



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

RE: S1086 - BUDZINSKI RES

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: GADCO Project Name: BUDZINSKI RES 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.

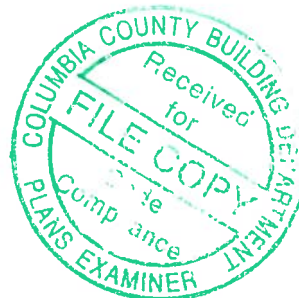
Name: License #:
Address:
City: State:

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

Design Code: FRC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 140 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 14 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
1	T17808507	CAP1	8/8/19
2	T17808508	CAP2	8/8/19
3	T17808509	T1	8/8/19
4	T17808510	T2	8/8/19
5	T17808511	T3	8/8/19
6	T17808512	T4	8/8/19
7	T17808513	T5	8/8/19
8	T17808514	T6	8/8/19
9	T17808515	T7	8/8/19
10	T17808516	T8	8/8/19
11	T17808517	T9	8/8/19
12	T17808518	T10	8/8/19
13	T17808519	T11	8/8/19
14	T17808520	T16	8/8/19

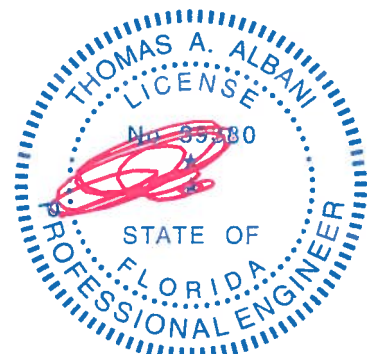


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc.
under my direct supervision based on the parameters
provided by Duley Truss.

Truss Design Engineer's Name: Albani, Thomas

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.



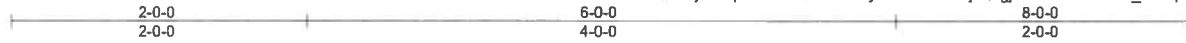
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8, 2019

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808507
S1086	CAP1	GABLE	2	1		

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:11 2019 Page 1
ID: ?Mij3E2qAlIT07As1T8QPbyaTXS-fMIMAJrQ4gjSz4OZkkUv23m_?sPqhO1InvUUCSypj6



Scale = 1:15.3

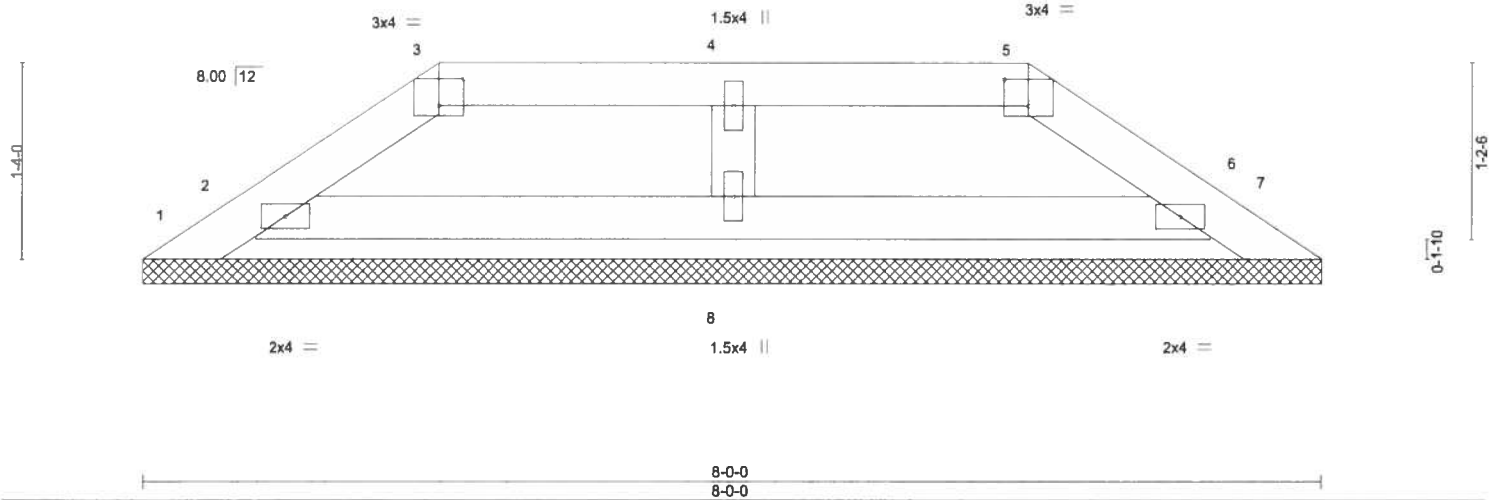


Plate Offsets (X,Y)-- [3:0-2-0,0-2-3], [5:0-2-0,0-2-3]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/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 0.09	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-S						Weight: 24 lb	FT = 20%

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

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

REACTIONS. All bearings 8'-0-0.
(lb) - Max Horz 1=-39(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 2, 6, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 2, 6, 8

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=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(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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4'-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 2, 6, 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



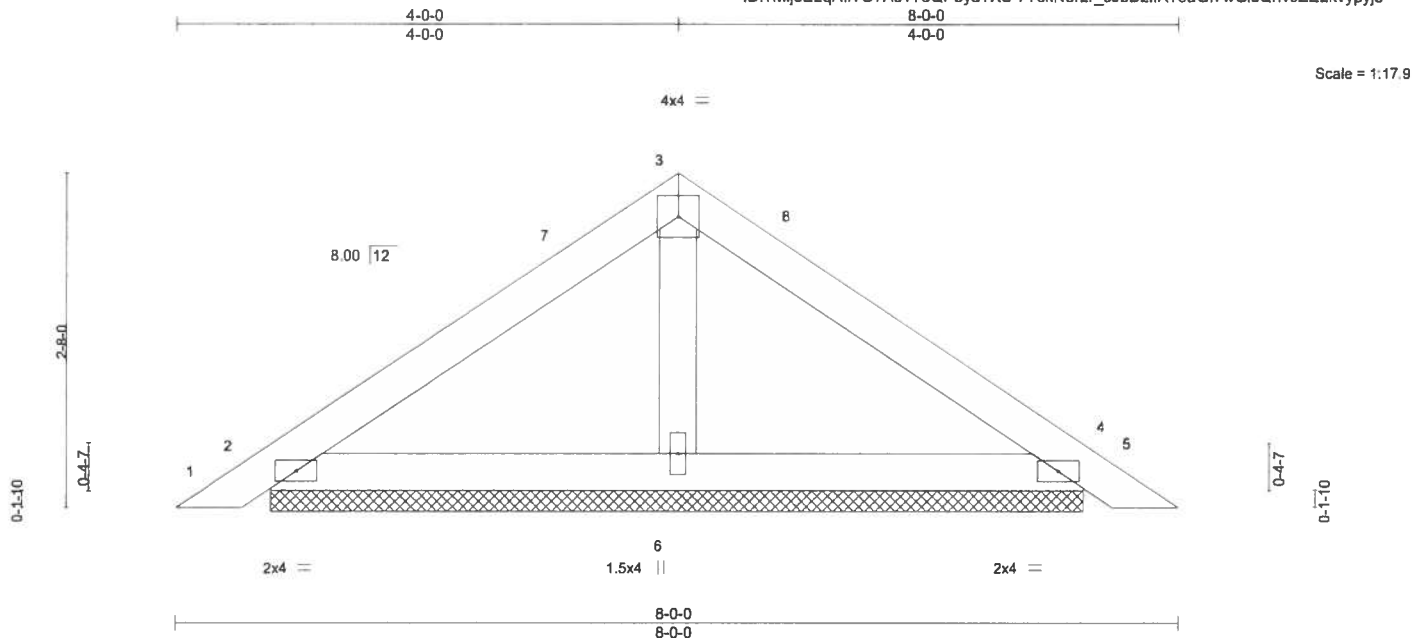
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808508
S1086	CAP2	Piggyback	7	1		

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:12 2019 Page 1
ID:7Mij3E2qAliTO7As1T8QPbyaTXS-7YskN3r2r_sJbDzllR78aGI7wGluQriv0ZE2kvpyj5

Job Reference (optional)



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.20	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.10	Vert(CT)	0.01	5	n/r		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.03	Horz(CT)	0.00	4	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-P					Weight: 27 lb	FT = 20%
	Code FRC2017/TPI2014							

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. (lb/size) 2=159/6-5-12, 4=159/6-5-12, 6=215/6-5-12
Max Horz 2=82(LC 11)
Max Uplift 2=-110(LC 12), 4=-110(LC 12), 6=-18(LC 12)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 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(2) 0-3-2 to 3-3-2, Interior(1) 3-3-2 to 4-0-0, Exterior(2) 4-0-0 to 7-2-14, Interior(1) 7-2-14 to 7-8-14 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=110, 4=110.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8, 2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808509
S1086	T1	Hip	2	1		

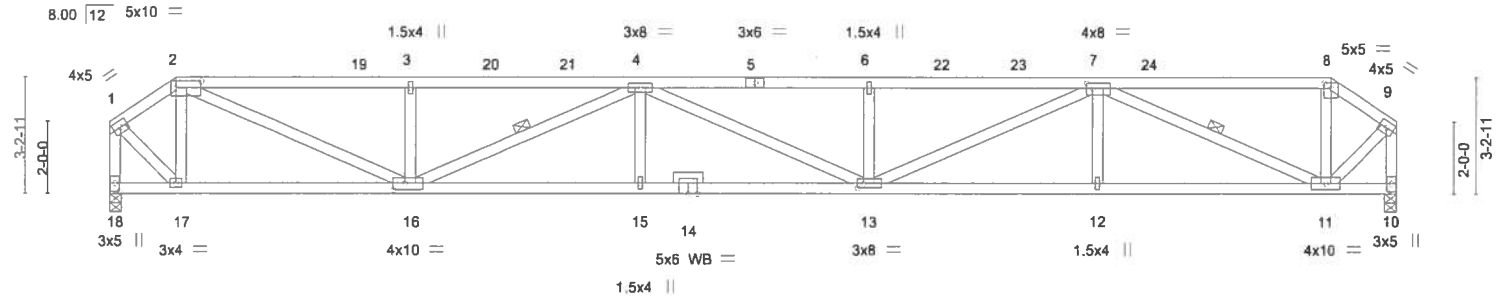
Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:13 2019 Page 1

ID: ?Mij3E2qAlitO7As1T8QPbyaTXS-bkQ6aPsgcH_ADNYys9WN7UrClgvJ94W2FDzbGLypj4

1-10-0	8-3-14	14-7-15	21-0-1	27-4-2	33-10-0	35-8-0
1-10-0	6-5-14	6-4-2	6-4-2	6-4-2	6-5-14	1-10-0

Scale = 1:62.4



1-10-0	8-3-14	14-7-15	21-0-1	27-4-2	33-10-0	35-8-0
1-10-0	6-5-14	6-4-2	6-4-2	6-4-2	6-5-14	1-10-0

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 0.58	Vert(LL) 0.41 13-15 >999 240	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.85	Vert(CT) -0.65 13-15 >650 180		
BCLL 0.0 *		Rep Stress Incr YES	WB 0.96	Horz(CT) 0.13 10 n/a n/a		
BCDL 10.0		Code FRC2017/TPI2014	Matrix-MS		Weight: 193 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 2-8-8 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 4-8-15 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-16, 7-11
OTHERS 2x4 SP No.3	

REACTIONS. (lb/size) 18=1309/0-4-0, 10=1309/0-4-0
Max Horz 18=135(LC 11)
Max Uplift 18=480(LC 12), 10=480(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-971/457, 2-3=-2887/1355, 3-4=-2887/1355, 4-6=-3889/1770, 6-7=-3889/1770, 7-8=-822/425, 8-9=-973/455, 1-18=-1325/610, 9-10=-1322/608
BOT CHORD 16-17=-386/776, 15-16=-1748/3890, 13-15=-1748/3890, 12-13=-1336/2888, 11-12=-1336/2888
WEBS 2-17=-657/420, 2-16=-1051/2321, 3-16=-368/322, 4-16=-1109/480, 4-15=0/252, 6-13=-336/273, 7-13=-475/1107, 7-12=0/256, 7-11=-2281/1035, 8-11=-60/336, 1-17=-514/1117, 9-11=-514/1120

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCpl=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 6-10-8, Interior(1) 6-10-8 to 33-10-0, Exterior(2) 33-10-0 to 35-6-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=480, 10=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8, 2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing Indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808510
S1085	T2	Hip	2	1		

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:19 2019 Page 1
ID:7Mij3E2qAII7O7As1T8QPbyaTXS-QunOrSxRC7kXj175CQdnN15Fi4xtZuRxd9QvU?ypyl



Scale = 1:62.4

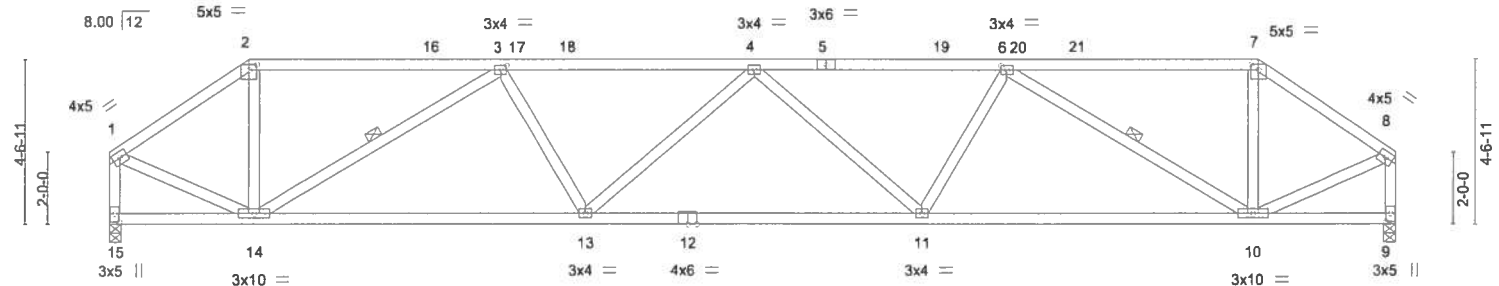


Plate Offsets (X,Y)-	[2:0-2-8,0-1-13], [3:0-1-12,0-1-8], [6:0-1-12,0-1-8], [7:0-2-8,0-1-13], [9:0-2-12,0-1-8], [15:0-2-12,0-1-8]
----------------------	---

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	Vert(LL)	0.20 11-13	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.91	Vert(CT)	-0.38 11-13	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.55	Horz(CT)	0.10 9	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FRC2017/TPI2014						Weight: 192 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-6-11 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2D	BOT CHORD Rigid ceiling directly applied or 5-6-3 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-14, 6-10

REACTIONS. (lb/size) 15=1309/0-4-0, 9=1309/0-4-0
Max Horz 15=-181(LC 10)
Max Uplift 15=-480(LC 12), 9=-480(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1341/623, 2-3=-1089/591, 3-4=-2542/1209, 4-6=-2542/1209, 6-7=-1089/591,
7-8=-1341/623, 1-15=-1296/627, 8-9=-1296/627
BOT CHORD 13-14=-1077/2339, 11-13=-1265/2741, 10-11=-1099/2339
WEBS 2-14=-104/471, 3-14=-1490/712, 3-13=-43/486, 4-13=-280/226, 4-11=-280/226,
6-11=-43/486, 6-10=-1490/712, 7-10=-104/471, 1-14=-489/1167, 8-10=-490/1167

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 8-10-8, Interior(1) 8-10-8 to 31-10-0, Exterior(2) 31-10-0 to 35-6-4 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) 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) 15=480, 9=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing Indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



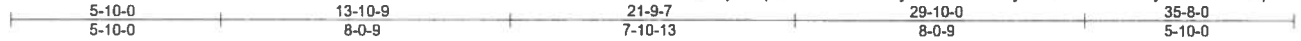
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808511
S1086	T3	Hip	2	1		

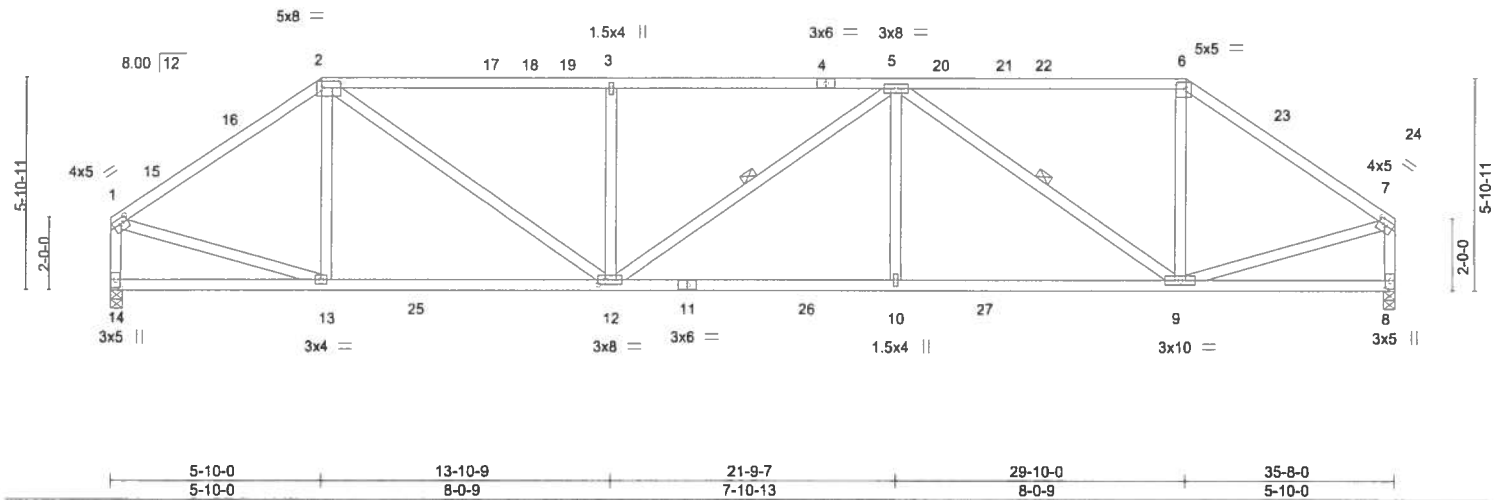
Dufey Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:20 2019 Page 1

ID:7Mij3E2qAlIT07As1T8QPbyaTXS-u5Lm2oy3zRsAYSalm780vyeKwUL0IGf4spAT?Rypiz



Scale = 1:62.5



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	0.13 10-12 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.25 10-12 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.06 8 n/a n/a				
BCDL	10.0	Code FRC2017/TPI2014		Matrix-MS							
										Weight: 205 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-6-14 oc bracing.
WEBS 1 Row at midpt 5-12, 5-9

REACTIONS.

(lb/size) 14=1309/0-4-0, 8=1309/0-4-0
Max Horz 14=228(LC 11)
Max Uplift 14=-480(LC 12), 8=-480(LC 12)
Max Grav 14=1317(LC 17), 8=1309(LC 1)

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

TOP CHORD 1-2=-1489/695, 2-3=-2037/1065, 3-5=-2037/1065, 5-6=-1204/673, 6-7=-1480/695,
1-14=-1275/640, 7-8=-1260/640
BOT CHORD 12-13=-508/1266, 10-12=-908/2093, 9-10=-908/2093
WEBS 2-12=-491/1112, 3-12=-459/384, 5-10=0/341, 5-9=-1147/487, 6-9=-71/490,
1-13=-452/1172, 7-9=-452/1154

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf, BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 5-10-0, Exterior(2) 5-10-0 to 10-10-8, Interior(1) 10-10-8 to 29-10-0, Exterior(2) 29-10-0 to 34-10-8, Interior(1) 34-10-8 to 35-6-4 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=480, 8=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

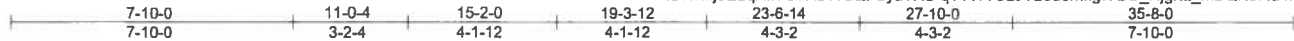


6904 Parke East Blvd.
Tampa, FL 33610

Job S1086	Truss T4	Truss Type ATTIC	Qty 1	Ply 1	BUDZINSKI RES	T17808512
--------------	-------------	---------------------	----------	----------	---------------	-----------

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:22 2019 Page 1
ID:7Mij3E2qAliT07As1T8QPbyaTXS-qTTWTUzJV26uomkgTYBU_Njgriz_mBQNJ7fa4Kypix



Scale = 1:62.5

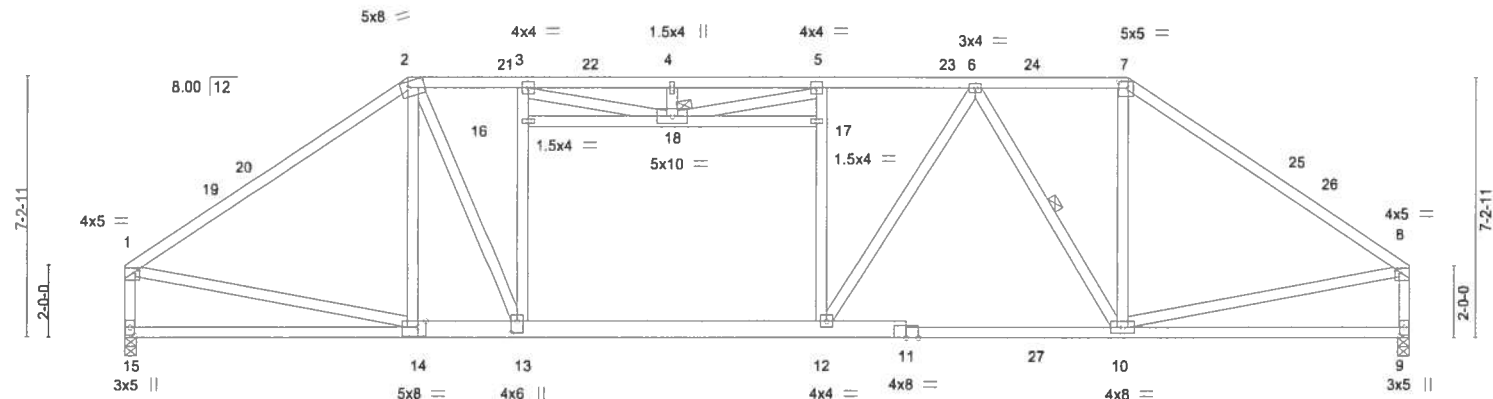


Plate Offsets (X,Y)=	1:0-1-8,Edge	2:0-5-8,Edge	7:0-3-4,0-2-4	8:0-1-8,Edge	9:0-2-12,0-1-8	13:0-4-0,0-2-0	14:0-2-12,Edge	15:0-2-12,0-1-8
----------------------	--------------	--------------	---------------	--------------	----------------	----------------	----------------	-----------------

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 0.87	Vert(LL)	-0.43 10-12	>981	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.88	Vert(CT)	-0.70 10-12	>608	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.03 9	n/a	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-MS	Attic	-0.22 12-13	449	360	Weight: 247 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 2-7: 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2D *Except* 11-14: 2x6 SP No.1D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 7-10-0 oc bracing: 10-12.
WEBS 2x4 SP No.3 *Except* 3-13,5-12: 2x4 SP No.2D	WEBS 1 Row at midpt 6-10
	JOINTS 1 Brace at Jt(s): 18

REACTIONS. (lb/size) 15=1357/0-4-0, 9=1344/0-4-0
Max Horz 15=274(LC 11)
Max Uplift 15=452(LC 12), 9=459(LC 12)
Max Grav 15=1509(LC 18), 9=1475(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1782/674, 2-3=-1950/822, 3-4=-2217/1119, 4-5=-2217/1119, 5-6=-2022/849,
6-7=-1436/698, 7-8=-1758/690, 1-15=-1431/616, 8-9=-1419/629
BOT CHORD 14-15=-243/336, 13-14=-455/1503, 12-13=-616/2068, 10-12=-603/1803
WEBS 2-14=-569/238, 2-13=-381/1494, 13-16=-500/299, 3-16=-491/293, 6-12=-57/567,
6-10=-827/274, 7-10=-79/684, 16-18=-342/104, 17-18=-76/291, 1-14=-330/1317,
8-10=-350/1317, 3-18=-398/586

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 7-10-0, Exterior(2) 7-10-0 to 12-10-8, Interior(1) 12-10-8 to 27-10-0, Exterior(2) 27-10-0 to 32-10-8, Interior(1) 32-10-8 to 35-6-4 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=452, 9=459.
- 8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



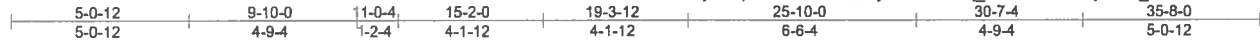
6904 Parke East Blvd.
Tampa, FL 35610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808513
S1086	T5	ATTIC	1	1		

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:23 2019 Page 1

ID: ?Mij3E2qAlIT07As1T8QPbyaTXS-If1uhq_xGMEIPwJtRFijXbGv_jKDvYcYwYnO7cmypyiW



Scale: 3/16"=1'

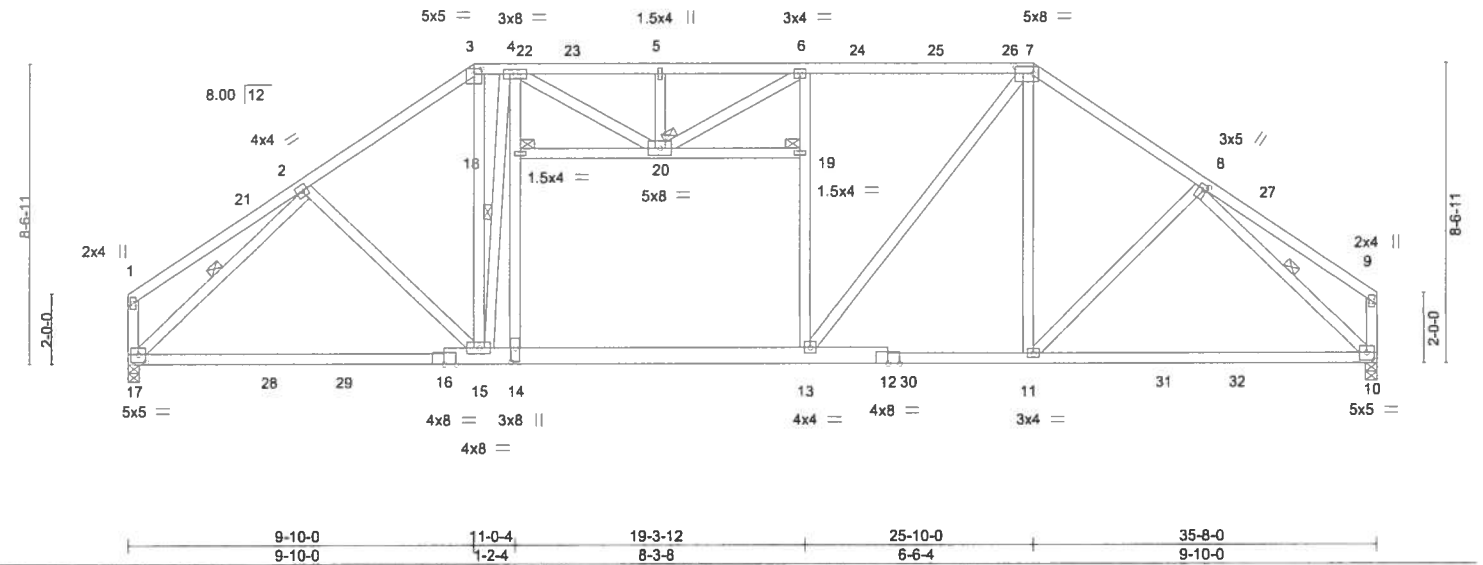


Plate Offsets (X,Y)-	[3:0-2-8,0-1-13], [7:0-6-4,0-2-4], [8:0-1-8,0-1-0], [10:0-2-8,0-2-12], [14:0-4-12,0-1-8], [17:0-2-8,0-2-12]
----------------------	---

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plate Grip DOL	1.25	TC 0.59	Vert(LL)	-0.36 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.82	Vert(CT)	-0.53 11-13	>805	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.92	Horz(CT)	0.06 10	n/a	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-MS	Attic	-0.21 13-14	478	360	Weight: 269 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-10-7 oc purins, except end verticals.
BOT CHORD 2x4 SP No.2D *Except*	BOT CHORD Rigid ceiling directly applied or 8-4-1 oc bracing.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 4-15, 2-17, 8-10
3-15,4-14,6-13: 2x4 SP No.2D	JOINTS 1 Brace at Jt(s): 18, 19, 20

REACTIONS. (lb/size) 17=1357/0-4-0, 10=1344/0-4-0
Max Horz 17=320(LC 11)
Max Uplift 17=452(LC 12), 10=459(LC 12)
Max Grav 17=1512(LC 18), 10=1479(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1768/727, 3-4=-1451/680, 4-5=-1770/898, 5-6=-1770/898, 6-7=-1688/786,
7-8=-1711/747, 1-17=-251/151, 9-10=-259/146
BOT CHORD 15-17=-521/1473, 14-15=-468/1724, 13-14=-485/1754, 11-13=-399/1365,
10-11=-501/1228
WEBS 2-15=-102/262, 3-15=-366/982, 4-15=-1908/639, 14-18=-282/1363, 4-18=-283/1366,
13-19=-349/313, 6-19=-346/311, 7-13=-163/669, 7-11=-48/316, 8-11=-111/251,
2-17=-1715/655, 8-10=-1642/680, 4-20=-220/308

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 9-10-0, Exterior(2) 9-10-0 to 15-2-0, Interior(1) 15-2-0 to 25-10-0, Exterior(2) 25-10-0 to 30-8-13, Interior(1) 30-8-13 to 35-6-4 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=452, 10=459.
 - 8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



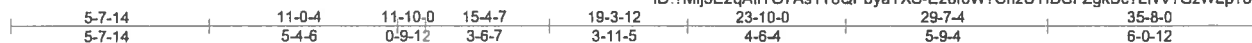
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808514
S1086	T6	ATTIC	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:25 2019 Page 1

ID: ?Mij3E2qAliTO7As1T8QPbyaTXS-E28f6W?CnzUTfDSFZgk8c?LlvV?GzWlp?5tEgeypyiu



Scale: 3/16"=1'

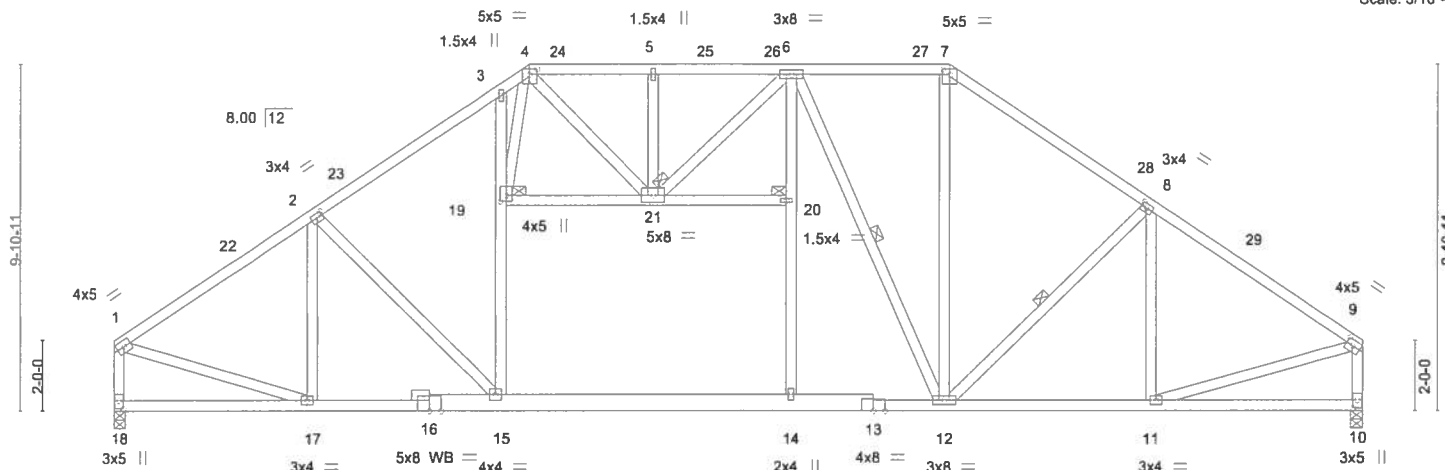


Plate Offsets (X,Y)=-	5-7-14	11-0-4	19-3-12	23-10-0	29-7-4	35-8-0
	5-7-14	5-4-6	8-3-8	4-6-4	5-9-4	6-0-12

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 0.44	Vert(LL)	-0.27	14	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.84	Vert(CT)	-0.39	14-15	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.90	Horz(CT)	0.04	10	n/a	n/a	
BCDL 10.0	Code FRC2017/TPI2014		Matrix-MS	Attic	-0.20	14-15	500	360	
									Weight: 277 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D
BOT CHORD 2x4 SP No.2D *Except*
13-16: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
3-15: 2x4 SP No.2D
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-2 oc bracing.
WEBS 1 Row at midpt 6-12, 8-12
JOINTS 1 Brace at Jt(s): 19, 20, 21

REACTIONS.

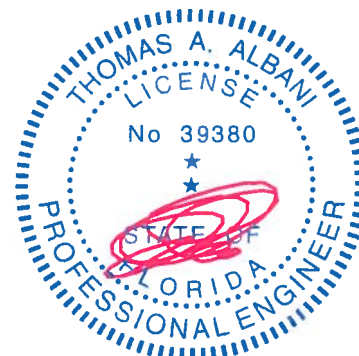
(lb/size) 18=1357/0-4-0, 10=1344/0-4-0
Max Horz 18=366(LC 11)
Max Uplift 18=452(LC 12), 10=459(LC 12)
Max Grav 18=1510(LC 18), 10=1452(LC 19)

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

TOP CHORD 1-2=-1680/632, 2-3=-1773/746, 3-4=-1832/956, 4-5=-1448/786, 5-6=-1448/786,
6-7=-1306/710, 7-8=-1613/752, 8-9=-1654/653, 1-18=-1437/584, 9-10=-1394/595
BOT CHORD 17-18=-327/368, 15-17=-494/1548, 14-15=-391/1572, 12-14=-394/1584, 11-12=-475/1290
WEBS 2-17=-466/217, 2-15=-186/311, 15-19=-22/464, 3-19=-455/396, 14-20=-2/493,
6-20=-1/493, 6-12=-667/136, 7-12=-196/617, 8-12=-329/206, 19-21=-291/106,
1-17=-414/1285, 9-11=-423/1273, 5-21=-265/212, 4-21=-233/425, 4-19=-427/851

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 11-10-0, Exterior(2) 11-10-0 to 16-10-8, Interior(1) 16-10-8 to 23-10-0, Exterior(2) 23-10-0 to 28-10-8, Interior(1) 28-10-8 to 35-6-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Bottom chord live load (30.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=452, 10=459.
- ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing Indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSUTPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

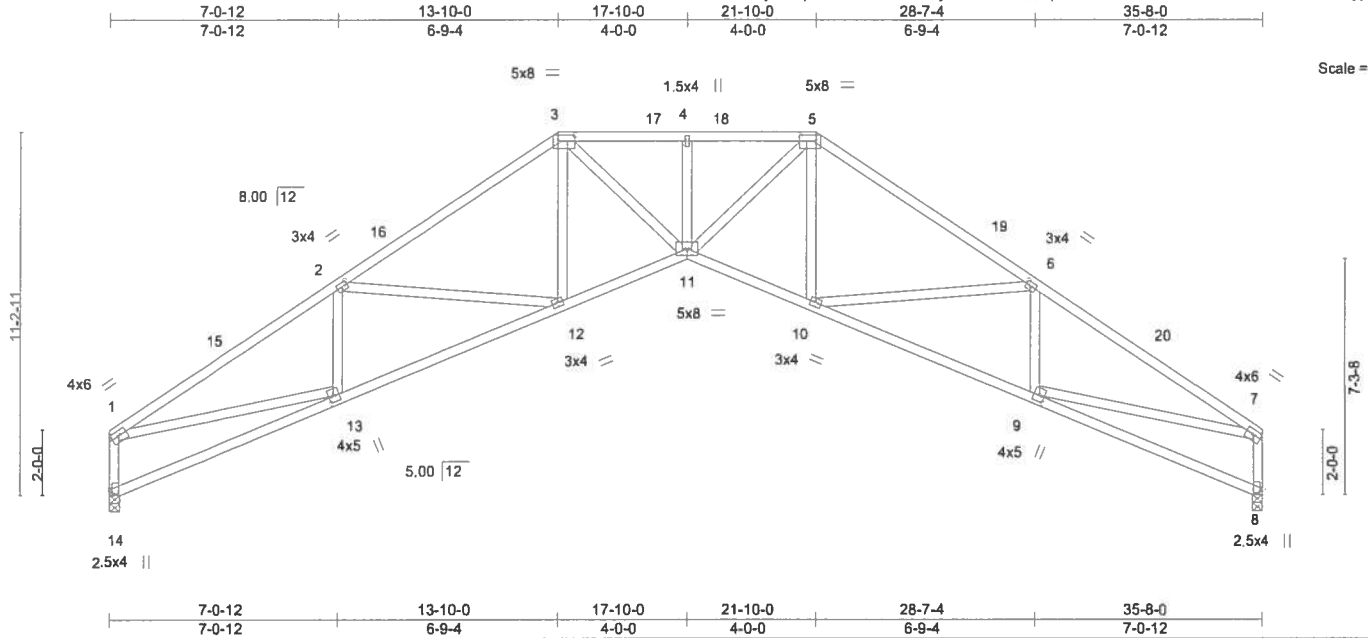


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808515
S1086	T7	Hip	2	1		

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:26 2019 Page 1
ID: ?Mij3E2qAlitO7As1T8QPbyaTXS-iEi1Js0qYHcKGN1S6OFQ9DuMRvP2i?LzEldnD5ypyt



Scale = 1:69.6

Plate Offsets (X,Y)- [1:Edge,0-1-12], [2:0-1-12,0-1-8], [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [6:0-1-12,0-1-8], [7:Edge,0-1-12], [8:0-1-8,0-1-0], [9:0-2-4,0-1-12], [13:0-2-4,0-1-12], [14:0-1-8,0-1-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.83	Vert(LL)	-0.24	11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.62	Vert(CT)	-0.44	11	>963	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.45	8	n/a	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-MS						Weight: 209 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-0 oc bracing.

REACTIONS.

(lb/size) 14=1309/0-4-0, 8=1309/0-4-0
Max Horz 14=-416(LC 10)
Max Uplift 14=-480(LC 12), 8=-480(LC 12)

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

TOP CHORD 1-2=-2662/1184, 2-3=-2645/1176, 3-4=-3193/1438, 4-5=-3193/1438, 5-6=-2645/1166,
6-7=-2662/1152, 1-14=-1337/639, 7-8=-1316/649
BOT CHORD 13-14=-442/508, 12-13=-1023/2589, 11-12=-736/2407, 10-11=-704/2284, 9-10=-963/2332
WEBS 2-13=-395/302, 2-12=-391/304, 3-12=-91/323, 3-11=-485/1469, 5-11=-525/1580,
5-10=-91/331, 6-10=-408/304, 6-9=-395/306, 1-13=-797/2076, 7-9=-804/2076

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 13-10-0, Exterior(2) 13-10-0 to 18-10-8, Interior(1) 18-10-8 to 21-10-0, Exterior(2) 21-10-0 to 26-10-8, Interior(1) 26-10-8 to 35-6-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 14, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=480, 8=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8, 2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808516
S1086	T8	Piggyback Base	9	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:27 2019 Page 1
ID: ?Mij3E2qAlIT07As1T8QPbyaTXS-BRGPWB1SJbIBuXceg5mfhQQXBjIHRb6TOMKIXypis

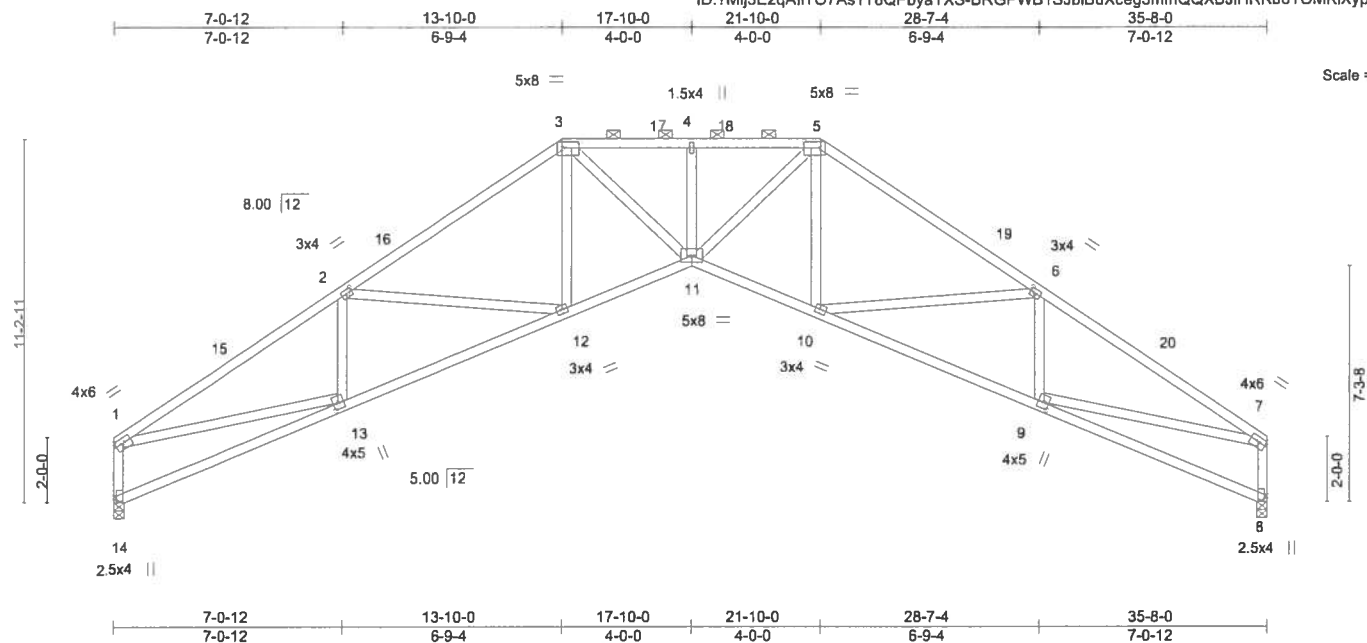


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-1-12,0-1-8], [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [6:0-1-12,0-1-8], [7:Edge,0-1-12], [8:0-1-8,0-1-0], [9:0-2-4,0-1-12], [13:0-2-4,0-1-12], [14:0-1-8,0-1-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.83	Vert(LL)	-0.24	11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.62	Vert(CT)	-0.44	11	>963	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.45	8	n/a	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-MS						Weight: 209 lb	FT = 20%

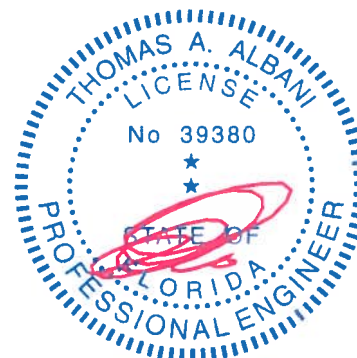
LUMBER-	BRACING-	
TOP CHORD	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and
BOT CHORD	BOT CHORD	2-0-0 oc purlins (3-4-8 max.); 3-5.
WEBS		Rigid ceiling directly applied or 6-2-0 oc bracing.

REACTIONS. (lb/size) 14=1309/0-4-0, 8=1309/0-4-0
Max Horz 14=416(LC 11)
Max Uplift 14=480(LC 12), 8=480(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2662/1184, 2-3=-2645/1176, 3-4=-3193/1438, 4-5=-3193/1438, 5-6=-2645/1166,
6-7=-2662/1152, 1-14=-1337/639, 7-8=-1316/649
BOT CHORD 13-14=-442/508, 12-13=-1023/2589, 11-12=-736/2407, 10-11=-704/2284, 9-10=-963/2332
WEBS 2-13=-395/302, 2-12=-391/304, 3-12=-91/323, 3-11=-485/1469, 5-11=-525/1580,
5-10=-91/331, 6-10=-408/304, 6-9=-395/306, 1-13=-797/2076, 7-9=-804/2076

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCPI=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 13-10-0, Exterior(2) 13-10-0 to 18-10-8, Interior(1) 18-10-8 to 21-10-0, Exterior(2) 21-10-0 to 26-10-8, Interior(1) 26-10-8 to 35-6-4 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) 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) Bearing at joint(s) 14, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=480, 8=480.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808517
S1086	T9	Hip	1	1		

Duley Truss, Dunnellon, FL - 34430,

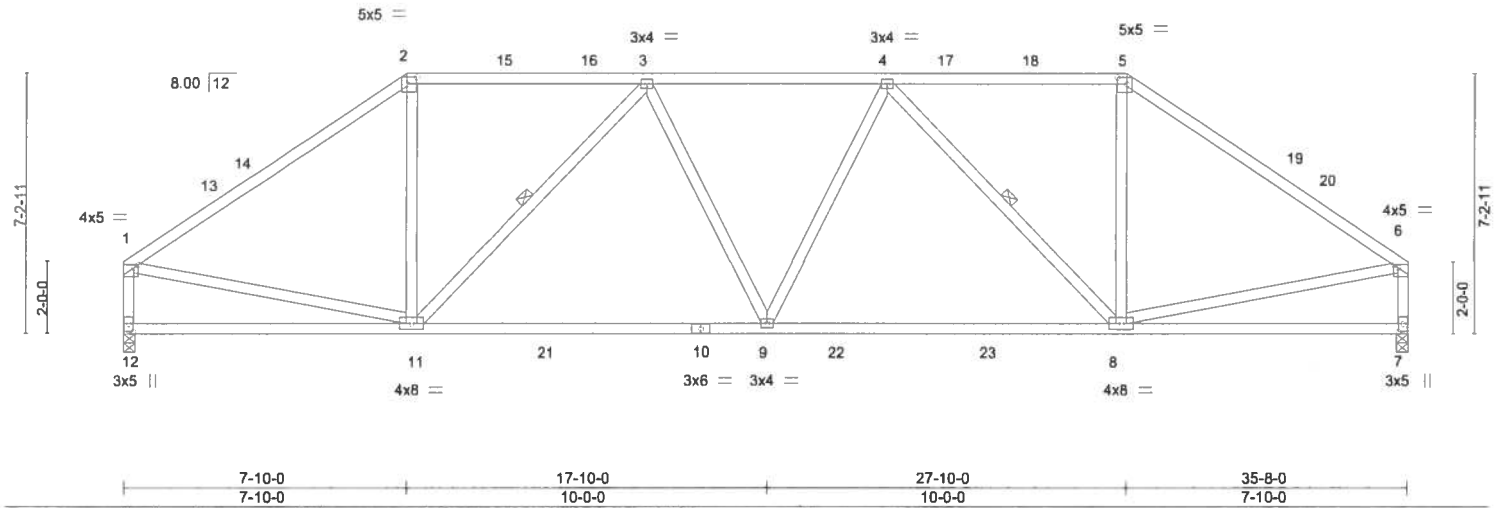
8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:29 2019 Page 1

ID:7Mij3E2qAliTO7As1T8QPbyaTXS-7pOAXt2irC7v7nm0oWp7nrWt16N8vRVpwrRpQypylq

Job Reference (optional)



Scale = 1.62.5



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.88	Vert(LL)	-0.21 9-11 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.38 9-11 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.05 7 n/a n/a				
BCDL	10.0	Code FRC2017/TPI2014		Matrix-MS							
								Weight: 208 lb FT = 20%			

LUMBER-

TOP CHORD 2x4 SP No.1 *Except*
2-5: 2x4 SP No.2D
BOT CHORD 2x4 SP No.1 *Except*
10-12: 2x4 SP No.2D
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-8 oc bracing.
WEBS 1 Row at midpt 3-11, 4-8

REACTIONS.

(lb/size) 12=1309/0-4-0, 7=1309/0-4-0
Max Horz 12=274(LC 11)
Max Uplift 12=480(LC 12), 7=480(LC 12)
Max Grav 12=1338(LC 17), 7=1338(LC 18)

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

TOP CHORD 1-2=-1571/712, 2-3=-1278/715, 3-4=-1765/905, 4-5=-1277/715, 5-6=-1571/712,
1-12=-1279/643, 6-7=-1278/643
BOT CHORD 11-12=-253/332, 9-11=-708/1769, 8-9=-715/1734
WEBS 2-11=-53/530, 3-11=-739/341, 4-8=-739/341, 5-8=-53/530, 1-11=-363/1167,
6-8=-364/1168

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 7-10-0, Exterior(2) 7-10-0 to 12-10-8, Interior(1) 12-10-8 to 27-10-0, Exterior(2) 27-10-0 to 32-10-8, Interior(1) 32-10-8 to 35-6-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=480, 7=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSITP11 Quality Criteria, DSB-85 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job S1086	Truss T10	Truss Type Hip	Qty 1	Ply 1	BUDZINSKI RES	T17808518
Job Reference (optional)						

Duley Truss, Dunnellon, FL - 34430.

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:15 2019 Page 1
ID: ?Mij3E2qAliTO7As1T8QPbyaTXS-X7Yt?5uw8vEuShiKzaZrCvwRhTe?d1NLiXSILePyj2

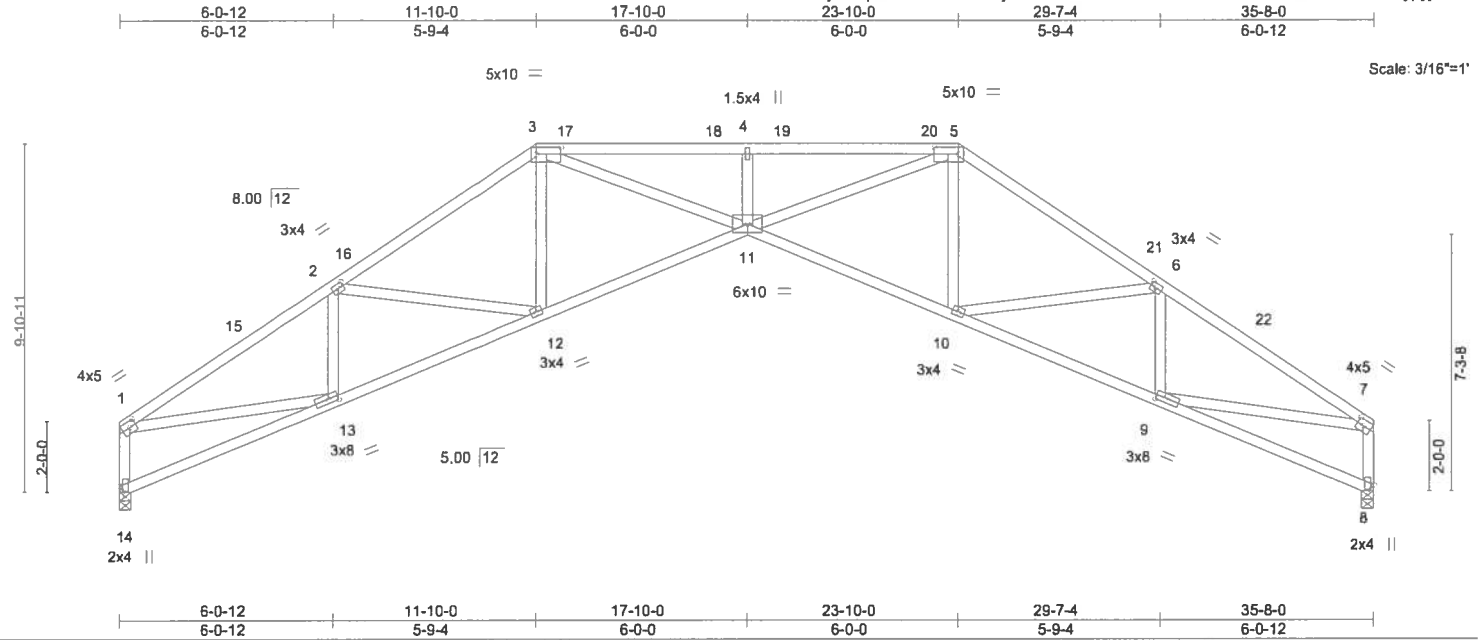


Plate Offsets (X,Y)- [1:0-2-4,0-2-0], [2:0-1-12,0-1-8], [3:0-8-4,0-2-4], [5:0-8-4,0-2-4], [6:0-1-12,0-1-8], [7:0-2-4,0-2-0], [8:0-1-12,0-1-0], [9:0-3-4,0-1-8], [13:0-3-4,0-1-8], [14:0-1-12,0-1-0]

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 1.00	Vert(LL)	-0.42	11	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.77	11	>555		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.73	8	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-MS					Weight: 200 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2D *Except*
3-5: 2x4 SP No.1
BOT CHORD 2x4 SP No.2D
WEBS 2x4 SP No.3 *Except*
3-11,5-11: 2x4 SP No.2D

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-1 oc bracing.

REACTIONS.

(lb/size) 14=1309/0-4-0, 8=1309/0-4-0
Max Horz 14=370(LC 11)
Max Uplift 14=480(LC 12), 8=480(LC 12)

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

TOP CHORD 1-2=-2486/1141, 2-3=-2712/1243, 3-4=-5090/2231, 4-5=-5090/2231, 5-6=-2712/1232,
6-7=-2486/1104, 1-14=-1289/639, 7-8=-1275/646
BOT CHORD 13-14=-393/435, 12-13=-1005/2404, 11-12=-851/2457, 10-11=-821/2367, 9-10=-942/2194
WEBS 2-13=-493/326, 2-12=-173/313, 3-11=-1190/3122, 4-11=-344/303, 5-11=-1219/3125,
6-10=-190/313, 6-9=-493/329, 1-13=-783/1946, 7-9=-789/1946

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat II; Exp C; Encl. GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 11-10-0, Exterior(2) 11-10-0 to 16-10-8, Interior(1) 16-10-8 to 23-10-0, Exterior(2) 23-10-0 to 28-10-8, Interior(1) 28-10-8 to 35-6-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) 14, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=480, 8=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808519
S1086	T11	Hip	1	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:16 2019 Page 1
ID: ?Mij3E2qAlIT07As1T8QPbyaTXS-7J6FDRuYvCM4rGXXH44I6ThUxbMZgUxBCFtgypj1

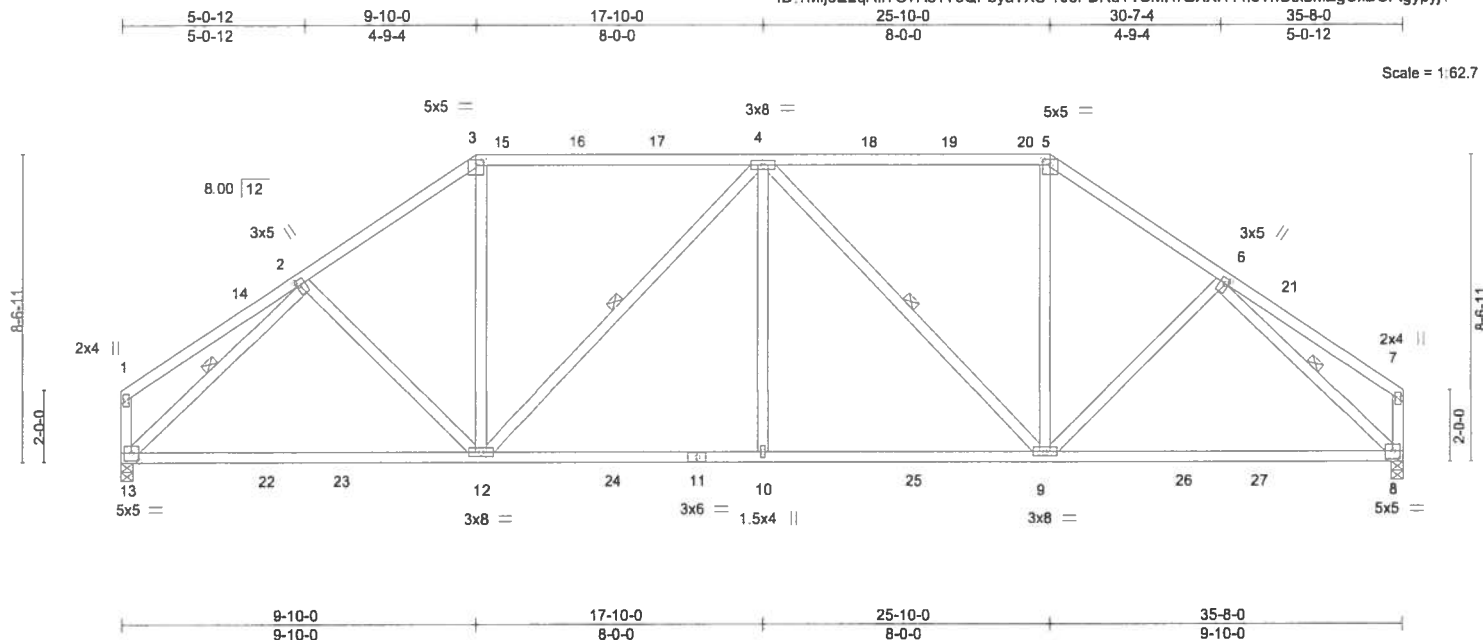


Plate Offsets (X,Y)=-		[2.0-1-12,0-1-0], [3.0-2-8,0-1-13], [5.0-2-8,0-1-13], [6.0-1-12,0-1-0], [8.0-2-8,0-2-12], [13.0-2-8,0-2-12]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.21 12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.43 12-13	>991	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.06 8	n/a	n/a		
BCDL	10.0	Code FRC2017/TPI2014		Matrix-MS						Weight: 225 lb	FT = 20%

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

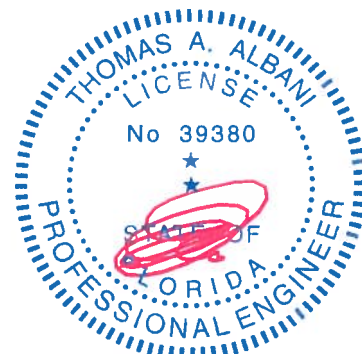
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-1 oc bracing.
WEBS 1 Row at midpt 4-12, 4-9, 2-13, 6-8

REACTIONS. (lb/size) 13=1309/0-4-0, 8=1309/0-4-0
Max Horz 13=320(LC 11)
Max Uplift 13=480(LC 12), 8=480(LC 12)
Max Grav 13=1341(LC 17), 8=1341(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-252/143, 2-3=-1510/771, 3-4=-1232/718, 4-5=-1232/718, 5-6=-1510/771,
6-7=-252/143, 1-13=-261/150, 7-8=-260/150
BOT CHORD 12-13=-550/1297, 10-12=-590/1628, 9-10=-590/1628, 8-9=-517/1094
WEBS 3-12=-163/517, 4-12=-607/243, 4-10=0/414, 4-9=-607/243, 5-9=-163/518,
2-13=-1446/695, 6-8=-1446/695

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf, BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-8-9, Interior(1) 3-8-9 to 9-10-0, Exterior(2) 9-10-0 to 14-10-8, Interior(1) 14-10-8 to 25-10-0, Exterior(2) 25-10-0 to 30-8-13, Interior(1) 30-8-13 to 35-6-4 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=480, 8=480.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8, 2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing Indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	BUDZINSKI RES	T17808520
S1086	T16	Hip Supported Gable	2	1	Job Reference (optional)	

Duley Truss, Dunnellon, FL - 34430,

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 8 08:57:18 2019 Page 1

ID:7Mij3E2qAliTO7As1T8QPbyaTXS-xiD?e6wpRqcSJ8Qvei6YqXYAYhongZ3nOVhMyYpyj?

0-6-9 35-1-7 35-8-0
0-6-9 34-6-15 0-6-9

Scale 3/16"=1'

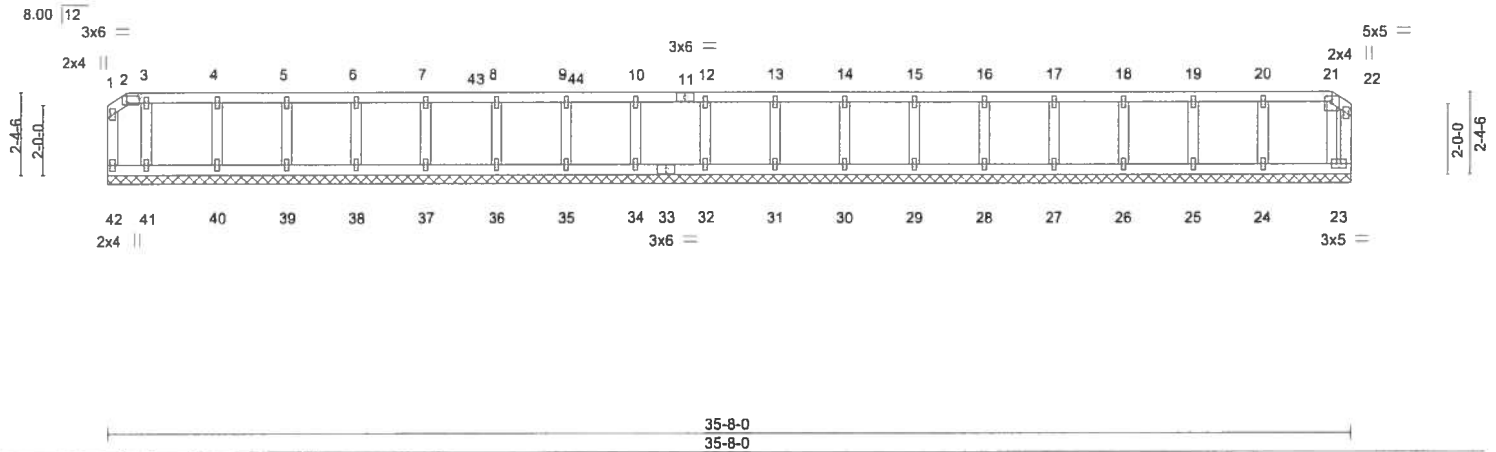


Plate Offsets (X,Y)- [2:0-4-8,0-2-8], [21:0-2-8,0-1-13]

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 0.12	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	-0.00	23	n/a		
BCDL 10.0	Code FRC2017/TPI2014		Matrix-R					Weight: 159 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 35-8-0.
(lb) - Max Horz 42=105(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 42, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41
Max Grav All reactions 250 lb or less at joint(s) 42, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCCL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=36ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 4-1-5, Exterior(2) 4-1-5 to 35-1-7, Corner(3) 35-1-7 to 35-6-4 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Provide adequate drainage to prevent water ponding.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 42, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 8, 2019

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

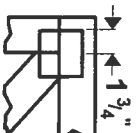
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCS Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



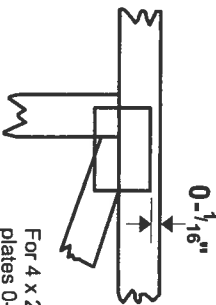
6904 Parke East Blvd.
Tampa, FL 33610

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- $\frac{1}{16}$ " 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

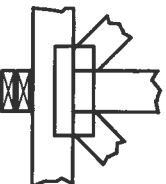
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



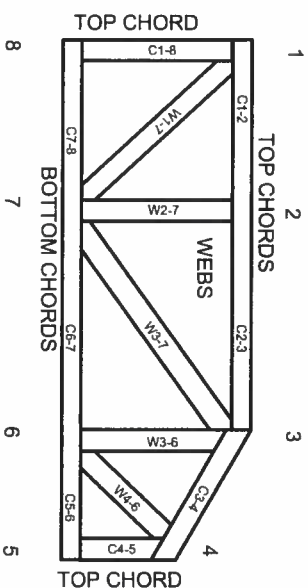
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

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



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

© 2012 MITek® All Rights Reserved



MITek Engineering Reference Sheet: MIL-7473 rev. 10/03/2015



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 Quality Criteria.

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Budzinski Residence			Bedrooms:	3		Address Type:	Street Address					
Building Type:	User			Conditioned Area:	1728		Lot #						
Owner Name:	Jim Budzinski			Total Stories:	1		Block/Subdivision:						
# of Units:	1			Worst Case:	No		PlatBook:						
Builder Name:				Rotate Angle:	0		Street:	850 SW Rock Way					
Permit Office:	Columbia County			Cross Ventilation:	Yes		County:	Columbia					
Jurisdiction:				Whole House Fan:	No		City, State, Zip:	Ft. White , FL ,					
Family Type:	Single-family												
New/Existing:	New (From Plans)												
Comment:													
CLIMATE													
✓	Design Location	TMY Site		Design Temp 97.5 % 2.5 %		Int Design Temp Winter Summer		Heating Degree Days	Design Moisture	Daily Temp Range			
_____	FL, Gainesville	FL_GAINESVILLE_REGI		32 92		70 75		1305.5	51	Medium			
BLOCKS													
	Number	Name	Area	Volume									
	1	Block1	1728	15552									
SPACES													
	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated		
	1	Main	1728	15552	Yes	6	3	1	Yes	Yes	Yes		
FLOORS													
✓	#	Floor Type	Space	Perimeter	R-Value	Area				Tile	Wood	Carpet	
_____	1	Slab-On-Grade Edge Insulation	Main	168 ft	0	1728 ft²	----			0	0	1	
ROOF													
✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Metal	2077 ft²	0 ft²	Light	Y	0.96	No	0.9	No	0	33.7
ATTIC													
✓	#	Type	Ventilation	Vent Ratio (1 in)		Area	RBS	IRCC					
_____	1	Partial cathedral ceili	Vented	300		1728 ft²	Y	N					
CEILING													
✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac		Truss Type				
_____	1	Under Attic (Vented)	Main	38	Double Batt	1900 ft²	0.11		Wood				

INPUT SUMMARY CHECKLIST REPORT

WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
1	S	Exterior	Log - 6 inch	Main	5	48	9	432.0 ft²	0	0	0.75	0
2	E	Exterior	Log - 6 inch	Main	5	36	9	324.0 ft²	0	0	0.75	0
3	N	Exterior	Log - 6 inch	Main	5	48	9	432.0 ft²	0	0	0.75	0
4	W	Exterior	Log - 6 inch	Main	5	36	9	324.0 ft²	0	0	0.75	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
1	N	Wood	Main	None	.46	3	6	20 ft²
2	W	Wood	Main	None	.46	2	8	17.8 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
1	S	1	Wood	Low-E Double	Yes	0.36	0.25	N	58.6 ft²	9 ft 6 in	1 ft 0 in	None	None
2	S	1	TIM	Low-E Double	Yes	0.36	0.25	N	33.3 ft²	9 ft 6 in	1 ft 0 in	None	None
3	E	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	29.3 ft²	9 ft 6 in	1 ft 0 in	None	None
4	E	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	6.1 ft²	9 ft 6 in	1 ft 0 in	None	None
5	N	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	14.6 ft²	9 ft 6 in	1 ft 0 in	None	None
6	N	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	8.0 ft²	9 ft 6 in	1 ft 0 in	None	None
7	W	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	8.0 ft²	9 ft 6 in	1 ft 0 in	None	None
8	W	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	29.3 ft²	9 ft 6 in	1 ft 0 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1296	71.15	133.81	.1128	5

HEATING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump/	None	HSPF:8.2	27.67 kBtu/hr	1	sys#1

COOLING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
1	Central Unit/	None	SEER: 14	19.09 kBtu/hr	570 cfm	0.7	1	sys#1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM											
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation		
	1	Electric	None	Main	0.92	50 gal	40 gal	120 deg	None		

SOLAR HOT WATER SYSTEM							
✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
	None	None			ft²		

DUCTS														
✓	#	--- Supply ---			--- Return ---		Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat Cool	
		Location	R-Value	Area	Location	Area								
	1	Attic	6	432 ft²	Attic	86.4 ft²	Default Leakage	Main	(Default)	c(Default)	c		1	1

TEMPERATURES													
Programable Thermostat: Y				Ceiling Fans:									
Cooling Heating Venting	<input checked="" type="checkbox"/> Jan <input type="checkbox"/> Jan <input type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb <input type="checkbox"/> Feb <input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar <input type="checkbox"/> Mar <input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr <input type="checkbox"/> Apr <input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May <input type="checkbox"/> May <input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun <input type="checkbox"/> Jun <input type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul <input type="checkbox"/> Jul <input type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug <input type="checkbox"/> Aug <input type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep <input type="checkbox"/> Sep <input type="checkbox"/> Sep	<input type="checkbox"/> Oct <input type="checkbox"/> Oct <input checked="" type="checkbox"/> Oct	<input type="checkbox"/> Nov <input checked="" type="checkbox"/> Nov <input type="checkbox"/> Nov	<input type="checkbox"/> Dec <input type="checkbox"/> Dec <input checked="" type="checkbox"/> Dec	
Thermostat Schedule:	HERS 2006 Reference												
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66

MASS				
Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.3	Main

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD**ESTIMATED ENERGY PERFORMANCE INDEX* = 100****The lower the Energy Performance Index, the more efficient the home.**

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level	
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts	R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts	R <u>6.0</u>
4. Number of bedrooms	4. <u>3</u>	c) AHU location	<u>Main</u>
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system:	Capacity <u>19.1</u>
6. Conditioned floor area (sq. ft.)	6. <u>1728</u>	a) Split system	SEER <u> </u>
7. Windows, type and area		b) Single package	SEER <u> </u>
a) U-factor:(weighted average)	7a. <u>0.360</u>	c) Ground/water source	SEER/COP <u> </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.250</u>	d) Room unit/PTAC	EER <u> </u>
c) Area	7c. <u>187.3</u>	e) Other	<u>14.0</u>
8. Skylights		14. Heating system:	Capacity <u>27.7</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump	HSPF <u> </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump	HSPF <u> </u>
9. Floor type, insulation level:		c) Electric resistance	COP <u> </u>
a) Slab-on-grade (R-value)	9a. <u>0.0</u>	d) Gas furnace, natural gas	AFUE <u> </u>
b) Wood, raised (R-value)	9b. <u> </u>	e) Gas furnace, LPG	AFUE <u> </u>
c) Concrete, raised (R-value)	9c. <u> </u>	f) Other	<u>8.20</u>
10. Wall type and insulation:		15. Water heating system	
A. Exterior:		a) Electric resistance	EF <u>0.92</u>
1. Wood frame (Insulation R-value)	10A1. <u> </u>	b) Gas fired, natural gas	EF <u> </u>
2. Masonry (Insulation R-value)	10A2. <u> </u>	c) Gas fired, LPG	EF <u> </u>
B. Adjacent:		d) Solar system with tank	EF <u> </u>
1. Wood frame (Insulation R-value)	10B1. <u> </u>	e) Dedicated heat pump with tank	EF <u> </u>
2. Masonry (Insulation R-value)	10B2. <u> </u>	f) Heat recovery unit	HeatRec% <u> </u>
11. Ceiling type and insulation level		g) Other	
a) Under attic	11a. <u>38.0</u>	16. HVAC credits claimed (Performance Method)	
b) Single assembly	11b. <u> </u>	a) Ceiling fans	<u> </u>
c) Knee walls/skylight walls	11c. <u> </u>	b) Cross ventilation	<u>Yes</u>
d) Radiant barrier installed	11d. <u>Yes</u>	c) Whole house fan	<u>No</u>
		d) Multizone cooling credit	<u> </u>
		e) Multizone heating credit	<u> </u>
		f) Programmable thermostat	<u>Yes</u>

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: 850 SW Rock Way City/FL Zip: Ft. White, FL

Residential System Sizing Calculation

Summary

Jim Budzinski
850 SW Rock Way
Ft. White, FL

Project Title:
Budzinski Residence

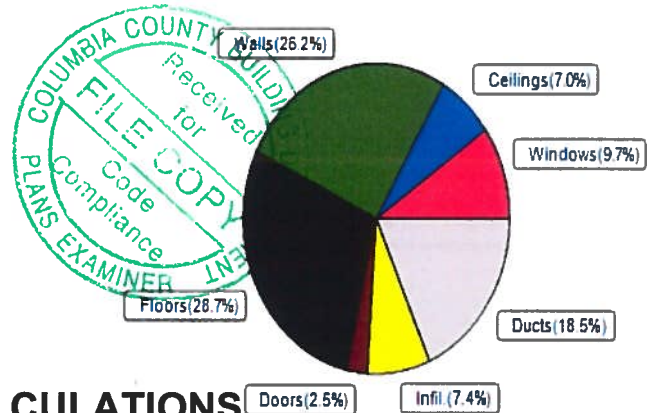
6/20/2019

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature(TMY3 99%)	30 F	Summer design temperature(TMY3 99%)	94 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	19 F
Total heating load calculation	27670 Btuh	Total cooling load calculation	19365 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	100.0 27670	Sensible (SHR = 0.70)	85.2 13360
Heat Pump + Auxiliary(0.0kW)	100.0 27670	Latent	155.1 5726
		Total (Electric Heat Pump)	98.6 19086

WINTER CALCULATIONS

Winter Heating Load (for 1728 sqft)

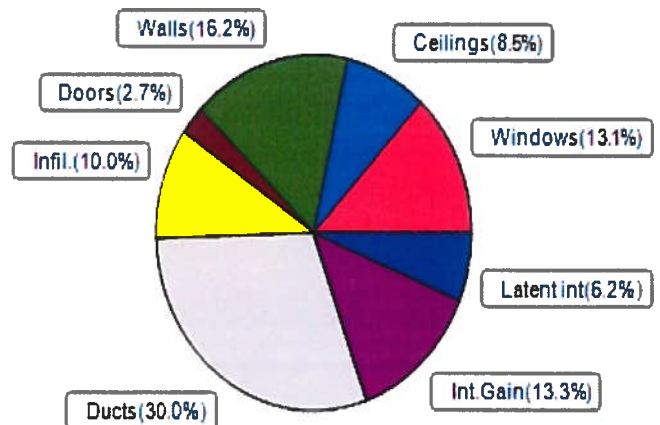
Load component		Load	
Window total	187 sqft	2697	Btuh
Wall total	1287 sqft	7255	Btuh
Door total	38 sqft	695	Btuh
Ceiling total	1900 sqft	1929	Btuh
Floor total	1728 sqft	7930	Btuh
Infiltration	47 cfm	2048	Btuh
Duct loss		5118	Btuh
Subtotal		27670	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		27670	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1728 sqft)

Load component		Load	
Window total	187 sqft	2545	Btuh
Wall total	1287 sqft	3138	Btuh
Door total	38 sqft	521	Btuh
Ceiling total	1900 sqft	1640	Btuh
Floor total		0	Btuh
Infiltration	35 cfm	730	Btuh
Internal gain		2580	Btuh
Duct gain		4522	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		15675	Btuh
Latent gain(ducts)		1280	Btuh
Latent gain(infiltration)		1211	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		3691	Btuh
TOTAL HEAT GAIN		19365	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

DATE:

[Signature]
6/20/2019

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jim Budzinski
850 SW Rock Way
Ft. White, FL

Project Title:
Budzinski Residence
Building Type: User

6/20/2019

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 40.0 F (TMY3 99%)

Component Loads for Whole House								
Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load
1	2, NFRC 0.25	Wood	0.36	S	58.6		14.4	844 Btuh
2	2, NFRC 0.25	TIM	0.36	S	33.3		14.4	480 Btuh
3	2, NFRC 0.25	Vinyl	0.36	E	29.3		14.4	422 Btuh
4	2, NFRC 0.25	Vinyl	0.36	E	6.1		14.4	88 Btuh
5	2, NFRC 0.25	Vinyl	0.36	N	14.6		14.4	211 Btuh
6	2, NFRC 0.25	Vinyl	0.36	N	8.0		14.4	116 Btuh
7	2, NFRC 0.25	Vinyl	0.36	W	8.0		14.4	116 Btuh
8	2, NFRC 0.25	Vinyl	0.36	W	29.3		14.4	422 Btuh
	Window Total					187.3(sqft)		2697 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Log - 6inch	- Ext	(0.141)	5.0/0.0	340		5.64	1917 Btuh
2	Log - 6inch	- Ext	(0.141)	5.0/0.0	289		5.64	1627 Btuh
3	Log - 6inch	- Ext	(0.141)	5.0/0.0	389		5.64	2195 Btuh
4	Log - 6inch	- Ext	(0.141)	5.0/0.0	269		5.64	1516 Btuh
	Wall Total					1287(sqft)		7255 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Wood - Exterior,	n	(0.460)		20		18.4	368 Btuh
2	Wood - Exterior,	n	(0.460)		18		18.4	327 Btuh
	Door Total					38(sqft)		695Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Metal		(0.025)	38.0/0.0	1900		1.0	1929 Btuh
	Ceiling Total					1900(sqft)		1929Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	168.0 ft(perim.)		47.2	7930 Btuh
	Floor Total					1728 sqft		7930 Btuh
	Envelope Subtotal:							20505 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		Load
	Natural		0.18	15552	1.00	46.8		2048 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)					(DLM of 0.227)		5118 Btuh
All Zones	Sensible Subtotal All Zones							27670 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jim Budzinski
850 SW Rock Way
Ft. White, FL

Project Title:
Budzinski Residence
Building Type: User

6/20/2019

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	27670 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	27670 Btuh

EQUIPMENT

1. Electric Heat Pump	#	27670 Btuh
-----------------------	---	------------

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Jim Budzinski
850 SW Rock Way
Ft. White, FL

Project Title:
Budzinski Residence

6/20/2019

Reference City: Gainesville, FL

Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

Window	Type*						Overhang		Window Area(sqft)			HTM		Load	
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.25, 0.36	No	No	S		9.5ft.	1.0ft.	58.6	58.6	0.0	12	14	709	Btuh
2	2 NFRC	0.25, 0.36	No	No	S		9.5ft.	1.0ft.	33.3	33.3	0.0	12	14	403	Btuh
3	2 NFRC	0.25, 0.36	No	No	E		9.5ft.	1.0ft.	29.3	29.3	0.0	12	31	354	Btuh
4	2 NFRC	0.25, 0.36	No	No	E		9.5ft.	1.0ft.	6.1	6.1	0.0	12	31	74	Btuh
5	2 NFRC	0.25, 0.36	No	No	N		9.5ft.	1.0ft.	14.6	0.0	14.6	12	12	177	Btuh
6	2 NFRC	0.25, 0.36	No	No	N		9.5ft.	1.0ft.	8.0	0.0	8.0	12	12	97	Btuh
7	2 NFRC	0.25, 0.36	No	No	W		9.5ft.	1.0ft.	8.0	8.0	0.0	12	31	97	Btuh
8	2 NFRC	0.25, 0.36	No	No	W		9.5ft.	1.0ft.	29.3	29.3	0.0	12	31	354	Btuh
	Excursion													279	Btuh
	Window Total								187 (sqft)					2545 Btuh	
Walls	Type					U-Value	R-Value		Area(sqft)			HTM		Load	
							Cav/Sheath								
1	Log - 6inch - Ext					0.14	5.0/0.0		340.1			2.4		829 Btuh	
2	Log - 6inch - Ext					0.14	5.0/0.0		288.6			2.4		704 Btuh	
3	Log - 6inch - Ext					0.14	5.0/0.0		389.3			2.4		949 Btuh	
4	Log - 6inch - Ext					0.14	5.0/0.0		268.9			2.4		656 Btuh	
	Wall Total								1287 (sqft)					3138 Btuh	
Doors	Type								Area (sqft)			HTM		Load	
1	Wood - Exterior								20.0			13.8		276 Btuh	
2	Wood - Exterior								17.8			13.8		245 Btuh	
	Door Total								38 (sqft)					521 Btuh	
Ceilings	Type/Color/Surface					U-Value	R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/Light/Meta/RB					0.025	38.0/0.0		1900.0			0.86		1640 Btuh	
	Ceiling Total								1900 (sqft)					1640 Btuh	
Floors	Type						R-Value		Size			HTM		Load	
1	Slab On Grade						0.0		1728 (ft-perimeter)			0.0		0 Btuh	
	Floor Total								1728.0 (sqft)					0 Btuh	
	Envelope Subtotal:													7843 Btuh	
Infiltration	Type					Average ACH		Volume(cuft)		Wall Ratio		CFM=		Load	
	Natural					0.14		15552		1		35.1		730 Btuh	
Internal gain					Occupants		Btuh/occupant		Appliance		Load				
					6		X 230		+		1200		2580 Btuh		
	Sensible Envelope Load:													11153 Btuh	
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)										(DGM of 0.405)			4522 Btuh	
	Sensible Load All Zones													15675 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jim Budzinski
850 SW Rock Way
Ft. White, FL

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Budzinski Residence

6/20/2019

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	11153 Btuh
	Sensible Duct Load	4522 Btuh
	Total Sensible Zone Loads	15675 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	15675 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	1211 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1280 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	3691 Btuh
	TOTAL GAIN	19365 Btuh

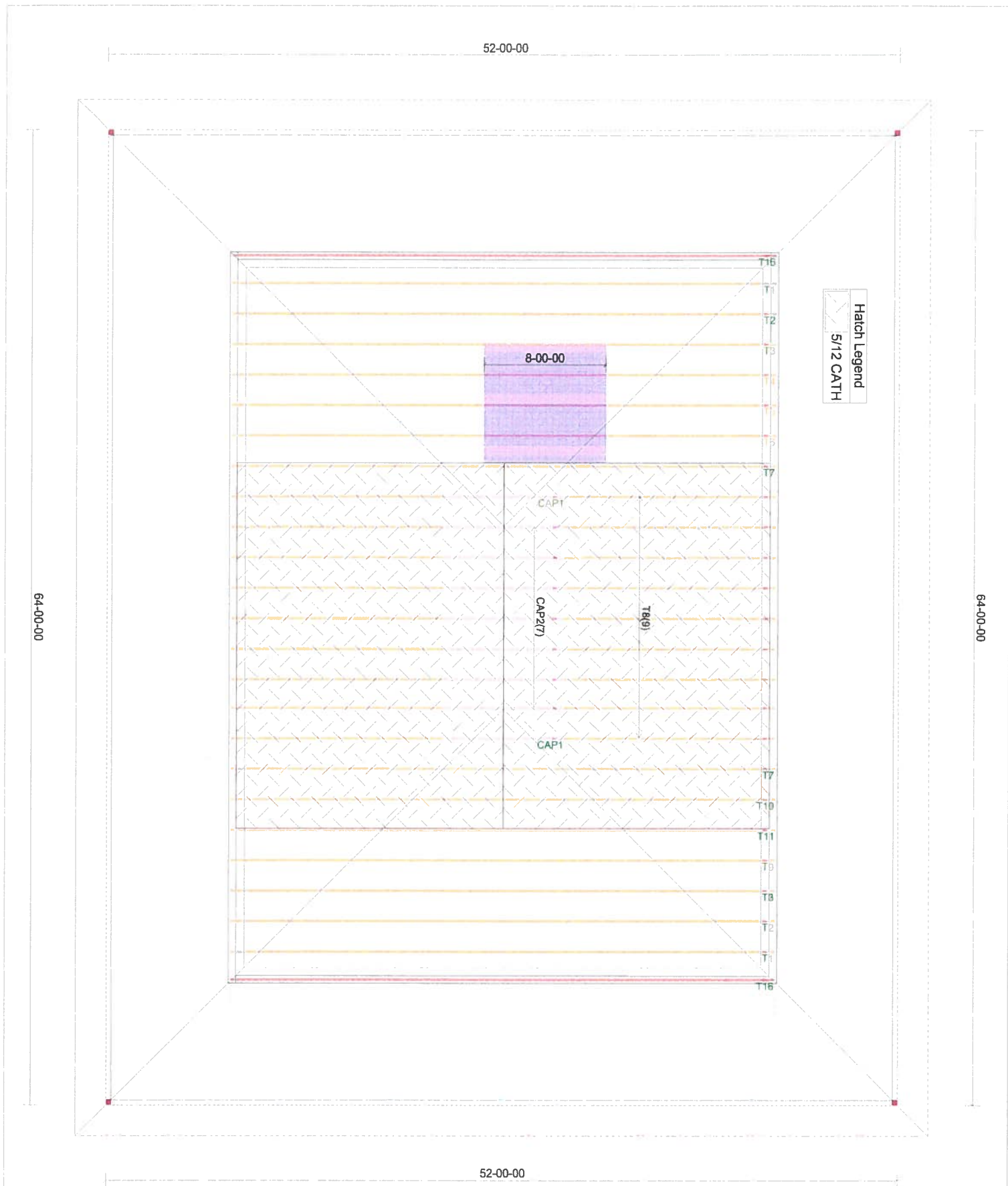
EQUIPMENT

1. Central Unit	#	19086 Btuh
-----------------	---	------------

*Key: Window types (Panels - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)



Version 8



JOB NO.
S1086

Customer: GADCO
Description: BUDZINSKI RES
Designer: Ryan Sherman

Pitch: ---
Overhang: ---

PRODUCT APPROVAL NUMBER
FL 2197.4
MT20 PLATES
MITEK INDUSTRIES, INC.



Quote # S1086
Order #



Duley Truss, Inc.
P.O. Box 340 Dunnellon, FL 34430
Office: (352) 465-0964
Fax: (352) 465-0463
duleytruss@bellsouth.net

Mailing Address:**GADCO**

108 NW 1ST STREET
WILLISTON, FL 32696

Phone: (352) 426-2558

Fax: () -

Contact:

Phone:

Email:

Job Delivery Address:

Name:

BUDZINSKI RES

Address:

P.O. Number:

Designer:

Ryan Sherman

Quote # S1086

Order #

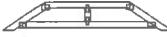








Printed: 08/08/19

Bldg Code: FRC2017/TPI2014	Wind Des Method	Exposure Cat	Occupancy Cat	Velocity / TC Dead / BC Dead
Bldg Cat: Residential	MWFRS(Directional)/C-C hybrid Wind ASCE 7-10	C	II	140.000 / 4.200 / 6.000

ROOF TRUSSES**LOADING INFORMATION**

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,7.0,0.0,10.0	1.25

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY	TOP	ID	BASE	TOP	LEFT OH		REACTIONS					
	PLY	BOT		O/A	BOT	RIGHT OH							
	2	8.00	CAP1	06-05-12	2 X 4		Jt	12	86	12	6	7	
High		30.3		215.6	211.9	201.0	12.4						
Low		-50.8		-82.4	-90.7	-79.7	-30.3						
Loc-X		00-03-02		00-09-02	04-00-00	07-02-14	07-08-14						
Loc-Y		00-00-00		00-03-06	00-03-06	00-03-06	00-00-00						
	7	8.00	CAP2	06-05-12	2 X 4		Jt	2	6	4			
High		159.1		214.9	159.1								
Low		-110.2		-18.3	-110.2								
Loc-X		00-09-02		04-00-00	07-02-14								
Loc-Y		00-03-06		00-03-06	00-03-06								
	2	8.00	T1	35-08-00	2 X 4		Jt	18	10				
High		1,308.8		1,308.8									
Low		-480.1		-480.1									
Loc-X		00-01-12		35-06-04									
Loc-Y		00-01-12		00-01-12									
	1	8.00	T10	35-08-00	2 X 4		Jt	14	8				
High		1,308.8		1,308.8									
Low		-480.1		-480.1									
Loc-X		00-01-12		35-06-04									
Loc-Y		00-00-15		00-00-15									
	1	8.00	T11	35-08-00	2 X 4		Jt	13	8				
High		1,404.4		1,404.4									
Low		-480.1		-480.1									
Loc-X		00-01-12		35-06-04									
Loc-Y		00-01-12		00-01-12									
	2	8.00	T16	35-08-00	2 X 4		Jt	42	41	40	39	38	37
High		82.5		158.2	155.2	146.4	148.4	147.9					
Low		-68.4		-83.3	-75.0	-61.2	-64.5	-63.6					
Loc-X		00-01-12		01-01-07	03-01-07	05-01-07	07-01-07	09-01-07					
Loc-Y		00-01-12		00-01-12	00-01-12	00-01-12	00-01-12	00-01-12					
	2	8.00	T2	35-08-00	2 X 4		Jt	15	9				
High		1,308.8		1,308.8									
Low		-480.1		-480.1									
Loc-X		00-01-12		35-06-04									
Loc-Y		00-01-12		00-01-12									
	2	8.00	T3	35-08-00	2 X 4		Jt	14	8				
High		1,317.0		1,308.8									
Low		-480.1		-480.1									
Loc-X		00-01-12		35-06-04									
Loc-Y		00-01-12		00-01-12									
	1	8.00	T4	35-08-00	2 X 4		Jt	15	9				
High		1,509.1		1,474.9									
Low		-451.5		-459.0									
Loc-X		00-01-12		35-06-04									
Loc-Y		00-01-12		00-01-12									

Quote # S1086
Order #



Duley Truss, Inc.
P.O. Box 340 Dunnellon, FL 34430
Office: (352) 465-0964
Fax: (352) 465-0463
duleytruss@bellsouth.net

Mailing Address:**GADCO**

108 NW 1ST STREET
WILLISTON, FL 32696

Phone: (352) 426-2558

Fax: () -

Contact:

Phone:

Email:

Job Delivery Address:

Name:

BUDZINSKI RES

Address:

P.O. Number:

Designer:
Ryan Sherman

Quote # S1086

Order #










Printed: 08/08/19

Bldg Code: FRC2017/TPI2014	Wind Des Method	Exposure Cat	Occupancy Cat	Velocity / TC Dead / BC Dead
Bldg Cat: Residential	MWFRS(Directional)/C-C hybrid Wind ASCE 7-10	C	II	140.000 / 4.200 / 6.000

ROOF TRUSSES**LOADING INFORMATION**

TCLL-TCDL-BCLL-BCDL	STRESS INCR.
20.0,7.0,0.0,10.0	1.25

ROOF TRUSS SPACING: 24.0 IN. O.C. (TYP.)

PROFILE	QTY	TOP	ID	BASE	TOP	LEFT OH	RIGHT OH	REACTIONS
PLY	BOT		O/A	BOT				
	2	8.00 0.00	CAP1	06-05-12 06-05-12	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	1 2 8 6 7 30.3 215.6 211.9 201.0 12.4 -50.8 -82.4 -90.7 -79.7 -30.3 00-03-02 00-09-02 04-00-00 07-02-14 07-08-14 00-00-00 00-03-06 00-03-06 00-03-06 00-00-00
	7	8.00 0.00	CAP2	06-05-12 06-05-12	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	2 6 4 159.1 214.9 159.1 -110.2 -18.3 -110.2 00-09-02 04-00-00 07-02-14 00-03-06 00-03-06 00-03-06
	2	8.00 0.00	T1	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	18 10 1,308.8 1,308.8 -480.1 -480.1 00-01-12 35-06-04 00-01-12 00-01-12
	1	8.00 5.00	T10	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	14 8 1,308.8 1,308.8 -480.1 -480.1 00-01-12 35-06-04 00-00-15 00-00-15
	1	8.00 0.00	T11	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	13 8 1,404.4 1,404.4 -480.1 -480.1 00-01-12 35-06-04 00-01-12 00-01-12
	2	8.00 0.00	T16	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	42 41 40 39 38 37 82.5 158.2 155.2 146.4 148.4 147.9 -68.4 -83.3 -75.0 -61.2 -64.5 -63.6 00-01-12 01-01-07 03-01-07 05-01-07 07-01-07 09-01-07 00-01-12 00-01-12 00-01-12 00-01-12 00-01-12 00-01-12
	2	8.00 0.00	T2	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	15 9 1,308.8 1,308.8 -480.1 -480.1 00-01-12 35-06-04 00-01-12 00-01-12
	2	8.00 0.00	T3	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	14 8 1,317.0 1,308.8 -480.1 -480.1 00-01-12 35-06-04 00-01-12 00-01-12
	1	8.00 0.00	T4	35-08-00 35-08-00	2 X 4 2 X 4		Jt High Low Loc-X Loc-Y	15 9 1,509.1 1,474.9 -451.5 -459.0 00-01-12 35-06-04 00-01-12 00-01-12






Quote # S1086	Order #	Printed: 08/08/19		
Bldg Code: FRC2017/TPI2014	Wind Des Method		Exposure Cat	Occupancy Cat
Bldg Cat: Residential	MWFRS(Directional)/C-C hybrid Wind ASCE 7-10		C	II
		Velocity / TC Dead / BC Dead		
		140.000 / 4.200 / 6.000		

ROOF TRUSSES

LOADING INFORMATION

TCLL TCCL BCLL BODL	STRESS INCR.
20.0,7.0,0.0,10.0	1.25

ROOF TRUSS SPACING:24.0 IN. O.C. (TYP.)

PROFILE	QTY	TOP	ID	BASE	TOP	LEFT OH	REACTIONS
	PLY	BOT		O/A	BOT	RIGHT OH	
	1	8.00	T5	35-08-00	2 X 4	Jt	17 10
		0.00		35-08-00	2 X 4	High	1,576.0 1,542.3
						Low	-451.5 -459.0
						Loc-X	00-01-12 35-06-04
						Loc-Y	00-01-12 00-01-12
	1	8.00	T6	35-08-00	2 X 4	Jt	18 10
		0.00		35-08-00	2 X 4	High	1,509.8 1,451.6
						Low	-451.5 -459.0
						Loc-X	00-01-12 35-06-04
						Loc-Y	00-01-12 00-01-12
	2	8.00	T7	35-08-00	2 X 4	Jt	14 8
		5.00		35-08-00	2 X 4	High	1,308.8 1,308.8
						Low	-480.1 -480.1
						Loc-X	00-01-12 35-06-04
						Loc-Y	00-00-15 00-00-15
	9	8.00	T8	35-08-00	2 X 4	Jt	14 8
		5.00		35-08-00	2 X 4	High	1,308.8 1,308.8
						Low	-480.1 -480.1
						Loc-X	00-01-12 35-06-04
						Loc-Y	00-00-15 00-00-15
	1	8.00	T9	35-08-00	2 X 4	Jt	12 7
		0.00		35-08-00	2 X 4	High	1,338.0 1,337.7
						Low	-480.1 -480.1
						Loc-X	00-01-12 35-06-04
						Loc-Y	00-01-12 00-01-12



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018
AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.3.1 THRU 1609.3.3.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

Revised 7/1/18

Website: <http://www.columbiacountyfla.com/BuildingandZoning.asp>

Items to Include-
Each Box shall be
Circled as
Applicable

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Select From Drop down

1	Two (2) complete sets of plans containing the following:	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
3	Condition space (Sq. Ft.) <u>1728</u> Total (Sq. Ft.) under roof <u>3328</u>	Yes	No	NA	

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	-	<input checked="" type="checkbox"/>		
5	Dimensions of all building set backs	-	<input checked="" type="checkbox"/>		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	-	<input checked="" type="checkbox"/>		
7	Provide a full legal description of property.	-	<input checked="" type="checkbox"/>		

Wind-load Engineering Summary, calculations and any details are required.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	Yes	No	NA
Select From Drop down				
9	Basic wind speed (3-second gust), miles per hour	-	<input checked="" type="checkbox"/>	
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	-	<input checked="" type="checkbox"/>	
11	Wind importance factor and nature of occupancy	-	<input checked="" type="checkbox"/>	
12	The applicable internal pressure coefficient, Components and Cladding	-	<input checked="" type="checkbox"/>	
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifi ally designed by the registered design professional.	-	<input checked="" type="checkbox"/>	

Elevations Drawing including:

14	All side views of the structure	-	<input checked="" type="checkbox"/>		
15	Roof pitch	-	<input checked="" type="checkbox"/>		
16	Overhang dimensions and detail with attic ventilation	-	<input checked="" type="checkbox"/>		
17	Location, size and height above roof of chimneys	-	<input checked="" type="checkbox"/>		
18	Location and size of skylights with Florida Product Approval	-	<input checked="" type="checkbox"/>		
19	Number of stories	-	<input checked="" type="checkbox"/>		
20	Building height from the established grade to the roofs highest peak	-	<input checked="" type="checkbox"/>		

Floor Plan Including:

21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	- ✓		
22	Raised floor surfaces located more than 30 inches above the floor or grade	-		✓
23	All exterior and interior shear walls indicated	-		
24	Shear wall opening shown (Windows, Doors and Garage doors)	- ✓		
25	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	- ✓		
26	Safety glazing of glass where needed	- ✓		✓
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	-		✓
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	-		✓
29	Identify accessibility of bathroom (see FBCR SECTION 320)	- ✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable	
---	--	--	--

FBCR 403: Foundation Plans

		Select From Drop down	
30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	- ✓	
31	All posts and/or column footing including size and reinforcing	- ✓	
32	Any special support required by soil analysis such as piling.	-	✓
33	Assumed load-bearing value of soil _____ Pound Per Square Foot	-	✓
34	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	- ✓	

FBCR 506: CONCRETE SLAB ON GRADE

35	Show Vapor retarder (6mil. Polyethylene with joints taped 6 inches and sealed)	- ✓	
36	Show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and Supports	- ✓	

FBCR 318: PROTECTION AGAINST TERMITES

37	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides	- ✓	
----	--	-----	--

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

38	Show all materials making up walls, wall height, and Block size, mortar type	- ✓	✓
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	-	✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

40	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	-		✓
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	-		✓
42	Girder type, size and spacing to load bearing walls, stem wall and/or piers	-	✓	✓
43	Attachment of joist to girder	-	✓	✓
44	Wind load requirements where applicable	-		✓
45	Show required under-floor crawl space	-		✓
46	Show required amount of ventilation opening for under-floor spaces	-		✓
47	Show required covering of ventilation opening	-		✓
48	Show the required access opening to access to under-floor spaces	-		✓
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	-		✓
50	Show Draftstopping, Fire caulking and Fire blocking	-		✓
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	-		✓
52	Provide live and dead load rating of floor framing systems (psf).	-		✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		Select from Drop down		
53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	-	✓	
54	Fastener schedule for structural members per table FBC-R602.3.2 are to be shown	-	✓	
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	-	✓	
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	-	✓	
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7.	-	✓	
58	Indicate where pressure treated wood will be placed	-	✓	
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	-	✓	
60	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	-		✓

FBCR :ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC-R 802.10. 1 Wood trusses	-	✓	
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	-	✓	
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	-	✓	
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	-		✓
65	Provide dead load rating of trusses	-	✓	

FBCR 802:Conventional Roof Framing Layout

66	Rafter and ridge beams sizes, span, species and spacing	-		✓
67	Connectors to wall assemblies' include assemblies' resistance to uplift rating	-	✓	
68	Valley framing and support details	-	✓	
69	Provide dead load rating of rafter system	-		✓

FBCR 803 ROOF SHEATHING

70	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	-	✓	
71	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	-	✓	

ROOF ASSEMBLIES FRC Chapter 9

72	Include all materials which will make up the roof assemblies covering	-	✓		
73	Submit Florida Product Approval numbers for each component of the roof assemblies covering	-	✓		

FBCR Chapter 11 Energy Efficiency Code for Residential Building

Residential construction shall comply with this code by using the following compliance methods in the FBCR Chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable			
---	--	--	--	--	--

Select from Drop Down

74	Show the insulation R value for the following areas of the structure	-	✓		
75	Attic space	-	✓		
76	Exterior wall cavity	-			✓
77	Crawl space	-			✓

HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	-	✓		
79	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	-	✓		
80	Show clothes dryer route and total run of exhaust duct	-	✓		

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	-	✓		
82	Show the location of water heater	-	✓		

Private Potable Water

83	Pump motor horse power	-			✓
84	Reservoir pressure tank gallon capacity	-			✓
85	Rating of cycle stop valve if used	-			✓

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	-	✓		
87	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	-	✓		
88	Show the location of smoke detectors & Carbon monoxide detectors	-	✓		
89	Show service panel, sub-panel, location(s) and total ampere ratings	-	✓		
90	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	-	✓		
91	Appliances and HVAC equipment and disconnects	-	✓		
92	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter, Protection device.	-	✓		

Notice Of Commencement:

A notice of commencement form RECORDED in the Columbia County Clerk Office is required to be filed with the Building Department BEFORE ANY INSPECTIONS can be performed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
---	--

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

Select from Drop down

93	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a \$15.00 application fee. The completed application with attached documents and application fee can be mailed.	- ✓		
94	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	- ✓		
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	- ✓		
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	-		✓
97	Toilet facilities shall be provided for all construction sites	- ✓		
98	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	-		✓
99	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations (Municode.com)	-		✓
100	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.	-		✓
101	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	-		
102	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	-		✓
103	911 Address: An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.	- ✓		

Ordinance Sec. 90-75. - Construction debris. (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

Disclosure Statement for Owner Builders:

If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.

****This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - <http://www.columbiacountyfla.com/BuildingandZoning.asp>**

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Therm-Tru		FL-15225.2
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Pella		FL-12952.2
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION	Pella		FL-13815.1
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL	Gulf Coast	26 Ga PBR	FL-11651.19
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson		FL-10456
B. WOOD ANCHORS			
C. TRUSS PLATES	Alpine		FL-1999
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite: 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES: _____

