

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 27056-27056A
70 SOUTH CREEK

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: I46369591 thru I46369612

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



June 2, 2021

Sevier, Scott

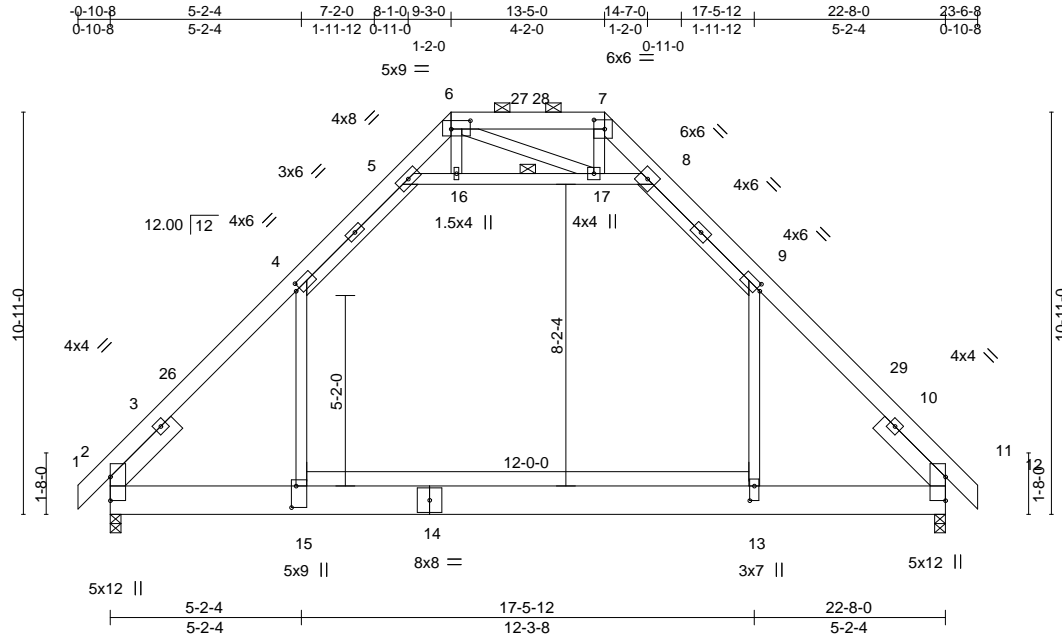
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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 27056-27056A	Truss A2	Truss Type Attic	Qty 1	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369591
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:25 2021 Page 1

ID:Kw81U5ppKBrCuYlXLSI88xzBznp-ol0TXyfWorkRc4n7LHhSEeROE6WZlc_ytKwr97zAYwO



Scale = 1:62.5

Plate Offsets (X, Y)--	[4:0-1-8,0-2-0], [6:0-6-4,0-2-12], [7:0-3-8,0-3-0], [9:0-1-4,0-2-0], [13:0-4-12,0-1-8], [15:0-7-0,0-1-8]
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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 0.88	Vert(LL)	-0.23	13-15	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.88	Vert(CT)	-0.36	13-15	>766		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.38	Horz(CT)	0.02	2	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Attic	-0.15	13-15	991	Weight: 228 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP DSS *Except* 6-7: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-7.
BOT CHORD 2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.
WEBS 2x4 SP No.3 *Except* 4-15,5-8,9-13: 2x4 SP No.2 or 2x4 SPF No.2	WEBS 1 Row at midpt 5-8
SLIDER Left 2x6 SP No.2 -t 2-6-0, Right 2x6 SP No.2 -t 2-6-0	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=229(LC 11)
 Max Grav 2=1414(LC 18), 11=1414(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1707/18, 4-5=-966/144, 5-6=-143/274, 6-7=0/529, 7-8=-130/297, 8-9=-967/144, 9-11=-1705/14
 BOT CHORD 2-15=0/1043, 13-15=0/1045, 11-13=0/1043
 WEBS 4-15=0/941, 5-16=-1400/139, 16-17=-1394/141, 8-17=-1426/144, 9-13=0/937

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-3-0, Exterior(2) 9-3-0 to 17-5-15, Interior(1) 17-5-15 to 23-6-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). 4-5, 8-9, 5-16, 16-17, 8-17; Wall dead load (5.0psf) on member(s).4-15, 9-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



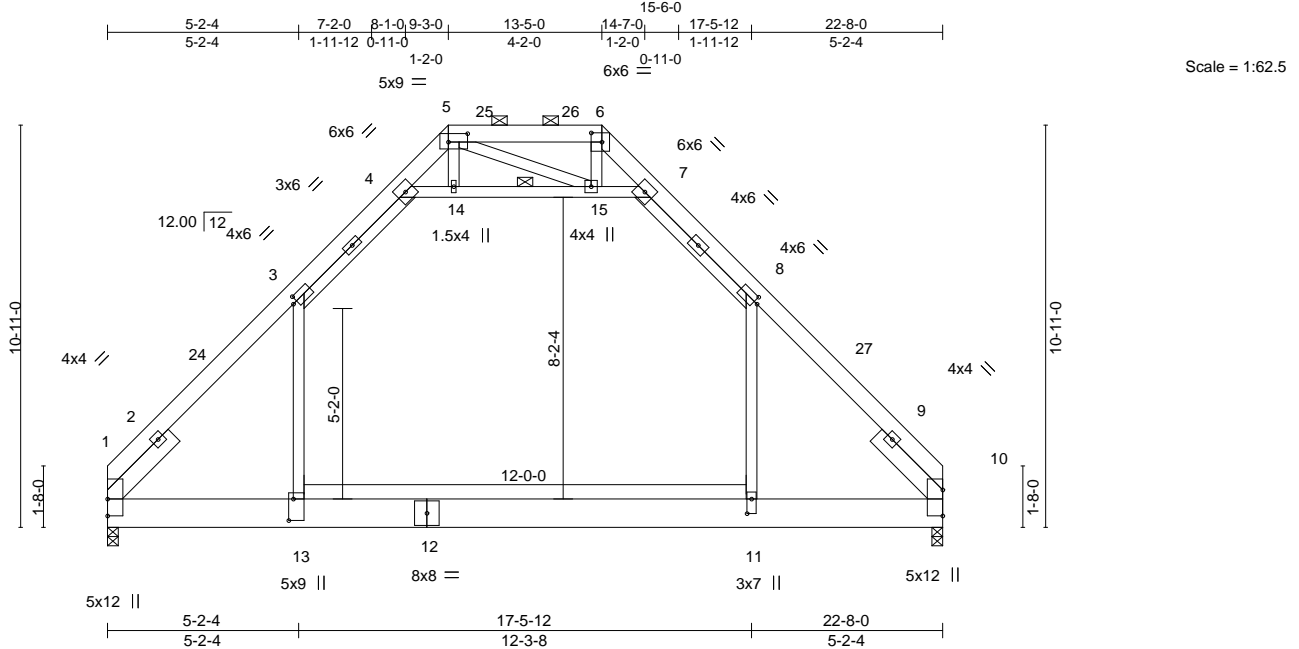
June 2, 2021

Job 27056-27056A	Truss A3	Truss Type ATTIC	Qty 9	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369593
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:27 2021 Page 1

ID:Kw81U5ppKBrCuYlXLSI88xzBznp-lh8EyegmJS_9rOxWSijwJ3XkhvC1DWTFLePyD0zAYwM



Scale = 1:62.5

Plate Offsets (X, Y)--	[3:0-1-8,0-2-0], [5:0-6-4,0-2-12], [6:0-3-8,0-3-0], [8:0-1-4,0-2-0], [11:0-4-12,0-1-8], [13:0-7-0,0-1-8]
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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 0.88	Vert(LL)	-0.23	11-13	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.88	Vert(CT)	-0.36	11-13	>765		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.38	Horz(CT)	0.02	1	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Attic	-0.15	11-13	991	Weight: 222 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP DSS *Except* 5-6: 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 5-6.
BOT CHORD 2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.
WEBS 2x4 SP No.3 *Except* 3-13,4-7,8-11: 2x4 SP No.2 or 2x4 SPF No.2	WEBS 1 Row at midpt 4-7
SLIDER Left 2x6 SP No.2 -t 2-6-0, Right 2x6 SP No.2 -t 2-6-0	

REACTIONS. (size) 1=0-3-8, 10=0-3-8
 Max Horz 1=210(LC 11)
 Max Grav 1=1365(LC 18), 10=1365(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1711/19, 3-4=-969/145, 4-5=-141/275, 5-6=0/531, 6-7=-128/298, 7-8=-969/145,
 8-10=-1708/14
 BOT CHORD 1-13=0/1036, 11-13=0/1038, 10-11=0/1036
 WEBS 3-13=0/942, 4-14=-1407/143, 14-15=-1400/144, 7-15=-1433/147, 8-11=0/938

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-3-0, Exterior(2) 9-3-0 to 17-5-15, Interior(1) 17-5-15 to 22-8-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 7-8, 4-14, 14-15, 7-15; Wall dead load (5.0psf) on member(s).3-13, 8-11
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Attic room checked for L/360 deflection.



June 2, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job 27056-27056A	Truss A4GR	Truss Type ATTIC GIRDER	Qty 1	Ply 2	70 SOUTH CREEK Job Reference (optional)	146369594
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:28 2021 Page 1

ID:Kw81U5ppKBrCuYlXLSI88xzBznp-DticA_hO4m60TYWi0QE9sH3tqJVbyzOOaI9VISzAYwL

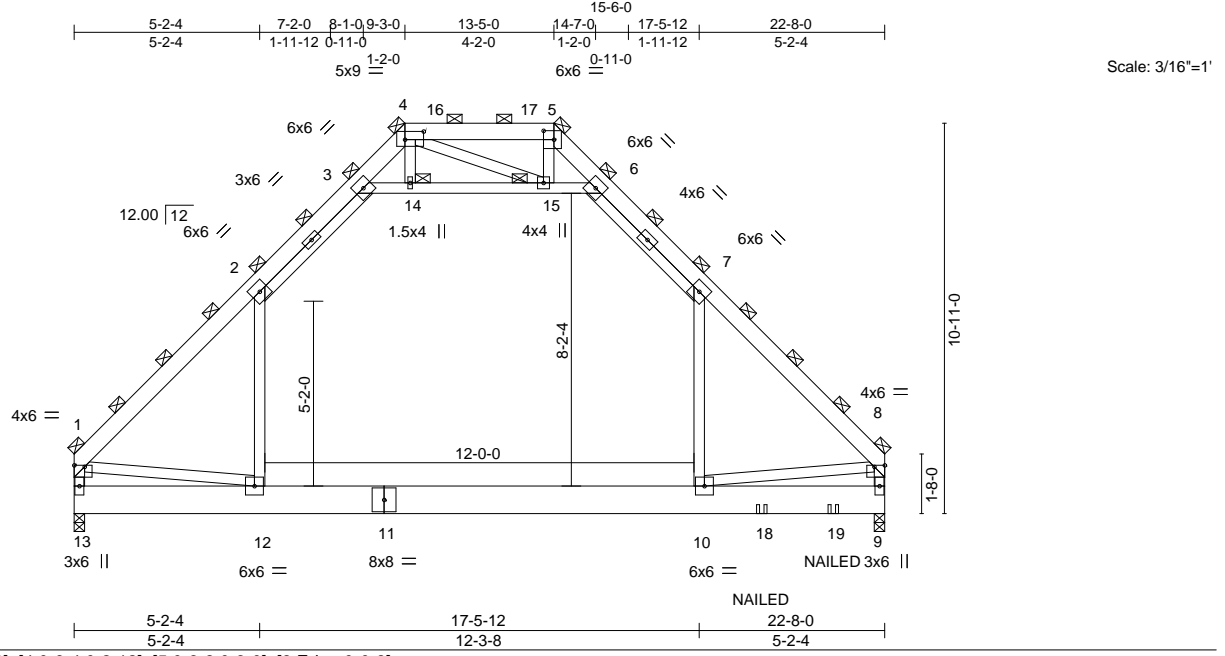


Plate Offsets (X, Y)--	[1:Edge,0-0-8], [4:0-6-4,0-2-12], [5:0-3-8,0-3-0], [8:Edge,0-0-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	4-0-0	TC 0.99	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.99	Vert(LL) -0.24 10-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Vert(CT) -0.37 10-12 >718 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.01 9 n/a n/a		
	Code IRC2015/TP12014		Attic -0.15 10-12 963 360	Weight: 453 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP DSS *Except* 4-5: 2x6 SP No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD 2x10 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 2-12,3-6,7-10: 2x4 SP No.2 or 2x4 SPF No.2	JOINTS 1 Brace at Jt(s): 4, 5, 1, 8, 14, 15

REACTIONS. (size) 13=0-3-8, 9=0-3-8
 Max Horz 13=-485(LC 6)
 Max Grav 13=2699(LC 38), 9=2694(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-3224/0, 2-3=-1908/169, 3-4=-245/645, 4-5=0/1204, 5-6=-218/691, 6-7=-1913/164,
 7-8=-3216/0, 1-13=-2898/0, 8-9=-2892/0
 BOT CHORD 12-13=-357/787, 10-12=0/2048, 9-10=-50/415
 WEBS 2-12=0/1562, 3-14=-2909/197, 14-15=-2897/200, 6-15=-2970/193, 7-10=0/1550,
 1-12=0/1738, 8-10=0/1764

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x10 - 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 Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); end vertical left and right exposed; 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.
 - Ceiling dead load (5.0 psf) on member(s). 2-3, 6-7, 3-14, 14-15, 6-15; Wall dead load (5.0psf) on member(s).2-12, 7-10
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 10-12
 - 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.
 - Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Continued on page 2

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 27056-27056A	Truss A4GR	Truss Type ATTIC GIRDER	Qty 1	Ply 2	70 SOUTH CREEK Job Reference (optional)	I46369594
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:29 2021 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-120, 2-3=-140, 3-4=-120, 4-5=-120, 5-6=-120, 6-7=-140, 7-8=-120, 12-13=-40, 10-12=-60, 9-10=-40, 3-6=-20

Drag: 2-12=-20, 7-10=-20

Concentrated Loads (lb)

Vert: 18=-10(B) 19=-10(B)

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818 Soundside Road
Edenton, NC 27932

Job 27056-27056A	Truss B1GE	Truss Type GABLE	Qty 1	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369595
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84 Components (Dunn), Dunn, NC - 28334,

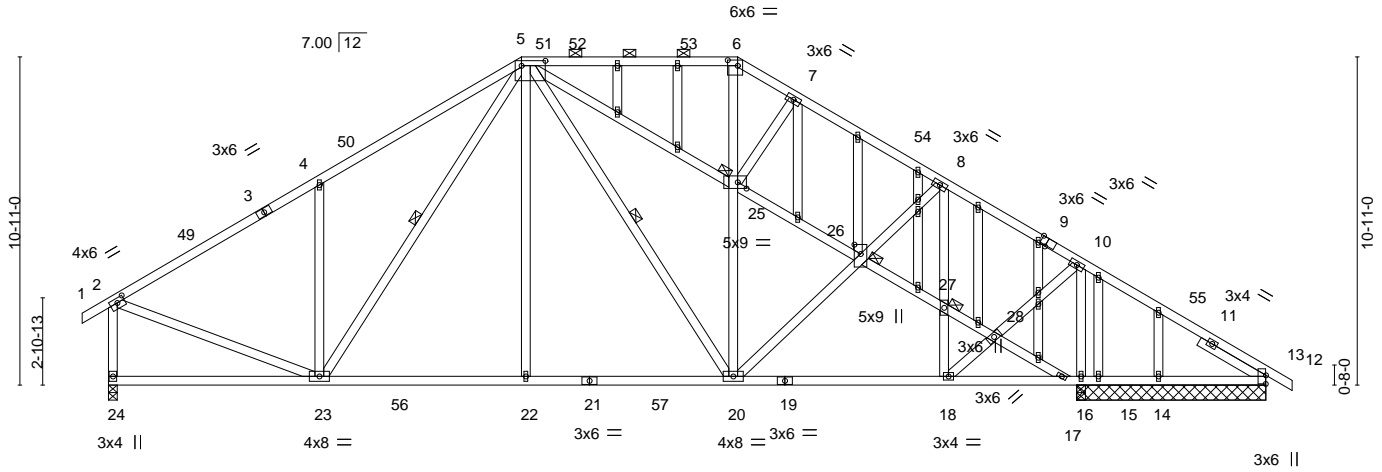
8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:31 2021 Page 1

ID:Kw81U5ppKBrCuYlxLSl88xzBznp-dSNko?jHhUbk?EHhYntUvhQvXch9H6qGGN9MnzAYwl

-0-10-8 0-10-8	7-0-3 7-0-3	13-8-14 6-8-11	20-11-2 7-2-5	27-7-13 6-8-11	32-5-6 4-9-9	38-6-0 6-0-10	39-4-8 0-10-8
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8x12 =

Scale = 1:76.6



7-0-3 7-0-3	13-8-14 6-8-11	20-11-2 7-2-5	27-7-13 6-8-11	29-6-13 1-11-0	32-6-0 2-11-3	38-6-0 6-0-0
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Plate Offsets (X, Y)--	[2:0-3-0,0-1-12], [5:0-9-8,0-2-0], [6:0-4-0,0-2-4], [9:0-2-8,Edge], [12:0-3-7,0-0-1], [25:0-3-8,0-2-8], [26:0-3-12,0-2-8]
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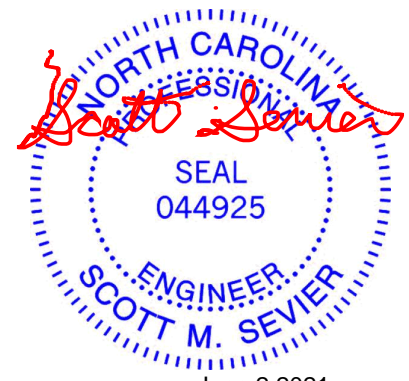
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.87	Vert(LL)	-0.08	22-23	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.64	Vert(CT)	-0.14	22-23	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.04	16	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 336 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins, except end verticals, and 2-0-0 oc purlins (3-6-8 max.): 5-6.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 5-20, 5-23
5-22,5-20,6-20,5-23: 2x4 SP No.2	JOINTS 1 Brace at Jt(s): 25, 26, 27
OTHERS 2x4 SP No.3	
SLIDER Right 2x4 SP No.3 -t 2-6-0	

REACTIONS. All bearings 6-3-8 except (jt=length) 24=0-3-8.
 (lb) - Max Horz 24=260(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 12, 16, 14 except 24=117(LC 12), 15=284(LC 18)
 Max Grav All reactions 250 lb or less at joint(s) 12, 15, 14, 12 except 24=1356(LC 17), 16=1721(LC 1), 16=1721(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1390/236, 4-5=-1443/396, 5-6=-694/240, 6-7=-811/259, 7-8=-950/254, 8-10=-817/214, 2-24=-1298/247
 BOT CHORD 23-24=-182/268, 22-23=0/1116, 20-22=0/1121, 18-20=-46/937, 17-18=-56/312
 WEBS 4-23=-462/236, 5-22=0/406, 8-26=0/252, 2-23=-84/1135, 5-25=-455/117, 25-26=-399/64, 26-27=-402/63, 27-28=-410/63, 17-28=-427/63, 8-27=-465/73, 18-27=-451/72, 10-16=-1257/144, 10-28=0/865, 18-28=0/850, 5-23=-143/358

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10: Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=39ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-11-11, Interior(1) 2-11-11 to 13-8-14, Exterior(2) 13-8-14 to 19-2-3, Interior(1) 19-2-3 to 20-11-2, Exterior(2) 20-11-2 to 26-4-8, Interior(1) 26-4-8 to 39-4-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) N/A
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 2, 2021

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Job 27056-27056A	Truss B3	Truss Type ROOF TRUSS	Qty 2	Ply 1	70 SOUTH CREEK	146369597
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:35 2021 Page 1
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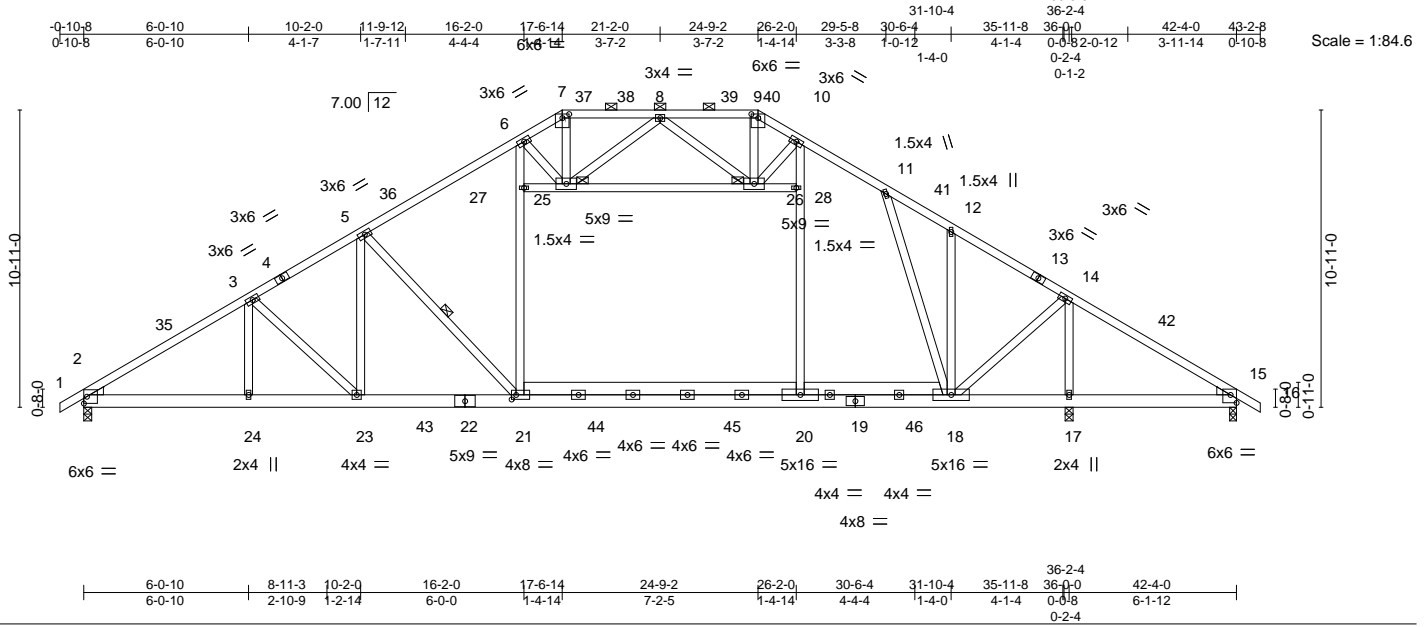


Plate Offsets (X, Y)-- [7:0-3-0,0-1-12], [9:0-3-0,0-1-12], [15:Edge,0-3-8], [21:0-2-0,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.66	Vert(LL)	-0.23 21-23	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.87	Vert(CT)	-0.45 21-23	>955	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.83	Horz(CT)	0.08 15	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Attic	0.13 20-21	973	360	Weight: 346 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins, except 2-0-0 oc purlins (4-6-14 max.); 7-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-21
JOINTS 1 Brace at Jt(s): 25, 26

REACTIONS. (size) 2=0-3-8, 15=0-3-0, 17=0-3-8
Max Horz 2=216(LC 10)
Max Uplift 17=109(LC 12)
Max Grav 2=2008(LC 18), 15=1358(LC 18), 17=1265(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3233/0, 3-5=-3076/0, 5-6=-2645/0, 6-7=-1894/7, 7-8=-1643/0, 8-9=-1620/0, 9-10=-1843/2, 10-11=-2651/0, 11-12=-2482/0, 12-14=-2567/0, 14-15=-2149/0
BOT CHORD 2-24=0/2860, 23-24=0/2860, 21-23=0/2746, 20-21=0/2319, 18-20=0/2321, 17-18=0/1813, 15-17=0/1813
WEBS 7-25=0/867, 9-26=-6/798, 21-27=0/825, 6-27=0/814, 20-28=0/988, 10-28=0/977, 25-26=-462/0, 5-23=-50/368, 5-21=-627/186, 11-18=-397/4, 14-17=-1211/155, 14-18=-3/828, 6-25=-979/0, 10-26=-858/0

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 3-4-5, Interior(1) 3-4-5 to 17-6-14, Exterior(2) 17-6-14 to 23-6-11, Interior(1) 23-6-11 to 24-9-2, Exterior(2) 24-9-2 to 30-9-0, Interior(1) 30-9-0 to 43-2-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 200.0lb AC unit load placed on the bottom chord, 21-2-0 from left end, supported at two points, 5-0-0 apart.
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). 25-27, 25-26, 26-28; Wall dead load (5.0psf) on member(s). 21-27, 20-28
 - Bottom chord live load (20.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 17. 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.



June 2, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



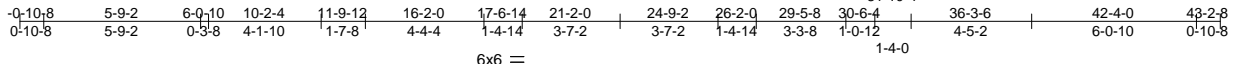
818 Soundside Road
Edenton, NC 27932

Job 27056-27056A	Truss B4	Truss Type ROOF TRUSS	Qty 3	Ply 1	70 SOUTH CREEK	146369598
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:37 2021 Page 1

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Plate Offsets (X, Y)--	[7:0-3-0,0-1-12], [9:0-3-0,0-1-12], [15:0-0-0,0-0-8], [21:0-2-0,0-2-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.62	Vert(LL)	-0.21 21-23	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.88	Vert(CT)	-0.44 21-23	>869	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.09 15	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS	Attic	-0.11 20-21	1142	360	Weight: 346 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-13 oc purlins, except
BOT CHORD 2x6 SP No.2	2-0-0 oc purlins (4-6-13 max.): 7-9.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	WEBS 1 Row at midpt 5-21
Left: 2x4 SP No.3, Right: 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 25, 26

REACTIONS. (size) 2=0-6-8, 18=0-3-8, 15=0-3-0
 Max Horz 2=216(LC 11)
 Max Uplift 18=78(LC 12)
 Max Grav 2=2009(LC 18), 18=784(LC 23), 15=1670(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-3234/0, 3-5=-3081/0, 5-6=-2648/0, 6-7=-1894/3, 7-8=-1644/0, 8-9=-1619/0,
 9-10=-1844/0, 10-11=-2650/0, 11-12=-2499/0, 12-14=-2578/0, 14-15=-2708/0
 BOT CHORD 2-24=0/2865, 23-24=0/2865, 21-23=0/2747, 20-21=0/2322, 18-20=0/2323, 17-18=0/2286,
 15-17=0/2286
 WEBS 7-25=0/866, 9-26=-1/805, 21-27=0/829, 6-27=0/818, 20-28=0/981, 10-28=0/970,
 25-26=-465/0, 11-18=-400/18, 14-18=-307/165, 5-23=-48/362, 5-21=-627/190,
 6-25=-979/0, 10-26=-866/0

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=42ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 3-4-5, Interior(1) 3-4-5 to 17-6-14, Exterior(2) 17-6-14 to 23-6-11, Interior(1) 23-6-11 to 24-9-2, Exterior(2) 24-9-2 to 30-9-0, Interior(1) 30-9-0 to 43-2-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 200.0lb AC unit load placed on the bottom chord, 21-2-0 from left end, supported at two points, 5-0-0 apart.
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). 25-27, 25-26, 26-28; Wall dead load (5.0psf) on member(s). 21-27, 20-28
 - Bottom chord live load (20.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21
 - One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 18. 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.



June 2, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job 27056-27056A	Truss D1	Truss Type Piggyback Base	Qty 2	Ply 1	70 SOUTH CREEK	146369599
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:38 2021 Page 1

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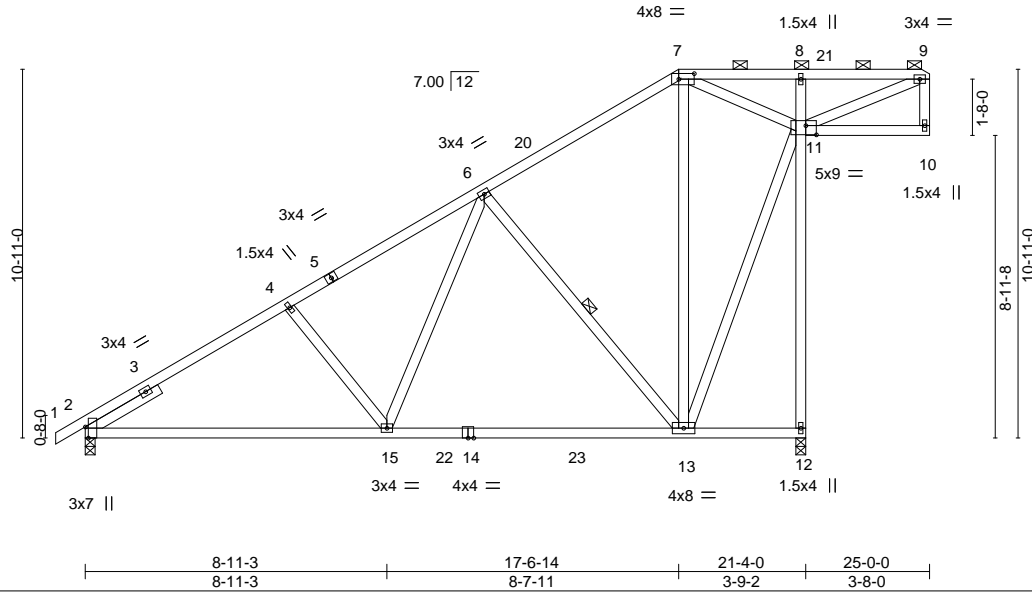


Plate Offsets (X,Y)--	[2:0-3-15,Edge], [7:0-5-8,0-2-0], [11:0-3-12,0-3-4]
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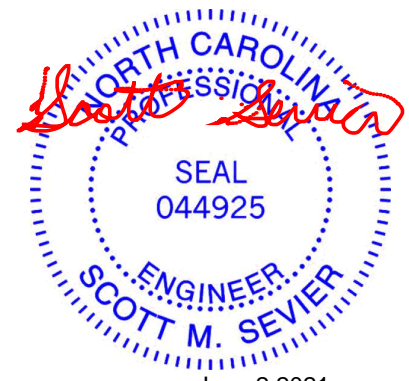
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.70	Vert(LL) -0.21 13-15 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.30	Vert(CT) -0.33 13-15 >765 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.02 12 n/a n/a		
	Code IRC2015/TPI2014			Weight: 173 lb	FT = 20%

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

REACTIONS. (size) 2=0-3-8, 12=0-3-8
 Max Horz 2=281(LC 12)
 Max Uplift 2=-19(LC 12), 12=-138(LC 9)
 Max Grav 2=876(LC 1), 12=1174(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1078/41, 4-6=-1001/58, 6-7=-339/60, 7-8=-64/272, 8-9=-61/256
 BOT CHORD 2-15=-256/1027, 13-15=-164/659, 11-12=-1193/257, 8-11=-258/107
 WEBS 4-15=-311/143, 6-15=-11/527, 6-13=-665/177, 11-13=-139/667, 7-11=-526/94, 9-11=-300/53

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 17-6-14, Exterior(2) 17-6-14 to 21-9-12, Interior(1) 21-9-12 to 24-10-4 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 MiTek 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Job 27056-27056A	Truss D2	Truss Type PIGGYBACK BASE	Qty 1	Ply 1	70 SOUTH CREEK	146369600
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:39 2021 Page 1
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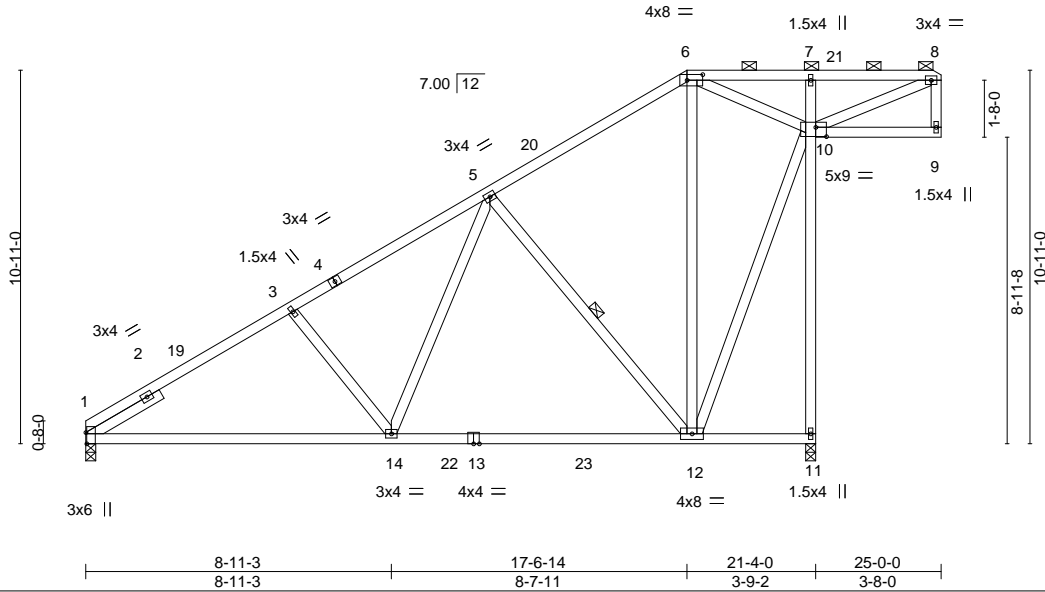


Plate Offsets (X,Y)--	[1:0-3-15,Edge], [6:0-5-8,0-2-0], [10:0-3-12,0-3-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.41	Vert(LL)	-0.21	12-14	>999	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.70	Vert(CT)	-0.33	12-14	>766		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.30	Horz(CT)	0.02	11	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 171 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-8.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 7-11: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 5-2-4 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-12
SLIDER Left 2x4 SP No.3 -t-2-6-0	

REACTIONS. (size) 1=0-3-8, 11=0-3-8
 Max Horz 1=258(LC 12)
 Max Uplift 11=138(LC 9)
 Max Grav 1=822(LC 17), 11=1175(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1117/48, 3-5=-1004/64, 5-6=-339/60, 6-7=-64/272, 7-8=-61/256
 BOT CHORD 1-14=-257/1031, 12-14=-164/660, 10-11=-1194/257, 7-10=-258/107
 WEBS 3-14=-313/149, 5-14=-16/531, 5-12=-666/177, 10-12=-139/668, 6-10=-526/94, 8-10=-300/53

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 17-6-14, Exterior(2) 17-6-14 to 21-9-12, Interior(1) 21-9-12 to 24-10-4 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 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.



Job 27056-27056A	Truss D3	Truss Type Piggyback Base	Qty 3	Ply 1	70 SOUTH CREEK	146369601
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:41 2021 Page 1

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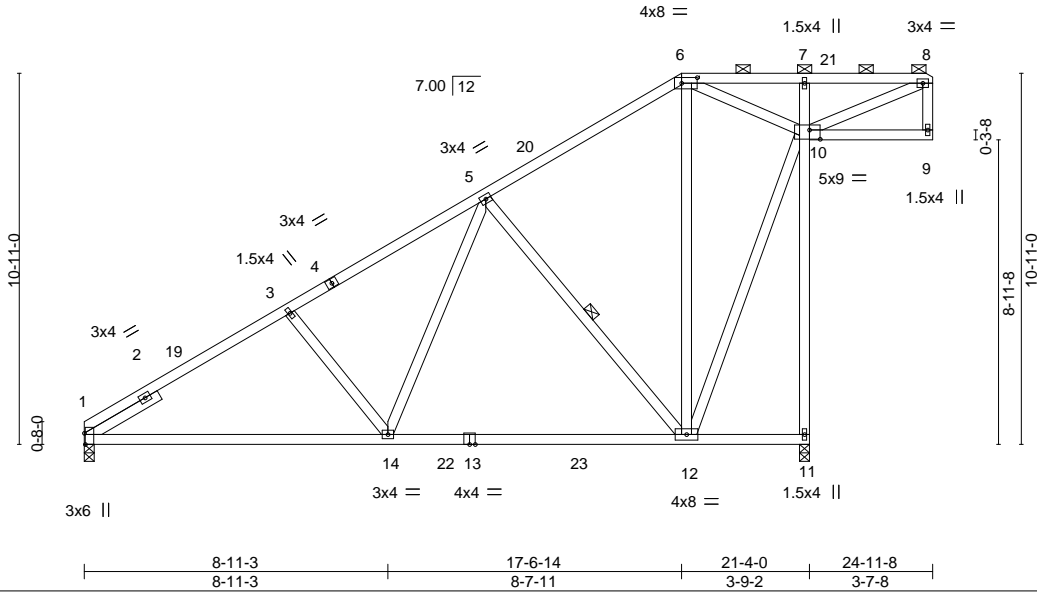


Plate Offsets (X,Y)--	[1:0-3-15,Edge], [6:0-5-8,0-2-0], [10:0-3-12,0-3-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.41	Vert(LL)	-0.21 12-14	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.70	Vert(CT)	-0.33 12-14	>766	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.30	Horz(CT)	0.02 11	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS						
								Weight: 171 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 6-8.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2 *Except* 7-11: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 5-2-8 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-12
SLIDER Left 2x4 SP No.3 -t 2-6-0	

REACTIONS. (size) 1=0-3-8, 11=0-3-8
 Max Horz 1=296(LC 12)
 Max Uplift 11=147(LC 12)
 Max Grav 1=827(LC 17), 11=1168(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1125/3, 3-5=-1013/18, 5-6=-345/13, 6-7=-47/264
 BOT CHORD 1-14=248/1030, 12-14=-157/658, 10-11=-1186/242, 7-10=-264/109
 WEBS 3-14=-312/151, 5-14=-19/530, 5-12=-666/177, 10-12=-121/665, 6-10=-521/101, 8-10=-269/48

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 17-6-14, Exterior(2) 17-6-14 to 21-9-12, Interior(1) 21-9-12 to 24-9-12 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 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.



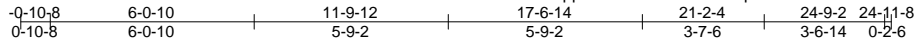
Job 27056-27056A	Truss D4	Truss Type Piggyback Base	Qty 3	Ply 1	70 SOUTH CREEK	146369602
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84 Components (Dunn),

Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:42 2021 Page 1

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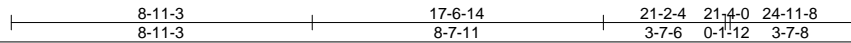
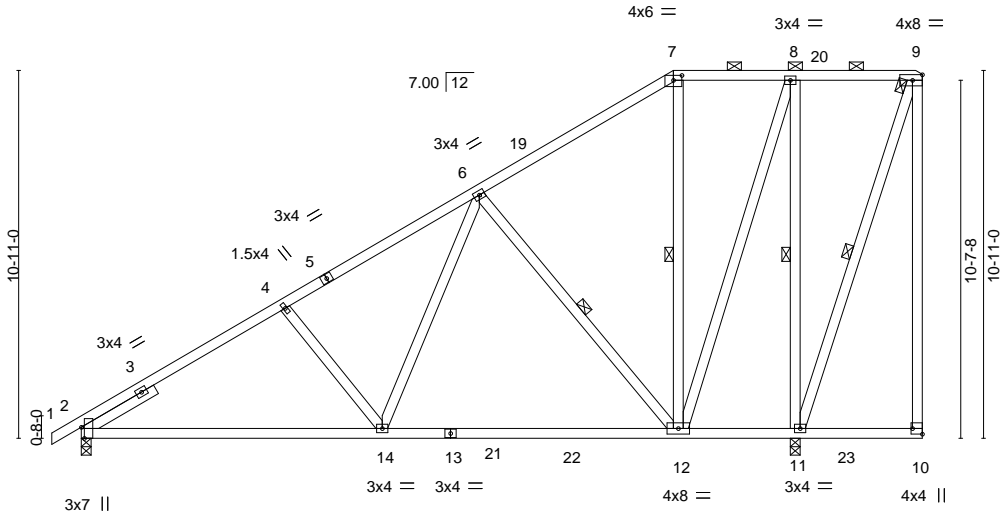


Plate Offsets (X,Y)-- [2:0-3-15,Edge], [7:0-3-0,0-1-12], [10:Edge,0-3-8]

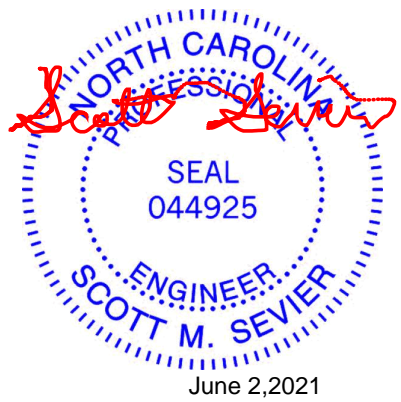
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.71	Vert(LL) -0.21 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.61	Vert(CT) -0.34 12-14 >754 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.02 11 n/a n/a		
	Code IRC2015/TPI2014			Weight: 194 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-5-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 6-12, 7-12, 8-11, 9-11
SLIDER 9-10: 2x4 SP No.2 or 2x4 SPF No.2	
Left 2x4 SP No.3 -1-2-6-0	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=375(LC 11)
 Max Uplift 2=62(LC 12), 11=-165(LC 9)
 Max Grav 2=876(LC 1), 11=1255(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1080/153, 4-6=-969/171, 6-7=-392/178, 7-8=-336/185
 BOT CHORD 2-14=-366/1105, 12-14=-271/736
 WEBS 4-14=-314/146, 6-14=-14/530, 6-12=-667/179, 8-11=-1060/330, 8-12=-213/893

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 17-6-14, Exterior(2) 17-6-14 to 21-9-12, Interior(1) 21-9-12 to 24-9-12 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 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.



Job 27056-27056A	Truss D5GE	Truss Type Piggyback Base Supported Gable	Qty 1	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369603
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:43 2021 Page 1

ID:Kw81U5ppKBrCuYlXLSI88xzBznp-Hm6HJ6toYN?umr9aO3?hzRBVqMn3zo7b07Hon4zAYw6

-0-10-8 17-6-14 24-9-2 25-0-0
 0-10-8 17-6-14 7-2-5 0-2-14

4x4 = 4x4 ||

Scale = 1:70.6

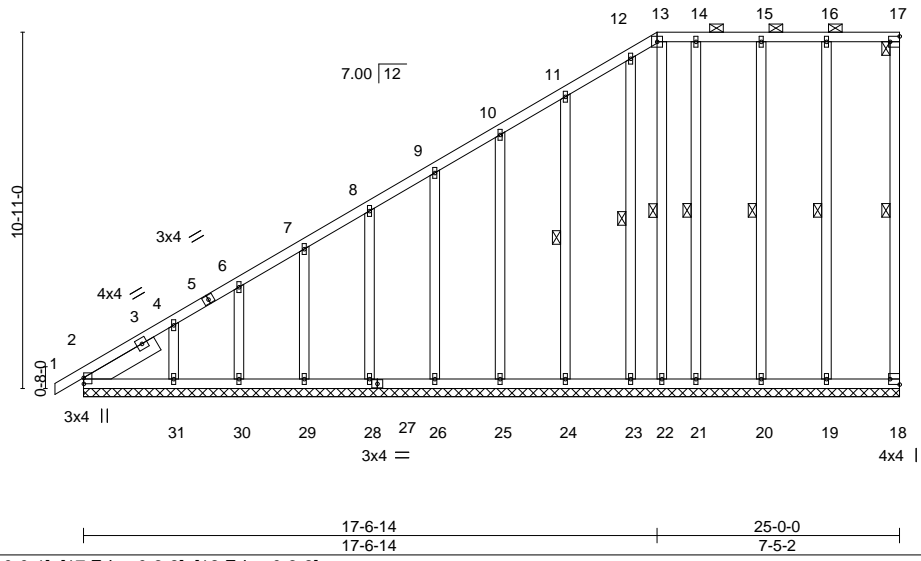


Plate Offsets (X, Y)--	[2:0-2-3,0-0-1], [17:Edge,0-3-8], [18:Edge,0-3-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.74	Vert(LL) 0.00 1 n/r 120	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.35	Vert(CT) 0.00 1 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.14	Horz(CT) -0.01 18 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-S		Weight: 232 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 13-17.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2 or 2x4 SPF No.2 *Except*	WEBS 1 Row at midpt 17-18, 16-19, 15-20, 14-21, 12-23, 11-24, 13-22
13-22: 2x4 SP No.3	
OTHERS 2x4 SP No.3	
SLIDER Left 2x6 SP No.2 -t 2-6-0	

REACTIONS. All bearings 25-0-0.
 (lb) - Max Horz 2=374(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 18, 2, 19, 20, 21, 23, 24, 25, 26, 28, 29, 30, 31, 22
 Max Grav All reactions 250 lb or less at joint(s) 18, 2, 19, 20, 21, 23, 24, 25, 26, 28, 29, 30, 31, 22

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-558/519, 4-6=-453/430, 6-7=-409/395, 7-8=-359/353, 8-9=-310/312, 9-10=-260/271

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 17-6-14, Corner(3) 17-6-14 to 20-9-2, Exterior(2) 20-9-2 to 24-10-4 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) N/A
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Job 27056-27056A	Truss D5GR	Truss Type PIGGYBACK BASE GIRDE	Qty 2	Ply 2	70 SOUTH CREEK Job Reference (optional)	146369604
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:44 2021 Page 1

ID:Kw81U5ppKBrCuYlXLSI88xzBznp-lyffXSuRjG7iO?knynWwVfki4m8si8yIFn1LKXzAYw5



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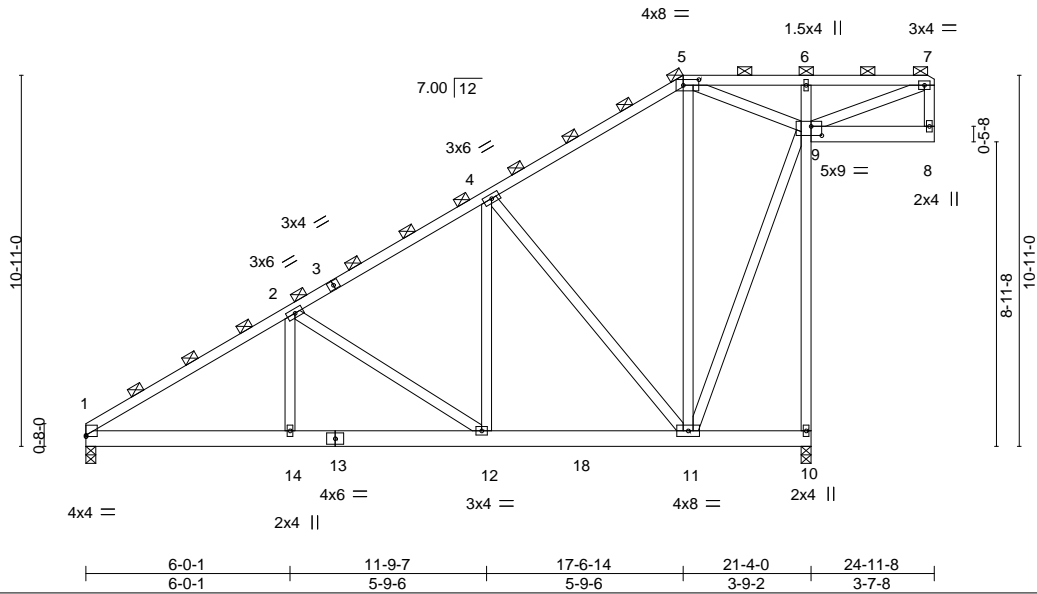


Plate Offsets (X, Y)--	[1:0-0-0,0-0-8], [5:0-5-8,0-2-0], [9:0-3-12,0-3-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	5-0-0	TC 0.58	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.31	Vert(LL) -0.04 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.62	Vert(CT) -0.08 12-14 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.02 10 n/a n/a		
	Code IRC2015/TP12014			Weight: 389 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
BOT CHORD 2x6 SP No.2 *Except* 6-10: 2x4 SP No.3	(Switched from sheeted: Spacing > 2-0-0).
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.

REACTIONS.
(size) 1=0-3-8, 10=0-3-8
Max Horz 1=741(LC 8)
Max Uplift 10=-365(LC 8)
Max Grav 1=2057(LC 1), 10=2906(LC 1)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3037/0, 2-4=-2008/0, 4-5=-827/21, 5-6=-86/697, 6-7=-86/639
BOT CHORD 1-14=-501/2573, 12-14=-501/2573, 11-12=-294/1683, 9-10=-2824/393, 6-9=-660/272
WEBS 2-14=0/555, 2-12=-1071/248, 4-12=0/1081, 4-11=-1775/316, 5-11=0/430, 9-11=-247/1524, 5-9=-1309/125, 7-9=-697/94

- 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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row 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 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); end vertical left and right exposed; 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 H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. This connection is for uplift only and does not consider lateral forces.



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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job 27056-27056A	Truss E1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369605
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:46 2021 Page 1

ID:Kw81U5ppKBrCuY1xLSl88xzBznp-hLnPx8vhrINTdJu94CZOa4pACat5A952i5WSOPzAYw3

0-10-8 14-4-0 32-6-0 33-4-8
0-10-8 14-4-0 18-2-0 0-10-8

Scale = 1:74.9

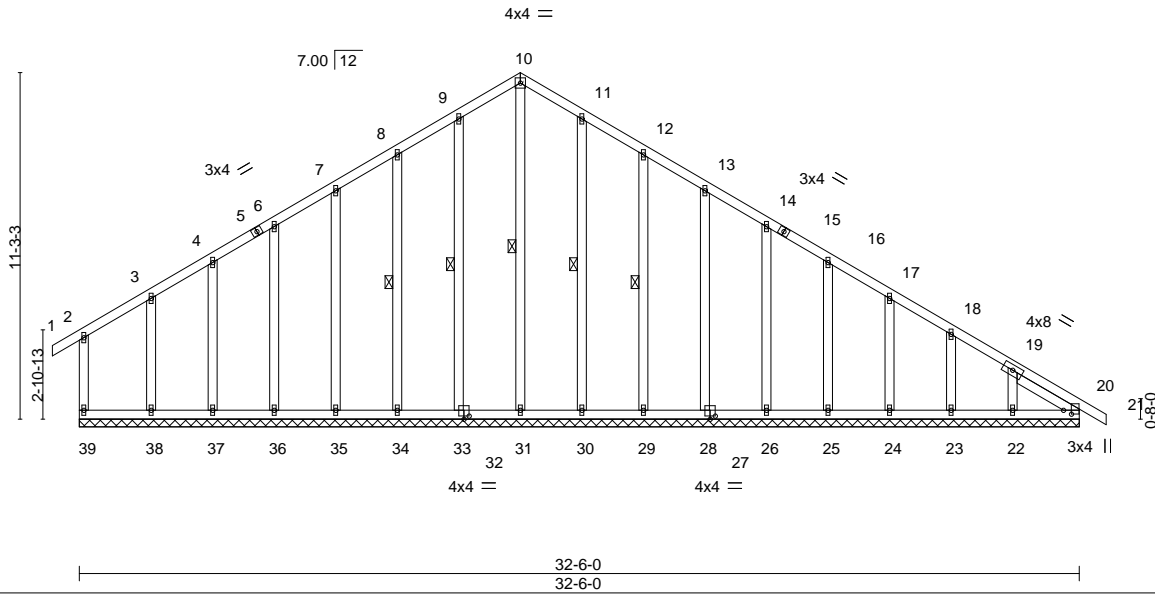


Plate Offsets (X,Y)-- [20:0-1-8,0-3-1], [28:0-2-0,0-1-4], [32:0-2-0,0-1-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) -0.00 20 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.19	Vert(CT) -0.00 20 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 20 n/a n/a		
	Code IRC2015/TPI2014			Weight: 255 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 10-31, 9-33, 8-34, 11-30, 12-29
OTHERS 2x4 SP No.3	
SLIDER Right 2x4 SP No.3 -t 2-4-5	

REACTIONS. All bearings 32-6-0.
 (lb) - Max Horz 39=264(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 39, 31, 33, 34, 35, 36, 37, 38, 30, 29, 28, 26, 25, 24, 23, 22, 20
 Max Grav All reactions 250 lb or less at joint(s) 39, 33, 34, 35, 36, 37, 38, 30, 29, 28, 26, 25, 24, 23, 22, 20 except 31=283(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 7-8=-249/290, 8-9=-293/343, 9-10=-328/384, 10-11=-328/384, 11-12=-293/343, 12-13=-249/290, 19-20=-269/252
 WEBS 10-31=-314/209

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=33ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-4-0, Exterior(2) 2-4-0 to 14-4-0, Corner(3) 14-4-0 to 17-7-0, Exterior(2) 17-7-0 to 33-4-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 9) N/A
 - 10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 20.



June 2,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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

Job 27056-27056A	Truss E2	Truss Type Common	Qty 7	Ply 1	70 SOUTH CREEK	146369606
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84 Components (Dunn),

Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:48 2021 Page 1

ID:Kw81U5ppKBrCuYlxLSI88xzBznp-djvAMpxxNvdBsc2YBcbgVuMyNN5e_SKAP?ZTizAYw1



Scale = 1:71.4

Plate Offsets (X,Y)--	[2:0-3-0,0-1-8], [3:0-4-8,0-3-0], [5:0-4-8,0-3-0], [8:0-3-15,Edge], [11:0-3-0,0-3-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.72	Vert(LL)	-0.10 11-12	>999	240	MT20	197/144
TCDL 10.0	Lumber DOL	1.15	BC 0.81	Vert(CT)	-0.21 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.46	Horz(CT)	0.06 8	n/a	n/a		
BCDL 10.0	Code IRC2015/TPI2014		Matrix-MS					Weight: 204 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-12, 5-12
SLIDER Right 2x4 SP No.3 -t 2-6-0	

REACTIONS. (size) 15=0-3-8, 8=0-3-8
 Max Horz 15=-266(LC 10)
 Max Uplift 15=-109(LC 12), 8=-107(LC 12)
 Max Grav 15=1356(LC 1), 8=1346(LC 1)

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

TOP CHORD	2-3=-1377/190, 3-4=-1226/252, 4-5=-1227/260, 5-6=-1764/229, 6-8=-2041/210, 2-15=-1289/212
BOT CHORD	14-15=-185/279, 12-14=0/1229, 11-12=-24/1430, 10-11=-113/1731, 8-10=-113/1731
WEBS	3-12=-298/122, 4-12=-111/812, 6-11=-354/103, 2-14=-45/1122, 5-12=-742/160, 5-11=0/386

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-4-8, Interior(1) 2-4-8 to 14-4-0, Exterior(2) 14-4-0 to 17-7-0, Interior(1) 17-7-0 to 33-4-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 15 and 8. This connection is for uplift only and does not consider lateral forces.



June 2, 2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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Job 27056-27056A	Truss H1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369607
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:49 2021 Page 1
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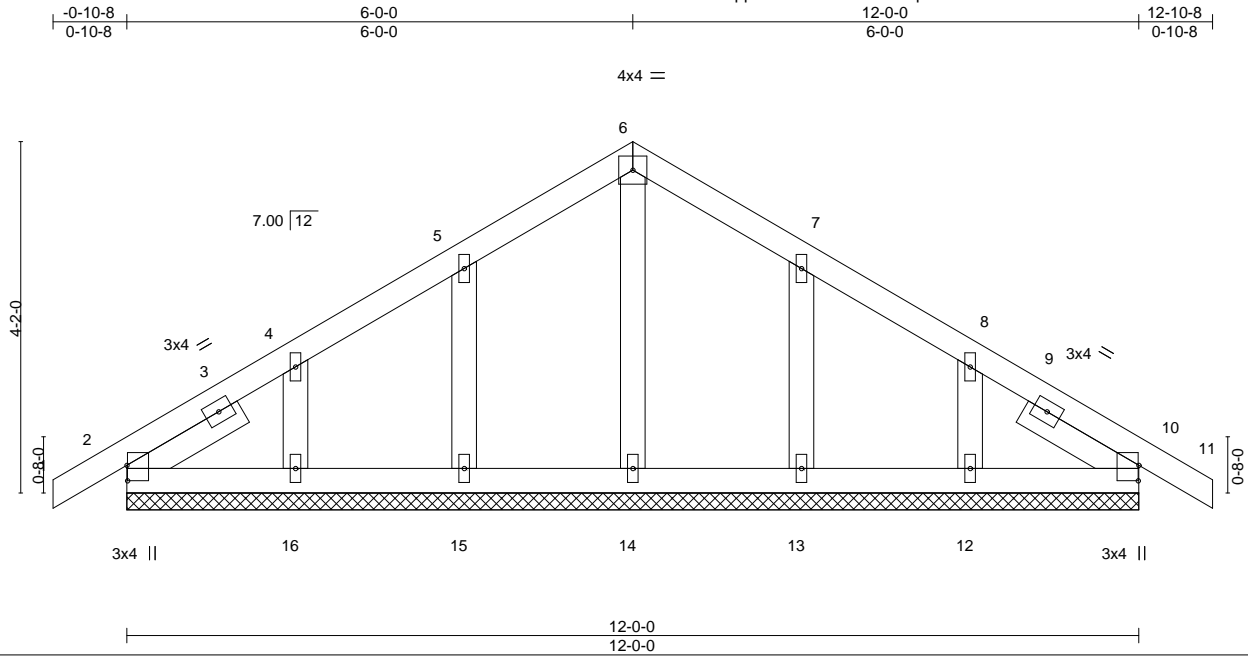


Plate Offsets (X, Y)--	[2:0-2-3,0-0-1], [10:0-2-3,0-0-1]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.05	Vert(LL) -0.00 10 n/r 120	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.00 10 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 10 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-P		Weight: 63 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 -t 1-6-6, Right 2x4 SP No.3 -t 1-6-6	

REACTIONS. All bearings 12-0-0.
 (lb) - Max Horz 2--80(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
 Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-0-0, Exterior(2) 2-0-0 to 6-0-0, Corner(3) 6-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-10-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.



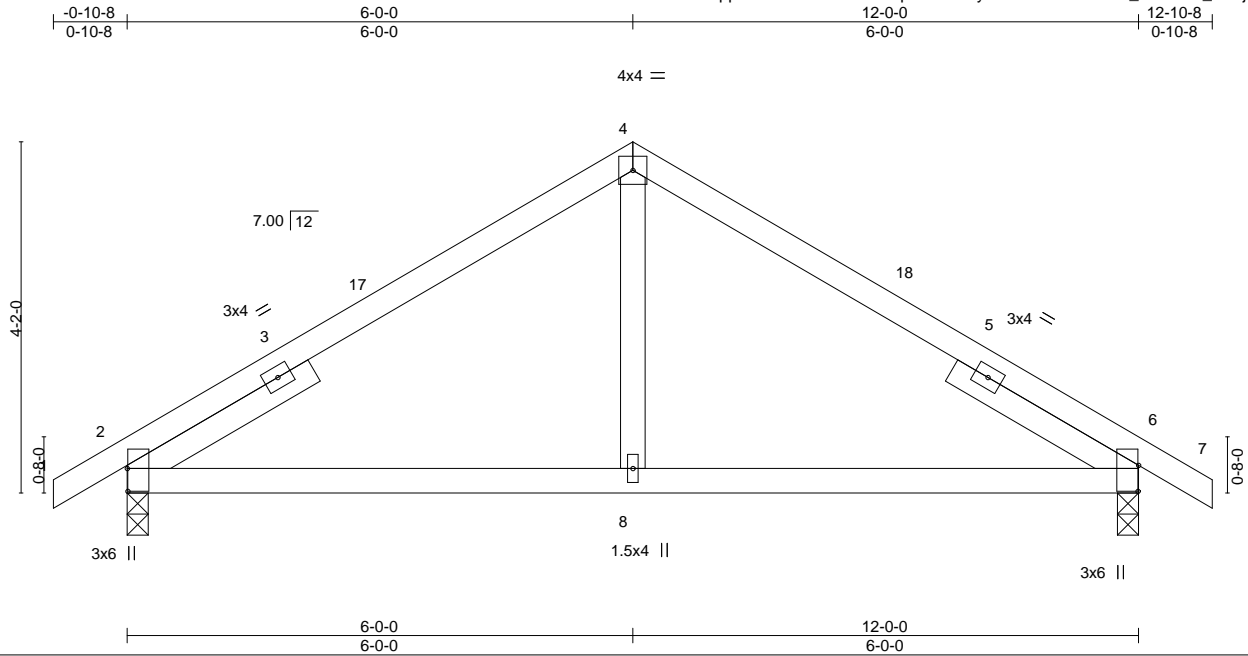
June 2, 2021

Job 27056-27056A	Truss H2	Truss Type Common	Qty 5	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369608
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:50 2021 Page 1

ID:Kw81U5ppKBrCuYlXLSI88xzBznp-Z61wnVyBvWtu6wBxJ1dKlw_mSB9n6_RddjUgXAZAYw?



Scale = 1:27.3

Plate Offsets (X, Y)--	[2:0-3-4,0-0-1], [6:0-3-11,0-0-1]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.46	Vert(LL) -0.04 8-15 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.41	Vert(CT) -0.07 8-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(CT) 0.02 2 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MP		Weight: 55 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 -t 2-6-0, Right 2x4 SP No.3 -t 2-6-0	

REACTIONS. (size) 2=0-3-0, 6=0-3-0
 Max Horz 2=80(LC 11)
 Max Uplift 2=-57(LC 12), 6=-57(LC 12)
 Max Grav 2=533(LC 1), 6=532(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-491/100, 4-6=-491/100
 BOT CHORD 2-8=0/405, 6-8=0/405
 WEBS 4-8=0/271

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 6-0-0, Exterior(2) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 12-10-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.

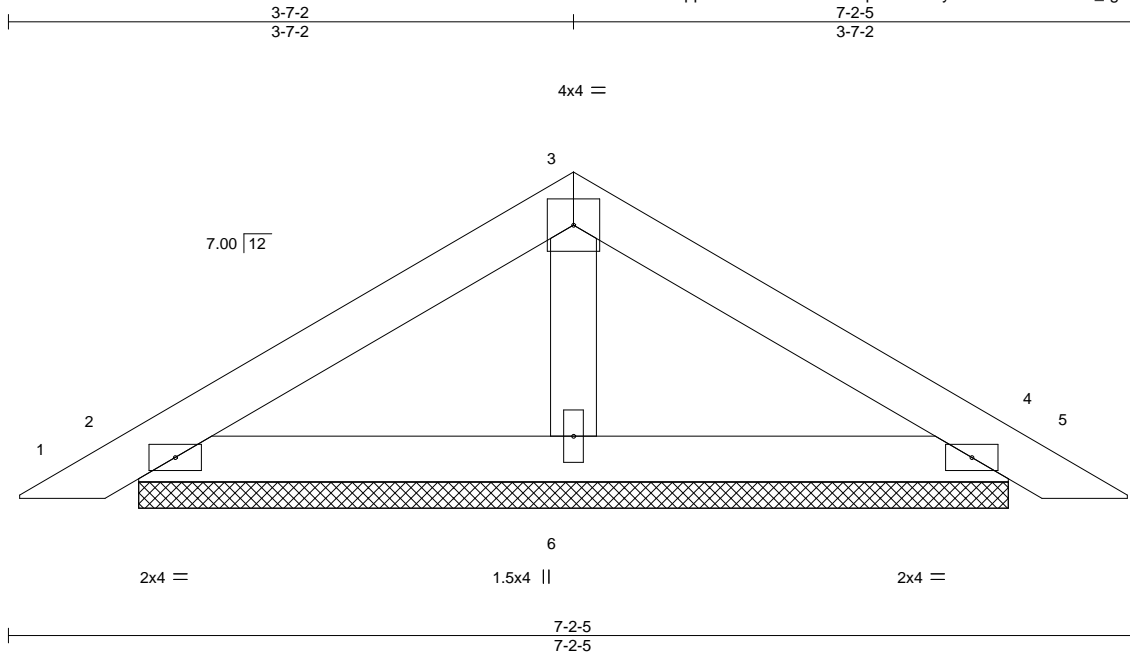


June 2, 2021

Job 27056-27056A	Truss PB1	Truss Type Piggyback	Qty 23	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369609
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:50 2021 Page 1
ID:Kw81U5ppKBrCuYlXLSl88xzBznp-Z61wnVyBvWtu6wBxJ1dKlW_rgBEx6?dddjUgXAZAYw?



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	0.00	5	n/r	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.03	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 22 lb	FT = 20%
	Code IRC2015/TPI2014							

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

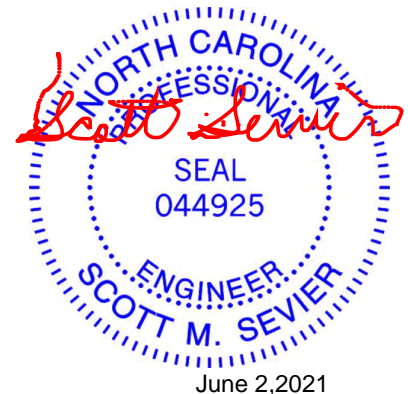
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=5-6-6, 4=5-6-6, 6=5-6-6
 Max Horz 2=-38(LC 10)
 Max Uplift 2=-38(LC 12), 4=-38(LC 12)
 Max Grav 2=147(LC 1), 4=147(LC 1), 6=206(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 Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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) N/A
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



June 2, 2021

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

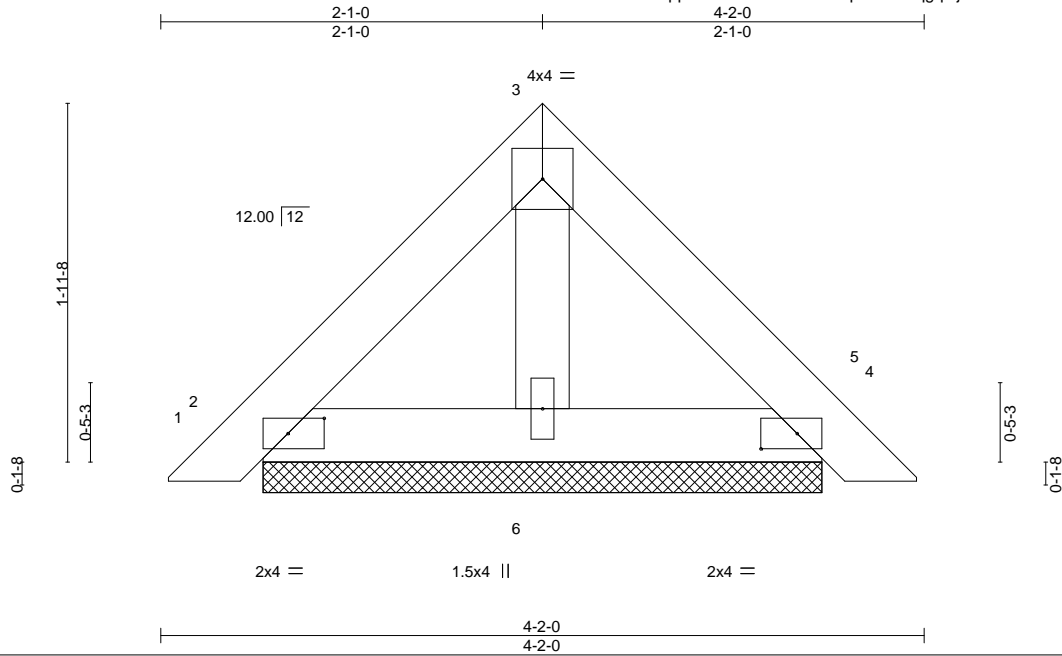


818 Soundside Road
Edenton, NC 27932

Job 27056-27056A	Truss PB6	Truss Type Piggyback	Qty 12	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369610
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:51 2021 Page 1
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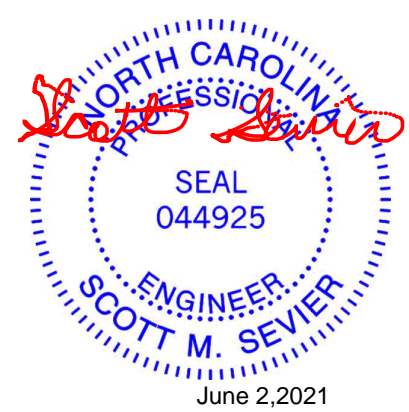
Plate Offsets (X, Y)--	[2:0-2-6,0-1-0], [4:0-2-6,0-1-0]							
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.04	Vert(LL) 0.00	4	n/r	120	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.02	Vert(CT) 0.00	4	n/r	120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.01	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 15 lb	FT = 20%
	Code IRC2015/TPI2014							

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

REACTIONS. (size) 2=3-0-10, 4=3-0-10, 6=3-0-10
 Max Horz 2=-41(LC 10)
 Max Uplift 2=-27(LC 12), 4=-27(LC 12)
 Max Grav 2=95(LC 1), 4=95(LC 1), 6=95(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 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - N/A
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

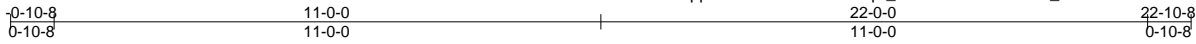


Job 27056-27056A	Truss T1GE	Truss Type Common Supported Gable	Qty 1	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369611
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:53 2021 Page 1

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Scale = 1:46.4

Plate Offsets (X,Y)--	[2:0-2-3,0-0-1], [14:0-2-3,0-0-1]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) 0.00 14 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) 0.00 15 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 14 n/a n/a		
	Code IRC2015/TPI2014			Weight: 132 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 -t 1-8-1, Right 2x4 SP No.3 -t 1-8-1	

REACTIONS. All bearings 22-0-0.
 (lb) - Max Horz 2--138(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 22, 24, 25, 19, 18, 17, 16, 14
 Max Grav All reactions 250 lb or less at joint(s) 2, 20, 21, 22, 24, 25, 19, 18, 17, 16, 14

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 Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 14-0-0 to 22-10-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.



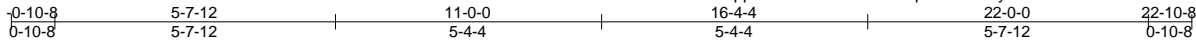
June 2,2021

Job 27056-27056A	Truss T2	Truss Type Common	Qty 6	Ply 1	70 SOUTH CREEK Job Reference (optional)	146369612
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84 Components (Dunn), Dunn, NC - 28334,

8.510 s May 26 2021 MiTek Industries, Inc. Tue Jun 1 19:29:54 2021 Page 1

ID:Kw81U5ppKBrCuYiXLSl88xzBznp-StGRdt?jyIOKaXViYtiGvm8UloUz2n8DYLStfyzAYvx



4x6 ||

Scale = 1:46.4

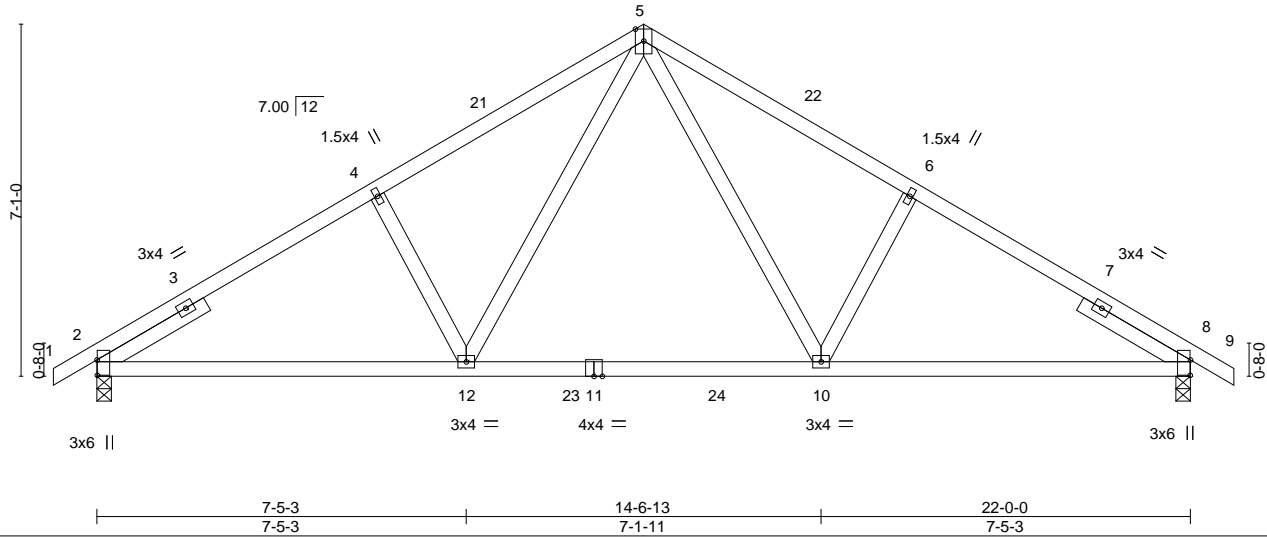


Plate Offsets (X,Y)--	[2:0-3-11,0-0-1], [8:0-3-11,0-0-1]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.34	Vert(LL) -0.12 10-12 >999 240	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.52	Vert(CT) -0.18 10-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.19	Horz(CT) 0.03 8 n/a n/a		
BCDL 10.0	Code IRC2015/TPI2014	Matrix-MS		Weight: 115 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-11 oc purlins.
BOT CHORD 2x4 SP No.2 or 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 -t 2-6-0, Right 2x4 SP No.3 -t 2-6-0	

REACTIONS.	(size) 2=0-3-8, 8=0-3-8
	Max Horz 2=138(LC 10)
	Max Uplift 2=81(LC 12), 8=81(LC 12)
	Max Grav 2=932(LC 1), 8=932(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-4=-1160/163, 4-5=-1149/203, 5-6=-1149/203, 6-8=-1160/163
BOT CHORD	2-12=-52/1093, 10-12=0/738, 8-10=-58/1041
WEBS	5-10=-50/496, 6-10=-286/145, 5-12=-50/496, 4-12=-286/145

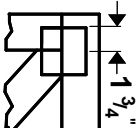
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-10-8 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.



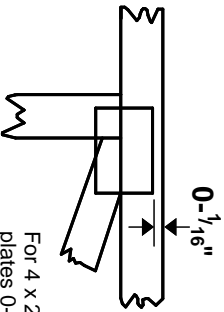
June 2, 2021

Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING LOCATION



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

BEARING



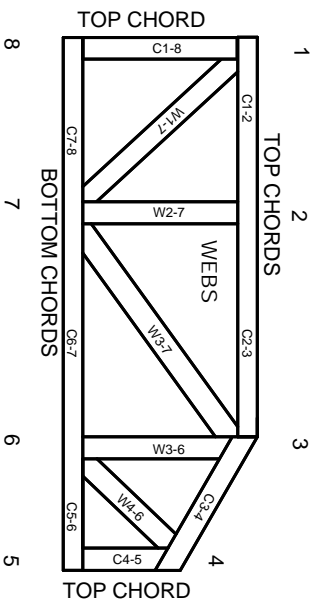
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



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/TFP 1 section 6.3 These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TFP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TFP 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. Rewriting pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TFP 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.