

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 140_1445_A
140.1445.a

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I40567116 thru I40567140

My license renewal date for the state of North Carolina is December 31, 2020.

North Carolina COA: C-0844



March 11,2020

Liu, Xuegang

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

Job 140_1445_A	Truss AE	Truss Type GABLE	Qty 1	Ply 1	140.1445.a	140567116
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84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:51 2020 Page 1

ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-U9bdzHbwXY9V7r6SFRyAMLM2YvqCVPZ?kWMXdOzcGww



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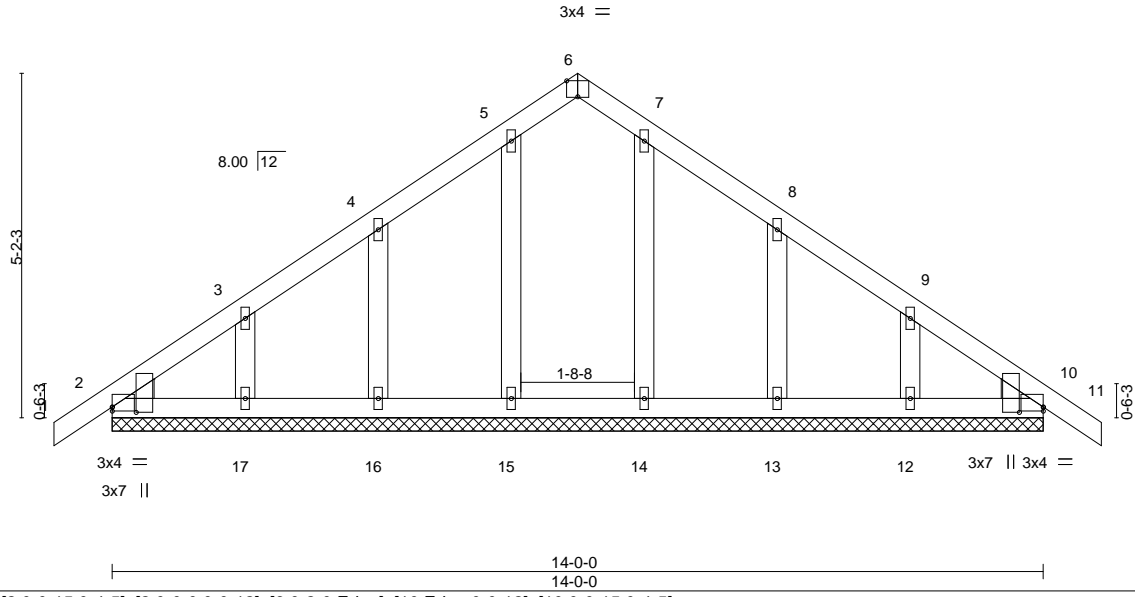


Plate Offsets (X,Y)--	[2:0-0-15,0-4-5], [2:0-0-0,0-0-12], [6:0-2-0,Edge], [10:Edge,0-0-12], [10:0-0-15,0-4-5]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.05	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) -0.00 10 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) -0.00 10 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 10 n/a n/a		
	Code IRC2015/TPI2014			Weight: 74 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.


REACTIONS. All bearings 14-0-0.
(lb) - Max Horz 2=130(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 13, 14, 17, 16, 15
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 12, 13, 14, 17, 16, 15

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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-0-0, Exterior(2) 2-0-0 to 7-0-0, Corner(3) 7-0-0 to 10-0-0, Exterior(2) 10-0-0 to 14-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 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.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 12, 13, 14, 17, 16, and 15. This connection is for uplift only and does not consider lateral forces.



March 11, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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.</p>	<p>ENGINEERING BY</p>  <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 140_1445_A	Truss AG	Truss Type COMMON GIRDER	Qty 1	Ply 3	140.1445.a	140567117
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84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:52 2020 Page 1

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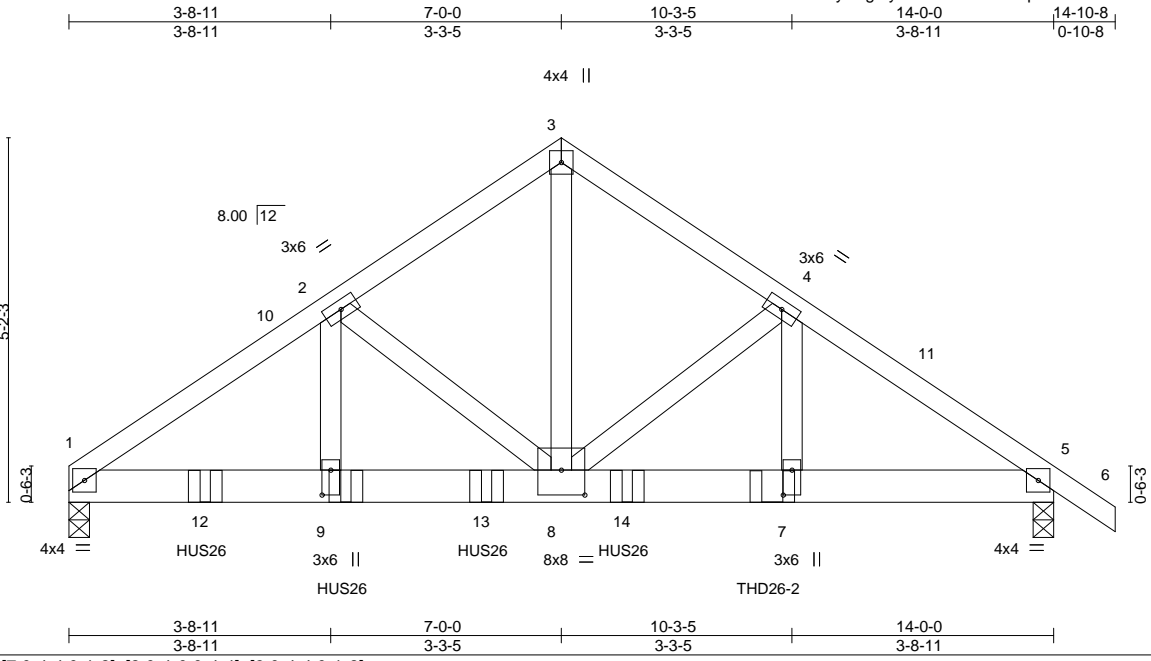


Plate Offsets (X,Y)--	[7:0-4-4,0-1-8], [8:0-4-0,0-4-4], [9:0-4-4,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.31	Vert(LL)	-0.05	7-8	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.98	Vert(CT)	-0.10	7-8	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.85	Horz(CT)	0.03	5	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 253 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 1=0-3-8, 5=0-3-8
 Max Horz 1=-126(LC 10)
 Max Uplift 1=-748(LC 12), 5=-1008(LC 13)
 Max Grav 1=6020(LC 1), 5=5014(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-8644/1146, 2-3=-5843/965, 3-4=-5839/957, 4-5=-8109/1638
 BOT CHORD 1-9=-916/6966, 8-9=-916/6966, 7-8=-1263/6503, 5-7=-1263/6503
 WEBS 3-8=-981/6191, 4-8=-2134/806, 4-7=-842/2661, 2-8=-2724/294, 2-9=-221/3315

- NOTES-**
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 3 rows staggered at 0-4-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-0-0, Exterior(2) 7-0-0 to 10-3-6, Interior(1) 10-3-6 to 14-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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) except (jt=lb) 1=748, 5=1008.
 - Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-4 from the left end to 7-11-4 to connect truss(es) to back face of bottom chord.
 - Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 10-0-0 from the left end to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard



March 11, 2020

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	140.1445.a	I40567117
140_1445_A	AG	COMMON GIRDER	1	3	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:53 2020 Page 2
 ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-QYiNOzcB39PCM9FrMs?eRmSKyjHwz6KHCqreiHzcGvu

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
- Uniform Loads (plf)
 - Vert: 1-3=-60, 3-6=-60, 1-5=-20
- Concentrated Loads (lb)
 - Vert: 7=-2512(B) 9=-1841(B) 12=-1841(B) 13=-1841(B) 14=-1841(B)

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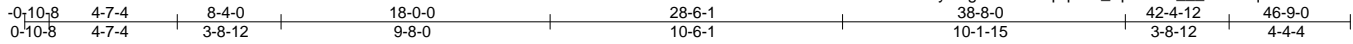
818 Soundside Road
 Edenton, NC 27932

Job 140_1445_A	Truss H1	Truss Type HIP	Qty 1	Ply 1	140.1445.a	140567118
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84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:54 2020 Page 1

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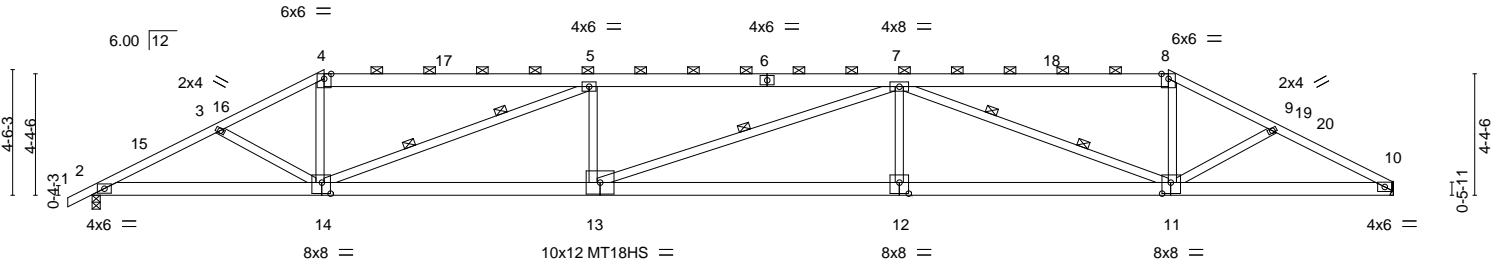


Plate Offsets (X,Y)--	[11:0-3-12,0-4-12], [12:0-4-0,0-4-12], [14:0-3-12,0-4-12]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.41	12-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.42	Vert(CT)	-0.87	12-13	>642	180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.96	Horz(CT)	0.17	10	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S							
									Weight: 289 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6,6-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-8-6 oc purlins, except 2-0-0 oc purlins (2-2-0 max.): 4-8.
BOT CHORD 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied or 9-5-3 oc bracing.
WEBS 2x4 SP No.3 *Except* 5-14,7-11: 2x4 SP No.2	WEBS 1 Row at midpt 7-13 2 Rows at 1/3 pts 5-14, 7-11

REACTIONS. (size) 10=Mechanical, 2=0-3-8
 Max Horz 2=83(LC 12)
 Max Uplift 10=-209(LC 8), 2=-214(LC 9)
 Max Grav 10=1861(LC 1), 2=1924(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3745/556, 3-4=-3567/503, 4-5=-3169/484, 5-7=-5403/863, 7-8=-3121/475,
 8-9=-3515/494, 9-10=-3658/544
 BOT CHORD 2-14=-458/3285, 13-14=-821/5403, 12-13=-792/5394, 11-12=-792/5394, 10-11=-439/3186
 WEBS 4-14=-74/1155, 5-14=-2483/495, 5-13=0/414, 7-12=0/421, 7-11=-2523/499,
 8-11=-73/1136

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-4-0, Exterior(2) 8-4-0 to 12-6-15, Interior(1) 12-6-15 to 38-8-0, Exterior(2) 38-8-0 to 42-10-15, Interior(1) 42-10-15 to 46-8-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=209.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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TRENCO
 A MiTek Affiliate

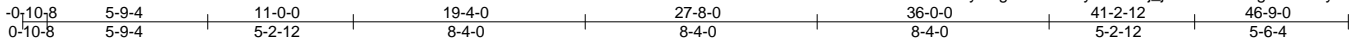
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567119
140_1445_A	H2	HIP	1	1		
Job Reference (optional)						

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:59 2020 Page 1

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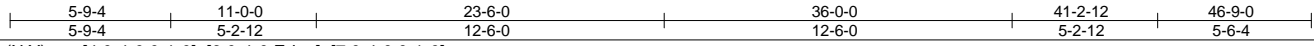
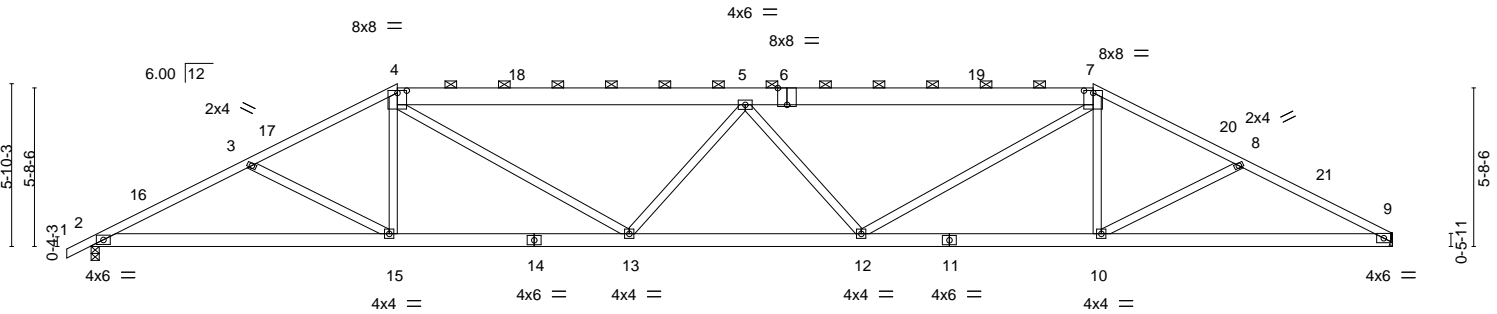


Plate Offsets (X, Y)-- [4:0-4-0,0-1-0], [6:0-4-0,Edge], [7:0-4-0,0-1-0]

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 0.69	Vert(LL)	-0.27	12-13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.56	12-13	>990		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.59	Horz(CT)	0.16	9	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 303 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6,6-7: 2x8 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-3-11 oc purlins, except
BOT CHORD 2x6 SP No.2	2-0-0 oc purlins (3-2-11 max.): 4-7.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 9-4-10 oc bracing.

REACTIONS. (size) 9=Mechanical, 2=0-3-8
 Max Horz 2=105(LC 12)
 Max Uplift 9=161(LC 8), 2=-166(LC 9)
 Max Grav 9=1861(LC 1), 2=1924(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3672/557, 3-4=-3365/484, 4-5=-3981/584, 5-7=-3967/577, 7-8=-3333/477, 8-9=-3592/548
 BOT CHORD 2-15=-448/3218, 13-15=-321/2969, 12-13=-619/4367, 10-12=-287/2941, 9-10=-434/3142
 WEBS 3-15=-274/223, 4-15=0/466, 4-13=-246/1289, 5-13=-690/291, 5-12=-704/292, 7-12=-247/1309, 7-10=0/444

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 36-0-0, Exterior(2) 36-0-0 to 40-2-15, Interior(1) 40-2-15 to 46-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=161.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567120
140_1445_A	H3	HIP	1	1		

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:00 2020 Page 1

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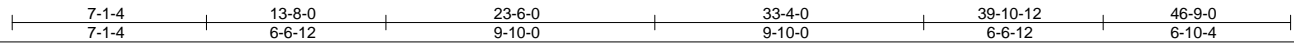
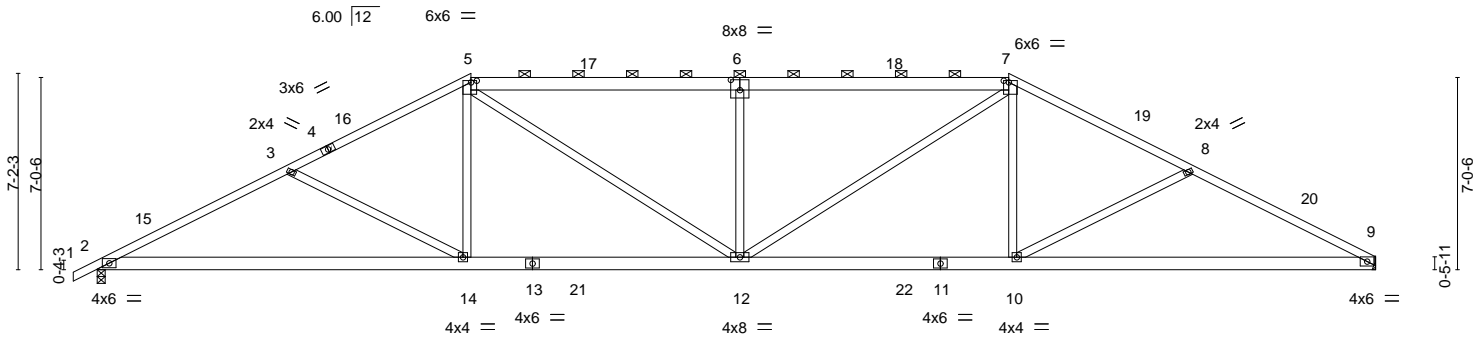


Plate Offsets (X, Y)--	[5:0-2-8,0-0-12], [6:0-4-0,0-4-8], [7:0-2-4,0-0-12]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.92	Vert(LL) -0.29 2-14 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 1.00	Vert(CT) -0.65 2-14 >858 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.69	Horz(CT) 0.14 9 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 285 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied, except
5-6,6-7: 2x6 SP No.2, 7-9: 2x4 SP No.1	2-0-0 oc purlins (3-0-12 max.): 5-7.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 9=Mechanical, 2=0-3-8
 Max Horz 2=127(LC 12)
 Max Uplift 9=135(LC 13), 2=159(LC 12)
 Max Grav 9=1861(LC 1), 2=1924(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3580/546, 3-5=-3147/454, 5-6=-3398/562, 6-7=-3398/562, 7-8=-3127/448, 8-9=-3523/541
 BOT CHORD 2-14=-426/3124, 12-14=-236/2735, 10-12=-225/2719, 9-10=-416/3079
 WEBS 3-14=-431/286, 5-14=0/617, 5-12=-256/945, 6-12=-762/321, 7-12=-255/961, 7-10=0/601, 8-10=-401/292

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-8-0, Exterior(2) 13-8-0 to 17-10-15, Interior(1) 17-10-15 to 33-4-0, Exterior(2) 33-4-0 to 37-6-15, Interior(1) 37-6-15 to 46-8-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=135.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567121
140_1445_A	H4	HIP	1	1		

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:01 2020 Page 1

ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-B4BP3ijCBcP4KNtNqX8WmSnb2x4arnFT23n3_pzcGvm



Scale = 1:82.8

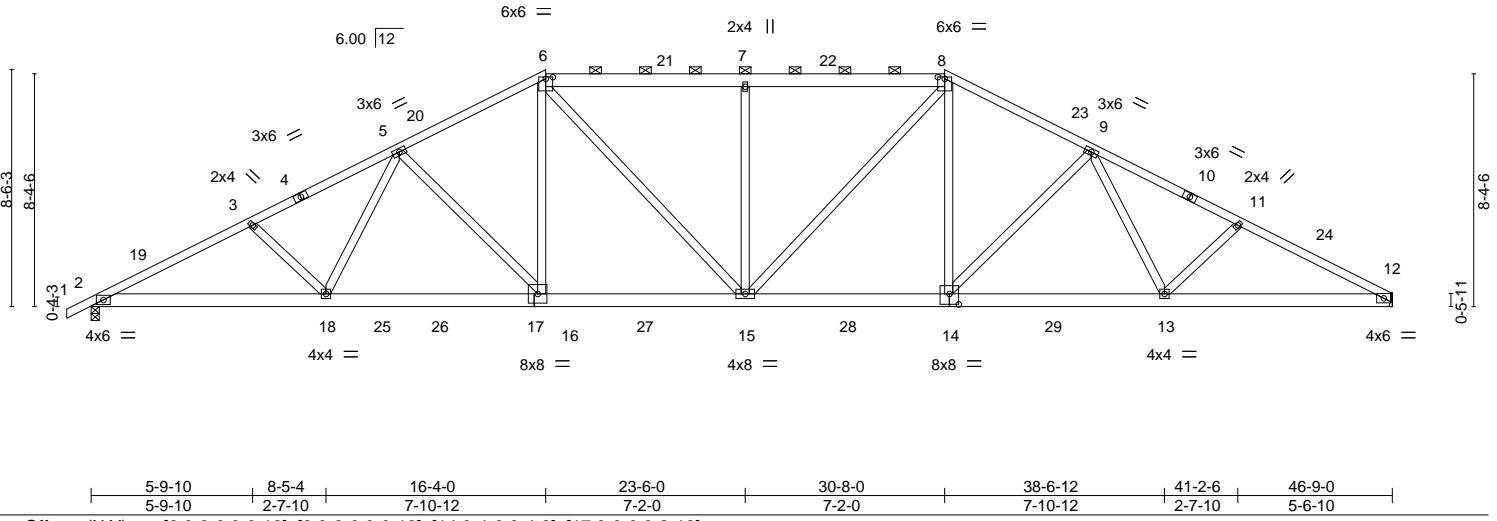


Plate Offsets (X,Y)--	[6:0-3-0,0-0-12], [8:0-3-0,0-0-12], [14:0-4-0,0-4-8], [17:0-0-0,0-2-12]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.69	Vert(LL)	-0.22	15-16	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.73	Vert(CT)	-0.43	15-16	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.67	Horz(CT)	0.14	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 312 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 6-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-3-2 oc purlins, except 2-0-0 oc purlins (4-1-10 max.): 6-8.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 12=Mechanical
 Max Horz 2=150(LC 16)
 Max Uplift 2=-186(LC 12), 12=-162(LC 13)
 Max Grav 2=1924(LC 1), 12=1861(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3698/476, 3-5=-3457/467, 5-6=-2865/465, 6-7=-2835/492, 7-8=-2835/492,
 8-9=-2896/460, 9-11=-3428/462, 11-12=-3634/476
 BOT CHORD 2-18=-375/3237, 16-18=-294/2855, 15-16=-195/2518, 14-15=-185/2543, 13-14=-282/2856,
 12-13=-361/3165
 WEBS 5-16=-539/209, 6-16=-65/630, 8-14=-65/672, 9-14=-515/207, 6-15=-154/622,
 8-15=-154/635, 7-15=-572/234, 9-13=-36/431, 11-13=-262/188, 5-18=-36/463,
 3-18=-300/186

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-4-0, Exterior(2) 16-4-0 to 20-6-15, Interior(1) 20-6-15 to 30-8-0, Exterior(2) 30-8-0 to 34-10-15, Interior(1) 34-10-15 to 46-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=162.
 - 8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

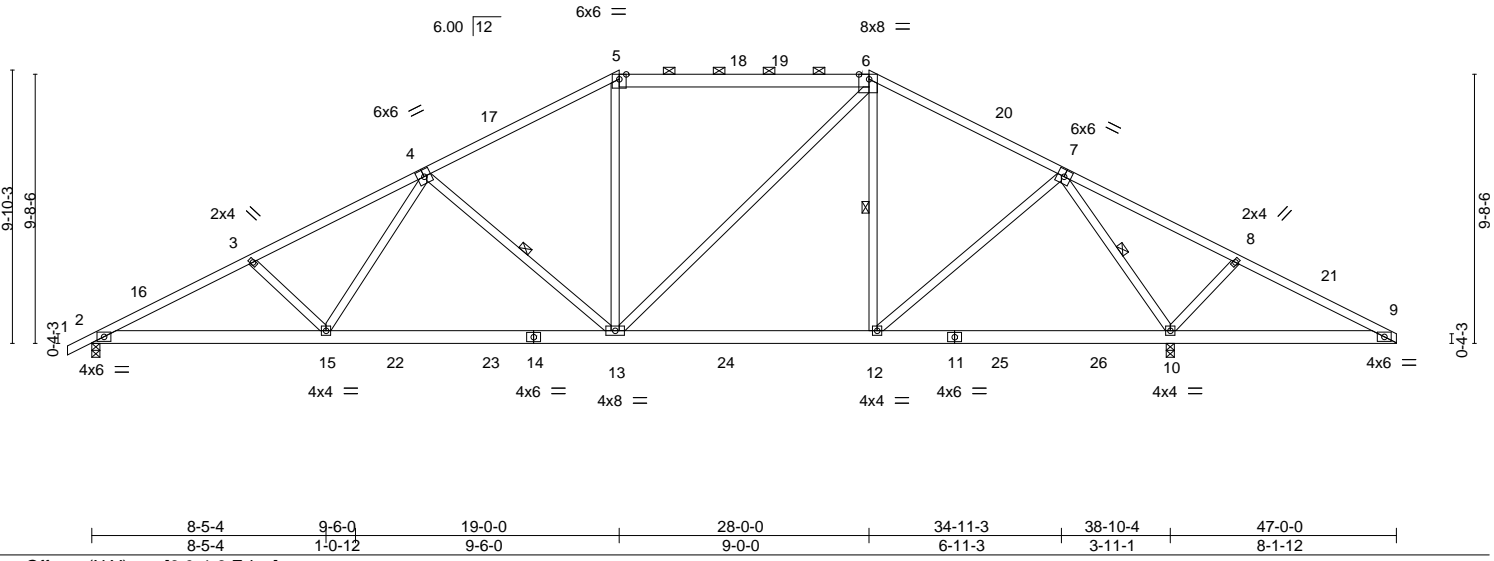


March 11, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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.</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567122
140_1445_A	H5	HIP	1	1		
84 Components (Dunn), Dunn, NC - 28334,						8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:02 2020 Page 1
-0-10-8 5-9-10 9-6-0 12-0-13 19-0-0 23-6-0 28-0-0 34-11-3 38-10-4 41-2-6 47-0-0						ID:IPzHts0ReLOVUWCHSrvZPyHLgv-gGlnH2jqxwXxxXRZOFfJgKmeLRMaEZcGjWdWFzcGvl
0-10-8 5-9-10 3-8-6 2-6-13 6-11-3 4-6-0 4-6-0 6-11-3 3-11-1 2-4-2 5-9-10						

Scale = 1:83.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.70	Vert(LL) -0.16 13-15 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.63	Vert(CT) -0.32 13-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.66	Horz(CT) 0.06 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 298 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 5-6: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except 2-0-0 oc purlins (4-3-8 max.): 5-6.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.
WEBS 2x4 SP No.3 *Except* 6-13: 2x4 SP No.2	WEBS 1 Row at midt 6-12, 7-10, 4-13

REACTIONS.	(size) 2=0-3-8, 10=0-3-8 (req. 0-3-9) Max Horz 2=172(LC 12) Max Uplift 2=-203(LC 12), 10=-229(LC 13) Max Grav 2=1542(LC 1), 10=2268(LC 1)
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FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2878/361, 3-4=-2629/334, 4-5=-1792/272, 5-6=-1536/288, 6-7=-1401/189, 7-8=-367/777, 8-9=-351/516
BOT CHORD	2-15=-413/2507, 13-15=-259/2015, 12-13=0/1193, 10-12=-3/601, 9-10=-384/354
WEBS	5-13=0/399, 6-12=-319/211, 6-13=-143/592, 7-12=-103/789, 7-10=-2113/495, 3-15=-325/199, 4-15=-27/568, 4-13=-679/265, 8-10=-354/208

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 19-0-0, Exterior(2) 19-0-0 to 23-2-15, Interior(1) 23-2-15 to 28-0-0, Exterior(2) 28-0-0 to 32-2-15, Interior(1) 32-2-15 to 47-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - WARNING: Required bearing size at joint(s) 10 greater than input bearing size.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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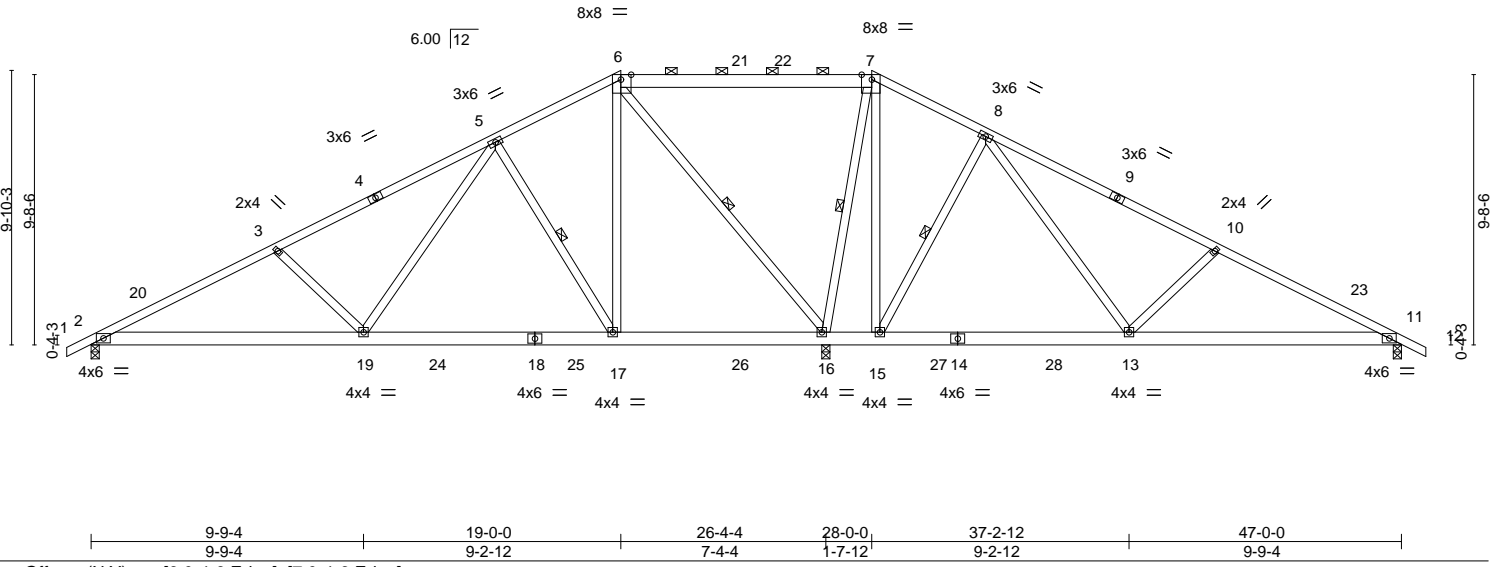
Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567123
140_1445_A	H8	HIP	1	1		
84 Components (Dunn), Dunn, NC - 28334,						Job Reference (optional)

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:04 2020 Page 1

ID: IAPzHts0RelOVUWCHSrvZPyHLgv-ctfXikl4TXoeBrbyWfthDO5P5K9Ar235vk1?jb8zcGvj

-0-10-8	6-8-5	9-9-4	12-10-3	14-6-0	19-0-0	23-6-0	28-0-0	32-1-0	34-1-13	40-3-11	47-0-0	47-10-8
0-10-8	6-8-5	3-0-15	3-0-15	1-7-13	4-6-0	4-6-0	4-6-0	4-1-0	2-0-13	6-1-14	6-8-5	0-10-8

Scale = 1:82.6



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 0.75	Vert(LL)	-0.09	17-19	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.44	Vert(CT)	-0.16	2-19	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.98	Horz(CT)	0.02	16	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 316 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 6-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-16, 7-16, 5-17, 8-15

REACTIONS. (size) 2=0-3-8, 16=0-3-8 (req. 0-4-0), 11=0-3-8
 Max Horz 2=-165(LC 17)
 Max Uplift 2=-139(LC 12), 16=-159(LC 12), 11=-132(LC 13)
 Max Grav 2=874(LC 23), 16=2569(LC 2), 11=592(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1365/235, 3-5=-1056/198, 6-7=0/859, 7-8=-6/733, 8-10=-437/185, 10-11=-752/223
 BOT CHORD 2-19=-285/1155, 17-19=-58/510, 16-17=-93/301, 15-16=-627/259, 13-15=-364/177,
 11-13=-112/610
 WEBS 3-19=-442/261, 6-17=-122/845, 6-16=-1420/203, 7-16=-1269/206, 7-15=-151/665,
 10-13=-462/271, 5-17=-675/263, 5-19=-81/648, 8-15=-687/275, 8-13=-90/691

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 19-0-0, Exterior(2) 19-0-0 to 23-2-15, Interior(1) 23-2-15 to 28-0-11, Exterior(2) 28-0-11 to 32-1-0, Interior(1) 32-1-0 to 47-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - WARNING: Required bearing size at joint(s) 16 greater than input bearing size.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 16, and 11. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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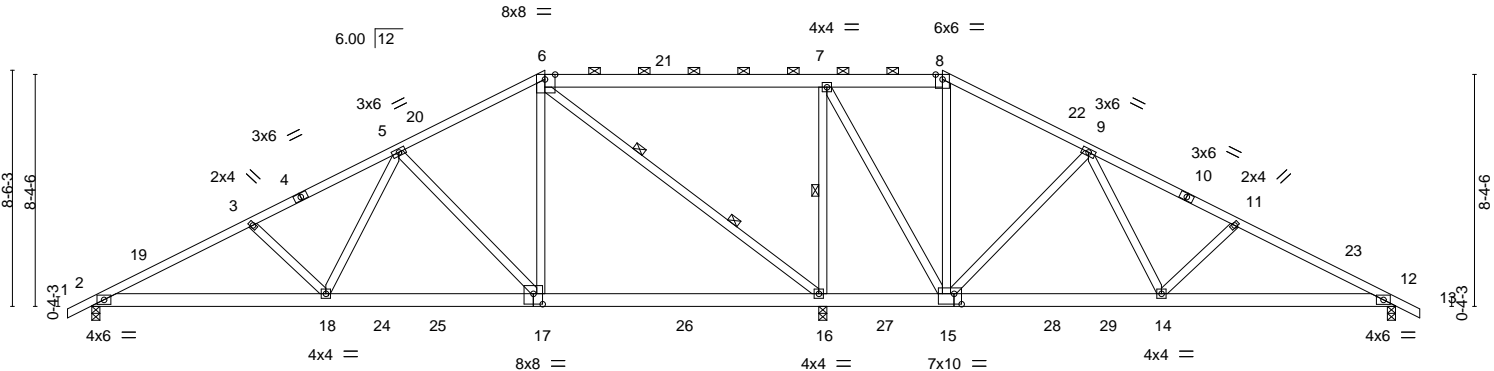
Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567124
140_1445_A	H9	HIP	1	1		
84 Components (Dunn), Dunn, NC - 28334,						Job Reference (optional)

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:05 2020 Page 1

ID:IPzHts0ReLOVUWCHSrvZPyHLgv-4rRvw4miErwVo?A83NCSxlyHGYWtnaj3yhlH7azcGvi

-0-10-8	5-9-11	11-0-13	16-4-0	23-6-0	26-4-4	30-8-0	35-11-3	41-2-5	47-0-0	47-10-8
0-10-8	5-9-11	5-3-3	5-3-3	7-2-0	2-10-4	4-3-12	5-3-3	5-3-3	5-9-11	0-10-8

Scale = 1:83.1



	8-5-4	16-4-0	21-4-2	26-4-4	30-8-0	38-6-12	47-0-0
	8-5-4	7-10-12	5-0-2	5-0-2	4-3-12	7-10-12	8-5-4
Plate Offsets (X,Y)--	[6:0-4-6,Edge], [15:0-3-4,0-4-8], [17:0-4-0,0-4-8]						

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)	-0.07	16-17	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.39	Vert(CT)	-0.14	16-17	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.02	12	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 315 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 6-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-5-14 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-8.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 6-16: 2x4 SP No.2	WEBS 1 Row at midpt 7-16 2 Rows at 1/3 pts 6-16

REACTIONS. (size) 2=0-3-8, 16=0-3-8 (req. 0-3-13), 12=0-3-8
 Max Horz 2=142(LC 12)
 Max Uplift 2=-142(LC 12), 16=-99(LC 12), 12=-140(LC 13)
 Max Grav 2=916(LC 23), 16=2422(LC 1), 12=639(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1484/233, 3-5=-1237/205, 5-6=-591/166, 6-7=0/717, 7-8=0/314, 8-9=-12/376,
 9-11=-634/197, 11-12=-880/225
 BOT CHORD 2-18=-267/1263, 17-18=-116/846, 16-17=-31/510, 15-16=-715/232, 14-15=-74/298,
 12-14=-118/723
 WEBS 3-18=-319/187, 5-18=-45/466, 6-17=-44/711, 6-16=-1387/170, 7-16=-1374/313,
 7-15=-126/921, 8-15=-284/47, 11-14=-315/187, 9-14=-33/513, 5-17=-574/215,
 9-15=-630/210

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 16-4-0, Exterior(2) 16-4-0 to 20-6-15, Interior(1) 20-6-15 to 30-8-0, Exterior(2) 30-8-0 to 34-10-15, Interior(1) 34-10-15 to 47-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - WARNING: Required bearing size at joint(s) 16 greater than input bearing size.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 16, and 12. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

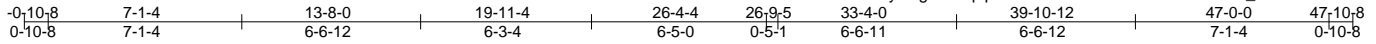
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567125
140_1445_A	H10	HIP	1	1		

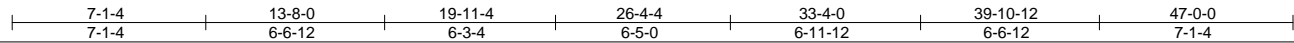
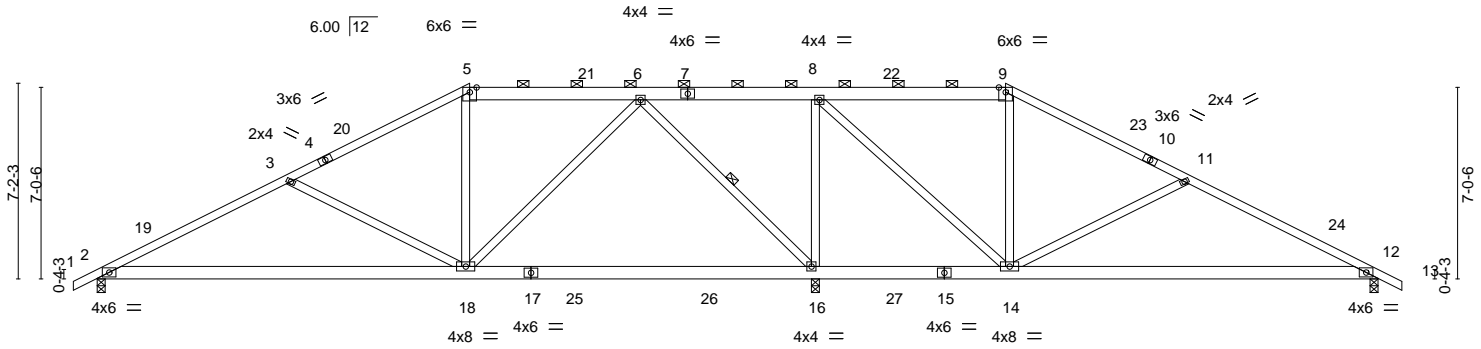
84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:55 2020 Page 1

ID:IAPzHts0ReLQVUWCHSrvZPyHLGv-Nwq7pfeRbmfwcSPDUG16XBxbVW?xR_maf8KIm9zcGvs



Scale = 1:84.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.63	Vert(LL) -0.26 12-14 >944 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.81	Vert(CT) -0.55 12-14 >451 180		
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-S		Weight: 293 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2 *Except*
 7-9,5-7: 2x6 SP No.2
 BOT CHORD 2x6 SP No.2
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-2-12 oc purlins, except
 2-0-0 oc purlins (6-0-0 max.): 5-9.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 14-16.
 WEBS 1 Row at midpt 6-16

REACTIONS. (size) 2=0-3-8, 16=0-3-8 (req. 0-3-10), 12=0-3-8
 Max Horz 2=120(LC 16)
 Max Uplift 2=-136(LC 12), 16=-183(LC 9), 12=-143(LC 13)
 Max Grav 2=942(LC 23), 16=2323(LC 1), 12=675(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1423/261, 3-5=-951/162, 5-6=-767/194, 6-8=0/730, 9-11=-337/131,
 11-12=-819/265
 BOT CHORD 2-18=-239/1201, 16-18=-73/272, 14-16=-730/219, 12-14=-139/664
 WEBS 3-18=-494/289, 8-16=-1229/244, 8-14=-143/1156, 9-14=-300/131, 11-14=-514/287,
 6-18=-46/748, 6-16=-1298/210

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 13-8-0, Exterior(2) 13-8-0 to 17-10-15, Interior(1) 17-10-15 to 33-4-0, Exterior(2) 33-4-0 to 37-6-15, Interior(1) 37-6-15 to 47-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - WARNING: Required bearing size at joint(s) 16 greater than input bearing size.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 16, and 12. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567126
140_1445_A	H11	HIP	1	1		
Job Reference (optional)						

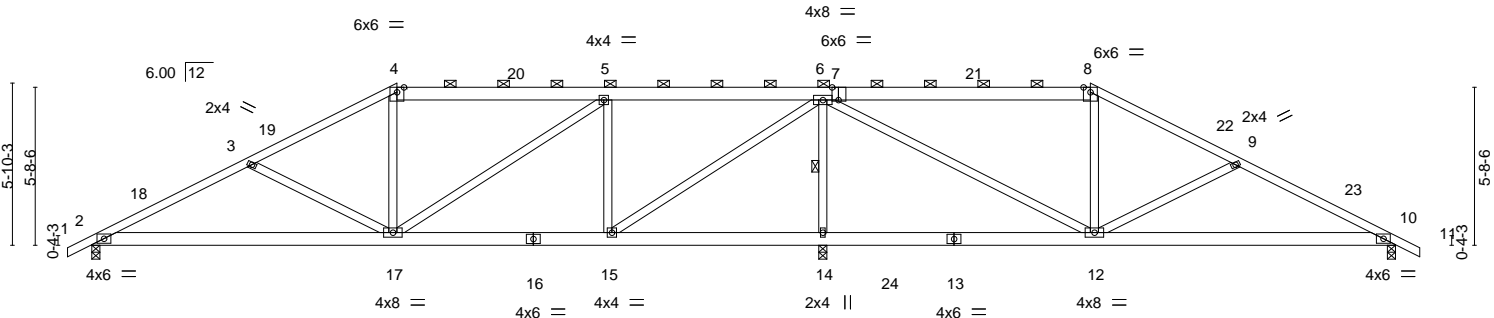
84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:56 2020 Page 1

ID:IPzHts0ReLOVUWCHSrvZPyHLgv-r6OW0?f3M4nnDc_P2_YL3P4nUwPLAXzkun3JczcGvr

-0-10-8	5-9-4	11-0-0	17-3-0	18-7-4	23-6-0	26-4-4	29-9-0	36-0-0	41-2-12	47-0-0	47-10-8
0-10-8	5-9-4	5-2-12	6-3-0	1-4-4	4-10-12	2-10-4	3-4-12	6-3-0	5-2-12	5-9-4	0-10-8

Scale = 1:83.1



5-9-4	11-0-0	18-7-4	26-4-4	36-0-0	41-2-12	47-0-0
5-9-4	5-2-12	7-7-4	7-9-0	9-7-12	5-2-12	5-9-4

Plate Offsets (X,Y)-- [7:0-2-12,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 0.55	Vert(LL)	-0.11	2-17	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.55	Vert(CT)	-0.25	2-17	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.61	Horz(CT)	0.02	10	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S						
								Weight: 296 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-7,7-8: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-14

REACTIONS. (size) 2=0-3-8, 14=0-3-8, 10=0-3-8
 Max Horz 2=97(LC 12)
 Max Uplift 2=-126(LC 12), 14=-249(LC 9), 10=-136(LC 13)
 Max Grav 2=989(LC 23), 14=2180(LC 1), 10=732(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1614/299, 3-4=-1250/217, 4-5=-1058/236, 5-6=-717/198, 6-8=-550/167,
 8-9=-676/138, 9-10=-1045/242
 BOT CHORD 2-17=-215/1383, 15-17=-113/717, 14-15=-551/154, 12-14=-551/154, 10-12=-135/876
 WEBS 3-17=-368/227, 4-17=0/286, 5-17=-65/437, 6-15=-184/1462, 6-14=-1984/368,
 6-12=-136/1185, 9-12=-378/226, 5-15=-705/185

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 36-0-0, Exterior(2) 36-0-0 to 40-2-15, Interior(1) 40-2-15 to 47-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 14, and 10. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567127
140_1445_A	H12	HIP	1	1		
Job Reference (optional)						

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:04:58 2020 Page 1

ID: IAPzHts0ReLOVUWCHSrvZPyHLgv-nVWGRggJuh1VTw8o9Pap8q97Fk7BeNa1L5YPNUzcGvp

-0-10-8	4-5-4	8-4-0	15-11-0	17-4-2	23-6-0	26-4-4	31-1-0	32-6-2	38-8-0	42-6-12	47-0-0	47-10-8
0-10-8	4-5-4	3-10-12	7-7-0	1-5-2	6-1-14	2-10-4	4-8-12	1-5-2	6-1-14	3-10-12	4-5-4	0-10-8

Scale = 1:83.1

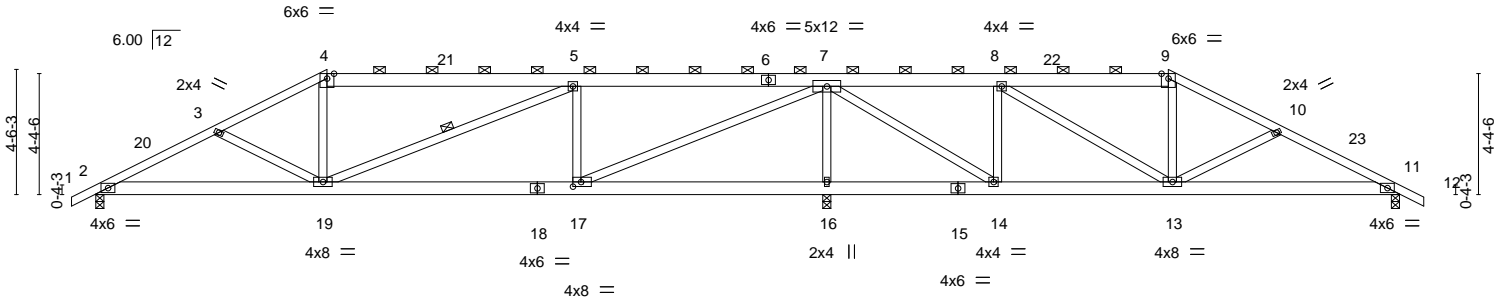


Plate Offsets (X,Y)--	[17:0-3-8,0-2-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.39	Vert(LL) -0.08 17-19 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.85	Vert(CT) -0.17 17-19 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.02 11 n/a n/a		
	Code IRC2015/TPI2014			Weight: 299 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6,6-9: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins, except 2-0-0 oc purlins (5-8-10 max.): 4-9.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-19

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 11=0-3-8
 Max Horz 2=75(LC 16)
 Max Uplift 2=-107(LC 12), 16=-310(LC 9), 11=-116(LC 13)
 Max Grav 2=981(LC 23), 16=2185(LC 1), 11=715(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1687/301, 3-4=-1449/238, 4-5=-1260/248, 5-7=-1146/248, 7-8=-326/135,
 8-9=-709/179, 9-10=-838/163, 10-11=-1103/231
 BOT CHORD 2-19=-206/1457, 17-19=-195/1146, 16-17=-792/163, 14-16=-792/163, 13-14=-27/326,
 11-13=-153/939
 WEBS 4-19=0/347, 5-17=-659/242, 7-17=-316/2062, 7-16=-1985/398, 7-14=-170/1271,
 8-14=-608/156, 8-13=-49/470, 10-13=-263/166

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 8-4-0, Exterior(2) 8-4-0 to 12-6-15, Interior(1) 12-6-15 to 38-8-0, Exterior(2) 38-8-0 to 42-8-11, Interior(1) 42-8-11 to 47-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 16, and 11. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

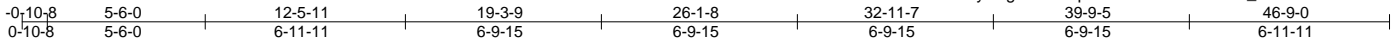
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Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567128
140_1445_A	HG1	HALF HIP GIRDER	1	2		

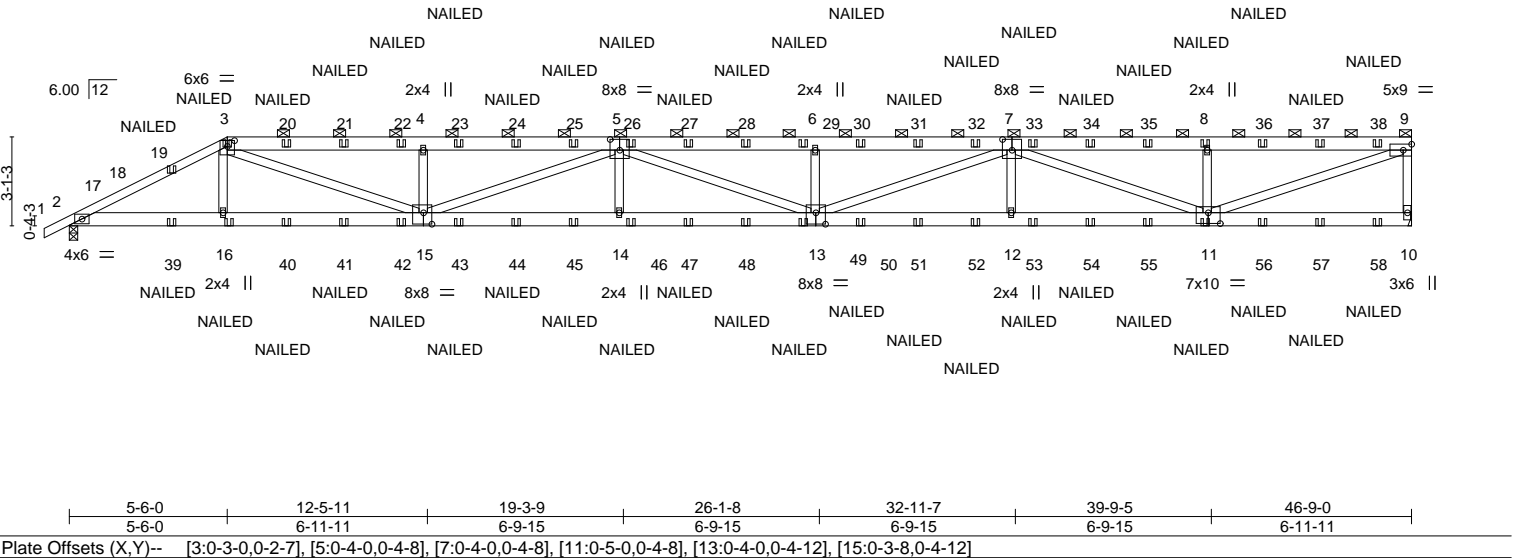
84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:13 2020 Page 1

ID: IAPzHts0ReLOVUWCHSrvZPyHLgv-rOwxbpskMlwNmDnhX2MKF_HibnFH9hEoxhiP7zcGva



Scale = 1:80.3



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 0.46	Vert(LL)	0.70	13-14	>796	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.42	Vert(CT)	-1.07	13-14	>519		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.89	Horz(CT)	0.13	10	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 602 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-4-0 max.): 3-9.
BOT CHORD 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied or 9-7-10 oc bracing.
WEBS 2x4 SP No.3 *Except* 3-15,9-11: 2x4 SP No.2	

REACTIONS. (size) 10=Mechanical, 2=0-3-8
 Max Horz 2=112(LC 9)
 Max Uplift 10=-891(LC 9), 2=-745(LC 9)
 Max Grav 10=2532(LC 1), 2=2548(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-5191/1648, 3-4=-8645/2988, 4-5=-8642/2986, 5-6=-10985/3834, 6-7=-10981/3832,
 7-8=-5736/2030, 8-9=-5728/2025, 9-10=-2407/922
 BOT CHORD 2-16=-1540/4574, 15-16=-1545/4560, 14-15=-3810/10839, 13-14=-3811/10837,
 12-13=-3314/9369, 11-12=-3315/9367
 WEBS 3-16=0/406, 3-15=-1616/4421, 4-15=-605/418, 5-15=-2368/855, 5-14=0/406,
 6-13=-526/374, 7-13=-599/1728, 7-12=0/398, 7-11=-3892/1366, 8-11=-575/412,
 9-11=-2113/6018

- NOTES-**
- 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: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-6-0 to 9-8-15, Interior(1) 9-8-15 to 46-7-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=891, 2=745.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	140.1445.a	I40567128
140_1445_A	HG1	HALF HIP GIRDER	1	2	Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:13 2020 Page 2
 ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-rOwxbpskMlwNmDnhX2MKF_HibnFHf9hEoxhiP7zcGva

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-9=-60, 2-10=-20

Concentrated Loads (lb)

Vert: 3=-41(B) 16=-17(B) 11=-17(B) 8=-41(B) 19=-38(B) 20=-41(B) 21=-41(B) 22=-41(B) 23=-41(B) 24=-41(B) 25=-41(B) 26=-41(B) 27=-41(B) 28=-41(B) 29=-41(B) 30=-41(B) 31=-41(B) 32=-41(B) 33=-41(B) 34=-41(B) 35=-41(B) 36=-41(B) 37=-41(B) 38=-41(B) 39=-42(B) 40=-17(B) 41=-17(B) 42=-17(B) 43=-17(B) 44=-17(B) 45=-17(B) 46=-17(B) 47=-17(B) 48=-17(B) 49=-17(B) 50=-17(B) 51=-17(B) 52=-17(B) 53=-17(B) 54=-17(B) 55=-17(B) 56=-17(B) 57=-17(B) 58=-17(B)

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.



818 Soundside Road
 Edenton, NC 27932

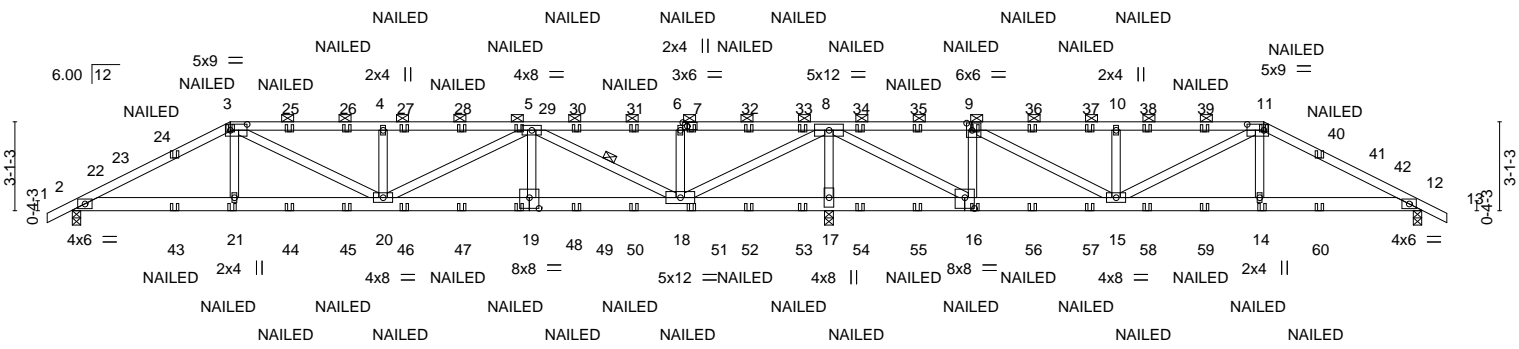
Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567129
140_1445_A	HG2	HIP GIRDER	1	1		

84 Components (Dunn), Dunn, NC - 28334, 8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:16 2020 Page 1

ID: IAPzHts0ReLOVUWCHSRvZPyHLgv-Fzb4DquceDlxhWFDBv1tdv9p_FysUMgUvwM0RzcGvX

-0-10-8	5-6-0	10-8-2	15-10-4	21-3-14	26-0-14	26-4-4	31-2-8	36-3-4	41-6-0	47-0-0	47-10-8
0-10-8	5-6-0	5-2-2	5-2-2	5-5-10	4-9-0	0-3-6	4-10-4	5-0-12	5-2-12	5-6-0	0-10-8

Scale = 1:80.3



5-6-0	10-8-2	15-10-4	21-3-14	26-4-4	31-2-8	36-3-4	41-6-0	47-0-0
5-6-0	5-2-2	5-2-2	5-5-10	5-0-6	4-10-4	5-0-12	5-2-12	5-6-0

Plate Offsets (X,Y)-- [3:0-7-0,0-2-8], [7:0-1-14,0-1-8], [9:0-2-4,0-3-0], [11:0-7-0,0-2-8], [16:0-4-0,0-4-8], [19:0-4-0,0-4-8]

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 0.66	Vert(LL)	0.15 19-20	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.49	Vert(CT)	-0.24 19-20	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.96	Horz(CT)	0.03 17	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-S					Weight: 269 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
3-20,5-20,5-18,8-18: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-2 oc purlins, except 2-0-0 oc purlins (3-2-12 max.): 3-11.
BOT CHORD Rigid ceiling directly applied or 4-6-3 oc bracing.
WEBS 1 Row at midpt 5-18

REACTIONS. (size) 2=0-3-8, 17=0-3-11, 12=0-3-8
Max Horz 2=53(LC 35)
Max Uplift 2=-291(LC 12), 17=-1067(LC 9), 12=-189(LC 13)
Max Grav 2=1182(LC 23), 17=3150(LC 1), 12=798(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2078/618, 3-4=-2344/810, 4-5=-2344/810, 8-9=-91/335, 9-10=-879/327,
10-11=-879/327, 11-12=-1228/341
BOT CHORD 2-21=-513/1780, 20-21=-508/1792, 19-20=-616/1842, 18-19=-618/1837, 17-18=-2361/821,
16-17=-2361/821, 15-16=-342/180, 14-15=-224/1033, 12-14=-228/1022
WEBS 3-21=0/349, 3-20=-315/664, 4-20=-444/311, 5-20=-172/571, 5-19=0/313,
5-18=-1844/618, 6-18=-408/287, 8-18=-982/2884, 8-17=-2890/1113, 8-16=-766/2321,
9-16=-1029/472, 9-15=-433/1359, 10-15=-438/304, 11-14=0/338

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 5-6-0, Exterior(2) 5-6-0 to 9-8-15, Interior(1) 9-8-15 to 41-6-0, Exterior(2) 41-6-0 to 45-8-15, Interior(1) 45-8-15 to 47-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=1067.
 - 7) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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



March 11, 2020

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
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Job	Truss	Truss Type	Qty	Ply	140.1445.a	I40567129
140_1445_A	HG2	HIP GIRDER	1	1		
					Job Reference (optional)	

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:16 2020 Page 2
 ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-Fzb4DquceDlxhdhWFDBv1tdv9p_FysUMgUvwM0RzcGvX

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-60, 3-11=-60, 11-13=-60, 2-12=-20

Concentrated Loads (lb)

Vert: 3=-41(F) 7=-41(F) 11=-41(F) 21=-17(F) 16=-17(F) 9=-41(F) 14=-17(F) 24=-38(F) 25=-41(F) 26=-41(F) 27=-41(F) 28=-41(F) 29=-41(F) 30=-41(F) 31=-41(F) 32=-41(F) 33=-41(F) 34=-41(F) 35=-41(F) 36=-41(F) 37=-41(F) 38=-41(F) 39=-41(F) 40=-38(F) 43=-42(F) 44=-17(F) 45=-17(F) 46=-17(F) 47=-17(F) 48=-17(F) 49=-17(F) 50=-17(F) 51=-17(F) 52=-17(F) 53=-17(F) 54=-17(F) 55=-17(F) 56=-17(F) 57=-17(F) 58=-17(F) 59=-17(F) 60=-42(F)

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.



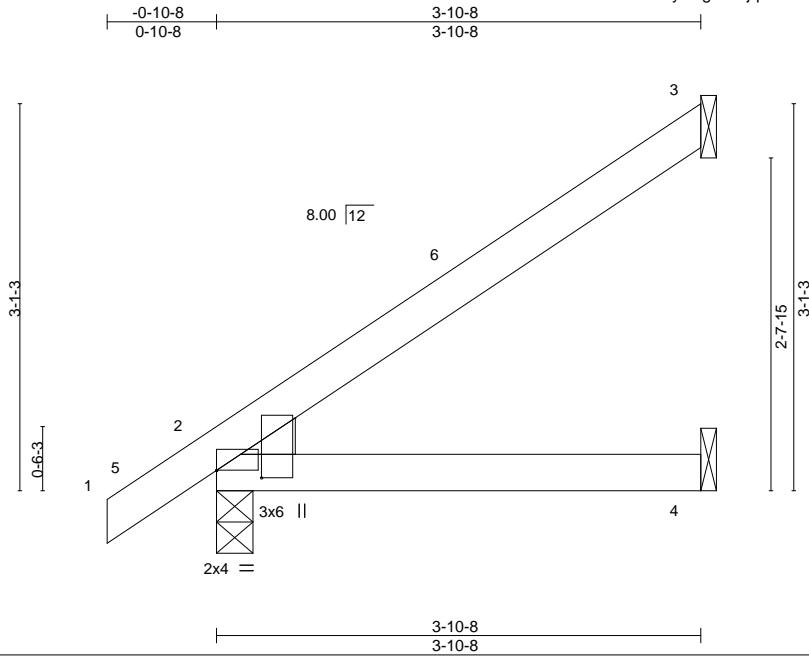
818 Soundside Road
 Edenton, NC 27932

Job 140_1445_A	Truss J1	Truss Type JACK-OPEN	Qty 40	Ply 1	140.1445.a	140567130
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84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:18 2020 Page 1

ID: IAPzHts0ReLOVUWCHSrvZPyHLgv-CLjqeWwsArZfs?geKcxVy2_cto0XKdszyDPT5KzcGvV
3-10-8
3-10-8



Scale = 1:18.4

Plate Offsets (X,Y)--	[2:0-0-0,0-0-0], [2:0-0-11,0-4-5]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) -0.01 2-4 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.02 2-4 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) -0.00 3 n/a n/a		
	Code IRC2015/TPI2014			Weight: 15 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horz 2=119(LC 12)
 Max Uplift 3=85(LC 12), 2=13(LC 12)
 Max Grav 3=113(LC 19), 2=216(LC 1), 4=73(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-9-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3.
 - 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 2. This connection is for uplift only and does not consider lateral forces.



March 11, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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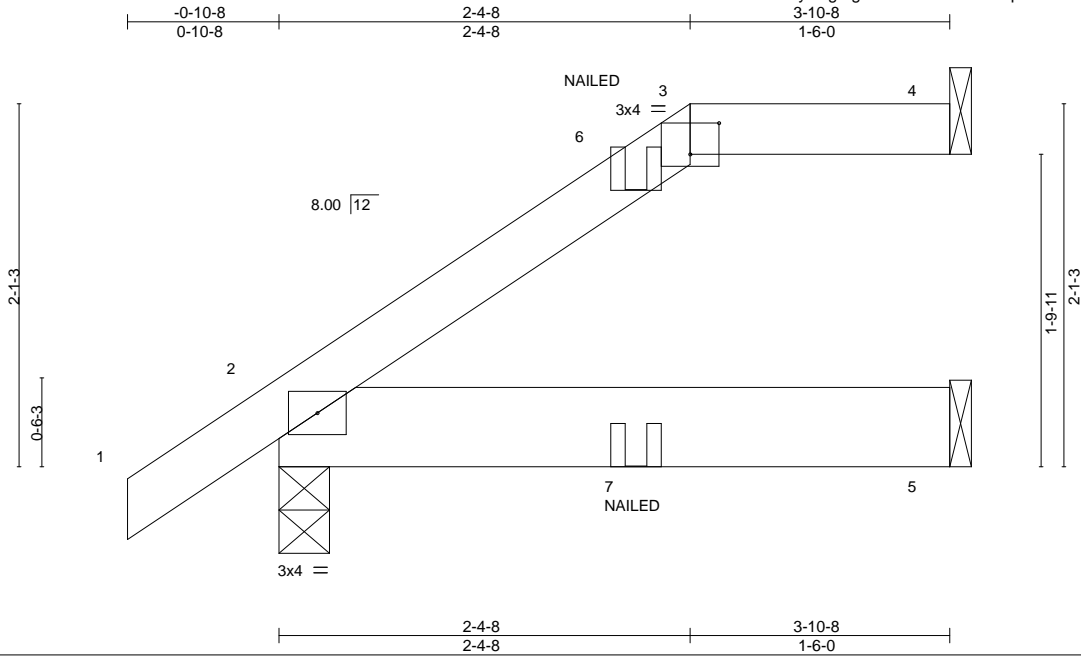
Job 140_1445_A	Truss J2	Truss Type JACK-OPEN GIRDER	Qty 3	Ply 1	140.1445.a	140567131
					Job Reference (optional)	

84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:19 2020 Page 1

ID:IPzHts0ReLOVUWCHSrvZPyHLgv-gYHCrsxUx8HWU8FquJskVFXnrCNi3466Bs80dmzcGvU



Scale = 1:13.3

Plate Offsets (X,Y)--	[3:0-2-0,0-2-3]									
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 0.22	Vert(LL)	-0.00	2-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	-0.01	2-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	0.02	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 17 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins, except 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=82(LC 12)
Max Uplift 4=45(LC 9), 2=-37(LC 12)
Max Grav 4=98(LC 1), 2=237(LC 1), 5=88(LC 3)

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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 6=-25(F) 7=-17(F)



March 11, 2020

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

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818 Soundside Road
Edenton, NC 27932

Job 140_1445_A	Truss J3	Truss Type JACK-OPEN	Qty 3	Ply 1	140.1445.a	140567132
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84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:21 2020 Page 1

ID:iAPzHts0ReLOVUWCHSrvZPyHLgv-cwPzGYyITmxEjSOD?kVcagc8X?22X_cPeAd7hfzcGvS

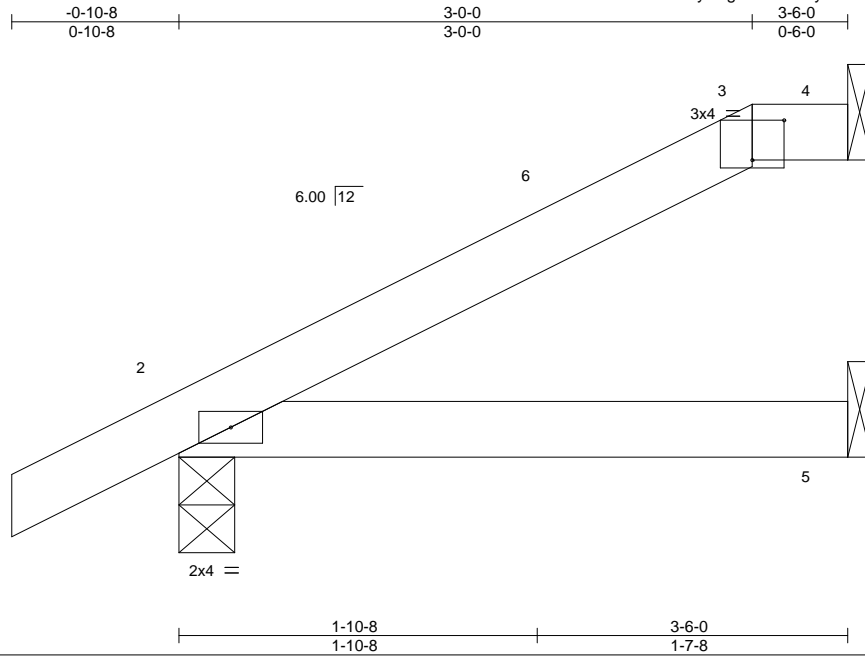


Plate Offsets (X,Y)--	[3:0-2-0,0-2-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.15	Vert(LL) -0.01 2-5 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.11	Vert(CT) -0.01 2-5 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 4 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P		Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins: 3-4.
	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
 Max Horz 2=73(LC 12)
 Max Uplift 4=-39(LC 12), 2=-35(LC 12)
 Max Grav 4=85(LC 1), 2=202(LC 1), 5=61(LC 3)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 3-0-0, Exterior(2) 3-0-0 to 3-5-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
- 8) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

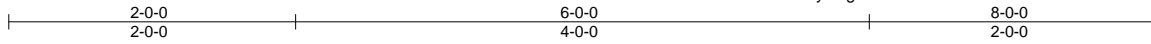
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. 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.</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567133
140_1445_A	PB1	Piggyback	1	1		
Job Reference (optional)						

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:22 2020 Page 1

ID:IPzHts0ReLOVUWCHSrvZPyHLGv-47zLUuzNE335LczPZR0R7u9lwPKUGRsZtqNgE5zcGvR



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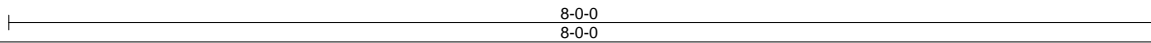
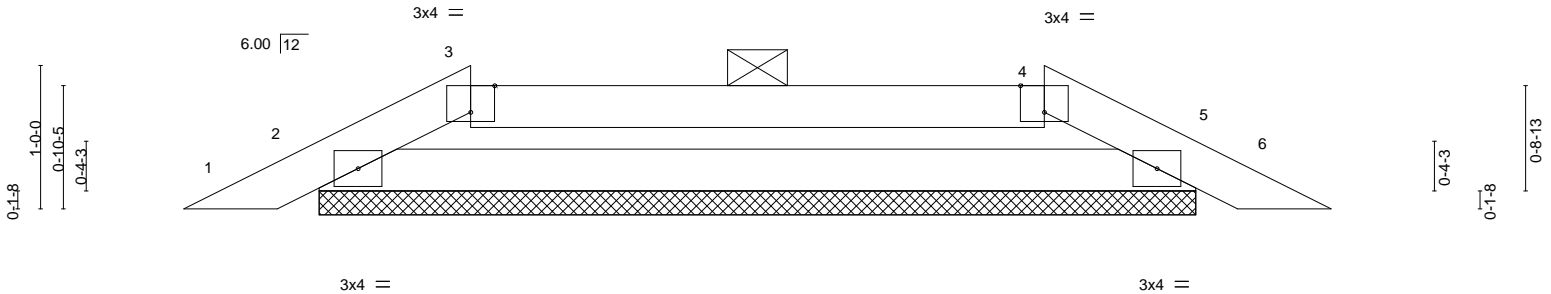


Plate Offsets (X,Y)--	[3:0-2-0,Edge], [4:0-2-0,Edge]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15		TC 0.23	Vert(LL) 0.00	6	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.35	Vert(CT) 0.01	6	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.00	Horz(CT) 0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-R					Weight: 22 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 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.); 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=6-1-6, 5=6-1-6
 Max Horz 2=13(LC 12)
 Max Uplift 2=-31(LC 9), 5=-31(LC 8)
 Max Grav 2=282(LC 1), 5=282(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-472/263, 3-4=-435/247, 4-5=-472/264
 BOT CHORD 2-5=-205/435

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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.

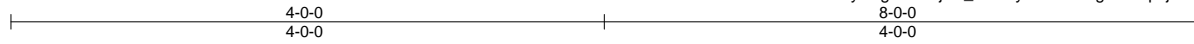
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 140_1445_A	Truss PB2	Truss Type Piggyback	Qty 3	Ply 1	140.1445.a	140567134
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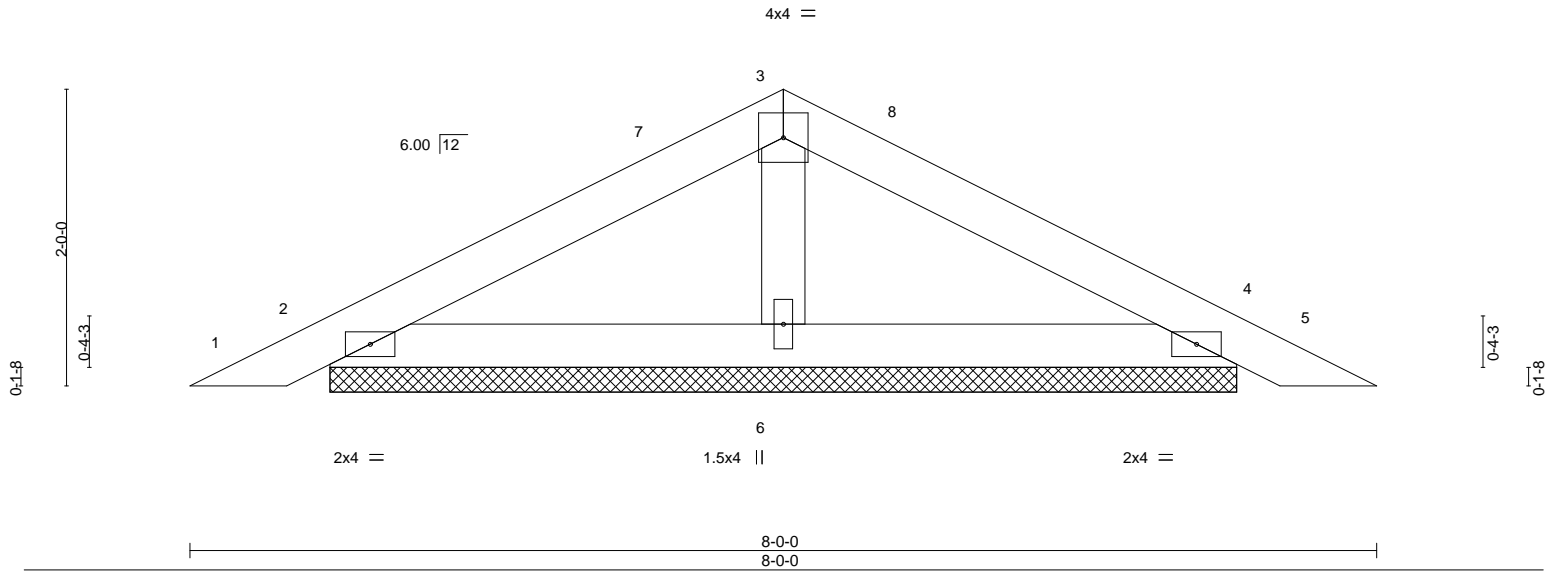
84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:23 2020 Page 1

ID:IApZhts0ReLOVUWCHSrvZPyHLgv-YJWjhD_??NByzmYc79Xgf5hUspkj?udi5U6EmXzcGvQ



Scale = 1:15.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.16	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.09	Vert(CT)	0.01	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 24 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. (size) 2=6-1-6, 4=6-1-6, 6=6-1-6
 Max Horz 2=-31(LC 13)
 Max Uplift 2=-44(LC 12), 4=-50(LC 13)
 Max Grav 2=164(LC 1), 4=164(LC 1), 6=234(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-15 to 3-3-15, Interior(1) 3-3-15 to 4-0-0, Exterior(2) 4-0-0 to 7-0-11, Interior(1) 7-0-11 to 7-8-1 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



March 11, 2020

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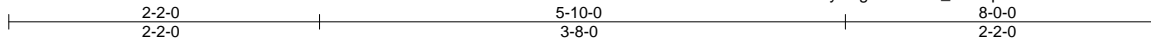
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567135
140_1445_A	PB3	Piggyback	1	1		
Job Reference (optional)						

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:24 2020 Page 1

ID:IPzHts0ReLOVUWCHSrvZPyHLgv-0V45uZ_dmhJpaw7ohs2vCJEe2D03kLMrK8snl_zcGvP



Scale: 3/4"=1'

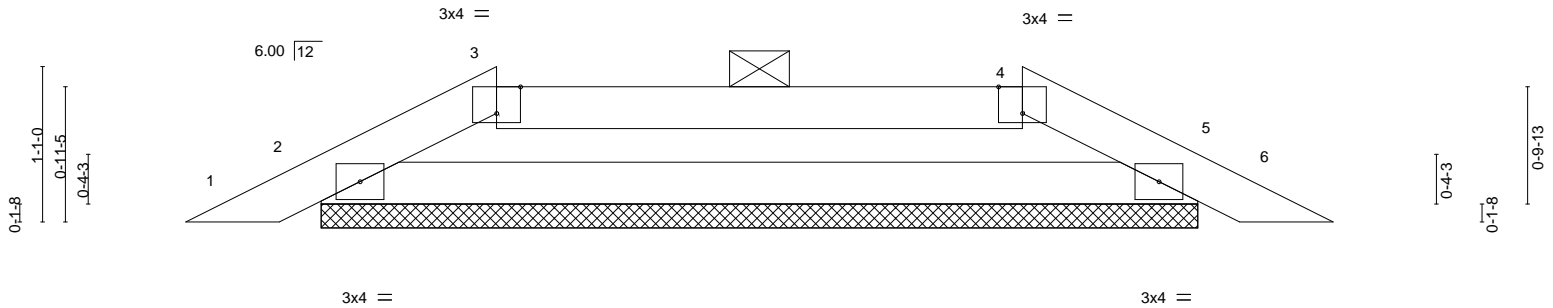


Plate Offsets (X,Y)--	[3:0-2-0,Edge], [4:0-2-0,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.19	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.34	Vert(CT)	0.01	6	n/r	120		
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-R						Weight: 22 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 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=6-1-6, 5=6-1-6
 Max Horz 2=14(LC 12)
 Max Uplift 2=-28(LC 9), 5=-28(LC 8)
 Max Grav 2=282(LC 1), 5=282(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-438/247, 3-4=-397/232, 4-5=-438/247
 BOT CHORD 2-5=-186/397

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 11, 2020

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

Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567136
140_1445_A	T6	ROOF TRUSS	2	1		
84 Components (Dunn), Dunn, NC - 28334,						Job Reference (optional)

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:26 2020 Page 1

ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-zuCsJF0IIIZXqDHAoH4NHkJsM0fGC?K8oSLuNszcGvN

0-10-8	6-10-5	13-2-3	19-6-0	27-6-0	33-9-13	40-1-11	41-7-13	47-0-0	47-10-8
0-10-8	6-10-5	6-3-13	6-3-13	8-0-0	6-3-13	6-3-13	1-6-3	5-4-3	0-10-8

Scale = 1:82.1

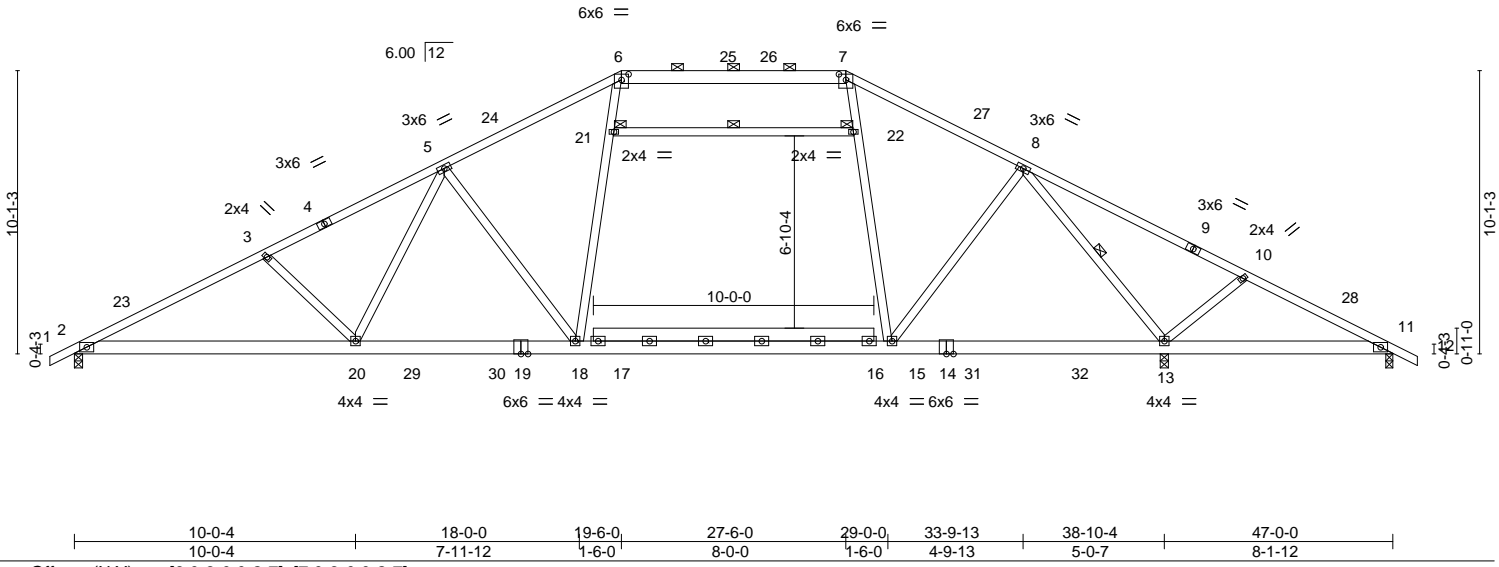


Plate Offsets (X,Y)--	[6:0-3-0,0-2-7], [7:0-3-0,0-2-7]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.75	Vert(LL) -0.46 18-20 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.55	Vert(CT) -0.83 18-20 >563 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.99	Horz(CT) 0.08 11 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 318 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 6-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (4-5-7 max.): 6-7.
BOT CHORD 2x6 SP DSS *Except* 16-17: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 21-22, 8-13
	JOINTS 1 Brace at Jt(s): 21, 22

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 11=0-3-0
 Max Horz 2=170(LC 16)
 Max Uplift 2=-261(LC 12), 13=-361(LC 13), 11=-269(LC 12)
 Max Grav 2=1779(LC 1), 13=1344(LC 25), 11=1209(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3402/498, 3-5=-3164/466, 5-6=-2401/430, 6-7=-1923/428, 7-8=-2367/453,
 8-10=-2272/630, 10-11=-2368/626
 BOT CHORD 2-20=-518/2973, 18-20=-327/2494, 15-18=-151/1969, 13-15=-288/2049, 11-13=-515/2107
 WEBS 3-20=-355/218, 5-20=-90/666, 5-18=-795/285, 18-21=-58/740, 6-21=-59/748,
 7-22=-102/701, 15-22=-101/692, 8-13=-1146/369, 10-13=-420/248

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 19-6-0, Exterior(2) 19-6-0 to 23-8-15, Interior(1) 23-8-15 to 27-6-0, Exterior(2) 27-6-0 to 31-8-15, Interior(1) 31-8-15 to 47-10-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are 4x6 MT20 unless otherwise indicated.
 - 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.
 - One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 13, and 11. This connection is for uplift only and does not consider lateral forces.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



March 11, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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.</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 140_1445_A	Truss T7	Truss Type ROOF TRUSS	Qty 3	Ply 1	140.1445.a	140567137
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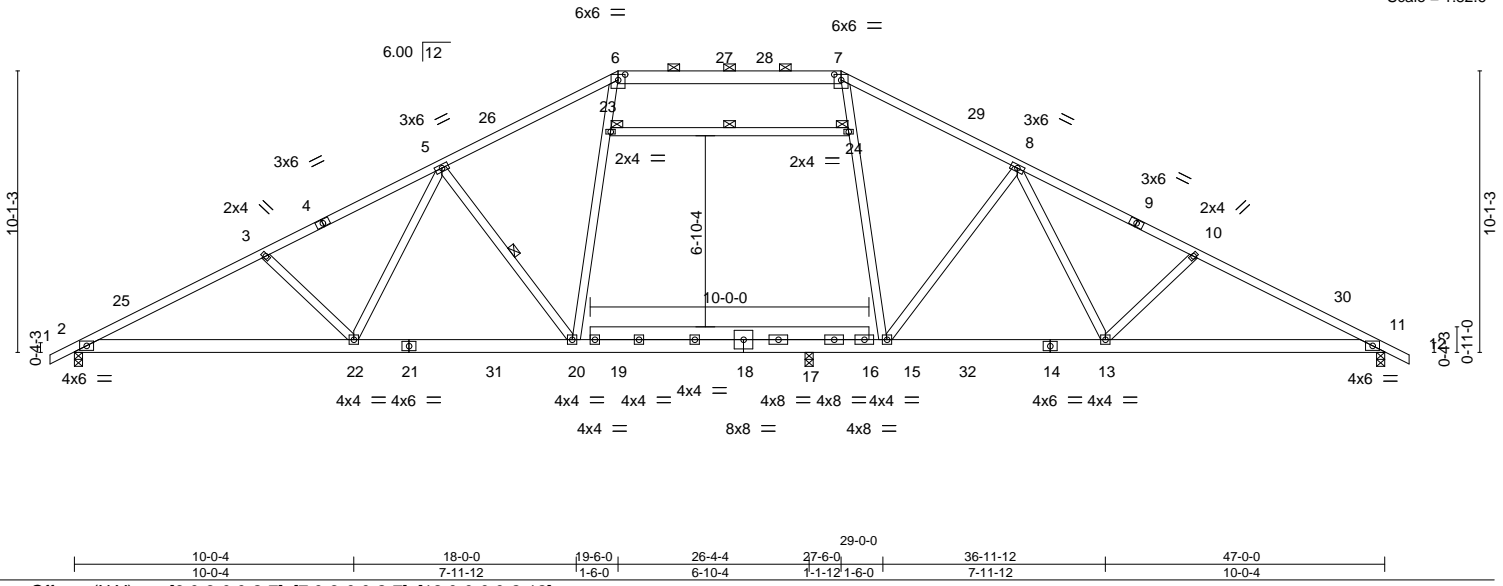
84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:27 2020 Page 1

ID: IAPzHts0ReLOVUWCHSrvZPyHLgv-R4mEXb1W3chORNsNM?ccqxs1_Q_uwUT1064RvJzcGvM

0-10-8 6-10-5 13-2-3 19-6-0 27-6-0 33-9-13 40-1-11 47-0-0 47-10-8
 0-10-8 6-10-5 6-3-13 6-3-13 8-0-0 6-3-13 6-3-13 6-10-5 0-10-8

Scale = 1:82.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.53	Vert(LL) -0.50 20-22 >625 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.87	Vert(CT) -0.87 20-22 >363 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.07 11 n/a n/a		
	Code IRC2015/TPI2014			Weight: 318 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 6-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-2 oc purlins, except 2-0-0 oc purlins (4-7-5 max.): 6-7.
BOT CHORD 2x6 SP DSS *Except* 16-19: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-20, 23-24
	JOINTS 1 Brace at Jt(s): 23, 24

REACTIONS. (size) 2=0-3-8, 11=0-3-8, 17=0-3-8
 Max Horz 2=170(LC 12)
 Max Uplift 2=-297(LC 12), 11=-147(LC 12), 17=-239(LC 13)
 Max Grav 2=1706(LC 24), 11=1537(LC 1), 17=995(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3194/576, 3-5=-2911/544, 5-6=-2102/463, 6-7=-1677/434, 7-8=-2018/491,
 8-10=-2495/422, 10-11=-2765/436
 BOT CHORD 2-22=-588/2774, 20-22=-400/2247, 17-20=-221/1746, 15-17=-221/1717, 13-15=-249/1978,
 11-13=-279/2395
 WEBS 3-22=-357/217, 5-22=-81/683, 5-20=-808/280, 8-15=-698/297, 8-13=-109/570,
 10-13=-379/220, 20-23=-98/615, 6-23=-99/622, 7-24=-134/571, 15-24=-133/564

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 19-6-0, Exterior(2) 19-6-0 to 23-8-15, Interior(1) 23-8-15 to 27-6-0, Exterior(2) 27-6-0 to 31-8-15, Interior(1) 31-8-15 to 47-10-8 zone; 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) One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 11, and 17. This connection is for uplift only and does not consider lateral forces.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



March 11, 2020

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ENGINEERING BY
TRENCO
 A MiTek Affiliate

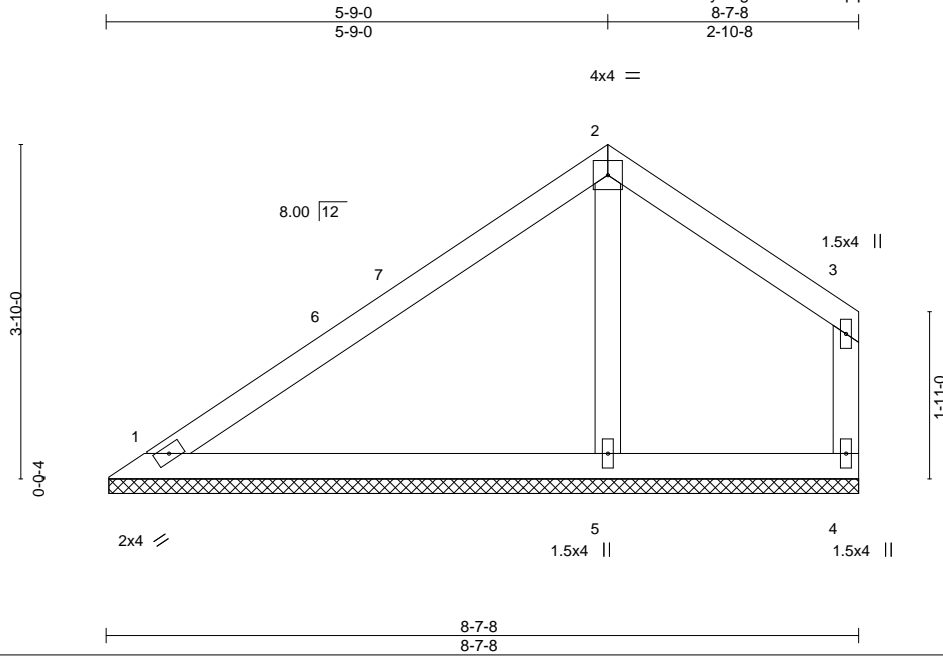
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	140.1445.a	140567138
140_1445_A	V1	Valley	1	1		
						Job Reference (optional)

84 Components (Dunn), Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:28 2020 Page 1

ID: IAPzHts0Rel.OVUWCHSrvZPyHLgv-vGKckx28qvpF3XRZwi7rM9P9DqMGf7GRFmq?RlzcGvL



Scale = 1:26.4

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 0.95	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.39	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00		n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 35 lb	FT = 20%

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

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

REACTIONS. (size) 1=8-7-2, 4=8-7-2, 5=8-7-2
 Max Horz 1=96(LC 12)
 Max Uplift 1=-26(LC 12), 4=-55(LC 13), 5=-24(LC 12)
 Max Grav 1=201(LC 1), 4=97(LC 20), 5=352(LC 19)

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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 5-9-0, Exterior(2) 5-9-0 to 8-5-12 zone; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 5. This connection is for uplift only and does not consider lateral forces.



March 11, 2020

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/TP1 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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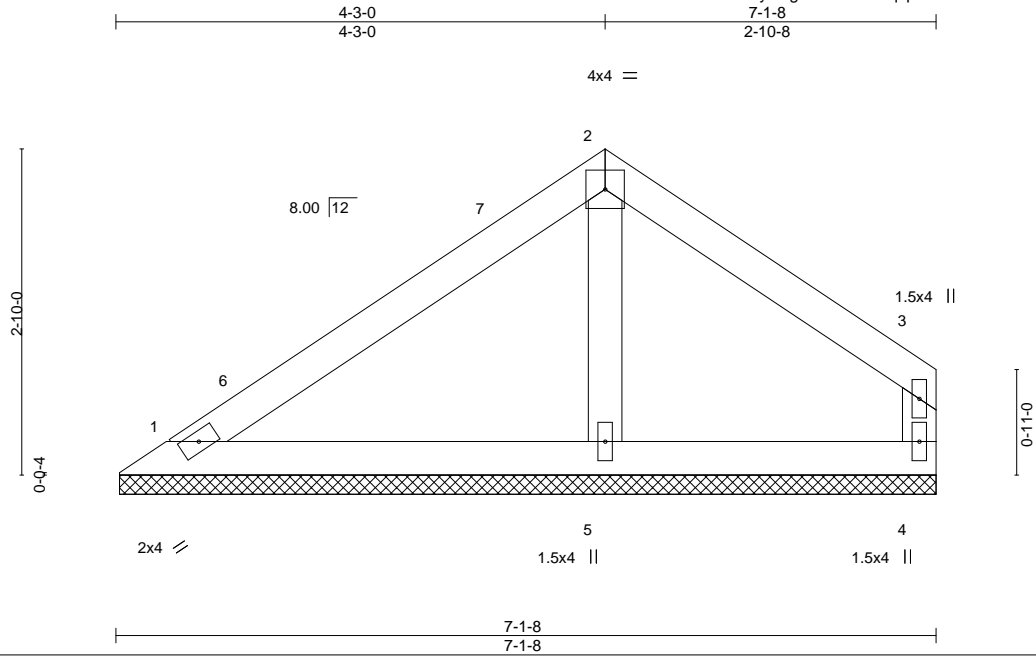
Job 140_1445_A	Truss V2	Truss Type Valley	Qty 1	Ply 1	140.1445.a	140567139
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84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:28 2020 Page 1

ID:IAPzHts0ReLOVUWCHSrvZPyHLgv-vGKckx28qvpF3XRZwi7rM9PGsqQNf8gRFmq?RlzcGvL



LOADING (psf)	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)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.19	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00		n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P					Weight: 27 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (size) 1=7-1-2, 4=7-1-2, 5=7-1-2
 Max Horz 1=60(LC 9)
 Max Uplift 1=-29(LC 13), 4=-50(LC 13), 5=-6(LC 12)
 Max Grav 1=143(LC 1), 4=106(LC 20), 5=278(LC 1)


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 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-5-12 to 3-5-12, Interior(1) 3-5-12 to 4-3-0, Exterior(2) 4-3-0 to 6-11-12 zone; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
- One RT7A USP connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4 and 5. This connection is for uplift only and does not consider lateral forces.



March 11, 2020

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.</p> <p>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/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	<p>ENGINEERING BY</p>  <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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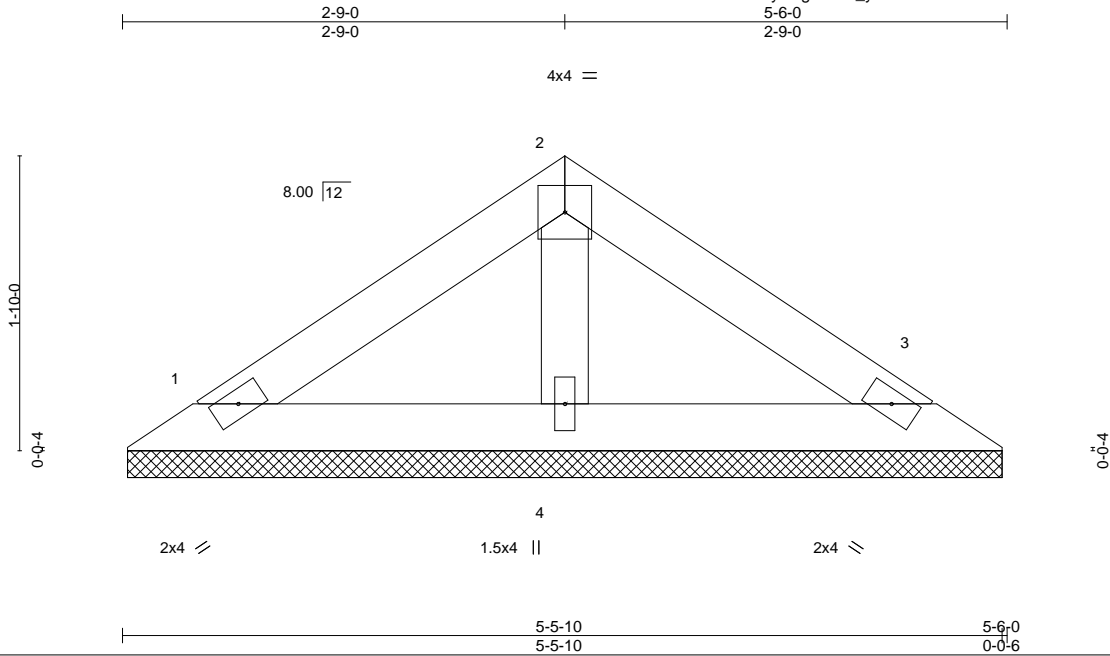
Job 140_1445_A	Truss V3	Truss Type Valley	Qty 1	Ply 1	140.1445.a	140567140
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84 Components (Dunn),

Dunn, NC - 28334,

8.330 s Feb 13 2020 MiTek Industries, Inc. Tue Mar 10 17:05:29 2020 Page 1

ID: IAPzHts0ReLOVUWCHSrvZPyHLgv-NTu_yH2mbDx5hh0ITPe4vMxWPEndObFbUQZYzBzcGvK



Scale = 1:14.3

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 0.15	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 0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-P						Weight: 18 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-5-4, 3=5-5-4, 4=5-5-4
 Max Horz 1=37(LC 9)
 Max Uplift 1=22(LC 12), 3=27(LC 13)
 Max Grav 1=97(LC 1), 3=97(LC 1), 4=169(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; 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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



March 11, 2020

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

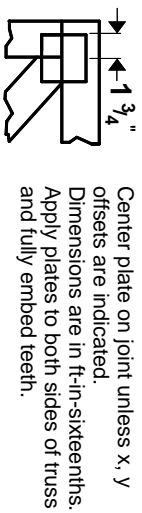
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.



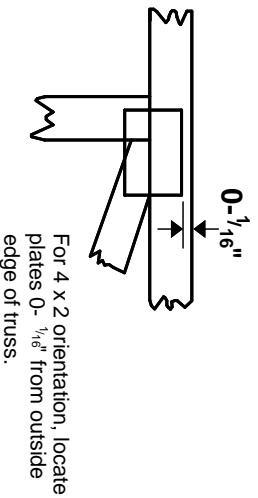
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Symbols

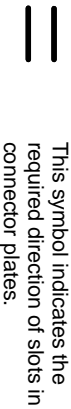
PLATE LOCATION AND ORIENTATION



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.

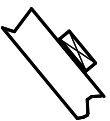


This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

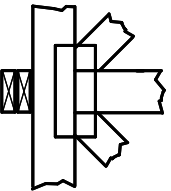
4 X 4
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

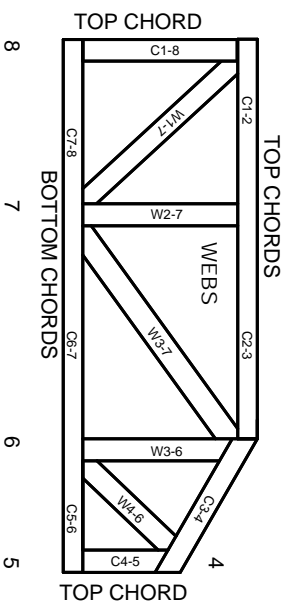


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MITek Engineering Reference Sheet: Mill-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.