



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

45324

73

RE: V0735 - HARTZOG RES

MiTek USA, Inc.

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Site Information:

Customer Info: HARTZOG RES Project Name: 000 Model: 000
Lot/Block: 000 Subdivision: 000
Address: 000, 000
City: 000 State: 000

Name Address and License # of Structural Engineer of Record, if there is one, for the building.

Name: License #:
Address: State:
City:

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

Design Code: FRC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 140 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 44 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T28119926	CAP1	6/27/22	23	T28119948	T12	6/27/22
2	T28119927	CAP2	6/27/22	24	T28119949	T13	6/27/22
3	T28119928	CAP3	6/27/22	25	T28119950	T14	6/27/22
4	T28119929	CAP4	6/27/22	26	T28119951	T15	6/27/22
5	T28119930	CAP5	6/27/22	27	T28119952	T16	6/27/22
6	T28119931	CJ1	6/27/22	28	T28119953	T17	6/27/22
7	T28119932	EJ1	6/27/22	29	T28119954	T18	6/27/22
8	T28119933	EJ7	6/27/22	30	T28119955	T19	6/27/22
9	T28119934	EJ7A	6/27/22	31	T28119956	T20	6/27/22
10	T28119935	SJ3	6/27/22	32	T28119957	T21	6/27/22
11	T28119936	SJ5	6/27/22	33	T28119958	T22	6/27/22
12	T28119937	T1	6/27/22	34	T28119959	T23	6/27/22
13	T28119938	T2	6/27/22	35	T28119960	T24	6/27/22
14	T28119939	T3	6/27/22	36	T28119961	T25	6/27/22
15	T28119940	T4	6/27/22	37	T28119962	T26	6/27/22
16	T28119941	T5	6/27/22	38	T28119963	T27	6/27/22
17	T28119942	T6	6/27/22	39	T28119964	T28	6/27/22
18	T28119943	T7	6/27/22	40	T28119965	T29	6/27/22
19	T28119944	T8	6/27/22	41	T28119966	T30	6/27/22
20	T28119945	T9	6/27/22	42	T28119967	T31	6/27/22
21	T28119946	T10	6/27/22	43	T28119968	T32	6/27/22
22	T28119947	T11	6/27/22	44	T28119969	V1	6/27/22

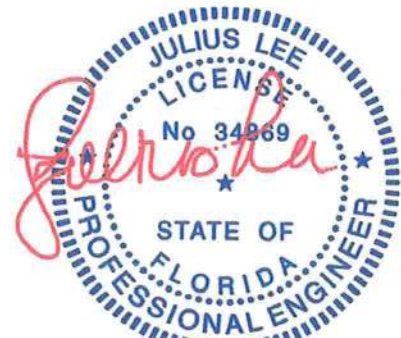


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Duley Truss.

Truss Design Engineer's Name: Lee, Julius

My license renewal date for the state of Florida is February 28, 2023.

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.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

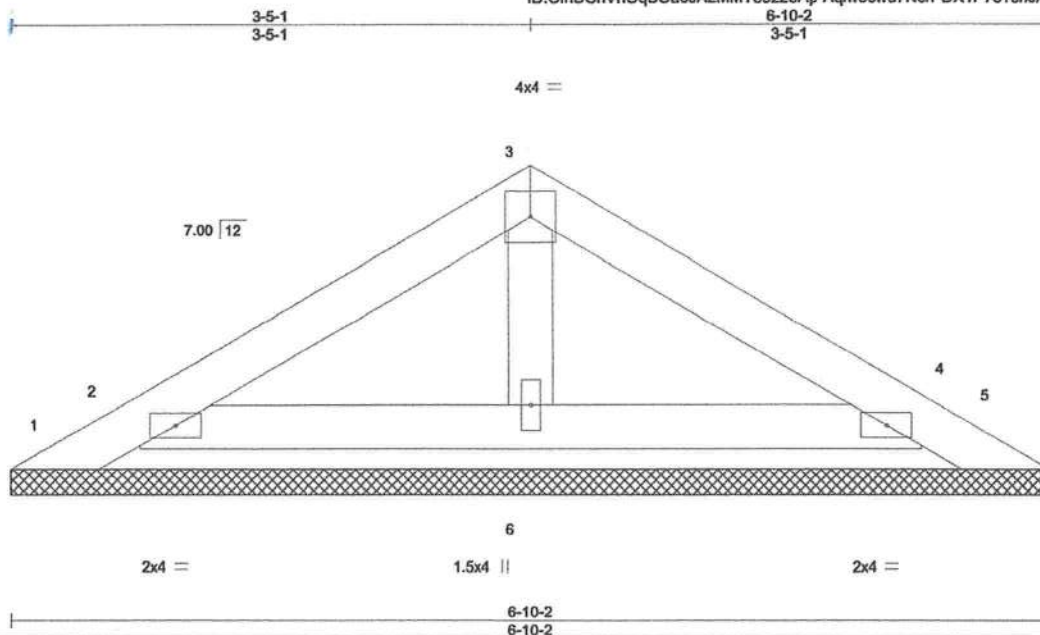
Lee, Julius

1 of 1

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119926
V0735	CAP1	GABLE	3	1		

Duley Truss, Dunnellon, FL - 34430.

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:24 2022 Page 1
ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-Aqlwocwd7NcrPDX1P757snJABWqLbR_m7joEfWz22iP



Scale = 1:14.7

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-P						Weight: 21 lb	FT = 20%

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

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

REACTIONS: All bearings 6-10-2.
(lb) - Max Horz 1=60(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 2=141(LC 12), 4=141(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 2, 4, 6

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 6 except (jt=b) 2=141, 4=141.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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 1 Quality Criteria, DSB-89 and BCS Building Component

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

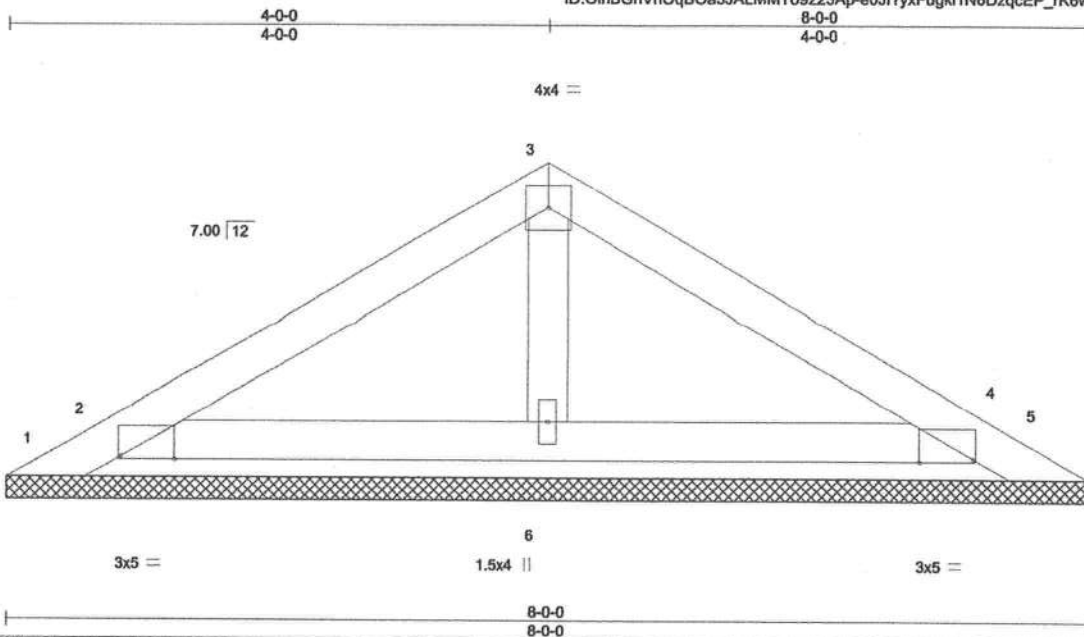


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119927
V0735	CAP2	GABLE	18	1		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:25 2022 Page 1
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Scale = 1:16.5

Plate Offsets (X,Y)=[2:0-4-13,Edge], [4:0-4-13,Edge]

LOADING (psf)	SPACING-	2:0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-P						Weight: 25 lb	FT = 20%

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

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

REACTIONS. All bearings 8-0-0.
(lb) - Max Horz 1=71(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6 except 1=122(LC 17), 2=193(LC 12), 4=193(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 2=295(LC 17), 4=278(LC 18)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-8 to 3-3-8, Interior(1) 3-3-8 to 4-0-0, Exterior(2R) 4-0-0 to 7-1-13, Interior(1) 7-1-13 to 7-8-8 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6 except (jt=lb) 1=122, 2=193, 4=193.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2570 Crain Highway, Suite 203 Waldorf, MD 20601



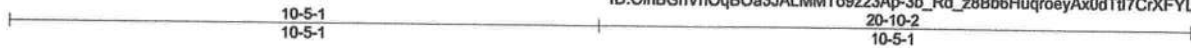
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119928
V0735	CAP3	GABLE	2	1		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:28 2022 Page 1

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Scale = 1:39.4

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	13	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-S							
									Weight: 102 lb	FT = 20%

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

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

REACTIONS. All bearings 20-10-2.
(lb) - Max Horz 1=194(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 20, 21, 22, 23, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 2, 19, 20, 21, 22, 23, 17, 16, 15, 14, 12

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-8 to 3-3-8, Interior(1) 3-3-8 to 10-5-1, Exterior(2R) 10-5-1 to 13-5-1, Interior(1) 13-5-1 to 20-6-10 zone; cantilever left and right exposed; and 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 20, 21, 22, 23, 17, 16, 15, 14.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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

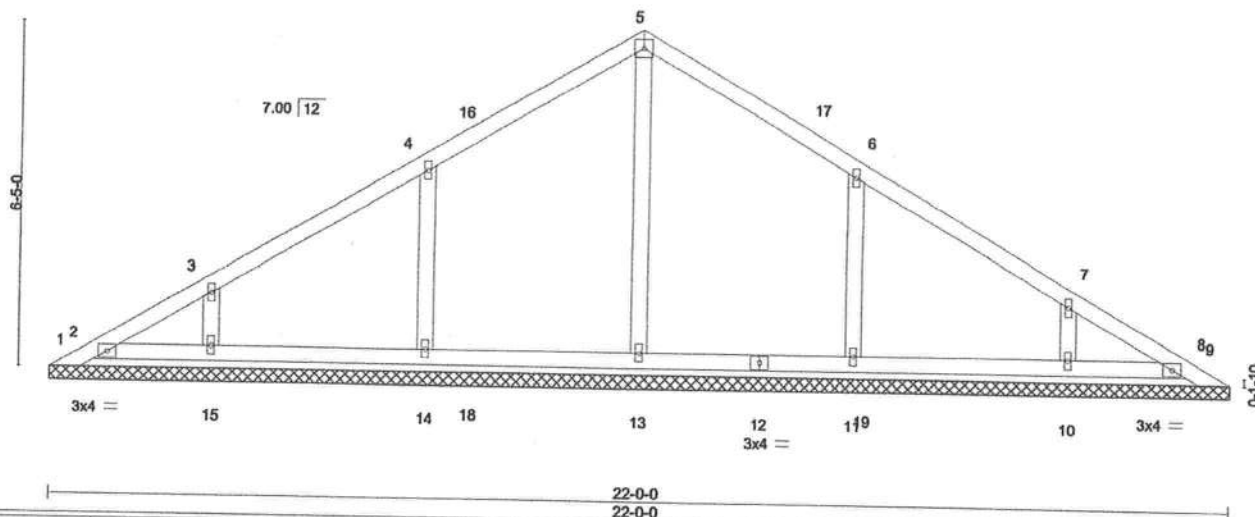
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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

MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:30 2022 Page 1
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22-0-0
11-0-0

Weight: 90 lb FT = 20%

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

Max Grav All reactions 250 lb or less at joint(s) 1, 9, 2, 8 except 13=365(LC 17), 14=440(LC 17), 15=320(LC 17), 11=440(LC 18), 10=319(LC 18)

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDD=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpf=0.18; MWFRS (directional) and C-C Exterior(2E) 0.3-8 to 3.0-0, Interior(1) 3.0-0 to 11.0-0, Exterior(2R) 11.0-0 to 14.0-0, Interior(1) 14.0-0 to 21.8-8 zone; cantilever left and right exposed ; and 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 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 2 except (jt=lb) 14=191, 15=145, 11=191, 10=145.
- 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



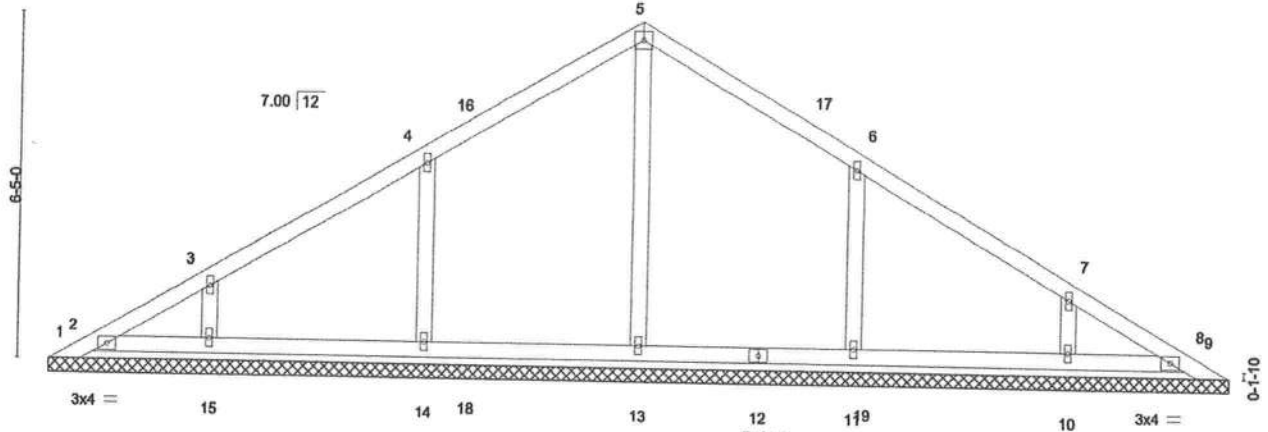
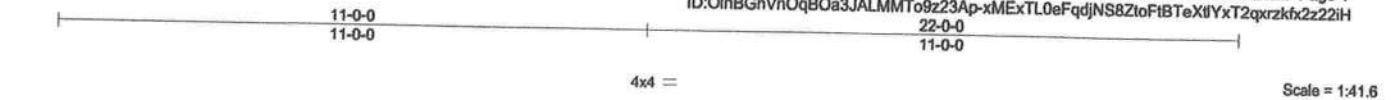
June 28, 2022

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.



Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119930
V0735	CAP5	GABLE	2	2		
Duley Truss, Dunnellon, FL - 34430,						

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:32 2022 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	9	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-S							
Weight: 180 lb FT = 20%										

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

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 1=206(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 2 except 14=191(LC 12), 15=145(LC 12), 11=191(LC 12), 10=145(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 2, 8 except 13=365(LC 17), 14=440(LC 17), 15=320(LC 17), 11=440(LC 18), 10=319(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-14=271/259, 6-11=271/259

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: 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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Endl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-8 to 3-0-0, Interior(1) 3-0-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 4-0-0 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 2 except (jt=lb) 14=191, 15=145, 11=191, 10=145.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119931
V0735	CJ1	Diagonal Hip Girder	2	1		

Duley Truss, Dunnellon, FL - 34430,

Job Reference (optional)

8,430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:34 2022 Page 1
ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-ttLiu12unRtQcily_DHLGuJqdY8DxsGEJHDm?wz22iF



Scale = 1:22.7

The diagram illustrates a structural truss system with the following components and dimensions:

- Members:**
 - Top chord: 1, 2, 3, 4
 - Bottom chord: 13, 14
 - Verticals: 7
 - Diagonals: 11, 12
 - Other: 5, 6
- Dimensions:**
 - Overall height: 2'-0" to 12'
 - Overall width: 1'-8" to 14'
 - Member 2: 2'-12" to 12'
 - Member 3: 3'-4" to 12'
 - Member 7: 1'-5" to 11'
 - Member 5: 3'-4" to 5'
- Plate Offsets (X, Y):**
 - 5-6-5
 - 5-6-5
 - 9-10-1
 - 4-3-12

LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	-0.06 7-10 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.08 6-7 >999 180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.01 5 n/a n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS					
								Weight: 40 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 8-9-6 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical
Max Horz 2=140(LC 4)
Max Uplift 4=96(LC 4), 2=417(LC 4), 5=95(LC 4)
Max Grav 4=117(LC 1), 2=542(LC 28), 5=317(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1170/444
BOT CHORD 2-7=-506/1149, 6-7=-506/1149
WEBS 3-7=0/251, 3-6=-1185/522

NOTES-

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (it=lb) 2=417.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 30 lb down and 47 lb up at 4-1-14, 30 lb down and 47 lb up at 4-1-14, and 54 lb down and 100 lb up at 6-11-13, and 54 lb down and 100 lb up at 6-11-13 on top chord, and 99 lb down and 100 lb up at 1-3-15, 99 lb down and 100 lb up at 1-3-15, 14 lb down at 4-1-14, 14 lb down at 4-1-14, and 32 lb down at 6-11-13, and 32 lb down at 6-11-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 10=92(F=46, B=46) 11=0(F=0, B=0) 12=-66(F=-33, B=-33) 13=-14(F=-7, B=-7) 14=-64(F=-32, B=-32)



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June 28, 2022

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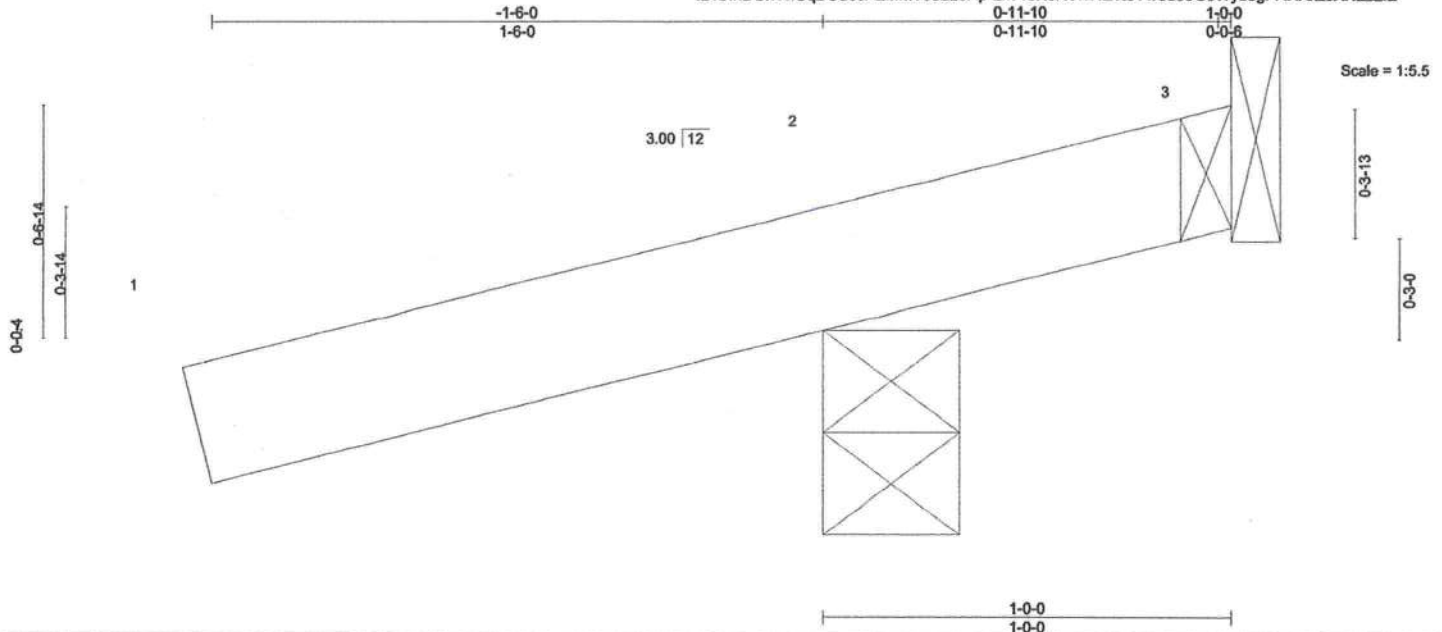
16023 Swingley Ridge Rd
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Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119932
V0735	EJ1	Jack-Open	4	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

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ID:OlnBGnVnQoB0a3JALMMTo9z23Ap-Lxv45N3XYI7HEvt8Ywoao5G0WybsgPANXxzJXNz22iE



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	0.00	2	>999	240		
TCDL 7.0	Lumber DOL	1.25	BC 0.00	Vert(CT)	0.00	2	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MP						Weight: 4 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D

REACTIONS. (size) 3=Mechanical, 2=0-4-0
Max Horz 2=43(LC 8)
Max Uplift 3=72(LC 1), 2=260(LC 8)
Max Grav 3=108(LC 8), 2=209(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 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 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.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=260.
- 5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119933
V0735	EJ7	Jack-Open	6	1		

Duley Truss, Dunnellon, FL - 34430,

8,430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:36 2022 Page 1
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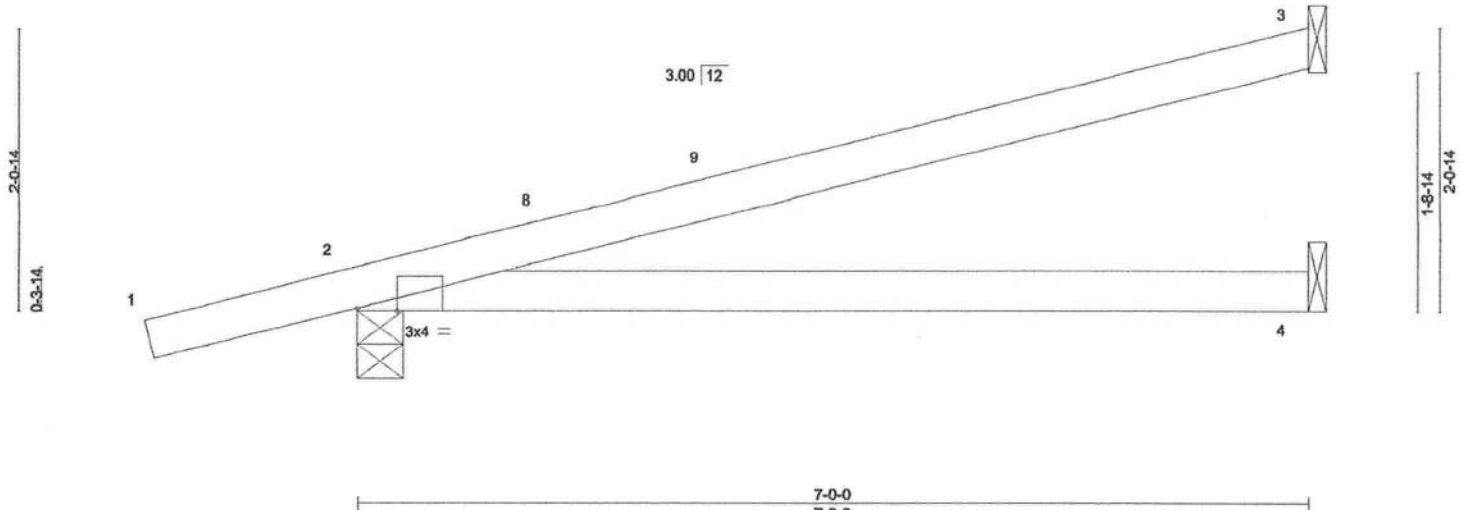


Plate Offsets (X,Y)- [2:0-3-8,Edge]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	0.17 4-7	>484	240
TCDL 7.0	Lumber DOL	1.25	BC 0.63	Vert(CT)	-0.19 4-7	>446	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00 3	n/a	n/a
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MP				
						Weight: 24 lb	FT = 20%

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

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) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=120(LC 8)
Max Uplift 3=-120(LC 8), 2=-215(LC 8)
Max Grav 3=161(LC 1), 2=349(LC 1), 4=122(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-7 to 1-5-9, Interior(1) 1-5-9 to 6-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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) except (jt=lb) 3=120, 2=215.



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Date:

June 28, 2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	EJ7A	Jack-Open	2	1	T28119934

Dufey Truss, Dunnellon, FL - 34430,

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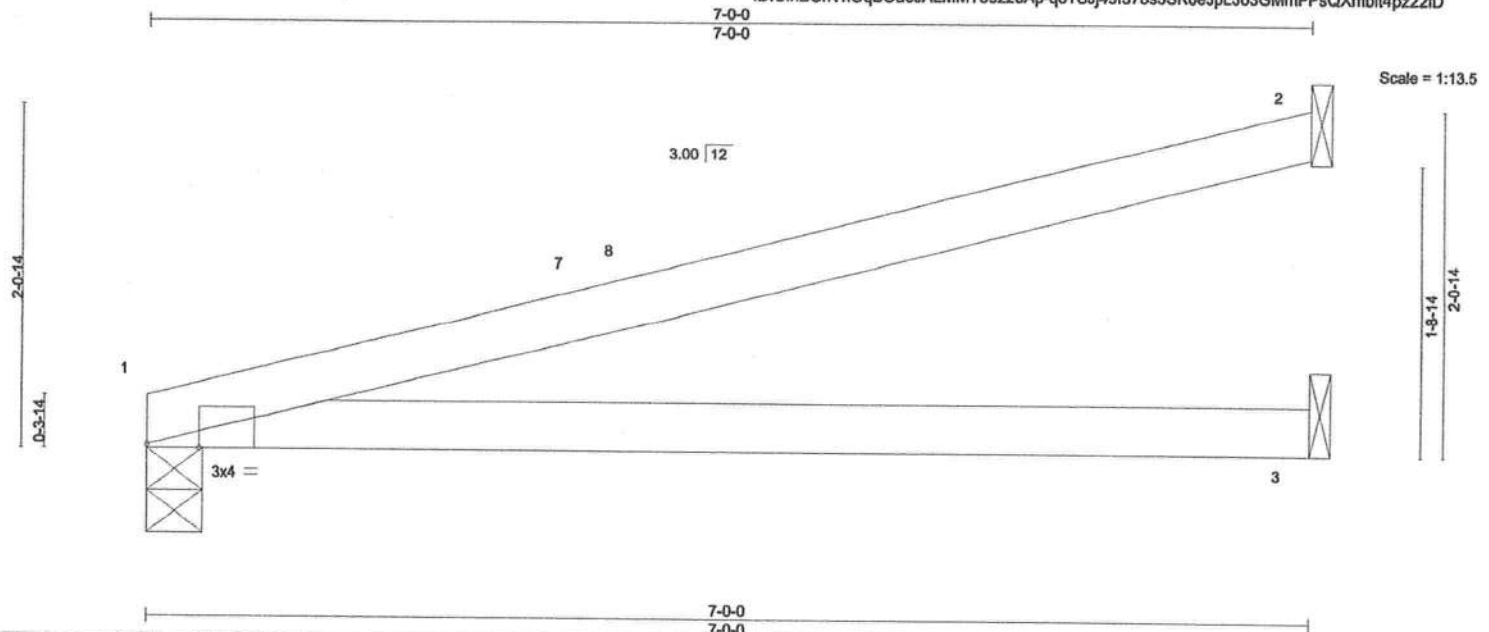


Plate Offsets (X,Y)–		[1:0-3-12,Edge]		7'-0"							
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)		l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.76	Vert(LL)	0.19 3-6	>439	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.68	Vert(CT)	-0.21 3-6	>405	180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.00	Horz(CT)	-0.00 2	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MP						Weight: 21 lb	FT = 20%

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

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

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical
Max Horz 1=91(LC 8)
Max Uplift 1=99(LC 8), 2=126(LC 8)
Max Grav 1=257(LC 1), 2=165(LC 1), 3=123(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16: Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl.; GCpl=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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" tall by 2'-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) 1 except (jt=lb) 2=126.



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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119935
V0735	SJ3	Corner Jack	4	1		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:37 2022 Page 1

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3-0-0
3-0-0

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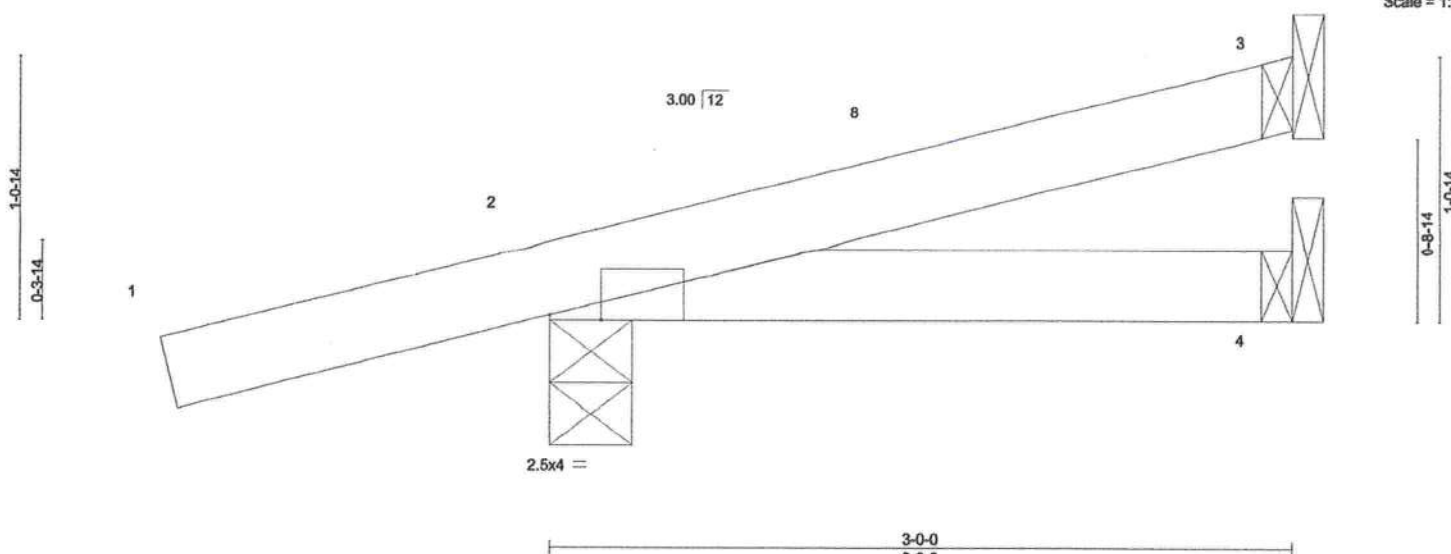


Plate Offsets (X,Y)- [2:0-2-8,Edge]										3-0-0									
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.20	Vert(LL)	-0.00	7	>999	240				MT20	244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.09	Vert(CT)	-0.01	7	>999	180							
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.00	Horz(CT)	0.00	2	n/a	n/a							
BCDL	10.0	Code FRC2020/TPI2014				Matrix-MP										Weight: 11 lb	FT = 20%		

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
Max Horz 2=68(LC 8)
Max Uplift 3=33(LC 8), 2=175(LC 8)
Max Grav 3=56(LC 1), 2=213(LC 1), 4=46(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-7 to 1-5-9, Interior(1) 1-5-9 to 2-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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 except (jt=lb) 2=175.



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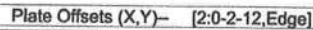
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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Duley Truss, Dunnellon, FL - 34430,

Scale = 1:12.8



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

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical
 Max Horz 2=94(LC 8)
 Max Uplift 3=78(LC 8), 2=192(LC 8)
 Max Grav 3=110(LC 1), 2=278(LC 1), 4=85(LC 3)

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

NOTES.

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCdL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-7 to 1-5-9, Interior(1) 1-5-9 to 4-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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 except (jt=lb) 2=192.



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Date:

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

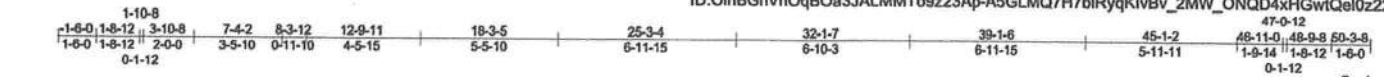
Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119937
V0735	T1	GABLE COMMON	1	1		

Duley Truss, Dunnellon, FL - 34430,

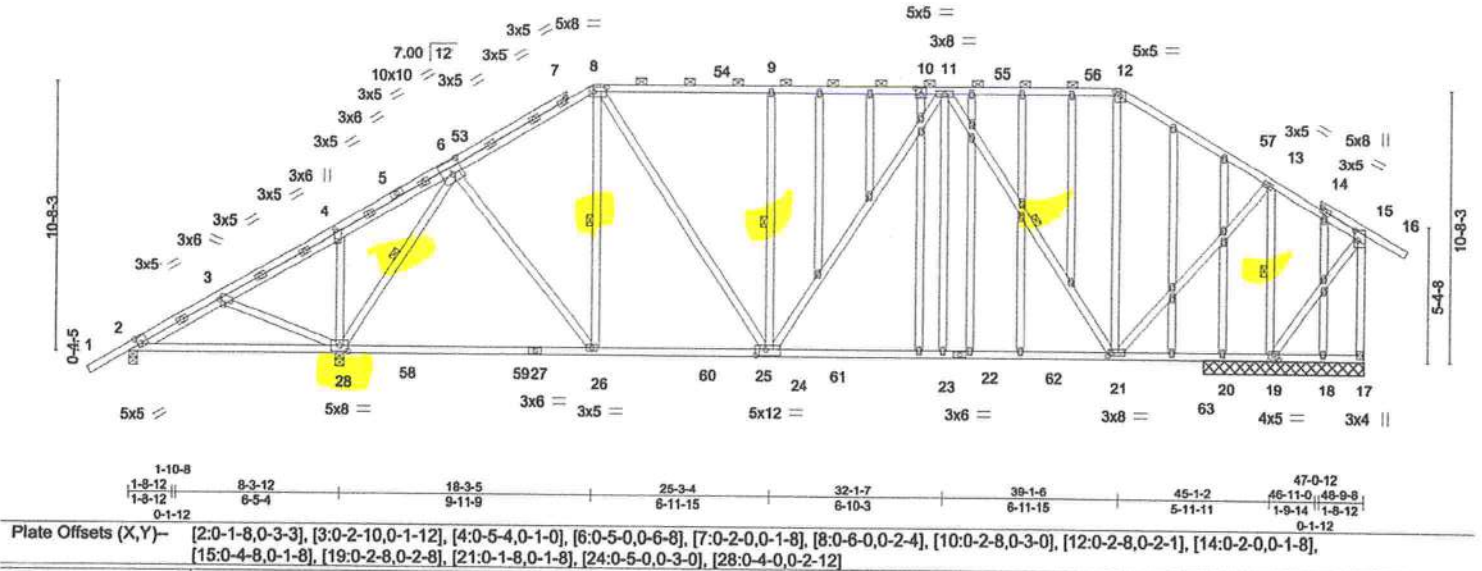
8,430 s Aug 16 2021 MITek Industries, Inc. Mon Jun 27 14:41:41 2022 Page 1

ID:OlnBGNVnOqBOa3JALMMTo9z23Ap-A5GLMQ7H7bRyqKlvBv_2MW_ONQD4xHGwtQel0z22i8

Job Reference (optional)



Scale = 1:88.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.31 26-28	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.90	Vert(CT)	-0.49 26-28	>847	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.04 20	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS					Weight: 485 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-0 max.): 8-12.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-28, 8-26, 9-24, 11-21, 13-19
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 6-4-0 except (it=length) 2=0-4-0, 28=0-4-0.
 (lb) - Max Horz 2=495(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 18 except 2=177(LC 12), 17=195(LC 23), 28=658(LC 12), 19=657(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) 17, 20, 18 except 2=269(LC 21), 28=2346(LC 17), 19=1853(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=285/473, 4-6=167/425, 6-8=1264/612, 8-9=1365/718, 9-11=1365/718, 11-12=779/513, 12-13=946/498
 BOT CHORD 26-28=278/780, 24-26=319/1175, 23-24=385/1312, 21-23=385/1312
 WEBS 6-28=1802/678, 6-26=72/682, 8-24=206/557, 9-24=396/306, 11-23=0/421, 11-21=1037/325, 4-28=301/274, 3-28=309/198, 13-21=363/1258, 13-19=1638/694

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 3-3-11, Interior(1) 3-3-11 to 18-3-5, Exterior(2R) 18-3-5 to 23-1-14, Interior(1) 23-1-14 to 39-1-6, Exterior(2R) 39-1-6 to 43-11-15, Interior(1) 43-11-15 to 50-4-6 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (it=lb) 2=177, 17=195, 28=658, 19=657.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
 MITek Inc. DBA MITek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

June 28, 2022

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119938
V0735	T2	Piggyback Base	1	1		

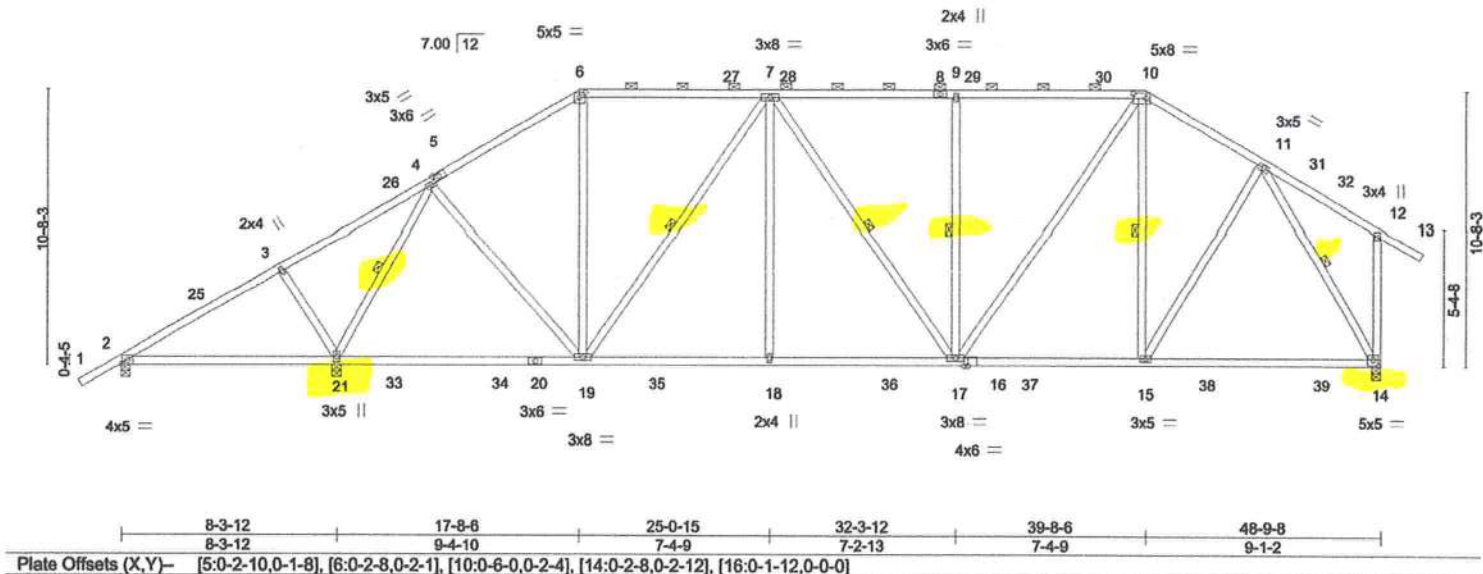
Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:06 2022 Page 1

ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-xvHoc_RzEHvuSgl5sxsZ2D4SyWRFpxgFzS74z22hl

1-6-0	6-2-8	11-11-7	17-8-6	25-0-15	32-3-12	39-8-6	44-1-3	48-9-8	50-3-8
1-6-0	6-2-8	5-8-15	5-8-15	7-4-9	7-2-13	7-4-9	4-4-13	4-8-5	1-6-0

Scale = 1:86.6



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.60	Vert(LL)	-0.29 14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.93	Vert(CT)	-0.47 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.77	Horz(CT)	0.06 14	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS					Weight: 335 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins, except end verticals, and 2-0-0 oc purlins (4-2-13 max.): 6-10.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-21, 7-19, 7-17, 9-17, 10-15, 11-14

REACTIONS. (size) 2=0-4-0, 21=0-4-0, 14=0-4-0
Max Horz 2=500(LC 11)
Max Uplift 2=150(LC 12), 21=741(LC 12), 14=638(LC 12)
Max Grav 2=224(LC 21), 21=2569(LC 17), 14=1884(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=222/413, 3-4=200/547, 4-6=1399/604, 6-7=1152/586, 7-9=1692/754, 9-10=1692/754, 10-11=1534/644, 11-12=224/280, 12-14=309/346
BOT CHORD 2-21=394/211, 19-21=265/738, 18-19=377/1729, 17-18=377/1729, 15-17=286/1256, 14-15=259/916
WEBS 3-21=354/280, 4-21=2107/682, 4-19=75/862, 6-19=66/434, 7-19=903/280, 7-18=0/405, 9-17=420/300, 10-17=252/798, 10-15=285/202, 11-15=104/723, 11-14=1700/411

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 3-3-11, Interior(1) 3-3-11 to 17-8-6, Exterior(2R) 17-8-6 to 24-7-2, Interior(1) 24-7-2 to 39-8-6, Exterior(2R) 39-8-6 to 46-7-2, Interior(1) 46-7-2 to 50-4-6 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=150, 21=741, 14=638.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **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



16023 Swingley Ridge Rd
Chesterfield, MO 63017

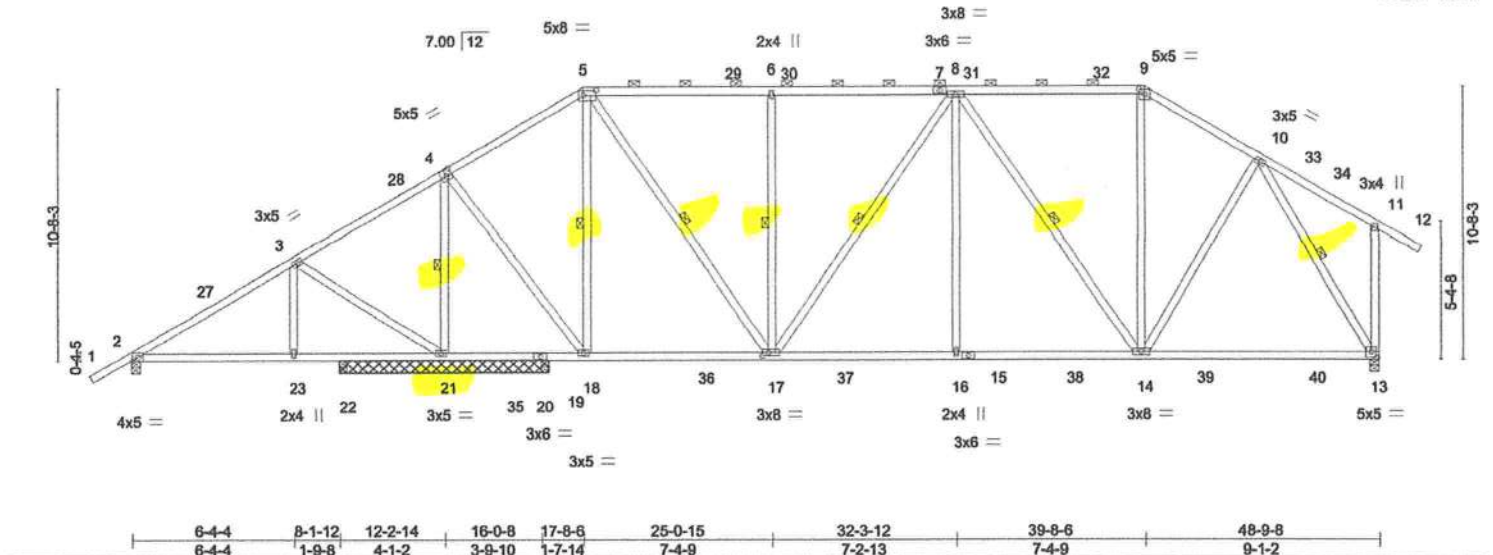
Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119939
V0735	T3	Piggyback Base	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:21 2022 Page 1
ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-7ohTl6cNluomIzO_FbdMgoAnEV3IR439656l8iz22hW

1-6-0	6-4-4	12-2-14	17-8-6	25-0-15	32-3-12	39-8-6	44-1-3	48-9-8	50-3-8
1-6-0	6-4-4	5-10-10	5-5-8	7-4-9	7-2-13	7-4-9	4-4-13	4-8-5	1-6-0

Scale = 1:87.6



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	2-0-0	TC 0.61	Vert(LL)	-0.30 13-14	>999	240	MT20	244/190
TCCL 7.0	Plate Grip DOL 1.25	BC 0.92	Vert(CT)	-0.47 13-14	>826	180		
BCCL 0.0 *	Lumber DOL 1.25	WB 0.61	Horz(CT)	0.05 13	n/a	n/a		
BCCL 10.0	Rep Stress Incr YES	Matrix-MS					Weight: 343 lb	FT = 20%
	Code FRC2020/TP12014							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-3-5 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-14 max.): 5-9.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-21, 5-18, 5-17, 6-17, 8-17, 8-14, 10-13

REACTIONS. All bearings 0-4-0 except (jt=length) 21=8-2-4, 22=0-3-8, 19=0-3-8.
(lb) - Max Horz 2=500(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 19 except 2=251(LC 12), 21=680(LC 12), 13=587(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 22, 19 except 2=451(LC 21), 21=2256(LC 17), 13=1721(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=452/195, 3-4=171/361, 4-5=843/437, 5-6=1289/629, 6-8=1289/629, 8-9=1161/566, 9-10=1369/592, 10-11=223/280, 11-13=309/346
BOT CHORD 2-23=203/435, 22-23=203/435, 21-22=203/435, 19-21=301/247, 18-19=301/247, 17-18=158/687, 16-17=335/1417, 14-16=335/1417, 13-14=230/810
WEBS 3-21=600/280, 4-21=1791/598, 4-18=236/1250, 5-18=812/288, 5-17=339/1110, 6-17=420/299, 8-17=291/112, 8-16=0/380, 8-14=587/194, 9-14=78/391, 10-14=83/612, 10-13=1487/353

- NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 3-3-11, Interior(1) 3-3-11 to 17-8-6, Exterior(2R) 17-8-6 to 24-7-2, Interior(1) 24-7-2 to 39-8-6, Exterior(2R) 39-8-6 to 46-7-2, Interior(1) 46-7-2 to 50-4-6 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 2=251, 21=680, 13=587.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119940
V0735	T4	Piggyback Base	2	1		

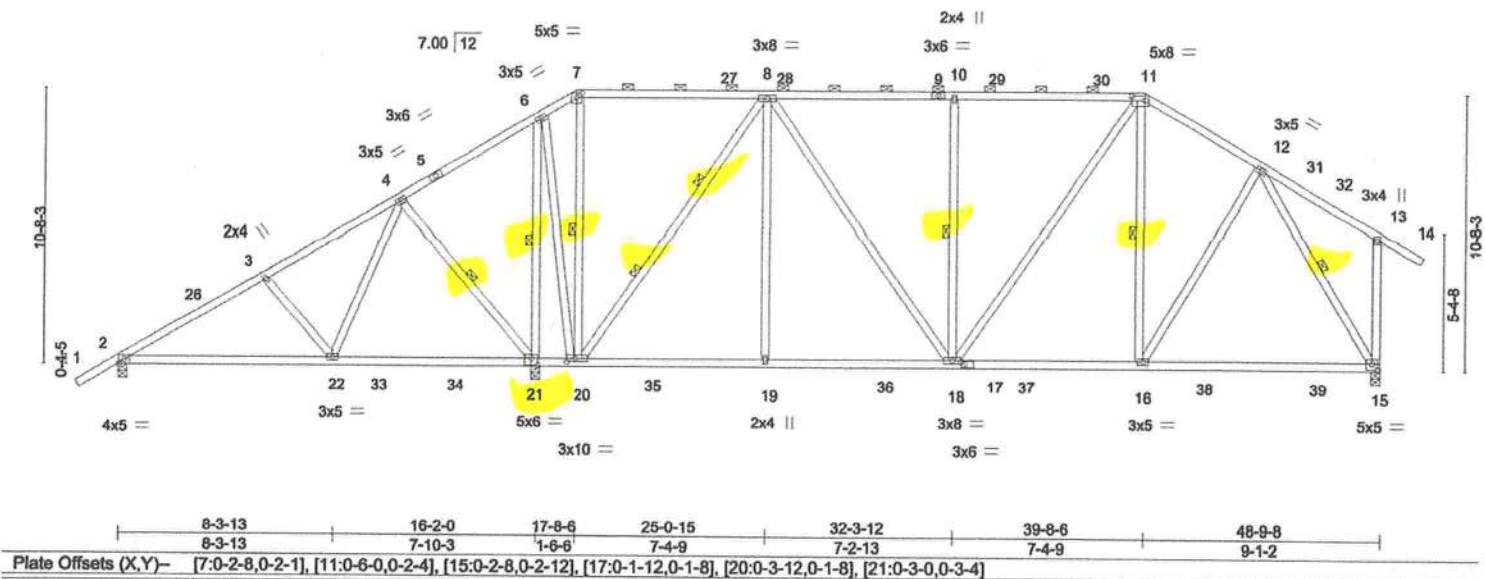
Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:25 2022 Page 1

ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-uZx_bTfum6lBEbhURhlqKTO6RLNrk1j4zHtZ22hS

1-6-0	5-8-6	10-11-3	16-2-0	17-8-6	25-0-15	32-3-12	39-8-6	44-1-3	48-9-8	50-3-8
1-6-0	5-8-6	5-2-13	5-2-13	1-6-6	7-4-9	7-2-13	7-4-9	4-4-13	4-8-5	1-6-0

Scale = 1:86.6



LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.60	Vert(LL) -0.29	15-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.91	Vert(CT) -0.46	15-16	>852	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.78	Horz(CT) 0.04	15	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS					Weight: 360 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-10 max.): 7-11.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	WEBS 6-0-0 oc bracing: 20-21.
	1 Row at midpt 4-21, 6-21, 7-20, 10-18, 11-16, 12-15
	2 Rows at 1/3 pts 8-20

REACTIONS.	(size) 2=0-4-0, 21=0-4-0, 15=0-4-0
Max Horz 2=500(LC 11)	
Max Uplift 2=277(LC 12), 21=726(LC 12), 15=526(LC 12)	
Max Grav 2=648(LC 17), 21=2431(LC 17), 15=1576(LC 18)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=743/232, 3-4=614/227, 4-6=159/333, 6-7=263/305, 7-8=210/286, 8-10=1207/578, 10-11=1207/578, 11-12=1224/531, 12-13=223/279, 13-15=307/346
BOT CHORD 2-22=238/775, 21-22=190/330, 20-21=271/305, 19-20=201/907, 18-19=201/907, 16-18=195/961, 15-16=198/718
WEBS 3-22=329/251, 4-22=100/629, 4-21=665/329, 6-21=1667/506, 6-20=277/1297, 8-20=1318/414, 8-19=0/449, 8-18=176/430, 10-18=419/299, 11-18=145/366, 12-16=60/515, 12-15=1305/290

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 3-3-11, Interior(1) 3-3-11 to 17-8-6, Exterior(2R) 17-8-6 to 24-7-2, Interior(1) 24-7-2 to 39-8-6, Exterior(2R) 39-8-6 to 46-7-2, Interior(1) 46-7-2 to 50-4-6 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (It=lb) 2=277, 21=726, 15=526.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119941
V0735	T5	Piggyback Base	2	1		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 18 2021 MiTek Industries, Inc. Mon Jun 27 14:42:28 2022 Page 1
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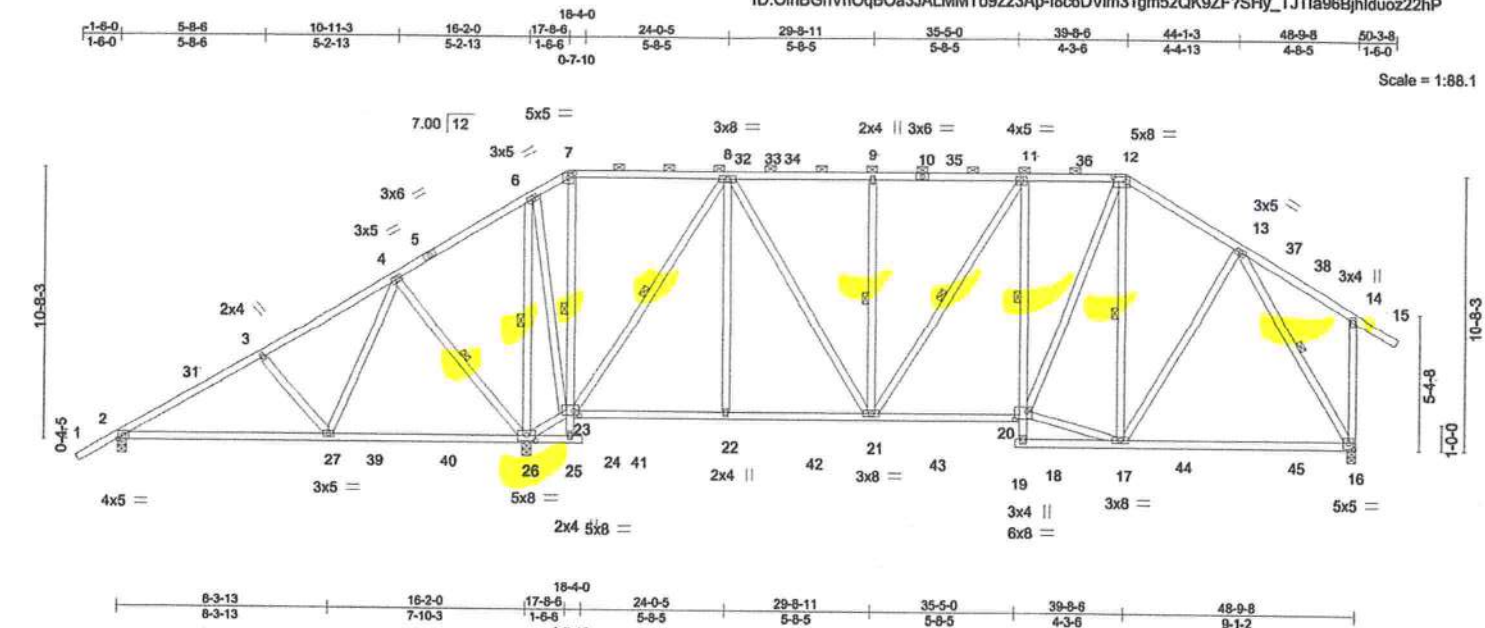


Plate Offsets (X,Y)=[7:0-2-8,0-2-1], [12:0-6-0,0-2-4], [16:0-2-8,0-2-12], [20:0-5-12,0-4-0], [23:0-2-8,0-2-0], [26:0-4-0,0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.61	Vert(LL)	-0.30 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.89	Vert(CT)	-0.47 16-17	>824	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.91	Horz(CT)	0.06 16	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS						
							Weight: 387 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
11-18: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-2 max.): 7-12.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 2-27,26-27,17-18.
1 Row at midpt 11-20
6-0-0 oc bracing: 18-20
1 Row at midpt 4-26, 6-26, 7-25, 8-23, 9-21, 11-21, 12-17, 13-16

REACTIONS. (size) 2=0-4-0, 26=0-4-0, 16=0-4-0
Max Horz 2=500(LC 11)
Max Uplift 2=230(LC 12), 26=794(LC 12), 16=496(LC 12)
Max Grav 2=456(LC 17), 26=2729(LC 17), 16=1460(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-397/166, 3-4=-268/161, 4-6=-186/724, 6-7=-64/309, 7-8=-52/280, 8-9=-1041/503, 9-11=-1041/503, 11-12=-1127/530, 12-13=-1107/502, 13-14=-220/277, 14-16=-303/343
BOT CHORD 2-27=-242/453, 26-27=-310/239, 22-23=-131/617, 21-22=-131/617, 20-21=-245/1082, 16-17=-184/648
WEBS 3-27=-331/252, 4-27=-103/636, 4-26=-670/331, 6-26=-1671/504, 7-23=-274/63, 8-23=-1444/442, 8-22=0/370, 8-21=-227/713, 9-21=-308/224, 17-20=-132/955, 12-20=-210/594, 12-17=-290/181, 13-17=-33/426, 13-16=-1165/262, 23-26=-662/461, 6-23=-245/1281

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 3-3-11, Interior(1) 3-3-11 to 17-8-6, Exterior(2R) 17-8-6 to 24-7-2, Interior(1) 24-7-2 to 39-8-6, Exterior(2R) 39-8-6 to 46-7-2, Interior(1) 46-7-2 to 50-4-6 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=230, 26=794, 16=496.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119942
V0735	T8	PIGGYBACK BASE	2	2		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MITek Industries, Inc. Mon Jun 27 14:42:31 2022 Page 1

ID:OlnBGnVnQqBOa3JALMMTo9z23Ap-jjIFsXkfMy2LyW9vqhoi4vaZVXeKnXEdPeXHV7z22hM

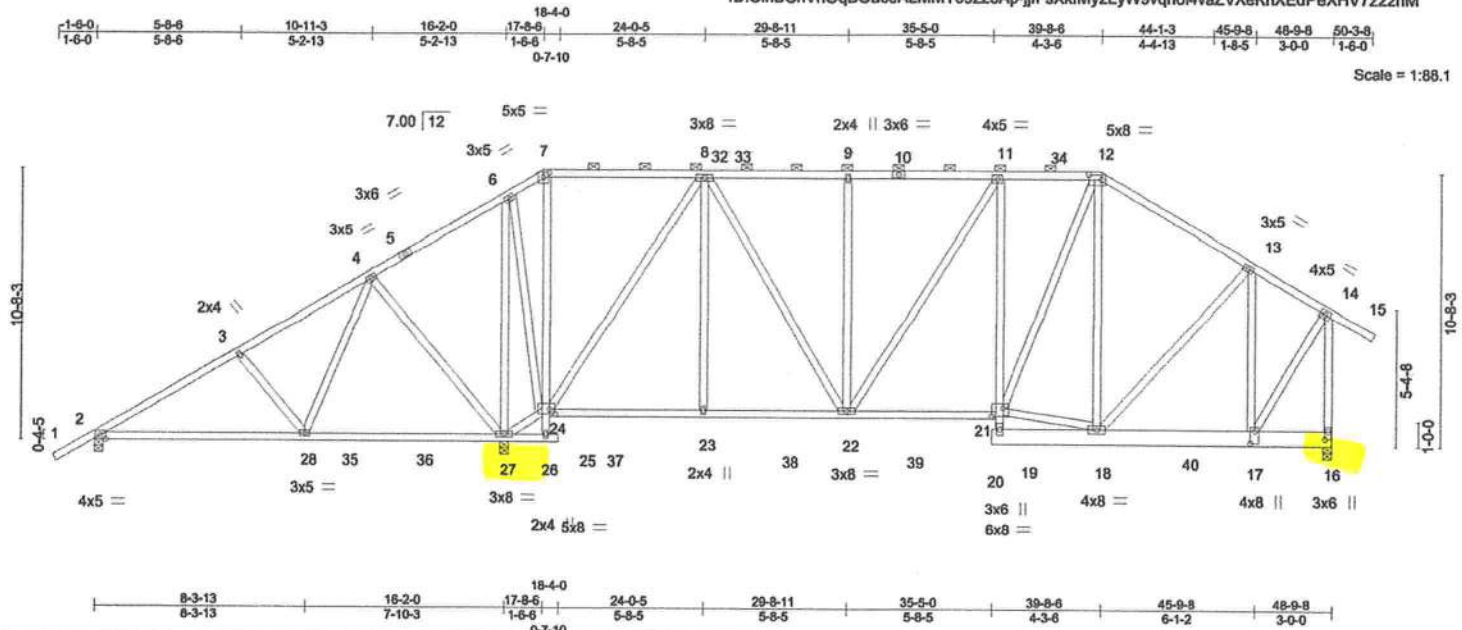


Plate Offsets (X,Y)=		[7:0-2-8,0-2-1], [12:0-6-0,0-2-4], [16:0-3-12,0-1-8], [17:0-6-0,0-2-0], [21:0-5-8,0-4-0], [24:0-2-8,0-2-4]	
LOADING (psf)	SPACING-	2-0-0	CSI
TCLL 20.0	Plate Grip DOL	1.25	TC 0.36
TCDL 7.0	Lumber DOL	1.25	BC 0.30
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.88
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS
			DEFL in (loc) l/defl L/d
			Vert(LL) -0.06 21-22 >999 240
			Vert(CT) -0.10 21-22 >999 180
			Horz(CT) 0.03 16 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 823 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD
BOT CHORD 2x4 SP No.2D *Except*	BOT CHORD
WEBS 2x4 SP No.3	
	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-12. Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-28,27-28,18-19. 10-0-0 oc bracing: 19-21
REACTIONS.	
(size) 2=0-4-0, 16=0-4-0, 27=0-4-0	
Max Horz 2=494(LC 24)	
Max Uplift 2=243(LC 25), 16=1407(LC 8), 27=932(LC 8)	
Max Grav 2=460(LC 13), 16=3527(LC 20), 27=2975(LC 29)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=389/163, 3-4=260/192, 4-6=218/805, 6-7=57/344, 7-8=46/312, 8-9=1258/611, 9-11=1258/611, 11-12=1480/709, 12-13=1581/729, 13-14=1702/803, 14-16=3368/1381
BOT CHORD 2-28=292/459, 27-28=390/237, 23-24=184/736, 22-23=184/736, 21-22=428/1472, 11-21=176/319, 17-18=498/1446
WEBS 3-28=332/253, 4-28=103/636, 4-27=670/331, 6-27=1874/520, 7-24=290/67, 8-24=1714/571, 8-23=0/369, 8-22=354/987, 9-22=309/225, 11-22=462/185, 18-21=344/1311, 12-21=262/625, 12-18=397/395, 13-18=430/565, 14-17=944/2793, 24-27=753/511, 6-24=334/1463, 13-17=858/619

- 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: 2x4 - 1 row at 0-9-0 oc, 2x8 - 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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=243, 16=1407, 27=932.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2442 lb down and 1027 lb up at Continuation on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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Date:

June 28,2022

MITek
16023 Swingley Ridge Rd
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Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119942
V0735	T6	PIGGYBACK BASE	2	2	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:31 2022 Page 2
ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-jjIFsXkfMy2LyW9vqhoi4vaZVXeKnXEdPeXHv7z22hM

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-54, 7-12=-54, 12-14=-54, 14-15=-54, 25-29=-20, 21-24=-20, 19-20=-20, 16-19=-20

Concentrated Loads (lb)

Vert: 17=-2211(F)



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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119943
V0735	T7	Piggyback Base	4	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:33 2022 Page 1
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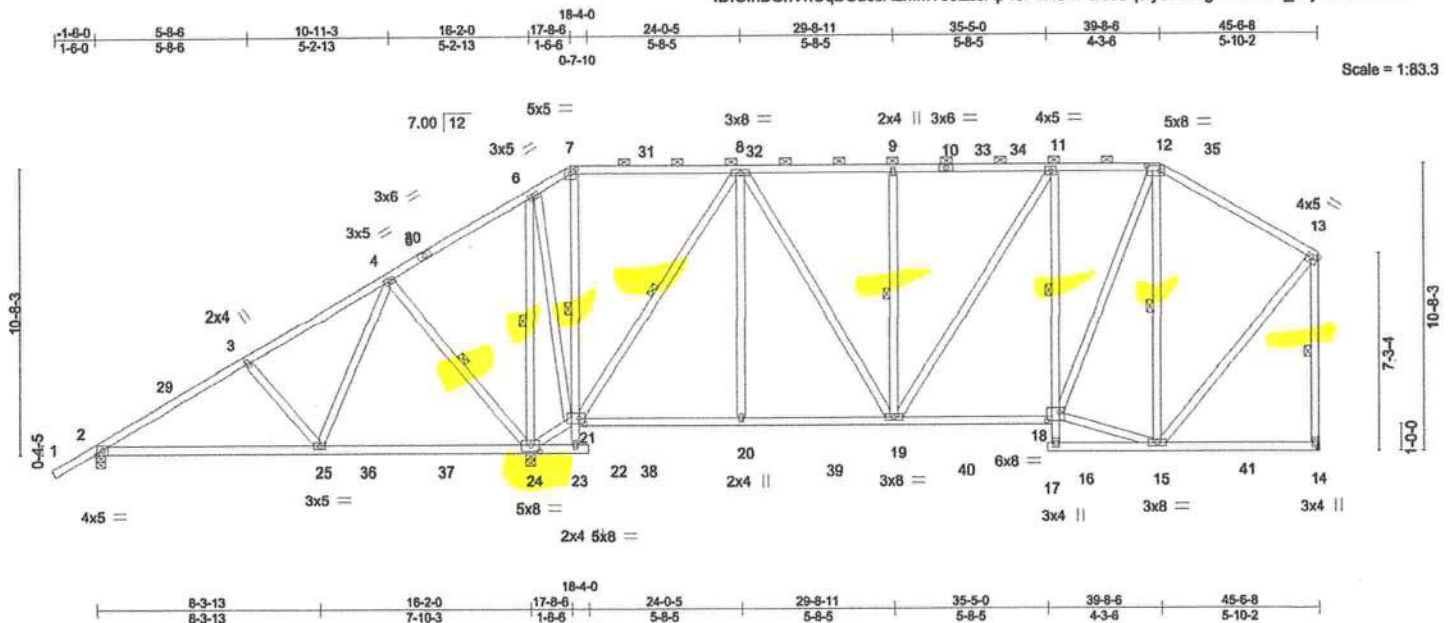


Plate Offsets (X,Y)- [7:0-2-8,0-2-1], [12:0-6-0,0-2-4], [13:Edge,0-1-12], [18:0-5-12,0-4-0], [21:0-2-8,0-2-8], [24:0-4-0,0-2-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.86	Vert(LL)	-0.09 18-19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.53	Vert(CT)	-0.17 25-28	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.80	Horz(CT)	0.05 14	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS					Weight: 364 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
11-16: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-12.
Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 24-25,15-16.
1 Row at midpt 11-18
10-0-0 oc bracing: 16-18
WEBS 1 Row at midpt 4-24, 6-24, 7-23, 8-21, 9-19, 12-15, 13-14

REACTIONS. (size) 2=0-4-0, 14=Mechanical, 24=0-4-0
Max Horz 2=538(LC 11)
Max Uplift 2=209(LC 12), 14=338(LC 12), 24=778(LC 12)
Max Grav 2=486(LC 17), 14=1193(LC 18), 24=2567(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=453/146, 3-4=324/142, 4-6=244/665, 6-7=76/281, 7-8=63/255, 8-9=879/420,
9-11=879/420, 11-12=866/421, 12-13=774/355, 13-14=1086/382
BOT CHORD 2-25=253/482, 24-25=307/208, 20-21=239/558, 19-20=239/558, 18-19=309/841,
11-18=319/213
WEBS 3-25=331/252, 4-25=103/636, 4-24=670/331, 6-24=1529/568, 7-21=262/101,
8-21=1273/396, 8-20=0/370, 8-19=182/545, 9-19=310/225, 15-18=197/607,
12-18=253/688, 12-15=576/306, 13-15=202/789, 21-24=638/400, 6-21=349/1167

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=46ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 2-11-12, Interior(1) 2-11-12 to 17-8-6, Exterior(2R) 17-8-6 to 24-0-5, Interior(1) 24-0-5 to 39-8-6, Exterior(2E) 39-8-6 to 45-4-12 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
 - 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) 2=209, 14=338, 24=778.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119944
V0735	T8	Piggyback Base	1	1		

Duley Truss, Dunnellon, FL - 34430,

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ID:OlnBgnVnOqBOa3JALMMTo9z23Ap-3g58vEonAVhd2H1sdEOtnzILdYBwSp5MZwE2AKz22hH

5-8-6	10-11-3	16-2-0	17-8-6	25-0-15	32-3-12	39-8-6	44-1-3	48-9-8	50-3-8
5-8-6	5-2-13	5-2-13	1-6-6	7-4-9	7-2-13	7-4-9	4-4-13	4-8-5	1-6-0

Scale = 1:85.2

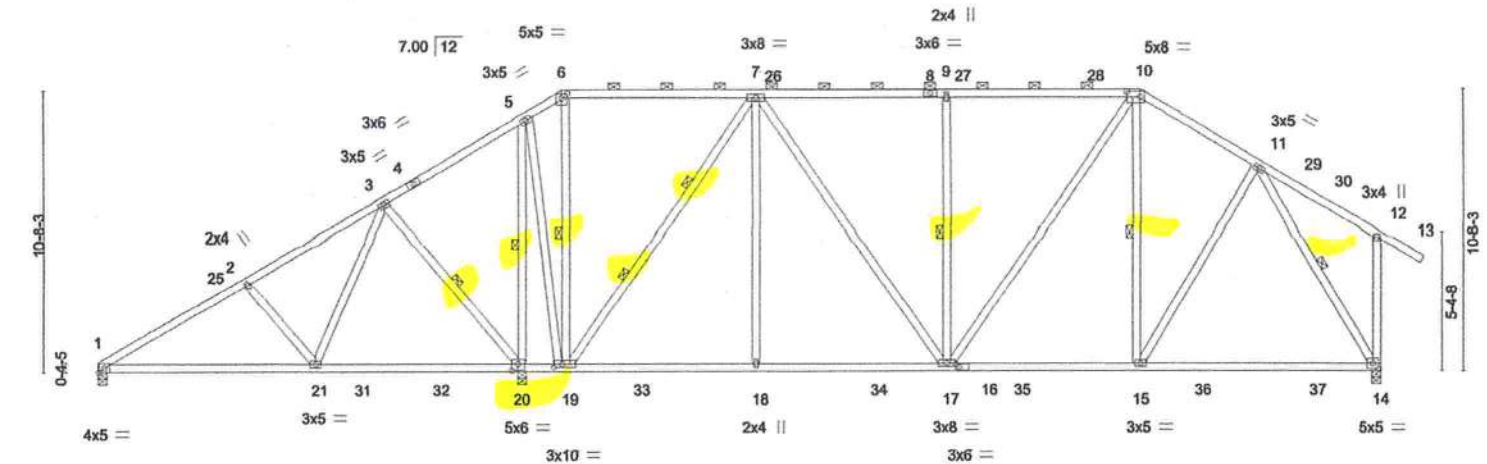


Plate Offsets (X,Y)-	8-3-13	16-2-0	17-8-6	25-0-15	32-3-12	39-8-6	48-9-8
	8-3-13	7-10-3	1-6-6	7-4-9	7-2-13	7-4-9	9-1-2

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.60	Vert(LL) -0.29	14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.91	Vert(CT) -0.46	14-15	>852	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.78	Horz(CT) 0.04	14	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS					Weight: 358 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-2-10 max.): 6-10.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-20, 5-20, 6-19, 9-17, 10-15, 11-14
	2 Rows at 1/3 pts 7-19

REACTIONS. (size) 1=0-4-0, 20=0-4-0, 14=0-4-0
Max Horz 1=478(LC 11)
Max Uplift 1=171(LC 12), 20=732(LC 12), 14=526(LC 12)
Max Grav 1=565(LC 17), 20=2435(LC 17), 14=1576(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-748/269, 2-3=-619/258, 3-5=-159/334, 5-6=-263/302, 6-7=-210/282,
7-9=-1207/578, 9-10=-1207/578, 10-11=-1224/531, 11-12=-223/279, 12-14=-307/346
BOT CHORD 1-21=-244/790, 20-21=-191/333, 19-20=-271/305, 18-19=-201/907, 17-18=-201/907,
15-17=-195/961, 14-15=-198/718
WEBS 2-21=-338/266, 3-21=-123/643, 3-20=-670/338, 5-20=-1670/511, 5-19=-278/1298,
7-19=-1318/414, 7-18=-176/430, 9-17=-419/299, 10-17=-145/366,
11-15=-60/515, 11-14=-1305/290

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-10-9, Interior(1) 4-10-9 to 17-8-6, Exterior(2R) 17-8-6 to 24-7-2, Interior(1) 24-7-2 to 39-8-6, Exterior(2R) 39-8-6 to 46-7-2, Interior(1) 46-7-2 to 50-4-6 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=171, 20=732, 14=526.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

June 28, 2022



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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119945
V0735	T9	Piggyback Base	3	1		

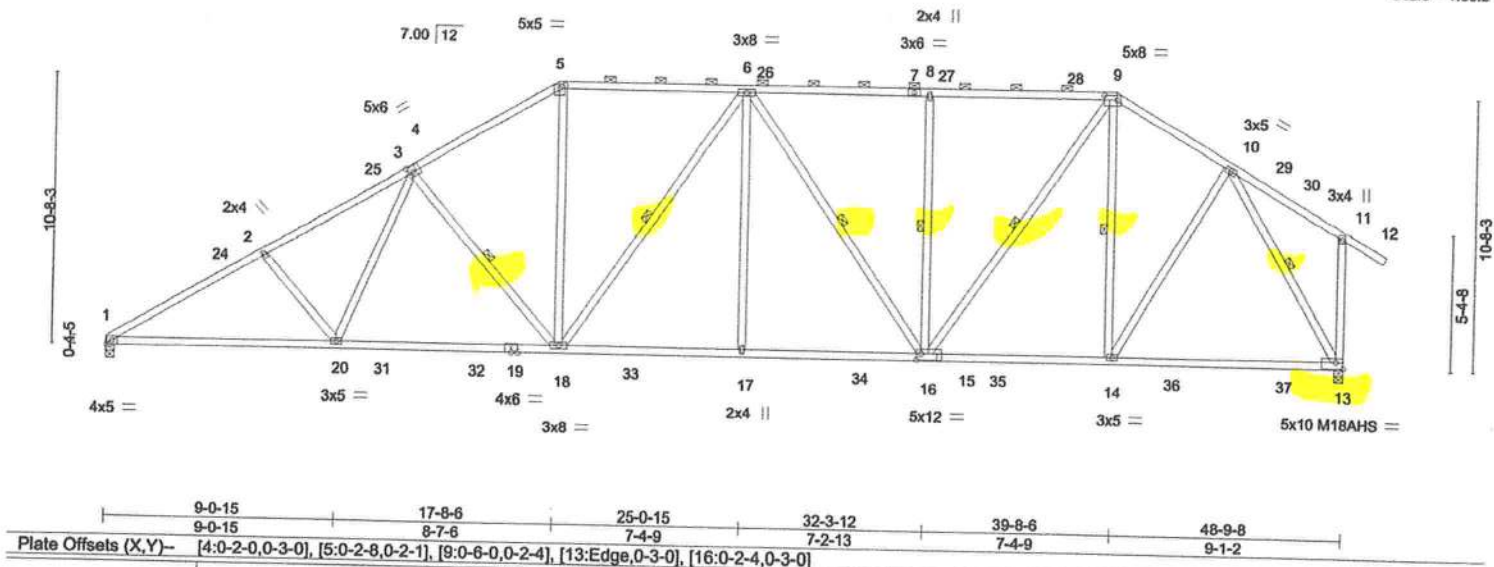
Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:38 2022 Page 1

ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-73DuKwq2i6xLibBFkQLsONfLtswir0Ej9FDz22hf

6-2-8	11-11-7	17-8-6	25-0-15	32-3-12	39-8-6	44-1-3	48-9-8	50-3-8
6-2-8	5-8-15	5-8-15	7-4-9	7-2-13	7-4-9	4-4-13	4-8-5	1-6-0

Scale = 1:88.2



LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.71	in (loc) l/defl L/d	MT20 244/190	
TCDL 7.0	Lumber DOL 1.25	BC 0.94	Vert(LL) -0.31 18-20 >999 240	M18AHS 186/179	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.89	Vert(CT) -0.51 18-20 >999 180		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS	Horz(CT) 0.15 13 n/a n/a		
				Weight: 333 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.1 *Except*
15-19: 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-13 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-10 max.): 5-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 3-18, 6-18, 6-16, 8-16, 9-16, 9-14, 10-13

REACTIONS. (size) 1=0-4-0, 13=0-4-0
Max Horz 1=478(LC 11)
Max Uplift 1=662(LC 12), 13=767(LC 12)
Max Grav 1=2207(LC 17), 13=2251(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=3840/1206, 2-3=3672/1185, 3-5=2869/1045, 5-6=2452/969, 6-8=2271/957, 8-9=2271/957, 9-10=1903/774, 10-11=225/280, 11-13=310/347
BOT CHORD 1-20=948/3523, 18-20=832/3043, 17-18=624/2725, 16-17=624/2725, 14-16=380/1622, 13-14=322/1153
WEBS 2-20=345/284, 3-20=127/689, 3-18=750/376, 5-18=289/1112, 6-18=474/135, 6-17=0/414, 6-16=577/142, 8-16=420/301, 9-16=410/1336, 9-14=450/243, 10-14=151/974, 10-13=2171/545

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-10-9, Interior(1) 4-10-9 to 17-8-6, Exterior(2R) 17-8-6 to 24-7-2, Interior(1) 24-7-2 to 39-8-6, Exterior(2R) 39-8-6 to 46-7-2, Interior(1) 46-7-2 to 50-4-6 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) All plates are MT20 plates unless otherwise indicated.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=662, 13=767.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	T10	GABLE COMMON	1	1		T28119946

Duley Truss, Dunnellon, FL - 34430.

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:46 2022 Page 1

ID:OlnBGNvOqBOa3JALMMTo9z23Ap-X34EP8BQy7Ok2bDFhkv9IQDq7O7OICX7387OQEz22i3

Job Reference (optional)

1-5-0	1-8-12	3-10-8	7-4-2	8-3-12	12-9-11	18-3-5	25-3-4	32-1-7	39-1-6	45-1-2	47-0-12	48-0-8	50-3-8
1-6-0	1-8-12	2-0-0	3-5-10	0-1-10	4-5-15	5-5-10	6-11-15	6-10-3	6-11-15	5-11-11	1-9-14	1-8-12	1-6-0
	0-1-12										0-1-12		

Scale = 1:85.3

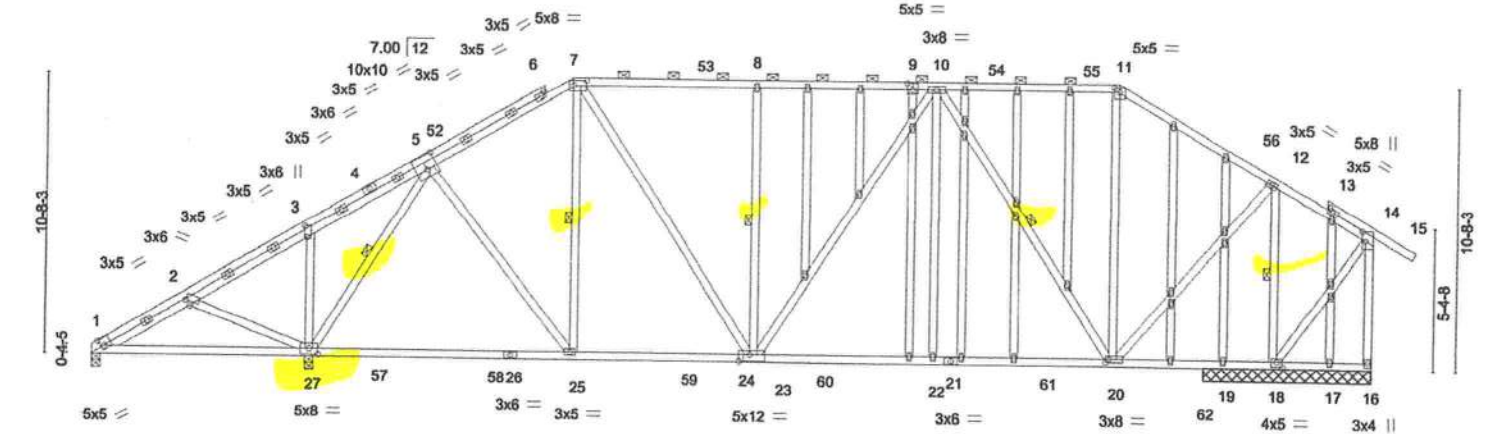


Plate Offsets (X,Y)-	
[1:0-1-8,0-3-3], [2:0-2-10,0-1-12], [3:0-5-4,0-1-0], [5:0-5-0,0-6-8], [6:0-2-0,0-1-8], [7:0-6-0,0-2-4], [9:0-2-8,0-3-0], [11:0-2-8,0-2-1], [13:0-2-0,0-1-8], [14:0-4-8,0-1-8], [18:0-2-8,0-2-8], [20:0-1-8,0-1-8], [23:0-5-0,0-3-0], [27:0-4-0,0-2-12]	

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.31 25-27	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.90	Vert(CT)	-0.49 25-27	>849	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.04 19	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS						
								Weight: 483 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-1 max.): 7-11.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-27, 7-25, 8-23, 10-20, 12-18
OTHERS 2x4 SP No.3	

REACTIONS.	
(lb) - Max Horz 1=470(LC 11)	
Max Uplift All uplift 100 lb or less at joint(s) 1, 17 except 16=195(LC 23), 27=684(LC 12), 18=656(LC 12)	
Max Grav All reactions 250 lb or less at joint(s) 1, 16, 19, 17 except 27=2362(LC 17), 18=1852(LC 19)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=291/482, 3-5=170/438, 5-7=1262/606, 7-8=1364/714, 8-10=1364/714, 10-11=779/511, 11-12=946/496
BOT CHORD	25-27=275/775, 23-25=317/1171, 22-23=384/1310, 20-22=384/1310
WEBS	5-27=1812/685, 5-25=74/684, 7-25=250/168, 7-23=208/558, 8-23=396/306, 10-22=0/421, 10-20=1035/324, 3-27=294/264, 2-27=318/228, 12-20=363/1257, 12-18=1638/694

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=49ft; eave=6ft; Cat. II; Exp C; Endcl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-2-0 to 5-0-9, Interior(1) 5-0-9 to 18-3-5, Exterior(2R) 18-3-5 to 23-1-14, Interior(1) 23-1-14 to 39-1-6, Exterior(2R) 39-1-6 to 43-11-15, Interior(1) 43-11-15 to 50-4-6 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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 17 except (jt=lb) 16=195, 27=684, 18=656.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

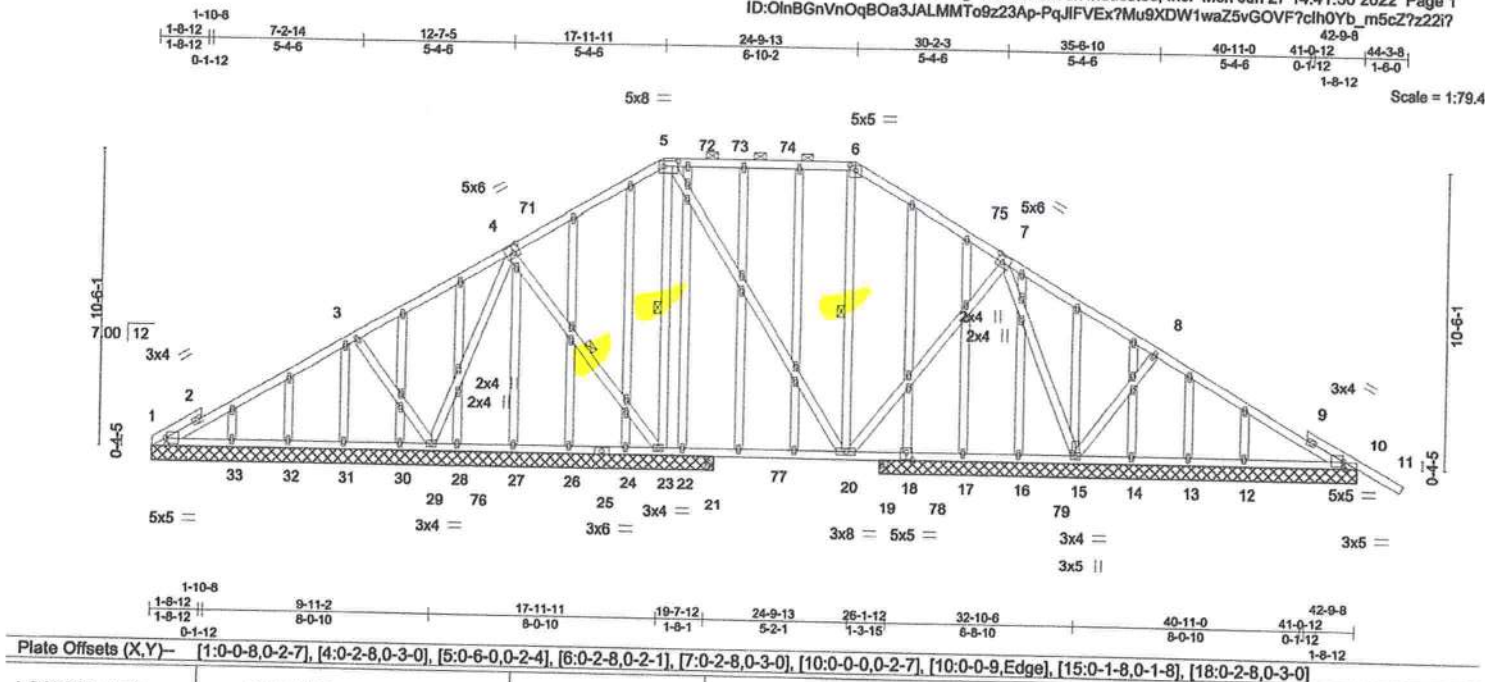
Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T11	GABLE COMMON	1	1	T28119947

Duley Truss, Dunnellon, FL - 34430,

Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:50 2022 Page 1
ID:OlnBGNvOqBOa3JALMMTo9z23Ap-PqJlFVEx?Mu9XDW1waZ5vGOVF7ch0Yb_m5cZ7z22i7

Scale = 1:79.4



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL)	0.03 12-70	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.39	Vert(CT)	-0.03 12-70	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.73	Horz(CT)	0.01 10	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS						

Weight: 409 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3	6-0-0 oc bracing: 14-15, 13-14, 12-13, 10-12.
OTHERS 2x4 SP No.3	1 Row at midpt 4-23, 5-23, 6-20

REACTIONS. All bearings 19-11-4 except (jt=length) 10=16-11-4, 17=16-11-4, 16=16-11-4, 15=16-11-4, 14=16-11-4, 13=16-11-4, 12=16-11-4, 21=0-3-8, 19=0-3-8, 10=16-11-4.
(lb) - Max Horz 1=359(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 32, 13, 12, 19 except 29=453(LC 12), 23=257(LC 12), 10=155(LC 12), 22=150(LC 18), 33=161(LC 12), 15=521(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 10, 24, 26, 27, 28, 30, 31, 32, 17, 16, 14, 13, 19, 1, 10 except 29=652(LC 17), 23=591(LC 17), 33=313(LC 17), 15=948(LC 18), 12=268(LC 18), 21=316(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=158/306, 5-6=251/308, 6-7=257/284, 7-8=74/305
BOT CHORD 22-23=190/302, 21-22=190/302, 20-21=190/302
WEBS 3-29=316/284, 4-29=404/258, 5-23=471/223, 6-20=262/138, 7-15=664/391, 8-15=327/285

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp C; Endl. GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-3-6, Interior(1) 4-3-6 to 17-11-11, Exterior(2R) 17-11-11 to 22-3-1, Interior(1) 22-3-1 to 24-9-13, Exterior(2R) 24-9-13 to 29-1-2, Interior(1) 29-1-2 to 44-4-6 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 32, 13, 12, 19, 1 except (jt=lb) 29=453, 23=257, 10=155, 22=150, 33=161, 15=521, 10=155.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T12	Piggyback Base	1	1	T28119948

Duley Truss, Dunnellon, FL - 34430,

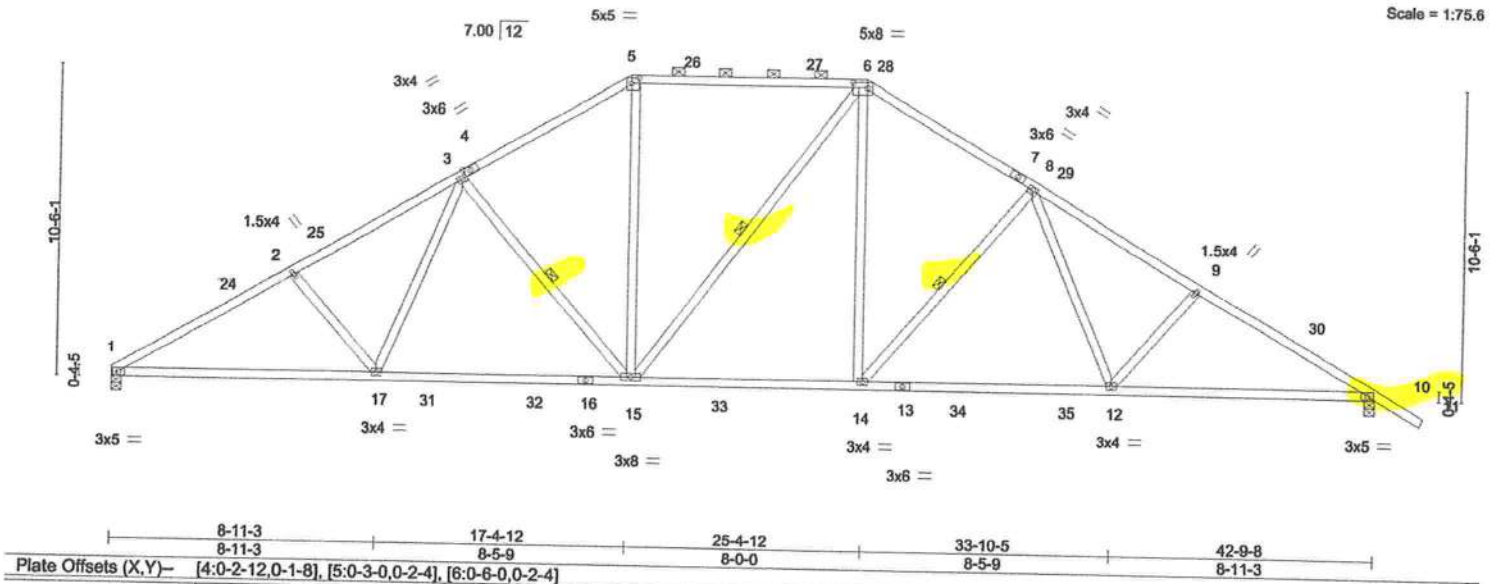
Job Reference (optional)

8.430 s Aug 18 2021 MiTek Industries, Inc. Mon Jun 27 14:41:52 2022 Page 1

ID:OlnBGNVnOqBOa3JALMMTo9z23Ap-MDRVgBGBXz8mWgP27bZ7hTkVp9L90kuS4ajduz22hz

6-1-5	11-9-0	17-4-12	25-4-12	31-0-8	36-8-3	42-9-8	44-3-8
6-1-5	5-7-12	5-7-12	8-0-0	5-7-12	5-7-12	6-1-5	1-6-0

Scale = 1:75.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.99	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.99	Vert(LL) -0.27 12-14 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.36	Vert(CT) -0.44 12-14 >999 180		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS	Horz(CT) 0.14 10 n/a n/a		
				Weight: 246 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D *Except*	TOP CHORD Structural wood sheathing directly applied or 3-0-4 oc purlins, except
5-6: 2x4 SP No.1	2-0-0 oc purlins (2-2-0 max.): 5-6.
BOT CHORD 2x4 SP No.2D	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	1 Row at midpt 3-15, 6-15, 8-14

REACTIONS. (size) 1=0-4-0, 10=0-4-0
Max Horz 1=359(LC 10)
Max Uplift 1=578(LC 12), 10=683(LC 12)
Max Grav 1=1886(LC 17), 10=1972(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=3220/1043, 2-3=3054/1022, 3-5=2263/883, 5-6=1928/830, 6-8=2270/882,
8-9=3050/1003, 9-10=3215/1021
BOT CHORD 1-17=739/3002, 15-17=512/2525, 14-15=292/1983, 12-14=505/2267, 10-12=715/2719
WEBS 2-17=345/282, 3-17=128/682, 3-15=729/364, 5-15=179/805, 6-14=177/908,
8-14=724/355, 8-12=107/668, 9-12=336/268

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-3-6, Interior(1) 4-3-6 to 17-4-12, Exterior(2R) 17-4-12 to 23-5-6, Interior(1) 23-5-6 to 25-4-12, Exterior(2R) 25-4-12 to 31-5-6, Interior(1) 31-5-6 to 44-4-6 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=578, 10=683.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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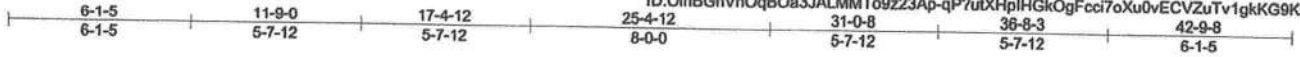
MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	T13	Piggyback Base	4	1		T28119949

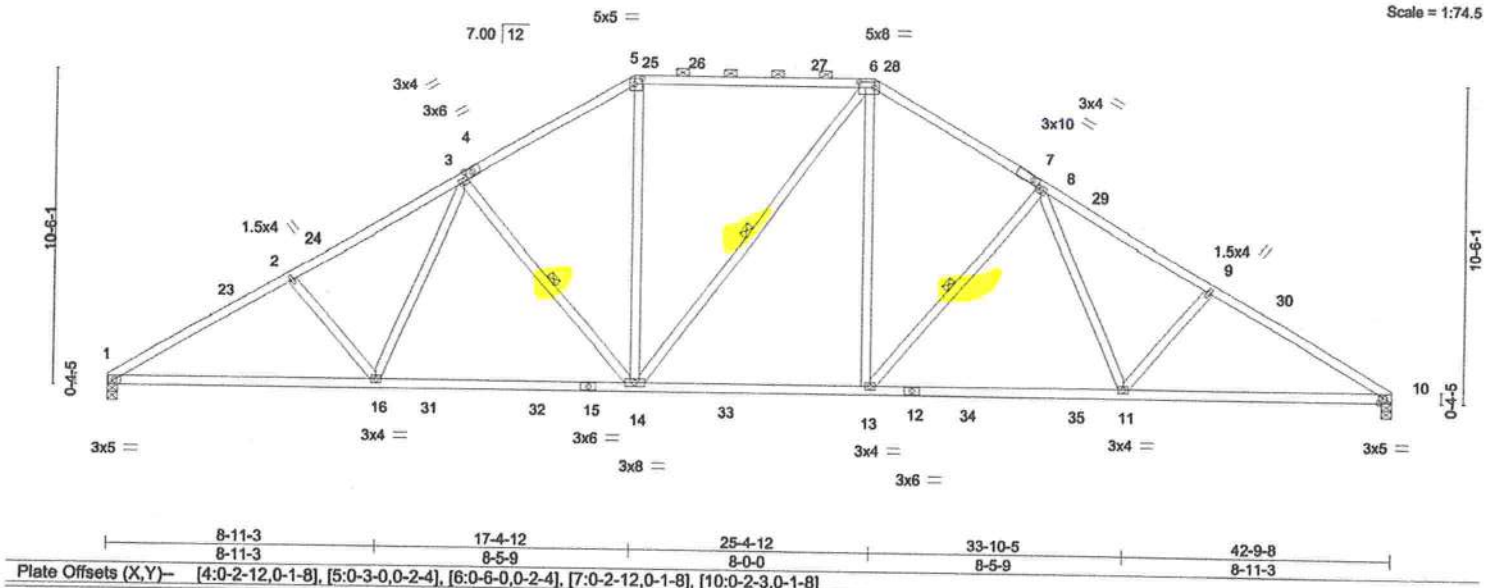
Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:53 2022 Page 1

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Scale = 1:74.5



LOADING (psf)	SPACING-	CSL	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 1.00	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.99	Vert(LL) -0.26 11-13 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.37	Vert(CT) -0.44 11-13 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.14 10 n/a n/a		
	Code FRC2020/TPI2014				
				Weight: 244 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D *Except*	TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins, except
5-6: 2x4 SP No.1	2-0-0 oc purlins (2-2-0 max.): 5-6.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
WEBS 2x4 SP No.3	10-0-0 oc bracing: 13-14.
	WEBS 1 Row at midpt 3-14, 6-14, 8-13
REACTIONS. (size) 1=0-4-0, 10=0-4-0	
Max Horz 1=-336(LC 10)	
Max Uplift 1=-581(LC 12), 10=-581(LC 12)	
Max Grav 1=1887(LC 17), 10=1892(LC 18)	

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

TOP CHORD 1-2=-3221/1047, 2-3=-3055/1027, 3-5=-2264/888, 5-6=-1929/834, 6-8=-2274/888, 8-9=-3065/1027, 9-10=-3231/1047

BOT CHORD 1-16=-809/2988, 14-16=-582/2509, 13-14=-351/1967, 11-13=-582/2267, 10-11=-809/2742

WEBS 2-16=-345/282, 3-16=-128/682, 3-14=-729/364, 5-14=-182/806, 6-13=-182/911, 8-13=-730/364, 8-11=-128/681, 9-11=-345/282

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp C; Endl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-3-6, Interior(1) 4-3-6 to 17-4-12, Exterior(2R) 17-4-12 to 23-5-6, Interior(1) 23-5-6 to 25-4-12, Exterior(2R) 25-4-12 to 31-5-6, Interior(1) 31-5-6 to 42-9-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=581, 10=581.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T14	Piggyback Base	4	1	T28119950

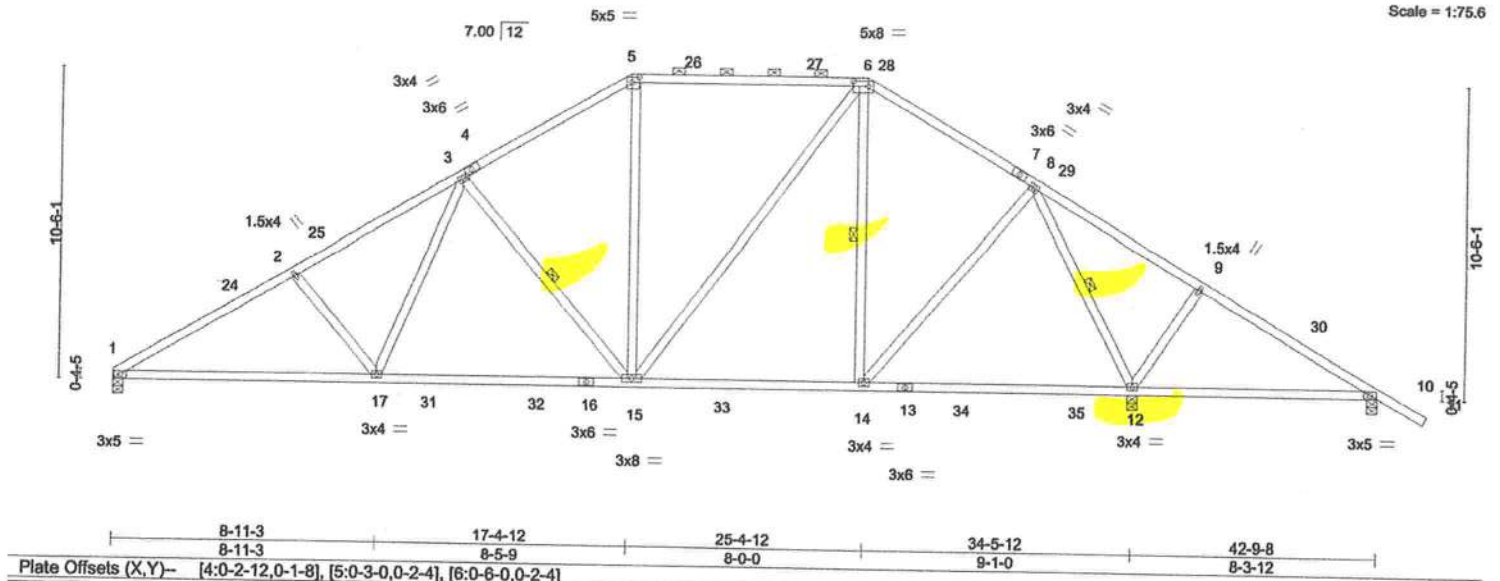
Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:54 2022 Page 1

ID:OlnB8GnVnOqB0a3JALMMTo9z23Ap-lbZG5tHR3bOb0qqo9Qe146Y5ZctWdsAvO3qhmz22hx

6-1-5	11-9-0	17-4-12	25-4-12	31-0-8	36-8-3	42-9-8	44-3-8
6-1-5	5-7-12	5-7-12	8-0-0	5-7-12	5-7-12	6-1-5	1-6-0

Scale = 1:75.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.96	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.88	Vert(LL) -0.19 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.60	Vert(CT) -0.30 15-17 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.06 12 n/a n/a		
	Code FRC2020/TPI2014			Weight: 246 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-6-13 oc purlins, except
BOT CHORD 2x4 SP No.2D	2-0-0 oc purlins (2-2-0 max.): 5-6.
WEBS 2x4 SP No.3	Rigid ceiling directly applied or 6-0-0 oc bracing.
	1 Row at midpt 3-15, 6-14, 8-12

REACTIONS.	FORCES.
(size) 1=0-4-0, 12=0-4-0, 10=0-4-0	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
Max Horz 1=-359(LC 10)	TOP CHORD 1-2=-2431/795, 2-3=-2264/774, 3-5=-1465/633, 5-6=-1234/612, 6-8=-1081/520,
Max Uplift 1=-452(LC 12), 12=-653(LC 12), 10=-157(LC 12)	8-9=-43/534, 9-10=-59/399
Max Grav 1=1483(LC 17), 12=2163(LC 18), 10=263(LC 22)	BOT CHORD 1-17=-528/2322, 15-17=-331/1838, 14-15=-37/982, 12-14=-26/442, 10-12=-267/174
	WEBS 2-17=-350/284, 3-17=-130/692, 3-15=-732/364, 5-15=-52/397, 6-15=-190/641,
	6-14=-297/178, 8-14=-98/846, 8-12=-1738/585, 9-12=-351/276

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-3-6, Interior(1) 4-3-6 to 17-4-12, Exterior(2R) 17-4-12 to 23-5-6, Interior(1) 23-5-6 to 25-4-12, Exterior(2R) 25-4-12 to 31-5-6, Interior(1) 31-5-6 to 44-4-6 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=452, 12=653, 10=157.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
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Date:

June 28, 2022

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T15	Piggyback Base	1	1	T28119951

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MITek Industries, Inc. Mon Jun 27 14:41:56 2022 Page 1
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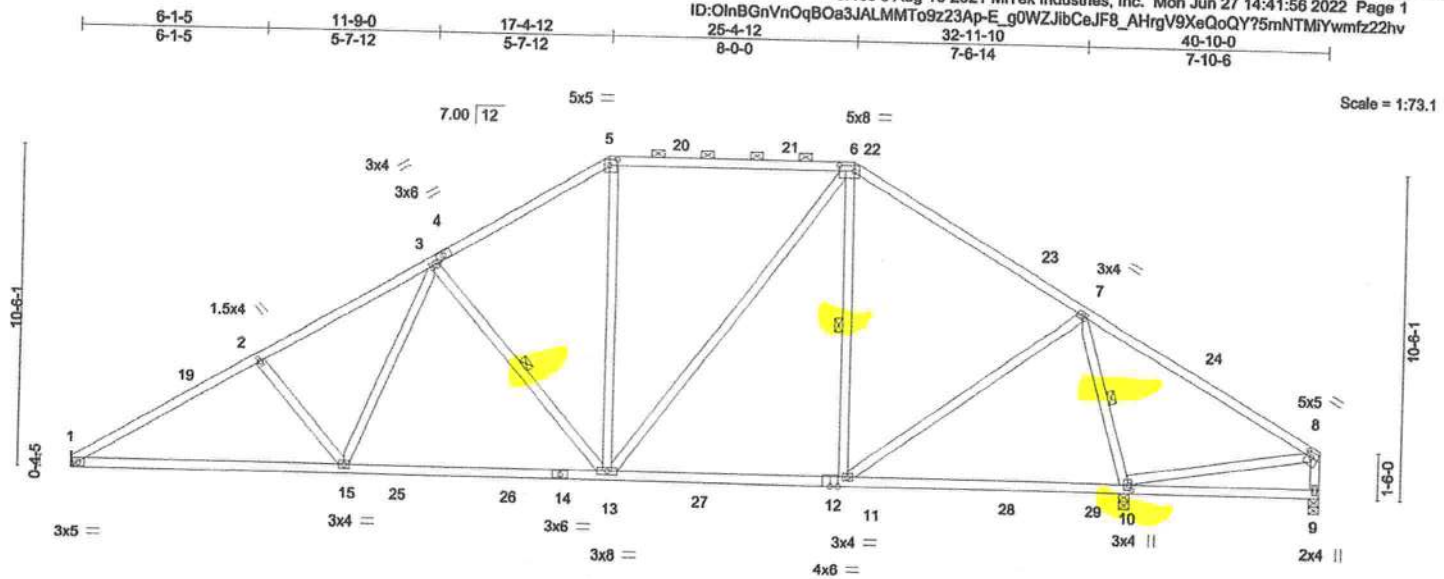


Plate Offsets (X,Y)		LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
[4:0-2-12,0-1-8], [5:0-3-0,0-2-4], [6:0-6-0,0-2-4], [8:0-2-4,0-2-0], [10:0-2-0,0-1-0]		TCLL	20.0	2-0-0		TC 0.98		in (loc) l/defl L/d		MT20		244/190	
		TCDL	7.0	Plate Grip DOL 1.25		BC 0.88		Vert(LL) -0.18 13-15 >999 240		Weight: 240 lb		FT = 20%	
		BCLL	0.0 *	Lumber DOL 1.25		WB 0.58		Vert(CT) -0.30 13-15 >999 180					
		BCDL	10.0	Rep Stress Incr YES		Matrix-MS		Horz(CT) 0.05 9 n/a n/a					
				Code FRC2020/TPI2014									

LUMBER-

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

REACTIONS.

(size) 1=Mechanical, 10=0-4-0, 9=0-4-0
Max Horz 1=368(LC 11)
Max Uplift 1=453(LC 12), 10=647(LC 12), 9=166(LC 23)
Max Grav 1=1479(LC 17), 10=2124(LC 19), 9=67(LC 22)

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

TOP CHORD 1-2=2424/798, 2-3=2257/777, 3-5=1458/637, 5-6=1228/615, 6-7=1113/511,
7-8=99/554
BOT CHORD 1-15=605/2296, 13-15=440/1812, 11-13=140/952
WEBS 2-15=350/284, 3-15=130/691, 3-13=732/365, 5-13=58/391, 6-13=184/647,
6-11=305/193, 7-11=149/1101, 7-10=1750/717, 8-10=469/281

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; End., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-1-0, Interior(1) 4-1-0 to 17-4-12, Exterior(2R) 17-4-12 to 23-2-1, Interior(1) 23-2-1 to 25-4-12, Exterior(2R) 25-4-12 to 31-2-1, Interior(1) 31-2-1 to 40-8-4 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) 1=453, 10=647, 9=166.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

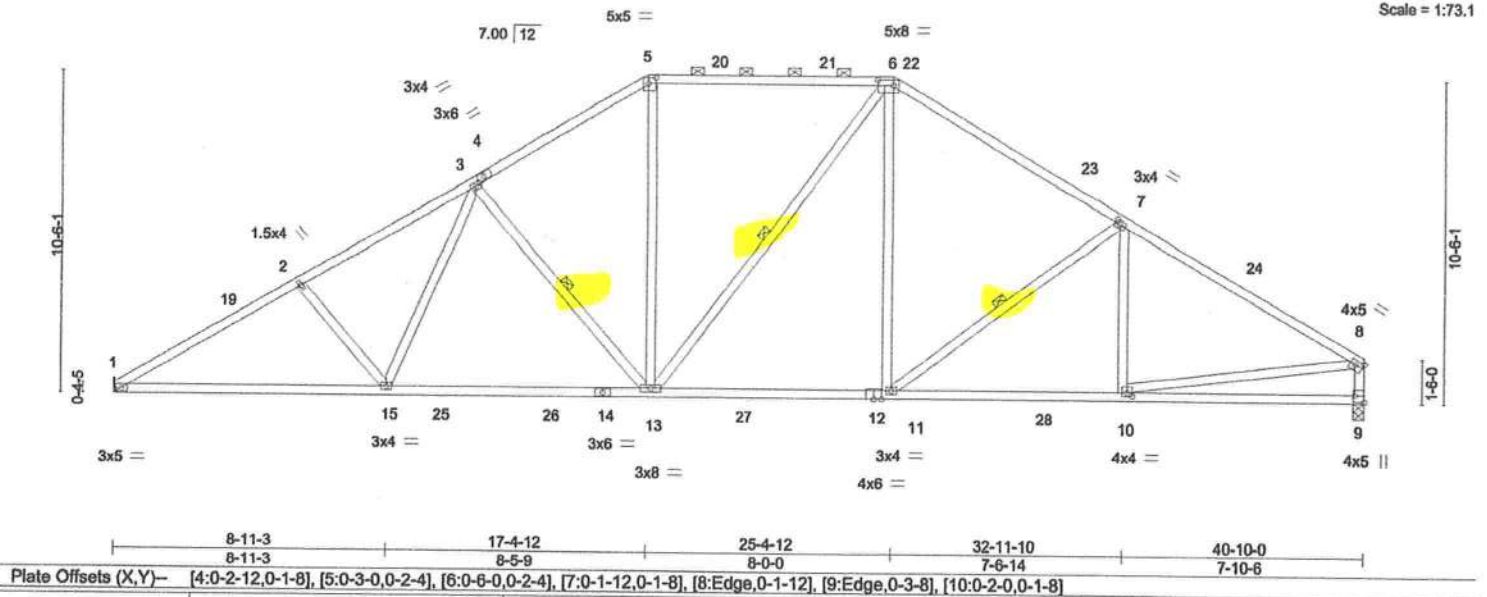
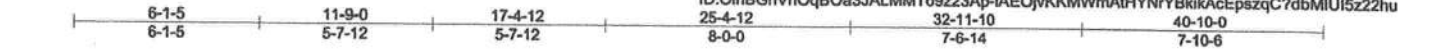
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MITek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	T16	Piggyback Base	7	1		T28119952

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MITek Industries, Inc. Mon Jun 27 14:41:57 2022 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.93	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.96	Vert(LL) -0.23 13-15 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.68	Vert(CT) -0.38 13-15 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.10 9 n/a n/a		
	Code FRC2020/TPI2014				
				Weight: 242 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D *Except*	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 5-6.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-13, 6-13, 7-11

REACTIONS. (size) 1=Mechanical, 9=0-4-0
Max Horz 1=368(LC 11)
Max Uplift 1=552(LC 12), 9=552(LC 12)
Max Grav 1=1798(LC 17), 9=1781(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=3046/991, 2-3=2881/971, 3-5=2089/831, 5-6=1777/784, 6-7=2020/794, 7-8=2402/780, 8-9=1657/591
BOT CHORD 1-15=772/2832, 13-15=575/2354, 11-13=340/1739, 10-11=517/1972
WEBS 2-15=346/282, 3-15=129/682, 3-13=729/365, 5-13=156/713, 6-13=150/257, 6-11=81/629, 7-11=513/281, 8-10=463/1811

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-1-0, Interior(1) 4-1-0 to 17-4-12, Exterior(2R) 17-4-12 to 23-2-1, Interior(1) 23-2-1 to 25-4-12, Exterior(2R) 25-4-12 to 31-2-1, Interior(1) 31-2-1 to 40-8-4 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) 1=552, 9=552.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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MITek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T17	GABLE COMMON	1	1	T28119953
Duley Truss, Dunnellon, FL - 34430,					

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:41:59 2022 Page 1
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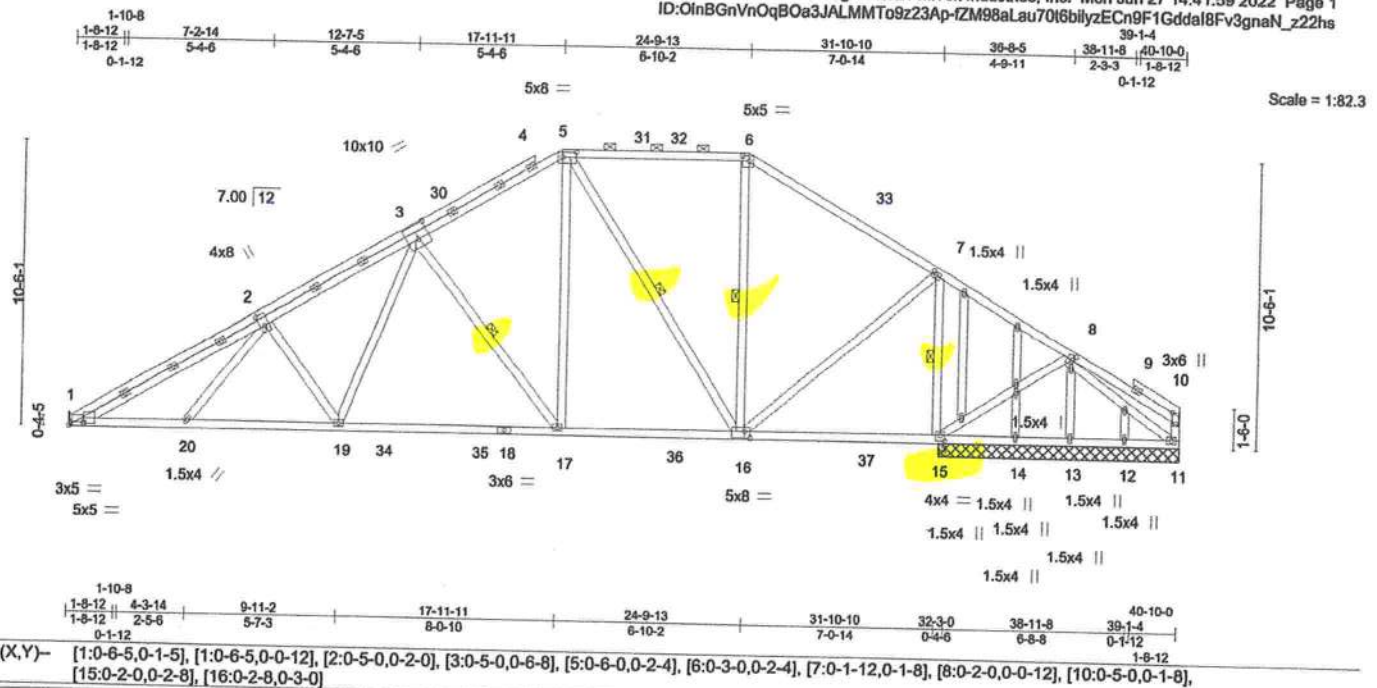


Plate Offsets (X,Y) - [1:0-6-5,0-1-5], [1:0-6-5,0-0-12], [2:0-5-0,0-2-0], [3:0-5-0,0-6-8], [5:0-6-0,0-2-4], [6:0-3-0,0-2-4], [7:0-1-12,0-1-8], [8:0-2-0,0-0-12], [10:0-5-0,0-1-8], [15:0-2-0,0-2-8], [16:0-2-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL)	-0.17 17-19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.70	Vert(CT)	-0.29 17-19	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.57	Horz(CT)	0.05 15	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS						
Weight: 303 lb									FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-14 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-17, 5-16, 6-16, 7-15

REACTIONS. All bearings 8-10-8 except (jt=length) 1=Mechanical.
(lb) - Max Horz 1=363(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 1=411(LC 12), 15=672(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 11, 14, 13, 12 except 1=1372(LC 17), 15=1915(LC 19), 15=1674(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=2383/758, 2-3=1990/760, 3-5=1210/596, 5-6=673/484, 6-7=835/452, 7-8=76/380
BOT CHORD 1-20=636/2261, 19-20=641/2115, 17-19=399/1582, 16-17=175/1157, 15-16=284/215
WEBS 2-19=480/319, 3-19=173/730, 3-17=722/375, 5-17=210/910, 5-16=779/232, 7-16=303/1243, 7-15=1538/706, 2-20=0/250

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=41ft; eave=5ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-12 to 4-1-12, Interior(1) 4-1-12 to 17-11-11, Exterior(2R) 17-11-11 to 22-0-11, Interior(1) 22-0-11 to 24-9-13, Exterior(2R) 24-9-13 to 28-10-13, Interior(1) 28-10-13 to 40-8-4 zone; cantilever left and right exposed; and 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x4 MT20 unless otherwise indicated.
- 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, 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) 11 except (jt=lb) 1=411, 15=672.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T18	Piggyback Base	1	1	T28119954

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:00 2022 Page 1
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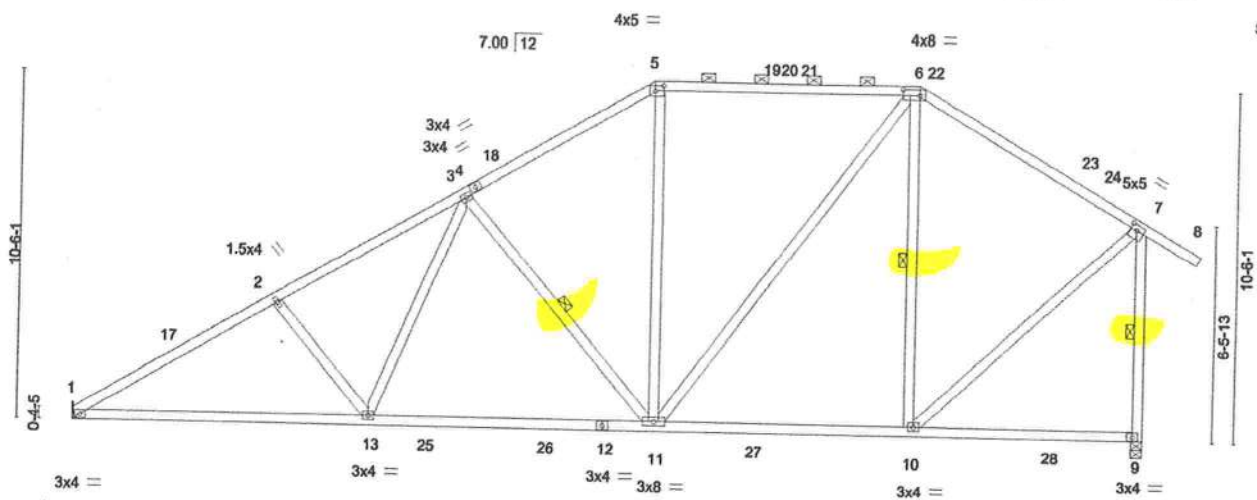


Plate Offsets (X,Y)-	8-11-3	17-4-12	25-4-12	32-3-8
	8-11-3	8-5-9	8-0-0	6-10-12

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.95	Vert(LL)	-0.17 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.87	Vert(CT)	-0.28 11-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63	Horz(CT)	0.05 9	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS						

Weight: 205 lb FT = 20%

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

REACTIONS. (size) 1=Mechanical, 9=0-4-0
Max Horz 1=498(LC 11)
Max Uplift 1=440(LC 12), 9=541(LC 12)
Max Grav 1=1439(LC 17), 9=1475(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=2344/772, 2-3=2178/752, 3-5=1380/610, 5-6=1160/592, 6-7=989/481, 7-9=1342/583
BOT CHORD 1-13=679/2230, 11-13=561/1747, 10-11=266/852
WEBS 2-13=350/284, 3-13=131/689, 3-11=730/366, 5-11=43/368, 6-11=202/705, 6-10=419/273, 7-10=255/1103

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-2-12, Interior(1) 3-2-12 to 17-4-12, Exterior(2R) 17-4-12 to 21-11-9, Interior(1) 21-11-9 to 25-4-12, Exterior(2R) 25-4-12 to 29-11-9, Interior(1) 29-11-9 to 33-10-6 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.
- Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 1=440, 9=541.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T19	GABLE COMMON	1	1	T28119955

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:04 2022 Page 1
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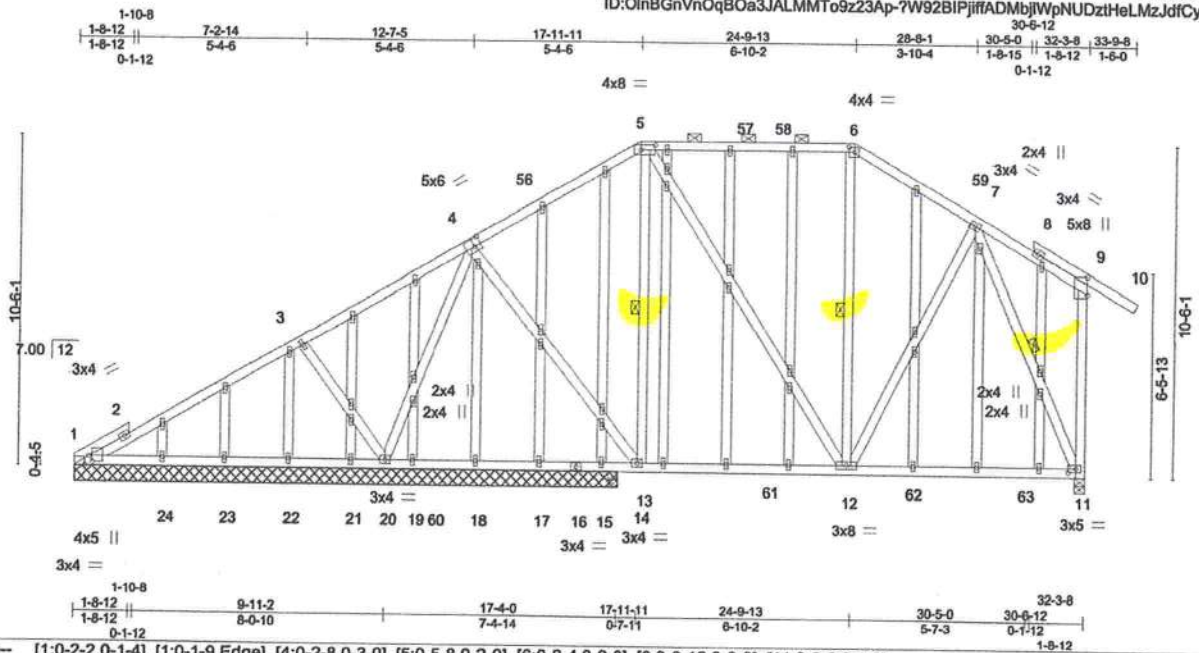


Plate Offsets (X,Y)- [1:0-2-2,0-1-4], [1:0-1-9,Edge], [4:0-2-8,0-3-0], [5:0-5-8,0-2-0], [6:0-2-4,0-2-0], [9:0-6-12,0-0-0], [11:0-3-0,0-1-8]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.62	Vert(LL)	-0.13 11-12	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.60	Vert(CT)	-0.20 11-12	>896	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.94	Horz(CT)	-0.01 11	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FRC2020/TPI2014							

Weight: 359 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13, 6-12, 7-11

REACTIONS.

All bearings 17-4-0 except (l=length) 11=0-4-0, 14=0-3-8.
(lb) - Max Horz 1=493(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 23 except 20=-567(LC 12), 11=-358(LC 12), 15=-547(LC 17), 24=-160(LC 12), 14=-277(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 1, 15, 17, 18, 19, 21, 22, 23, 1 except 20=1078(LC 17), 11=971(LC 18), 24=310(LC 17), 14=750(LC 17)

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

TOP CHORD 1-3=-272/206, 3-4=-237/321, 4-5=-540/356, 5-6=-502/400, 6-7=-602/394, 7-9=-249/280, 9-11=-290/338
BOT CHORD 19-20=-179/259, 18-19=-179/259, 17-18=-179/259, 15-17=-179/259, 14-15=-179/259, 13-14=-179/259, 12-13=-147/411, 11-12=-173/348
WEBS 3-20=-317/284, 4-20=-860/453, 4-13=-8/280, 5-13=-268/195, 7-12=-47/330, 7-11=-706/253

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp C; Endcl., GCpl=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-2-12, Interior(1) 3-2-12 to 17-11-11, Exterior(2R) 17-11-11 to 21-2-7, Interior(1) 21-2-7 to 24-9-13, Exterior(2R) 24-9-13 to 28-0-9, Interior(1) 28-0-9 to 33-10-6 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- 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, with BCDL = 10.0psf.
- Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 23, 1 except (l=length) 20=567, 11=358, 15=547, 24=160, 14=277.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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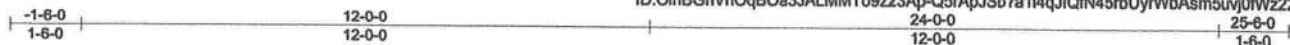
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119956
V0735	T20	Common Supported Gable	1	1		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:07 2022 Page 1

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Scale = 1:47.2

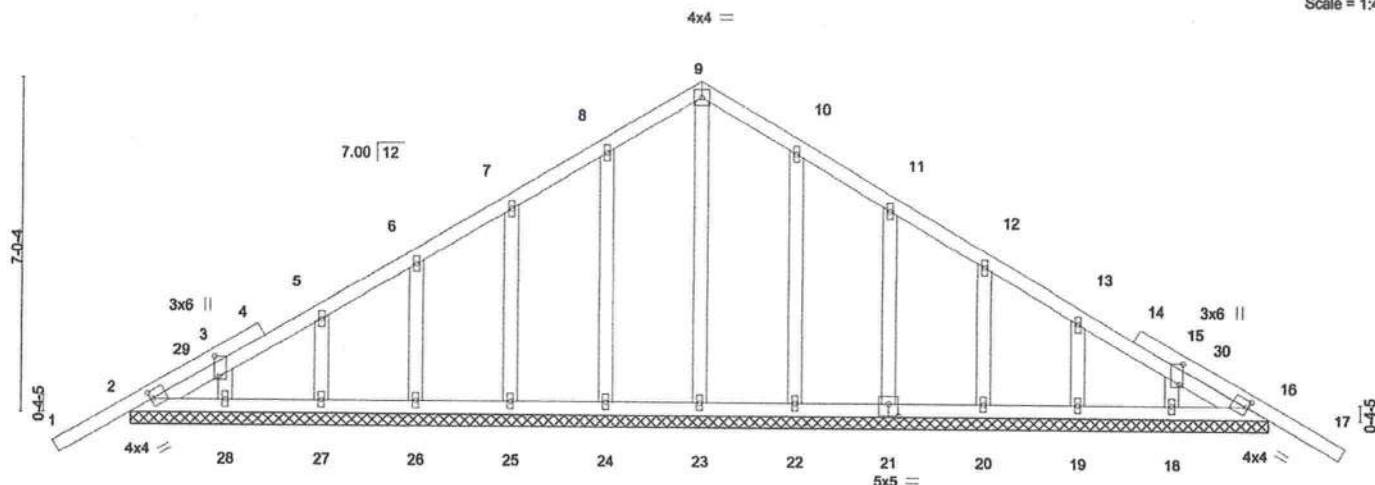


Plate Offsets (X,Y)-- [2:0-0-8,0-1-14], [3:0-5-4,0-1-0], [15:0-5-4,0-1-0], [16:0-0-8,0-1-14], [21:0-2-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.21	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	-0.01	17	n/r	120		
BCLL 0.0	Rep Stress Incr	YES	WB 0.15	Horz(CT)	0.01	16	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-S						Weight: 144 lb	FT = 20%

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

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

REACTIONS. All bearings 24-0-0.
(lb) - Max Horz 2=-249(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 24, 25, 26, 27, 28, 22, 21, 20, 19, 18 except 2=-142(LC 12),
16=-142(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 25, 26, 27, 28, 22, 21, 20, 19, 18

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-158/279, 9-10=-158/279

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-14 to 1-5-2, Exterior(2N) 1-5-2 to 12-0-0, Corner(3R) 12-0-0 to 15-0-0, Exterior(2N) 15-0-0 to 25-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 25, 26, 27, 28, 22, 21, 20, 19, 18 except (j=lb) 2=142, 16=142.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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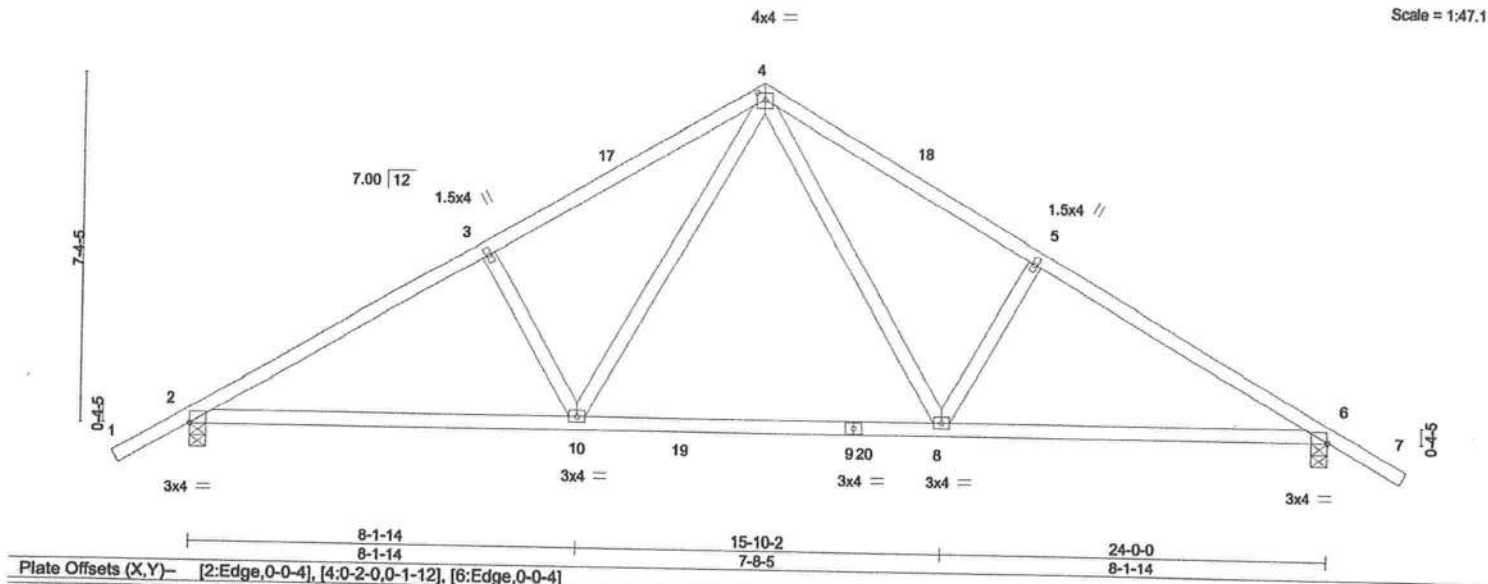
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119957
V0735	T21	Common	16	1		

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:09 2022 Page 1
ID:OlnBGNvOqBOa3JALMMTo9z23Ap-MUzxETrXCHTJ7TgY3PYBGGo6f1jeWOMDC6jPz22hi
17-9-3 5-9-3 24-0-0 25-8-0 1-6-0
6-2-13

Scale = 1:47.1



LOADING (psf)	SPACING-	CSL	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.36	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.65	Vert(LL) -0.11 8-10 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.26	Vert(CT) -0.19 8-16 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.03 6 n/a n/a		
	Code FRC2020/TPI2014			Weight: 117 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=280(LC 10)
Max Uplift 2=425(LC 12), 6=425(LC 12)
Max Grav 2=1107(LC 17), 6=1107(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=1537/549, 3-4=1433/582, 4-5=1433/582, 5-6=1537/549
BOT CHORD 2-10=325/1468, 8-10=93/940, 6-8=343/1282
WEBS 4-8=210/735, 5-8=368/311, 4-10=210/735, 3-10=367/311

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 1-5-2, Interior(1) 1-5-2 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 25-6-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=425, 6=425.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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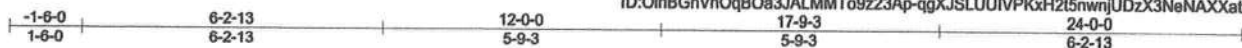


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	T28119958
V0735	T22	Common	1	1		

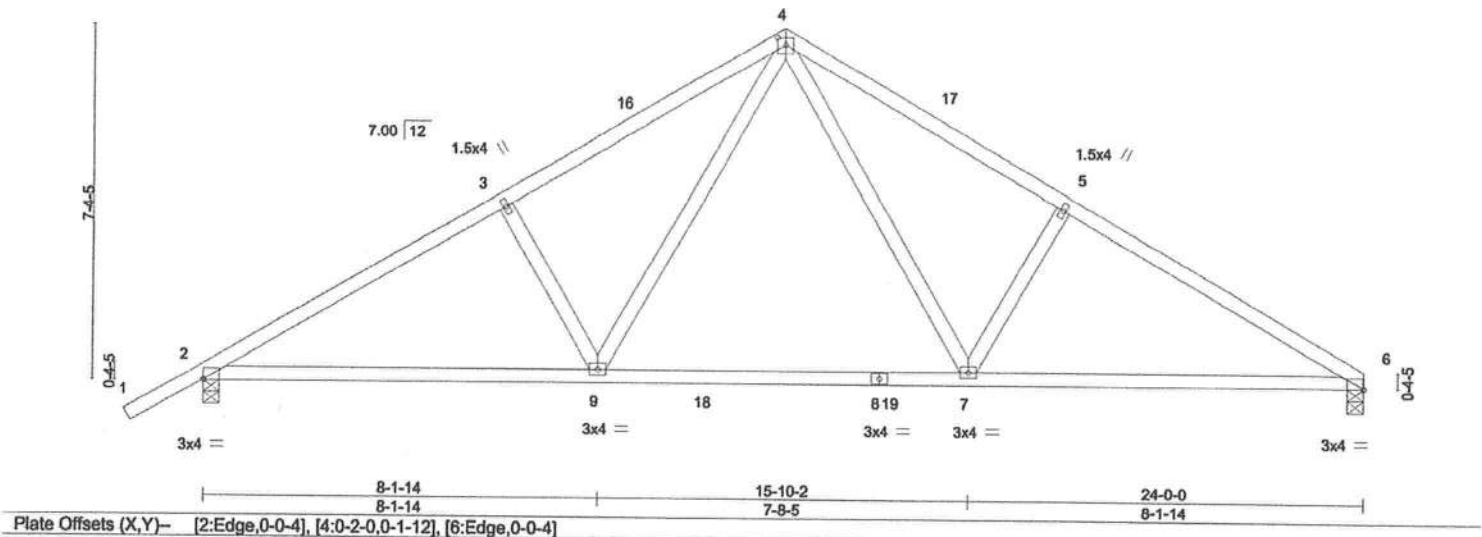
Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:10 2022 Page 1
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4x4 =

Scale = 1:46.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	BC 0.38	Vert(LL)	-0.11	7-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.67	Vert(CT)	-0.20	7-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.28	Horz(CT)	0.03	6	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MS							

Weight: 115 lb FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-8-3 oc bracing.

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=253(LC 11)
Max Uplift 6=321(LC 12), 2=430(LC 12)
Max Grav 6=1025(LC 18), 2=1108(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1539/558, 3-4=-1435/591, 4-5=-1448/605, 5-6=-1551/572
BOT CHORD 2-9=-403/1453, 7-9=-154/924, 6-7=-400/1294
WEBS 4-7=-222/749, 5-7=-375/317, 4-9=-207/734, 3-9=-367/311

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 1-5-2, Interior(1) 1-5-2 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 24-0-0 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=321, 2=430.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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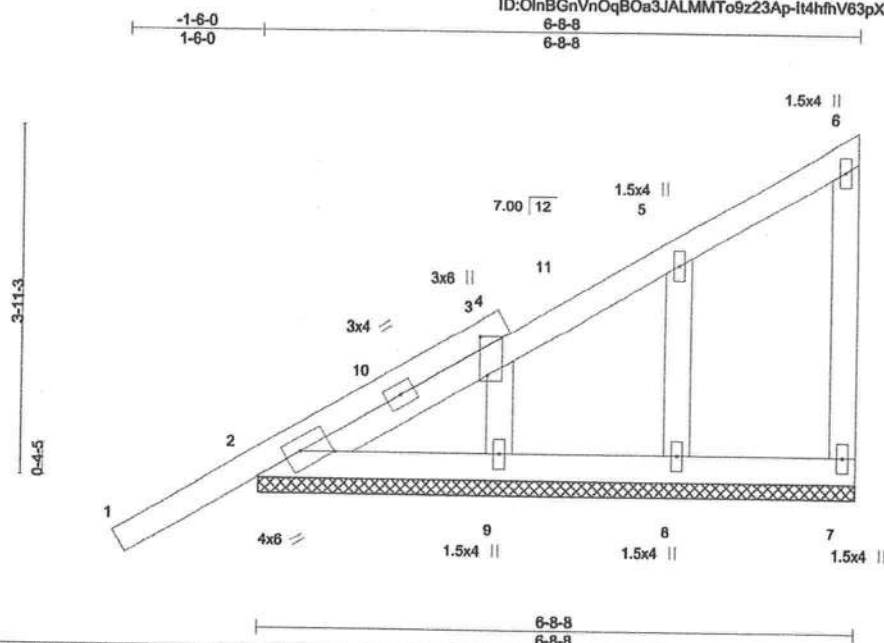


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T23	Monopitch Supported Gable	1	1	T28119959

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:11 2022 Page 1
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Scale = 1:25.2

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

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	-0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-P							

Weight: 38 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 6-8-8.
(lb) - Max Horz 2=225(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 7, 8, 9 except 2=139(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 7, 8, 9

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

TOP CHORD 2-3=-419/262, 3-5=-307/212
WEBS 5-8=-159/308

NOTES-

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=46ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpl=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-14 to 1-5-2, Exterior(2N) 1-5-2 to 6-6-12 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable requires continuous bottom chord bearing.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 8, 9 except (jt=lb) 2=139.
- 8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MH-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

MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T24	Common Supported Gable	1	1	T26119960

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:12 2022 Page 1
ID:0lnBGnVnOqBOa3JALMMTo9z23Ap-m3e3s1Vkg7f1AbCFDCyFovL7sDkr8Sq2BQnKjz22hf
15-3-8 16-9-8
7-7-12 1-6-0

Scale = 1:30.8

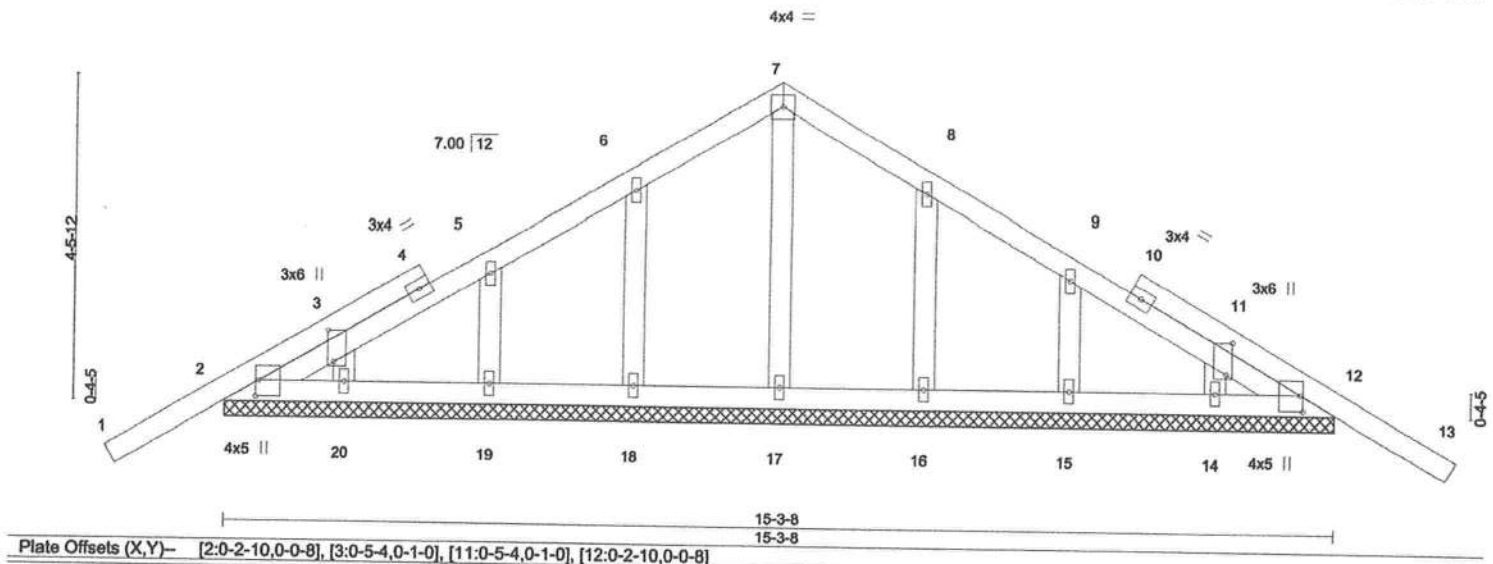


Plate Offsets (X,Y) - [2:0-2-10,0-0-8], [3:0-5-4,0-1-0], [11:0-5-4,0-1-0], [12:0-2-10,0-0-8]

LOADING (psf)	SPACING-	2-0-0	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.26	Vert(LL)	-0.01	13	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	-0.01	13	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	12	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-S						

Weight: 82 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 15-3-8.

(lb) - Max Horz 2=168(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 18, 19, 20, 16, 15, 14 except 2=175(LC 12), 12=175(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 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 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-14 to 1-7-12, Exterior(2N) 1-7-12 to 7-7-12, Corner(3R) 7-7-12 to 10-7-12, Exterior(2N) 10-7-12 to 16-10-6 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 19, 20, 16, 15, 14 except (jt=lb) 2=175, 12=175.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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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

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

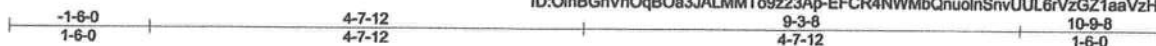
Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T25	Common Supported Gable	1	1	T28119961

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:13 2022 Page 1

ID:0lnBGNvOqBOa3JALMMTo9z23Ap-EFCR4NWMbCnuoInSvUUL6rVzGZ1aaVzHrAKsAz22he

Job Reference (optional)



Scale: 1/2"=1'

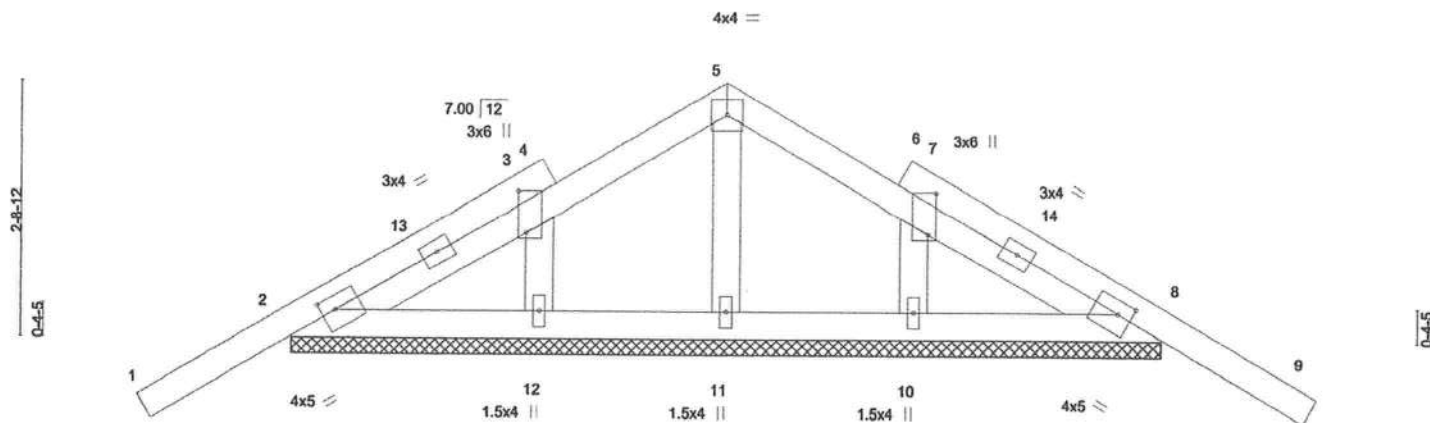


Plate Offsets (X,Y)=[2:0-1-12,0-1-11], [3:0-5-4,0-1-0], [7:0-5-4,0-1-0], [8:0-1-12,0-1-11]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	Vert(LL)	-0.01	9	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	-0.01	9	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-S						
								Weight: 49 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 9-3-8.

(lb) - Max Horz 2=108(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 12, 10 except 2=177(LC 12), 8=177(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) 1-6-14 to 1-5-2, Exterior(2N) 1-5-2 to 4-7-12, Corner(3R) 4-7-12 to 7-7-12, Exterior(2N) 7-7-12 to 10-10-6 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.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 10 except (jt=lb) 2=177, 8=177.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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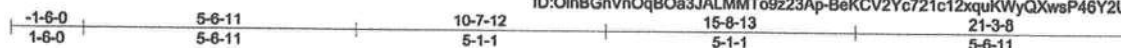
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T26	Common Structural Gable	1	1	T26119962

Duley Truss, Dunnellon, FL - 34430.

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:15 2022 Page 1

ID:0lnB8GnVnOqB0a3JALMMT09z23Ap-BeKCV2Yc721c12xquKWyQXwsP46Y2UUGk9fRx2z22hc



Scale = 1:45.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.25	Vert(LL)	-0.10 12-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.56	Vert(CT)	-0.18 12-14	>592	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.10	Horz(CT)	0.02 38	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MS						
							Weight: 148 lb	FT = 20%

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

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

REACTIONS. All bearings 6-4-0 except (lt=length) 15=0-3-8, 11=0-3-8.
(lb) - Max Horz 2=216(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17, 9 except 2=267(LC 12), 8=125(LC 12), 16=219(LC 17), 10=222(LC 18), 15=200(LC 12), 11=212(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 16, 10 except 2=525(LC 17), 8=434(LC 18), 17=282(LC 17), 9=309(LC 18), 15=414(LC 17), 11=401(LC 18), 2=478(LC 1), 8=367(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=770/264, 4-5=673/280, 5-6=697/275, 6-8=796/259
BOT CHORD 2-17=167/769, 16-17=167/769, 15-16=167/769, 14-15=167/769, 12-14=3/472, 11-12=155/649, 10-11=155/649, 9-10=155/649, 8-9=155/649
WEBS 5-12=43/297, 6-12=307/276, 5-14=42/281, 4-14=301/273

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; End., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E)-1-6-14 to 1-5-2, Interior(1) 1-5-2 to 10-7-12, Exterior(2R) 10-7-12 to 13-7-12, Interior(1) 13-7-12 to 21-3-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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 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, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 9 except (jt=lb) 2=267, 8=125, 16=219, 10=222, 15=200, 11=212, 2=267, 8=125.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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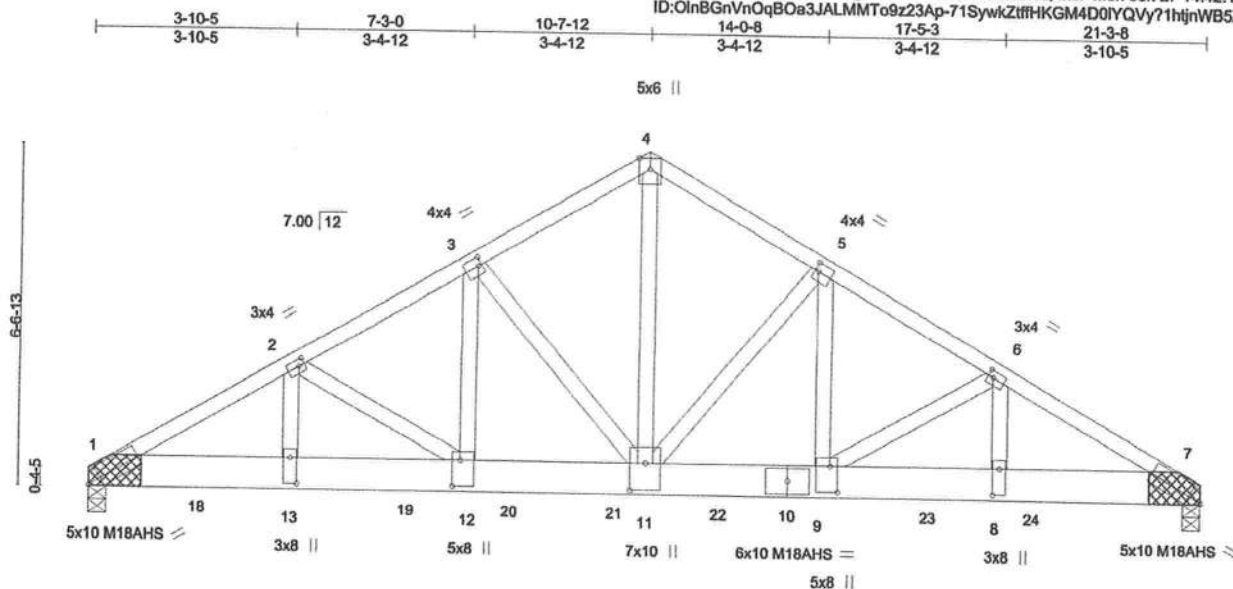
MiTek

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	T27	Common Girder	1	2		T28119963

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:17 2022 Page 1
ID:OlnBGnVnQqBOa3JALMMTo9z23Ap-71SywkZtftHKGM4D0IYQVv71hijnWB5ZBT8X?xz22ha



Scale = 1:42.8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.90	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.89	Vert(LL) 0.19 9-11 >999 240	M18AHS	186/179
BCLL 0.0 *	Lumber DOL 1.25	WB 0.93	Vert(CT) -0.31 9-11 >803 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.08 7 n/a n/a		
	Code FRC2020/TP12014			Weight: 329 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x8 SP No.1D
WEBS 2x4 SP No.3 *Except*
4-11: 2x4 SP No.2D

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-3 oc bracing.

REACTIONS. (size) 1=0-4-0, 7=(0-4-0 + bearing block) (req. 0-4-8)
Max Horz 1=201(LC 7)
Max Uplift 1=2771(LC 8), 7=3087(LC 8)
Max Grav 1=7973(LC 2), 7=8913(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=14012/4872, 2-3=11863/4159, 3-4=9287/3321, 4-5=9287/3321, 5-6=12082/4232,
6-7=14655/5081
BOT CHORD 1-13=-4141/12074, 12-13=-4141/12074, 11-12=-3440/10226, 9-11=-3503/10417,
8-9=-4323/12631, 7-8=-4323/12631
WEBS 4-11=-3197/9123, 5-11=-3786/1386, 5-9=-1395/4196, 6-9=-2622/969, 6-8=-828/2582,
3-11=-3487/1287, 3-12=-1282/3856, 2-12=-2189/828, 2-13=-685/2140

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 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 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.
- 2x8 SP No.1D bearing block 12" long at jt. 7 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.1D.
- 2x8 SP No.1D bearing block 12" long at jt. 1 attached to each face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SP No.1D.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-18; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=2771, 7=3087.

Continued on page 2

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T27	Common Girder	1	2	T28119963

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 18 2021 MiTek Industries, Inc. Mon Jun 27 14:42:17 2022 Page 2
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NOTES-

- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1303 lb down and 460 lb up at 2-0-12, 1240 lb down and 431 lb up at 4-0-12, 1665 lb down and 572 lb up at 6-0-12, 1665 lb down and 572 lb up at 8-0-12, 1665 lb down and 572 lb up at 10-0-12, 1665 lb down and 572 lb up at 12-0-12, 1665 lb down and 572 lb up at 14-0-12, 1665 lb down and 572 lb up at 16-0-12, and 1665 lb down and 572 lb up at 18-0-12, and 1346 lb down and 473 lb up at 20-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 1-7=-20

Concentrated Loads (lb)

Vert: 9=-1485(B) 13=-1113(B) 17=-1210(B) 18=-1167(B) 19=-1485(B) 20=-1485(B) 21=-1485(B) 22=-1485(B) 23=-1485(B) 24=-1485(B)



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

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T28	Common Supported Gable	1	1	T28119964

Duley Truss, Dunnellon, FL - 34430,

Job Reference (optional)

8.430 s Aug 16 2021 MITek Industries, Inc. Mon Jun 27 14:42:18 2022 Page 1
ID:OlnBGnVnQqBOa3JALMMTo8z23Ap-bD7K74eVPzQBWIPZS3f2AYKAHFOEmiQ7I5YNz22hZ



Scale = 1:19.0

Plate Offsets (X,Y)-		[2:0-4-0,Edge], [6:0-4-0,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34
TCDL 7.0	Lumber DOL	1.25	BC 0.10
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07
BCDL 10.0	Code FRC2020/TP12014		Matrix-P
			DEFL. in (loc) l/defl L/d
			Vert(LL) -0.00 7 n/r 120
			Vert(CT) -0.01 7 n/r 120
			Horz(CT) 0.00 6 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 33 lb FT = 20%

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

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

REACTIONS. (size) 2=6-7-0, 6=6-7-0, 8=6-7-0
Max Horz 2=82(LC 11)
Max Uplift 2=187(LC 12), 6=187(LC 12), 8=5(LC 12)
Max Grav 2=205(LC 21), 6=205(LC 22), 8=263(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-8=-299/228

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpl=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-14 to 1-5-2, Exterior(2N) 1-5-2 to 3-3-8, Corner(3R) 3-3-8 to 6-7-0, Exterior(2N) 6-7-0 to 8-1-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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/TP1 1.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (if=lb) 2=187, 6=187.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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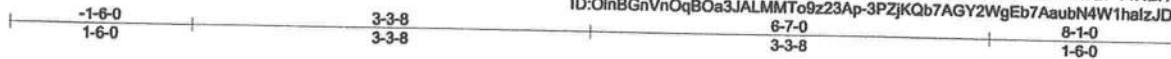
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



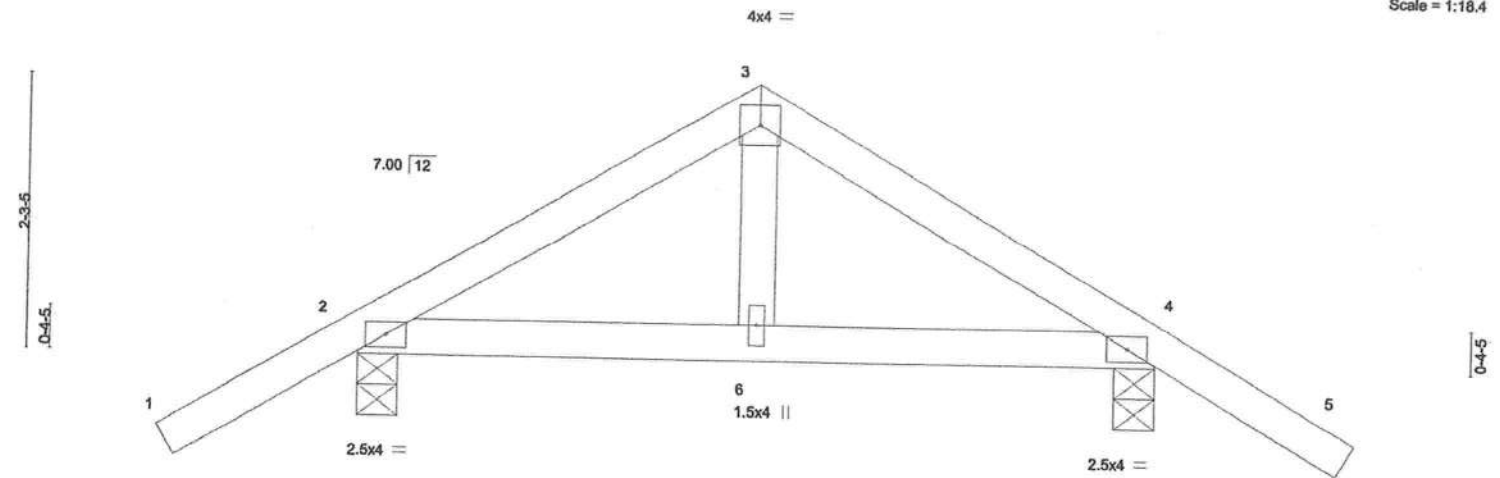
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	T29	Common	1	1		T28119965
Duley Truss, Dunnellon, FL - 34430,						Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:19 2022 Page 1
ID:OlnBgNvNqBOa3JALMMTo9z23Ap-3PZjKQb7AGY2WgEb7AaubN4W1halzJDsfnde4pz22hY



Scale = 1:18.4



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.01	6-12	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.01	6-12	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a			
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MP									
												Weight: 29 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 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=0-4-0, 4=0-4-0
Max Horz 2=93(LC 11)
Max Uplift 2=189(LC 12), 4=189(LC 12)
Max Grav 2=329(LC 1), 4=329(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=314/168, 3-4=315/168

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; End., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-14 to 1-5-2, Interior(1) 1-5-2 to 3-3-8, Exterior(2R) 3-3-8 to 6-1-7, Interior(1) 6-1-7 to 8-1-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 2=189, 4=189.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28,2022

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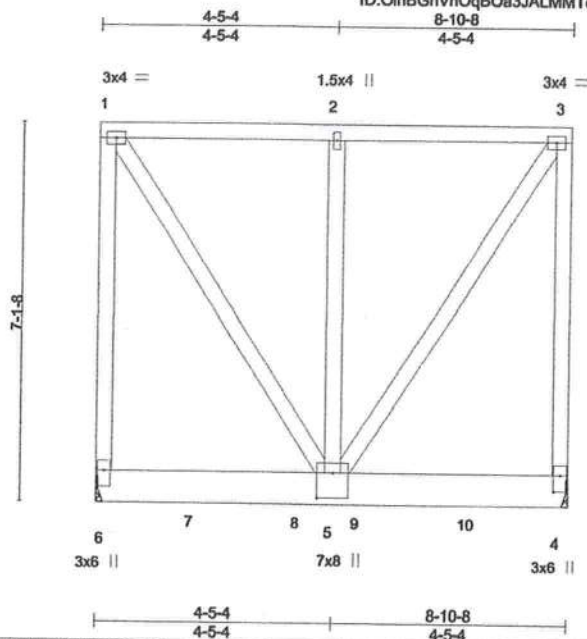


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T30	Flat Girder	1	2	T28119966

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:22 2022 Page 1
ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-T_FrzSd7TBwdN7zAol8bC0izPuawAaWILrth8z22hV



Scale = 1:42.0

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

LOADING (psf)	SPACING-	CSL	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.52	Vert(LL) -0.02	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.25	Vert(CT) -0.03	5-6	>999	180		
BCCL 0.0 *	Rep Stress Incr NO	WB 0.40	Horz(CT) -0.00	4	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014	Matrix-MP						

Weight: 181 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D
BOT CHORD 2x8 SP No.1D
WEBS 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) 6=Mechanical, 4=Mechanical
Max Horz 6=357(LC 5)
Max Uplift 6=1028(LC 4), 4=1007(LC 5)
Max Grav 6=2549(LC 2), 4=2484(LC 2)

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

TOP CHORD 1-6=-1860/837, 1-2=-1145/493, 2-3=-1145/493, 3-4=-1860/837
BOT CHORD 5-6=-317/276
WEBS 1-5=-889/2118, 2-5=-275/293, 3-5=-889/2118

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: 2x8 - 2 rows staggered at 0-8-0 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.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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.
- 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) 6=1028, 4=1007.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1121 lb down and 358 lb up at 1-9-12, 1121 lb down and 358 lb up at 3-9-12, and 1121 lb down and 358 lb up at 4-11-4, and 1121 lb down and 358 lb up at 6-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-6=-20

Continued on page 2



Julius Lee PE No. 34869
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T30	Flat Girder	1	2	T28119966

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:22 2022 Page 2
ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-T_FrzSd?TBwdN7zAol6bC0izPuawAaWILrlh8z22hV

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-971(B) 8=-971(B) 9=-971(B) 10=-971(B)

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	T31	Half Hip Girder	2	1		T28119967
Duley Truss, Dunnellon, FL - 34430,		Job Reference (optional)				

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:23 2022 Page 1
ID:OlnBGNVnOqBOa3JALMMTo9z23Ap-yApDAoedEV2U_HYNNM0fIDF4jlmJvx0SaPbsDbz22hU

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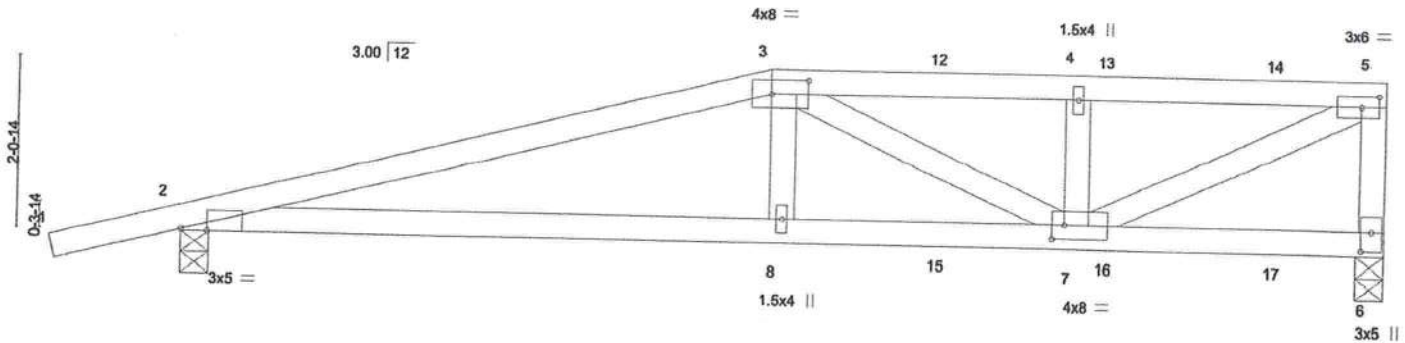


Plate Offsets (X,Y)-	[2:0-3-12,Edge], [3:0-5-4,0-2-0], [5:0-2-8,0-1-8], [6:0-2-12,0-1-8], [7:0-1-12,0-2-0]
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LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.88	Vert(LL) 0.13 8-11 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.77	Vert(CT) -0.22 8-11 >773 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.04 6 n/a n/a		
	Code FRC2020/TPI2014			Weight: 63 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 6-2-11 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=113(LC 7)
Max Uplift 6=455(LC 5), 2=468(LC 4)
Max Grav 6=1186(LC 1), 2=979(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=2661/1018, 3-4=1869/729, 4-5=1869/729, 5-6=1086/484
BOT CHORD 2-8=967/2554, 7-8=970/2598
WEBS 3-8=39/583, 3-7=809/326, 4-7=424/351, 5-7=780/2023

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=455, 2=468.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 194 lb down and 258 lb up at 7-0-0, 107 lb down and 136 lb up at 9-0-12, and 107 lb down and 136 lb up at 11-0-12, and 111 lb down and 142 lb up at 13-0-12 on top chord, and 355 lb down and 104 lb up at 7-0-0, 82 lb down at 9-0-12, and 82 lb down at 11-0-12, and 83 lb down at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 6-9=-20
Concentrated Loads (lb)
Vert: 3=-147(F) 8=-355(F) 12=-107(F) 13=-107(F) 14=-111(F) 15=-67(F) 16=-67(F) 17=-71(F)



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES
V0735	T32	Monopitch	17	1	T28119968

Duley Truss, Dunnellon, FL - 34430,

8,430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:24 2022 Page 1

ID:OlnBGnVnOqBOa3JALMMTo9z23Ap-QNNcO7IG?pAKcR7ZwjA3IRoKGICPeXmbo3KPH1z22hT

-1-6-0
1-6-0

4-6-12
4-6-12

8-4-0
3-9-4

Scale = 1:18.3

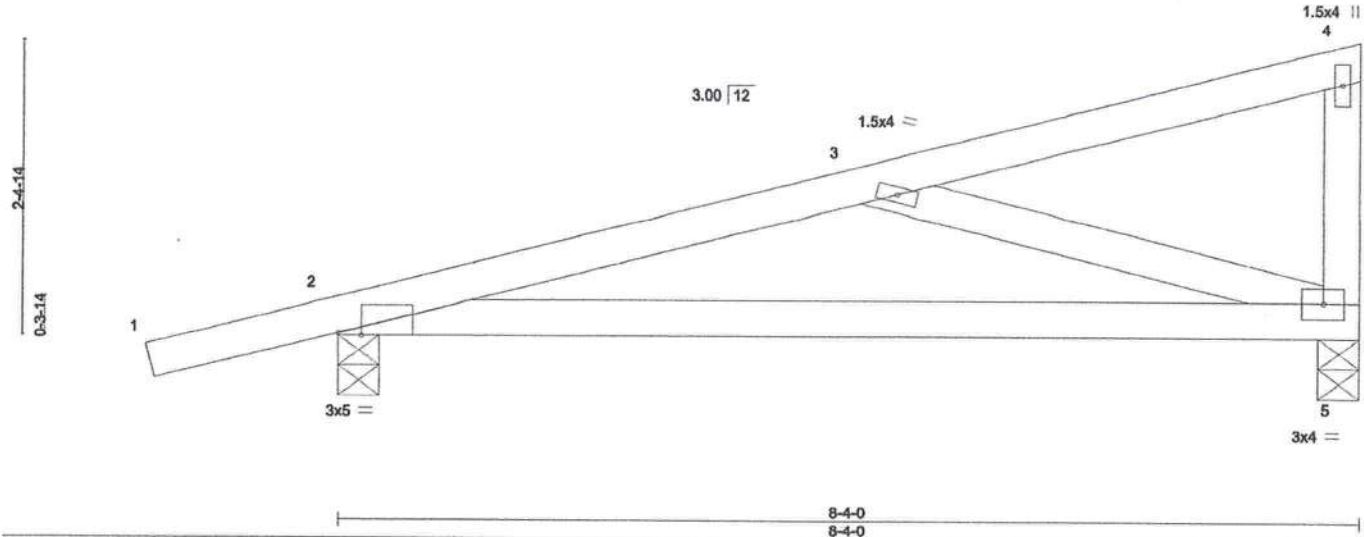


Plate Offsets (X,Y)- [2:0-2-4,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.49	Vert(LL)	-0.10	5-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.20	5-8	>500	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	-0.01	5	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-MP						Weight: 36 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 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 7-0-12 oc bracing.

REACTIONS.

(size) 2=0-4-0, 5=0-4-0
Max Horz 2=130(LC 11)
Max Uplift 2=239(LC 8), 5=126(LC 8)
Max Grav 2=394(LC 1), 5=295(LC 1)

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

TOP CHORD 2-3=582/664
BOT CHORD 2-5=772/584
WEBS 3-5=595/762

NOTES-

- 1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-7 to 1-5-9, Interior(1) 1-5-9 to 8-2-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=239, 5=126.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022



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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **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

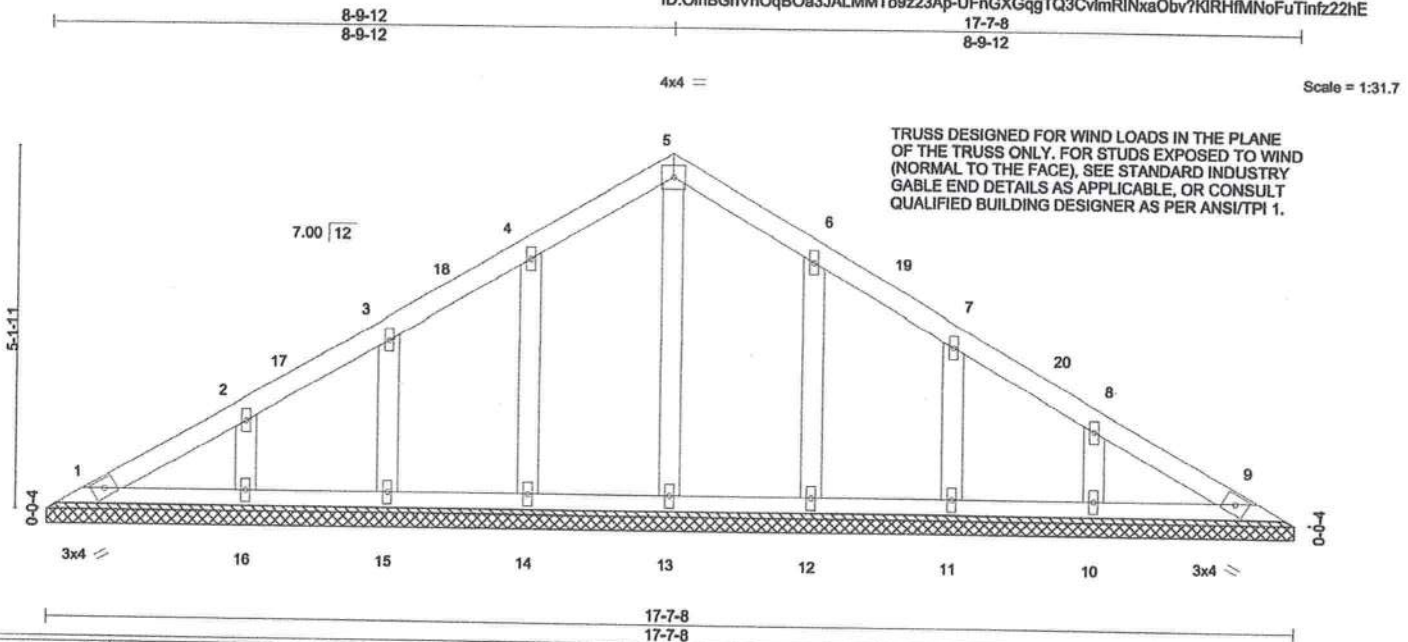


16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job	Truss	Truss Type	Qty	Ply	HARTZOG RES	
V0735	V1	GABLE	1	1		T28119989

Duley Truss, Dunnellon, FL - 34430,

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Jun 27 14:42:39 2022 Page 1
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	9	n/a	n/a		
BCDL 10.0	Code FRC2020/TPI2014		Matrix-S							
									Weight: 82 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 17-7-8.
(lb) - Max Horz 1=159(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 14, 15, 12, 11 except 16=106(LC 12), 10=106(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 13, 14, 15, 16, 12, 11, 10

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 8-9-12, Exterior(2R) 8-9-12 to 11-9-12, Interior(1) 11-9-12 to 17-1-0 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
- All plates are 1.5x4 MT20 unless otherwise indicated.
- 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, 14, 15, 12, 11 except (jt=lb) 16=106, 10=106.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

June 28, 2022

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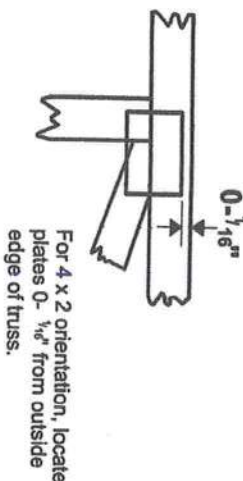
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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Symbols

PLATE LOCATION AND ORIENTATION



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

* 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



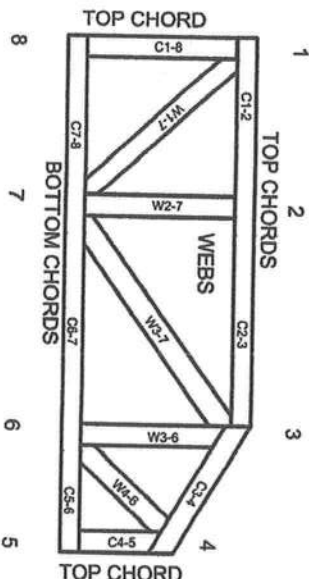
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: 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

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



JOINTS ARE GENERALLY NUMBERED/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/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MLL-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 for l 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/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
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/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.