3 | 11-1-9 | 4-6-3

Scale = 1:33.9



20-2-0
20-2-0

Plate Offsets (X,Y)-- [3:0-4-15,Edge], [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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	-0.00	8	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%

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

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-69(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 9, 14, 13, 12, 10, 8 except 1=-149(LC 19), 2=-157(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 8 except 2=356(LC 19), 14=262(LC 1), 13=340(LC 24), 12=320(LC 23), 10=257(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-13=-261/145

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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) 9, 14, 13, 12, 10, 8 except (jt=lb) 1=149, 2=157.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

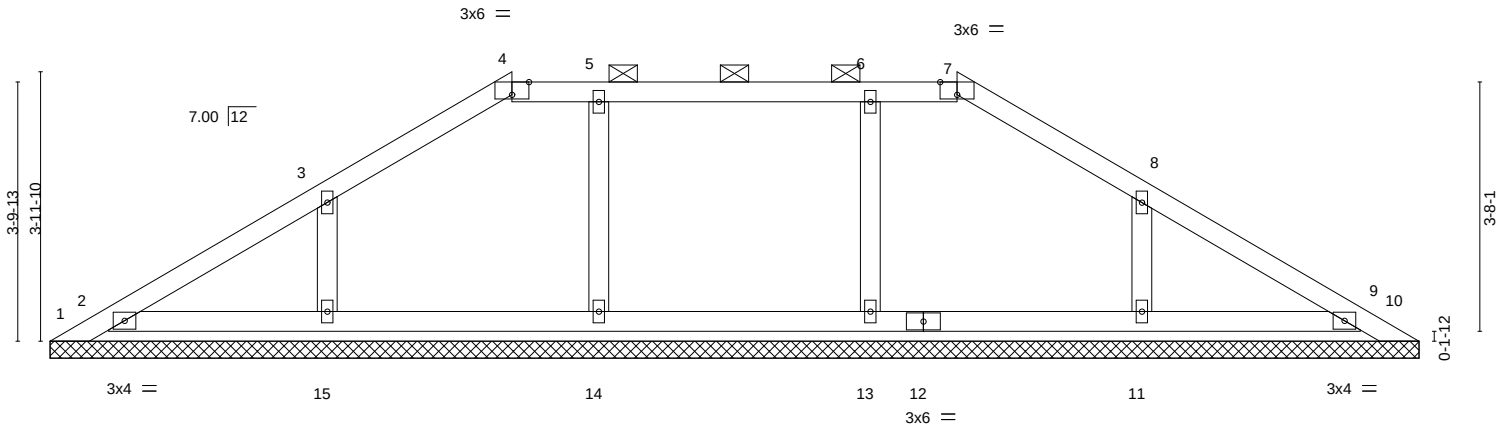
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650888
1669955	PB05	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:34 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-dt7bfNdd5RayxVDG?ffh59q1ZYmDMvO0NDMK4ZzqBq?

6-9-10 13-4-5 20-2-0
6-9-10 6-6-11 6-9-10

Scale = 1:33.9



20-2-0
20-2-0

Plate Offsets (X,Y)-- [4:0-3-0,Edge], [7:0-3-0,Edge], [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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	9	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
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=106(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 2, 14, 13, 9 except 15=-114(LC 12), 11=-111(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 2=284(LC 19), 14=318(LC 23), 15=308(LC 19), 13=318(LC 24), 9=260(LC 1), 11=304(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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) 1, 10, 2, 14, 13, 9 except (jt=lb) 15=114, 11=111.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	PB06	GABLE	5	1	E12650889
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:35 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-53hzsjeFslipZfnSZMBweNNCoy5z5MP9ct6td0zqBq_

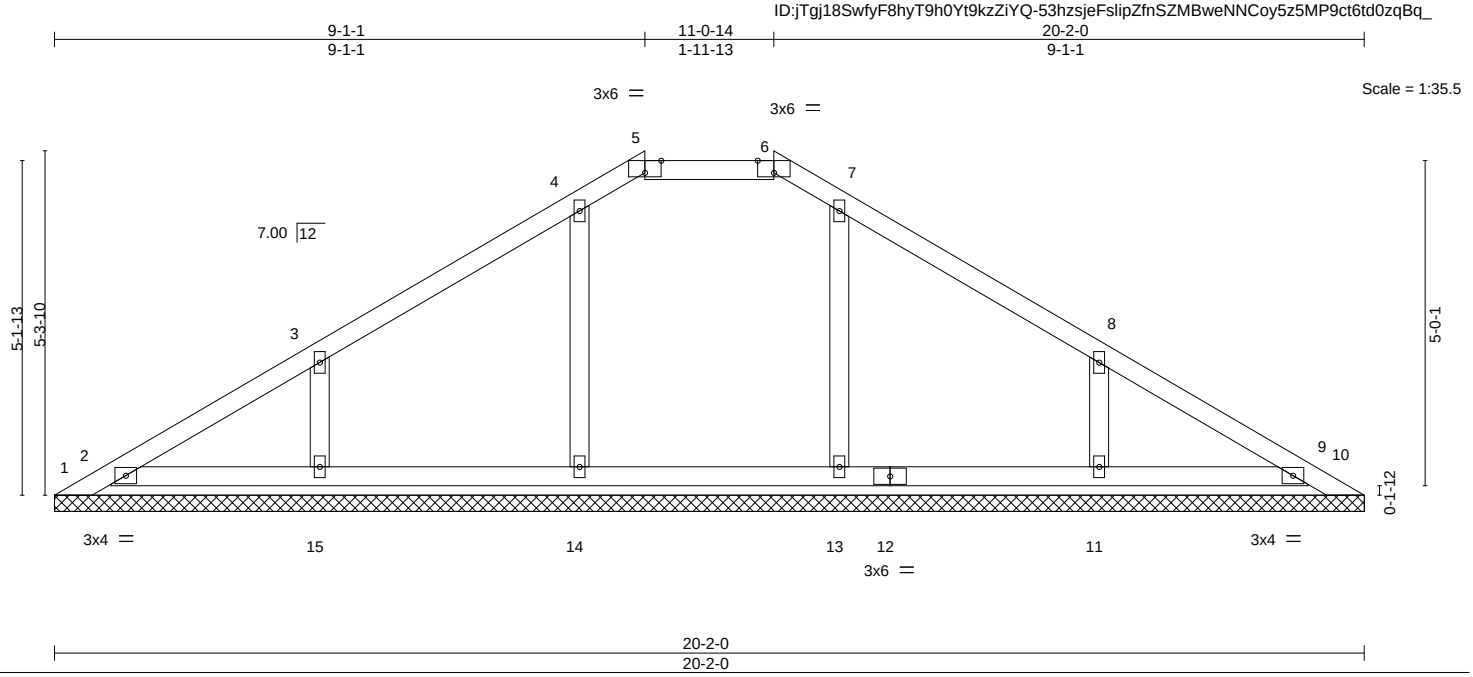


Plate Offsets (X,Y)-- [5:0-3-0,Edge], [6:0-3-0,Edge], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0]

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 79 lb	FT = 20%

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

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-144(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 10, 2, 14, 13 except 1=-104(LC 19), 15=-147(LC 12), 11=-149(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 10, 2, 9 except 14=375(LC 19), 15=325(LC 19), 13=364(LC 20), 11=326(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-15=-266/192, 8-11=-266/194

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2, 14, 13 except (jt=lb) 1=104, 15=147, 11=149.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650890
1669955	PB07	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:37 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-1SpkHPgVOMyXozxrgnDOjoSYGmnTZGrS3BbzguzqBpy

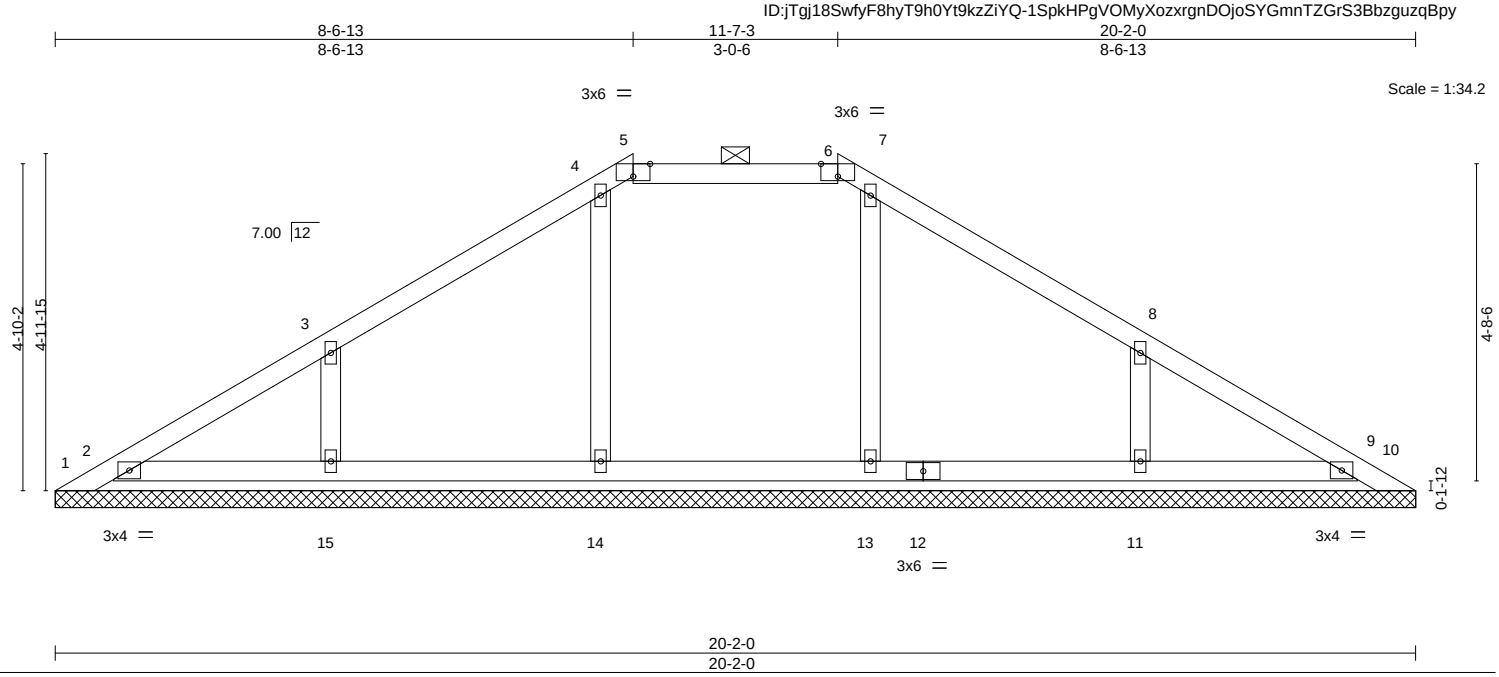


Plate Offsets (X,Y)-- [5:0-3-0,Edge], [6:0-3-0,Edge], [7:0-0-0,0-0-0], [8:0-0-0,0-0-0]

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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%

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

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-135(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 2, 14, 9, 13 except 15=-150(LC 12), 11=-151(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 10, 2, 9 except 14=364(LC 19), 15=329(LC 19), 13=344(LC 20), 11=330(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-15=-269/194, 8-11=-268/196

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 2, 14, 9, 13 except (jt=lb) 15=150, 11=151.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

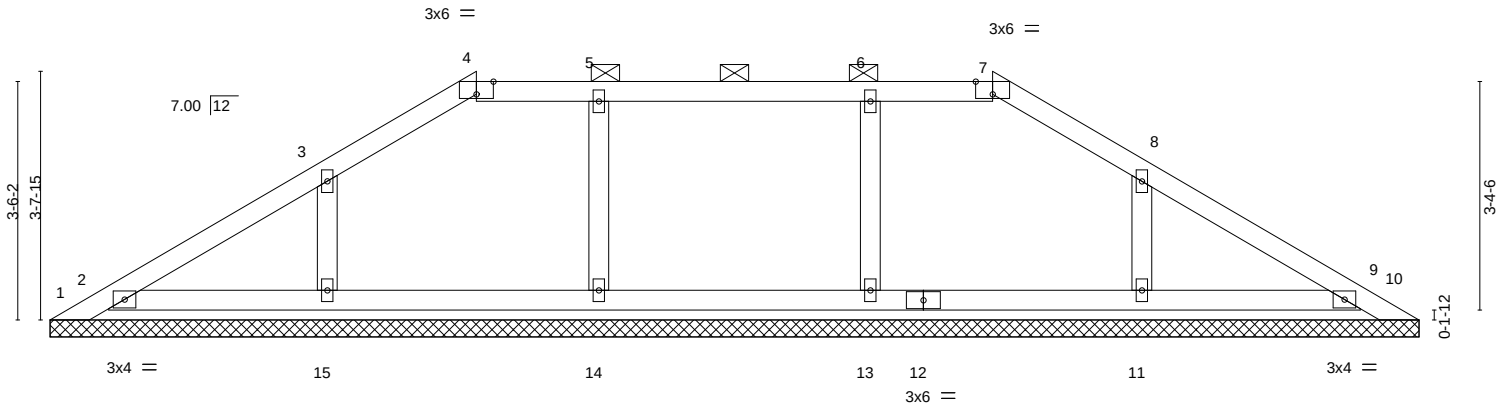
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650891
1669955	PB08	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:39 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-zqwUi4hmw_CE2H5DoCFsoDXuSZTN1BklXV44lnzqBpw

6-3-6 | 13-10-10 | 20-2-0
6-3-6 | 7-7-4 | 6-3-6

Scale = 1:33.9



20-2-0
20-2-0

Plate Offsets (X,Y)-- [4:0-3-0,Edge], [7:0-3-0,Edge], [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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	9	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
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-97(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 2, 14, 9, 13, 11 except 15=-102(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 2=288(LC 19), 14=312(LC 23), 15=292(LC 19), 9=274(LC 1), 13=312(LC 24), 11=289(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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) 1, 10, 2, 14, 9, 13, 11 except (jt=lb) 15=102.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

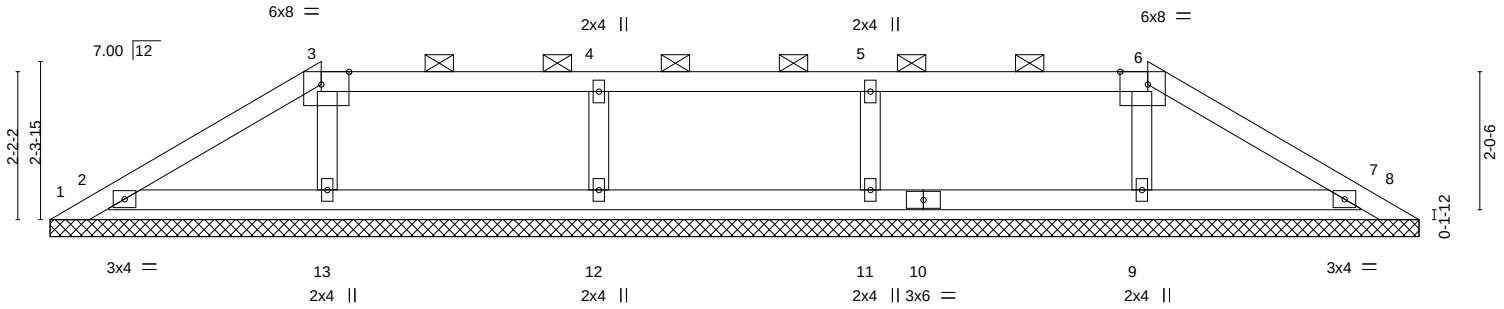
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	PB09	GABLE	5	1	E12650892
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:40 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-R1UsvQiOhHK5fQgQLvm5LQ42lzphme4ul9pdHDzqBpv

3-11-15 | 16-2-1 | 20-2-0
3-11-15 | 12-2-2 | 3-11-15

Scale = 1:33.9



20-2-0
20-2-0

Plate Offsets (X,Y)-- [3:0-4-15,Edge], [6:0-4-15,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	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 68 lb	FT = 20%

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

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

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-60(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 12, 13, 11, 9 except 1=-101(LC 19), 2=-124(LC 12), 7=-114(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 2=277(LC 19), 12=340(LC 24), 13=271(LC 23), 7=265(LC 20), 11=340(LC 23), 9=271(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-12=-259/143, 5-11=-259/143

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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) 8, 12, 13, 11, 9 except (jt=lb) 1=101, 2=124, 7=114.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

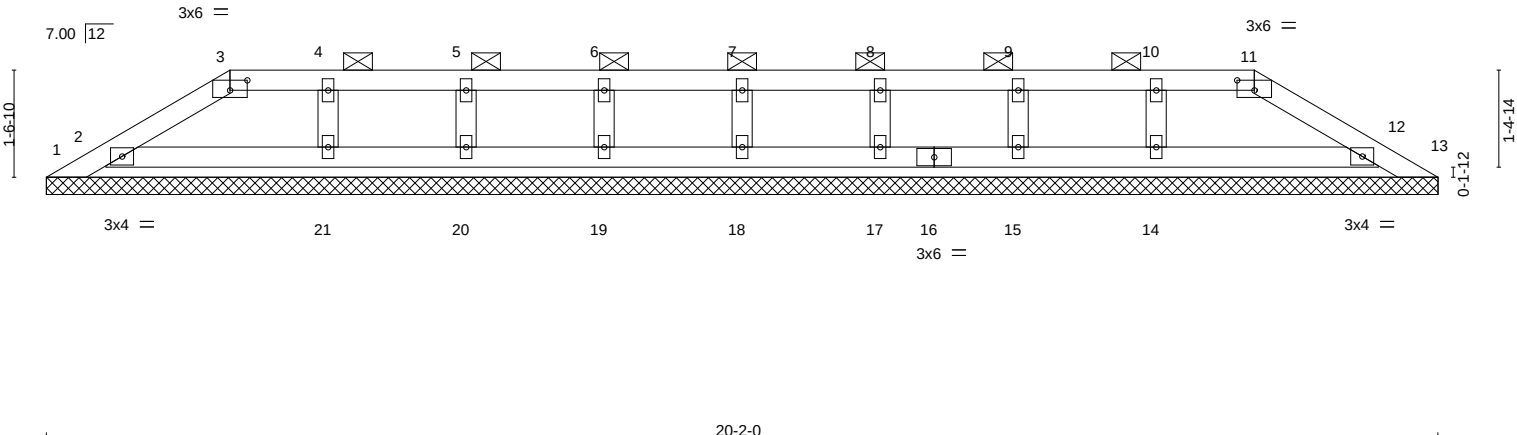
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650893
1669955	PB10	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:42 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-OPcdK6keCvapvkqoTKpZQr9QynVlEYzBDTIkM6zqBpt

2-7-15 / 2-7-15 — 17-6-1 / 14-10-2 — 20-2-0 / 2-7-15

Scale = 1:33.4



20-2-0 / 20-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 67 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-11.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-2-0.
(lb) - Max Horz 1=-40(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 2, 18, 19, 20, 21, 17, 15, 14, 12
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 2, 18, 19, 20, 21, 17, 15, 14, 12

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 1, 13, 2, 18, 19, 20, 21, 17, 15, 14, 12.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

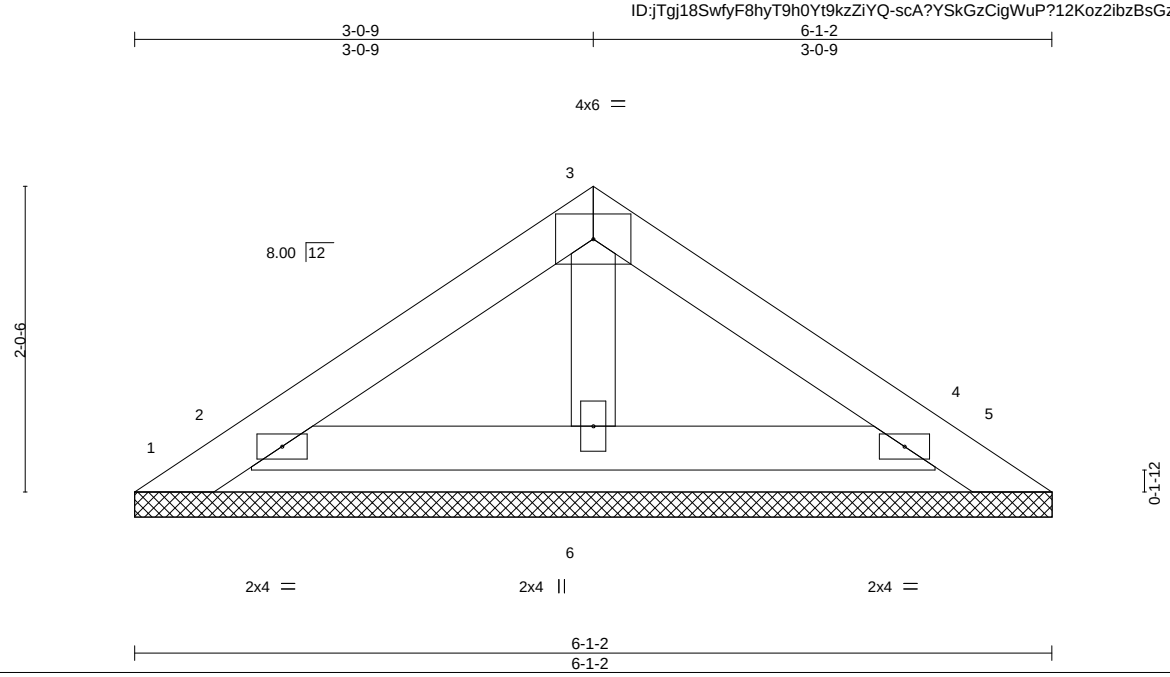
NORTH CAROLINA PROFESSIONAL SEAL 036322 ENGINEER ERIC A. GILBERT

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	PB11	GABLE	13	1	E12650894
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:43 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-scA?YSkGzCigWuP?12Koz2ibzBsGz?NLS72HuYzqBps



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 19 lb	FT = 20%

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

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

REACTIONS. All bearings 6-1-2.
(lb) - Max Horz 1=53(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 2=-116(LC 12), 4=-103(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 2=116, 4=103.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

January 30,2019

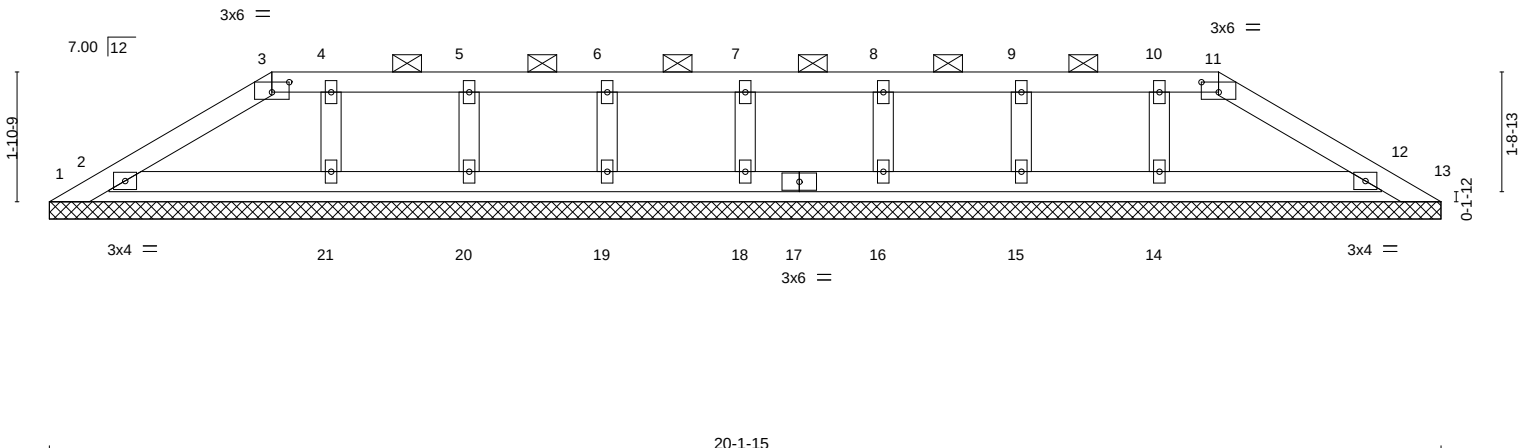
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650895
1669955	PB12	GABLE	2	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:45 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-o_Ily8mXVqyOmCYN8TMG2Tnwz_WTRvidvRXOyRzqBpq

3-2-11 16-11-4 20-1-15
3-2-11 13-8-9 3-2-11

Scale = 1:33.4



20-1-15
20-1-15

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 71 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-11.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=49(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 18, 19, 12, 20, 21, 16, 15, 14 except 2=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 18, 19, 20, 21, 16, 15, 14 except 2=274(LC 19), 12=258(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 1, 13, 18, 19, 12, 20, 21, 16, 15, 14 except (jt=lb) 2=104.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

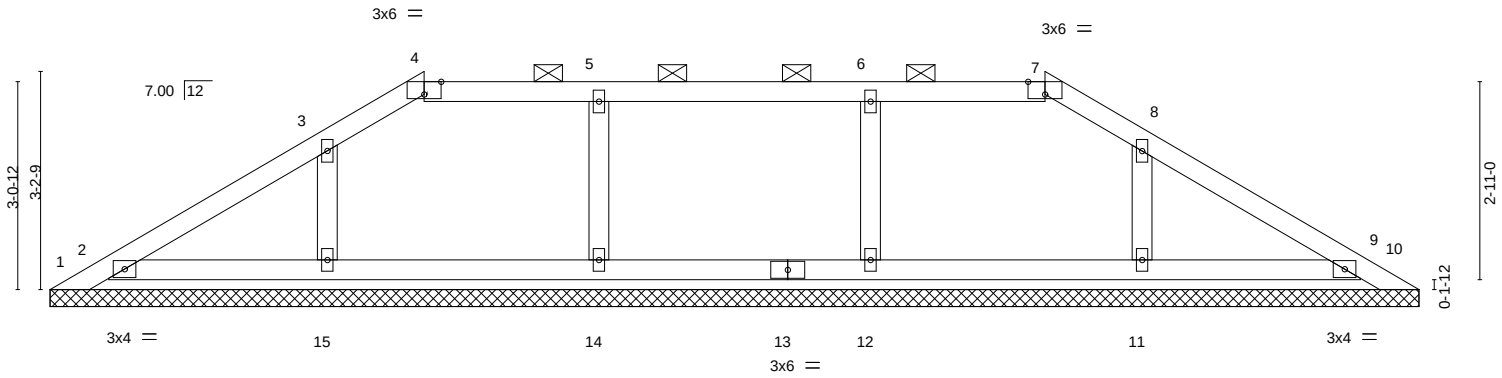
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650896
1669955	PB13	GABLE	2	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:47 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-kNPWNpnn1RD6?VimGuOk7usFZoCEvppwNl0V1JzqBpo

5-6-2 | 14-7-13 | 20-1-15
5-6-2 | 9-1-12 | 5-6-2

Scale = 1:33.9



20-1-15
20-1-15

Plate Offsets (X,Y)-- [4:0-3-0,Edge], [7:0-3-0,Edge], [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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.05	Horz(CT)	0.00	10	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S							Weight: 72 lb	FT = 20%

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

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

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=84(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 14, 15, 9, 12, 11 except 2=-105(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 2=283(LC 19), 14=313(LC 23), 15=273(LC 19), 9=275(LC 1), 12=313(LC 24), 11=268(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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) 1, 10, 14, 15, 9, 12, 11 except (jt=lb) 2=105.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650897
1669955	PB14	GABLE	2	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:49 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-glXGoVp1Z2TqEps8NIRCCJyb?btHNimDq3Vc5CzqBpm

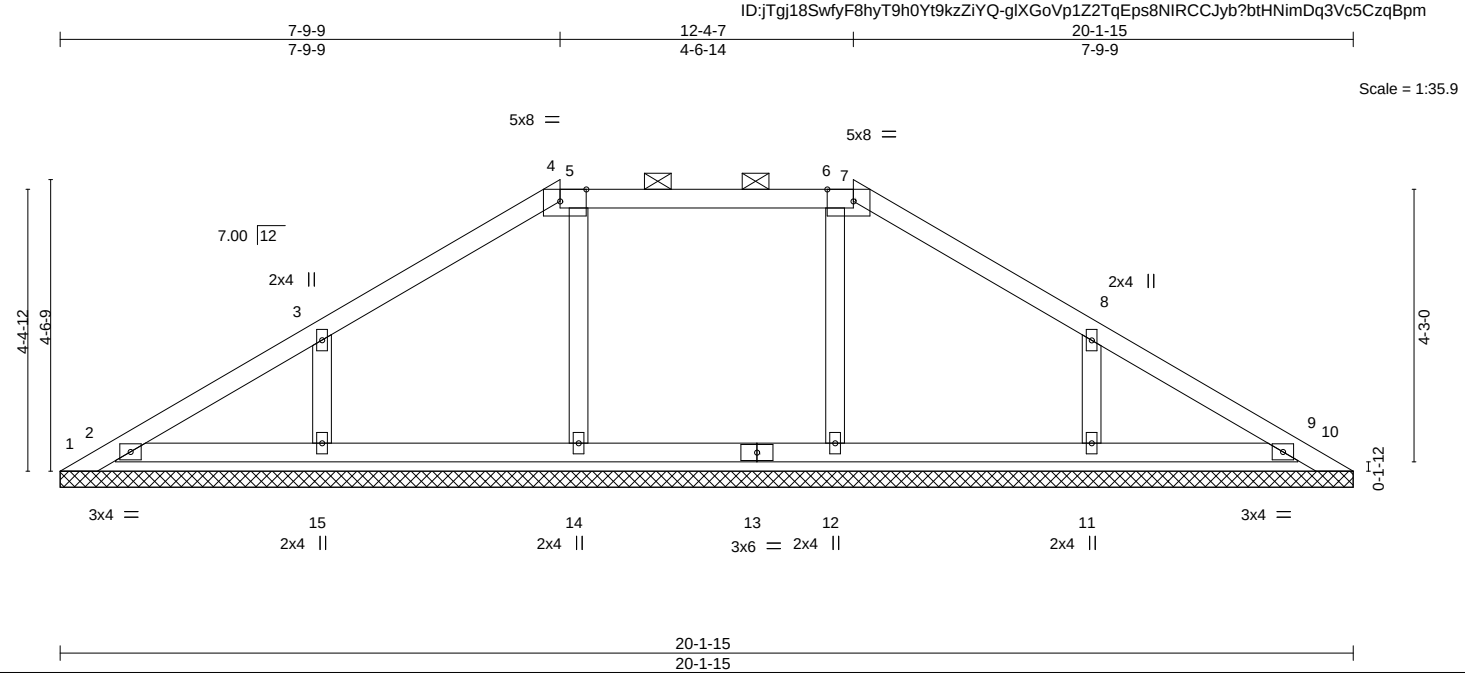


Plate Offsets (X,Y)-- [4:0-0-0,0-1-2], [4:0-4-14,Edge], [5:0-1-12,0-0-0], [6:0-1-12,0-0-0], [7:0-0-0,0-1-2], [7:0-4-14,Edge], [8:0-0-0,0-0-0]

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	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0		Lumber DOL 1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0	*	Rep Stress Incr YES	WB	0.09	Horz(CT)	0.00	9	n/a	n/a		
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S							Weight: 77 lb	FT = 20%

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

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

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=122(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 2, 14, 9, 12 except 15=-138(LC 12), 11=-136(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 10, 2, 9 except 14=361(LC 25), 15=327(LC 19), 12=361(LC 26), 11=325(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-14=-257/136, 3-15=-260/183, 6-12=-257/116, 8-11=-257/180

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 2, 14, 9, 12 except (jt=lb) 15=138, 11=136.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

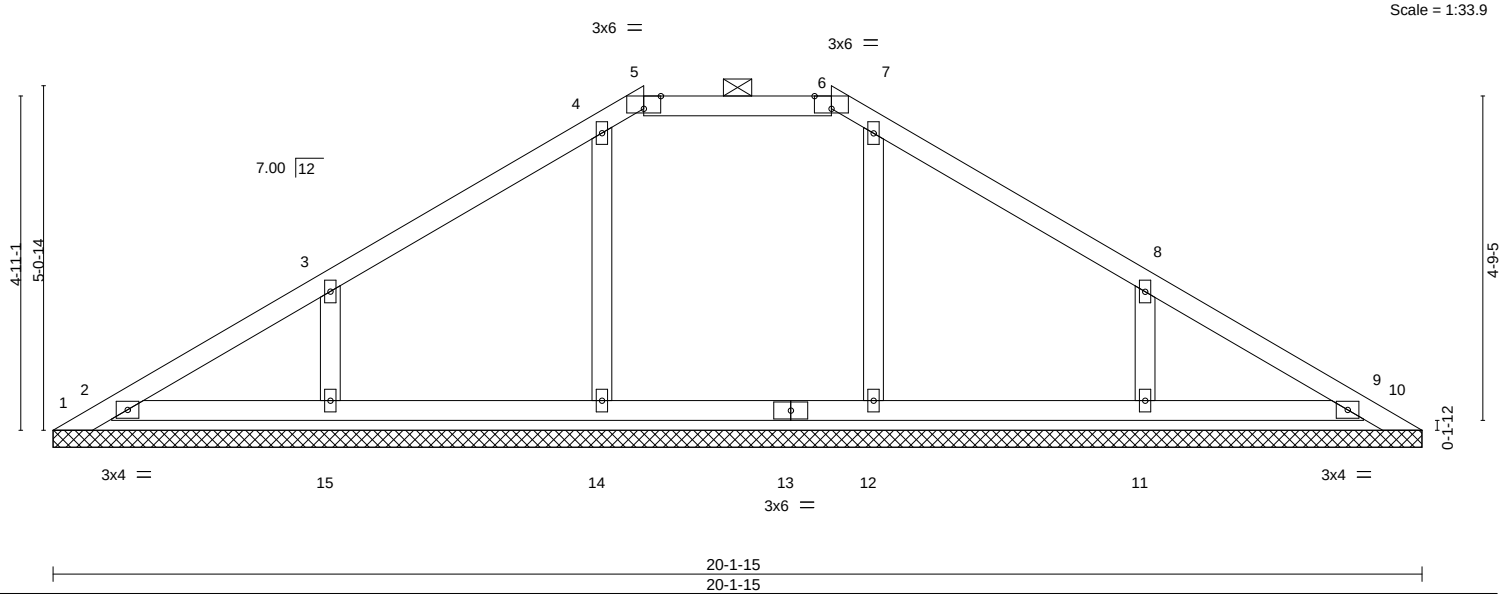
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650898
1669955	PB15	GABLE	2	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:50 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-9y5e0rqfKMbhszRLx0yRlXUm??DU694N3jE9eezqBpl

8-8-6 | 11-5-9 | 20-1-15
8-8-6 | 2-9-3 | 8-8-6

Scale = 1:33.9



20-1-15
20-1-15

Plate Offsets (X,Y)-- [5:0-3-0,Edge], [6:0-3-0,Edge], [7:0-0-0,0-0-0], [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	0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 78 lb	FT = 20%

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

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

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=137(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 10, 2, 14, 9, 12 except 1=-100(LC 19), 15=-149(LC 12), 11=-151(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 10, 2, 9 except 14=369(LC 19), 15=328(LC 19), 12=352(LC 20), 11=329(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-15=-268/194, 8-11=-268/195

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 2, 14, 9, 12 except (jt=lb) 1=100, 15=149, 11=151.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

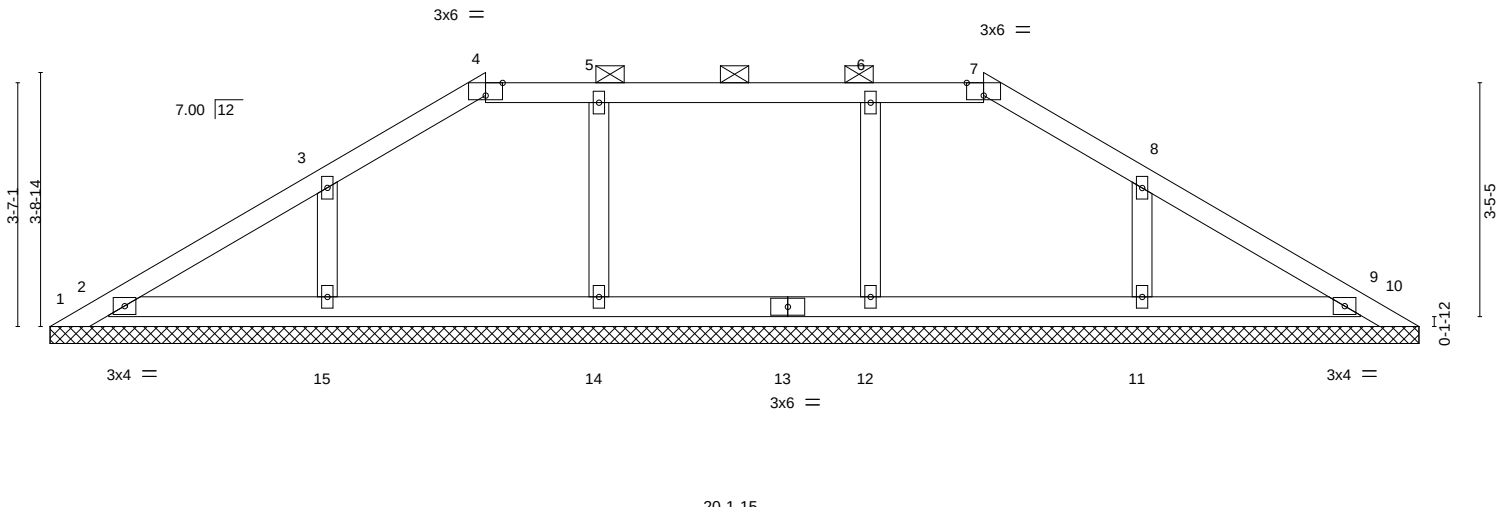
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	PB16	GABLE	2	1	E12650899
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:52 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-5KDPQXrwszrO5Gbj2R_vqya60pvPa3xfW0jGiXzqBpj

6-4-15 | 13-9-0 | 20-1-15
6-4-15 | 7-4-0 | 6-4-15

Scale = 1:33.9



20-1-15
20-1-15

Plate Offsets (X,Y)-- [4:0-3-0,Edge], [7:0-3-0,Edge], [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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	9	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
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=99(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 2, 14, 9, 12 except 15=-105(LC 12), 11=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 2=288(LC 19), 14=313(LC 23), 15=296(LC 19), 9=271(LC 1), 12=313(LC 24), 11=292(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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 4-0-0 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) 1, 10, 2, 14, 9, 12 except (jt=lb) 15=105, 11=102.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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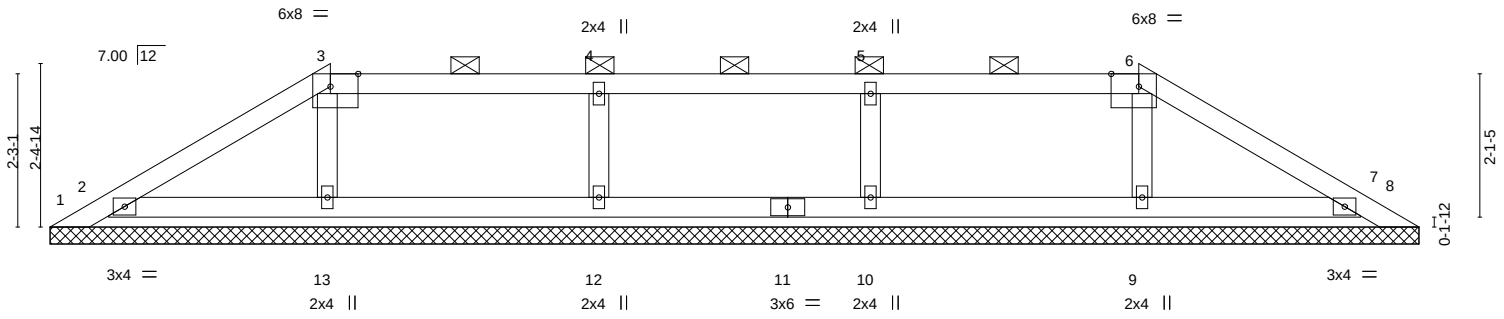
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650900
1669955	PB17	GABLE	2	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:54 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-1jK9rDtAOb56Lak6As0NvNfRJcby2zZy_KCNnPzqBph

4-1-9 | 16-0-7 | 20-1-15
4-1-9 | 11-10-14 | 4-1-9

Scale = 1:33.9



20-1-15
20-1-15

Plate Offsets (X,Y)-- [3:0-4-14,Edge], [6:0-4-14,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 68 lb	FT = 20%

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

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

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=-62(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 8, 12, 13, 10, 9 except 1=-112(LC 19), 2=-132(LC 12), 7=-122(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 8 except 2=288(LC 19), 12=336(LC 24), 13=274(LC 23), 7=277(LC 20), 10=336(LC 23), 9=274(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-12=-256/141, 5-10=-255/141

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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) 8, 12, 13, 10, 9 except (jt=lb) 1=112, 2=132, 7=122.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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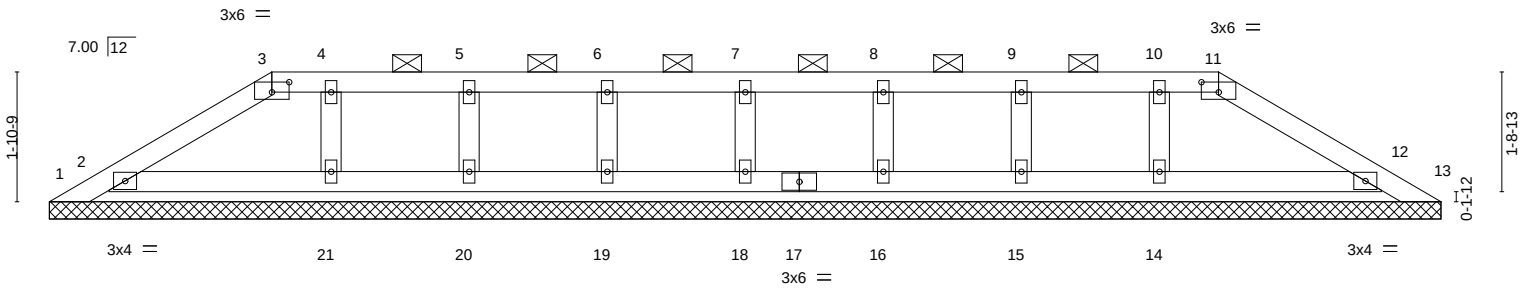
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	PB18	GABLE	2	1	E12650901
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:56 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-z6SwGuuQvCLqauuUHH3r_okpCQH1WtQFRehTrIzqBpf

3-2-11 | 16-11-4 | 20-1-15
3-2-11 | 13-8-10 | 3-2-11

Scale = 1:33.4



20-1-15
20-1-15

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.07	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code	IRC2015/TPI2014	Matrix-S							Weight: 71 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-11.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-1-15.
(lb) - Max Horz 1=-49(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 18, 19, 20, 21, 16, 15, 14, 12 except 2=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 18, 19, 20, 21, 16, 15, 14 except 2=274(LC 19), 12=258(LC 20)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) 1, 13, 18, 19, 20, 21, 16, 15, 14, 12 except (jt=lb) 2=104.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650902
1669955	PB19	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:57 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-RI0IUEv2gWThC2Thr_a4X?H?lqbeFK7OgIR1OkzqBpe

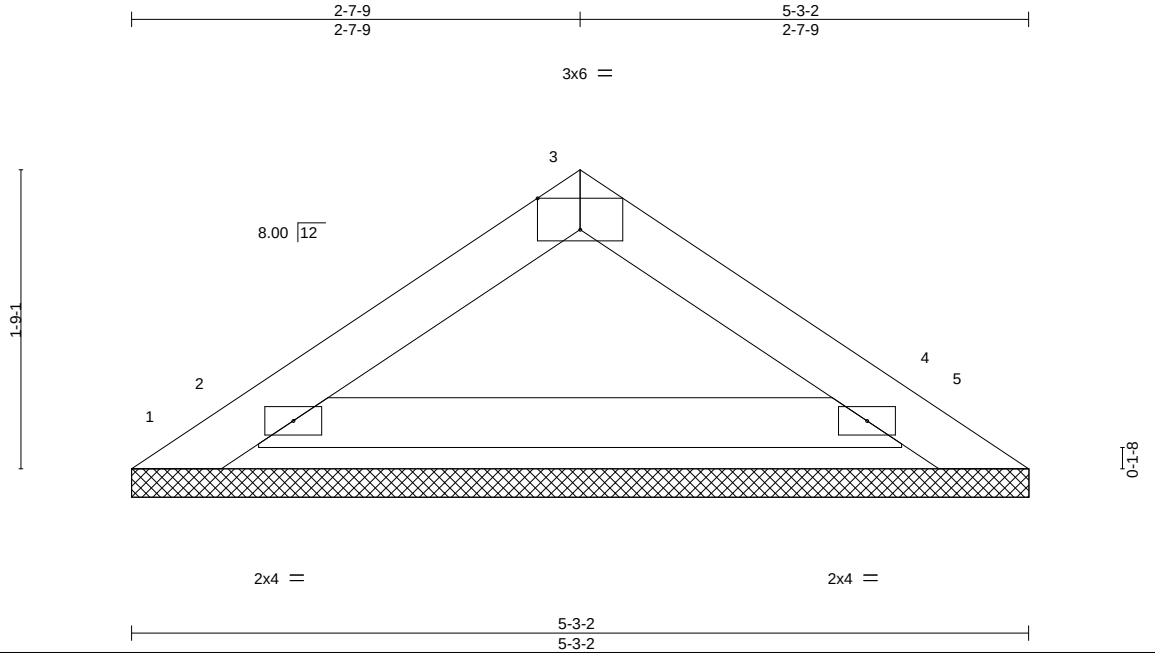

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-P							Weight: 15 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 5-3-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-3-2.
(lb) - Max Horz 1=-45(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 2, 4
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 2, 4.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

January 30,2019

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Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650903
1669955	V01	GABLE	13	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:25:58 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-wUaghawhRpbYpB2tPh5J4Dq9wEzb_mOYuyAawAzqBpd

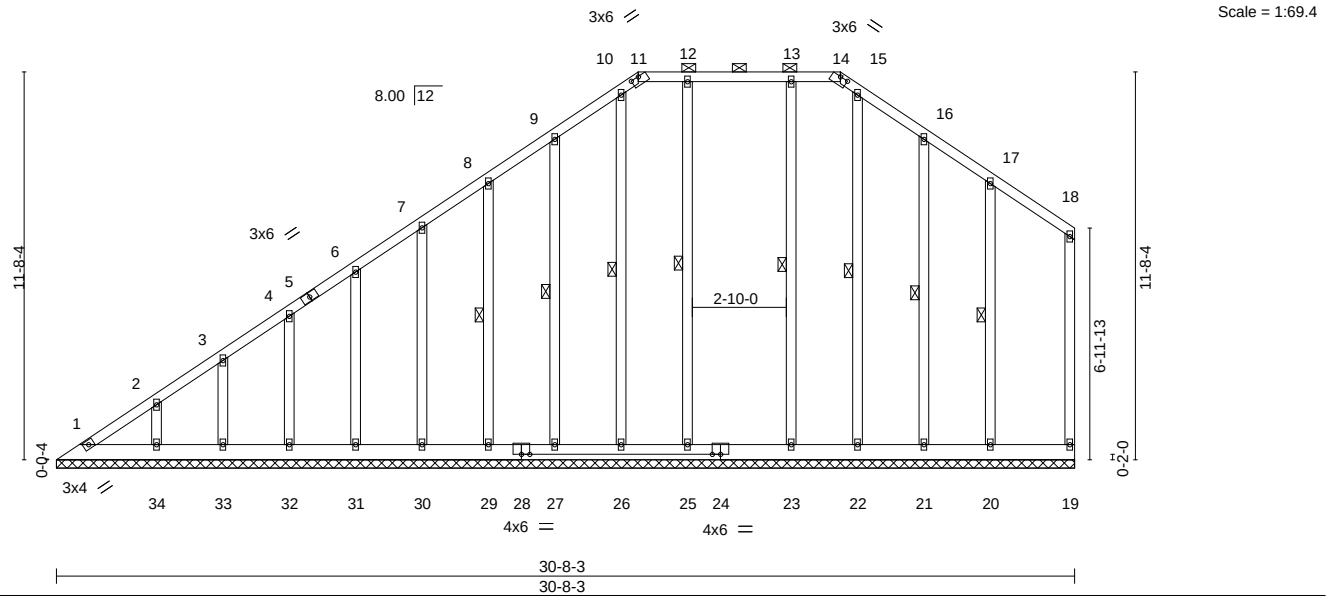

Plate Offsets (X,Y)-- [11:0-3-0,0-0-2], [14:0-3-0,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	19	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 273 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 24-28: 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.): 11-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 27-29,23-25.
WEBS 1 Row at midpt 12-25, 10-26, 9-27, 8-29, 13-23, 15-22, 16-21, 17-20

REACTIONS. All bearings 30-8-3.
(lb) - Max Horz 1=386(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 19, 25, 26, 27, 29, 30, 31, 32, 33, 23, 21, 20 except 1=-108(LC 10), 34=-113(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 19, 1, 25, 26, 27, 29, 30, 31, 32, 33, 34, 22, 21 except 23=261(LC 26), 20=263(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-437/291, 2-3=-346/252, 3-4=-278/228

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 25, 26, 27, 29, 30, 31, 32, 33, 23, 21, 20 except (jt=lb) 1=108, 34=113.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 25, 26, 27.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/
1669955	V02	GABLE	3	1	E12650904
					Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:26:01 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-K3GpJcyZkkz7gfnS4qe0hrSfqR_?B6?_bwPEXVzqBpa

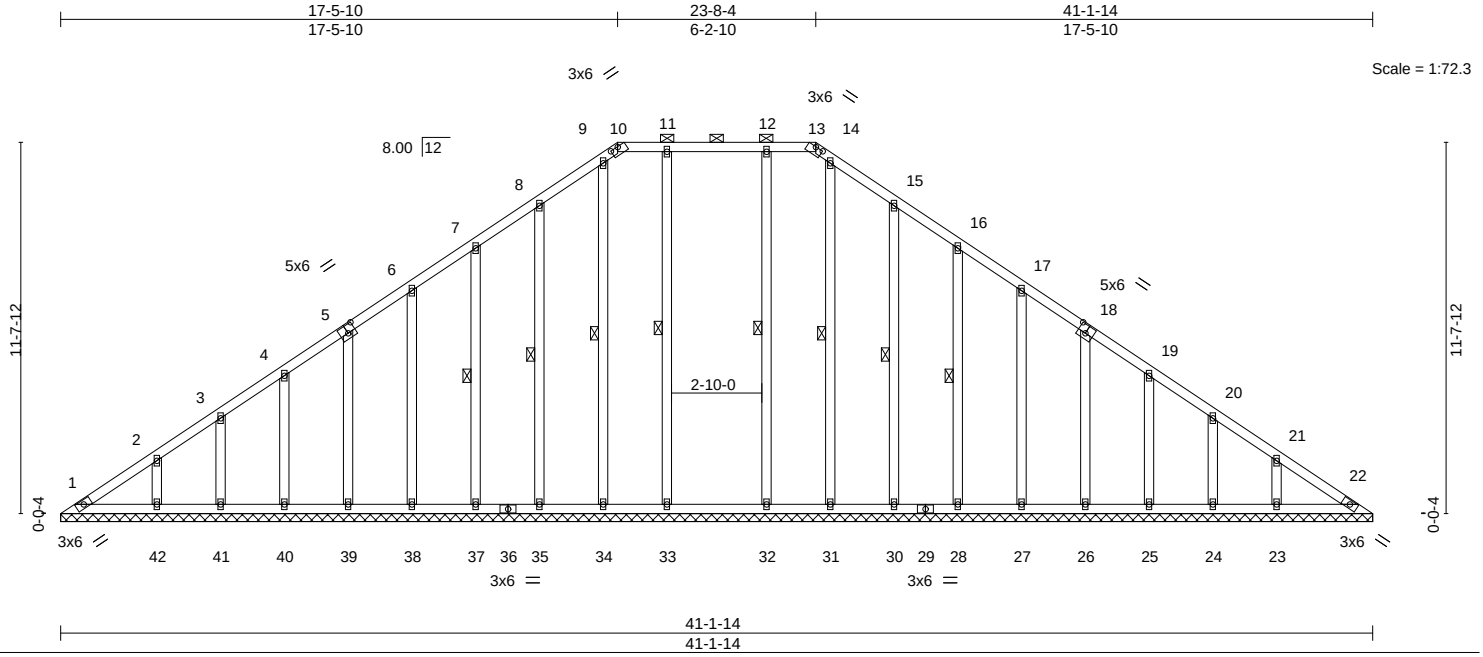

Plate Offsets (X,Y)-- [5:0-3-0,0-3-0], [10:0-3-0,0-0-2], [13:0-3-0,0-0-2], [18:0-3-0,0-3-0]

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	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	22	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 310 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 10-13.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 11-33, 9-34, 8-35, 7-37, 12-32, 14-31, 15-30, 16-28

REACTIONS. All bearings 41-1-14.
(lb) - Max Horz 1=-323(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 33, 34, 35, 37, 38, 39, 40, 41, 32, 22, 28, 27, 26, 25, 24 except 42=-107(LC 12), 30=-100(LC 13), 23=-107(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 34, 35, 37, 38, 39, 40, 41, 42, 22, 31, 30, 28, 27, 26, 25, 24, 23 except 33=251(LC 25), 32=251(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-343/267, 2-3=-253/228, 8-9=-256/297, 9-10=-217/250, 10-11=-230/274, 11-12=-230/274, 12-13=-230/274, 13-14=-217/250, 14-15=-256/294, 21-22=-259/181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 33, 34, 35, 37, 38, 39, 40, 41, 32, 22, 28, 27, 26, 25, 24 except (jt=lb) 42=107, 30=100, 23=107.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650905
1669955	V03	GABLE	1	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:26:02 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-oGpBXyzBV26_IpMeeXAFE3_k?rJBwXK8pa8o3yzqBpZ

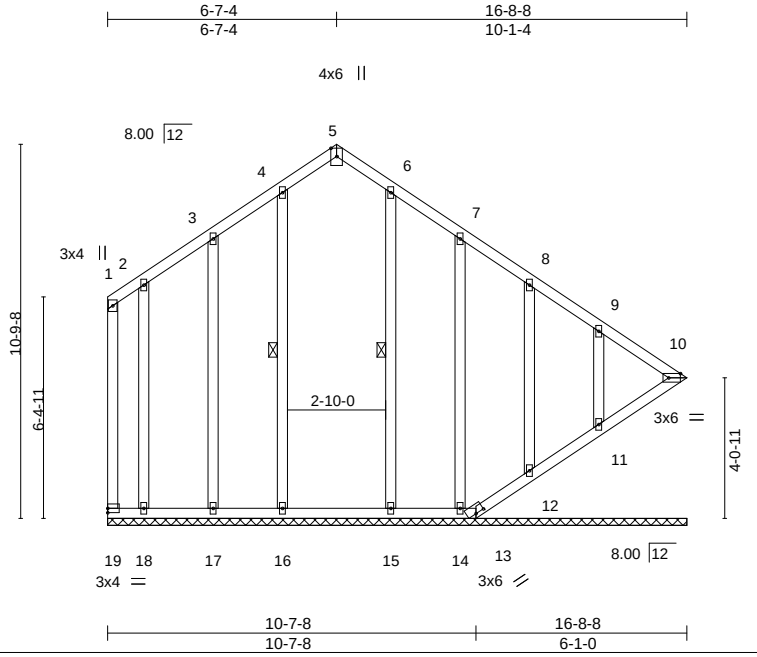

Plate Offsets (X,Y)-- [10:0-4-1,Edge], [13:0-3-0,0-0-2]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.15	TC 0.47	Vert(LL) n/a - n/a 999	MT20 244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.15	Vert(CT) n/a - n/a 999	
BCLL 0.0	*	Rep Stress Incr YES	WB 0.26	Horz(CT) 0.01 10 n/a n/a	
BCDL 10.0		Code IRC2015/TPI2014	Matrix-S		Weight: 139 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, Except: 6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 4-16, 6-15

REACTIONS. All bearings 16-8-8.
(lb) - Max Horz 19=-341(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 19, 16, 18, 15, 12, 11 except 10=-237(LC 9), 13=-147(LC 8), 17=-128(LC 12), 14=-139(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 19, 13, 17, 18, 14, 12, 11 except 10=342(LC 10), 16=286(LC 20), 15=351(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-277/316, 6-7=-277/316, 8-9=-270/235, 9-10=-288/244
BOT CHORD 12-13=-242/303, 11-12=-243/303, 10-11=-247/301

NOTES- (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 16, 18, 15, 12, 11 except (jt=lb) 10=237, 13=147, 17=128, 14=139.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 10, 12, 11.
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.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650906
1669955	V04	GABLE	1	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:26:03 2019 Page 1
ID:my2chxDvKTP6oXCidvnjFTzpY?4-GSNZkl_pGMErwzwrCFhUnGX?lFfTf0LH2EuLbOzqBpY

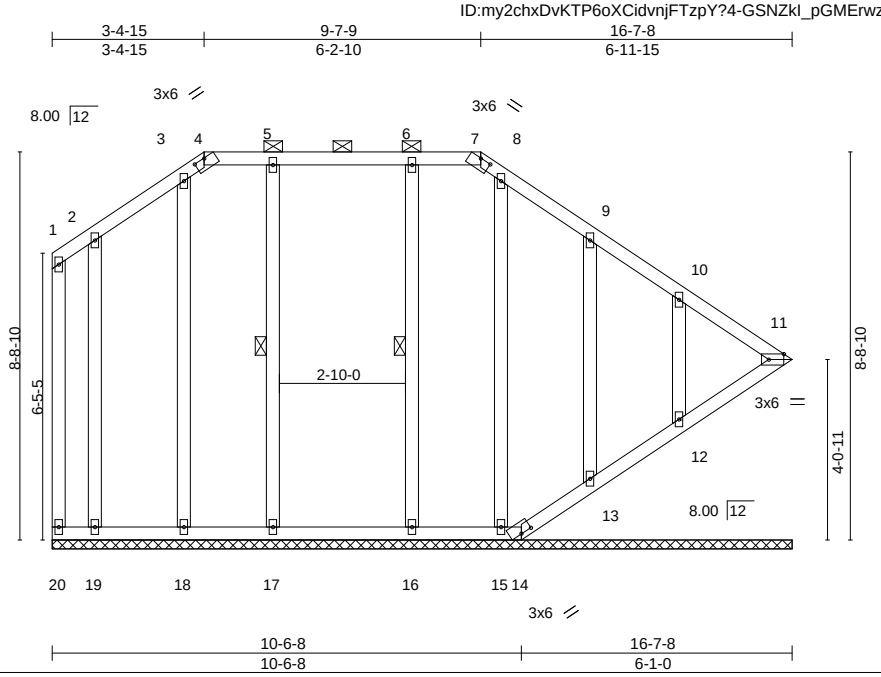

Plate Offsets (X,Y)-- [4:0-3-0,0-0-2], [7:0-3-0,0-0-2], [11:0-4-1,Edge], [14:0-3-0,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 133 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.): 4-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 5-17, 6-16

REACTIONS. All bearings 16-7-8.
(lb) - Max Horz 20=-145(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) 20, 11, 14, 17, 18, 19, 16, 15, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 20, 11, 14, 18, 19, 15, 13, 12 except 17=251(LC 26), 16=256(LC 25)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 11, 14, 17, 18, 19, 16, 15, 13, 12.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 11, 13, 12.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650907
1669955	V05	GABLE	2	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:26:05 2019 Page 1
ID:u2XELeCnRWP0nPLJeNfnnKyCKHZ-CqVJ9z?4ozUY9G4DJfjyshcLr2Lx7w5aVYNSgGzqBpW

17-3-8 | 23-6-10 | 40-10-2
17-3-8 | 6-3-2 | 17-3-8

Scale = 1:72.2

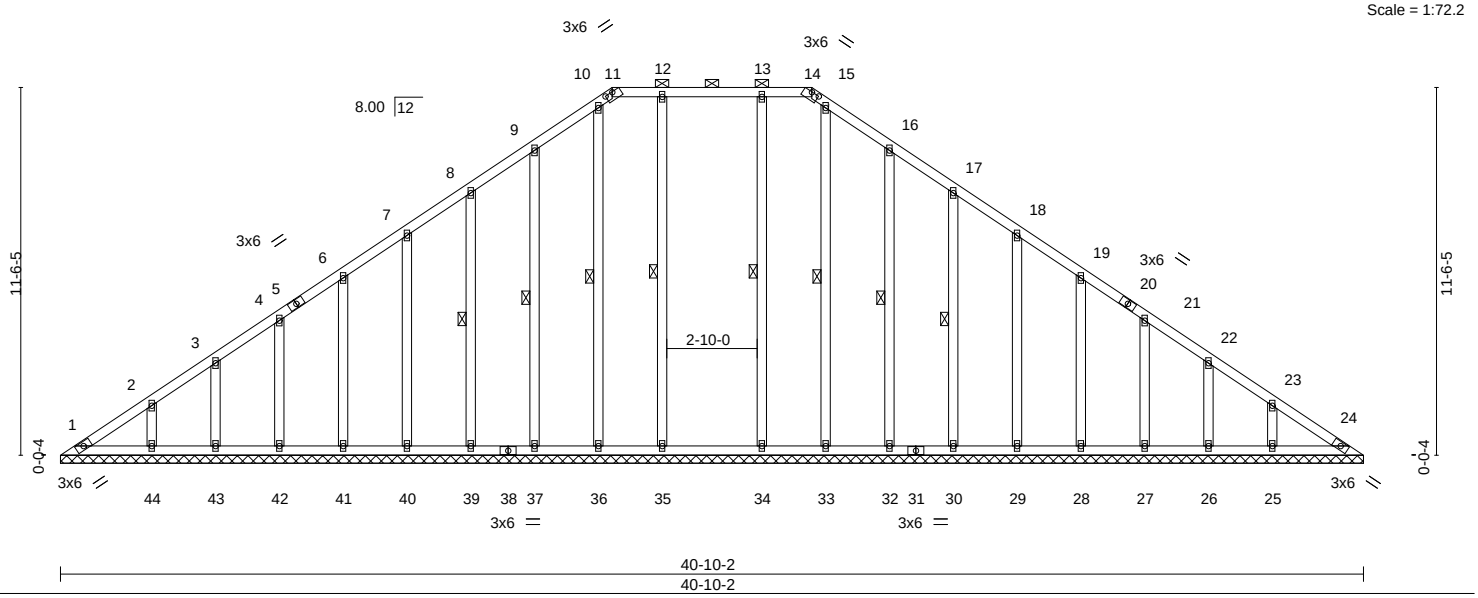

Plate Offsets (X,Y)-- [11:0-3-0,0-0-2], [14:0-3-0,0-0-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.02	24	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 306 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 11-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-35, 10-36, 9-37, 8-39, 13-34, 15-33, 16-32, 17-30

REACTIONS. All bearings 40-10-2.
(lb) - Max Horz 1=-320(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 35, 36, 37, 39, 40, 41, 42, 43, 34, 32, 30, 29, 28, 27, 26, 24 except 44=-102(LC 12), 25=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 36, 37, 39, 40, 41, 42, 43, 44, 33, 32, 30, 29, 28, 27, 26, 25, 24 except 35=251(LC 26), 34=251(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-342/266, 2-3=-256/229, 9-10=-255/295, 11-12=-230/272, 12-13=-230/272, 13-14=-230/272, 15-16=-255/293, 23-24=-258/181

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 35, 36, 37, 39, 40, 41, 42, 43, 34, 32, 30, 29, 28, 27, 26, 24 except (jt=lb) 44=102, 25=102.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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

Job	Truss	Truss Type	Qty	Ply	H&H/Calabash/ E12650908
1669955	V06	GABLE	5	1	Job Reference (optional)

Probuild East, Albemarle , NC 28001 — 8.220 s Nov 16 2018 MiTek Industries, Inc. Wed Jan 30 10:26:07 2019 Page 1
ID:jTgj18SwfyF8hyT9h0Yt9kzZiYQ-9Dd4af1KKakGPaEcQ4lQx6hg1s1PbqbtzssZk9zqBpU

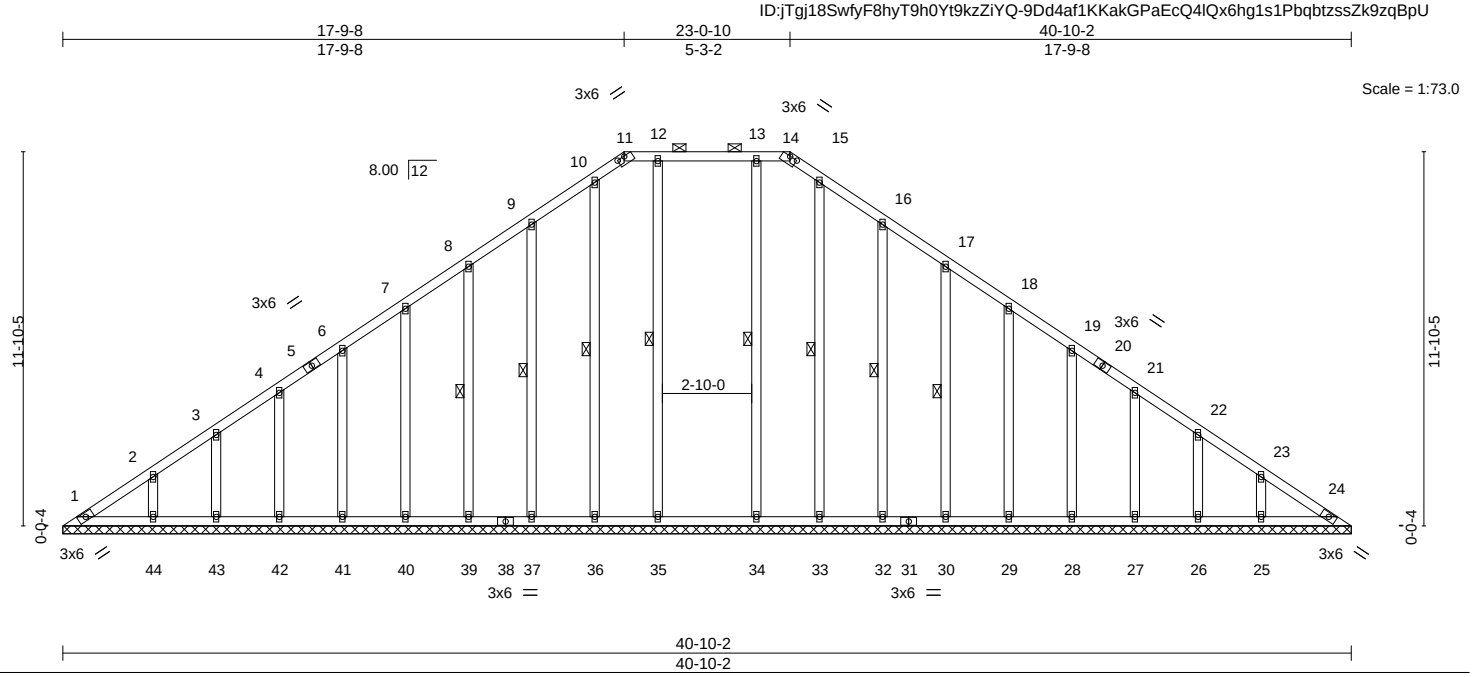

Plate Offsets (X,Y)-- [11:0-3-0,0-0-2], [14:0-3-0,0-0-2]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.02	24	n/a	n/a		
BCDL	10.0	Code IRC2015/TPI2014		Matrix-S							Weight: 307 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 11-14.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-35, 10-36, 9-37, 8-39, 13-34, 15-33, 16-32, 17-30

REACTIONS. All bearings 40-10-2.
(lb) - Max Horz 1=-329(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 35, 36, 37, 39, 40, 41, 42, 43, 34, 30, 29, 28, 27, 26, 24 except 44=-102(LC 12), 32=-104(LC 13), 25=-102(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 36, 37, 39, 40, 41, 42, 43, 44, 33, 32, 30, 29, 28, 27, 26, 25, 24 except 35=261(LC 22), 34=256(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-368/266, 2-3=-282/229, 9-10=-233/274, 10-11=-226/255, 11-12=-222/261, 12-13=-222/261, 13-14=-222/261, 14-15=-226/255, 15-16=-233/264, 23-24=-290/204
BOT CHORD 1-44=-181/267, 43-44=-181/267, 42-43=-181/267, 41-42=-181/267, 40-41=-181/267, 39-40=-181/267, 37-39=-181/267, 36-37=-181/267, 35-36=-181/267, 34-35=-181/267, 33-34=-181/267, 32-33=-181/267, 30-32=-181/267, 29-30=-181/267, 28-29=-181/267, 27-28=-181/267, 26-27=-181/267, 25-26=-181/267, 24-25=-181/267

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 35, 36, 37, 39, 40, 41, 42, 43, 34, 30, 29, 28, 27, 26, 24 except (jt=lb) 44=102, 32=104, 25=102.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

January 30,2019

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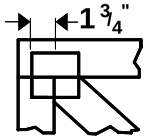
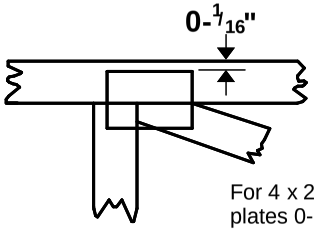
Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

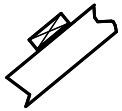
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

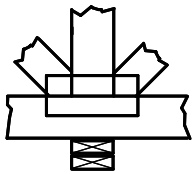
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

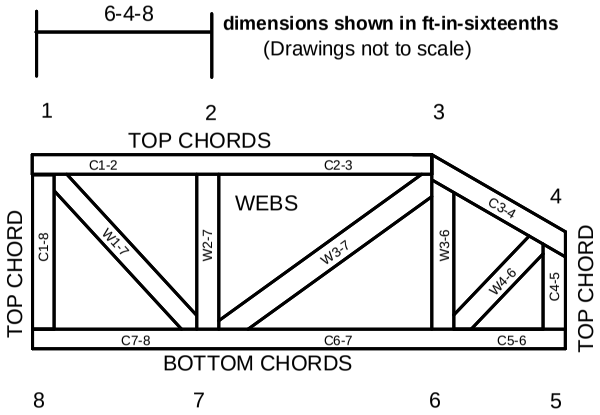


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek®

ENGINEERING BY TRENCO
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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.