

RLH-VK-0108-DSP00-01

Job ORDERS	Truss SE-14556	Truss Type COMN	Qty 1	Ply 1	10_Southeast	I49147396
Job Reference (optional)						

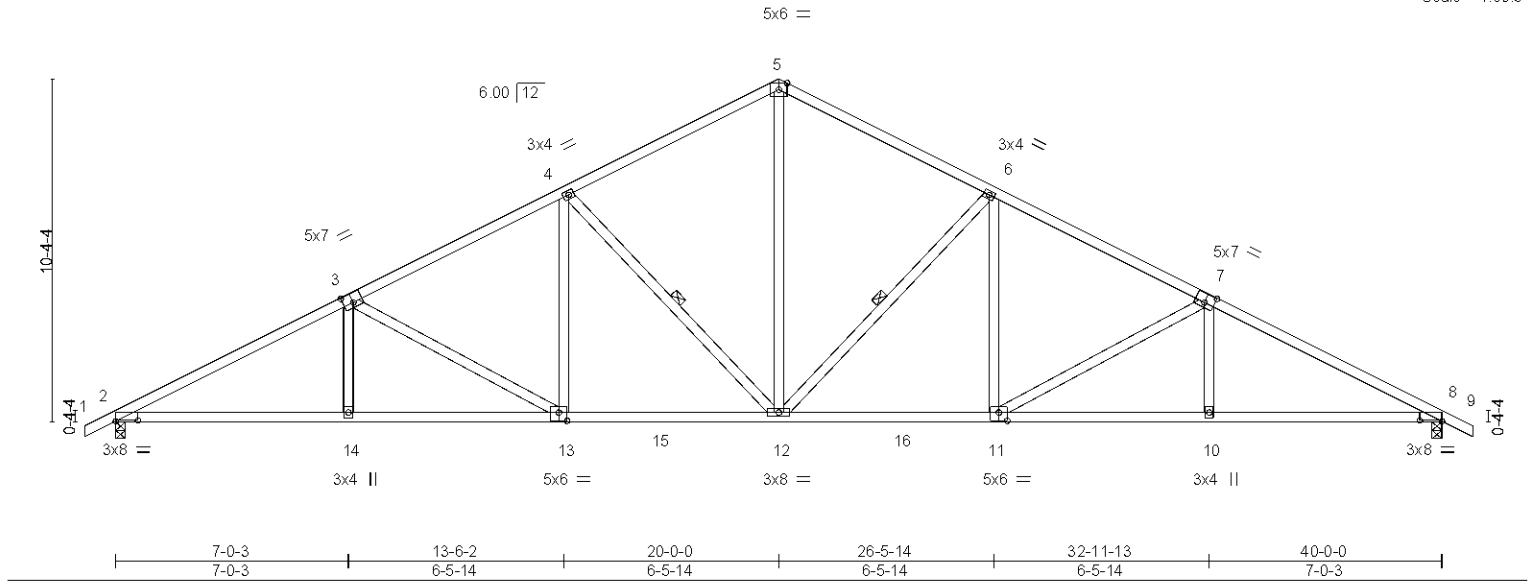
NVR, Frederick, MD - 21703,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:30:31 2021 Page 1

ID:YstCVLXCi8aib5IKGG1z3?yC_bB-wBmQ0gLEtmbkTMhFxtlUDG1X80O?hJfOhKcKczyBF8s

0-11-4 7-0-3 13-6-2 20-0-0 26-5-14 32-11-13 40-0-0 49-11-4
0-11-4 7-0-3 6-5-14 6-5-14 6-5-14 6-5-14 7-0-3 0-11-4

Scale = 1:69.5



LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.99	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.91	Vert(LL) -0.19 11-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.66	Vert(CT) -0.39 11-12 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.16 8 n/a n/a		
	Code IBC2021/TPI2014		Wind(LL) 0.16 12-13 >999 240	Weight: 221 lb	FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 9-0-13 oc bracing.
WEBS 1 Row at midpt 4-12, 6-12

REACTIONS.

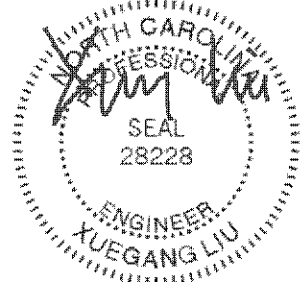
(size) 2=0-3-8, 8=0-3-8
Max Horz 2=180(LC 15)
Max Uplift 2=229(LC 10), 8=229(LC 11)
Max Grav 2=1653(LC 1), 8=1653(LC 1)

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

TOP CHORD 2-3=3030/371, 3-4=2441/332, 4-5=1866/308, 5-6=1866/308, 6-7=2441/332, 7-8=3030/372
BOT CHORD 2-14=410/2615, 13-14=412/2612, 12-13=240/2105, 11-12=90/2105, 10-11=233/2612, 8-10=231/2615
WEBS 3-14=0/293, 4-13=19/465, 5-12=135/1224, 6-11=19/465, 7-10=0/293, 3-13=587/198, 4-12=764/256, 6-12=764/256, 7-11=587/198

NOTES- (6-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=229, 8=229.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



January 12, 2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

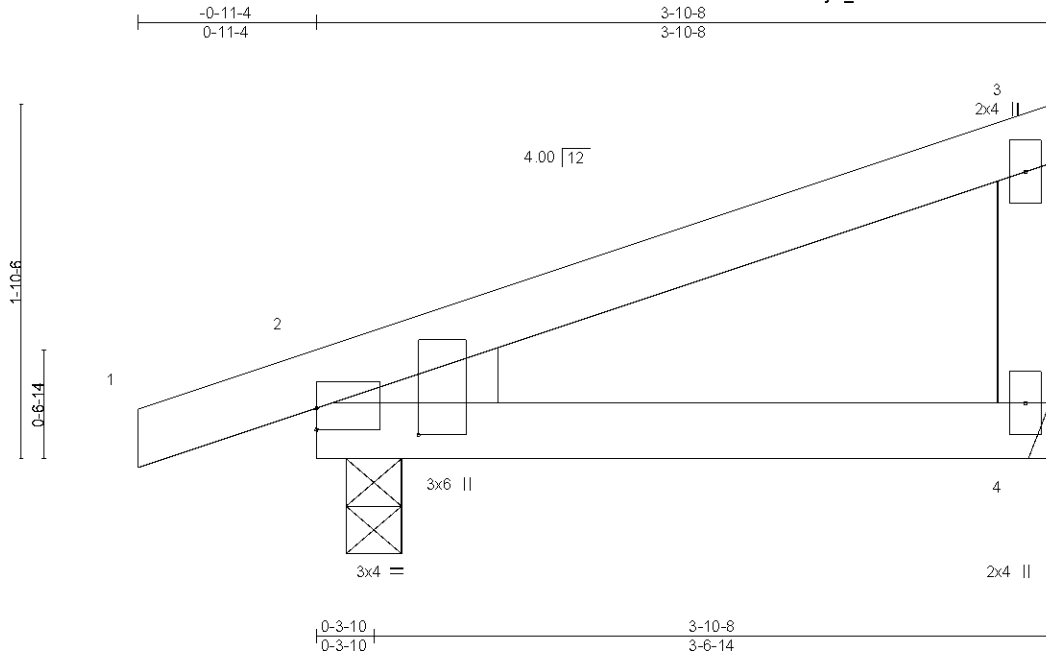
ENGINEERING BY
TRENCO
A MITTEK AFFILIATE

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	10_Southeast	I49147401
ORDERS	SE-14561	MONO	1	1	Job Reference (optional)	

NVR, Frederick, MD - 21703,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:30:36 2021 Page 1
ID:YstCVLXCI8aib5IKGG1z3?yC_bB-G9ZJ3NPNiJE0rEEe2UTTbH_3j9uSg6oOYzwVHAyBF8n



Scale: 1"=1'

Plate Offsets (X,Y)--		[2:0-0-0,0-1-5], [2:0-1-11,0-6-7]	
LOADING (psf)	SPACING-	2-0-0	CSL
TCLL 20.0	Plate Grip DOL	1.15	TC 0.20
TCDL 10.0	Lumber DOL	1.15	BC 0.21
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code IBC2021/TPI2014		Matrix-P
			DEFL. in (loc) l/defl L/d
			Vert(LL) -0.01 2-4 >999 360
			Vert(CT) -0.02 2-4 >999 240
			Horz(CT) 0.00 n/a n/a
			Wind(LL) 0.00 2 **** 240
			PLATES GRIP
			MT20 197/144
			Weight: 17 lb FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud
WEDGE
Left: 2x4 SP or SPF No.3 or Stud

BRACING-

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

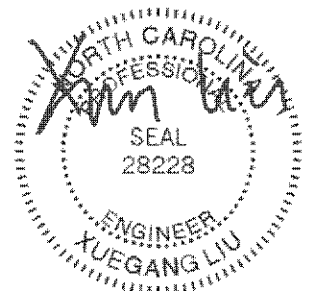
REACTIONS.

(size) 4=Mechanical, 2=0-3-8
Max Horz 2=62(LC 6)
Max Uplift 4=37(LC 10), 2=66(LC 6)
Max Grav 4=134(LC 1), 2=218(LC 1)

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

NOTES- (6-8)

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- 7) Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- 8) Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



January 12, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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TRENCO
A MITTEK AFFILIATE

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	10_Southeast
ORDERS	SE-14635	COMN	1	1	
					Job Reference (optional)

I49147448

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ID:KS_igM7X9ovqwNHjEMQaQEY68xp-kUQ7Ujbrvp9IB0yv7N9rxXiFsh0Tyg0OzYb8JMyBF25

0-11-4 10-0-0 20-0-0 20-11-4
0-11-4 10-0-0 10-0-0 0-11-4

Scale = 1:36.4

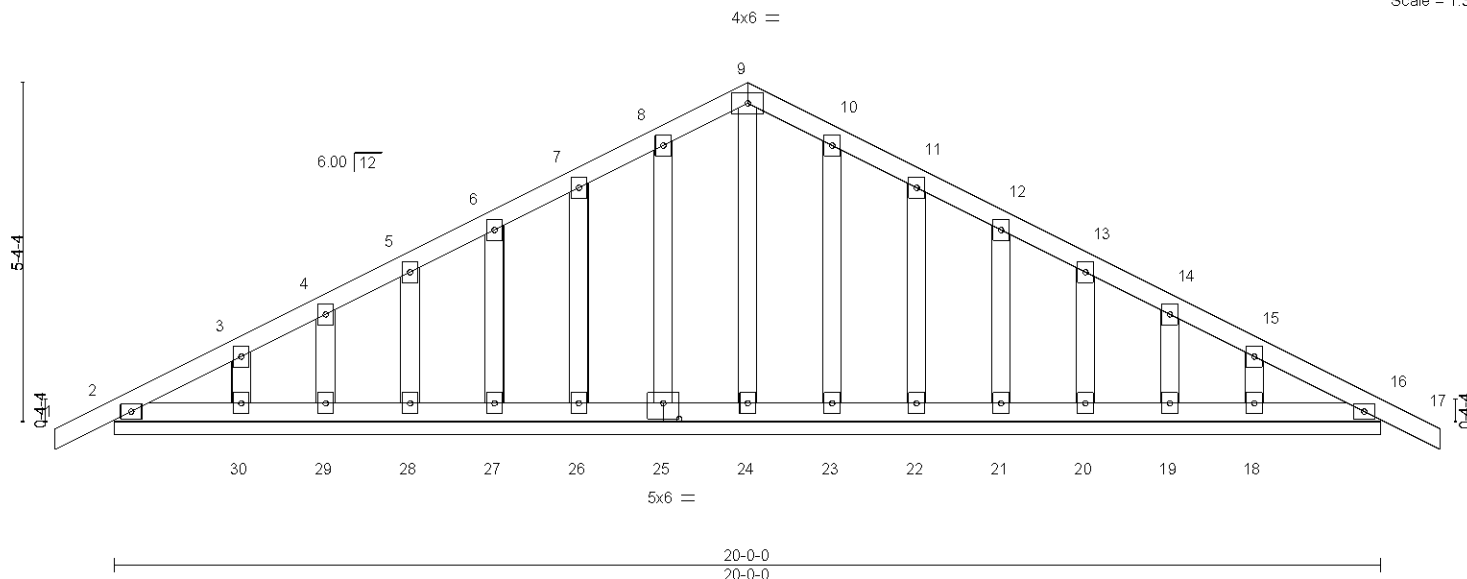


Plate Offsets (X,Y)-- [25:0-3-0,0-3-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	2-0-0	TC 0.06	Vert(LL) -0.00	16	n/r	120		MT20	197/144
TCDL 10.0	Lumber DOL 1.15		BC 0.03	Vert(CT) -0.00	17	n/r	120			
BCLL 0.0 *	Rep Stress Incr YES		WB 0.05	Horz(CT) 0.00	16	n/a	n/a			
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S						Weight: 118 lb	FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3 or 2x4 SPF Stud

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 20-0-0.

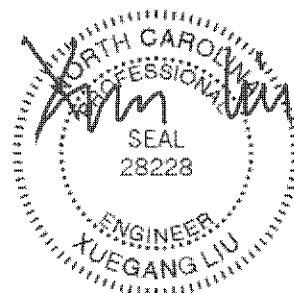
(lb) - Max Horz 2=94(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18, 16

Max Grav All reactions 250 lb or less at joint(s) 2, 24, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18, 16

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.**NOTES-** (10-12)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 3x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 25, 26, 27, 28, 29, 30, 23, 22, 21, 20, 19, 18, 16.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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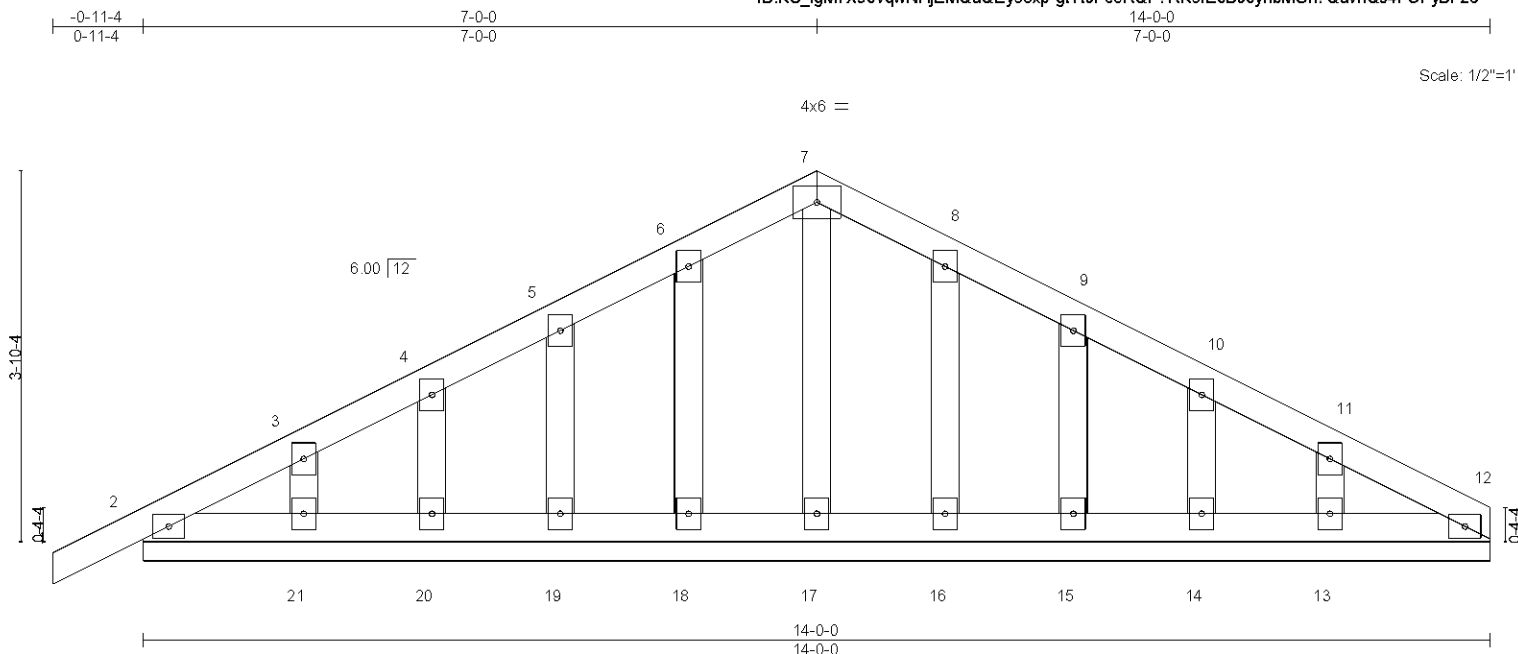
ENGINEERING BY
TRENCO
A MITTEK Affiliate

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	10_Southeast	I49147449
ORDERS	SE-14636	COMN	1	1	Job Reference (optional)	

NVR, Frederick, MD - 21703,

8.530 s Nov 29 2021 MiTek Industries, Inc. Tue Dec 7 20:37:46 2021 Page 1
ID:KS_igM7X9ovqWNIjEMQaQEY68xp-gfYtJPc5RQP?RK6IEoBJ0ynbMUh?QavhQs4FOFyBF23



LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.06	Vert(LL)	-0.00	1	n/r	120	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.02	Vert(CT)	-0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	0.00	12	n/a	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S						Weight: 70 lb	FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
OTHERS 2x4 SP No.3 or 2x4 SPF Stud

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 14-0-0.

(lb) - Max Horz 2=75(LC 14)

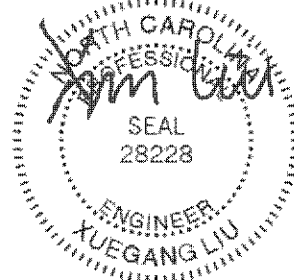
Max Uplift All uplift 100 lb or less at joint(s) 2, 18, 19, 20, 21, 16, 15, 14, 13

Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 21, 16, 15, 14, 13

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 3x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18, 19, 20, 21, 16, 15, 14, 13.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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TRENCO
A MITTEK Affiliate

818 Soundside Road
Edenton, NC 27932

Job ORDERS	Truss SE-16895	Truss Type COMN	Qty 1	Ply 1	10_Southeast	I49170455
Job Reference (optional)						

NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Dec 8 20:43:23 2021 Page 1
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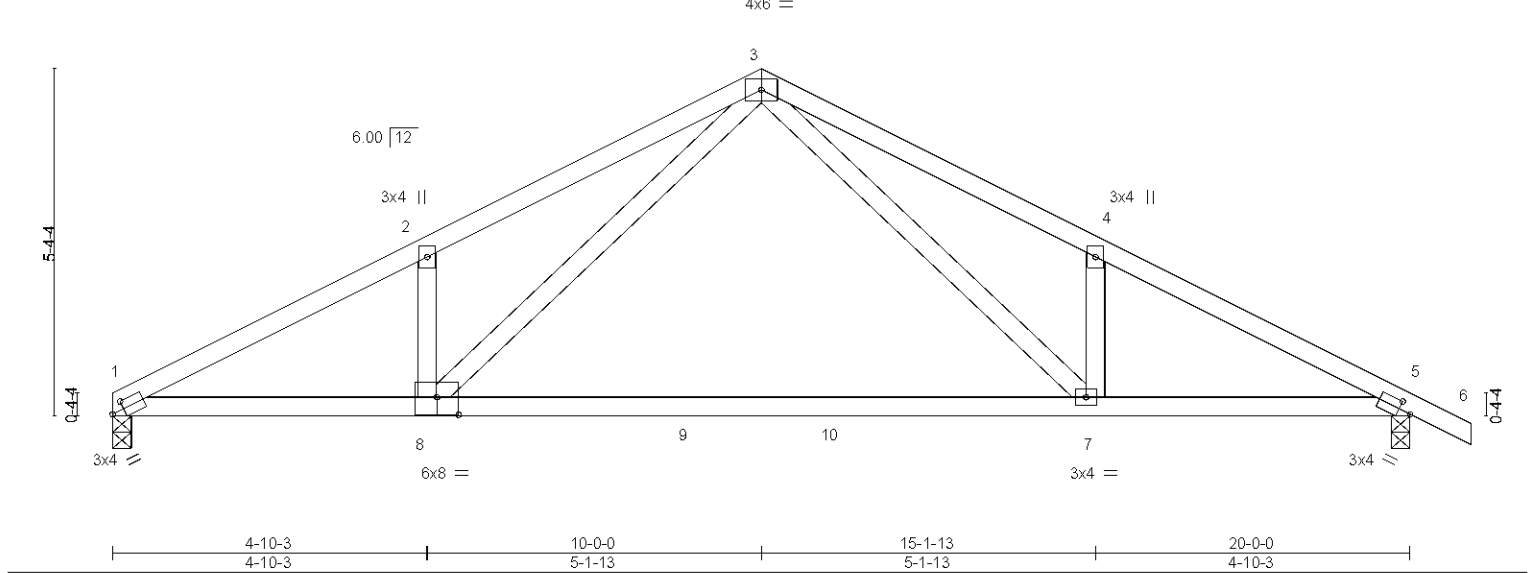


Plate Offsets (X,Y)--		[1:0-2-5,0-1-8], [5:0-2-5,0-1-8], [8:0-4-0,0-3-4]	
LOADING (psf)	SPACING-	2-0-0	CSL
TCLL 20.0	Plate Grip DOL	1.15	TC 0.32
TCDL 10.0	Lumber DOL	1.15	BC 0.81
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.30
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.26 7-8 >925 360
			Vert(CT) -0.54 7-8 >439 240
			Horz(CT) 0.03 5 n/a n/a
			Wind(LL) 0.05 7-8 >999 240
			PLATES
			MT20
			GRIP
			197/144
			Weight: 92 lb FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

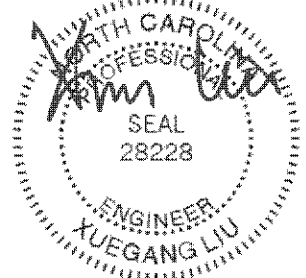
(size) 1=0-3-8, 5=0-3-8
Max Horz 1=101(LC 15)
Max Uplift 1=101(LC 10), 5=126(LC 11)
Max Grav 1=787(LC 1), 5=855(LC 1)

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

TOP CHORD 1-2=1466/148, 2-3=1469/273, 3-4=1456/267, 4-5=1458/143
BOT CHORD 1-8=157/1248, 7-8=46/758, 5-7=57/1238
WEBS 4-7=298/211, 2-8=307/215, 3-8=155/706, 3-7=149/691

NOTES- (6-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=101, 5=126.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

ENGINEERING BY
TRENCO
A MITTEK AFFILIATE

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	10_Southeast	149170456
ORDERS	SE-16896	COMN	1	1	Job Reference (optional)	

NVR. Frederick, MD - 21703.

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Dec 8 20:43:24 2021 Page 1
ID:emnpnr32vll3l8t4xAaRLkkZEGQP-0rbQl8JoWgUuU51eSKKhSFDRt63JHPVl0aJ2lrvAvsN

Scale = 1:35.7

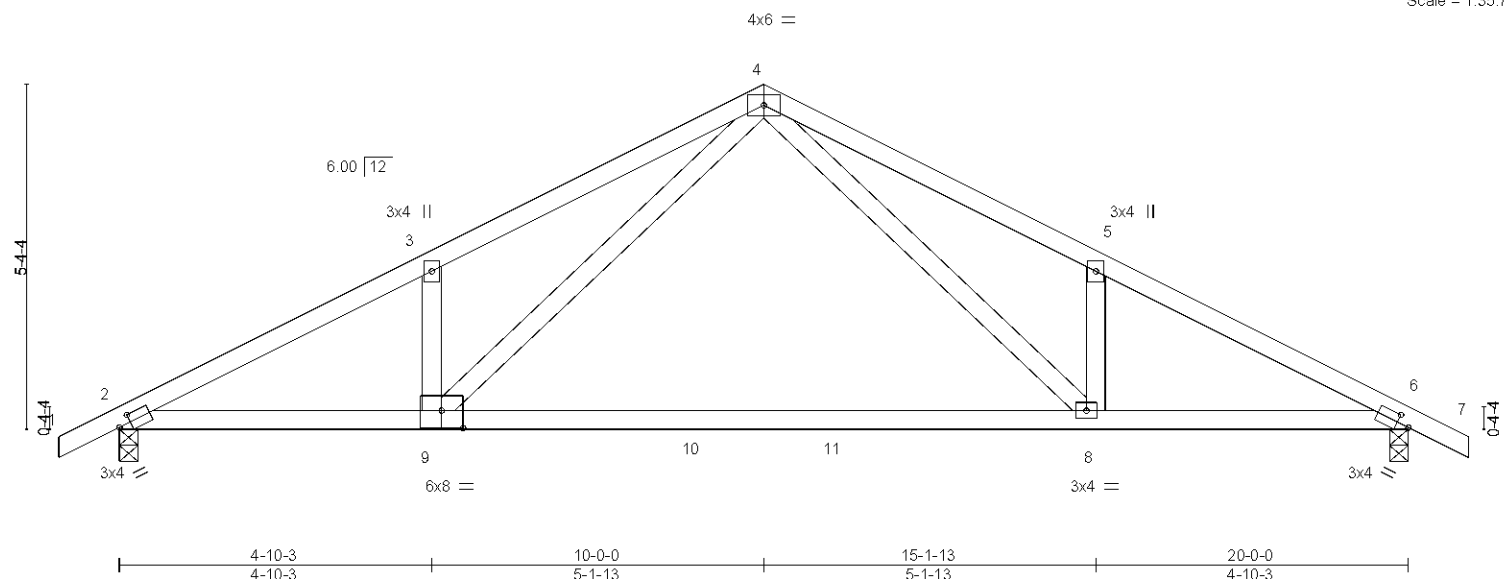


Plate Offsets (X,Y)-- [2:0-2-5,0-1-8], [6:0-2-5,0-1-8], [9:0-4-0,0-3-4]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d					PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.26	8-9	>926	360	MT20	197/144
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.54	8-9	>439	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code IBC2021/TPI2014		Matrix-S		Wind(LL)	0.05	8-9	>999	240	Weight: 94 lb	FT = 5%

LUMBER-

TOP CHORD	2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD	2x4 SP No.2 or 2x4 SPF No.2
WEBS	2x4 SP No.3 or 2x4 SPF Stud

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-5-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

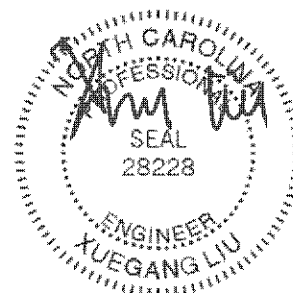
(size) 2=0-3-8, 6=0-3-8
Max Horz 2=94(LC 14)
Max Uplift 2=-126(LC 10), 6=-126(LC 11)
Max Grav 2=853(LC 1), 6=853(LC 1)

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

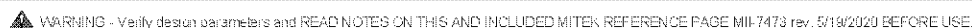
TOP CHORD 2-3=1454/142, 3-4=1452/266, 4-5=1452/266, 5-6=1454/142
 BOT CHORD 2-9=151/1234, 8-9=45/754, 6-8=57/1234
 WEBS 5-8=297/211, 3-9=297/211, 4-9=149/691, 4-8=149/691

NOTES- (6-8)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDEL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=126, 6=126.
- 6) Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- 7) Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- 8) Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



January 12, 2022



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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

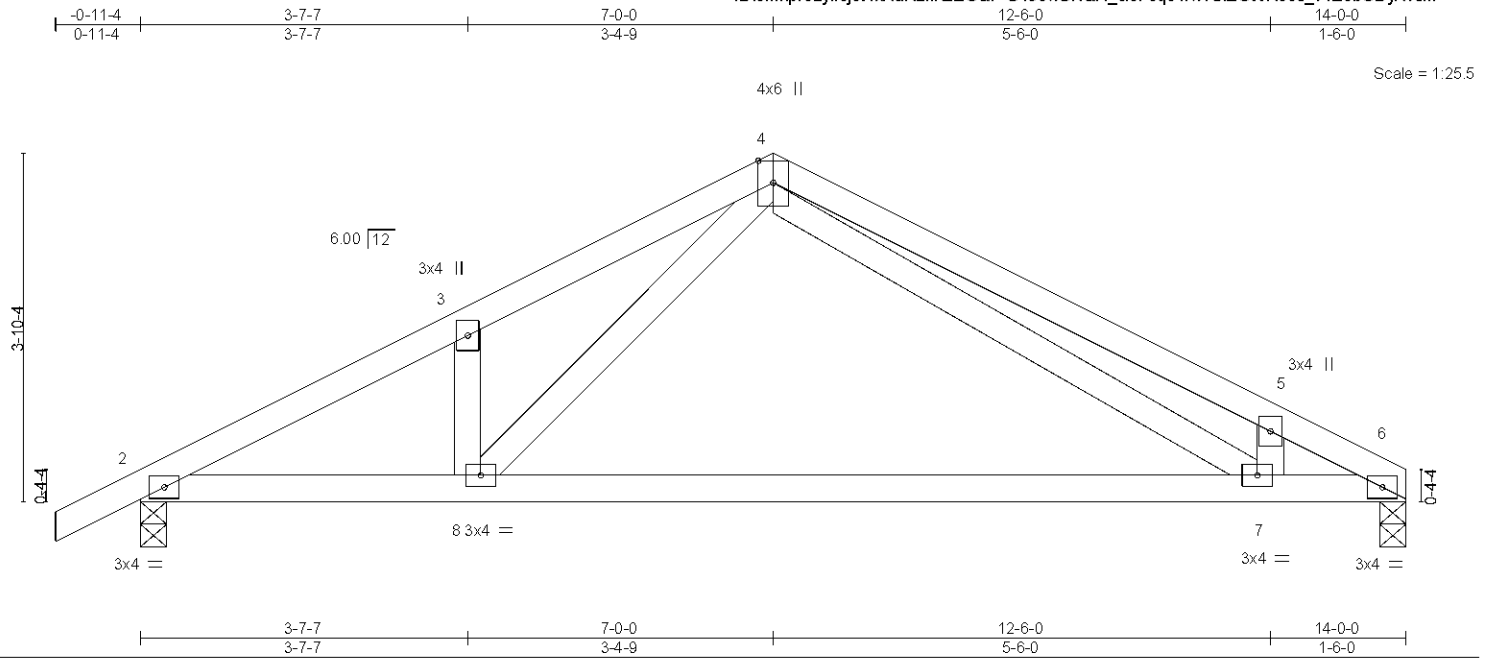
ENGINEERING BY
TRENCO
A Miltac Affiliat

818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	10_Southeast	149170457
ORDERS	SE-16897	COMN	1	1	Job Reference (optional)	

NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Dec 8 20:43:25 2021 Page 1
ID:emnpr32yll3j8t4xAaRLkKzEGQP-U19owUKQH_cl5Fcq01rw?SIZGWR30s_v1E3bGDyAvsm



LOADING (psf)	SPACING-		CSL	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.46	Vert(LL)	-0.14	7-8	>999	360	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.65	Vert(CT)	-0.30	7-8	>555	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.01	6	n/a	n/a		
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S	Wind(LL)	0.04	7-8	>999	240	Weight: 65 lb	FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

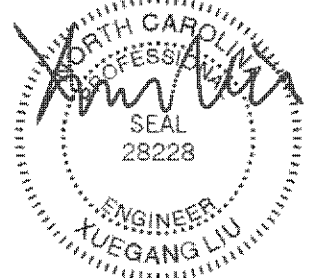
(size) 2=0-3-8, 6=0-3-8
Max Horz 2=75(LC 14)
Max Uplift 2=-95(LC 10), 6=-70(LC 11)
Max Grav 2=616(LC 1), 6=546(LC 1)

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

TOP CHORD 2-3=-994/78, 3-4=-966/161, 4-5=-1248/219, 5-6=-1203/87
BOT CHORD 2-8=-87/830, 7-8=-38/524, 6-7=-92/1050
WEBS 4-8=-70/469, 4-7=-129/657

NOTES- (6-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



January 12, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MIT-7473 rev. 5/19/2020 BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

ENGINEERING BY
TRENCO
A MITTEK Affiliate

818 Soundside Road
Edenton, NC 27932

Job ORDERS	Truss SE-17194	Truss Type COMN	Qty 1	Ply 1	10_Southeast	I49171116
Job Reference (optional)						

NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Dec 8 22:07:44 2021 Page 1
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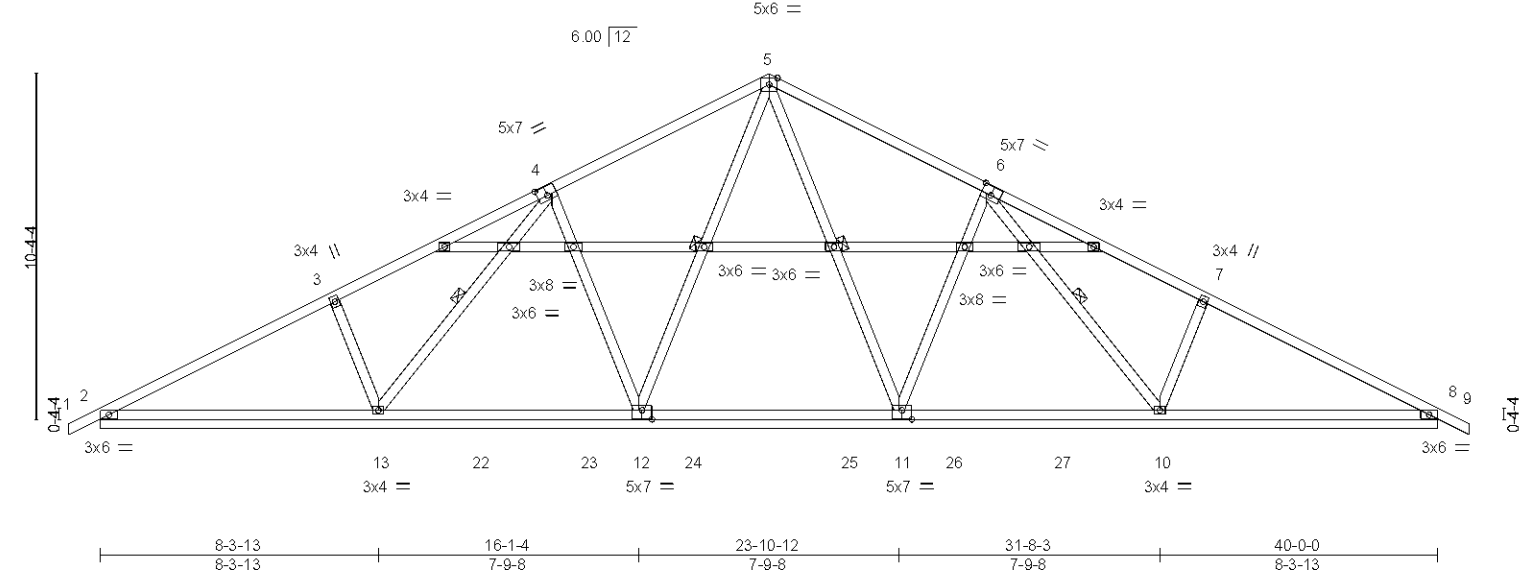
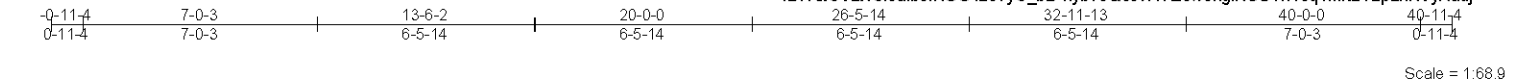


Plate Offsets (X,Y)-- [4:0-3-8,0-3-4], [6:0-3-8,0-3-4], [11:0-3-8,0-3-4], [12:0-3-8,0-3-4]						
LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	in (loc)	l/defl
TCLL 20.0	Plate Grip DOL	1.15	TC 0.62	Vert(LL)	0.03	9 n/r
TCDL 10.0	Lumber DOL	1.15	BC 0.58	Vert(CT)	0.08	9 n/r
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.31	Horz(CT)	0.01	8 n/a
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S			
				PLATES	GRIP	
				MT20	197/144	
				Weight: 245 lb FT = 5%		

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud

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.
WEBS 1 Row at midpt 4-13, 5-12, 5-11, 6-10

REACTIONS.

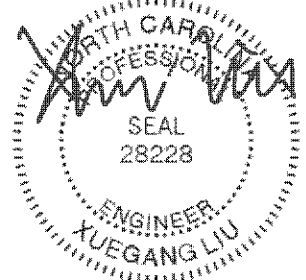
All bearings 40-0-0.
(lb) - Max Horz 2=180(LC 15)
Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 8 except 13=168(LC 10), 12=110(LC 10), 10=174(LC 11)
Max Grav All reactions 250 lb or less at joint(s) except 2=343(LC 23), 13=718(LC 23), 12=672(LC 17), 11=665(LC 2), 10=718(LC 24), 8=343(LC 24)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-13=399/240, 4-12=279/210, 6-11=279/206, 7-10=399/239

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 8 except (jt=lb) 13=168, 12=110, 10=174.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.
- Framing and bracing of the gable end frame shall be provided by the building designer.



January 12,2022

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

ENGINEERING BY
TRENCO
A MITTEK AFFILIATE

818 Soundside Road
Edenton, NC 27932

Job ORDERS	Truss SE-17195	Truss Type SPEC	Qty 1	Ply 1	10_Southeast	I49171117
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NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Dec 8 22:07:48 2021 Page 1

ID:emnp32yll3j8t4xAaRLkKZEQOP-akvUof8zW2gvYNTvbOKcOynSRO7nXW8GR0?TGyAudf

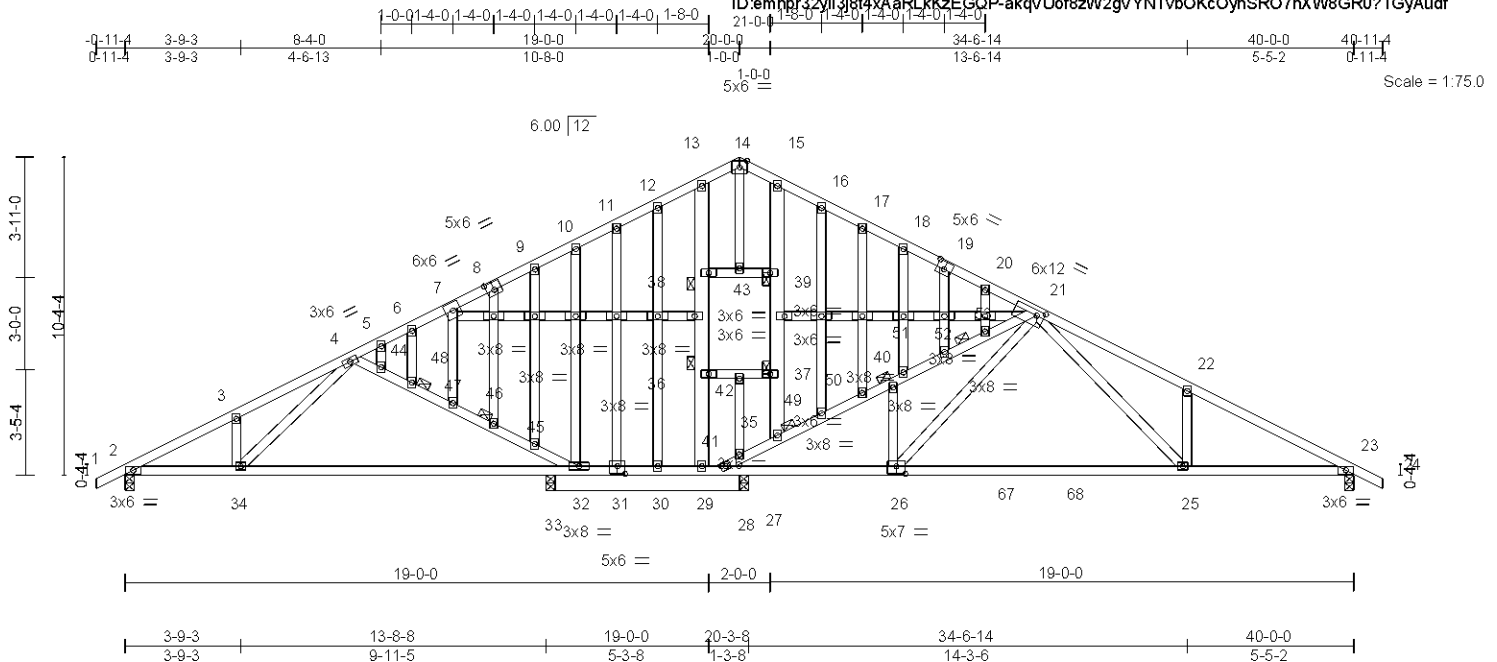


Plate Offsets (X,Y)-- [8:0-3-0,0-3-0], [19:0-3-0,0-3-0], [21:0-3-0,0-2-0], [26:0-3-8,0-3-0], [31:0-3-0,0-3-0]					
LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	PLATES
TCLL 20.0	Plate Grip DOL 1.15		TC 0.53	in (loc) l/defl L/d	MT20
TCDL 10.0	Lumber DOL 1.15		BC 0.81	Vert(LL) -0.19 25-26 >999 360	GRIP 197/144
BCLL 0.0 *	Rep Stress Incr YES		WB 0.91	Vert(CT) -0.41 25-26 >577 240	
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S	Horz(CT) 0.04 23 n/a n/a	
				Wind(LL) 0.06 25-26 >999 240	Weight: 361 lb FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
 BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
 WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*
 21-28,4-32,36-37,38-39,3-34,21-26,26-40,21-25,22-25,4-34,41-42
 14-43: 2x4 SP No.3 or 2x4 SPF Stud
 13-29,15-35: 2x6 SP No.2
 OTHERS 2x4 SP No.3 or 2x4 SPF Stud

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 21-40
 JOINTS 1 Brace at Jt(s): 35, 36, 37, 38, 39, 40, 46, 48

REACTIONS.

All bearings 6-7-0 except (jt=length) 2=0-3-8, 23=0-3-8, 27=0-3-8, 33=0-3-8.
 (lb) - Max Horz 2=180(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 29, 31, 27 except 28=148(LC 11),
 32=537(LC 10), 23=157(LC 11), 30=116(LC 24)
 Max Grav All reactions 250 lb or less at joint(s) 31, 27 except 2=544(LC 23),
 28=633(LC 2), 32=409(LC 1), 29=525(LC 1), 23=823(LC 24), 33=733(LC 3)

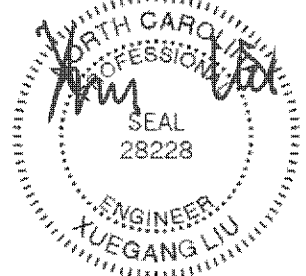
FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=840/0, 3-4=802/63, 9-10=79/287, 12-13=0/299, 21-22=1329/329,
 22-23=1341/211
 BOT CHORD 2-34=112/692, 33-34=99/391, 32-33=99/391, 31-32=224/265, 30-31=224/265,
 29-30=224/265, 28-29=243/270, 27-28=74/1098, 26-27=74/1098, 25-26=8/681,
 23-25=108/1127
 WEBS 28-41=1455/389, 35-41=1425/381, 35-49=1368/386, 49-50=1363/373,
 40-50=1323/351, 40-51=1453/423, 51-52=1374/379, 52-53=1357/367,
 21-53=1340/362, 4-44=598/267, 44-48=552/240, 47-48=582/258, 46-47=588/262,
 45-46=623/284, 32-45=590/264, 29-36=450/17, 36-38=484/18, 13-38=454/33,
 21-26=89/622, 26-40=314/173, 21-25=147/658, 22-25=297/202, 4-34=17/517,
 10-32=426/263

NOTES-

- (9-11)
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed;
 MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces &
 MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 3x4 MT20 unless otherwise indicated.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in 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.

Continued on page 2.



January 12, 2022

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MITTEK Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	10_Southeast	I49171117
ORDERS	SE-17195	SPEC	1	1	Job Reference (optional)	

NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Dec 8 22:07:48 2021 Page 2
ID:emnp32yll3j8t4xAaRLkKzEGQP-akqVUof8zW2gVYNTvbOKcOynSRO7nXW8GR0?TGyAudf

NOTES- (9-11)

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 29, 31, 27 except (jt=lb) 28=148, 32=537, 23=157, 30=116.
- 9) Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- 10) Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- 11) Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 5/19/2020 BEFORE USE.

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Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**

ENGINEERED BY
TRENCO
A MITEK Affiliate

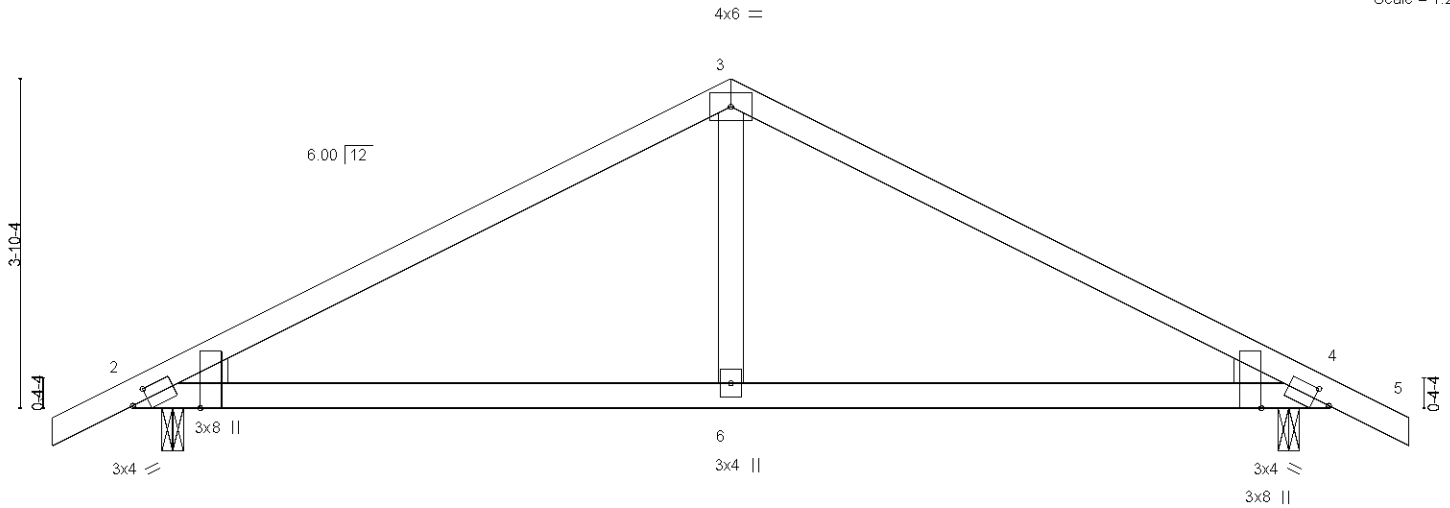
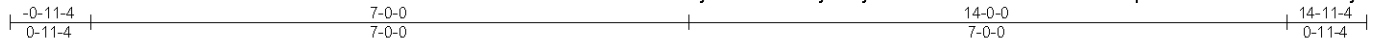
818 Soundside Road
Edenton, NC 27932

Job ORDERS	Truss SE-18660	Truss Type COMN	Qty 1	Ply 1	10_Southeast	I49194704
Job Reference (optional)						

NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MITek Industries, Inc. Thu Dec 9 21:29:23 2021 Page 1

ID:ysQ2IfleTUPclEylvGcyuSzmZKC-zZQCEhK6RnaGTWYH?pOoV4PzwezduFJBtWRZUyAa5g



0-4-2		7-0-0		13-7-14		14-0-0			
0-4-2		6-7-14		6-7-14		0-4-2			
Plate Offsets (X,Y)-- [2:0-2-5,0-1-8], [2:0-0-5,Edge], [4:0-2-5,0-1-8], [4:0-0-5,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 0.73		Vert(LL) -0.05 2-6 >999 360		MT20	197/144
TCDL 10.0		Lumber DOL 1.15		BC 0.54		Vert(CT) -0.12 2-6 >999 240			
BCLL 0.0 *		Rep Stress Incr YES		WB 0.13		Horz(CT) 0.01 4 n/a n/a			
BCDL 10.0		Code IBC2021/TPI2014		Matrix-S		Wind(LL) 0.05 2-6 >999 240		Weight: 54 lb	FT = 5%

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud
WEDGE

Left: 2x4 SP or SPF No.3 or Stud, Right: 2x4 SP or SPF No.3 or Stud

REACTIONS.

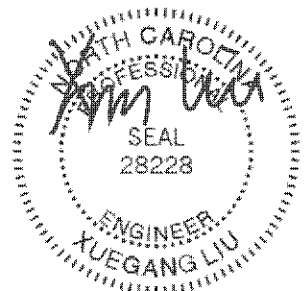
(size) 2=0-3-0, 4=0-3-0
Max Horz 2=-68(LC 15)
Max Uplift 2=-95(LC 10), 4=-95(LC 11)
Max Grav 2=614(LC 1), 4=614(LC 1)

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

TOP CHORD 2-3=-780/95, 3-4=-780/95
BOT CHORD 2-6=-22/612, 4-6=-22/612
WEBS 3-6=0/335

NOTES- (6-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



January 12, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

ENGINEERING BY
TRENCO
A MITEK Affiliate

818 Soundside Road
Edenton, NC 27932

Job ORDERS	Truss SE-18661	Truss Type COMN	Qty 1	Ply 1	10_Southeast	I49194705
Job Reference (optional)						

NVR, Frederick, MD - 21703,

8.530 s Dec 6 2021 MiTek Industries, Inc. Thu Dec 9 21:29:24 2021 Page 1
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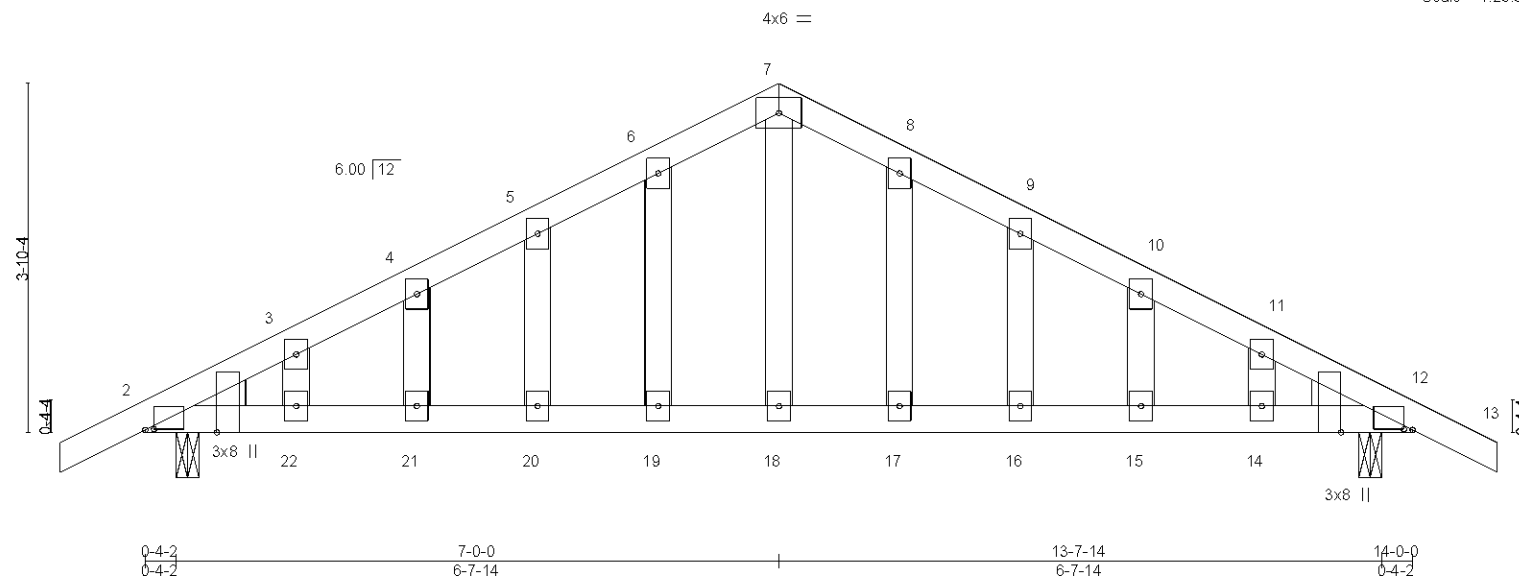


Plate Offsets (X,Y)-- [2:0-1-3,0-0-1], [2:0-0-5,Edge], [12:0-1-3,0-0-1], [12:0-0-5,Edge]							
LOADING (psf)	SPACING	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.34	Vert(LL)	-0.10 15-16	>999	360
TCDL 10.0	Lumber DOL	1.15	BC 0.68	Vert(CT)	-0.16 15-16	>999	240
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.17	Horz(CT)	0.01 12	n/a	n/a
BCDL 10.0	Code IBC2021/TPI2014		Matrix-S	Wind(LL)	0.10 20-21	>999	240
				PLATES	GRIP		
				MT20	197/144		
				Weight: 74 lb		FT = 5%	

LUMBER-

TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2
WEBS 2x4 SP No.3 or 2x4 SPF Stud
OTHERS 2x4 SP No.3 or 2x4 SPF Stud
WEDGE

Left: 2x4 SP or SPF No.3 or Stud, Right: 2x4 SP or SPF No.3 or Stud

BRACING-

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

REACTIONS.

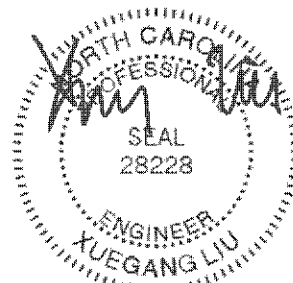
(size) 2=0-3-0, 12=0-3-0
Max Horz 2=68(LC 11)
Max Uplift 2=95(LC 10), 12=95(LC 11)
Max Grav 2=614(LC 1), 12=614(LC 1)

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

TOP CHORD 2-3=783/64, 3-4=736/80, 4-5=713/96, 5-6=691/111, 6-7=685/131, 7-8=685/130,
8-9=691/111, 9-10=713/96, 10-11=736/80, 11-12=783/64
BOT CHORD 2-22=35/634, 21-22=35/634, 20-21=35/634, 19-20=35/634, 18-19=35/634,
17-18=35/634, 16-17=35/634, 15-16=35/634, 14-15=35/634, 12-14=35/634
WEBS 7-18=55/384

NOTES- (9-11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=33ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- All plates are 3x4 MT20 unless otherwise indicated.
- Gable studs spaced at 1-4-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust), wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 115 mph.
- Design checked for ASCE 7-16 ultimate wind speed at 130 mph (3-second gust) meets or exceeds IRC2012 nominal wind speed of 100 mph, wind reaction x 0.78 will adjust wind uplift reaction to a wind speed of 90 mph.
- Metal hangers, of any seat size, can be used in place of wood bearing, of any seat size, provided the hanger has been sized for the required maximum reaction.



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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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