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

RE: V0182 - SENTER / SKIP HARVEY

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: 84 LUMBER Project Name: SENTER Model: .
Lot/Block: . Subdivision: ..
Address: ., .
City: . State: FL

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

Name: License #:
Address:
City: State:

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

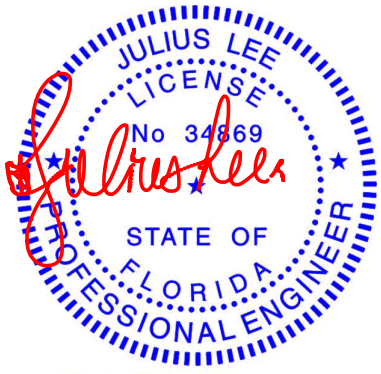
Design Code: FRC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 140 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 31 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	T27623216	EJ7	5/4/22	23	T27623238	T22	5/4/22
2	T27623217	T1	5/4/22	24	T27623239	T23	5/4/22
3	T27623218	T2	5/4/22	25	T27623240	T24	5/4/22
4	T27623219	T3	5/4/22	26	T27623241	T25	5/4/22
5	T27623220	T4	5/4/22	27	T27623242	T26	5/4/22
6	T27623221	T5	5/4/22	28	T27623243	T27	5/4/22
7	T27623222	T6	5/4/22	29	T27623244	T28	5/4/22
8	T27623223	T7	5/4/22	30	T27623245	T29	5/4/22
9	T27623224	T8	5/4/22	31	T27623246	T30	5/4/22
10	T27623225	T9	5/4/22				
11	T27623226	T10	5/4/22				
12	T27623227	T11	5/4/22				
13	T27623228	T12	5/4/22				
14	T27623229	T13	5/4/22				
15	T27623230	T14	5/4/22				
16	T27623231	T15	5/4/22				
17	T27623232	T16	5/4/22				
18	T27623233	T17	5/4/22				
19	T27623234	T18	5/4/22				
20	T27623235	T19	5/4/22				
21	T27623236	T20	5/4/22				
22	T27623237	T21	5/4/22				

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.



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Date: May 5,2022

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

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	EJ7	Jack-Open	13	1	T27623216
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:00 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-aJXChxLvFmXYd_tExyo4ris3yyvDKbLsEBPcQ5zJwkb

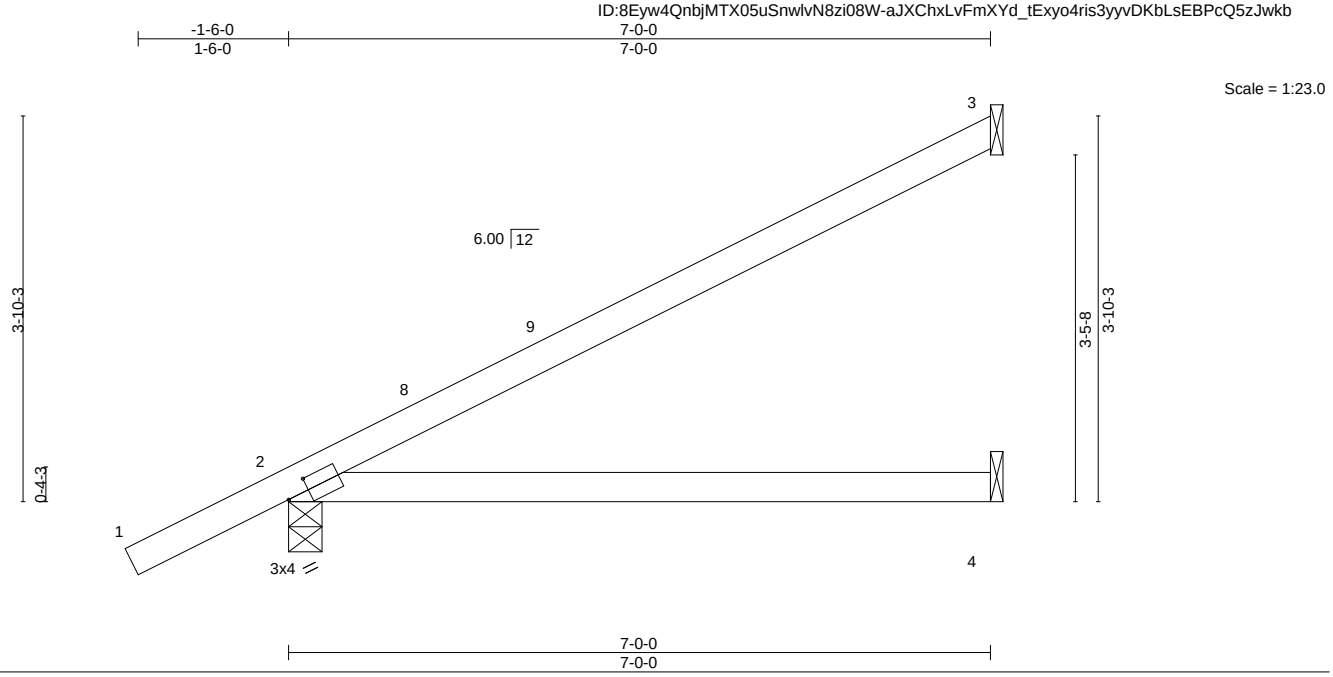


Plate Offsets (X,Y)-- [2:0-2-10,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.16	4-7	>521	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.20	4-7	>426	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MP							Weight: 25 lb	FT = 20%

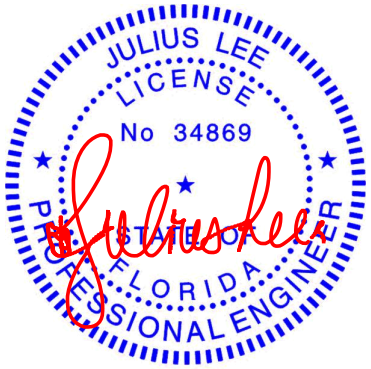
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 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=221(LC 12)
Max Uplift 3=-137(LC 12), 2=-165(LC 12)
Max Grav 3=165(LC 17), 2=351(LC 1), 4=125(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) -1-6-13 to 1-5-3, Interior(1) 1-5-3 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 137 lb uplift at joint 3 and 165 lb uplift at joint 2.



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Date:

May 5,2022

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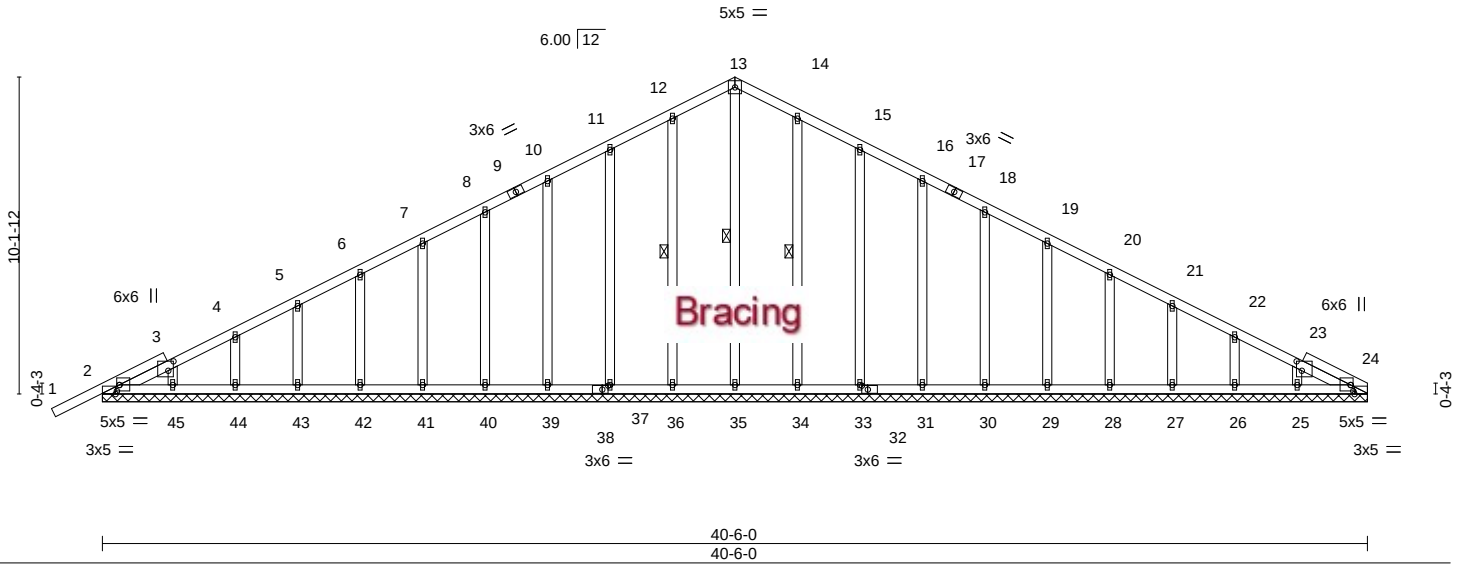
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T1	Common Supported Gable	1	1	T27623217
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:03 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-_uDLJyNnXhv7UScpd4MnSKUjQA3yXwwIx9eG1QzJwkY

-1-6-0 20-3-0 40-6-0
1-6-0 20-3-0 20-3-0

Scale = 1:73.8



40-6-0
40-6-0

Plate Offsets (X,Y)-- [2:0-1-0,0-2-5], [2:0-1-8,Edge], [3:0-3-10,0-2-0], [23:0-3-10,0-2-0], [24:0-1-0,0-2-5], [24:0-1-8,Edge], [32:0-2-4,0-1-8], [38:0-2-4,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	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	0.14	Horz(CT)	0.01	24	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-S							Weight: 272 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.
WEBS 1 Row at midpt 13-35, 12-36, 14-34

REACTIONS. All bearings 40-6-0.
(lb) - Max Horz 2=329(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 36, 37, 39, 40, 41, 42, 43, 44, 45, 34, 33, 31, 30, 29, 28, 27, 26, 25 except 2=-111(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 35, 36, 37, 39, 40, 41, 42, 43, 44, 45, 34, 33, 31, 30, 29, 28, 27, 26, 25, 24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-120/321, 11-12=-139/400, 12-13=-163/466, 13-14=-163/466, 14-15=-139/400, 15-16=-112/321
BOT CHORD 2-45=-92/259, 44-45=-92/259, 43-44=-92/259, 42-43=-92/259, 41-42=-92/259, 40-41=-92/259, 39-40=-92/259, 37-39=-92/259, 36-37=-92/259, 35-36=-92/259, 34-35=-92/259, 33-34=-92/259, 31-33=-92/259, 30-31=-92/259, 29-30=-92/259, 28-29=-92/259, 27-28=-92/259, 26-27=-92/259, 25-26=-92/259, 24-25=-92/259
WEBS 13-35=-279/63

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=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-13 to 2-3-0, Exterior(2N) 2-3-0 to 20-3-0, Corner(3R) 20-3-0 to 24-3-0, Exterior(2N) 24-3-0 to 40-6-0 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 36, 37, 39, 40, 41, 42, 43, 44, 45, 34, 33, 31, 30, 29, 28, 27, 26, 25 except (jt=lb) 2=111.

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Date:

May 5,2022

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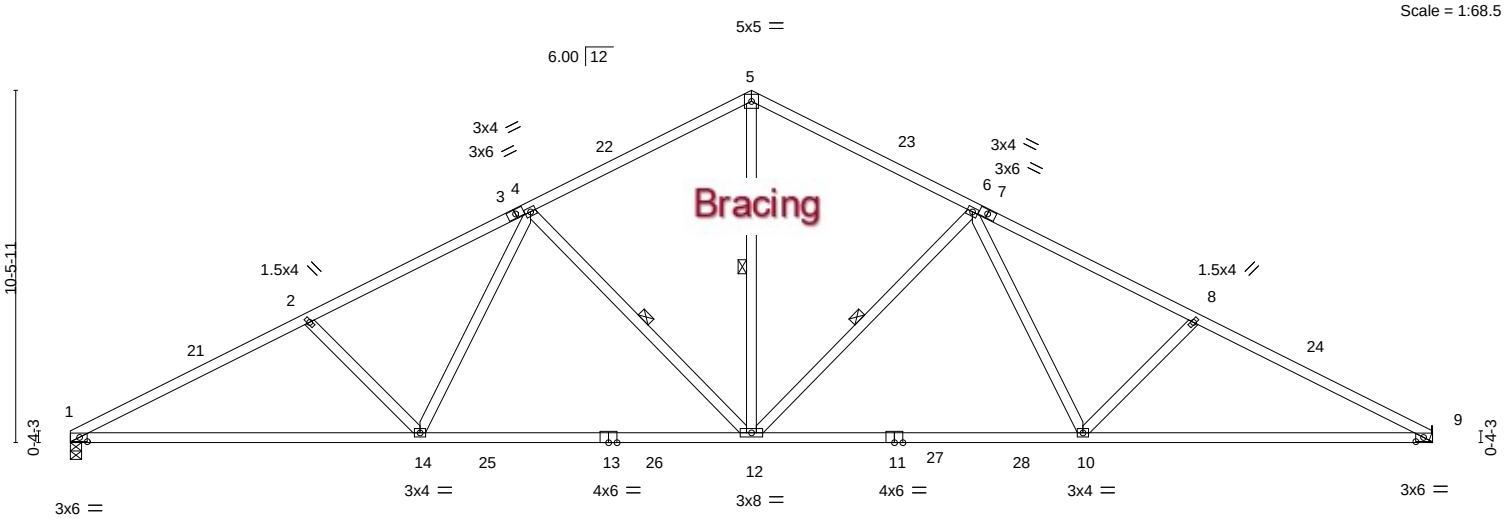
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T2	Common	7	1	T27623218
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:14 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-A?NVdjWhy4IZJ8ywmu2MPfRT0ccUbp9wSNoLwHzJwkN

7-1-5	13-8-3	20-3-0	26-9-13	33-4-11	40-6-0
7-1-5	6-6-13	6-6-13	6-6-13	6-6-13	7-1-5

Scale = 1:68.5



10-4-12	20-3-0	30-1-4	40-6-0
10-4-12	9-10-4	9-10-4	10-4-12

Plate Offsets (X,Y)-- [1:0-2-12,0-1-8], [9:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.34	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.56	12-14	>870	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(CT)	0.14	9	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MS							Weight: 206 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2D
BOT CHORD	2x4 SP No.1
WEBS	2x4 SP No.3

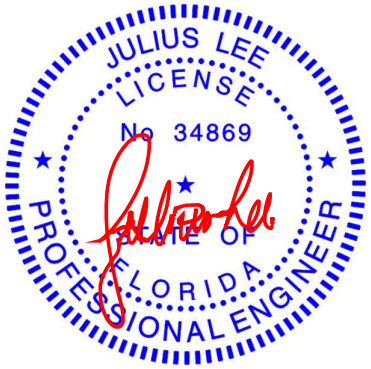
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 5-12, 6-12, 4-12

REACTIONS. (size) 1=0-4-0, 9=Mechanical
Max Horz 1=-320(LC 10)
Max Uplift 1=-550(LC 12), 9=-550(LC 12)
Max Grav 1=1749(LC 17), 9=1749(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3238/1205, 2-4=-3000/1130, 4-5=-2023/915, 5-6=-2023/915, 6-8=-3000/1130, 8-9=-3239/1205
BOT CHORD 1-14=-962/3091, 12-14=-691/2456, 10-12=-672/2256, 9-10=-967/2851
WEBS 5-12=-507/1471, 6-12=-888/449, 6-10=-148/800, 8-10=-419/337, 4-12=-888/449, 4-14=-148/799, 2-14=-419/337

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 4-0-10, Interior(1) 4-0-10 to 20-3-0, Exterior(2R) 20-3-0 to 24-3-10, Interior(1) 24-3-10 to 40-6-0 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=550, 9=550.



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Date:

May 5,2022

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T3	Common Girder	1	2	T27623219

Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:26 2022 Page 1

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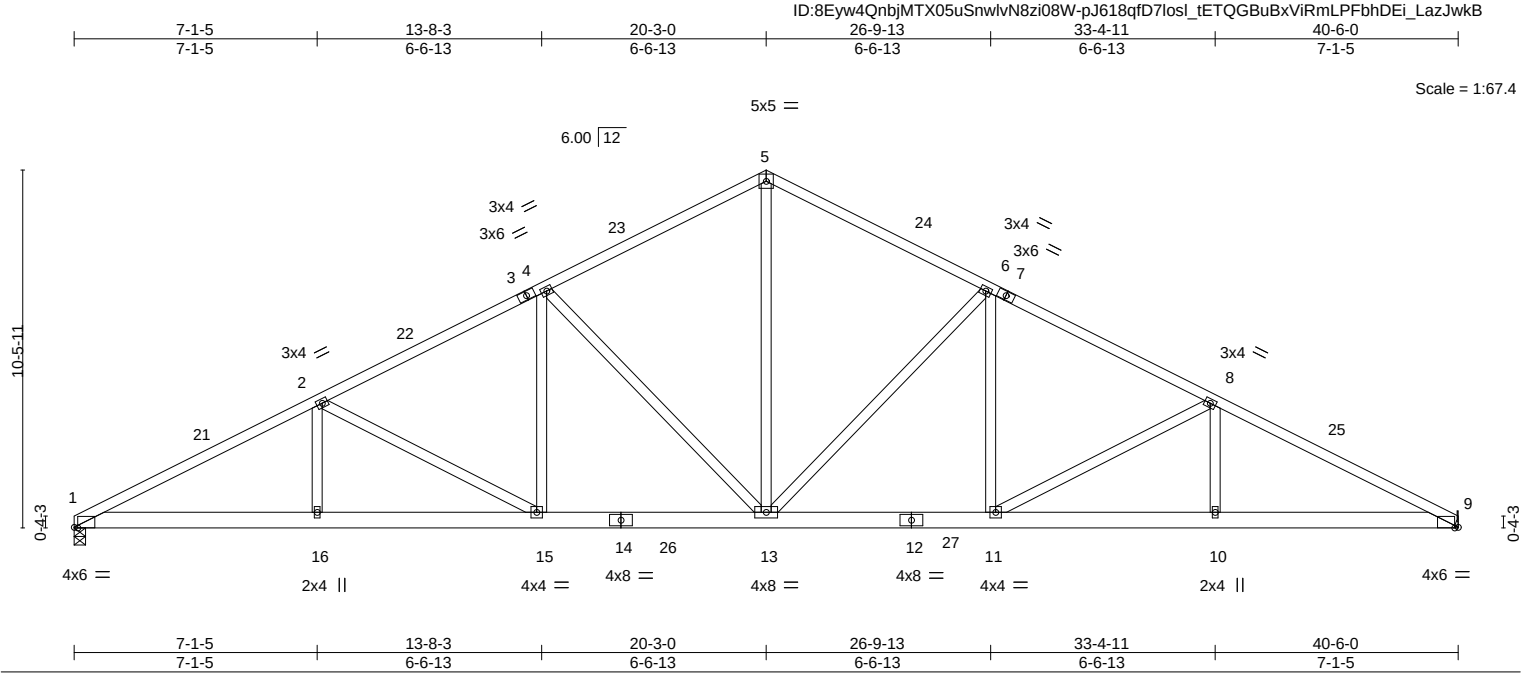


Plate Offsets (X,Y)-- [1:0-1-4,0-0-3], [9:0-1-4,0-0-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	-0.09	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.20	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 507 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 9=Mechanical
Max Horz 1=319(LC 11)
Max Uplift 9=-425(LC 12)
Max Grav 1=2853(LC 17), 9=1850(LC 18)

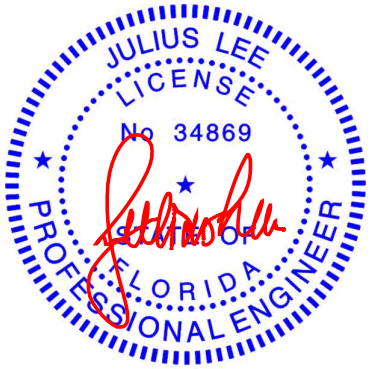
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-4960/1215, 2-4=-3260/1049, 4-5=-2264/923, 5-6=-2265/924, 6-8=-2898/1047, 8-9=-3600/1207
BOT CHORD 1-16=-965/4414, 15-16=-965/4414, 13-15=-684/2950, 11-13=-663/2517, 10-11=-964/3149, 9-10=-964/3149
WEBS 5-13=-514/1686, 6-13=-946/421, 6-11=-70/599, 8-11=-764/343, 8-10=0/307, 4-13=-1282/423, 4-15=-72/976, 2-15=-1660/351, 2-16=0/507

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; 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 4-0-10, Interior(1) 4-0-10 to 20-3-0, Exterior(2R) 20-3-0 to 24-3-10, Interior(1) 24-3-10 to 40-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=425.
9) Load case(s) 1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard



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Date: May 5,2022

Continued on page 2

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Tampa, FL 36610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 5-22=-54, 5-9=-54, 1-9=-20
   Trapezoidal Loads (plf)
   Vert: 1=-254-to-22=-104
2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 5-22=-44, 5-9=-44, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
   Trapezoidal Loads (plf)
   Vert: 1=-244-to-22=-94
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 5-22=-14, 5-9=-14, 1-9=-40
   Trapezoidal Loads (plf)
   Vert: 1=-214-to-22=-64
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=13, 5-9=25, 1-9=-12
   Horz: 1-5=-21, 5-9=33
   Trapezoidal Loads (plf)
   Vert: 1=-187-to-22=-37
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=25, 5-9=13, 1-9=-12
   Horz: 1-5=-33, 5-9=21
   Trapezoidal Loads (plf)
   Vert: 1=-175-to-22=-25
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=-30, 5-9=2, 1-9=-20
   Horz: 1-5=16, 5-9=16
   Trapezoidal Loads (plf)
   Vert: 1=-230-to-22=-80
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=2, 5-9=-30, 1-9=-20
   Horz: 1-5=-16, 5-9=-16
   Trapezoidal Loads (plf)
   Vert: 1=-198-to-22=-48
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=39, 5-9=39, 1-9=-12
   Horz: 1-5=-48, 5-9=48
   Trapezoidal Loads (plf)
   Vert: 1=-161-to-22=-11
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=22, 5-9=22, 1-9=-12
   Horz: 1-5=-30, 5-9=30
   Trapezoidal Loads (plf)
   Vert: 1=-178-to-22=-28
14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=-15, 5-9=-15, 1-9=-20
   Horz: 1-5=1, 5-9=-1
   Trapezoidal Loads (plf)
   Vert: 1=-215-to-22=-65
15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=-15, 5-9=-15, 1-9=-20
   Horz: 1-5=1, 5-9=-1
   Trapezoidal Loads (plf)
   Vert: 1=-215-to-22=-65
16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 5-22=-14, 5-9=-14, 1-15=-40, 15-26=-60, 26-27=-40, 11-27=-60, 9-11=-40
   Trapezoidal Loads (plf)
   Vert: 1=-214-to-22=-64
17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 5-22=-56, 5-9=-32, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
   Horz: 1-5=12, 5-9=12
   Trapezoidal Loads (plf)
   Vert: 1=-256-to-22=-106

Continued on page 3

LOAD CASE(S) Standard

18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 5-22=-32, 5-9=-56, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
Horz: 1-5=-12, 5-9=-12
Trapezoidal Loads (plf)
Vert: 1=-232-to-22=-82

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 5-22=-45, 5-9=-45, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
Horz: 1-5=1, 5-9=-1
Trapezoidal Loads (plf)
Vert: 1=-245-to-22=-95

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 5-22=-45, 5-9=-45, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
Horz: 1-5=1, 5-9=-1
Trapezoidal Loads (plf)
Vert: 1=-245-to-22=-95

21) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-22=-54, 5-9=-14, 1-9=-20
Trapezoidal Loads (plf)
Vert: 1=-254-to-22=-104

22) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-22=-14, 5-9=-54, 1-9=-20
Trapezoidal Loads (plf)
Vert: 1=-214-to-22=-64

23) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-22=-44, 5-9=-14, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
Trapezoidal Loads (plf)
Vert: 1=-244-to-22=-94

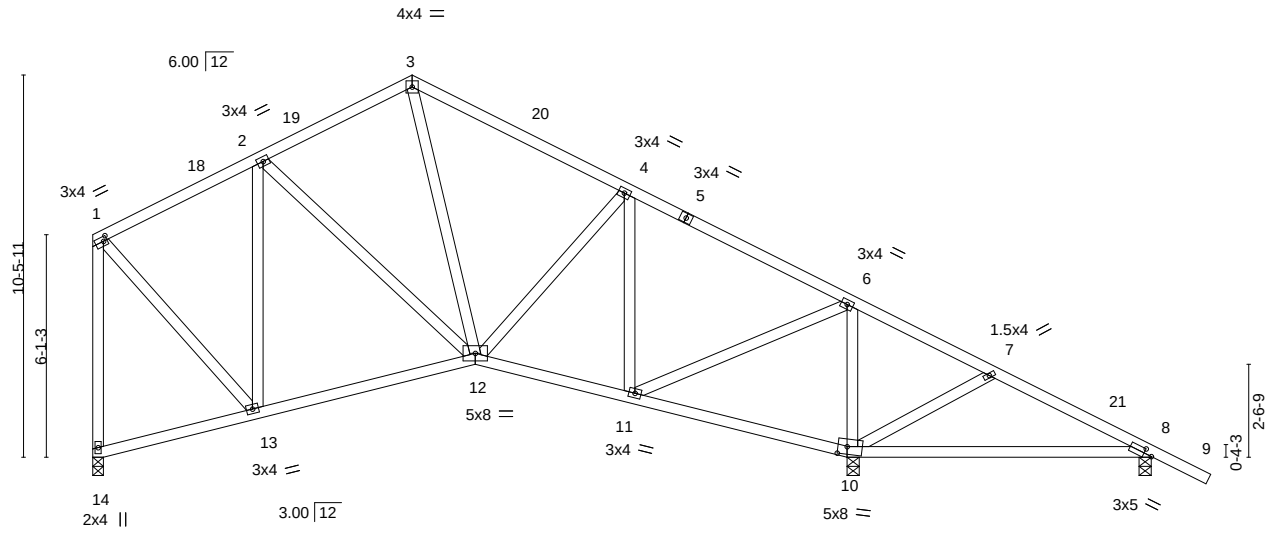
24) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-22=-14, 5-9=-44, 1-15=-35, 15-26=-50, 26-27=-35, 11-27=-50, 9-11=-35
Trapezoidal Loads (plf)
Vert: 1=-214-to-22=-64

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T4	Roof Special	4	1	T27623220
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:28 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-liEnZWhTfN2a_l0caqIfzc0uwFWrtBu_gYB5PTzJwk9

4-6-4	8-9-0	14-8-8	20-8-0	24-6-12	29-0-0	30-6-0
4-6-4	4-2-12	5-11-8	5-11-8	3-10-12	4-5-4	1-6-0

Scale = 1:63.1



4-6-4	10-5-12	14-8-8	20-8-0	20-10-0	29-0-0
4-6-4	5-11-8	4-2-12	5-11-8	0-2-0	8-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.10	10-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.20	10-17	>496	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 184 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 6-0-0 oc bracing.

REACTIONS. (size) 14=0-3-8, 10=0-4-0, 8=0-4-0
Max Horz 14=-481(LC 10)
Max Uplift 14=-273(LC 12), 10=-421(LC 12), 8=-188(LC 12)
Max Grav 14=711(LC 1), 10=1225(LC 1), 8=301(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-477/301, 2-3=-550/339, 3-4=-633/367, 4-6=-609/312, 6-7=-37/259, 1-14=-680/297
BOT CHORD 13-14=-255/426, 12-13=-87/588, 11-12=0/536, 10-11=-240/250
WEBS 2-13=-366/280, 3-12=-90/286, 4-11=-375/170, 6-11=-168/765, 6-10=-903/411, 7-10=-280/187, 1-13=-212/537

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=29ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-9-0, Exterior(2R) 8-9-0 to 11-9-0, Interior(1) 11-9-0 to 30-6-12 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=273, 10=421, 8=188.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 5,2022

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

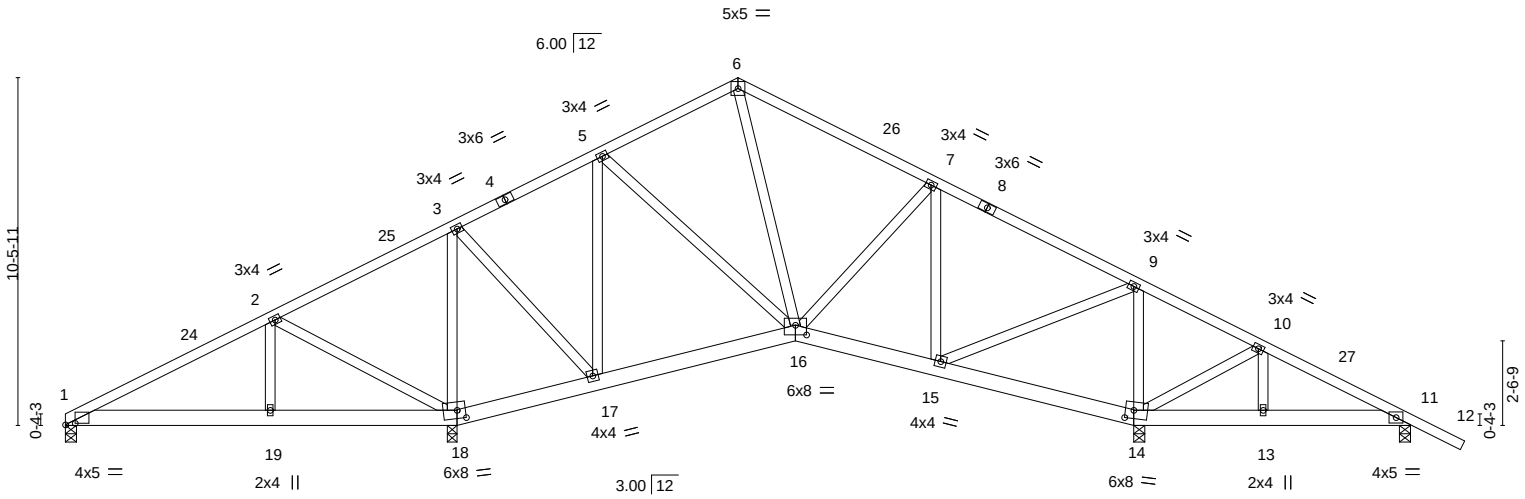
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T5	Roof Special Girder	1	2	T27623221

Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:29 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-DunAmri5PgBRcSbp8YquWpZ5zfrVcgh7vCxeyvzJwk8

6-2-0	11-9-8	16-0-4	20-3-0	26-2-8	32-2-0	36-0-12	40-6-0	42-0-0
6-2-0	5-7-8	4-2-12	4-2-12	5-11-8	5-11-8	3-10-12	4-5-4	1-6-0

Scale = 1:69.4



6-2-0	11-6-0	11-9-8	16-0-4	21-11-12	26-2-8	32-2-0	32-4-0	36-0-12	40-6-0
6-2-0	5-4-0	0-3-8	4-2-12	5-11-8	4-2-12	5-11-8	0-2-0	3-8-12	4-5-4

Plate Offsets (X,Y)-- [1:0-3-8,0-0-9], [14:0-3-0,0-3-0], [16:0-4-0,0-3-8], [18:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.01	19-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.06	19-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 538 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

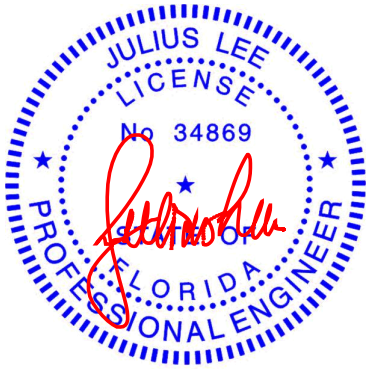
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 0-4-0 except (jt=length) 18=0-3-8.
(lb) - Max Horz 1=-339(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 14=-483(LC 12), 11=-188(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 1=991(LC 21), 18=2023(LC 1), 14=1085(LC 1), 11=278(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1042/127, 2-3=-41/777, 3-5=-187/405, 5-6=-332/371, 6-7=-364/399, 7-9=-377/328, 9-10=-51/328
BOT CHORD 1-19=0/834, 18-19=0/834, 17-18=-672/333, 16-17=-326/234, 15-16=-1/293, 14-15=-305/264
WEBS 2-19=0/436, 2-18=-1437/302, 3-18=-1153/396, 3-17=-146/791, 5-17=-603/206, 5-16=0/372, 7-15=-260/194, 9-15=-194/594, 9-14=-764/416, 10-14=-337/155

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; 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 4-0-10, Interior(1) 4-0-10 to 20-3-0, Exterior(2R) 20-3-0 to 24-3-10, Interior(1) 24-3-10 to 42-0-12 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
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 483 lb uplift at joint 14 and 188 lb uplift at joint 11.
8) Load case(s) 1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard



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Date:
May 5,2022

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 6-25=-54, 6-12=-54, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-254-to-25=-104
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 6-25=-44, 6-12=-44, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-244-to-25=-94
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 6-25=-14, 6-12=-14, 1-18=-40, 16-18=-40, 14-16=-40, 11-14=-40
   Trapezoidal Loads (plf)
   Vert: 1=-214-to-25=-64
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=13, 6-11=25, 11-12=16, 1-18=-12, 16-18=-12, 14-16=-12, 11-14=-12
   Horz: 1-6=-21, 6-11=33, 11-12=25
   Trapezoidal Loads (plf)
   Vert: 1=-187-to-25=-37
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=25, 6-11=13, 11-12=37, 1-18=-12, 16-18=-12, 14-16=-12, 11-14=-12
   Horz: 1-6=-33, 6-11=21, 11-12=46
   Trapezoidal Loads (plf)
   Vert: 1=-175-to-25=-25
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=-30, 6-11=2, 11-12=11, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Horz: 1-6=16, 6-11=16, 11-12=25
   Trapezoidal Loads (plf)
   Vert: 1=-230-to-25=-80
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=2, 6-11=-30, 11-12=-21, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Horz: 1-6=-16, 6-11=-16, 11-12=-7
   Trapezoidal Loads (plf)
   Vert: 1=-198-to-25=-48
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=39, 6-11=39, 11-12=63, 1-18=-12, 16-18=-12, 14-16=-12, 11-14=-12
   Horz: 1-6=-48, 6-11=48, 11-12=72
   Trapezoidal Loads (plf)
   Vert: 1=-161-to-25=-11
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=22, 6-11=22, 11-12=46, 1-18=-12, 16-18=-12, 14-16=-12, 11-14=-12
   Horz: 1-6=-30, 6-11=30, 11-12=54
   Trapezoidal Loads (plf)
   Vert: 1=-178-to-25=-28
14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=-15, 6-11=-15, 11-12=-7, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Horz: 1-6=1, 6-11=-1, 11-12=7
   Trapezoidal Loads (plf)
   Vert: 1=-215-to-25=-65
15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=-15, 6-11=-15, 11-12=-7, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Horz: 1-6=1, 6-11=-1, 11-12=7
   Trapezoidal Loads (plf)
   Vert: 1=-215-to-25=-65
16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
   Vert: 6-25=-14, 6-12=-14, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Trapezoidal Loads (plf)
   Vert: 1=-214-to-25=-64
17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 6-25=-56, 6-11=-32, 11-12=-25, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
   Horz: 1-6=12, 6-11=12, 11-12=19
   Trapezoidal Loads (plf)
   Vert: 1=-256-to-25=-106
18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

LOAD CASE(S) Standard

Uniform Loads (plf)
Vert: 6-25=-32, 6-11=-56, 11-12=-49, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Horz: 1-6=-12, 6-11=-12, 11-12=-5
Trapezoidal Loads (plf)
Vert: 1=-232-to-25=-82

19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-25=-45, 6-11=-45, 11-12=-38, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Horz: 1-6=1, 6-11=-1, 11-12=6
Trapezoidal Loads (plf)
Vert: 1=-245-to-25=-95

20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 6-25=-45, 6-11=-45, 11-12=-38, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Horz: 1-6=1, 6-11=-1, 11-12=6
Trapezoidal Loads (plf)
Vert: 1=-245-to-25=-95

21) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 6-25=-54, 6-12=-14, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Trapezoidal Loads (plf)
Vert: 1=-254-to-25=-104

22) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 6-25=-14, 6-12=-54, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Trapezoidal Loads (plf)
Vert: 1=-214-to-25=-64

23) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 6-25=-44, 6-12=-14, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Trapezoidal Loads (plf)
Vert: 1=-244-to-25=-94

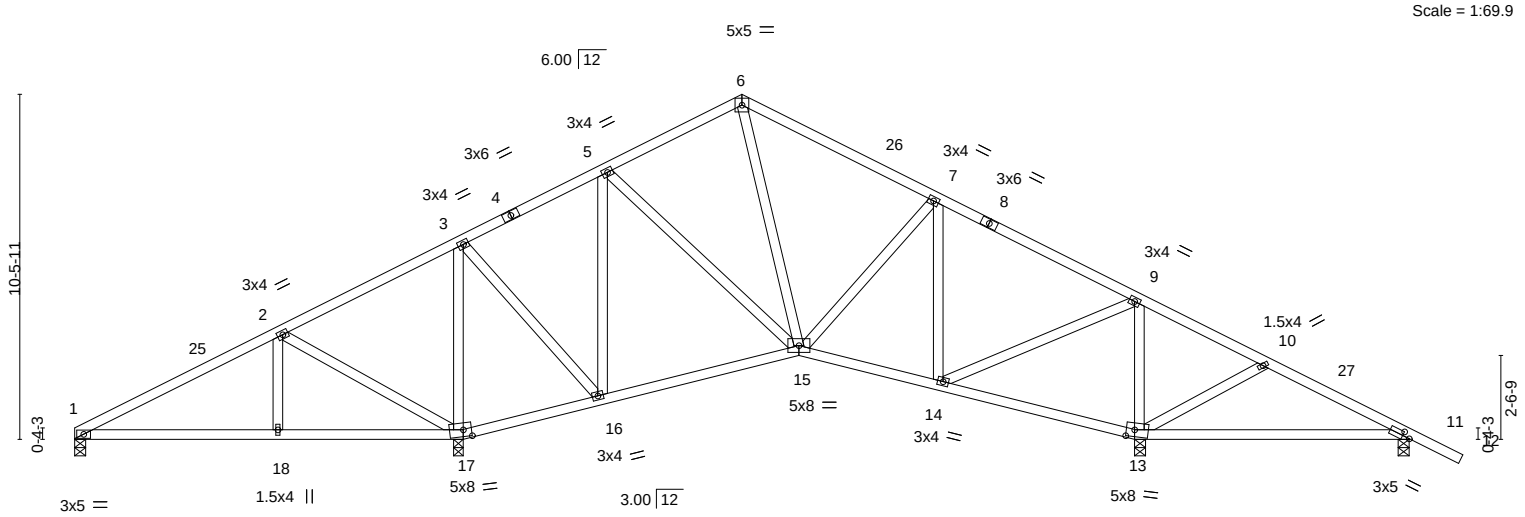
24) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 6-25=-14, 6-12=-44, 1-18=-20, 16-18=-20, 14-16=-20, 11-14=-20
Trapezoidal Loads (plf)
Vert: 1=-214-to-25=-64

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T6	Roof Special	3	1	T27623222
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:30 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-i4LYzBijA_JIEcA?iFL7216IV2BJL1tH8sgCUMzJwk7

6-2-0	11-9-8	16-0-4	20-3-0	26-2-8	32-2-0	36-0-12	40-6-0	42-0-0
6-2-0	5-7-8	4-2-12	4-2-12	5-11-8	5-11-8	3-10-12	4-5-4	1-6-0

Scale = 1:69.9



6-2-0	11-6-0	11-9-8	16-0-4	21-11-12	26-2-8	32-2-0	32-4-0	40-6-0
6-2-0	5-4-0	0-3-8	4-2-12	5-11-8	4-2-12	5-11-8	0-2-0	8-2-0

Plate Offsets (X,Y)-- [11:0-2-10,0-1-8], [13:0-3-0,0-2-8], [17:0-3-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.10	13-24	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.20	13-24	>495	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 233 lb	FT = 20%

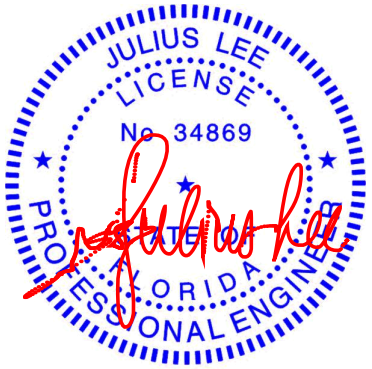
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

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

REACTIONS. All bearings 0-4-0 except (jt=length) 17=0-3-8.
(lb) - Max Horz 1=-339(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-124(LC 12), 17=-479(LC 12), 13=-408(LC 12), 11=-188(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 1=324(LC 21), 17=1357(LC 1), 13=1144(LC 1), 11=301(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-352/167, 2-3=-47/420, 3-5=-264/245, 5-6=-435/335, 6-7=-491/329, 7-9=-509/283, 9-10=-41/262
BOT CHORD 1-18=-133/376, 17-18=-133/376, 16-17=-328/288, 15-16=-92/286, 14-15=0/415, 13-14=-244/254
WEBS 2-18=0/272, 2-17=-581/305, 3-17=-948/376, 3-16=-133/651, 5-16=-475/192, 7-14=-314/170, 9-14=-165/668, 9-13=-822/388, 10-13=-290/184

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 4-0-10, Interior(1) 4-0-10 to 20-3-0, Exterior(2R) 20-3-0 to 24-3-10, Interior(1) 24-3-10 to 42-0-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 1, 479 lb uplift at joint 17, 408 lb uplift at joint 13 and 188 lb uplift at joint 11.



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6904 Parke East Blvd. Tampa FL 33610
Date:

May 5,2022

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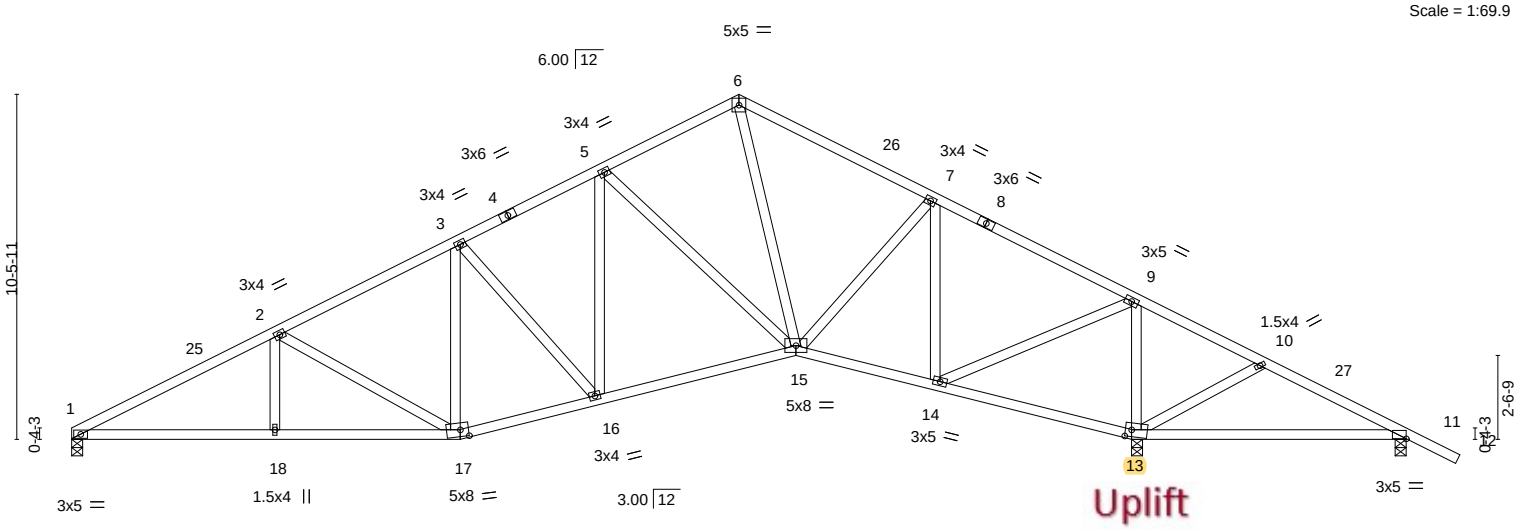
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T7	Roof Special	3	1	T27623223
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:31 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-AHvwBXjLxIR9rllBFzsMbEeRaSVw4SeQNWQl0ozJwk6

6-2-0	11-9-8	16-0-4	20-3-0	26-2-8	32-2-0	36-0-12	40-6-0	42-0-0
6-2-0	5-7-8	4-2-12	4-2-12	5-11-8	5-11-8	3-10-12	4-5-4	1-6-0

Scale = 1:69.9



6-2-0	11-9-8	16-0-4	21-11-12	26-2-8	32-2-0	32-4-0	40-6-0
6-2-0	5-7-8	4-2-12	5-11-8	4-2-12	5-11-8	0-2-0	8-2-0

Plate Offsets (X,Y)-- [13:0-2-4,0-2-8], [17:0-3-0,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.10	13-24	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.20	13-24	>500	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 233 lb	FT = 20%

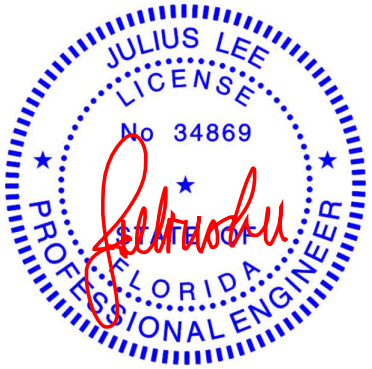
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 13=0-4-0, 11=0-4-0
Max Horz 1=-339(LC 10)
Max Uplift 1=-401(LC 12), 13=-709(LC 12), 11=-166(LC 10)
Max Grav 1=1086(LC 1), 13=1996(LC 1), 11=137(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2036/848, 2-3=-1541/725, 3-5=-1341/678, 5-6=-891/516, 6-7=-1063/551, 7-9=-714/363, 9-10=-286/884, 10-11=-192/667
BOT CHORD 1-18=-611/1890, 17-18=-611/1890, 16-17=-369/1460, 15-16=-224/1281, 14-15=-16/604, 13-14=-841/486, 11-13=-515/290
WEBS 2-18=0/263, 2-17=-555/295, 3-16=-274/234, 5-16=-143/385, 5-15=-582/384, 6-15=-239/575, 7-15=-23/541, 7-14=-837/377, 9-14=-494/1501, 9-13=-1522/664, 10-13=-298/188

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 4-0-10, Interior(1) 4-0-10 to 20-3-0, Exterior(2R) 20-3-0 to 24-3-10, Interior(1) 24-3-10 to 42-0-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 401 lb uplift at joint 1, 709 lb uplift at joint 13 and 166 lb uplift at joint 11.



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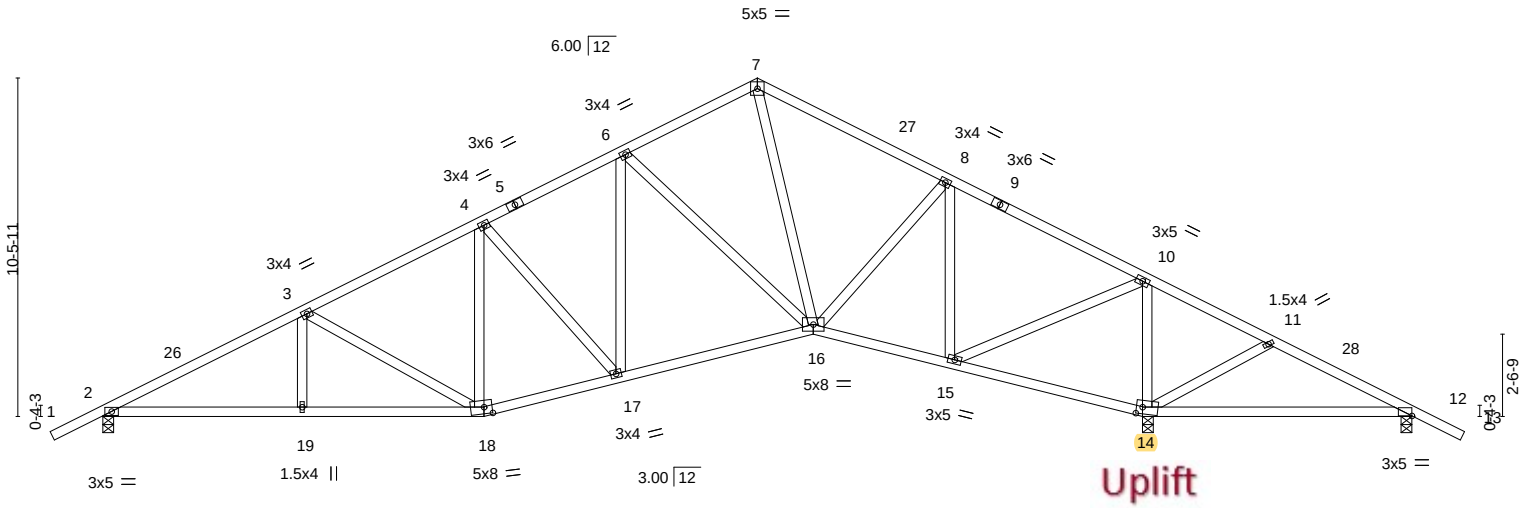
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T8	Roof Special	3	1	T27623224
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:32 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-eTTIOtk_ibZ?TvKOpgNb8SBcKsstpvyabA9IYEzJwk5

-1-6-0	6-2-0	11-9-8	16-0-4	20-3-0	26-2-8	32-2-0	36-0-12	40-6-0	42-0-0
1-6-0	6-2-0	5-7-8	4-2-12	4-2-12	5-11-8	5-11-8	3-10-12	4-5-4	1-6-0

Scale = 1:71.3



6-2-0	11-9-8	16-0-4	21-11-12	26-2-8	32-2-0	32-4-0	40-6-0
6-2-0	5-7-8	4-2-12	5-11-8	4-2-12	5-11-8	0-2-0	8-2-0

Plate Offsets (X,Y)-- [14:0-2-4,0-2-8], [18:0-3-0,0-2-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.10	14-25	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.20	14-25	>500	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 236 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 4-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 14=0-4-0, 12=0-4-0
Max Horz 2=-344(LC 10)
Max Uplift 2=-504(LC 12), 14=-703(LC 12), 12=-166(LC 10)
Max Grav 2=1173(LC 1), 14=1992(LC 1), 12=137(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2014/789, 3-4=-1534/703, 4-6=-1337/666, 6-7=-890/511, 7-8=-1061/550, 8-10=-714/362, 10-11=-276/881, 11-12=-182/664
BOT CHORD 2-19=-574/1869, 18-19=-574/1869, 17-18=-364/1455, 16-17=-221/1277, 15-16=-15/603, 14-15=-838/484, 12-14=-512/288
WEBS 3-19=0/260, 3-18=-538/257, 4-17=-272/231, 6-17=-139/384, 6-16=-579/381, 7-16=-238/573, 8-16=-21/539, 8-15=-835/370, 10-15=-483/1497, 10-14=-1519/655, 11-14=-298/188

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) -1-6-13 to 2-5-13, Interior(1) 2-5-13 to 20-3-0, Exterior(2R) 20-3-0 to 24-3-10, Interior(1) 24-3-10 to 42-0-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 504 lb uplift at joint 2, 703 lb uplift at joint 14 and 166 lb uplift at joint 12.

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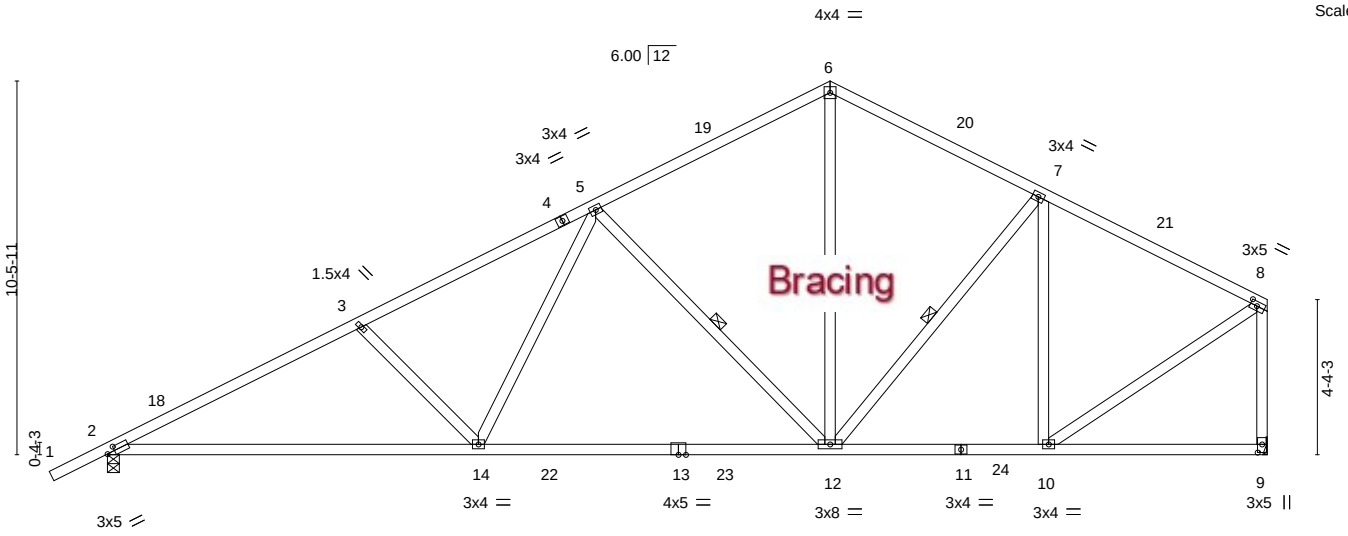
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T9	Common	1	1	T27623225
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:33 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-6f1gcDlcTvhs53vaNOuqgfkm5G6?YPjjqqvs5gzJwk4

-1-6-0	7-1-5	13-8-3	20-3-0	26-2-12	32-6-0
1-6-0	7-1-5	6-6-13	6-6-13	5-11-12	6-3-4

Scale: 3/16"=1'



10-4-12	20-3-0	26-2-12	32-6-0
10-4-12	9-10-4	5-11-12	6-3-4

Plate Offsets (X,Y)-- [2:0-2-10,0-1-8], [8:0-2-4,0-1-8], [9:0-2-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.30	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.88	Vert(CT)	-0.48	12-14	>806	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.06	9	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 191 lb	FT = 20%

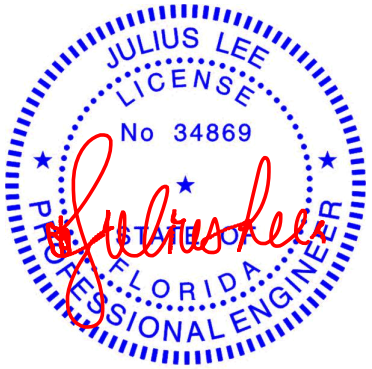
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
2-13: 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-10 oc bracing.
WEBS 1 Row at midpt 5-12, 7-12

REACTIONS. (size) 2=0-4-0, 9=Mechanical
Max Horz 2=436(LC 11)
Max Uplift 2=-539(LC 12), 9=-439(LC 12)
Max Grav 2=1482(LC 17), 9=1356(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2478/878, 3-5=-2244/811, 5-6=-1237/631, 6-7=-1247/613, 7-8=-1151/506, 8-9=-1256/556
BOT CHORD 2-14=-963/2385, 12-14=-698/1762, 10-12=-425/1029
WEBS 3-14=-403/311, 5-14=-116/800, 5-12=-882/435, 6-12=-283/792, 7-10=-450/315, 8-10=-430/1173

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=33ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-13 to 1-8-3, Interior(1) 1-8-3 to 20-3-0, Exterior(2R) 20-3-0 to 23-6-0, Interior(1) 23-6-0 to 32-4-4 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 439 lb uplift at joint 9.



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May 5,2022

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T10	Common	2	1	T27623226
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:04 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-S4njWIOQI?1_6cB?Aot0?Y1q6aIRGJ6S9pNpZszJwkX

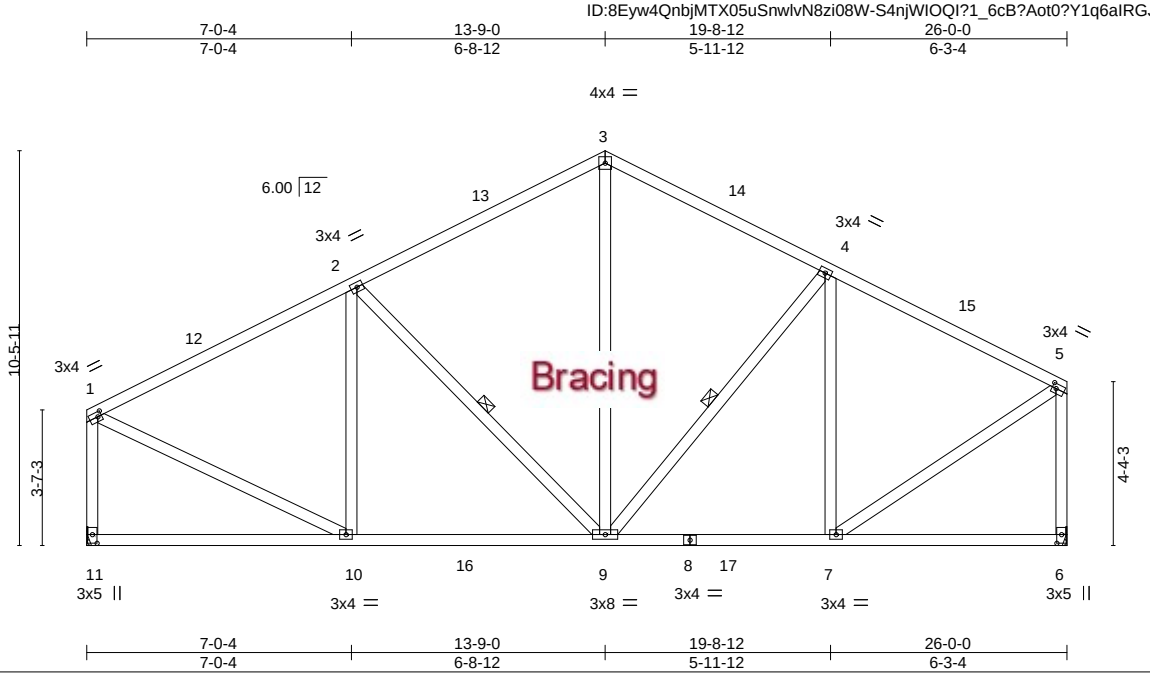


Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [5:0-1-4,0-1-8], [6:0-2-12,0-1-8], [11:0-2-12,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.06	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.11	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 176 lb	FT = 20%

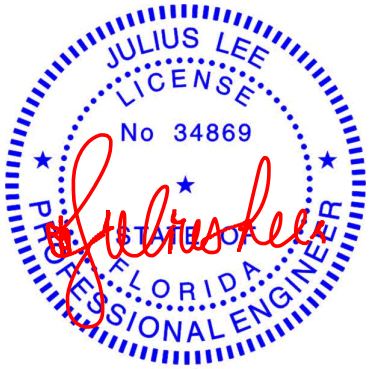
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-11-13 oc bracing: 9-10.
WEBS 1 Row at midpt 2-9, 4-9

REACTIONS. (size) 11=Mechanical, 6=Mechanical
Max Horz 11=390(LC 11)
Max Uplift 11=-348(LC 12), 6=-350(LC 12)
Max Grav 11=1068(LC 19), 6=1074(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1029/451, 2-3=-854/525, 3-4=-842/515, 4-5=-898/436, 1-11=-964/486, 5-6=-979/492
BOT CHORD 10-11=-362/315, 9-10=-485/1025, 7-9=-375/793
WEBS 2-10=-207/254, 2-9=-333/238, 3-9=-185/452, 4-7=-300/290, 1-10=-361/930, 5-7=-366/891

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 13-9-0, Exterior(2R) 13-9-0 to 16-9-0, Interior(1) 16-9-0 to 25-10-4 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=348, 6=350.



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Date:

May 5,2022

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T11	Hip	1	1	T27623227
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:05 2022 Page 1
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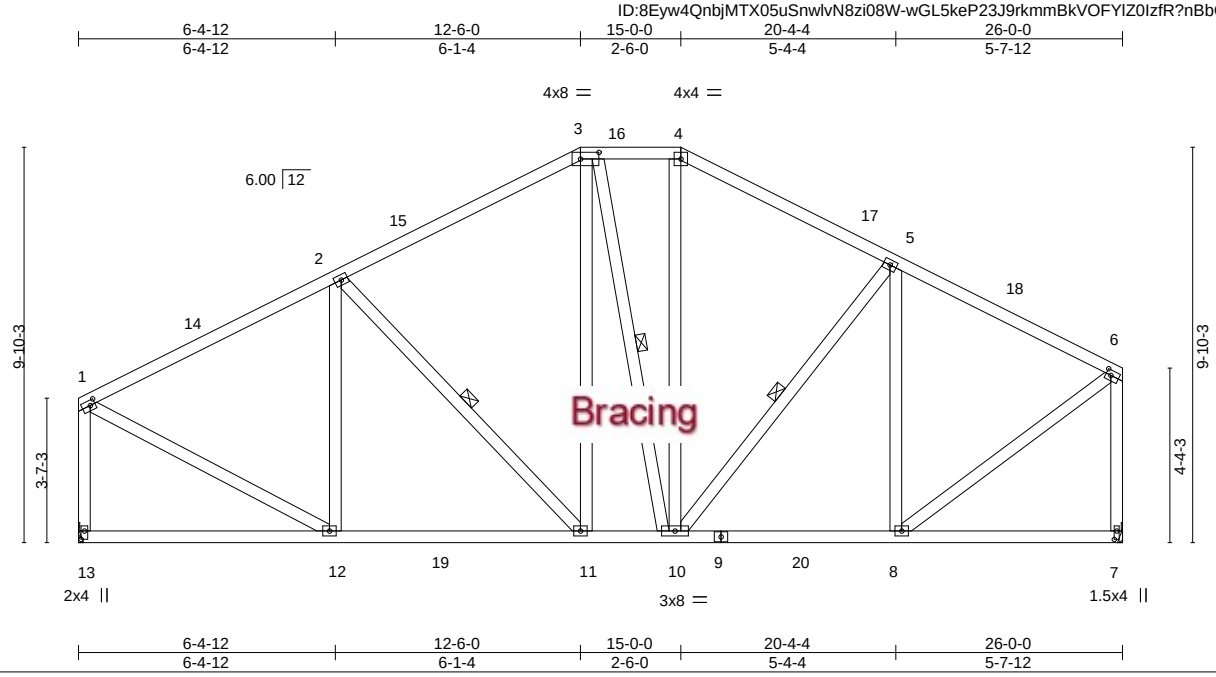


Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [3:0-5-8,0-2-0], [6:0-1-8,0-1-8], [7:0-2-8,0-0-12], [13:0-2-8,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.06	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.10	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 198 lb	FT = 20%

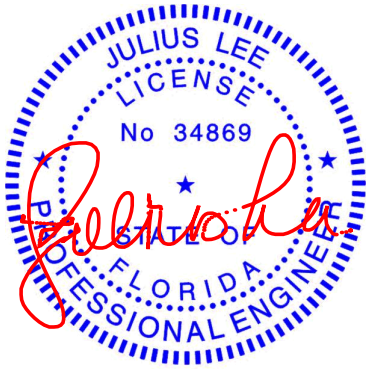
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-11 oc bracing.
WEBS 1 Row at midpt 2-11, 3-10, 5-10

REACTIONS. (size) 13=Mechanical, 7=Mechanical
Max Horz 13=374(LC 11)
Max Uplift 13=-348(LC 12), 7=-350(LC 12)
Max Grav 13=1068(LC 17), 7=1068(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1008/414, 2-3=-876/488, 3-4=-710/492, 4-5=-849/485, 5-6=-869/399, 1-13=-977/449, 6-7=-985/455
BOT CHORD 12-13=-347/295, 11-12=-454/999, 10-11=-329/832, 8-10=-341/760
WEBS 3-11=-77/326, 5-8=-340/287, 1-12=-334/928, 6-8=-340/889

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-6-0, Exterior(2E) 12-6-0 to 15-0-0, Exterior(2R) 15-0-0 to 19-2-15, Interior(1) 19-2-15 to 25-10-4 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) All plates are 3x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=348, 7=350.



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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T12	Hip	1	1	T27623228
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:06 2022 Page 1
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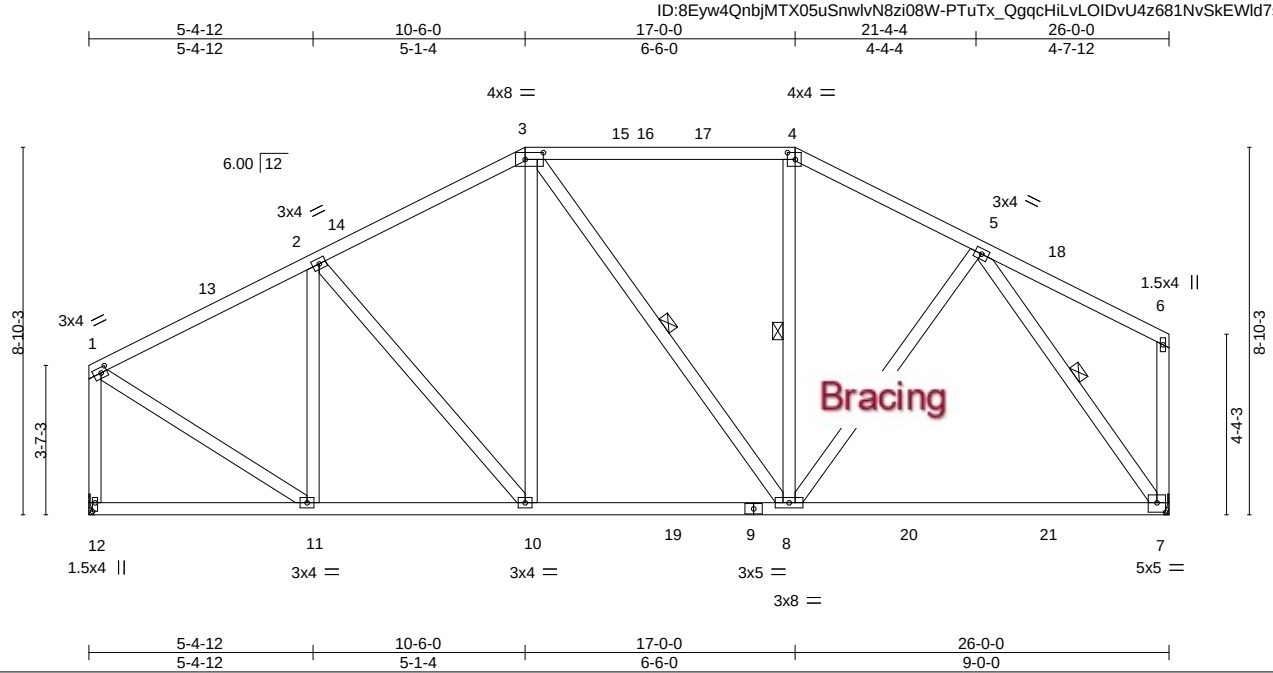


Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [3:0-5-4,0-2-0], [4:0-2-4,0-2-0], [7:0-2-8,0-2-12], [12:0-2-8,0-0-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.25	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.41	7-8	>744	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 182 lb	FT = 20%

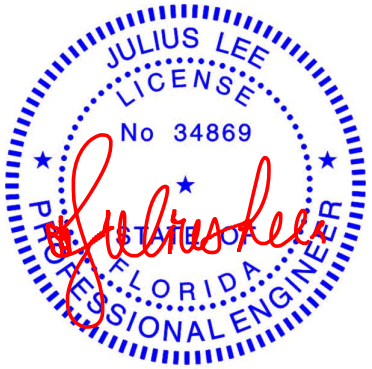
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

REACTIONS. (size) 12=Mechanical, 7=Mechanical
Max Horz 12=346(LC 11)
Max Uplift 12=-348(LC 12), 7=-350(LC 12)
Max Grav 12=1075(LC 17), 7=1096(LC 19)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-3-15 oc bracing.
WEBS 1 Row at midpt 3-8, 4-8, 5-7

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-956/404, 2-3=-960/492, 3-4=-804/483, 4-5=-931/479, 1-12=-996/450
BOT CHORD 11-12=-321/262, 10-11=-455/939, 8-10=-384/913, 7-8=-337/653
WEBS 2-11=-319/261, 5-8=-38/367, 1-11=-343/914, 5-7=-1022/490

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-6-0, Exterior(2R) 10-6-0 to 14-8-15, Interior(1) 14-8-15 to 17-0-0, Exterior(2R) 17-0-0 to 21-5-5, Interior(1) 21-5-5 to 25-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=348, 7=350.



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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T13	Hip	1	1	T27623229
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:07 2022 Page 1
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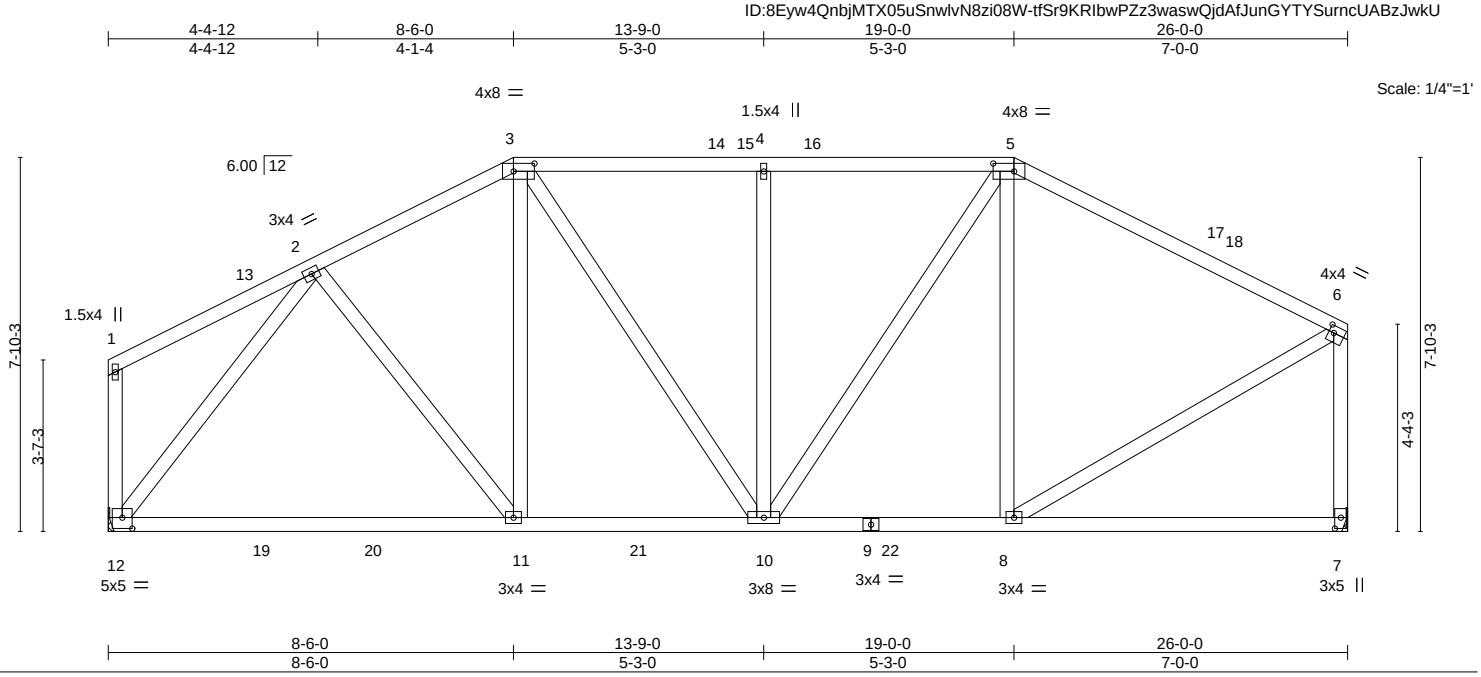

Plate Offsets (X,Y)-- [3:0-5-4,0-2-0], [5:0-5-4,0-2-0], [6:0-1-4,0-1-12], [7:0-2-12,0-1-8], [12:0-2-8,0-2-12]

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	0.58	Vert(LL)	-0.18	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.32	11-12	>974	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.94	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MS							Weight: 180 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 5-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-3 oc bracing.

REACTIONS. (size) 12=Mechanical, 7=Mechanical
Max Horz 12=318(LC 11)
Max Uplift 12=-348(LC 12), 7=-350(LC 12)
Max Grav 12=1108(LC 17), 7=1075(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1031/466, 3-4=-941/517, 4-5=-941/517, 5-6=-945/420, 6-7=-966/471
BOT CHORD 11-12=-456/826, 10-11=-402/970, 8-10=-343/807
WEBS 2-11=-35/347, 4-10=-323/249, 5-10=-166/387, 2-12=-1066/487, 6-8=-310/877

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-6-0, Exterior(2R) 8-6-0 to 12-8-15, Interior(1) 12-8-15 to 19-0-0, Exterior(2R) 19-0-0 to 23-2-15, Interior(1) 23-2-15 to 25-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=348, 7=350.

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T14	Hip	1	1	T27623230
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:08 2022 Page 1
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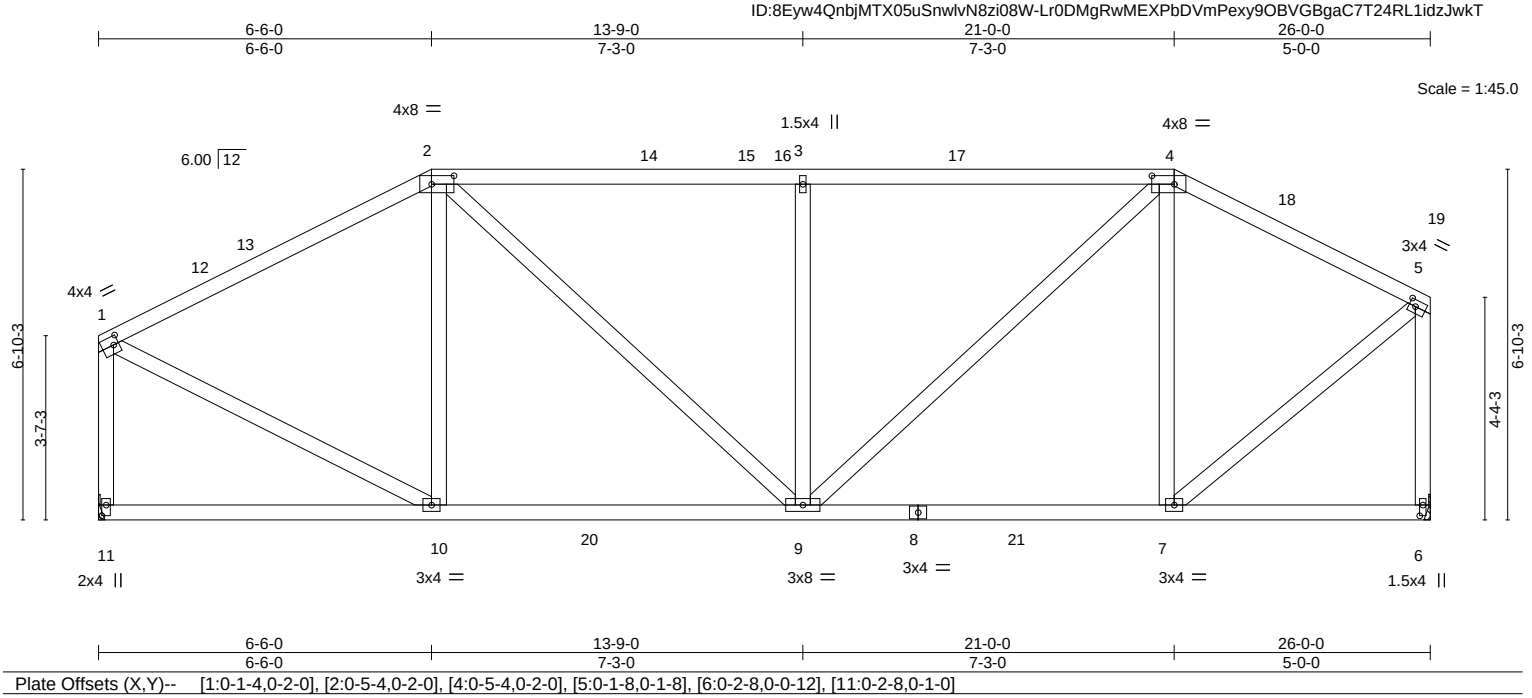


Plate Offsets (X,Y)-- [1:0-1-4,0-2-0], [2:0-5-4,0-2-0], [4:0-5-4,0-2-0], [5:0-1-8,0-1-8], [6:0-2-8,0-0-12], [11:0-2-8,0-1-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.07	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.13	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 165 lb	FT = 20%

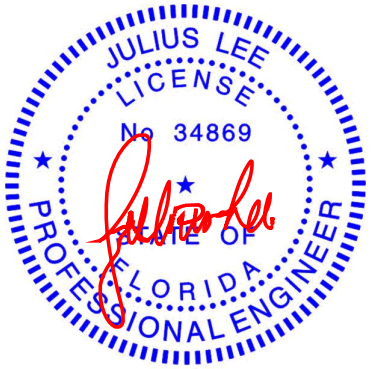
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-13 oc bracing.

REACTIONS. (size) 11=Mechanical, 6=Mechanical
Max Horz 11=290(LC 11)
Max Uplift 11=-348(LC 12), 6=-350(LC 12)
Max Grav 11=1086(LC 17), 6=1076(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1030/411, 2-3=-1117/541, 3-4=-1117/541, 4-5=-862/385, 1-11=-992/455, 5-6=-1016/455
BOT CHORD 10-11=-267/258, 9-10=-428/943, 7-9=-322/734
WEBS 2-9=-168/437, 3-9=-451/348, 4-9=-249/624, 4-7=-358/300, 1-10=-314/925, 5-7=-337/907

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-6-0, Exterior(2R) 6-6-0 to 10-8-15, Interior(1) 10-8-15 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-15, Interior(1) 25-2-15 to 25-10-4 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) 11=348, 6=350.



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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T15	Flat	1	1	T27623231
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:08 2022 Page 1
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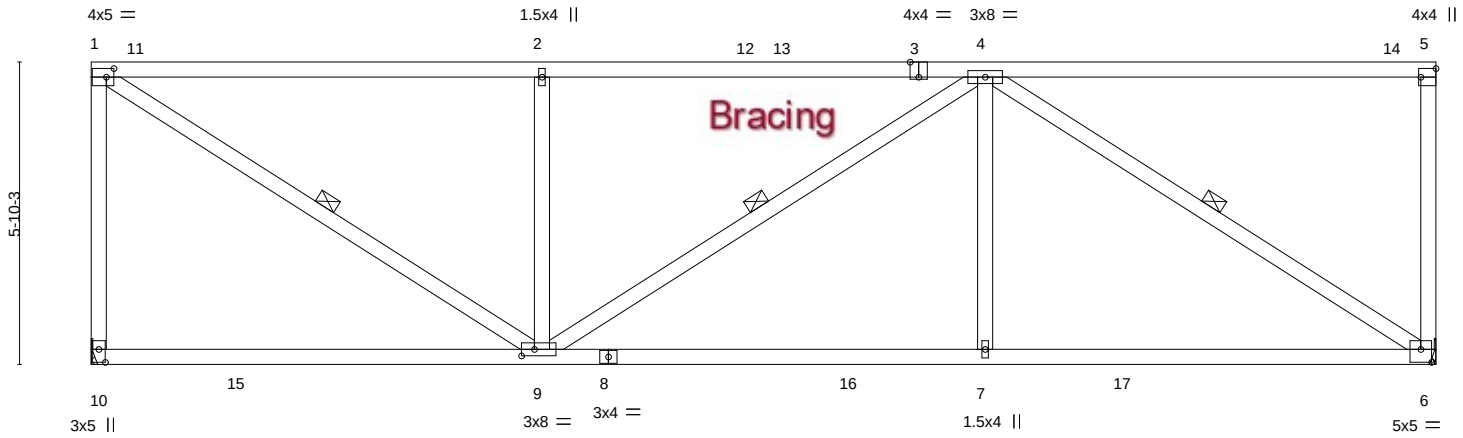
8-8-9 | 17-3-7 | 26-0-0
8-8-9 | 8-6-13 | 8-8-9

Scale = 1:44.5



8-8-9 | 17-3-7 | 26-0-0
8-8-9 | 8-6-13 | 8-8-9

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.17	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.31	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 152 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
3-5: 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-4 oc bracing.
WEBS 1 Row at midpt 1-9, 4-9, 4-6

REACTIONS. (size) 10=Mechanical, 6=Mechanical
Max Horz 10=-297(LC 8)
Max Uplift 10=-475(LC 8), 6=-475(LC 9)
Max Grav 10=1116(LC 18), 6=1107(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-950/1031, 1-2=-1253/1131, 2-4=-1253/1131, 5-6=-201/324
BOT CHORD 9-10=-325/330, 7-9=-1215/1297, 6-7=-1215/1297
WEBS 1-9=-1319/1438, 2-9=-493/791, 4-7=0/462, 4-6=-1478/1321

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=475, 6=475.

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May 5,2022

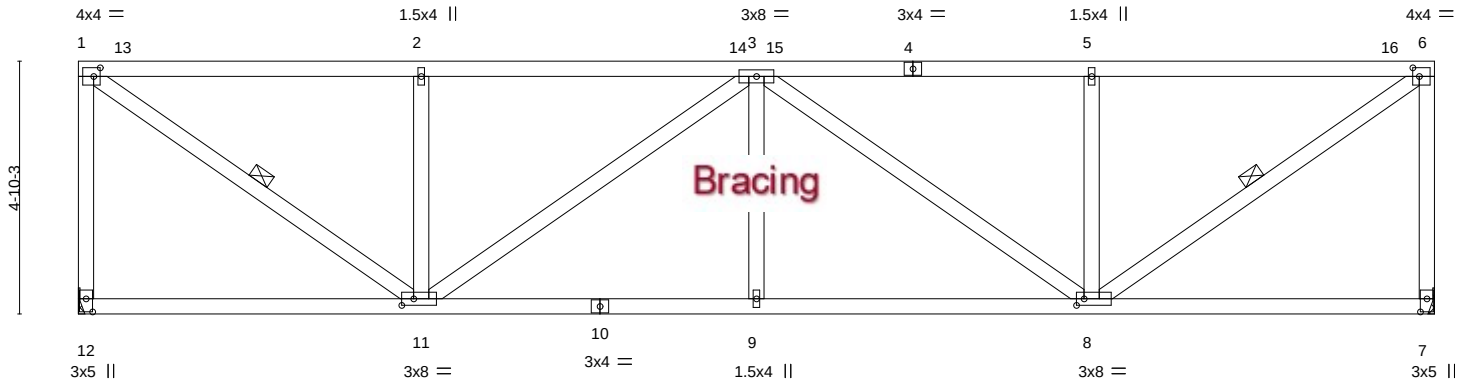
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T16	Flat	1	1	T27623232
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:09 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-p2acZ0SY7XfGCN3zzLTBibke?b?hxZwBJ55aE3zJwkS

6-6-14 | 13-0-0 | 19-5-2 | 26-0-0
6-6-14 | 6-5-2 | 6-5-2 | 6-6-14

Scale = 1:44.2



6-6-14 | 13-0-0 | 19-5-2 | 26-0-0
6-6-14 | 6-5-2 | 6-5-2 | 6-6-14

Plate Offsets (X,Y)-- [1:0-1-8,0-2-0], [6:0-1-8,0-2-0], [7:0-3-0,0-1-8], [8:0-1-12,0-1-8], [11:0-2-12,0-1-8], [12:0-3-0,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.10	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.12	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	-0.03	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 153 lb	FT = 20%

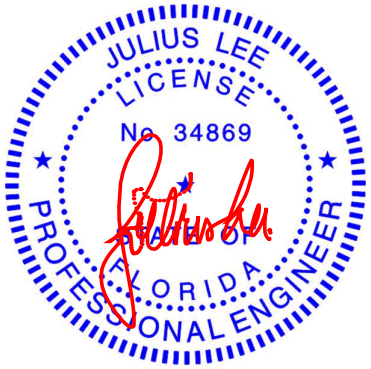
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-7 oc bracing.
WEBS 1 Row at midpt 1-11, 6-8

REACTIONS. (size) 12=Mechanical, 7=Mechanical
Max Horz 12=-244(LC 8)
Max Uplift 12=-465(LC 8), 7=-465(LC 9)
Max Grav 12=951(LC 1), 7=951(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-893/1004, 1-2=-1069/1135, 2-3=-1069/1135, 3-5=-1069/1135, 5-6=-1069/1135, 6-7=-893/1004
BOT CHORD 11-12=-268/272, 9-11=-1540/1391, 8-9=-1540/1391
WEBS 1-11=-1334/1285, 2-11=-378/608, 3-11=-395/450, 3-8=-395/448, 5-8=-378/608, 6-8=-1335/1285

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 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) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=465, 7=465.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:

May 5,2022

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T17	Flat Girder	1	1	T27623233
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:11 2022 Page 1
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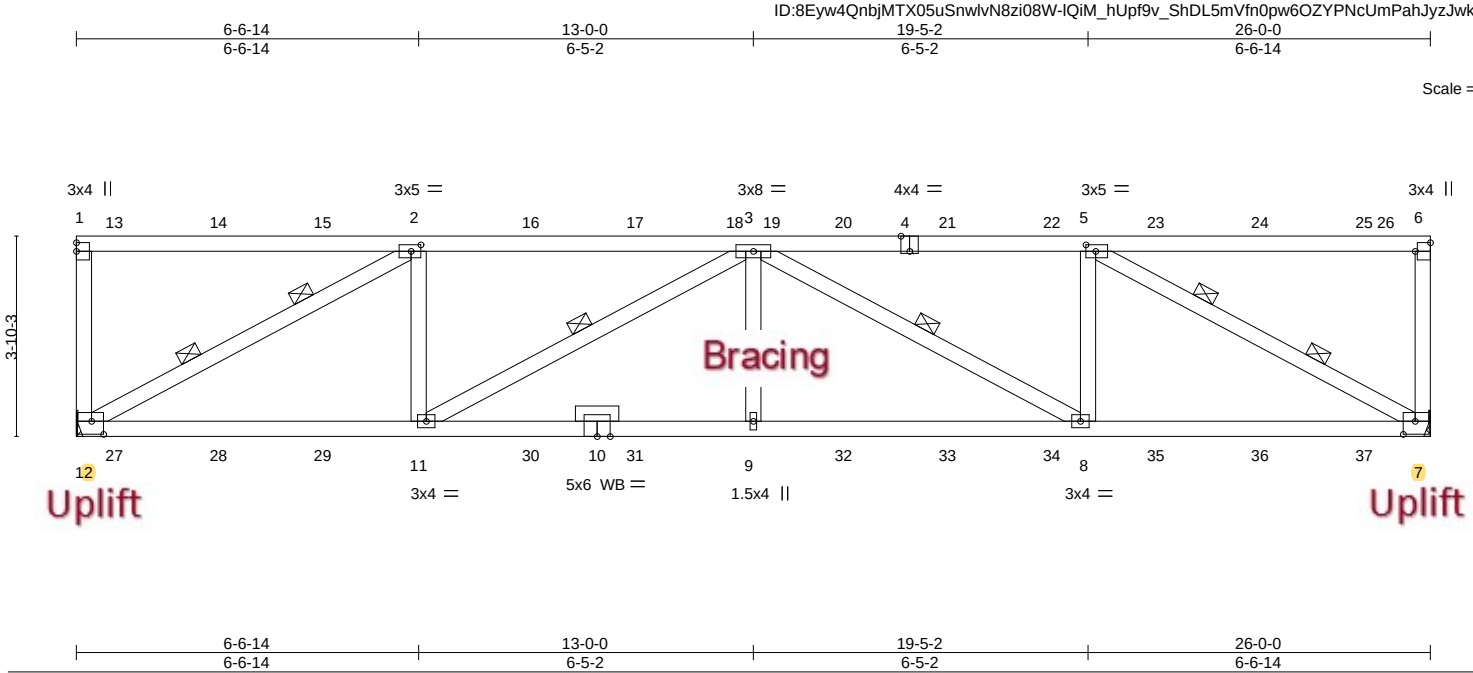


Plate Offsets (X,Y)-- [2:0-2-4,0-1-8], [4:0-2-0,Edge], [5:0-2-4,0-1-8], [6:Edge,0-3-8], [7:0-2-12,0-3-0], [12:0-2-12,0-3-0]

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	0.95	Vert(LL)	0.24	9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.38	8-9	>819	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.13	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 144 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

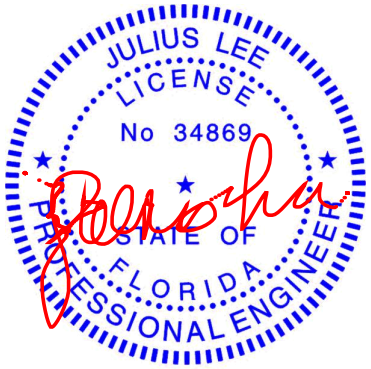
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-10-15 oc bracing.
WEBS 1 Row at midpt 3-11, 3-8
2 Rows at 1/3 pts 2-12, 5-7

REACTIONS. (size) 12=Mechanical, 7=Mechanical
Max Horz 12=190(LC 5)
Max Uplift 12=-877(LC 4), 7=-854(LC 5)
Max Grav 12=2116(LC 1), 7=2053(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-339/283, 2-3=-2970/1217, 3-5=-2971/1214, 6-7=-297/253
BOT CHORD 11-12=-1238/2970, 9-11=-1600/3860, 8-9=-1600/3860, 7-8=-1269/2971
WEBS 2-12=-3318/1374, 2-11=-14/941, 3-11=-1017/413, 3-9=0/506, 3-8=-1015/417, 5-8=-15/945, 5-7=-3321/1369

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; 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) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=877, 7=854.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 136 lb down and 148 lb up at 0-8-12, 143 lb down and 152 lb up at 2-8-12, 143 lb down and 152 lb up at 4-8-12, 143 lb down and 152 lb up at 6-8-12, 143 lb down and 152 lb up at 8-8-12, 143 lb down and 152 lb up at 10-8-12, 131 lb down and 152 lb up at 12-8-12, 143 lb down and 152 lb up at 14-8-12, 143 lb down and 152 lb up at 16-8-12, 143 lb down and 152 lb up at 18-8-12, 143 lb down and 152 lb up at 20-8-12, and 143 lb down and 152 lb up at 22-8-12, and 143 lb down and 152 lb up at 24-8-12 on top chord, and 94 lb down at 0-8-12, 85 lb down at 2-8-12, 85 lb down at 4-8-12, 85 lb down at 6-8-12, 85 lb down at 8-8-12, 85 lb down at 10-8-12, 85 lb down at 12-8-12, 85 lb down at 14-8-12, 85 lb down at 16-8-12, 85 lb down at 18-8-12, 85 lb down at 20-8-12, and 85 lb down at 22-8-12, and 85 lb down at 24-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard



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Date: May 5,2022

Continued on page 2

MiTek
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Tampa, FL 36610

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 7-12=-20
   Concentrated Loads (lb)
   Vert: 2=-109(F) 11=-64(F) 9=-64(F) 13=-120(F) 14=-109(F) 15=-109(F) 16=-109(F) 17=-109(F) 18=-109(F) 20=-109(F) 21=-109(F) 22=-109(F) 23=-109(F) 24=-109(F) 25=-109(F) 27=-68(F) 28=-64(F) 29=-64(F) 30=-64(F) 31=-64(F) 32=-64(F) 33=-64(F) 34=-64(F) 35=-64(F) 36=-64(F) 37=-64(F)

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T18	Common Girder	1	2	T27623234

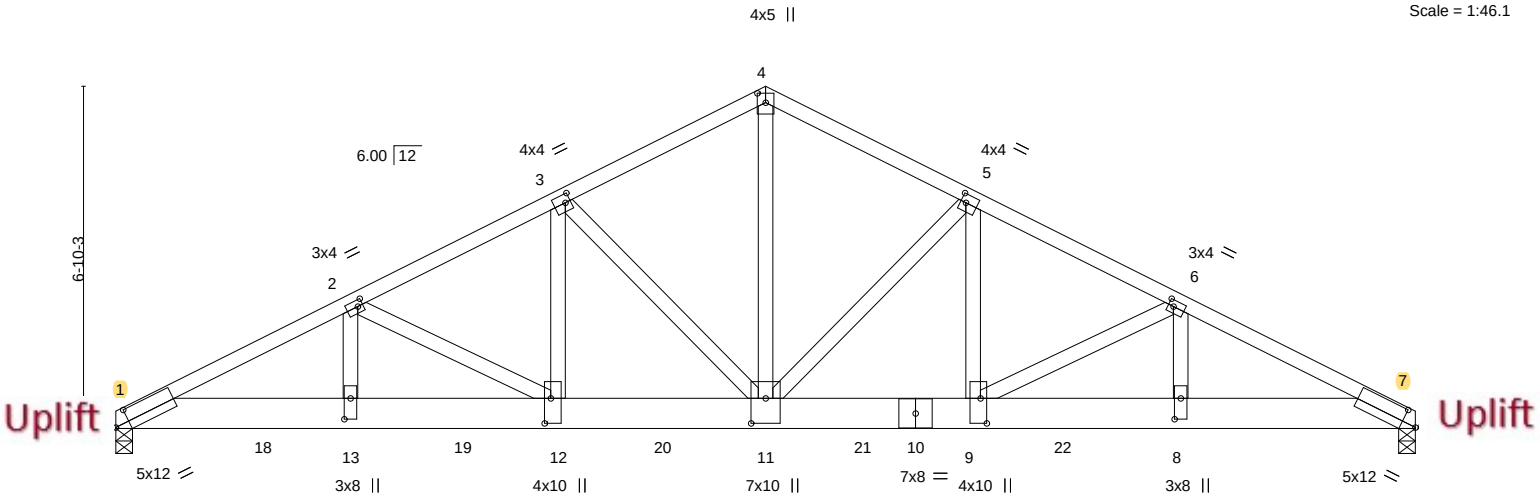
Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:13 2022 Page 1

ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-hpp6PNV3BmAih_NkCBX7sRvHhCGSsJQnEj3oNrzJwkO

4-8-5	8-10-3	13-0-0	17-1-13	21-3-11	26-0-0
4-8-5	4-1-13	4-1-13	4-1-13	4-1-13	4-8-5

Scale = 1:46.1



4-8-5	8-10-3	13-0-0	17-1-13	21-3-11	26-0-0
4-8-5	4-1-13	4-1-13	4-1-13	4-1-13	4-8-5

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	0.24	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.36	11-12	>844	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 357 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 2-9-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-6-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 7=0-4-0
Max Horz 1=-178(LC 6)
Max Uplift 1=-2899(LC 8), 7=-2249(LC 8)
Max Grav 1=7649(LC 2), 7=5316(LC 1)

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

TOP CHORD	1-2=-13655/5284, 2-3=-10812/4322, 3-4=-8124/3431, 4-5=-8125/3431, 5-6=-10466/4523, 6-7=-11544/4911
BOT CHORD	1-13=-4659/12197, 12-13=-4659/12197, 11-12=-3705/9646, 9-11=-3886/9333, 8-9=-4316/10272, 7-8=-4316/10272
WEBS	4-11=-2901/7026, 5-11=-3270/1556, 5-9=-1436/3248, 6-9=-1072/488, 6-8=-273/830, 3-11=-3478/1295, 3-12=-1162/3525, 2-12=-2899/1083, 2-13=-789/2472

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
   Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=26ft; 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
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=2899, 7=2249.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1318 lb down and 456 lb up at 0-11-4, 1039 lb down and 370 lb up at 2-11-4, 1039 lb down and 370 lb up at 4-11-4, 1034 lb down and 370 lb up at 6-11-4, 1061 lb down and 370 lb up at 8-11-4, 1040 lb down and 370 lb up at 10-11-4, 1042 lb down and 370 lb up at 12-11-4, 1050 lb down and 495 lb up at 14-11-4, and 931 lb down and 485 lb up at 16-11-4, and 2033 lb down and 874 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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Date: May 5,2022

Continued on page 2

LOAD CASE(S) Standard

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

LOAD CASE(S) Standard

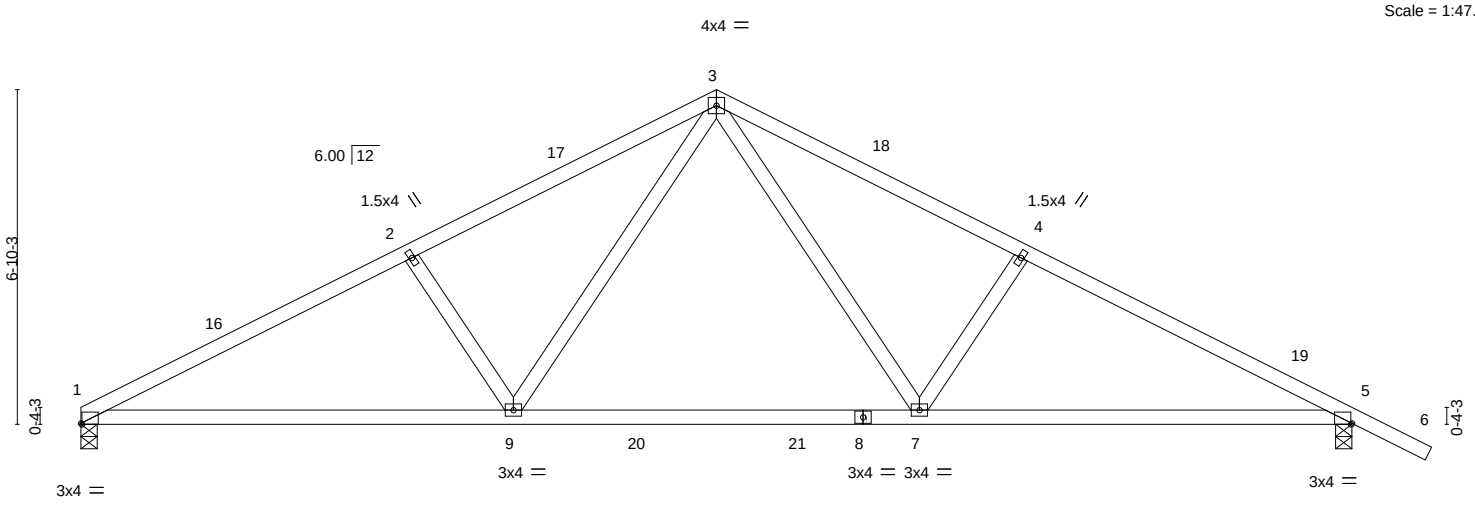
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 1-7=-20
   Concentrated Loads (lb)
   Vert: 11=-931(F) 9=-931(F) 12=-931(F) 13=-931(F) 15=-1177(F) 18=-931(F) 19=-931(F) 20=-931(F) 21=-931(F) 22=-2033(F)

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T19	Common	4	1	T27623235
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:13 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-hpp6PNV3BmAih_NkCBX7sRvNFCIWsQynEj3oNrzJwkO

6-9-4	13-0-0	19-2-12	26-0-0	27-6-0
6-9-4	6-2-12	6-2-12	6-9-4	1-6-0

Scale = 1:47.1



8-10-3	17-1-13	26-0-0
8-10-3	8-3-11	8-10-3

Plate Offsets (X,Y)-- [1:0-0-4,Edge], [5:0-0-4,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	0.46	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.80	Vert(CT)	-0.29	9-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.05	5	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 118 lb	FT = 20%

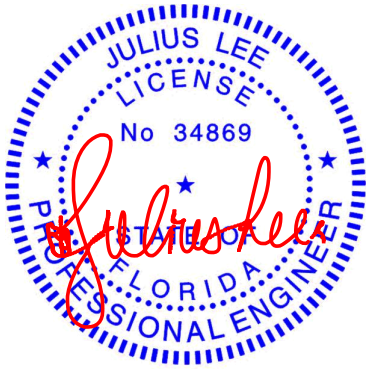
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-1 oc bracing.

REACTIONS. (size) 1=0-4-0, 5=0-4-0
Max Horz 1=-199(LC 10)
Max Uplift 1=-349(LC 12), 5=-456(LC 12)
Max Grav 1=1080(LC 17), 5=1156(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1844/798, 2-3=-1702/785, 3-4=-1695/764, 4-5=-1836/777
BOT CHORD 1-9=-564/1757, 7-9=-247/1122, 5-7=-567/1619
WEBS 3-7=-239/786, 4-7=-378/356, 3-9=-254/798, 2-9=-384/361

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 27-6-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=349, 5=456.



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Date:

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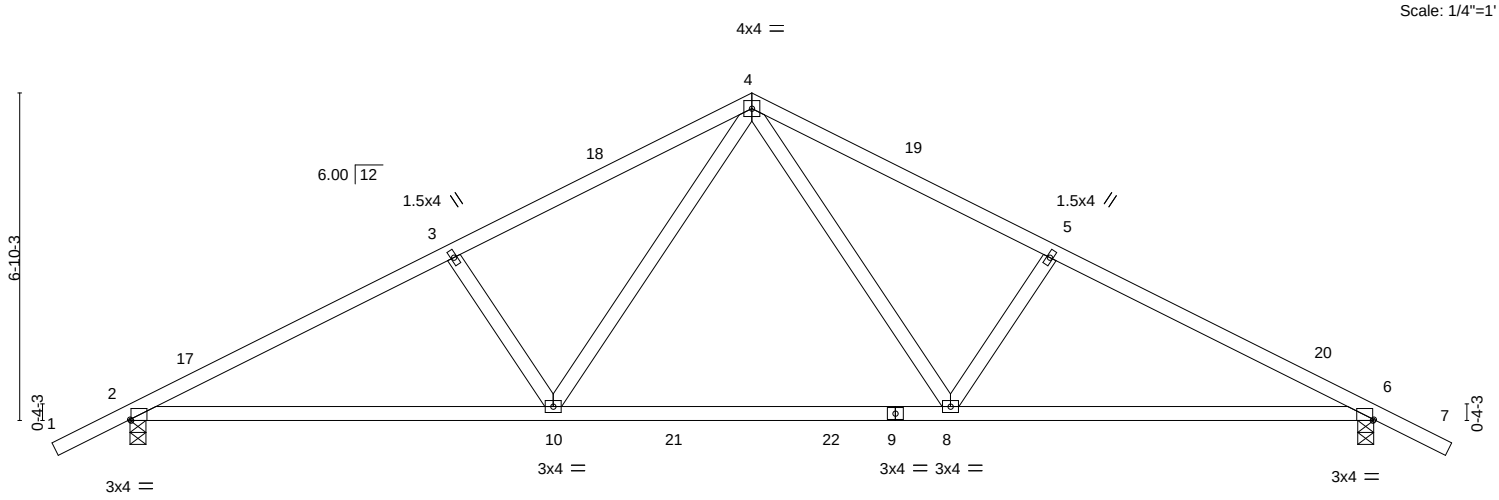
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T20	Common	2	1	T27623236
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:15 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-eCxtq3XJiNQQwIX6KcZbys_k7?_IKKe3h1YvSjzJwkM

-1-6-0 | 6-9-4 | 13-0-0 | 19-2-12 | 26-0-0 | 27-6-0
1-6-0 | 6-9-4 | 6-2-12 | 6-2-12 | 6-9-4 | 1-6-0

Scale: 1/4"=1'



8-10-3 | 17-1-13 | 26-0-0
8-10-3 | 8-3-11 | 8-10-3

Plate Offsets (X,Y)-- [2:0-0-4,Edge], [6:0-0-4,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	0.43	Vert(LL)	-0.15	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.27	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 121 lb	FT = 20%

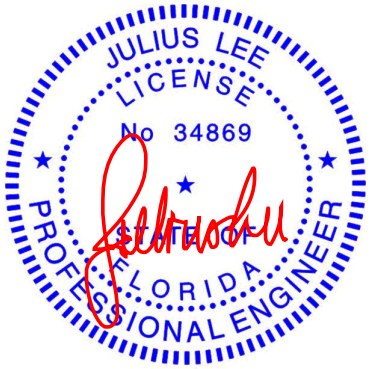
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=-202(LC 10)
Max Uplift 2=-452(LC 12), 6=-452(LC 12)
Max Grav 2=1155(LC 17), 6=1155(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1833/765, 3-4=-1692/751, 4-5=-1692/751, 5-6=-1833/765
BOT CHORD 2-10=-532/1742, 8-10=-235/1118, 6-8=-556/1615
WEBS 4-8=-243/786, 5-8=-377/355, 4-10=-243/786, 3-10=-377/355

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=26ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-13 to 1-5-3, Interior(1) 1-5-3 to 13-0-0, Exterior(2R) 13-0-0 to 16-0-0, Interior(1) 16-0-0 to 27-6-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=452, 6=452.



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Date:

May 5,2022

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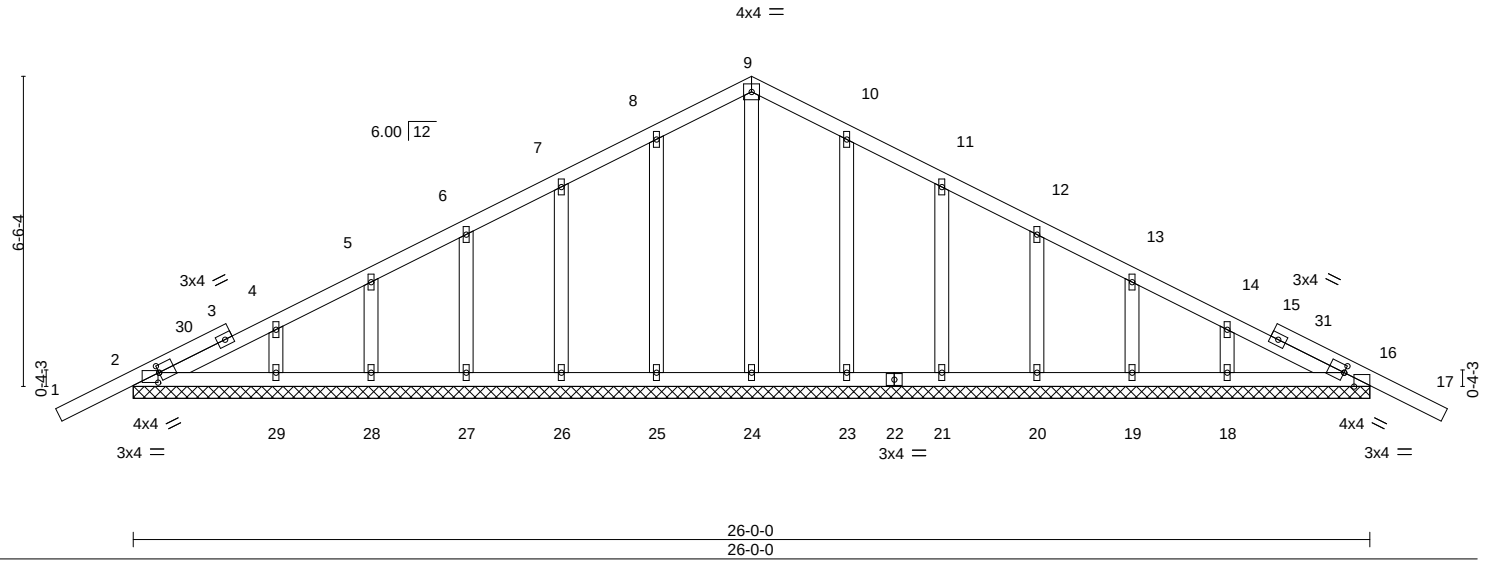
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T21	Common Supported Gable	1	1	T27623237
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:17 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-aa3dFlYZE?g8AchVR1c31H37tprBoHiM9L10XczJwkK

-1-6-0 1-6-0 | 13-0-0 13-0-0 | 26-0-0 13-0-0 | 27-6-0 1-6-0

Scale: 1/4"=1'



26-0-0
26-0-0

Plate Offsets (X,Y)-- [2:0-0-0,0-1-13], [2:0-0-4,0-2-8], [16:0-0-0,0-1-13], [16:0-2-8,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	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	0.12	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-S							Weight: 145 lb	FT = 20%

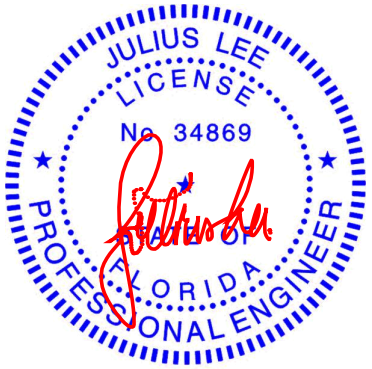
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
OTHERS 2x4 SP No.3

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 26-0-0.
(lb) - Max Horz 2=-193(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 25, 26, 27, 28, 29, 23, 21, 20, 19, 18 except 2=-152(LC 12), 16=-152(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 24, 25, 26, 27, 28, 29, 23, 21, 20, 19, 18

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-106/316, 9-10=-106/316

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=26ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-13 to 1-5-3, Exterior(2N) 1-5-3 to 13-0-0, Corner(3R) 13-0-0 to 16-0-0, Exterior(2N) 16-0-0 to 27-6-13 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25, 26, 27, 28, 29, 23, 21, 20, 19, 18 except (jt=lb) 2=152, 16=152.



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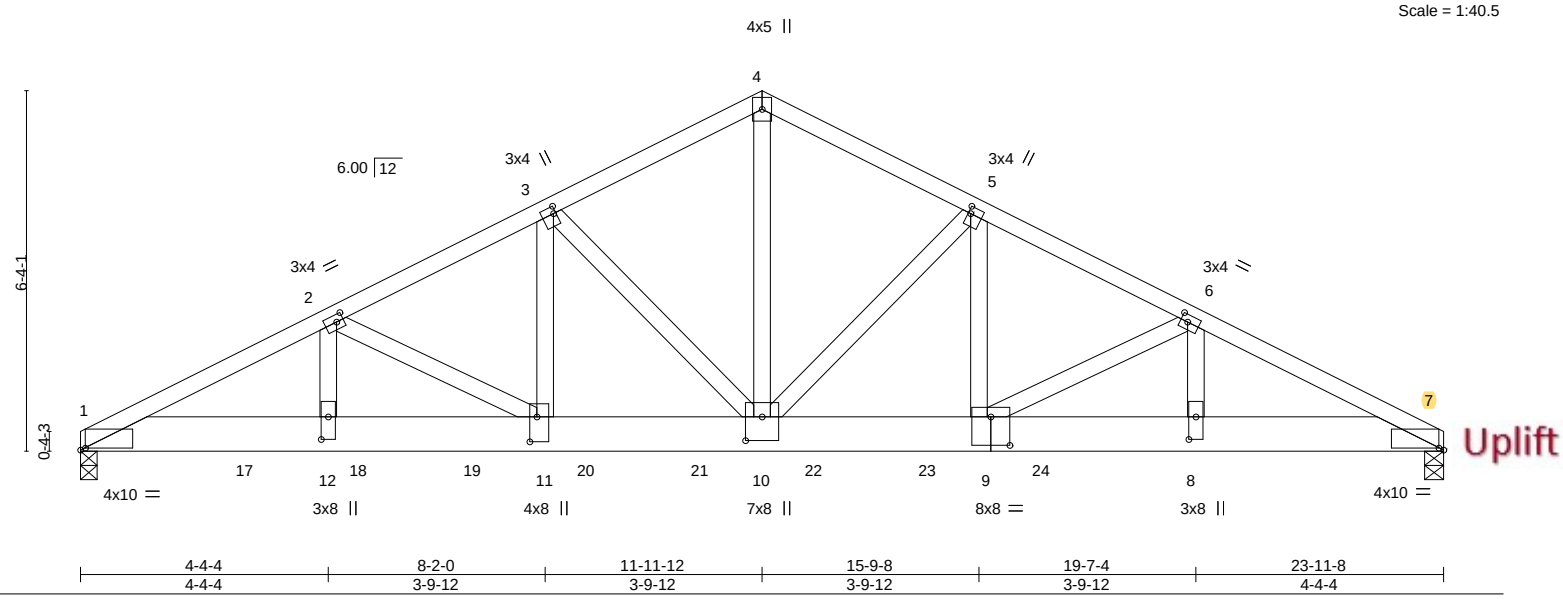
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T22	Common Girder	1	2	T27623238
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:18 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-2md?S5ZC?lo?nmGh?k7IZVcABD_8XaYWN?mZ32zJwkJ

4-4-4	8-2-0	11-11-12	15-9-8	19-7-4	23-11-8
4-4-4	3-9-12	3-9-12	3-9-12	3-9-12	4-4-4

Scale = 1:40.5



4-4-4	8-2-0	11-11-12	15-9-8	19-7-4	23-11-8
4-4-4	3-9-12	3-9-12	3-9-12	3-9-12	4-4-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.21	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.31	10-11	>925	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 328 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x8 SP No.1D
WEBS 2x4 SP No.3 *Except*
4-10: 2x4 SP No.2D

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-11-5 oc bracing.

REACTIONS. (size) 1=0-3-8, 7=0-4-0
Max Horz 1=161(LC 7)
Max Uplift 1=-2612(LC 8), 7=-2040(LC 8)
Max Grav 1=6782(LC 2), 7=4812(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-12425/4881, 2-3=-9937/4039, 3-4=-7476/3236, 4-5=-7476/3236, 5-6=-9792/4245, 6-7=-10294/4387
BOT CHORD 1-12=-4301/11095, 11-12=-4301/11095, 10-11=-3465/8866, 9-10=-3583/8579, 8-9=-3853/9159, 7-8=-3853/9159
WEBS 4-10=-2737/6466, 5-10=-2866/1343, 5-9=-1265/2926, 6-9=-499/234, 6-8=-59/327, 3-10=-3179/1172, 3-11=-1049/3223, 2-11=-2537/951, 2-12=-693/2173

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; 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
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=2612, 7=2040.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1040 lb down and 365 lb up at 0-10-12, 1037 lb down and 368 lb up at 2-10-12, 1032 lb down and 368 lb up at 4-10-12, 1031 lb down and 368 lb up at 6-10-12, 1060 lb down and 368 lb up at 8-10-12, 1037 lb down and 368 lb up at 10-10-12, 1060 lb down and 495 lb up at 12-10-12, and 931 lb down and 485 lb up at 14-10-12, and 2096 lb down and 897 lb up at 16-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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Continued on page 2

LOAD CASE(S) Standard

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Tampa, FL 36610

LOAD CASE(S) Standard

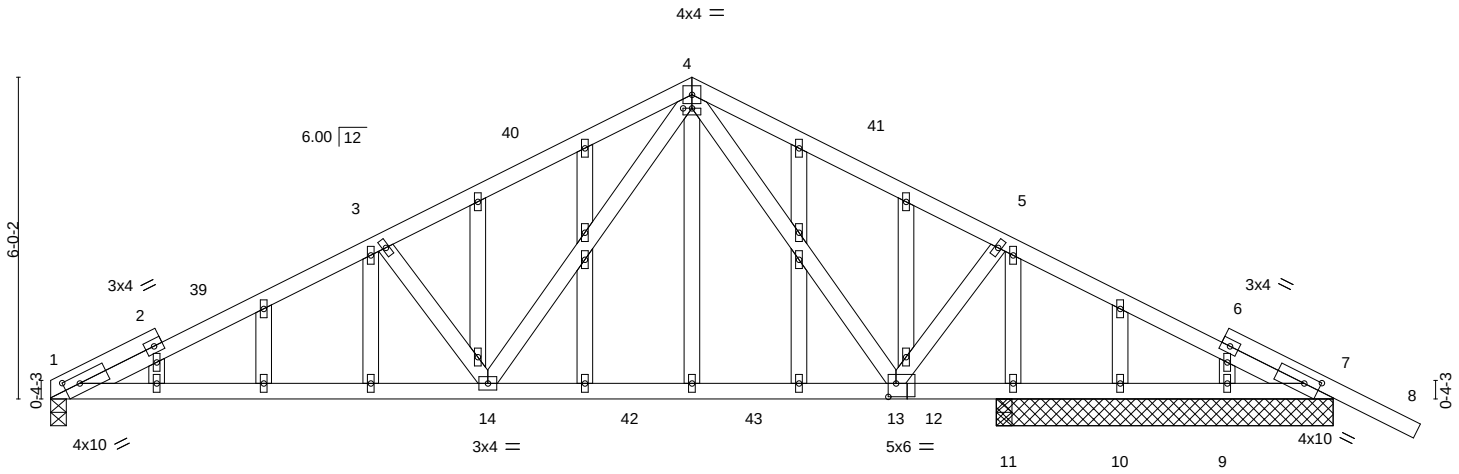
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 1-7=-20
   Concentrated Loads (lb)
   Vert: 14=-934(B) 17=-931(B) 18=-931(B) 19=-931(B) 20=-931(B) 21=-931(B) 22=-931(B) 23=-931(B) 24=-2096(B)

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T23	Common Structural Gable	1	1	T27623239
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:19 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-WzBOgRaqmcwsPvquZReX6i8JmdMgG7ZfcfW6bUzJwkI

6-3-2	11-11-12	17-8-6	23-11-8	25-5-8
6-3-2	5-8-10	5-8-10	6-3-2	1-6-0

Scale = 1:43.0



8-2-0	15-9-8	17-11-8	23-11-8
8-2-0	7-7-8	2-2-0	6-0-0

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

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	0.78	Vert(LL)	-0.15	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.26	13-14	>806	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 155 lb	FT = 20%

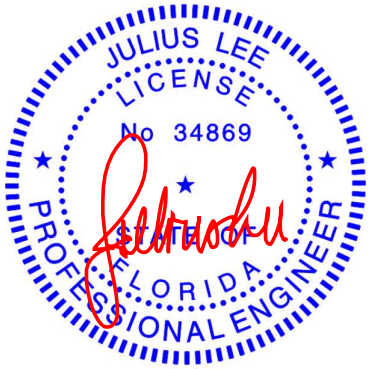
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 6-3-8 except (jt=length) 1=0-3-8.
(lb) - Max Horz 1=-173(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-295(LC 12), 7=-292(LC 12), 11=-120(LC 12), 10=-155(LC 1), 9=-157(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 10 except 1=901(LC 17), 7=544(LC 18), 11=275(LC 1), 11=275(LC 1), 9=460(LC 18), 7=519(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1607/749, 3-4=-1473/717, 4-5=-1197/605, 5-7=-1304/631
BOT CHORD 1-14=-548/1575, 13-14=-197/883, 11-13=-447/1154, 10-11=-447/1154, 9-10=-447/1154, 7-9=-447/1154
WEBS 4-13=-110/396, 5-13=-296/325, 4-14=-278/824, 3-14=-403/364

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=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-11-12, Exterior(2R) 11-11-12 to 14-11-12, Interior(1) 14-11-12 to 25-6-5 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) 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 studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 1, 292 lb uplift at joint 7, 120 lb uplift at joint 11, 155 lb uplift at joint 10, 157 lb uplift at joint 9 and 292 lb uplift at joint 7.



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May 5,2022

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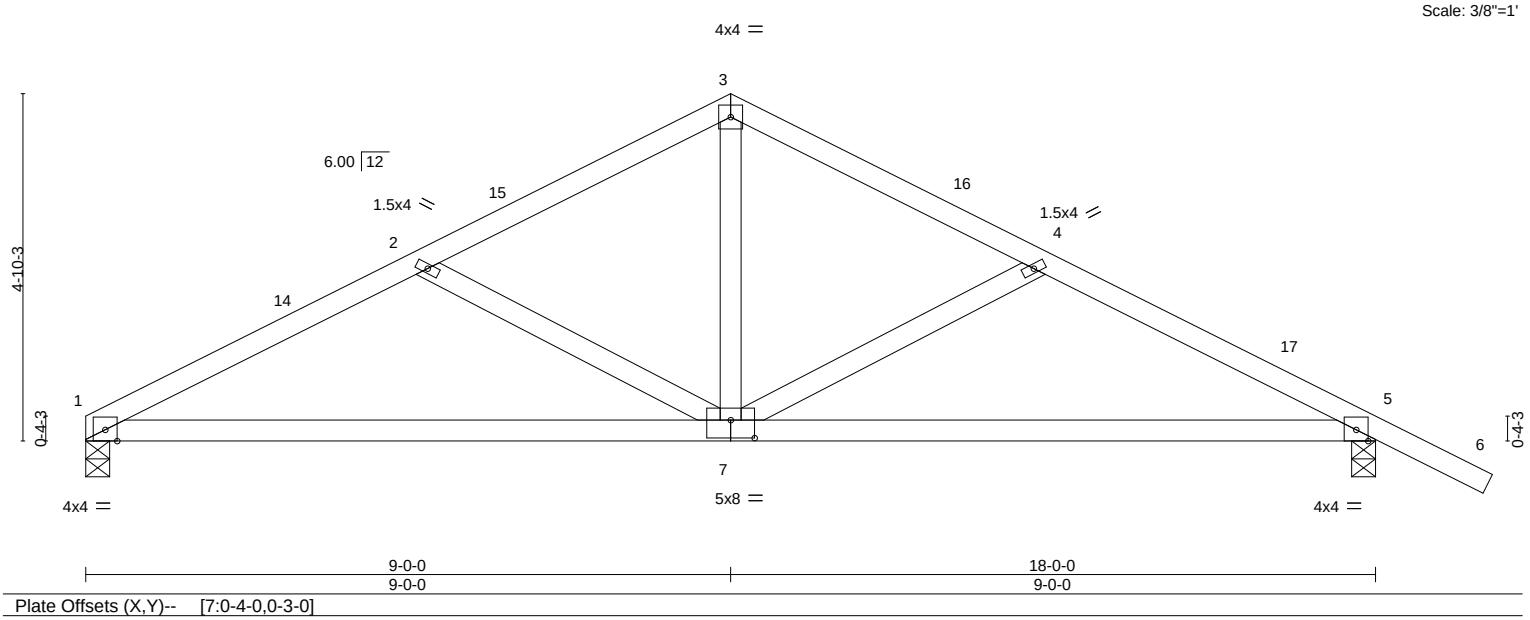
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T24	Common	3	1	T27623240
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:20 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-_9ImtmbSXw2i13P4699nfwhb00jC?bDprJFg7xzJwkH

4-9-4	9-0-0	13-2-12	18-0-0	19-6-0
4-9-4	4-2-12	4-2-12	4-9-4	1-6-0

Scale: 3/8"=1'



9-0-0	18-0-0
9-0-0	9-0-0

Plate Offsets (X,Y)-- [7:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.09	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.20	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 80 lb	FT = 20%

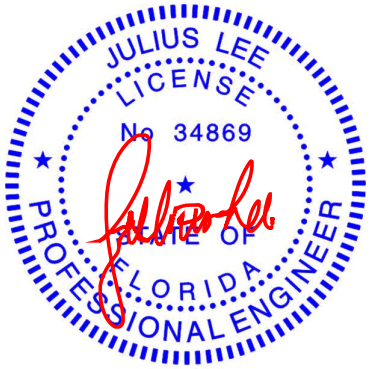
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-14 oc bracing.

REACTIONS. (size) 1=0-4-0, 5=0-4-0
Max Horz 1=-142(LC 10)
Max Uplift 1=-239(LC 12), 5=-349(LC 12)
Max Grav 1=662(LC 1), 5=754(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1114/716, 2-3=-839/533, 3-4=-838/517, 4-5=-1103/700
BOT CHORD 1-7=-502/980, 5-7=-503/965
WEBS 3-7=-223/515, 4-7=-318/344, 2-7=-332/362

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=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 19-6-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 239 lb uplift at joint 1 and 349 lb uplift at joint 5.



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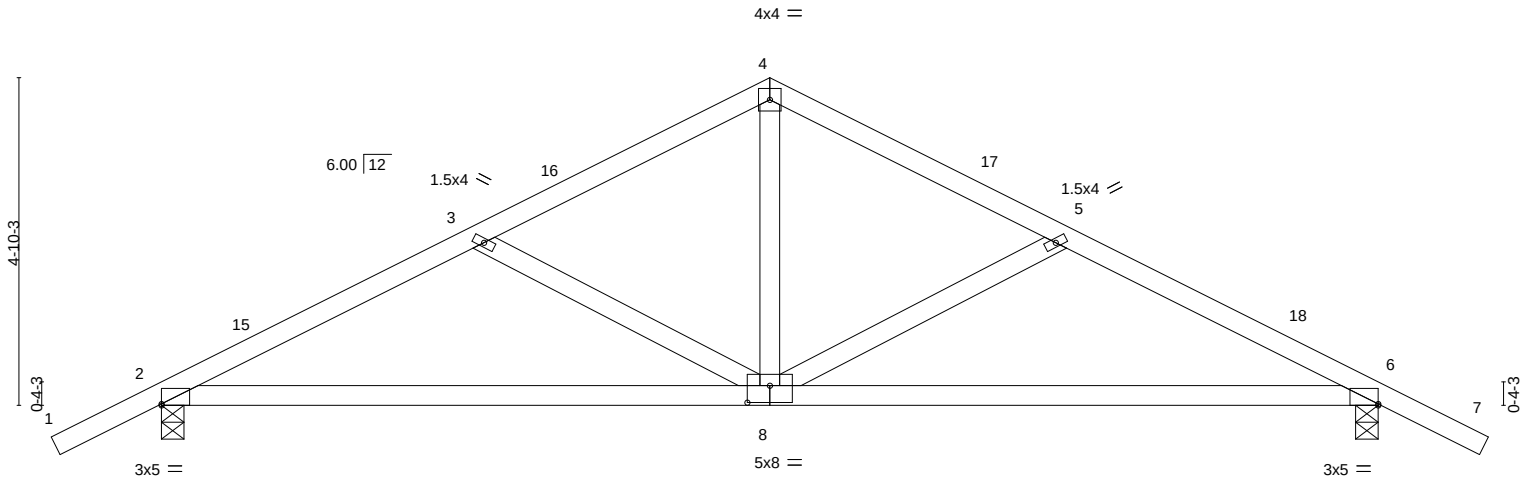
Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T25	Common	2	1	T27623241
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:21 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-SLI856b4IDAZeD_Ggsg0B7Em5Q3Vk2Uy3z?DgNzJwkG

-1-6-0 4-9-4 9-0-0 13-2-12 18-0-0 19-6-0
1-6-0 4-9-4 4-2-12 4-2-12 4-9-4 1-6-0

Scale = 1:34.1



9-0-0 18-0-0
9-0-0 9-0-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.09	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.20	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 82 lb	FT = 20%

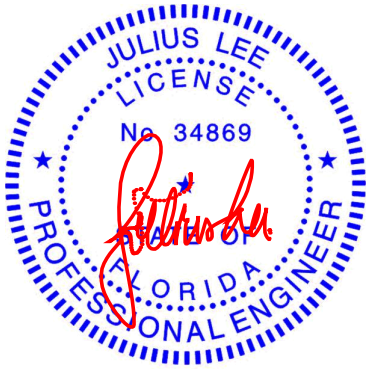
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-11-3 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=144(LC 11)
Max Uplift 2=-343(LC 12), 6=-343(LC 12)
Max Grav 2=751(LC 1), 6=751(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1094/677, 3-4=-829/506, 4-5=-829/506, 5-6=-1094/677
BOT CHORD 2-8=-460/958, 6-8=-483/958
WEBS 4-8=-194/512, 5-8=-318/345, 3-8=-318/345

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=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-13 to 1-5-3, Interior(1) 1-5-3 to 9-0-0, Exterior(2R) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 19-6-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 343 lb uplift at joint 2 and 343 lb uplift at joint 6.



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Date:

May 5,2022

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T26	Common Supported Gable	1	1	T27623242
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:22 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-xYsWISci3XIQGNZTEaBFkLmzdqYNTYw5IdkmCpzJwkF

-1-6-0 9-0-0 18-0-0 19-6-0
1-6-0 9-0-0 9-0-0 1-6-0

Scale = 1:35.2

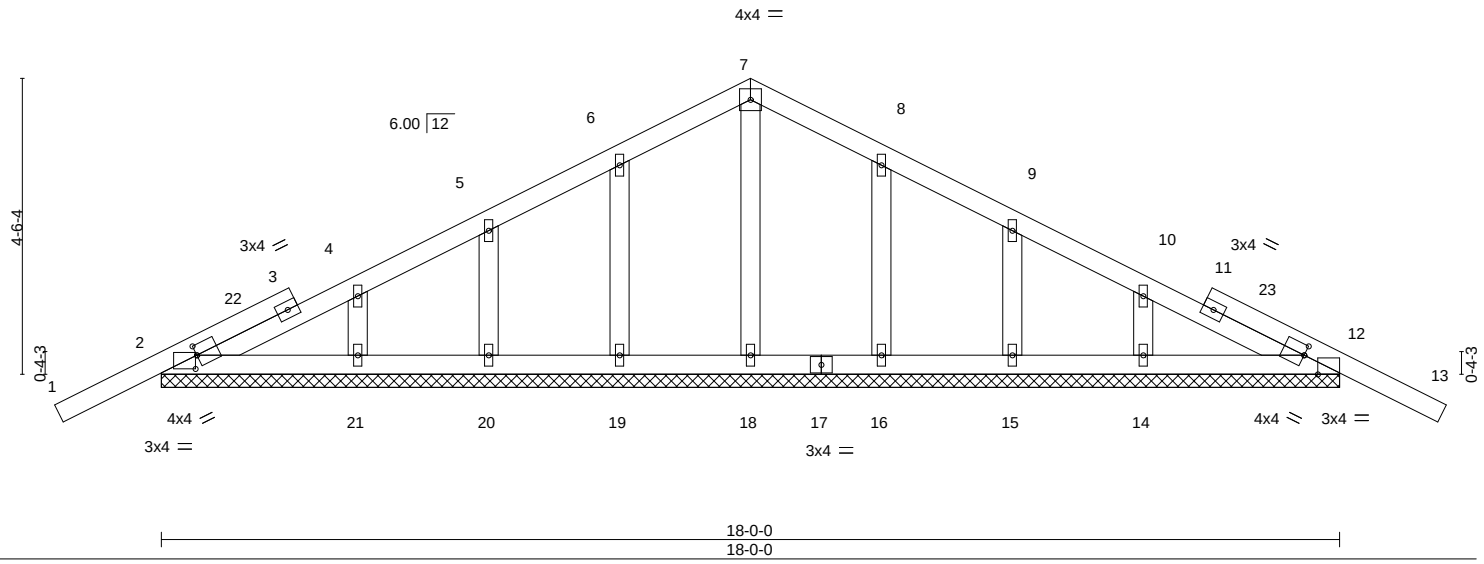


Plate Offsets (X,Y)-- [2:0-0-0,0-1-13], [2:0-0-4,0-2-8], [12:0-0-0,0-1-13], [12:0-2-8,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-S							Weight: 90 lb	FT = 20%

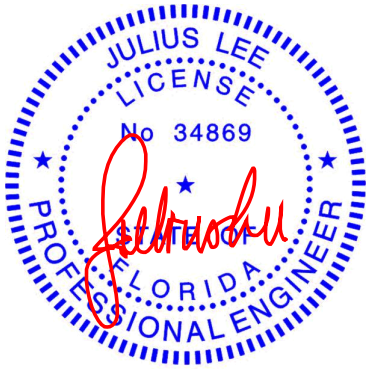
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
OTHERS 2x4 SP No.3

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 18-0-0.
(lb) - Max Horz 2=135(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 19, 20, 21, 16, 15, 14 except 2=-166(LC 12), 12=-166(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 21, 16, 15, 14

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; 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) -1-6-13 to 1-5-3, Exterior(2N) 1-5-3 to 9-0-0, Corner(3R) 9-0-0 to 12-0-0, Exterior(2N) 12-0-0 to 19-6-13 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 20, 21, 16, 15, 14 except (jt=lb) 2=166, 12=166.



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May 5,2022

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T27	Common Girder	1	2	T27623243

Job Reference (optional)

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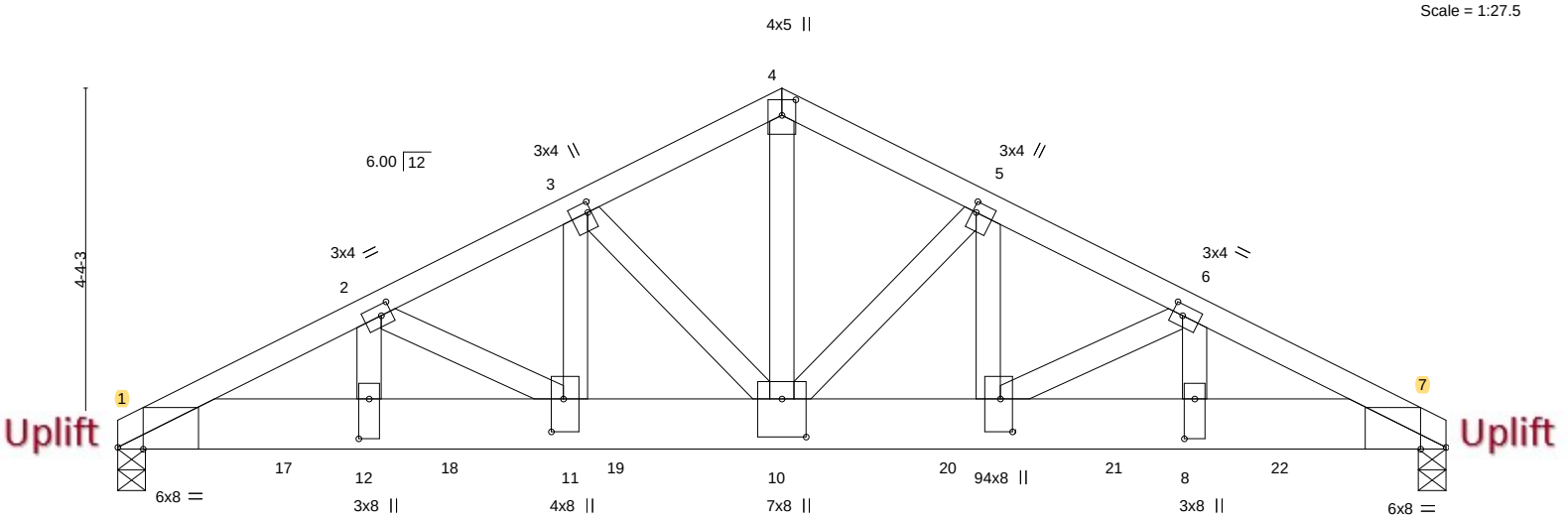
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-PkQuVodKqqQHuX8foHjUGYJ_jEfnCqgFXGUKkGzJwkE

3-0-5	5-6-3	8-0-0	10-5-13	12-11-11	16-0-0
3-0-5	2-5-13	2-5-13	2-5-13	2-5-13	3-0-5

Scale = 1:27.5



3-0-5	5-6-3	8-0-0	10-5-13	12-11-11	16-0-0
3-0-5	2-5-13	2-5-13	2-5-13	2-5-13	3-0-5

Plate Offsets (X,Y)-- [1:0-3-11,Edge], [2:0-1-8,0-1-8], [3:0-1-8,0-0-8], [4:0-2-4,0-2-0], [5:0-1-8,0-0-8], [6:0-1-8,0-1-8], [7:0-3-11,Edge], [8:0-5-12,0-1-8], [9:0-4-12,0-1-12], [10:0-5-8,0-3-8], [11:0-4-12,0-1-12], [12:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.13	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.22	9-10	>853	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 215 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D
BOT CHORD 2x8 SP No.1D
WEBS 2x4 SP No.3 *Except*
4-10: 2x4 SP No.2D

BRACING-

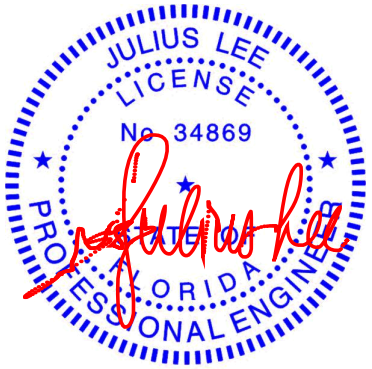
TOP CHORD Structural wood sheathing directly applied or 2-11-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 7=0-4-0
Max Horz 1=107(LC 24)
Max Uplift 1=-2193(LC 8), 7=-2600(LC 8)
Max Grav 1=6322(LC 2), 7=7922(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-12099/4202, 2-3=-10407/3633, 3-4=-8254/2914, 4-5=-8254/2914, 5-6=-10609/3682, 6-7=-13064/4445
BOT CHORD 1-12=-3704/10784, 11-12=-3704/10784, 10-11=-3154/9303, 9-10=-3196/9481, 8-9=-3928/11674, 7-8=-3928/11674
WEBS 4-10=-2480/7160, 5-10=-3065/1086, 5-9=-1041/3203, 6-9=-2522/839, 6-8=-682/2257, 3-10=-2805/1024, 3-11=-972/2916, 2-11=-1706/630, 2-12=-504/1575

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; 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
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=2193, 7=2600.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1642 lb down and 570 lb up at 2-0-12, 1642 lb down and 570 lb up at 4-0-12, 1642 lb down and 570 lb up at 6-0-12, 1642 lb down and 570 lb up at 8-0-12, 1642 lb down and 570 lb up at 10-0-12, 1642 lb down and 570 lb up at 12-0-12, and 1642 lb down and 570 lb up at 14-0-12, and 1745 lb down and 444 lb up at 14-11-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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LOAD CASE(S) Standard

Continued on page 2

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LOAD CASE(S) Standard

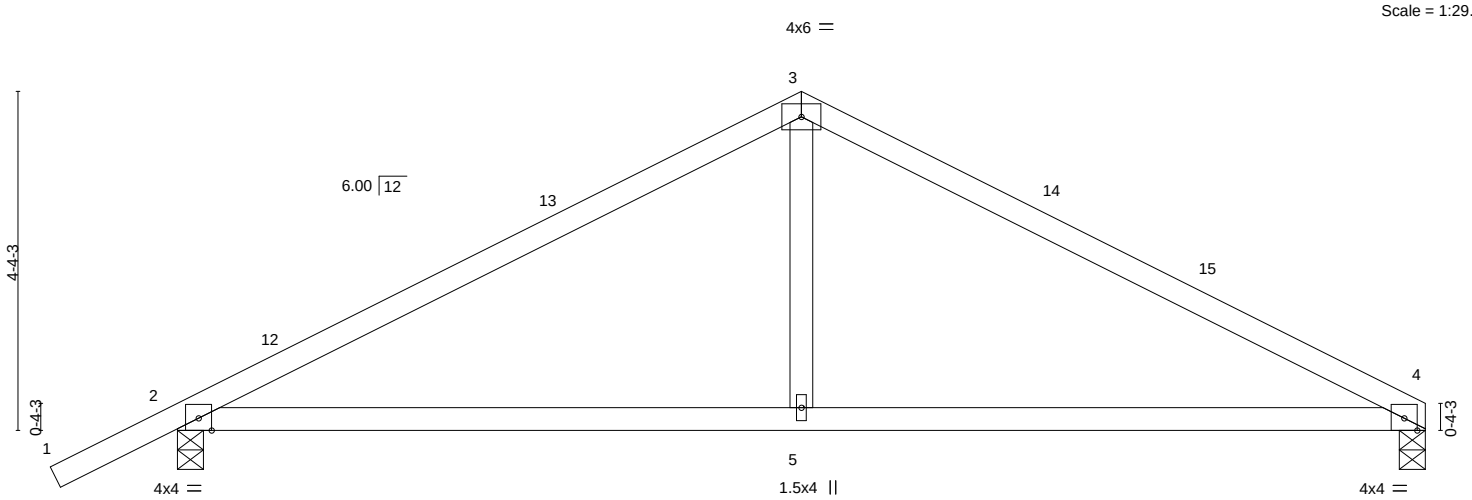
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 1-7=-20
   Concentrated Loads (lb)
   Vert: 10=-1479(F) 16=-1601(F) 17=-1479(F) 18=-1479(F) 19=-1479(F) 20=-1479(F) 21=-1479(F) 22=-1479(F)

Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T28	Common	1	1	T27623244
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:24 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-tw_Hj8eyb8Y8VhjrL?EjpmsBUe58xQ3OmwDtGizJwkD

-1-6-0 / 1-6-0 | 8-0-0 / 8-0-0 | 16-0-0 / 8-0-0

Scale = 1:29.5



8-0-0 / 8-0-0 | 16-0-0 / 8-0-0

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	0.71	Vert(LL)	0.14	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.22	5-8	>859	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MS							Weight: 59 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 4-10-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-10-14 oc bracing.

REACTIONS. (size) 4=0-4-0, 2=0-4-0
Max Horz 2=128(LC 11)
Max Uplift 4=-211(LC 12), 2=-322(LC 12)
Max Grav 4=588(LC 1), 2=681(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-848/524, 3-4=-846/539
BOT CHORD 2-5=-326/682, 4-5=-326/682
WEBS 3-5=-9/373

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=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-13 to 1-5-3, Interior(1) 1-5-3 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 16-0-0 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
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=211, 2=322.

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T29	Common	1	1	T27623245
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed May 4 09:02:25 2022 Page 1
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-L7YfwUebMSg?7qI1vilyLzONl1RUgtKY_azRp8zJwkC

-1-6-0 1-6-0 | 8-0-0 8-0-0 | 16-0-0 8-0-0 | 17-6-0 1-6-0

Scale = 1:30.9

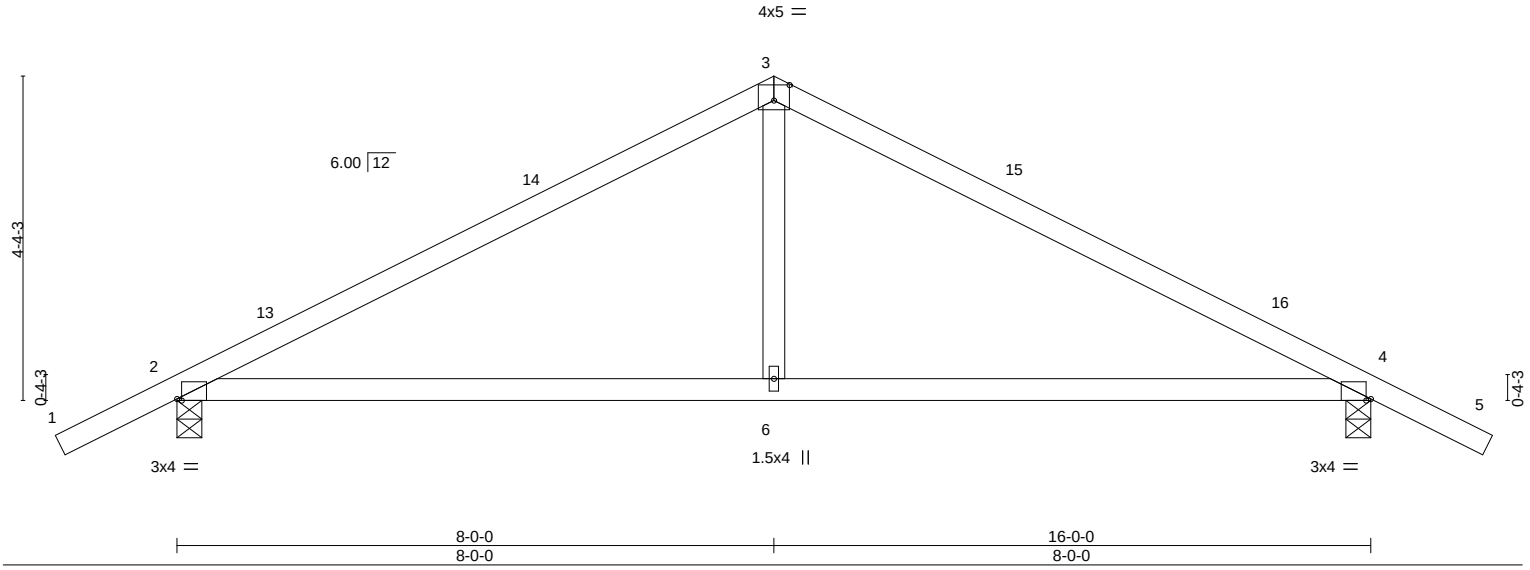

Plate Offsets (X,Y)-- [2:0-0-12,Edge], [3:0-2-8,0-2-8], [4:0-0-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.12	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.20	6-9	>956	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 61 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 5-1-14 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=-130(LC 10)
Max Uplift 2=-316(LC 12), 4=-316(LC 12)
Max Grav 2=677(LC 1), 4=677(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-835/510, 3-4=-835/510
BOT CHORD 2-6=-240/670, 4-6=-240/670
WEBS 3-6=0/371

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=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-13 to 1-5-3, Interior(1) 1-5-3 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-6-13 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=316, 4=316.

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Job	Truss	Truss Type	Qty	Ply	SENTER / SKIP HARVEY
V0182	T30	Common Supported Gable	1	1	T27623246
					Job Reference (optional)

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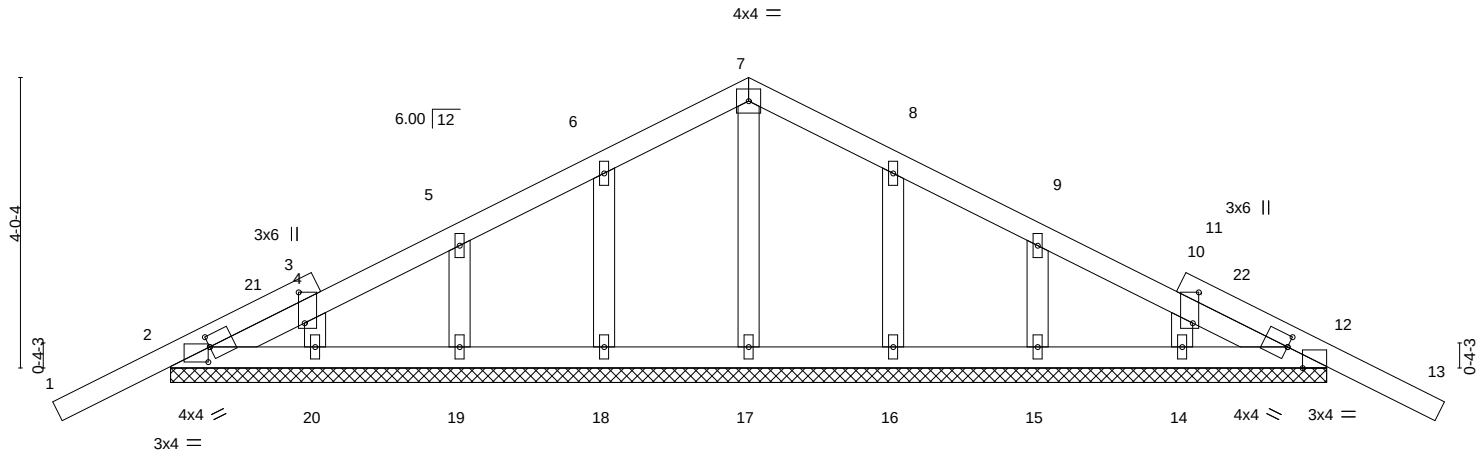
ID:8Eyw4QnbjMTX05uSnwlvN8zi08W-HVgPLAgru3wjM8SQ17nQROUqMrGi8p8rSuSXt1zJwkA

-1-6-0 8-0-0 16-0-0 17-6-0
1-6-0 8-0-0 8-0-0 1-6-0

Scale: 3/8"=1'



16-0-0
16-0-0

Plate Offsets (X,Y)-- [2:0-0-0,0-1-13], [2:0-0-4,0-2-8], [3:0-5-2,0-1-0], [11:0-5-2,0-1-0], [12:0-0-0,0-1-13], [12:0-2-8,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-S							Weight: 79 lb	FT = 20%

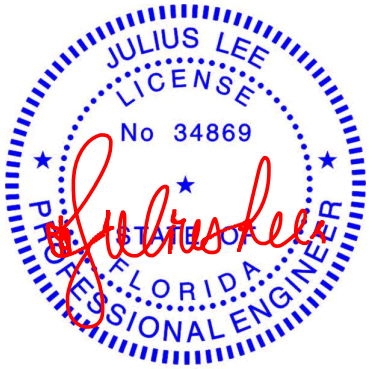
LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
OTHERS 2x4 SP No.3

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 16-0-0.
(lb) - Max Horz 2=121(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 18, 19, 20, 16, 15, 14 except 2=-164(LC 12), 12=-164(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-
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=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-13 to 1-5-3, Exterior(2N) 1-5-3 to 8-0-0, Corner(3R) 8-0-0 to 11-0-0, Exterior(2N) 11-0-0 to 17-6-13 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) 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=164, 12=164.



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Date:

May 5,2022

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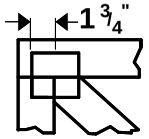
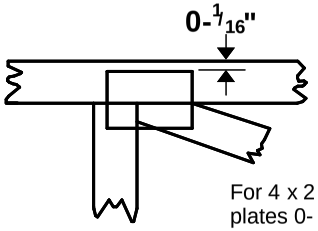
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

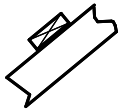
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

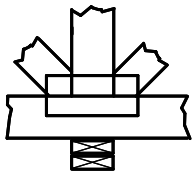
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

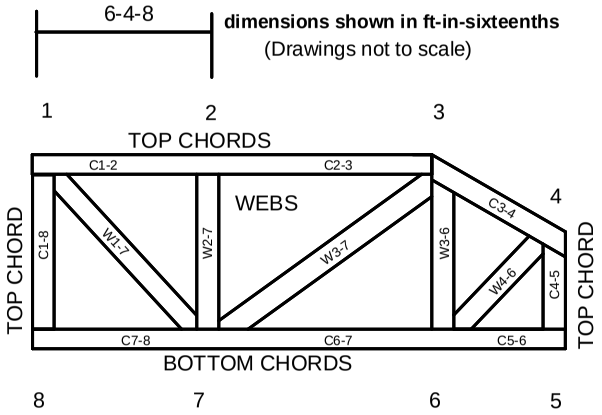


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

21.The design does not take into account any dynamic or other loads other than those expressly stated.