(73)

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

RE: U0138 - ARRINGTON RES

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

Site Information:
Customer Info: ARRINGTON Project Name: 000 Model: 000
Lot/Block: 000 Subdivision: 000
Address: 000, 000
City: 000 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: N/A Wind Speed: 140 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 39 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	T22629631	CAP1	1/28/21	23	T22629653	T15	1/28/21
2	T22629632	CAP2	1/28/21	24	T22629654	T16	1/28/21
3	T22629633	CJ1	1/28/21	25	T22629655	T17	1/28/21
4	T22629634	EJ2	1/28/21	26	T22629656	T18	1/28/21
5	T22629635	EJ2A	1/28/21	27	T22629657	T19	1/28/21
6	T22629636	EJ7	1/28/21	28	T22629658	T20	1/28/21
7	T22629637	SJ1	1/28/21	29	T22629659	T21	1/28/21
8	T22629638	SJ3	1/28/21	30	T22629660	T22	1/28/21
9	T22629639	SJ5	1/28/21	31	T22629661	T23	1/28/21
10	T22629640	T1	1/28/21	32	T22629662	T24	1/28/21
11	T22629641	T2	1/28/21	33	T22629663	T25	1/28/21
12	T22629642	T3	1/28/21	34	T22629664	T26	1/28/21
13	T22629643	T4	1/28/21	35	T22629665	T27	1/28/21
14	T22629644	T6	1/28/21	36	T22629666	T28	1/28/21
15	T22629645	T7	1/28/21	37	T22629667	T29	1/28/21
16	T22629646	T8	1/28/21	38	T22629668	T30	1/28/21
17	T22629647	T9	1/28/21	39	T22629669	T31	1/28/21
18	T22629648	T10	1/28/21				
19	T22629649	T11	1/28/21				
20	T22629650	T12	1/28/21				
21	T22629651	T13	1/28/21				
22	T22629652	T14	1/28/21				

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, 2021.

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

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

January 28,2021

Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629631
U0138	CAP1	GABLE	2	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:18 2021 Page 1
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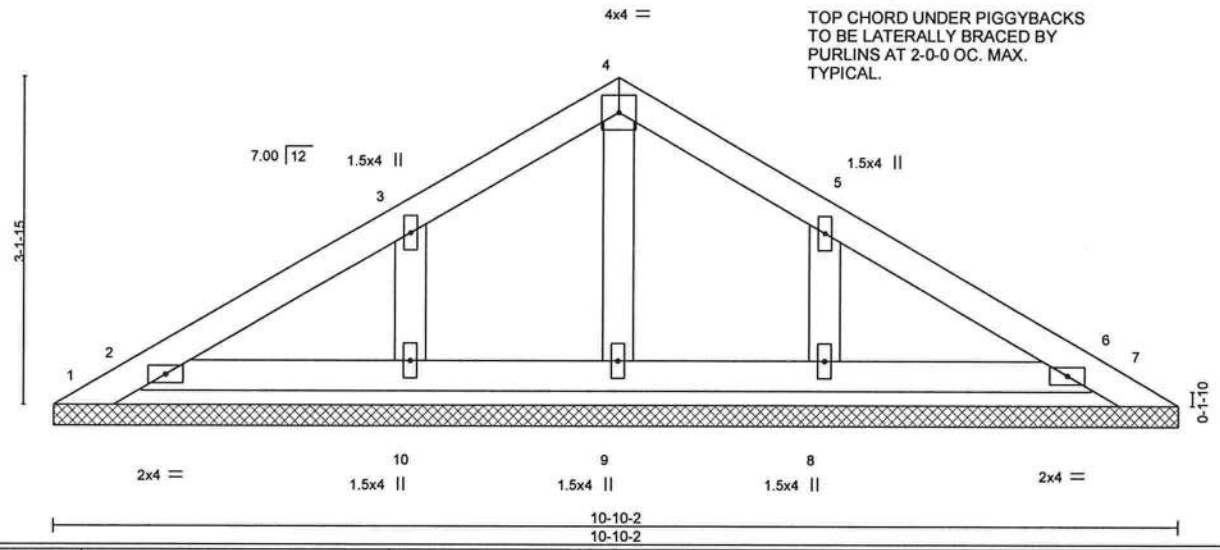
Scale = 1:21.1



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-S							Weight: 40 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 10-10-2.
(lb) - Max Horz 1=-98(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 2, 6 except 10=-107(LC 12), 8=-107(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 9, 10, 8

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=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-8 to 3-5-1, Interior(1) 3-5-1 to 5-5-1, Exterior(2R) 5-5-1 to 8-5-1, Interior(1) 8-5-1 to 10-6-10 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) Gable requires continuous bottom chord bearing.
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 2, 6 except (jt=lb) 10=107, 8=107.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629632
U0138	CAP2	Piggyback	18	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:18 2021 Page 1
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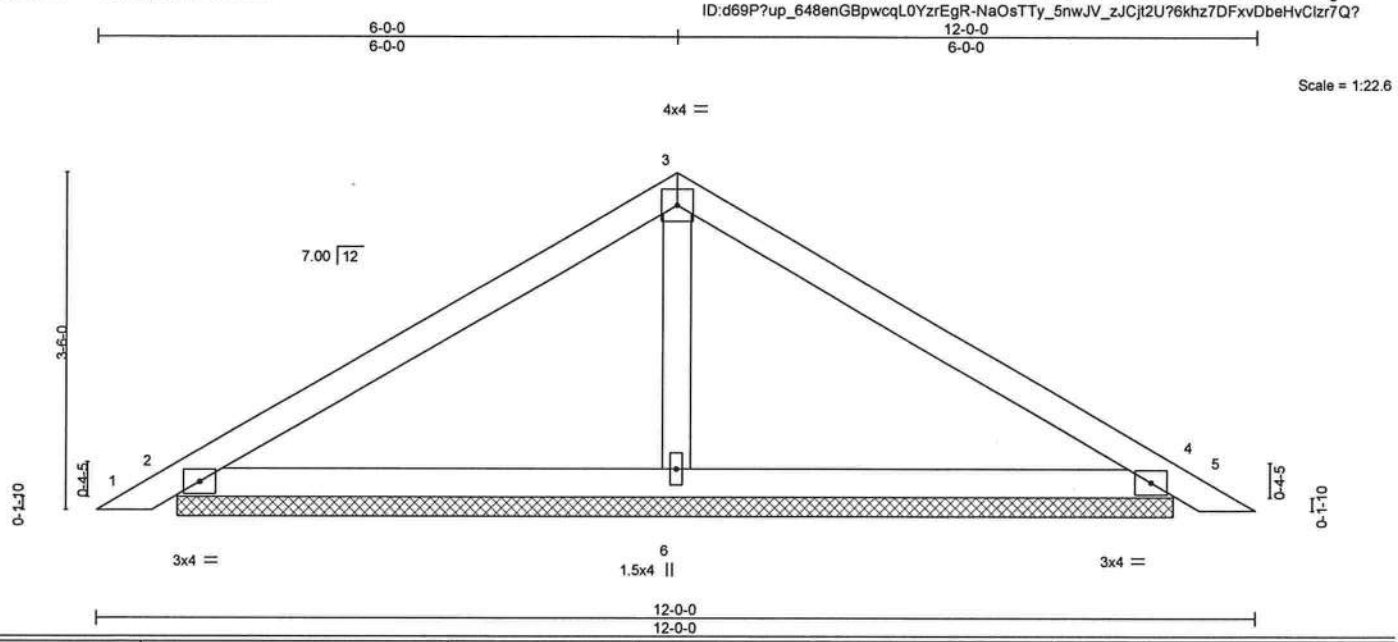

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-S							Weight: 40 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. (size) 2=10-3-11, 4=10-3-11, 6=10-3-11
Max Horz 2=-110(LC 10)
Max Uplift 2=-128(LC 12), 4=-128(LC 12), 6=-95(LC 12)
Max Grav 2=213(LC 1), 4=214(LC 18), 6=396(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-8 to 3-3-8, Interior(1) 3-3-8 to 6-0-0, Exterior(2R) 6-0-0 to 9-0-0, Interior(1) 9-0-0 to 11-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=128, 4=128.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629633
U0138	CJ1	Diagonal Hip Girder	2	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:19 2021 Page 1
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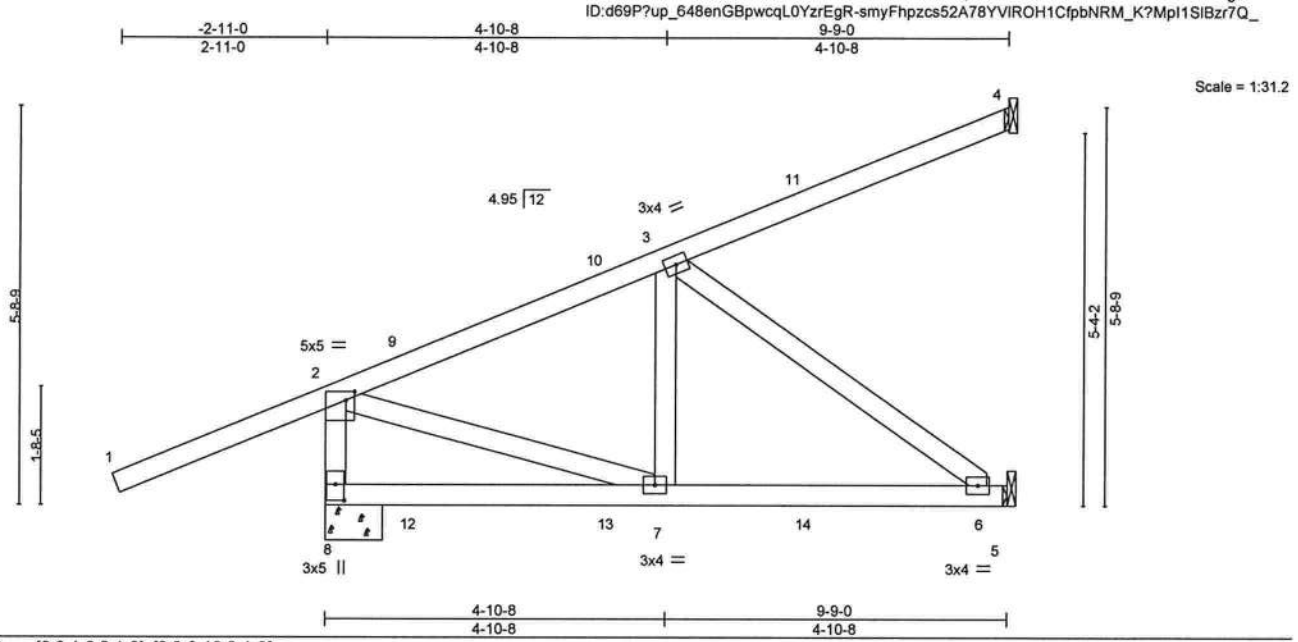

Plate Offsets (X,Y)-- [2:0-1-8,0-1-8], [8:0-2-12,0-1-8]

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	0.68	Vert(LL)	0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.06	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.33	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3 *Except*
2-8: 2x4 SP No.2D

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) 8=0-9-14, 4=Mechanical, 5=Mechanical
Max Horz 8=334(LC 8)
Max Uplift 8=-652(LC 8), 4=-135(LC 8), 5=-245(LC 8)
Max Grav 8=717(LC 30), 4=126(LC 1), 5=348(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-642/517, 2-3=-624/335
BOT CHORD 6-7=-375/421
WEBS 2-7=-233/443, 3-6=-524/466

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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=652, 4=135, 5=245.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 190 lb down and 210 lb up at 1-2-14, 190 lb down and 210 lb up at 1-2-14, 105 lb down and 72 lb up at 4-0-13, 105 lb down and 72 lb up at 4-0-13, and 142 lb down and 147 lb up at 6-10-12, and 142 lb down and 147 lb up at 6-10-12 on top chord, and 49 lb down and 101 lb up at 1-2-14, 49 lb down and 101 lb up at 1-2-14, 26 lb down and 37 lb up at 4-0-13, 26 lb down and 37 lb up at 4-0-13, and 44 lb down and 36 lb up at 6-10-12, and 44 lb down and 36 lb up at 6-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 9=109(F=54, B=54) 11=-49(F=-24, B=-24) 13=10(F=5, B=5) 14=-32(F=-16, B=-16)

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Date:
January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629634
U0138	EJ2	Jack-Open	3	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:20 2021 Page 1
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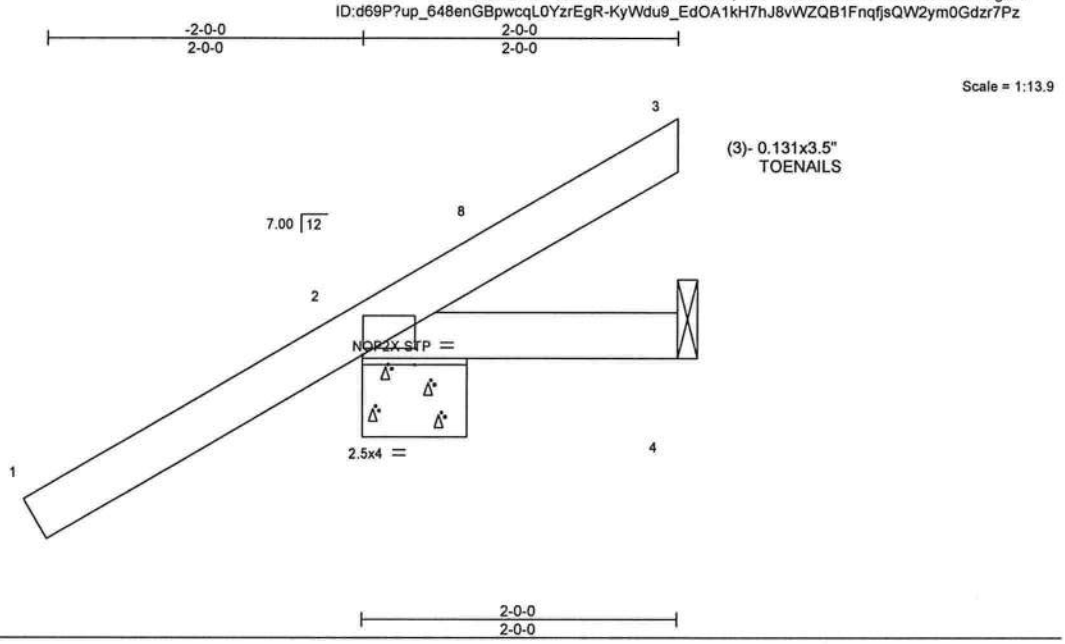

Plate Offsets (X,Y)-- [2:0-4-1,0-0-8]

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	0.49	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MP							Weight: 10 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 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-8-0, 4=Mechanical
Max Horz 2=164(LC 12)
Max Uplift 2=-240(LC 12), 4=-31(LC 9)
Max Grav 2=244(LC 1), 4=58(LC 8)

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) -2-0-14 to 0-11-2, Interior(1) 0-11-2 to 2-0-0 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
2) All plates are MT20 plates unless otherwise indicated.
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) 4 except (jt=lb) 2=240.

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Date:

January 28,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629635
U0138	EJ2A	Jack-Open	6	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:21 2021 Page 1
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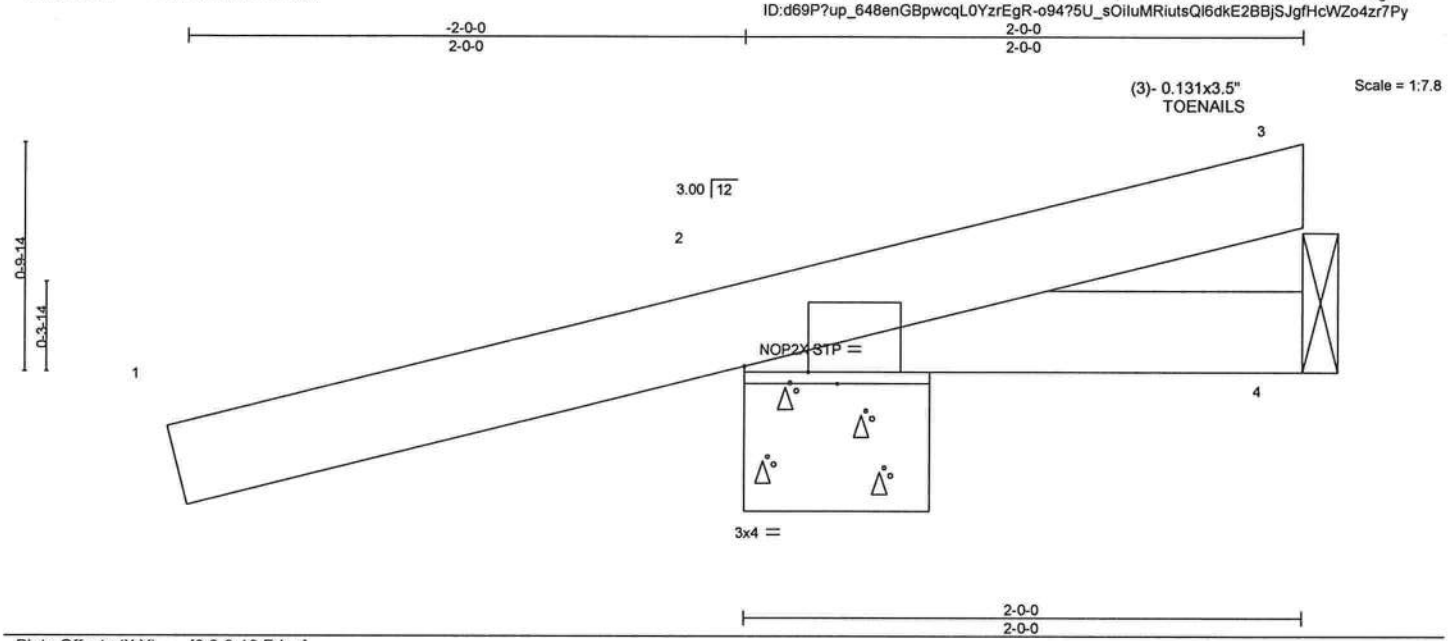

Plate Offsets (X,Y)-- [2:0-2-12,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MP							Weight: 9 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 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-8-0, 4=Mechanical
Max Horz 2=66(LC 12)
Max Uplift 2=-240(LC 8), 4=-15(LC 9)
Max Grav 2=240(LC 1), 4=46(LC 8)

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) -2-0-7 to 1-1-0, Interior(1) 1-1-0 to 2-0-0 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
2) All plates are MT20 plates unless otherwise indicated.
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) 4 except (jt=lb) 2=240.

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Date:

January 28,2021

MiTek
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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629636
U0138	EJ7	Jack-Open	3	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:21 2021 Page 1
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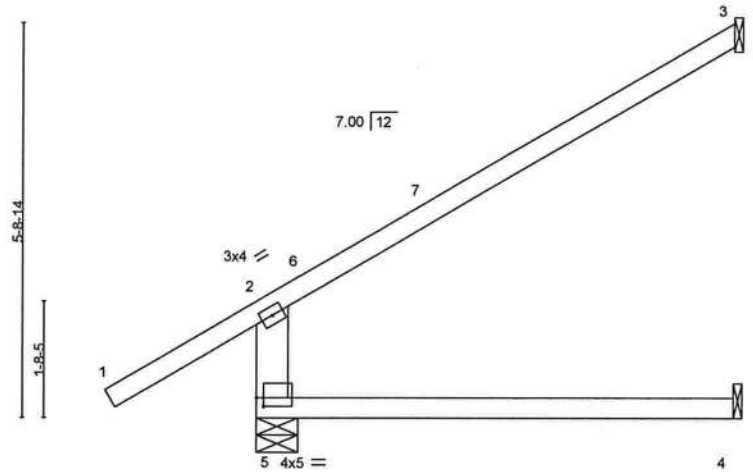
2-0-12 6-11-4

Scale: 3/8"=1'



6-11-4
6-11-4

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

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	0.93	Vert(LL)	0.18	4-5	>435	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.19	4-5	>420	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.23	3	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MR							Weight: 29 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-5-4 oc bracing.

REACTIONS. (size) 5=0-7-4, 3=Mechanical, 4=Mechanical
Max Horz 5=340(LC 12)
Max Uplift 5=-152(LC 12), 3=-171(LC 12), 4=-7(LC 12)
Max Grav 5=396(LC 1), 3=182(LC 17), 4=122(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-334/361

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) -2-1-10 to 0-10-6, Interior(1) 0-10-6 to 6-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=152, 3=171.

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January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629637
U0138	SJ1	Corner Jack	4	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:22 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-GLeNJq?U90RI_bH4RZx_frHKoaVcBlvpWGF7KWzr7Px

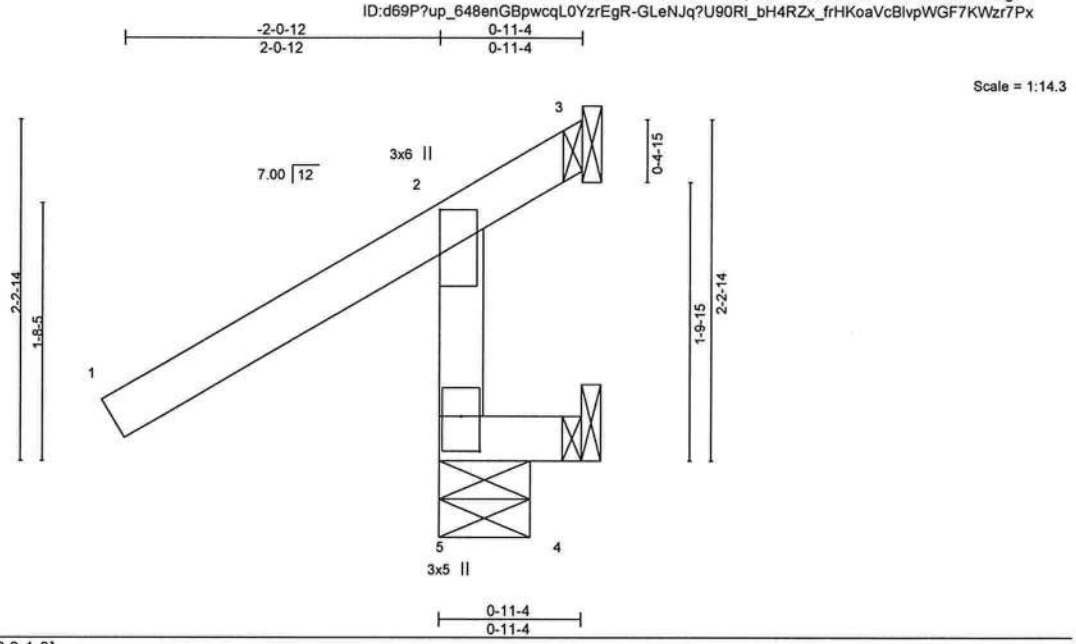

Plate Offsets (X,Y)-- [2:0-3-8,0-0-0], [5:0-2-12,0-1-8]

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	0.68	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	-0.00	5	>999	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-MR							Weight: 9 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 0-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-7-4, 3=Mechanical, 4=Mechanical
Max Horz 5=172(LC 12)
Max Uplift 5=-171(LC 12), 3=-134(LC 1), 4=-101(LC 12)
Max Grav 5=332(LC 1), 3=106(LC 12), 4=51(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-299/584

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=171, 3=134, 4=101.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES T22629638
U0138	SJ3	Corner Jack	4	1	Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:22 2021 Page 1
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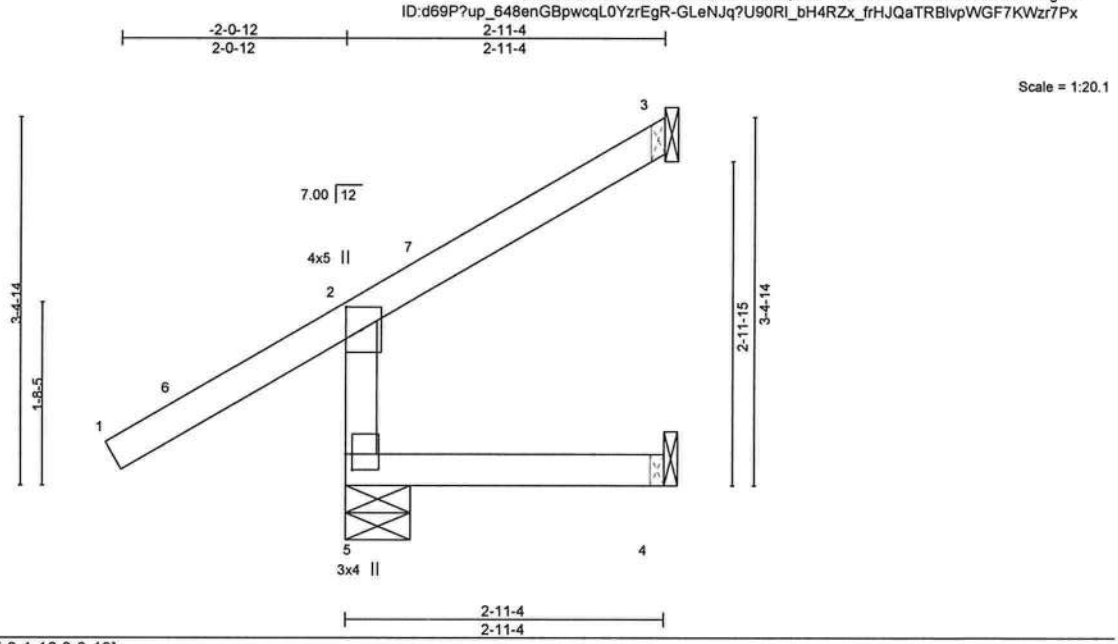

Plate Offsets (X,Y)-- [2:0-2-8,0-1-12], [5:0-1-12,0-0-12]

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	0.77	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.28	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.04	3	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MR							Weight: 15 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 2-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-7-4, 3=Mechanical, 4=Mechanical
Max Horz 5=226(LC 12)
Max Uplift 5=-137(LC 12), 3=-59(LC 12), 4=-23(LC 12)
Max Grav 5=276(LC 1), 3=56(LC 17), 4=49(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-237/347

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) -2-1-10 to 0-10-6, Interior(1) 0-10-6 to 2-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 5=137.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629639
U0138	SJ5	Corner Jack	4	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:23 2021 Page 1
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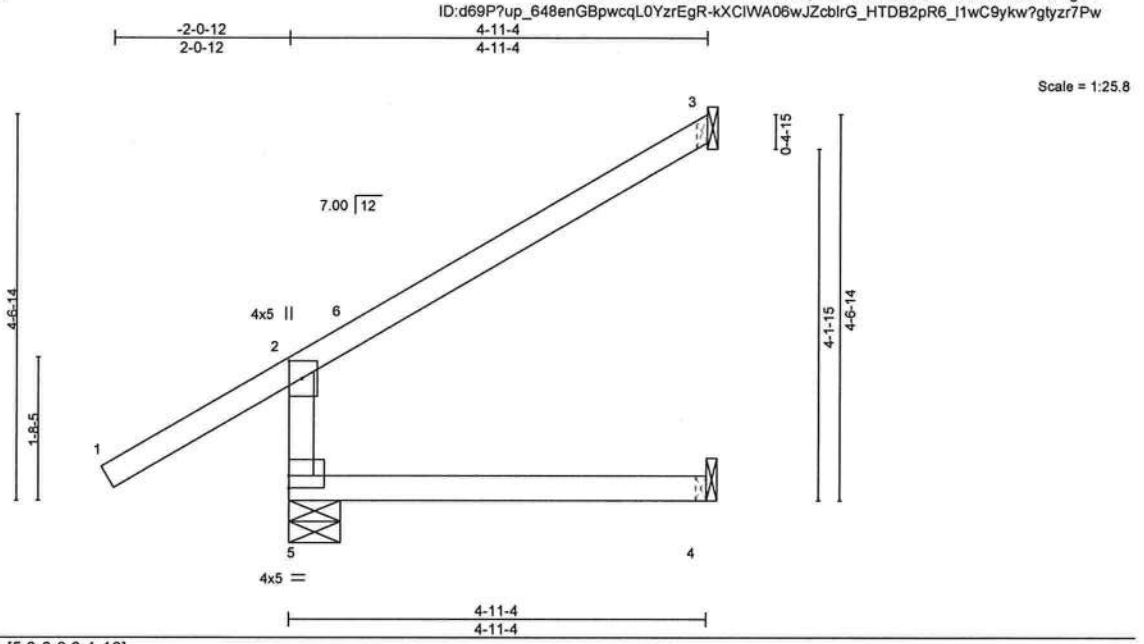

Plate Offsets (X,Y)-- [2:0-2-8,0-1-12], [5:0-0-0,0-1-12]

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	0.84	Vert(LL)	0.06	4-5	>998	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.06	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.11	3	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MR							Weight: 21 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-7-4, 3=Mechanical, 4=Mechanical
Max Horz 5=281(LC 12)
Max Uplift 5=-140(LC 12), 3=-123(LC 12), 4=-10(LC 12)
Max Grav 5=328(LC 1), 3=126(LC 17), 4=88(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-278/343

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) -2-1-10 to 0-10-6, Interior(1) 0-10-6 to 4-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=140, 3=123.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629640
U0138	T1	GABLE COMMON	1	1	Job Reference (optional)	

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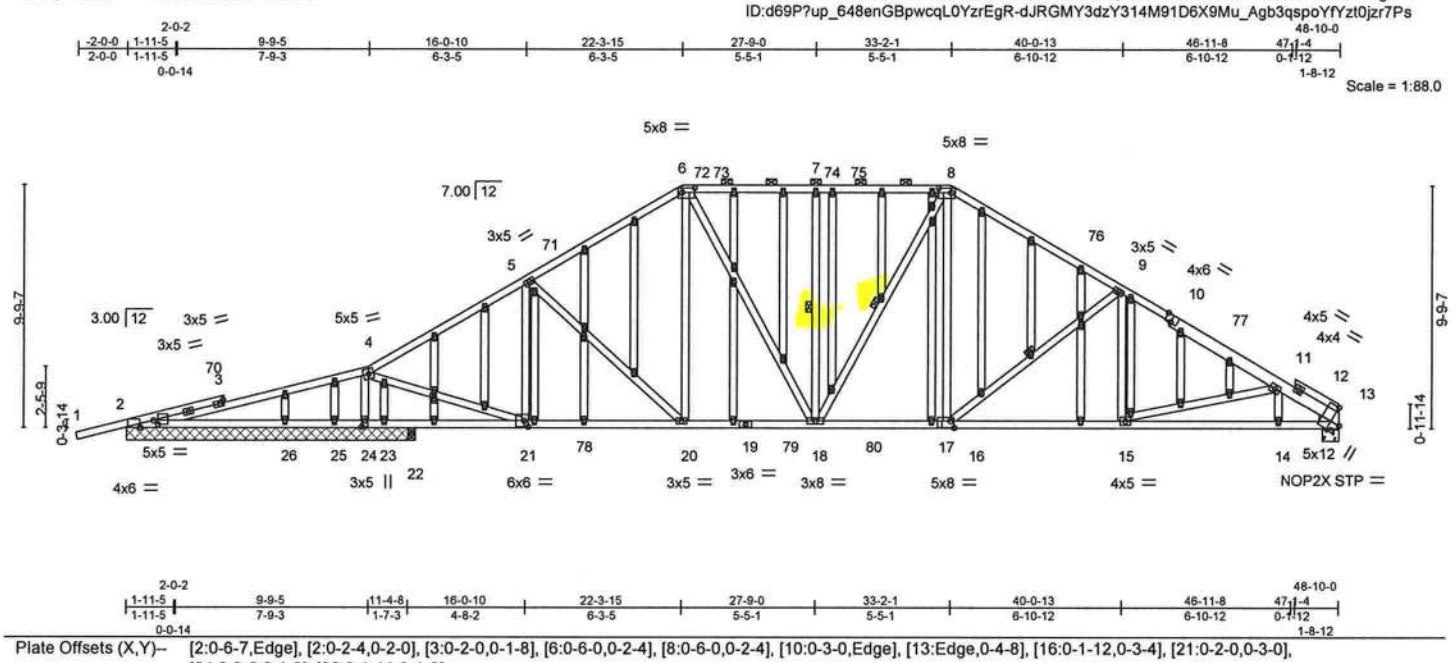

Plate Offsets (X,Y)-- [2:0-6-7,Edge], [2:0-2-4,0-2-0], [3:0-2-0,0-1-8], [6:0-6-0,0-2-4], [8:0-6-0,0-2-4], [10:0-3-0,Edge], [13:Edge,0-4-8], [16:0-1-12,0-3-4], [21:0-2-0,0-3-0], [24:0-3-0,0-1-8], [39:0-1-11,0-1-0]

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	0.67	Vert(LL)	-0.12	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.22	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 450 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D *Except* 10-13: 2x6 SP No.2
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except 2-0-0 oc purlins (4-9-5 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 5-6-13 oc bracing.
WEBS 1 Row at midpt 7-18, 8-18, 9-16

REACTIONS. All bearings 11-8-0 except (jt=length) 13=0-8-0, 22=0-3-8.
(lb) - Max Horz 2=308(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 26, 22 except 2=-173(LC 12), 24=-848(LC 12), 13=-511(LC 12), 23=-177(LC 17), 25=-200(LC 21)
Max Grav All reactions 250 lb or less at joint(s) 2, 23, 25, 22, 2 except 24=2164(LC 17), 13=1667(LC 18), 26=397(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-519/860, 4-5=-1568/803, 5-6=-1685/1010, 6-7=-1638/1081, 7-8=-1638/1081, 8-9=-1957/1110, 9-11=-2487/1226, 11-13=-2534/1196
BOT CHORD 2-26=-712/515, 25-26=-712/515, 24-25=-712/515, 23-24=-597/439, 22-23=-597/439, 21-22=-597/439, 20-21=-506/1482, 18-20=-430/1512, 16-18=-517/1592, 15-16=-872/2062, 14-15=-1049/2230, 13-14=-1077/2274
WEBS 4-24=-1968/1150, 4-21=-996/2051, 5-21=-491/416, 6-20=-0/251, 6-18=-257/539, 7-18=-326/301, 8-16=-205/670, 9-16=-682/458, 9-15=0/305, 11-14=-280/282

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=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 2-10-3, Interior(1) 2-10-3 to 22-3-15, Exterior(2R) 22-3-15 to 27-2-9, Interior(1) 27-2-9 to 33-2-1, Exterior(2R) 33-2-1 to 38-0-11, Interior(1) 38-0-11 to 48-9-0 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) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.

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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES
U0138	T1	GABLE COMMON	1	1	T22629640 Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:27 2021 Page 2
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NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 22 except (jt=lb) 2=173, 24=848, 13=511, 23=177, 25=200, 2=173.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629641
U0138	T2	Piggyback Base	11	1	Job Reference (optional)	

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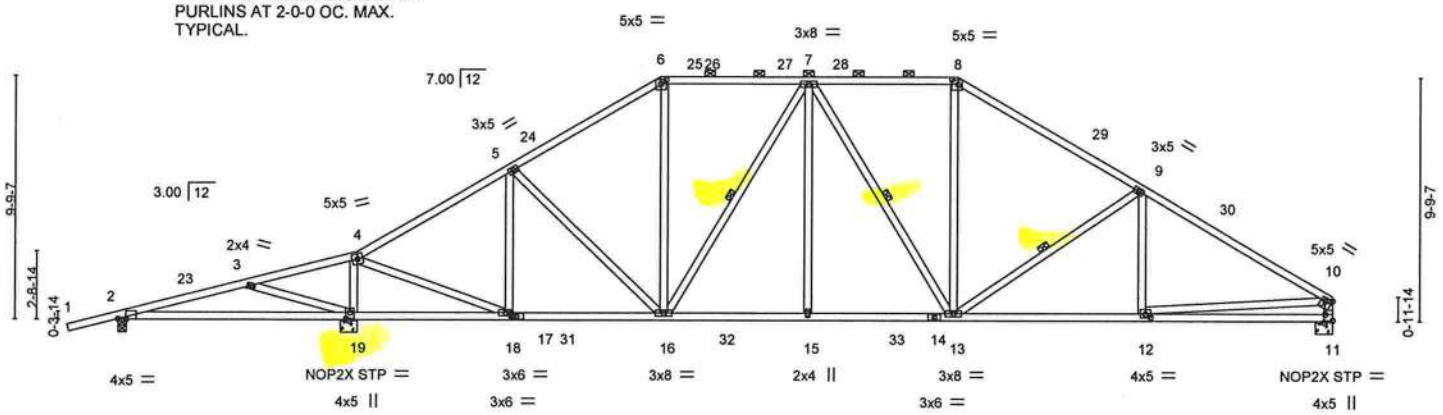
-2-0-0	5-4-8	9-8-0	15-8-8	21-9-0	27-9-0	33-9-0	41-1-12	48-10-0
2-0-0	5-4-8	4-3-8	6-0-8	6-0-8	6-0-0	6-0-0	7-4-12	7-8-4

Scale = 1:87.7

TOP CHORD UNDER PIGGYBACKS TO BE LATERALLY BRACED BY PURLINS AT 2-0-0 OC. MAX. TYPICAL.



9-4-0	9-8-0	15-8-8	21-9-0	27-9-0	33-9-0	41-1-12	48-10-0
9-4-0	0-4-0	6-0-8	6-0-8	6-0-0	6-0-0	7-4-12	7-8-4

Plate Offsets (X,Y)-- [2:0-3-12,Edge], [6:0-2-8,0-2-1], [8:0-3-0,0-2-4], [10:Edge,0-1-12], [11:Edge,0-3-8], [12:0-2-8,0-1-12], [17:0-2-8,0-1-8], [18:0-2-12,0-1-8], [19:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.79	Vert(LL)	-0.13	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.24	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 300 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 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-9-4 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-16, 7-13, 9-13

REACTIONS. (size) 2=0-4-0, 19=0-8-0, 11=0-8-0
Max Horz 2=333(LC 11)
Max Uplift 2=-210(LC 12), 19=-724(LC 12), 11=-516(LC 12)
Max Grav 2=328(LC 21), 19=2338(LC 17), 11=1676(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-388/762, 4-5=-1510/811, 5-6=-1665/1014, 6-7=-1396/964, 7-8=-1650/1071, 8-9=-1967/1105, 9-10=-2444/1162, 10-11=-1551/828
BOT CHORD 18-19=-569/363, 16-18=-525/1429, 15-16=-590/1724, 13-15=-590/1724, 12-13=-883/1998, 11-12=-232/348
WEBS 3-19=-589/425, 4-19=-1882/1062, 4-18=-925/1978, 5-18=-536/420, 6-16=-202/596, 7-16=-601/267, 7-15=0/325, 7-13=-262/133, 8-13=-220/649, 9-13=-598/428, 10-12=-687/1658

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=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 2-10-3, Interior(1) 2-10-3 to 21-9-0, Exterior(2R) 21-9-0 to 26-7-10, Interior(1) 26-7-10 to 33-9-0, Exterior(2R) 33-9-0 to 38-7-10, Interior(1) 38-7-10 to 48-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=210, 19=724, 11=516.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629642
U0138	T3	Piggyback Base	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:50 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-SkKzBPL2ZcynLuQS4SSYnlR2ftvelF2wyd1bKuzr7PV

-2-0-0	5-4-8	9-8-0	15-8-8	21-9-0	27-9-0	33-9-0	41-1-12	48-10-0
2-0-0	5-4-8	4-3-8	6-0-8	6-0-8	6-0-0	6-0-0	7-4-12	7-8-4

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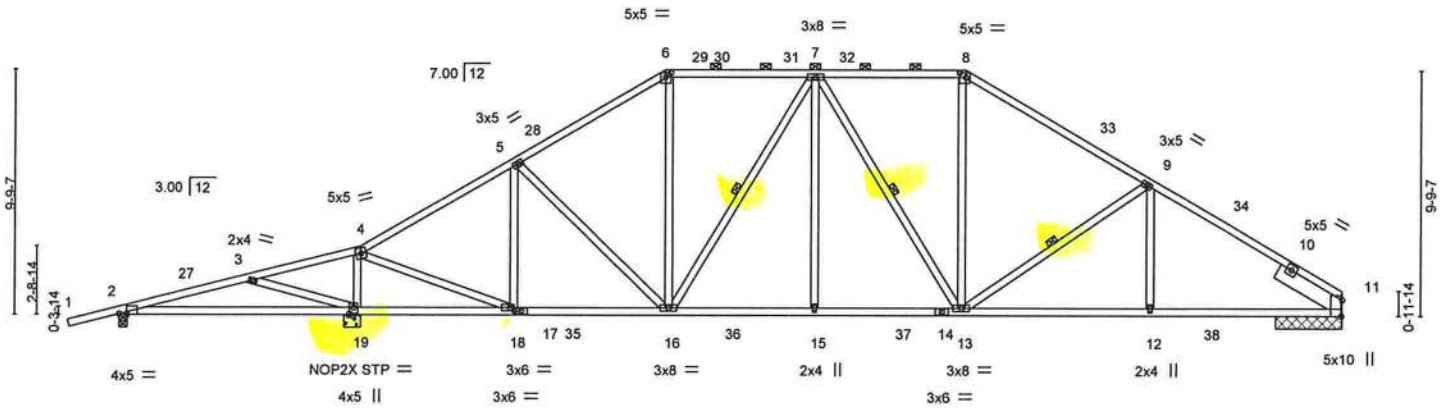

9-4-0	9-8-0	15-8-8	21-9-0	27-9-0	33-9-0	41-1-12	48-10-0
9-4-0	0-4-0	6-0-8	6-0-8	6-0-0	6-0-0	7-4-12	7-8-4

Plate Offsets (X,Y)-- [2:0-3-12,Edge], [6:0-2-8,0-2-1], [8:0-3-0,0-2-4], [11:0-7-13,Edge], [18:0-2-0,0-1-8], [19:0-3-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.19	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	-0.35	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 298 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2D *Except* 8-11: 2x4 SP No.1
BOT CHORD	2x4 SP No.1 *Except* 14-17: 2x4 SP No.2D
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP No.2 -t 3-0-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-8-14 max.): 6-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-16, 7-13, 9-13

REACTIONS. (size) 11=2-8-0, 2=0-4-0, 19=0-8-0
Max Horz 2=303(LC 11)
Max Uplift 11=-518(LC 12), 2=-207(LC 12), 19=-730(LC 12)
Max Grav 11=1705(LC 18), 2=305(LC 21), 19=2391(LC 17)

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

TOP CHORD	2-3=-84/347, 3-4=-372/898, 4-5=-1475/798, 5-6=-1659/1010, 6-7=-1387/970, 7-8=-1673/1075, 8-9=-1980/1110, 9-11=-2469/1201
BOT CHORD	2-19=-291/64, 18-19=-666/372, 16-18=-509/1389, 15-16=-574/1720, 13-15=-574/1720, 12-13=-868/2031, 11-12=-868/2031
WEBS	3-19=-592/425, 4-19=-1933/1060, 4-18=-917/2081, 5-18=-575/417, 5-16=-9/275, 6-16=-201/591, 7-16=-621/272, 7-15=0/319, 8-13=-207/630, 9-13=-582/413, 9-12=0/293

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=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 2-10-3, Interior(1) 2-10-3 to 21-9-0, Exterior(2R) 21-9-0 to 26-7-10, Interior(1) 26-7-10 to 33-9-0, Exterior(2R) 33-9-0 to 38-7-10, Interior(1) 38-7-10 to 48-10-0 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=518, 2=207, 19=730.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629643
U0138	T4	PIGGYBACK BASE	2	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:53 2021 Page 1
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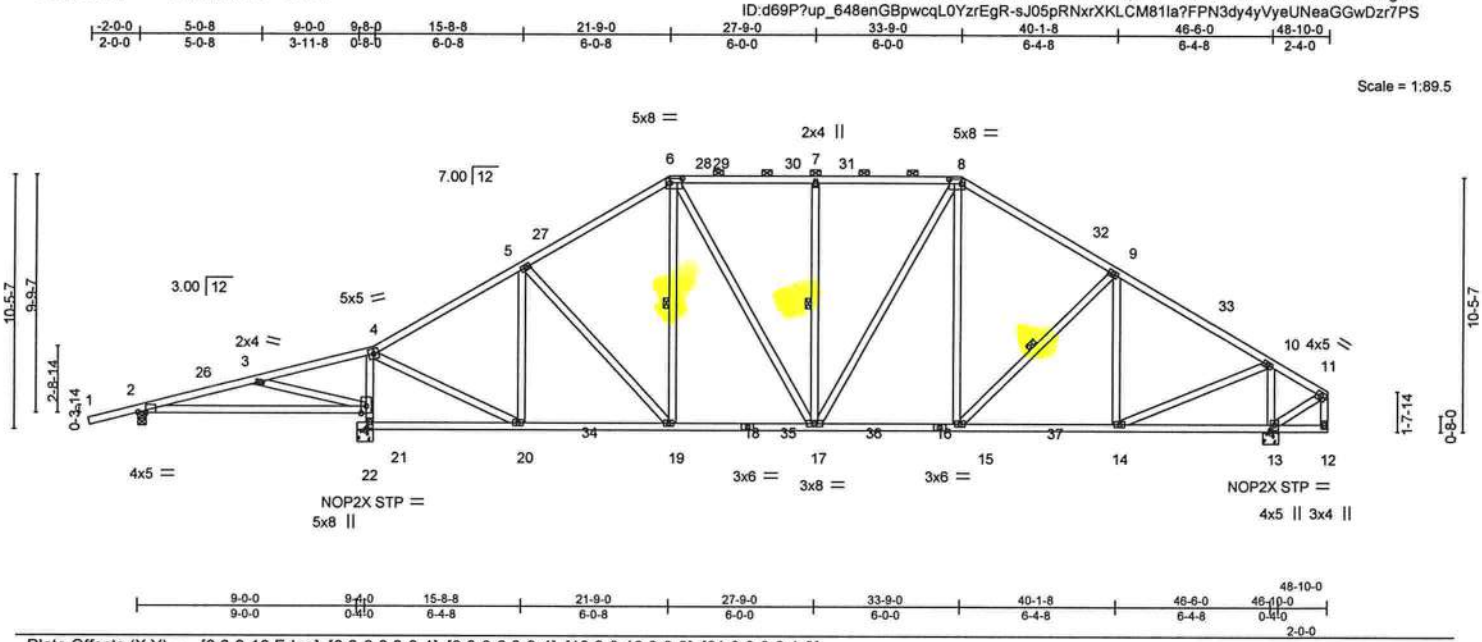

Plate Offsets (X,Y)-- [2:0-3-12,Edge], [6:0-6-0,0-2-4], [8:0-6-0,0-2-4], [13:0-2-12,0-2-0], [21:0-3-0,0-1-8]

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	0.68	Vert(LL)	-0.18	22-25	>630	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.37	22-25	>311	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 318 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 4-6-12 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-11 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-19, 7-17, 9-15

REACTIONS. (size) 2=0-4-0, 13=0-8-0, 21=0-8-0
Max Horz 2=361(LC 11)
Max Uplift 2=-253(LC 12), 13=-558(LC 12), 21=-640(LC 12)
Max Grav 2=411(LC 21), 13=1789(LC 18), 21=2150(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-557/315, 3-4=-214/474, 4-5=-1492/798, 5-6=-1548/966, 6-7=-1475/1008, 7-8=-1475/1008, 8-9=-1651/967, 9-10=-1676/825
BOT CHORD 2-22=-252/435, 19-20=-501/1351, 17-19=-420/1381, 15-17=-432/1340, 14-15=-545/1334
WEBS 3-22=-692/426, 5-20=-471/386, 6-19=-18/252, 6-17=-187/432, 7-17=-368/345, 8-17=-148/349, 8-15=-59/352, 9-14=-345/322, 10-14=-602/1418, 10-13=-1640/921, 21-22=-2065/1014, 4-22=-1776/953, 4-20=-656/1629

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=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 2-10-3, Interior(1) 2-10-3 to 21-9-0, Exterior(2R) 21-9-0 to 26-7-10, Interior(1) 26-7-10 to 33-9-0, Exterior(2R) 33-9-0 to 38-7-10, Interior(1) 38-7-10 to 48-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x5 MT20 unless otherwise indicated.
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 100 lb uplift at joint(s) except (jt=lb) 2=253, 13=558, 21=640.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES T22629644
U0138	T6	Piggyback Base	4	1	Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:54 2021 Page 1
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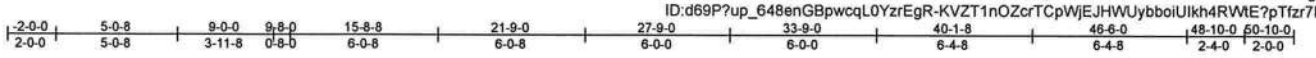

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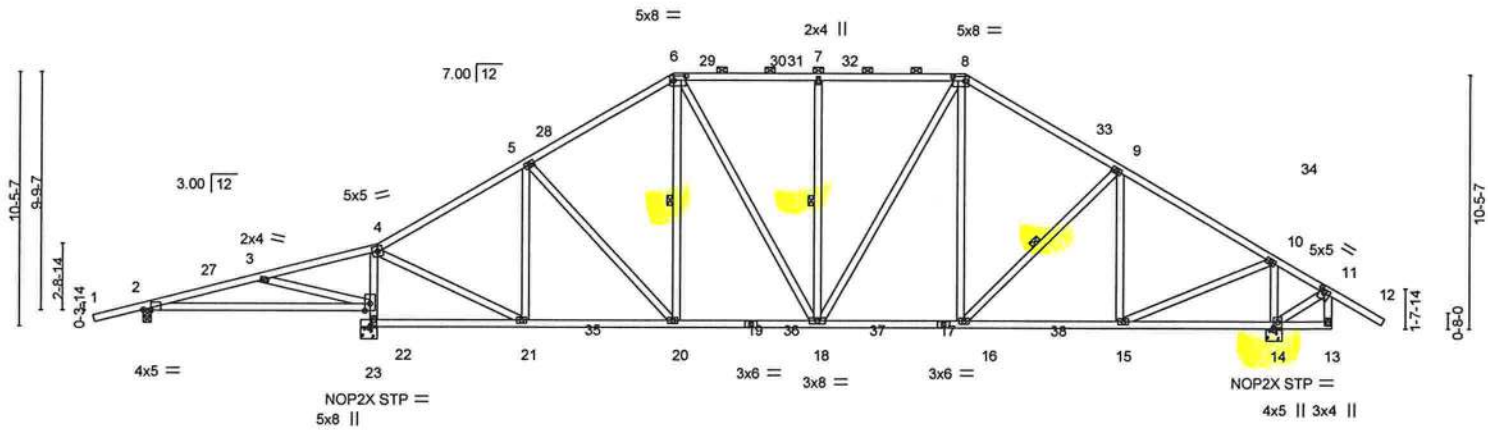

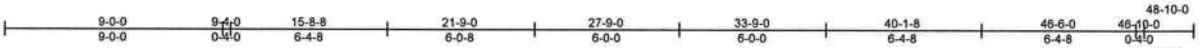

Plate Offsets (X,Y)-- [2:0-3-12,Edge], [6:0-6-0,0-2-4], [8:0-6-0,0-2-4], [11:0-2-4,0-1-12], [14:0-2-12,0-2-0], [22:0-3-0,0-1-8]

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	0.68	Vert(LL)	-0.18	23-26	>630	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.37	23-26	>311	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MS							Weight: 322 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-6 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-20, 7-18, 9-16

REACTIONS. (size) 2=0-4-0, 14=0-8-0, 22=0-8-0
Max Horz 2=372(LC 11)
Max Uplift 2=-272(LC 12), 14=-716(LC 12), 22=-603(LC 12)
Max Grav 2=411(LC 21), 14=1911(LC 18), 22=2152(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-564/368, 3-4=-223/495, 4-5=-1484/815, 5-6=-1536/970, 6-7=-1459/1005, 7-8=-1459/1005, 8-9=-1625/956, 9-10=-1622/794
BOT CHORD 2-23=-229/440, 20-21=-401/1362, 18-20=-296/1394, 16-18=-275/1348, 15-16=-376/1304, 14-15=-142/336
WEBS 3-23=-692/425, 5-21=-475/344, 6-20=-45/253, 6-18=-174/420, 7-18=-368/345, 8-18=-179/353, 8-16=-43/329, 9-15=-387/375, 10-15=-738/1515, 10-14=-1694/968, 11-14=-88/269, 22-23=-2067/960, 4-23=-1777/900, 4-21=-565/1638

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=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 2-10-3, Interior(1) 2-10-3 to 21-9-0, Exterior(2R) 21-9-0 to 26-7-10, Interior(1) 26-7-10 to 33-9-0, Exterior(2R) 33-9-0 to 38-7-10, Interior(1) 38-7-10 to 50-10-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x5 MT20 unless otherwise indicated.
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 100 lb uplift at joint(s) except (jt=lb) 2=272, 14=716, 22=603.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629645
U0138	T7	GABLE	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:38:01 2021 Page 1
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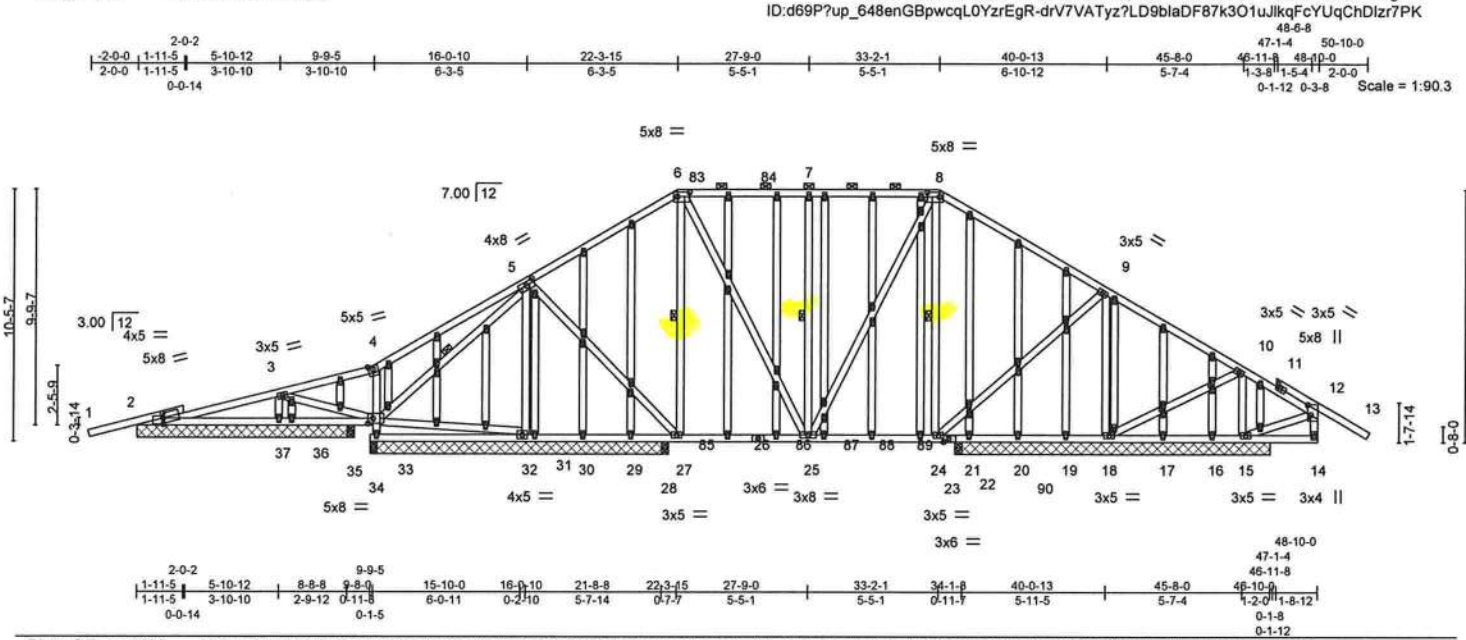

Plate Offsets (X,Y)-- [2:0-0-4,0-2-6], [2:0-0-0,0-3-0], [5:0-4-0,0-1-12], [6:0-6-0,0-2-4], [8:0-6-0,0-2-4], [11:0-2-0,0-1-8], [12:0-5-0,0-1-8], [18:0-1-11,0-1-0], [23:0-2-8,0-1-8], [34:0-2-8,0-2-8], [75:0-1-15,0-1-0], [77:0-1-15,0-1-0]

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	0.49	Vert(LL)	-0.04	25-27	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.07	32-33	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 515 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-27, 7-25, 8-24, 5-34

REACTIONS. All bearings 13-0-0 except (jt=length) 2=9-0-0, 37=9-0-0, 32=12-4-0, 29=12-4-0, 30=12-4-0, 31=12-4-0, 36=9-0-0, 35=0-3-8, 33=0-3-8, 33=0-3-8, 28=0-3-8, 22=0-3-8, 2=9-0-0.
(lb) - Max Horz 2=381(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 2=-304(LC 28), 37=-134(LC 28), 32=-146(LC 8), 18=-375(LC 8), 15=-396(LC 8), 29=-169(LC 36), 31=-479(LC 3), 36=-288(LC 39), 21=-533(LC 37), 33=-266(LC 8), 28=-251(LC 8), 22=-405(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 29, 30, 36, 20, 19, 17, 16, 35 except 2=407(LC 17), 37=727(LC 16), 32=1357(LC 36), 18=870(LC 37), 15=635(LC 25), 21=284(LC 8), 33=359(LC 24), 33=352(LC 1), 28=546(LC 36), 22=799(LC 37), 2=407(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-502/349, 6-7=-533/430, 7-8=-533/430, 8-9=-530/342, 10-12=-192/325
BOT CHORD 25-27=-105/422, 24-25=-52/417, 17-18=-272/339, 16-17=-272/339, 15-16=-272/339
WEBS 3-37=-286/144, 5-32=-797/328, 5-27=-2/337, 6-27=-407/160, 6-25=-141/407, 7-25=-329/218, 8-25=-135/350, 8-24=-373/178, 9-24=-102/485, 9-18=-891/458, 10-18=-129/284, 33-34=-315/300, 10-15=-461/297, 12-15=-242/284

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=49ft; eave=6ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 2=304, 37=134, 32=146, 18=375, 15=396, 29=169, 31=479, 36=288, 21=533, 33=266, 28=251, 22=405, 2=304.

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Date: January 28,2021

Continued on page 2

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Tampa, FL 36610

NOTES-

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 47 lb down and 27 lb up at 23-4-12, 47 lb down and 27 lb up at 25-4-12, 47 lb down and 27 lb up at 27-4-12, 47 lb down and 27 lb up at 29-4-12, and 47 lb down and 27 lb up at 31-4-12, and 47 lb down and 27 lb up at 33-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-81=-54, 2-4=-54, 4-6=-54, 6-8=-54, 8-12=-54, 12-13=-54, 34-80=-20, 14-33=-20
   Concentrated Loads (lb)
   Vert: 26=1(F) 23=1(F) 85=1(F) 86=1(F) 87=1(F) 89=1(F)

Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629646
U0138	T8	Hip Girder	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:38:02 2021 Page 1
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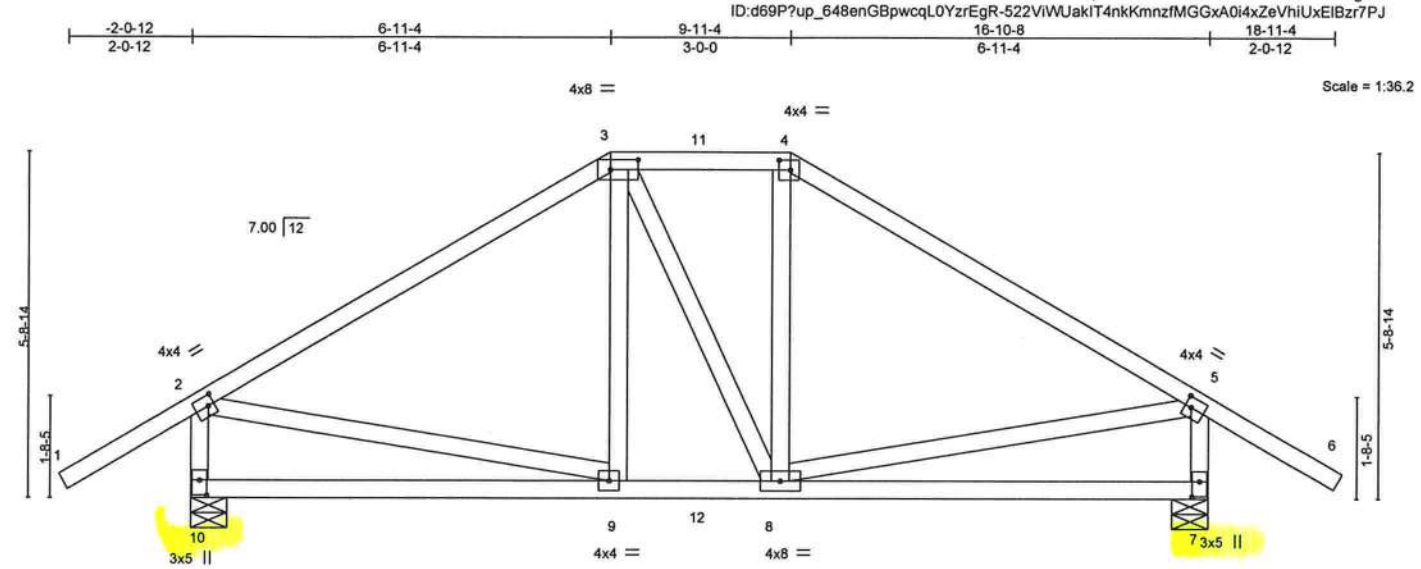

Plate Offsets (X,Y)-- [2:0-1-4,0-2-0], [3:0-5-8,0-2-0], [4:0-2-4,0-2-0], [5:0-1-4,0-2-0], [7:0-3-0,0-1-8], [10:0-3-0,0-1-8]

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	0.60	Vert(LL)	-0.06	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.46	Vert(CT)	-0.13	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.85	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 109 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-6-3 oc bracing.

REACTIONS. (size) 10=0-7-4, 7=0-7-4
Max Horz 10=-253(LC 6)
Max Uplift 10=-938(LC 8), 7=-936(LC 8)
Max Grav 10=1298(LC 29), 7=1295(LC 30)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1462/1075, 3-4=-1208/1001, 4-5=-1461/1075, 2-10=-1229/975, 5-7=-1225/973
BOT CHORD 9-10=-214/321, 8-9=-877/1292
WEBS 3-9=-88/357, 4-8=-108/366, 2-9=-896/1177, 5-8=-900/1178

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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=938, 7=936.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 284 lb down and 362 lb up at 6-11-4, and 174 lb down and 186 lb up at 8-5-4, and 284 lb down and 362 lb up at 9-11-4 on top chord, and 389 lb down and 300 lb up at 6-11-4, and 82 lb down and 27 lb up at 8-5-4, and 389 lb down and 300 lb up at 9-10-8 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 3-4=-54, 4-5=-54, 5-6=-54, 7-10=-20
Concentrated Loads (lb)
Vert: 3=-149(F) 4=-149(F) 9=-262(F) 8=-262(F) 11=-99(F) 12=-50(F)

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629647
U0138	T9	Common	2	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:38:03 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-ZEctwsVCVcbwOuvyKgAbpUTOo6O0lDLrx8hnHezr7PI

-2-0-12	4-4-6	8-5-4	12-6-2	16-10-8	18-11-4
2-0-12	4-4-6	4-0-14	4-0-14	4-4-6	2-0-12

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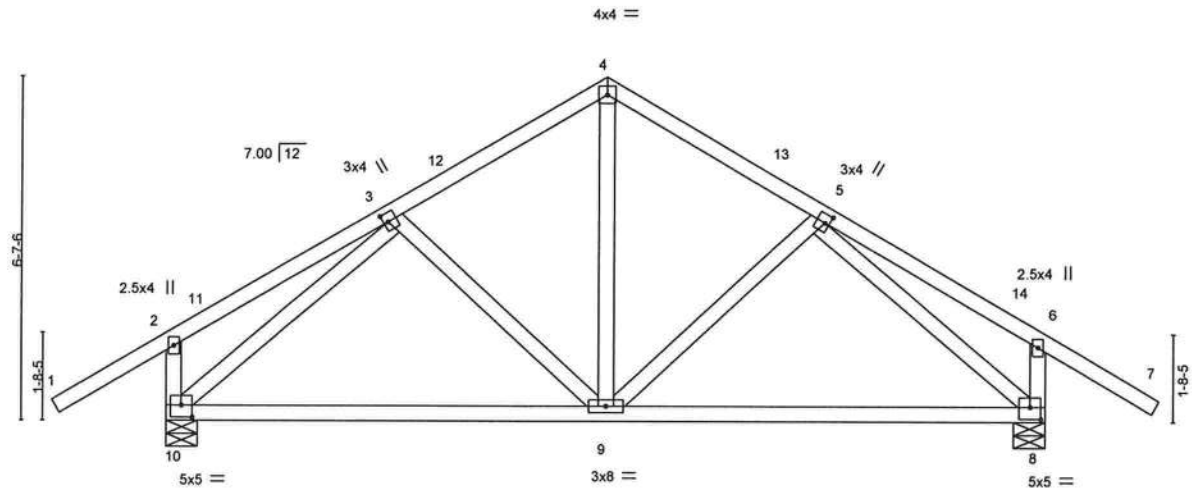

8-5-4	16-10-8
8-5-4	8-5-4

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

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	0.40	Vert(LL)	-0.08	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.17	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 106 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 10-0-0 oc bracing.

REACTIONS. (size) 10=0-7-4, 8=0-7-4
Max Horz 10=-281(LC 10)
Max Uplift 10=-370(LC 12), 8=-370(LC 12)
Max Grav 10=737(LC 1), 8=737(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-544/295, 4-5=-543/295, 2-10=-278/299, 6-8=-278/299
BOT CHORD 9-10=-145/551, 8-9=-108/505
WEBS 4-9=-107/348, 3-10=-595/248, 5-8=-595/248

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) -2-1-10 to 0-10-6, Interior(1) 0-10-6 to 8-5-4, Exterior(2R) 8-5-4 to 11-5-4, Interior(1) 11-5-4 to 19-0-2 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 10=370, 8=370.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629648
U0138	T10	Common Supported Gable	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:28 2021 Page 1
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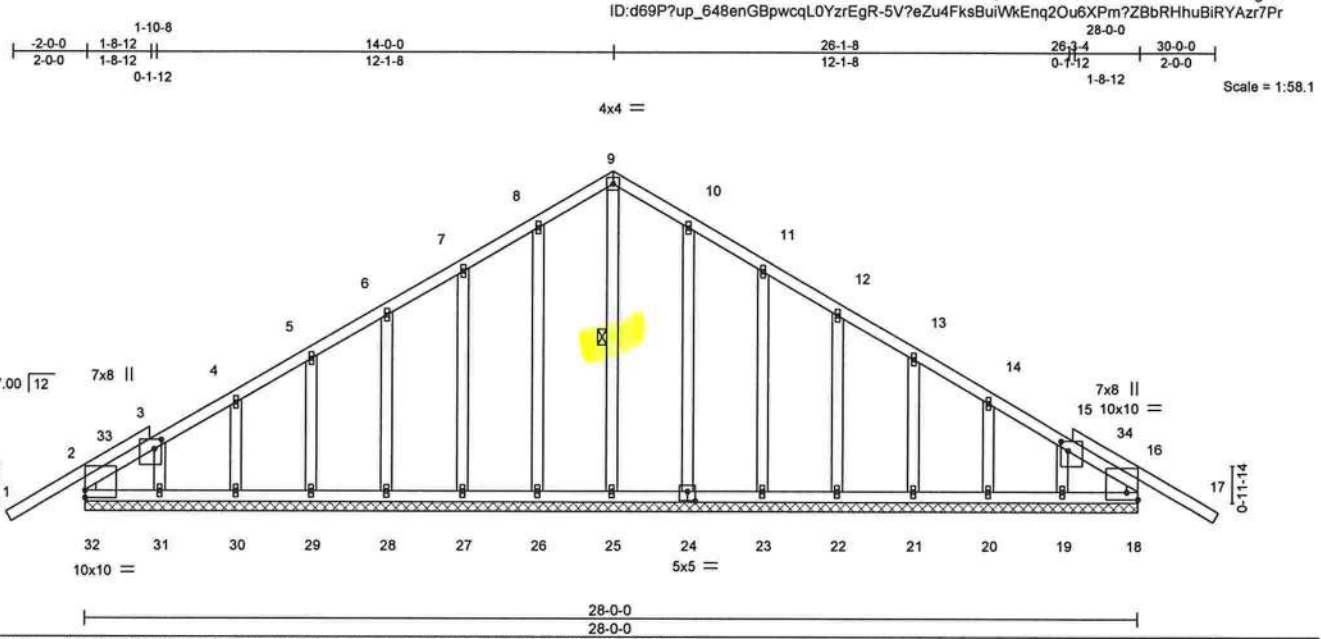

Plate Offsets (X,Y)-- [3:0-3-0,0-2-4], [15:0-3-0,0-2-4], [16:Edge,0-2-6], [24:0-2-8,0-3-0], [32:0-0-0,0-2-6]

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)	-0.02	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.04	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-R							Weight: 191 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-25

REACTIONS. All bearings 28-0-0.
(lb) - Max Horz 32=-329(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19 except 32=-184(LC 12), 18=-184(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 32, 18, 25, 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-32=-228/268, 7-8=-181/295, 8-9=-223/366, 9-10=-223/366, 10-11=-181/295, 16-18=-228/268
WEBS 9-25=-256/119

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=28ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-14 to 0-11-2, Exterior(2N) 0-11-2 to 14-0-0, Corner(3R) 14-0-0 to 17-0-0, Exterior(2N) 17-0-0 to 30-0-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19 except (jt=lb) 32=184, 18=184.

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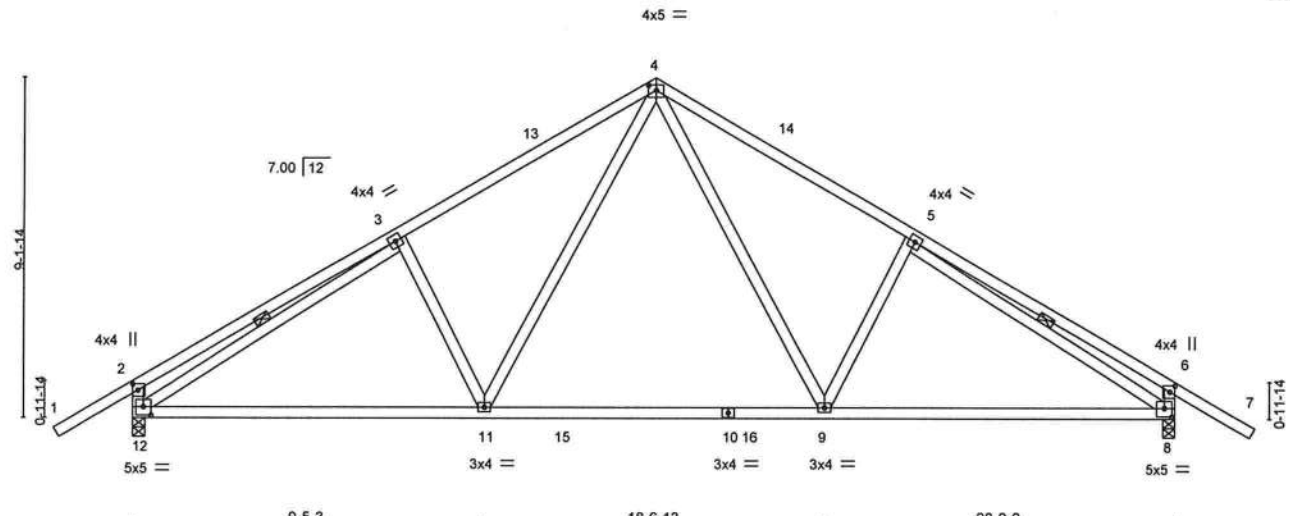
Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629649
U0138	T11	Common	8	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:29 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-ZhZ0nE5tV9JlJgJQLXZdRJ3X4Pj6Kqgr7rS_4czr7Pq

-2-0-0	7-1-12	14-0-0	20-10-4	28-0-0	30-0-0
2-0-0	7-1-12	6-10-4	6-10-4	7-1-12	2-0-0

Scale = 1:58.7



9-5-3	18-6-13	28-0-0
9-5-3	9-1-11	9-5-3

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [4:0-2-8,0-1-12], [6:0-2-0,0-1-12], [8:0-2-8,0-2-12], [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	0.61	Vert(LL)	-0.22	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.31	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 167 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 4-4-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 5-8

REACTIONS. (size) 12=0-4-0, 8=0-4-0
Max Horz 12=-349(LC 10)
Max Uplift 12=-517(LC 12), 8=-517(LC 12)
Max Grav 12=1302(LC 17), 8=1302(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-527/255, 3-4=-1487/627, 4-5=-1487/627, 5-6=-528/255, 2-12=-520/356, 6-8=-520/356
BOT CHORD 11-12=-321/1497, 9-11=-72/1026, 8-9=-297/1285
WEBS 4-9=-208/729, 5-9=-314/338, 4-11=-208/729, 3-11=-314/338, 3-12=-1182/431, 5-8=-1181/431

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=28ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-14 to 0-11-2, Interior(1) 0-11-2 to 14-0-0, Exterior(2R) 14-0-0 to 17-0-0, Interior(1) 17-0-0 to 30-0-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 12=517, 8=517.

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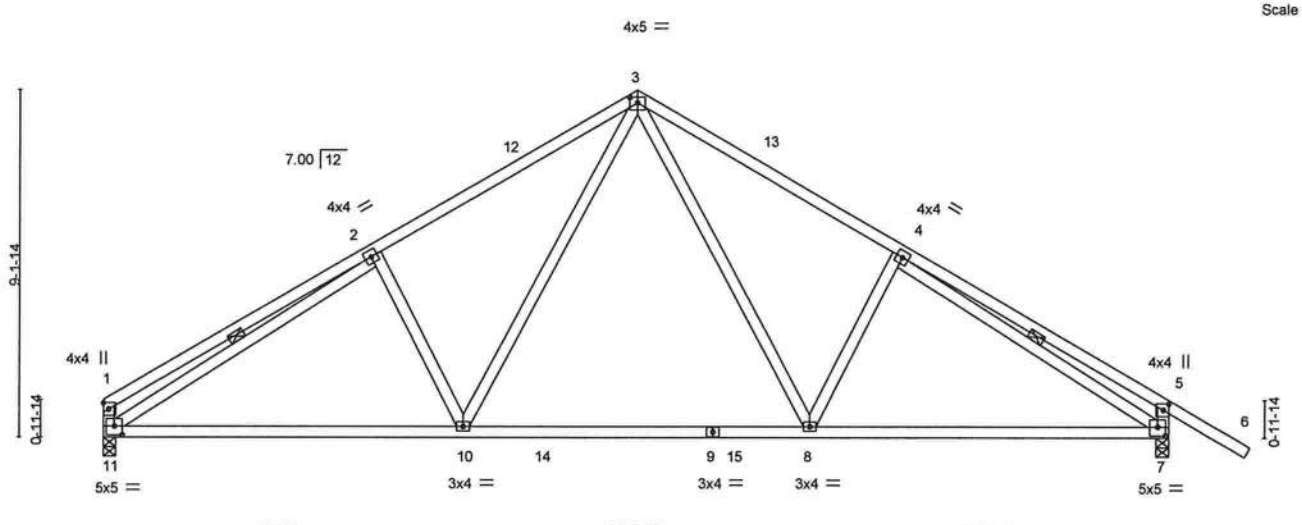
Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629650
U0138	T12	Common	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:30 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-1u7P_Z5VGTRcxqucvF5szXcirp3K3Gt_LVBYc2zr7Pp

7-1-12	14-0-0	20-10-4	28-0-0	30-0-0
7-1-12	6-10-4	6-10-4	7-1-12	2-0-0

Scale = 1:57.4



9-5-3	18-6-13	28-0-0
9-5-3	9-1-11	9-5-3

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

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	0.61	Vert(LL)	-0.22	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.31	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.05	7	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 163 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 4-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-11, 4-7

REACTIONS. (size) 11=0-4-0, 7=0-4-0
Max Horz 11=-339(LC 10)
Max Uplift 11=-371(LC 12), 7=-522(LC 12)
Max Grav 11=1186(LC 17), 7=1304(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-509/226, 2-3=-1508/652, 3-4=-1491/637, 4-5=-527/255, 1-11=-395/222, 5-7=-520/356
BOT CHORD 10-11=-336/1522, 8-10=-76/1032, 7-8=-304/1290
WEBS 3-8=-208/729, 4-8=-314/338, 3-10=-221/750, 2-10=-322/352, 2-11=-1198/401, 4-7=-1189/436

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=28ft; 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 14-0-0, Exterior(2R) 14-0-0 to 17-0-0, Interior(1) 17-0-0 to 30-0-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 11=371, 7=522.

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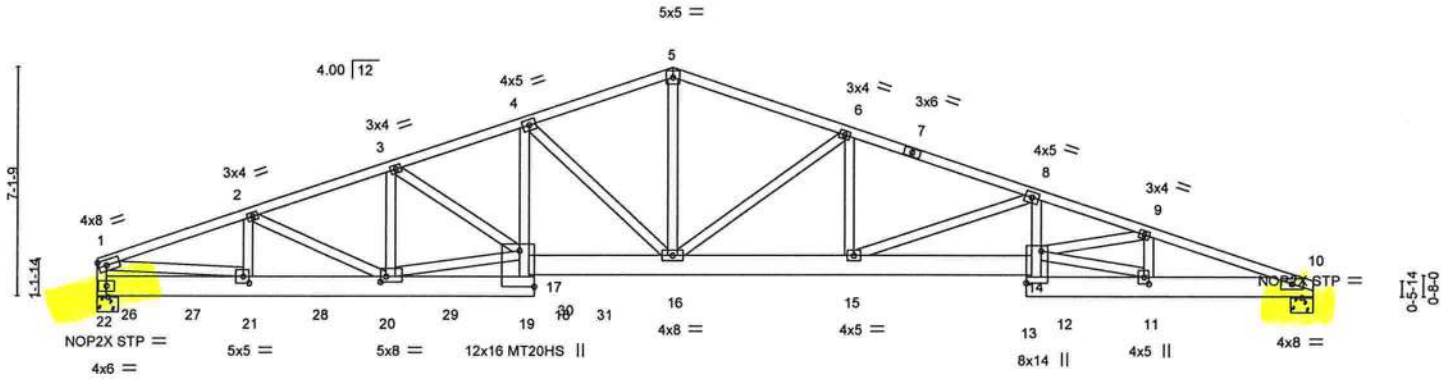
Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629651
U0138	T13	ROOF SPECIAL GIRDER	1	3	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:32 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-zGE9PF7mo4hKA71?0g7K3yh2zcnAX7YHppgehxzr7Pn

4-8-13	9-2-3	13-7-8	17-11-0	23-5-2	28-11-4	32-9-0	37-10-0
4-8-13	4-5-5	4-5-5	4-3-8	5-6-2	5-6-2	3-9-12	5-1-0

Scale = 1:68.0



4-8-13	9-2-3	13-7-8	17-11-0	23-5-2	28-11-4	32-9-0	37-10-0
4-8-13	4-5-5	4-5-5	4-3-8	5-6-2	5-6-2	3-9-12	5-1-0

Plate Offsets (X,Y)-- [11:0-2-8,0-1-12], [12:Edge,0-5-8], [19:Edge,0-5-8], [20:0-2-0,0-2-0], [21:0-2-4,0-2-8]

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	0.63	Vert(LL)	0.30	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.45	16-17	>996	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.13	10	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MS							Weight: 824 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x8 SP No.1D *Except*
4-19,8-12: 2x4 SP No.2D
WEBS 2x4 SP No.3 *Except*
17-20,1-22,1-21: 2x4 SP No.2D

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 17-19, 12-14

REACTIONS. (size) 22=0-8-0, 10=0-8-0
Max Horz 22=-159(LC 23)
Max Uplift 22=-2486(LC 8), 10=-1021(LC 8)
Max Grav 22=6494(LC 1), 10=2728(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-11080/4251, 2-3=-10953/4232, 3-4=-10767/4161, 4-5=-7082/2787, 5-6=-7106/2785, 6-8=-8046/3081, 8-9=-10853/4092, 9-10=-7362/2770, 1-22=-5131/1999
BOT CHORD 21-22=-572/1505, 20-21=-3951/10456, 19-20=-672/1783, 17-19=-456/1287, 4-17=-1612/4365, 16-17=-3759/10249, 15-16=-2737/7592, 14-15=-3845/10450, 12-14=-137/461, 8-14=-570/1761, 11-12=-641/1688, 10-11=-2570/6948
WEBS 2-21=-394/379, 2-20=-206/252, 3-20=-535/451, 17-20=-3284/8813, 3-17=-412/421, 4-16=-4897/1929, 5-16=-1570/4186, 6-16=-1126/473, 6-15=-135/641, 8-15=-3048/1181, 11-14=-2006/5467, 9-14=-1225/3395, 9-11=-1996/807, 1-21=-3424/9069

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc, 2x4 - 1 row 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=38ft; eave=5ft; 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) All plates are MT20 plates unless otherwise indicated.
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.
8) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=2486, 10=1021.

Continued on page 2

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NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 803 lb down and 318 lb up at 0-11-4, 801 lb down and 320 lb up at 2-11-4, 801 lb down and 320 lb up at 4-11-4, 801 lb down and 320 lb up at 6-11-4, 801 lb down and 320 lb up at 8-11-4, 801 lb down and 320 lb up at 10-11-4, and 801 lb down and 320 lb up at 12-11-4, and 812 lb down and 319 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-5=-54, 5-10=-54, 19-22=-20, 18-19=-20, 14-17=-20, 12-13=-20, 12-23=-20
   Concentrated Loads (lb)
   Vert: 21=-801(F) 20=-801(F) 26=-803(F) 27=-801(F) 28=-801(F) 29=-801(F) 30=-801(F) 31=-812(F)

Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629652
U0138	T14	Roof Special	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:33 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-RToXdb8OZOpBoHcBaNeZb9EDp02JGWRQ1TQCDNzr7Pm

6-11-8	13-7-8	17-11-0	23-5-2	28-11-4	33-2-10	37-10-0	39-10-0
6-11-8	6-8-0	4-3-8	5-6-2	5-6-2	4-3-6	4-7-6	2-0-0

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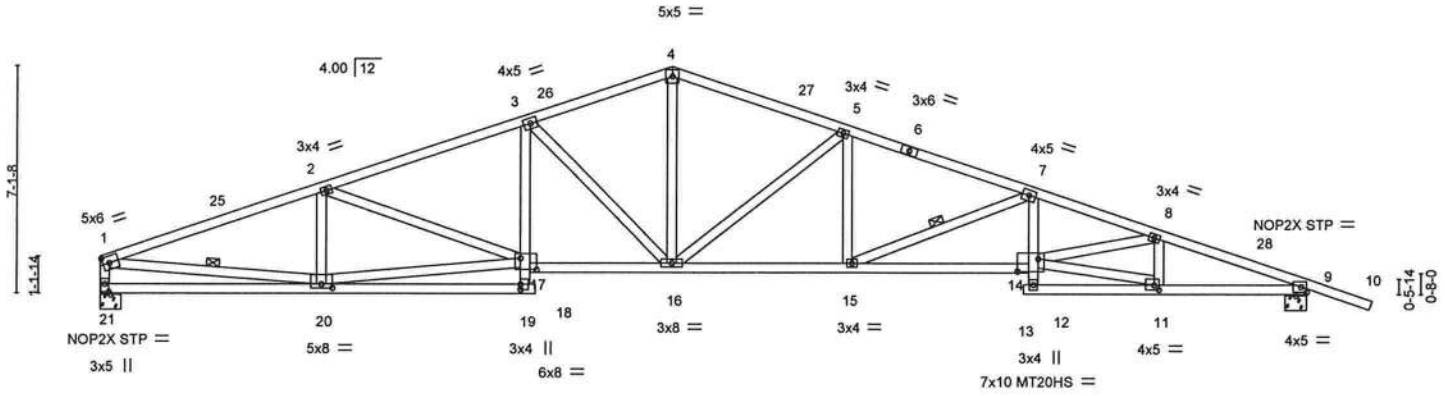

6-11-8	13-7-8	17-11-0	23-5-2	28-11-4	33-2-10	37-10-0
6-11-8	6-8-0	4-3-8	5-6-2	5-6-2	4-3-6	4-7-6

Plate Offsets (X,Y)-- [1:0-2-8,0-2-8], [11:0-1-12,0-1-12], [14:0-7-12,0-4-12], [17:0-6-0,0-4-4], [19:0-2-0,0-0-0], [20:0-4-0,0-1-8], [21:0-3-0,0-1-8]

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	0.63	Vert(LL)	0.37	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.61	14-15	>745	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.19	9	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 221 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
3-19,7-12: 2x4 SP No.3, 9-13: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
11-14: 2x4 SP No.2D

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
10-0-0 oc bracing: 17-19, 12-14
WEBS 1 Row at midpt 7-15, 1-20

REACTIONS. (size) 21=0-8-0, 9=0-8-0
Max Horz 21=-182(LC 10)
Max Uplift 21=-505(LC 12), 9=-641(LC 12)
Max Grav 21=1397(LC 1), 9=1515(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2720/1421, 2-3=-2882/1561, 3-4=-2308/1340, 4-5=-2317/1322, 5-7=-3124/1675, 7-8=-4342/2229, 8-9=-3359/1696, 1-21=-1320/770
BOT CHORD 20-21=-62/339, 19-20=-112/317, 3-17=-124/442, 16-17=-1193/2699, 15-16=-1334/2920, 14-15=-1999/4187, 7-14=-206/629, 11-12=-200/390, 9-11=-1511/3128
WEBS 2-20=-482/399, 17-20=-1088/2230, 3-16=-778/480, 4-16=-584/1190, 5-16=-981/583, 5-15=-145/546, 7-15=-1366/717, 11-14=-1340/2798, 8-14=-481/999, 8-11=-655/413, 1-20=-1140/2301

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=38ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-11-2, Interior(1) 3-11-2 to 17-11-0, Exterior(2R) 17-11-0 to 21-8-6, Interior(1) 21-8-6 to 39-10-9 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=505, 9=641.

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January 28,2021

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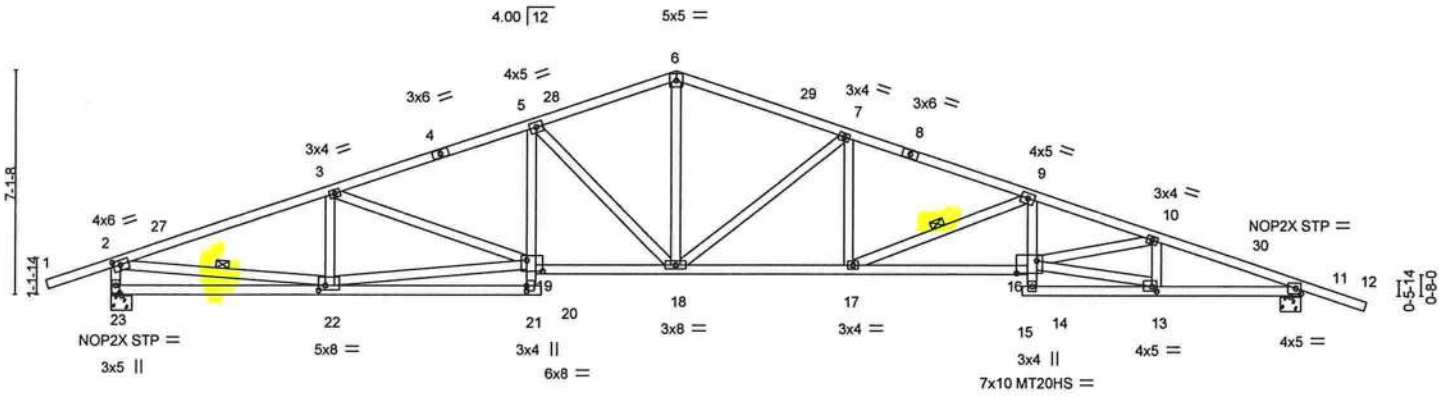
Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629653
U0138	T15	Roof Special	3	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:34 2021 Page 1
ID:d69P?up_648enGBpwcqL0YzrEgR-wfMvqx80Kix2QRBO849o8NmObQOb?zhaG79llpzr7PI

-2-0-0	6-11-8	13-7-8	17-11-0	23-5-2	28-11-4	33-2-10	37-10-0	39-10-0
2-0-0	6-11-8	6-8-0	4-3-8	5-6-2	5-6-2	4-3-6	4-7-6	2-0-0

Scale = 1:69.3



6-11-8	13-7-8	17-11-0	23-5-2	28-11-4	33-2-10	37-10-0
6-11-8	6-8-0	4-3-8	5-6-2	5-6-2	4-3-6	4-7-6

Plate Offsets (X,Y)-- [2:0-2-12,0-1-12], [13:0-1-12,0-1-12], [16:0-7-12,0-4-12], [19:0-6-0,0-4-4], [21:0-2-0,0-0-0], [22:0-2-8,0-1-12], [23:0-3-0,0-1-8]

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	0.63	Vert(LL)	0.36	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.60	16-17	>750	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.19	11	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 224 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
5-21,9-14: 2x4 SP No.3, 11-15: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
13-16,10-16: 2x4 SP No.2D

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
10-0-0 oc bracing: 19-21, 14-16
WEBS 1 Row at midpt 9-17, 2-22

REACTIONS. (size) 23=0-8-0, 11=0-8-0
Max Horz 23=-179(LC 10)
Max Uplift 23=-647(LC 12), 11=-637(LC 12)
Max Grav 23=1519(LC 1), 11=1511(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2681/1378, 3-5=-2864/1535, 5-6=-2297/1318, 6-7=-2305/1311, 7-9=-3112/1652, 9-10=-4331/2205, 10-11=-3348/1678, 2-23=-1442/971
BOT CHORD 22-23=-89/339, 21-22=-107/311, 5-19=-106/437, 18-19=-1166/2682, 17-18=-1313/2908, 16-17=-1974/4174, 9-16=-203/627, 13-14=-197/385, 11-13=-1494/3117
WEBS 3-22=-472/387, 19-22=-1036/2192, 3-19=-46/254, 5-18=-770/475, 6-18=-578/1185, 7-18=-981/583, 7-17=-144/546, 9-17=-1365/713, 13-16=-1326/2792, 10-16=-480/999, 10-13=-654/410, 2-22=-1134/2267

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=38ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-9 to 1-8-14, Interior(1) 1-8-14 to 17-11-0, Exterior(2R) 17-11-0 to 21-8-6, Interior(1) 21-8-6 to 39-10-9 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=647, 11=637.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629654
U0138	T16	Common Supported Gable	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:36 2021 Page 1
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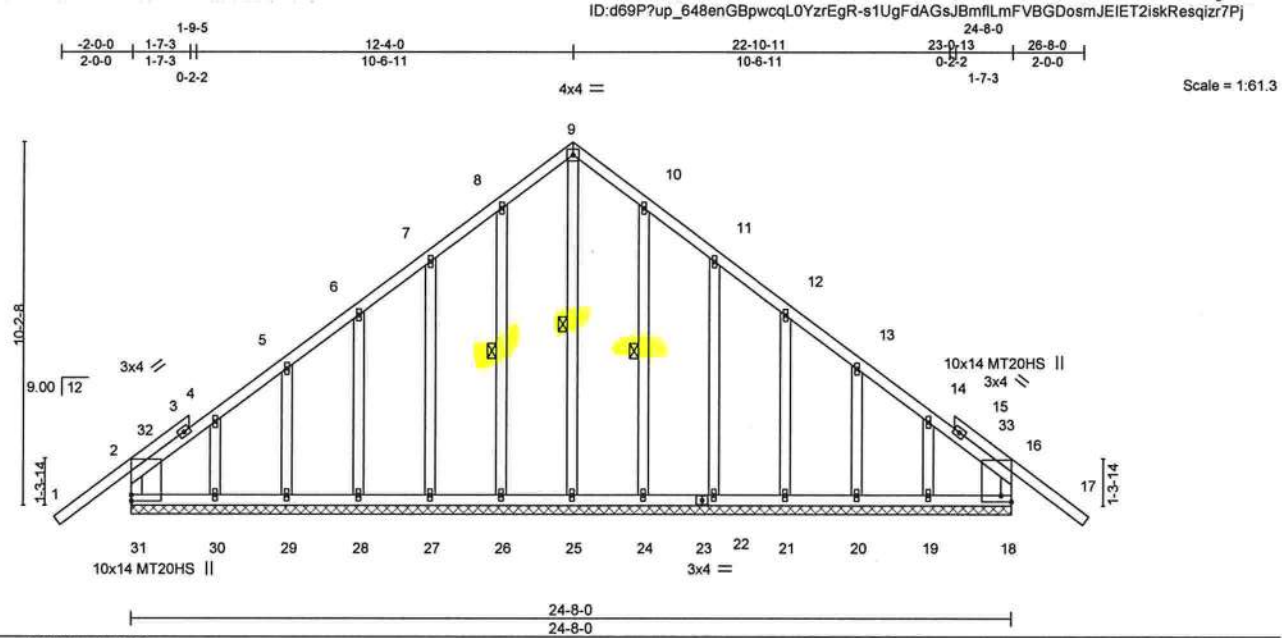

Plate Offsets (X,Y)-- [16:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.48	Vert(LL)	-0.03	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.04	17	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-R							Weight: 190 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-25, 8-26, 10-24

REACTIONS. All bearings 24-8-0.
(lb) - Max Horz 31=400(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 26, 24 except 31=-198(LC 12), 18=-198(LC 12), 27=-120(LC 12), 28=-106(LC 12), 29=-110(LC 12), 30=-117(LC 9), 22=-120(LC 12), 21=-106(LC 12), 20=-110(LC 12), 19=-106(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 18, 26, 27, 28, 29, 30, 24, 22, 21, 20, 19 except 31=278(LC 18), 25=440(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-31=-227/321, 6-7=-163/294, 7-8=-229/409, 8-9=-283/499, 9-10=-283/499, 10-11=-229/409, 11-12=-163/294, 16-18=-227/321
WEBS 9-25=-475/226

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=25ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-1-1 to 0-10-15, Exterior(2N) 0-10-15 to 12-4-0, Corner(3R) 12-4-0 to 15-4-0, Exterior(2N) 15-4-0 to 26-9-1 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 MT20 plates unless otherwise indicated.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 24 except (jt=lb) 31=198, 18=198, 27=120, 28=106, 29=110, 30=117, 22=120, 21=106, 20=110, 19=106.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629655
U0138	T17	Attic	6	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:37 2021 Page 1
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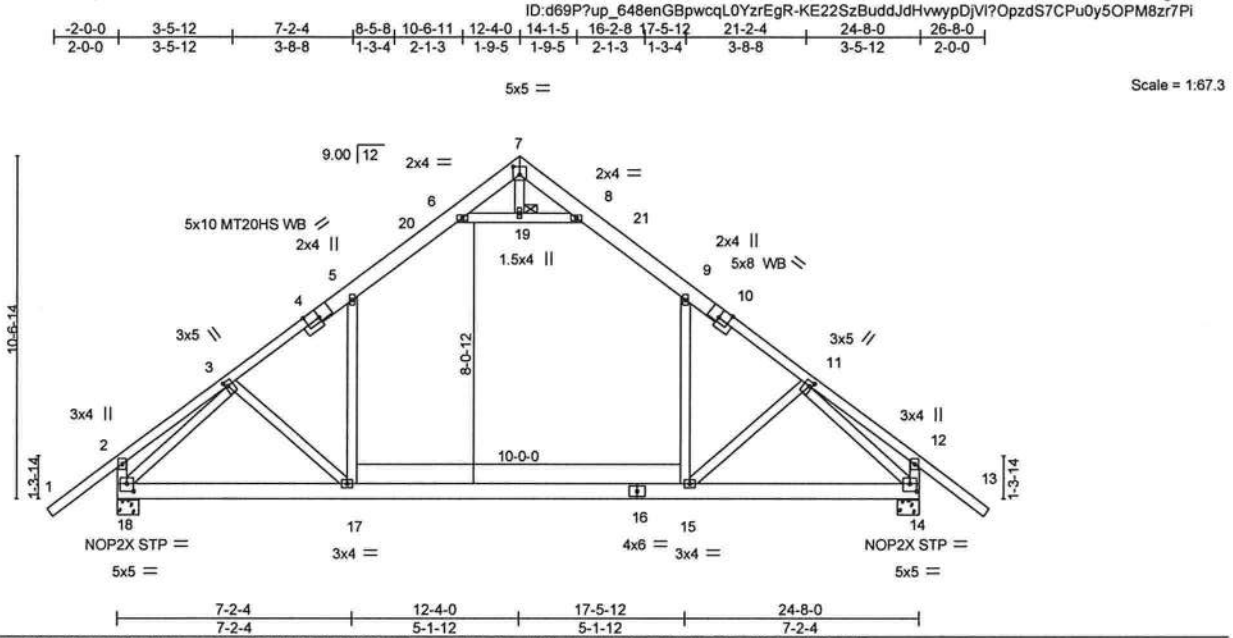

Plate Offsets (X,Y)-- [3:0-1-12,0-1-0], [4:0-5-0,Edge], [7:0-2-8,0-3-0], [10:0-4-0,Edge], [11:0-1-12,0-1-0], [14:0-2-8,0-2-12], [18:0-2-8,0-2-12]

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	1.00	Vert(LL)	-0.36	15-17	>806	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.58	15-17	>501	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.02	14	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS		Attic	-0.24	15-17	519	360	Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-4,10-13: 2x4 SP No.1
BOT CHORD 2x6 SP No.2 *Except*
16-18: 2x6 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 19

REACTIONS. (size) 14=0-8-0, 18=0-8-0
Max Horz 18=415(LC 11)
Max Uplift 14=-441(LC 12), 18=-441(LC 12)
Max Grav 14=1211(LC 19), 18=1211(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-1344/377, 5-6=-908/422, 6-7=-86/498, 7-8=-87/498, 8-9=-907/421, 9-11=-1338/377, 2-18=-189/254, 12-14=-190/253
BOT CHORD 17-18=-139/1195, 15-17=0/1052, 14-15=-103/1002
WEBS 9-15=0/616, 5-17=0/625, 6-19=-1501/617, 8-19=-1501/617, 3-18=-1503/355, 11-14=-1497/357

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=25ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-1-1 to 0-10-15, Interior(1) 0-10-15 to 12-4-0, Exterior(2R) 12-4-0 to 15-4-0, Interior(1) 15-4-0 to 26-9-1 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=441, 18=441.
8) Attic room checked for L/360 deflection.

Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
January 28,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629656
U0138	T18	Attic	5	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:38 2021 Page 1
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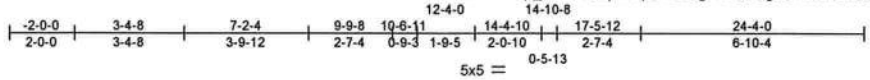

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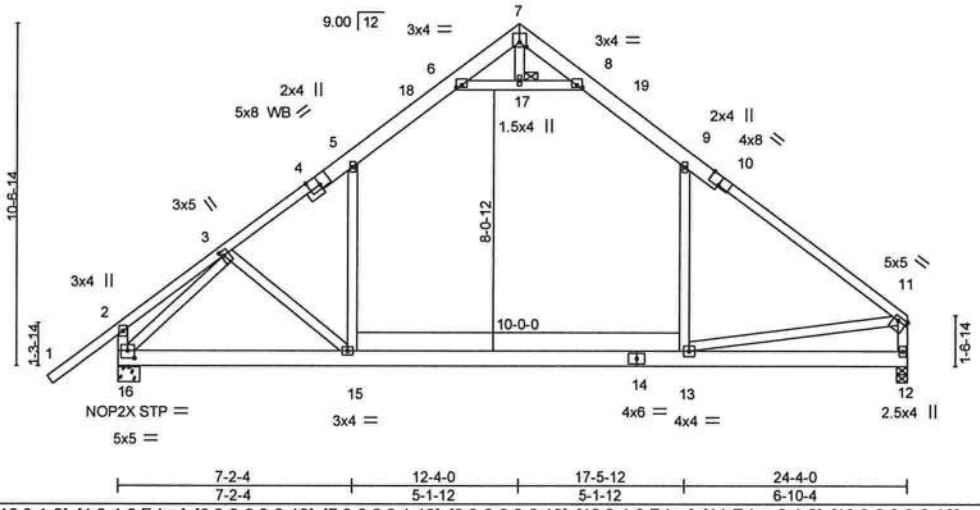

Plate Offsets (X,Y)-- [3:0-1-12,0-1-0], [4:0-4-0,Edge], [6:0-2-0,0-0-12], [7:0-2-8,0-1-12], [8:0-2-0,0-0-12], [10:0-4-0,Edge], [11:Edge,0-1-8], [16:0-2-8,0-2-12]

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	0.90	Vert(LL)	-0.36	13-15	>793	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.59	13-15	>485	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS		Attic	-0.24	13-15	520	360	Weight: 171 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.1 *Except* 10-11,1-4: 2x4 SP No.1
BOT CHORD	2x6 SP No.1 *Except* 12-14: 2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 17

REACTIONS. (size) 12=0-4-0, 16=0-8-0
Max Horz 16=406(LC 11)
Max Uplift 12=-289(LC 12), 16=-443(LC 12)
Max Grav 12=1081(LC 19), 16=1199(LC 18)

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

TOP CHORD	3-5=-1357/390, 5-6=-895/420, 6-7=-183/572, 7-8=-160/615, 8-9=-917/445, 9-11=-1334/328, 11-12=-1060/314
BOT CHORD	15-16=-300/1155, 13-15=-161/1017
WEBS	5-15=0/639, 9-13=0/461, 6-17=-1691/738, 8-17=-1691/738, 11-13=-45/953, 3-16=-1540/393

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) -2-1-1 to 0-10-15, Interior(1) 0-10-15 to 12-4-0, Exterior(2R) 12-4-0 to 15-4-0, Interior(1) 15-4-0 to 24-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=289, 16=443.
8) Attic room checked for L/360 deflection.

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January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629657
U0138	T19	Attic	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:39 2021 Page 1
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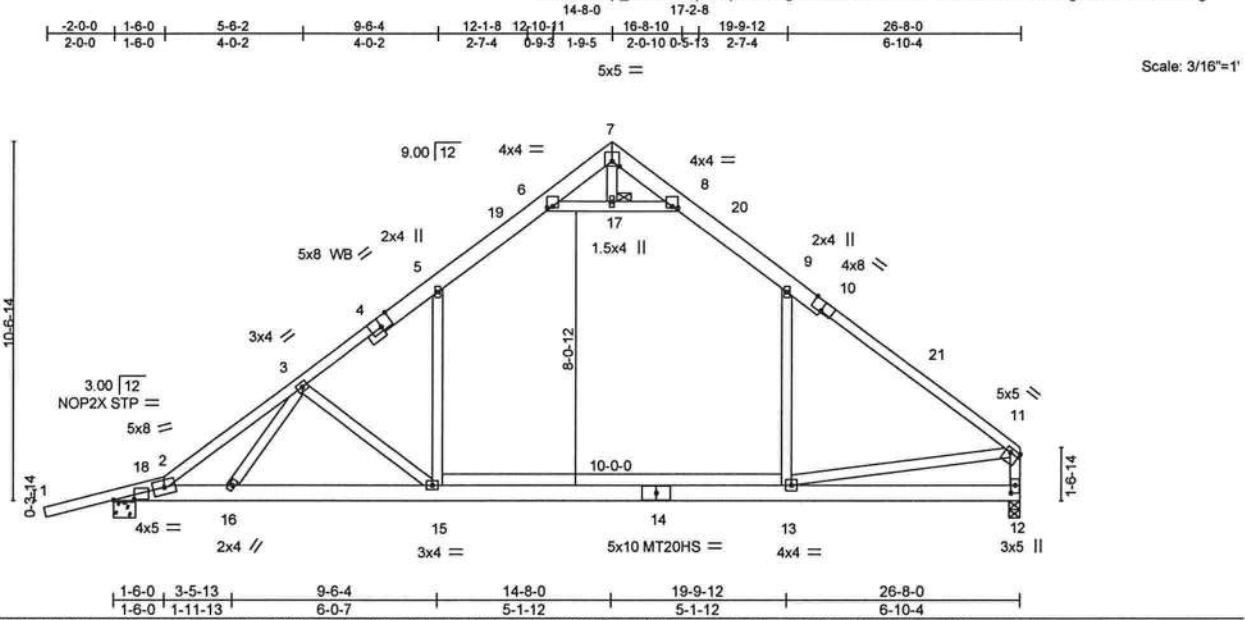

Plate Offsets (X,Y)-- [2:0-7-8,0-0-4], [4:0-4-0,Edge], [6:0-2-0,0-0-8], [7:0-2-8,0-1-12], [8:0-2-0,0-0-8], [10:0-4-0,Edge], [11:Edge,0-1-8], [12:0-2-12,0-1-8]

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	0.93	Vert(LL)	-0.36	13-15	>840	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.60	13-15	>503	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS		Attic	-0.22	13-15	555	360	Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except* 4-7,7-10: 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-8-0, 12=0-4-0
Max Horz 2=390(LC 11)
Max Uplift 2=-676(LC 12), 12=-282(LC 12)
Max Grav 2=1265(LC 18), 12=1126(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1184/355, 3-5=-1485/550, 5-6=-934/549, 6-7=-255/610, 7-8=-203/627, 8-9=-978/604, 9-11=-1405/477, 11-12=-1113/459
BOT CHORD 2-16=-331/1223, 15-16=-448/1381, 13-15=-239/1075
WEBS 5-15=-55/744, 9-13=0/473, 6-17=-1795/1000, 8-17=-1795/1000, 11-13=-31/1021, 3-15=-396/270, 3-16=-515/464

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=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 0-11-9, Interior(1) 0-11-9 to 14-8-0, Exterior(2R) 14-8-0 to 17-8-0, Interior(1) 17-8-0 to 26-6-4 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=676, 12=282.
8) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629658
U0138	T20	Attic	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:41 2021 Page 1
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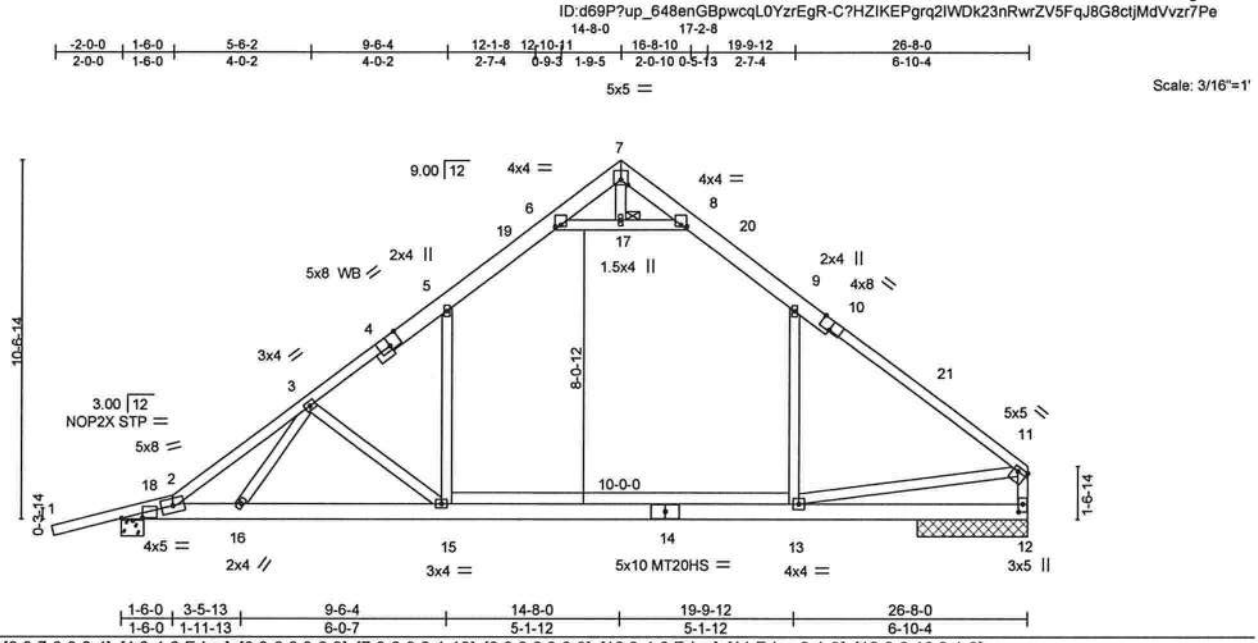

Plate Offsets (X,Y)-- [2:0-7-8,0-0-4], [4:0-4-0,Edge], [6:0-2-0,0-0-8], [7:0-2-8,0-1-12], [8:0-2-0,0-0-8], [10:0-4-0,Edge], [11:Edge,0-1-8], [12:0-2-12,0-1-8]

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	0.93	Vert(LL)	-0.36	13-15	>840	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.60	13-15	>503	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS		Attic	-0.22	13-15	555	360	Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except* 4-7,7-10: 2x6 SP No.1
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 17

REACTIONS. (size) 2=0-8-0, 12=3-3-2
Max Horz 2=390(LC 11)
Max Uplift 2=-676(LC 12), 12=-282(LC 12)
Max Grav 2=1265(LC 18), 12=1126(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1184/355, 3-5=-1485/550, 5-6=-934/549, 6-7=-255/610, 7-8=-203/627, 8-9=-978/604, 9-11=-1405/477, 11-12=-1113/459
BOT CHORD 2-16=-331/1223, 15-16=-448/1381, 13-15=-239/1075
WEBS 5-15=-55/744, 9-13=0/473, 6-17=-1795/1000, 8-17=-1795/1000, 11-13=-31/1021, 3-15=-396/270, 3-16=-515/464

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=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 0-11-9, Interior(1) 0-11-9 to 14-8-0, Exterior(2R) 14-8-0 to 17-8-0, Interior(1) 17-8-0 to 26-6-4 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=676, 12=282.
8) Attic room checked for L/360 deflection.

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January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629659
U0138	T21	Attic	3	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:42 2021 Page 1
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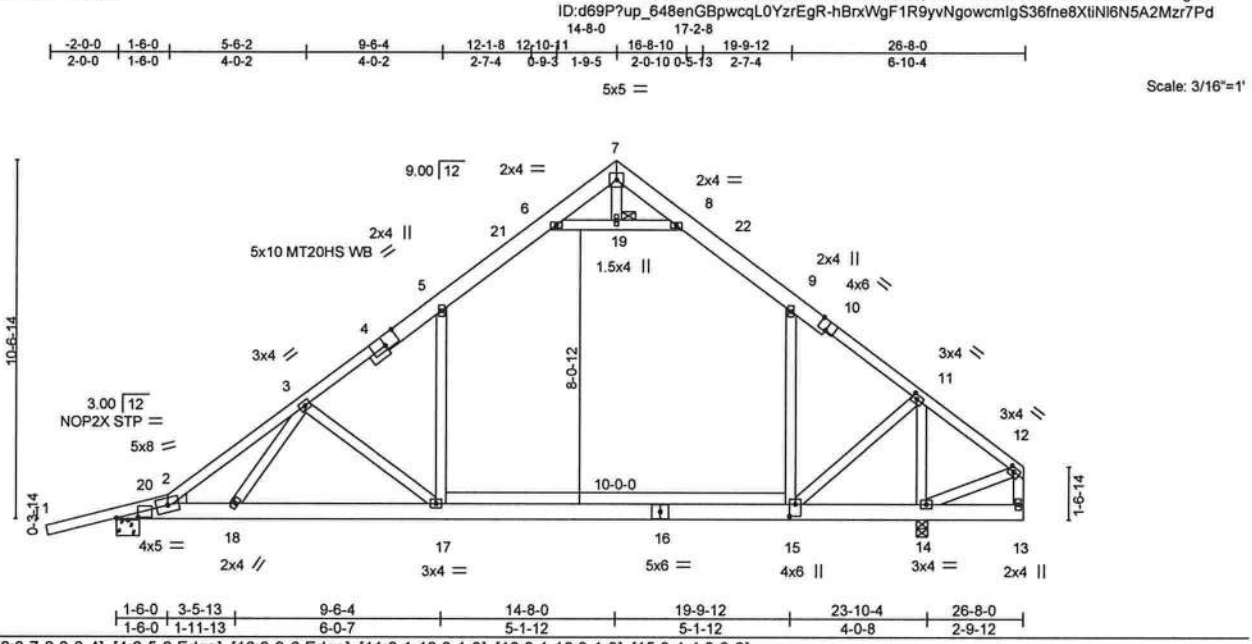

Plate Offsets (X,Y)-- [2:0-7-8,0-0-4], [4:0-5-0,Edge], [10:0-3-0,Edge], [11:0-1-12,0-1-8], [12:0-1-12,0-1-8], [15:0-4-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.36	15-17	>739	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.62	15-17	>432	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	-0.01	14	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS		Attic	-0.22	15-17	552	360	Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
4-7,7-10: 2x6 SP No.2, 10-12: 2x4 SP No.2D
BOT CHORD 2x6 SP No.2 *Except*
13-16: 2x6 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 19

REACTIONS. (size) 2=0-8-0, 14=0-4-0
Max Horz 2=390(LC 11)
Max Uplift 2=-640(LC 12), 14=-318(LC 12)
Max Grav 2=1126(LC 18), 14=1243(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1124/356, 3-5=-1152/393, 5-6=-708/444, 6-7=-69/381, 7-8=-18/298, 8-9=-788/500, 9-11=-1003/384
BOT CHORD 2-18=-323/1159, 17-18=-366/1200, 15-17=-114/827
WEBS 5-17=0/612, 9-15=-72/336, 6-19=-1110/639, 8-19=-1110/639, 3-17=-483/326, 3-18=-224/331, 11-15=-215/1272, 11-14=-1618/573

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=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 0-11-9, Interior(1) 0-11-9 to 14-8-0, Exterior(2R) 14-8-0 to 17-8-0, Interior(1) 17-8-0 to 26-6-4 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=640, 14=318.
8) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629660
U0138	T22	ATTIC	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:43 2021 Page 1
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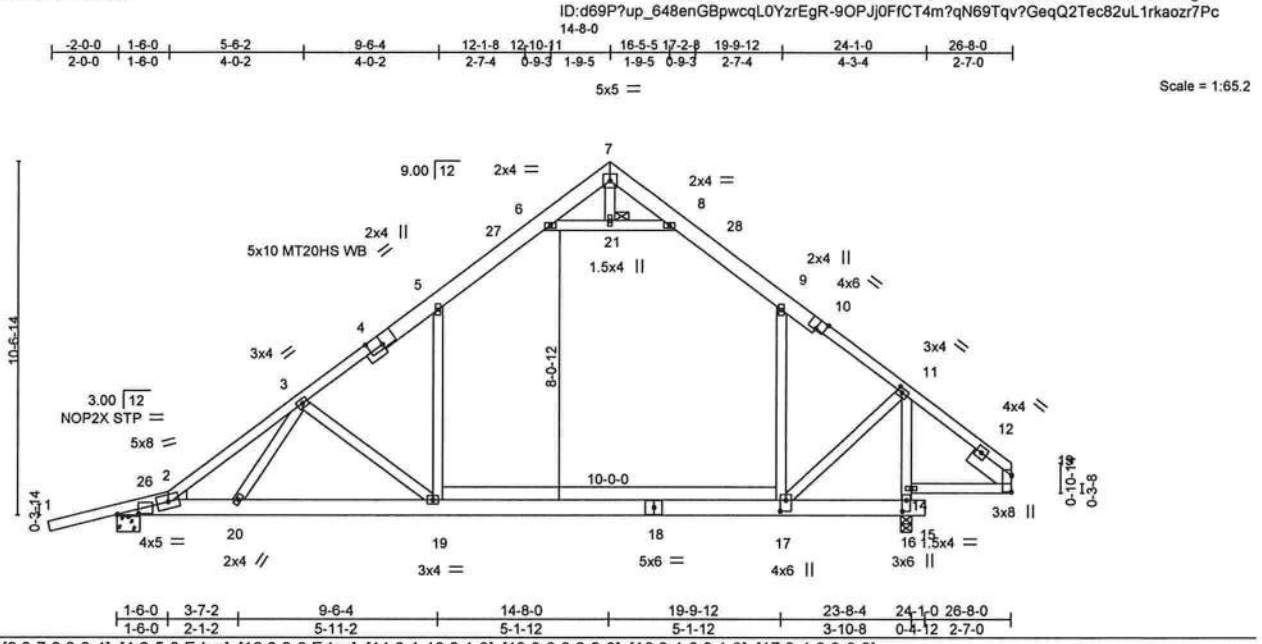

Plate Offsets (X,Y)-- [2:0-7-8,0-0-4], [4:0-5-0,Edge], [10:0-3-0,Edge], [11:0-1-12,0-1-8], [13:0-6-0,0-0-2], [16:0-4-0,0-1-8], [17:0-4-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	1.00	Vert(LL)	-0.37	17-19	>718	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.63	17-19	>418	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.01	16	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS		Attic	-0.23	17-19	537	360	Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
4-7,7-10: 2x6 SP No.2, 10-13: 2x4 SP No.2D
BOT CHORD 2x6 SP No.2 *Except*
13-14: 2x4 SP No.2D, 15-18: 2x6 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x6 SP No.2 -t 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 21

REACTIONS. (size) 2=0-8-0, 16=0-4-0
Max Horz 2=339(LC 11)
Max Uplift 2=-637(LC 12), 16=-318(LC 12)
Max Grav 2=1117(LC 18), 16=1274(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1137/373, 3-5=-1128/388, 5-6=-690/432, 6-7=-64/370, 7-8=-10/283, 8-9=-777/497, 9-11=-973/382
BOT CHORD 2-20=-291/1156, 19-20=-323/1181, 17-19=-66/800
WEBS 5-19=0/608, 9-17=-89/320, 6-21=-1071/627, 8-21=-1071/627, 14-16=-1571/699, 11-14=-1532/620, 11-17=-213/1184, 3-19=-493/332, 3-20=-199/312

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=27ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-7 to 0-11-9, Interior(1) 0-11-9 to 14-8-0, Exterior(2R) 14-8-0 to 17-8-0, Interior(1) 17-8-0 to 26-8-0 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-19
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=637, 16=318.
8) Attic room checked for L/360 deflection.

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January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629661
U0138	T23	Roof Special	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:44 2021 Page 1
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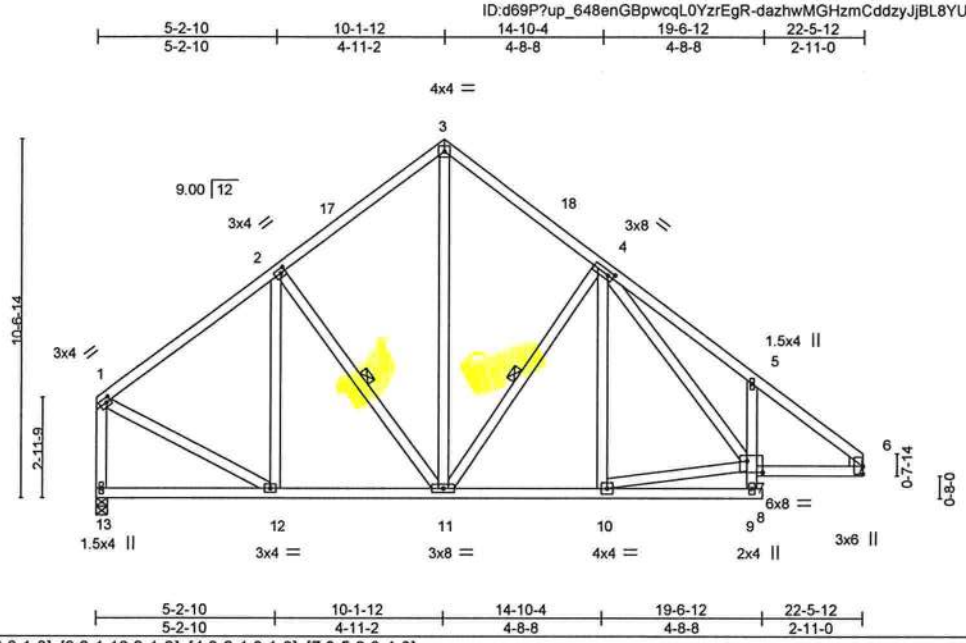

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [2:0-1-12,0-1-8], [4:0-2-1,0-1-8], [7:0-5-8,0-4-0]

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	0.31	Vert(LL)	0.03	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.05	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 167 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
5-9: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 7-9
WEBS 1 Row at midpt 2-11, 4-11

REACTIONS. (size) 6=Mechanical, 13=0-4-0
Max Horz 13=-395(LC 10)
Max Uplift 6=-299(LC 12), 13=-303(LC 12)
Max Grav 6=832(LC 1), 13=827(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-725/343, 2-3=-687/439, 3-4=-687/457, 4-5=-1142/615, 5-6=-1152/465, 1-13=-780/358
BOT CHORD 12-13=-295/354, 11-12=-125/649, 10-11=-150/642, 6-7=-305/870
WEBS 3-11=-338/597, 4-11=-402/289, 7-10=-117/500, 4-7=-249/412, 1-12=-206/568

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 10-1-12, Exterior(2R) 10-1-12 to 13-1-12, Interior(1) 13-1-12 to 22-5-12 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) 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) 6=299, 13=303.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629662
U0138	T24	Common	7	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:45 2021 Page 1
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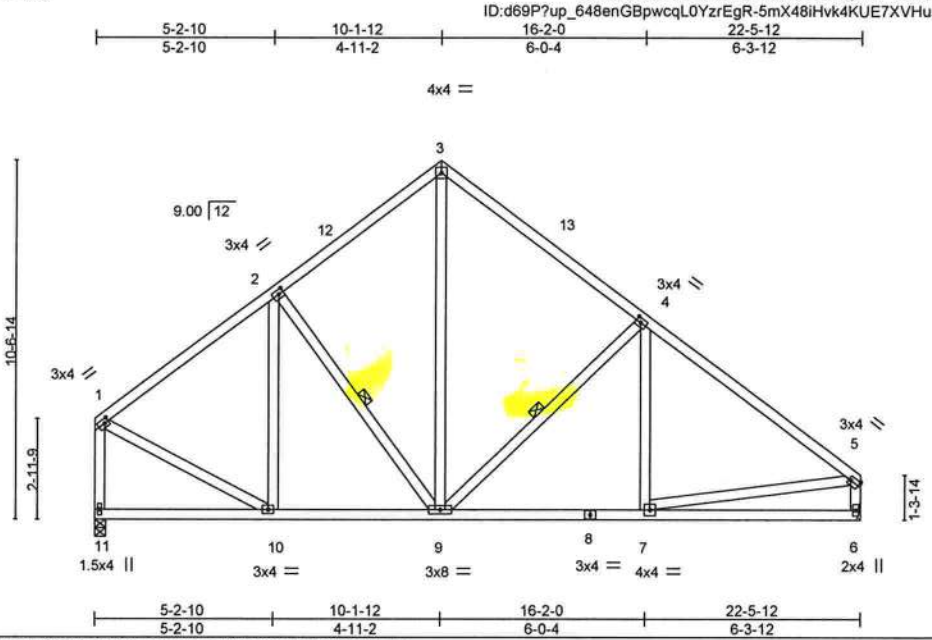

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [2:0-1-12,0-1-8], [4:0-1-12,0-1-8], [5:Edge,0-1-8]

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	0.43	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 154 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 5-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-9, 4-9

REACTIONS. (size) 11=0-4-0, 6=Mechanical
Max Horz 11=-406(LC 10)
Max Uplift 11=-303(LC 12), 6=-300(LC 12)
Max Grav 11=821(LC 1), 6=821(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-718/340, 2-3=-680/435, 3-4=-676/438, 4-5=-944/389, 1-11=-774/358, 5-6=-763/353
BOT CHORD 10-11=-338/366, 9-10=-160/653, 7-9=-234/686
WEBS 3-9=-303/556, 4-9=-411/303, 1-10=-205/560, 5-7=-148/586

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 10-1-12, Exterior(2R) 10-1-12 to 13-1-12, Interior(1) 13-1-12 to 22-4-0 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) 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=303, 6=300.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629663
U0138	T25	GABLE	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:46 2021 Page 1
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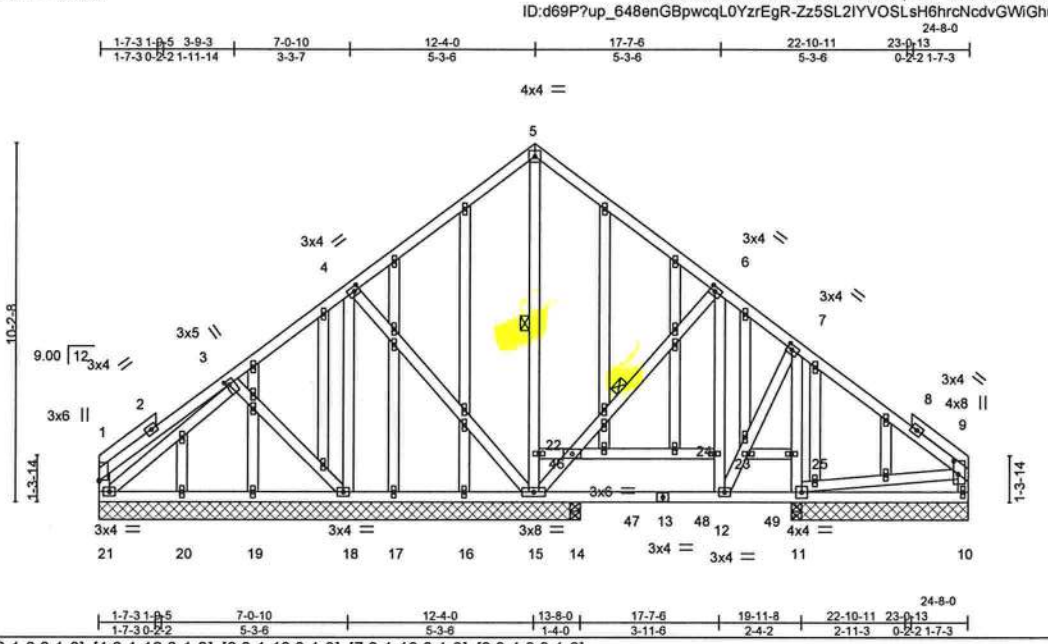

Plate Offsets (X,Y)-- [3:0-1-8,0-1-0], [4:0-1-12,0-1-8], [6:0-1-12,0-1-8], [7:0-1-12,0-1-8], [9:0-4-8,0-1-8]

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	0.30	Vert(LL)	-0.01	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.02	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.15	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 254 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-15, 6-15

REACTIONS. All bearings 13-8-0 except (jt=length) 10=5-0-0, 11=5-0-0, 11=5-0-0, 14=0-3-8.
(lb) - Max Horz 21=-351(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 10, 21, 14 except 15=-317(LC 25), 18=-200(LC 25), 11=-270(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 10, 21, 16, 17, 19, 20, 14 except 15=404(LC 1), 18=391(LC 13), 11=489(LC 30), 11=414(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 20-21=-213/274, 19-20=-213/274, 18-19=-213/274
WEBS 15-46=-268/55, 5-46=-268/55, 11-25=-361/255, 7-25=-361/255

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=25ft; 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
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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 21, 14 except (jt=lb) 15=317, 18=200, 11=270.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 42 lb up at 15-0-12, and 55 lb down and 42 lb up at 17-0-12, and 55 lb down and 42 lb up at 19-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 10-21=-20

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Continued on page 2

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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 47=2(B) 48=2(B) 49=2(B)

Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629664
U0138	T26	Roof Special Supported Gable	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:47 2021 Page 1
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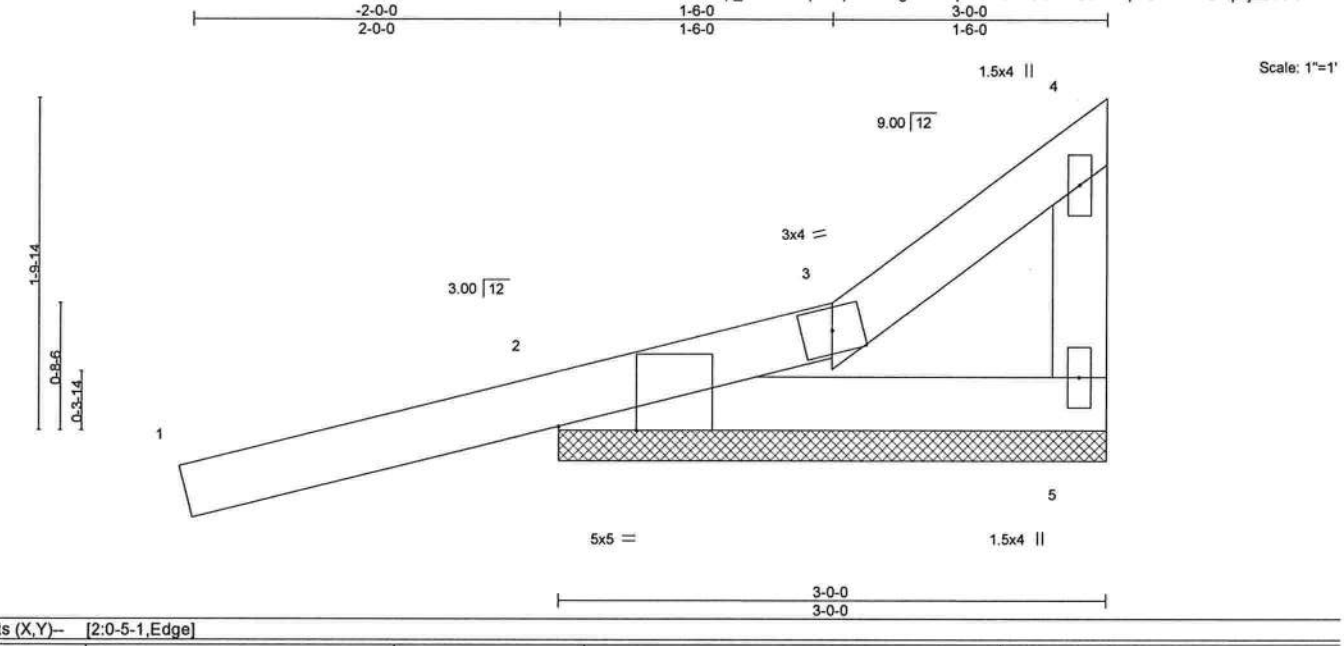

Scale: 1"=1'

Plate Offsets (X,Y)-- [2:0-5-1,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	0.62	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-R							Weight: 15 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 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=3-0-0, 2=3-0-0
Max Horz 2=92(LC 9)
Max Uplift 5=-25(LC 9), 2=-228(LC 8)
Max Grav 5=85(LC 17), 2=255(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-7 to 0-11-9, Exterior(2N) 0-11-9 to 2-10-4 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=228.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629665
U0138	T27	Flat Girder	1	1	Job Reference (optional)	

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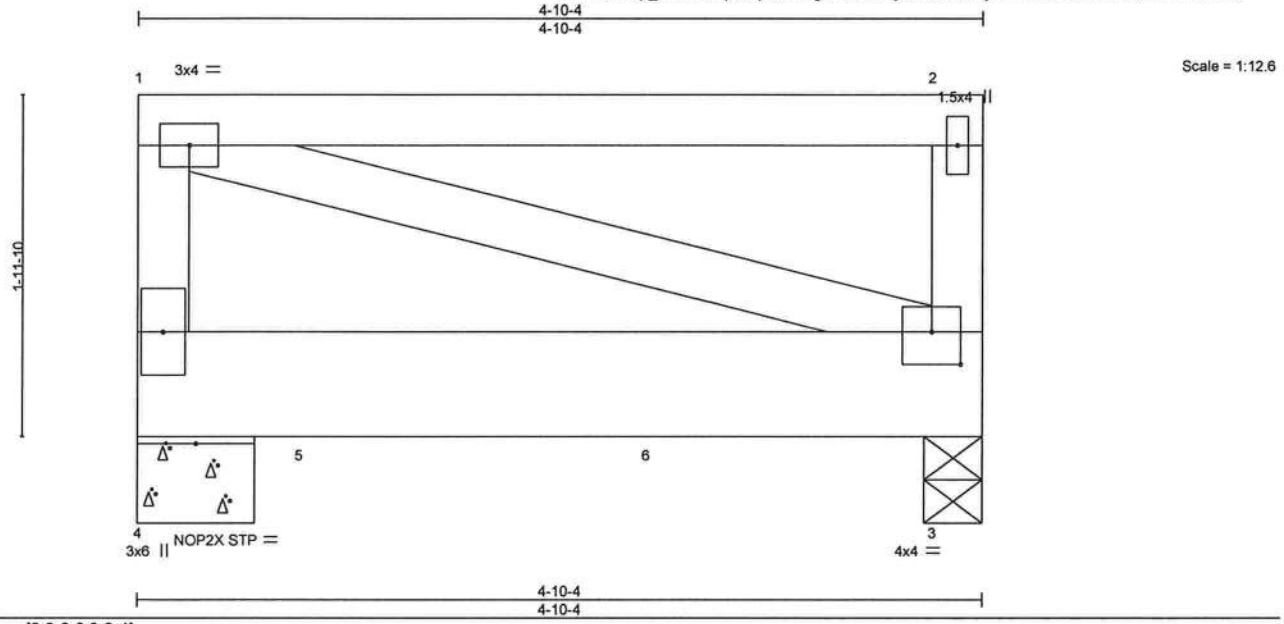

Scale = 1:12.6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	0.03	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.05	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.02	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FRC2020/TPI2014	Matrix-MP							Weight: 32 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2D
BOT CHORD 2x8 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-8-0, 3=0-4-0
Max Horz 4=-81(LC 4)
Max Uplift 4=-370(LC 4), 3=-300(LC 5)
Max Grav 4=824(LC 1), 3=646(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional); 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) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=370, 3=300.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 563 lb down and 231 lb up at 1-0-12, and 569 lb down and 236 lb up at 3-0-12 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 3-4=-20
Concentrated Loads (lb)
Vert: 5=-563(B) 6=-569(B)

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629666
U0138	T28	Common	1	1	Job Reference (optional)	

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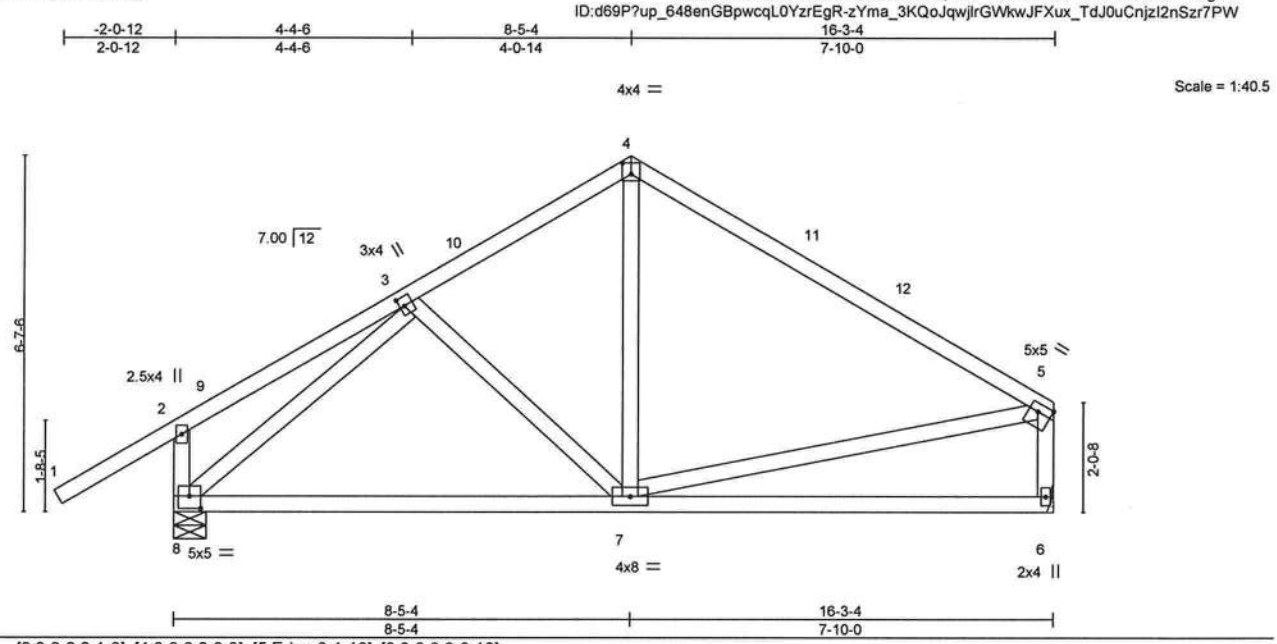

Plate Offsets (X,Y)-- [3:0-2-0,0-1-0], [4:0-2-0,0-2-8], [5:Edge,0-1-12], [8:0-2-8,0-2-12]

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	0.68	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.17	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 96 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 5-9-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 8=0-7-4
Max Horz 8=279(LC 11)
Max Uplift 6=-212(LC 12), 8=-367(LC 12)
Max Grav 6=582(LC 1), 8=723(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-530/300, 4-5=-576/263, 2-8=-286/317, 5-6=-515/299
BOT CHORD 7-8=-273/508
WEBS 4-7=0/284, 3-8=-561/230, 5-7=-42/356

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) -2-1-10 to 0-10-6, Interior(1) 0-10-6 to 8-5-4, Exterior(2R) 8-5-4 to 11-5-4, Interior(1) 11-5-4 to 16-1-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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) 6=212, 8=367.

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629667
U0138	T29	Common	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:49 2021 Page 1
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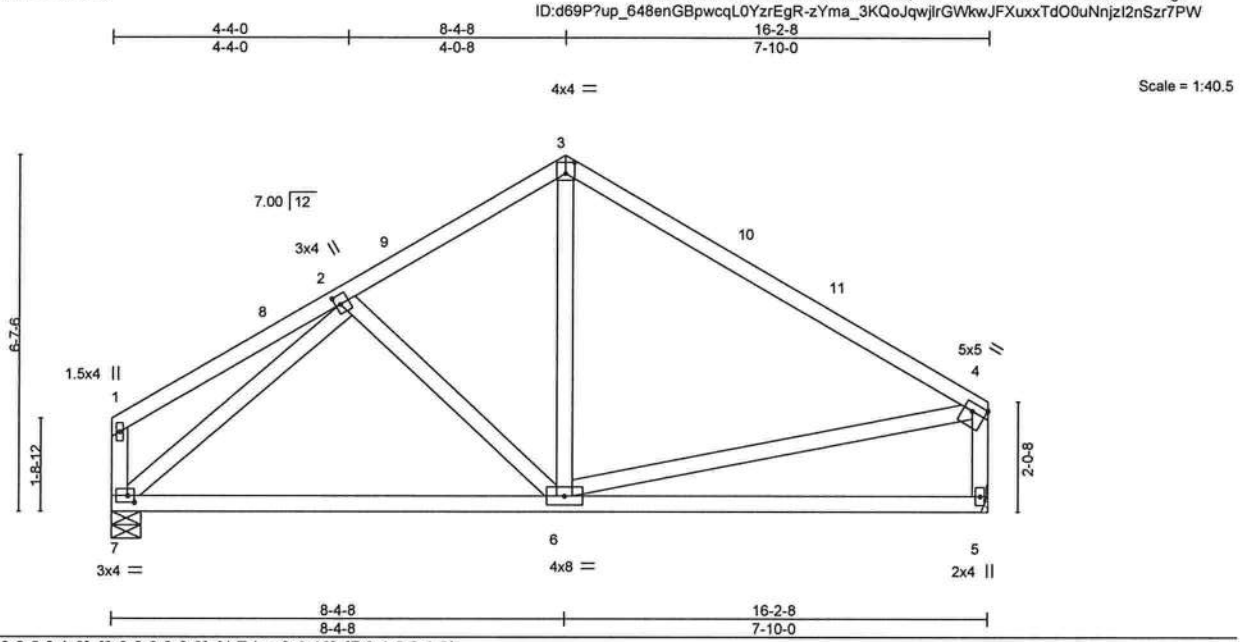

Plate Offsets (X,Y)-- [2:0-2-0,0-1-0], [3:0-2-0,0-2-8], [4:Edge,0-1-12], [7:0-1-8,0-1-8]

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	0.68	Vert(LL)	-0.08	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.16	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-MS							Weight: 93 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 5-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 7=0-6-8
Max Horz 7=246(LC 11)
Max Uplift 5=-216(LC 12), 7=-216(LC 12)
Max Grav 5=589(LC 1), 7=589(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-529/313, 3-4=-584/266, 4-5=-521/302
BOT CHORD 6-7=-283/531
WEBS 3-6=0/286, 2-7=-545/284, 4-6=-44/362

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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-4-8, Exterior(2R) 8-4-8 to 11-4-8, Interior(1) 11-4-8 to 16-0-12 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
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) 5=216, 7=216.

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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January 28,2021

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES
U0138	T30	Monopitch Supported Gable	2	1	T22629668
					Job Reference (optional)

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:51 2021 Page 1
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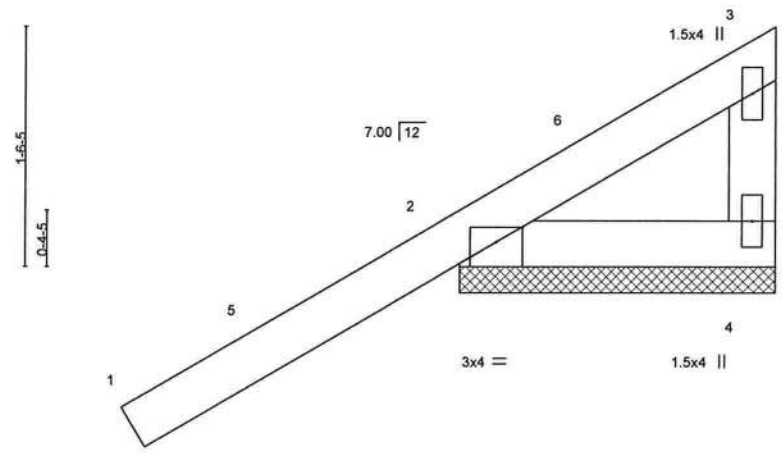
2-0-0
2-0-0

Scale = 1:13.9



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	0.74	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-P							Weight: 11 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 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=2-0-0, 2=2-0-0
Max Horz 2=95(LC 12)
Max Uplift 4=-4(LC 9), 2=-253(LC 12)
Max Grav 4=71(LC 12), 2=243(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-14 to 0-11-2, Exterior(2N) 0-11-2 to 1-10-4 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=253.

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Job	Truss	Truss Type	Qty	Ply	ARRINGTON RES	T22629669
U0138	T31	Monopitch Supported Gable	2	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430, 8.430 s Nov 30 2020 MiTek Industries, Inc. Wed Jan 27 14:37:52 2021 Page 1
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-2-0-0 2-0-0 | 2-0-0 2-0-0

Scale = 1:7.8

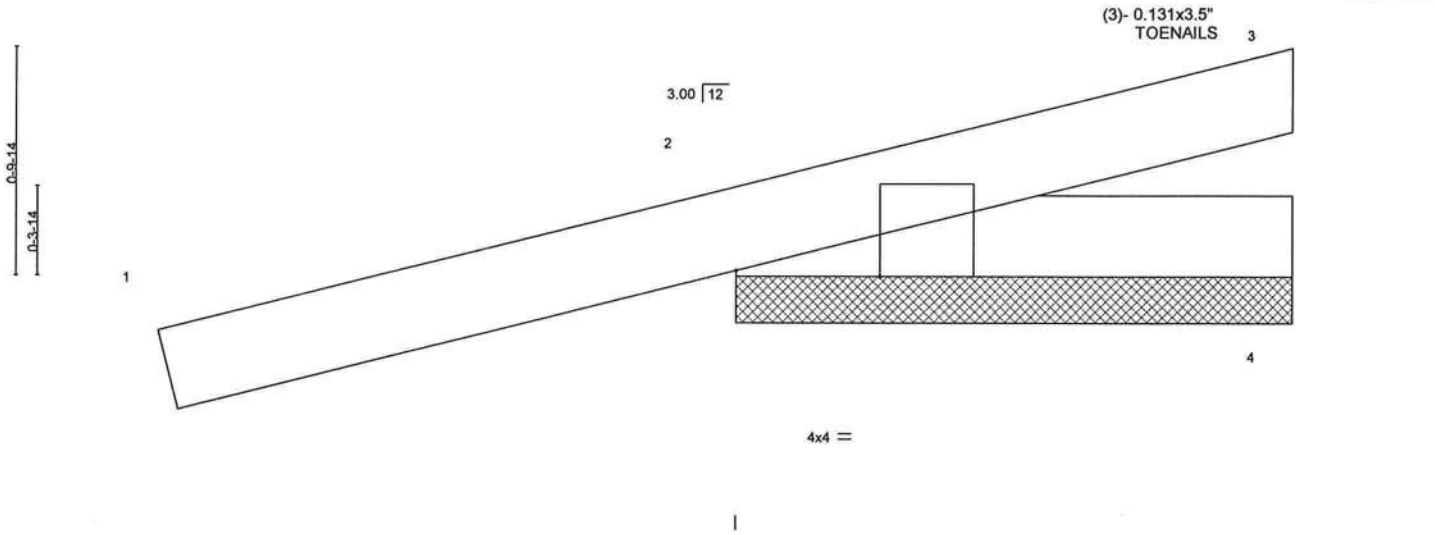

Plate Offsets (X,Y)-- [2:0-6-4,Edge]

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	0.62	Vert(LL)	0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FRC2020/TPI2014		Matrix-P							Weight: 9 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 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=2-0-0, 2=2-0-0, 4=2-0-0
Max Horz 2=64(LC 8)
Max Uplift 3=-9(LC 9), 2=-242(LC 8)
Max Grav 3=27(LC 8), 2=240(LC 1), 4=40(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=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-7 to 0-11-9, Exterior(2N) 0-11-9 to 2-0-0 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
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=242.

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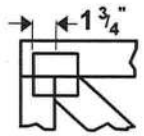
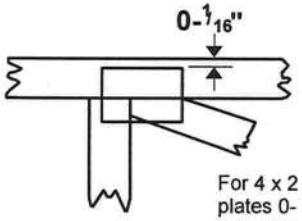
Symbols

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

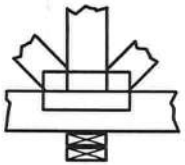
4 x 4

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

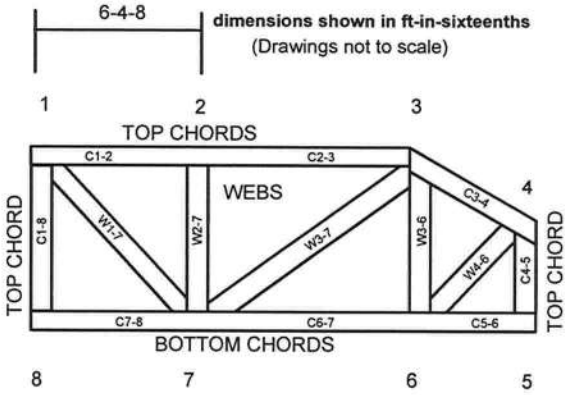


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.