

Trenco

818 Soundside Rd Edenton, NC 27932

Re: 1800518-1800518A Huntington A Wellons

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I32668630 thru I32668662

My license renewal date for the state of North Carolina is December 31, 2018.

North Carolina COA: C-0844



March 12,2018

Johnson, Andrew

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Ply Qty **Huntington A Wellons** Job Truss Truss Type 132668630 1800518-1800518A G1 Common Girder Job Reference (optional) 8.130 s Sep 15 2017 MTek Industries, Inc. Fri Mar 9 14:58:14 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-FyXeen6A7V83SDIFKiPloCulDKLoqUML_42YuRzcd_N 84 Components. Dunn, NC 28334 12-9-0 18-11-11 25-6-0 6-6-5 6-6-5 6-2-11 6-2-11 6-6-5 6x6 = 9.00 12 D 4x6 🥢 4x6 N Ε 4x6 / W X ΑВ AC L 5x12 MT18H = 6x6 = 3x6 II 3x6 8x8 6x6 = 6-6-5 12-9-0 18-11-11 25-6-0 Plate Offsets (X,Y) [I:0-4-8.0-1-8], [J:0-4-0.0-4-8], [L:0-4-8.0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) **Vdefl** L/d **PLATES** GRIP 20.0 Plate Grip DOL 0.39 Vert(LL) -0.11 >999 240 244/190 TCI.I. 1.25 TC J-I MT20 0.53 -0.27244/190 TCDL 10.0 Lumber DOL BC J-L >999 180 MT18H 1.25 Vert(TL) BCLL 0.0 Rep Stress Incr NO WB. 0.78 Horz(TL) 0.07 G n/a n/a Code IRC2012/TPI2007 BCDL 10.0 Matrix-MS Weight: 389 lb FT = 20%LUMBER-BRACING-Structural wood sheathing directly applied or 5-0-8 oc purlins. TOP CHORD 2x6 SP No.2 TOP CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. **BOT CHORD**

BOT CHORD 2x6 SP DSS

2x4 SP No.3 *Except* WEBS

D-J: 2x4 SP No.2

REACTIONS. (lb/size) A=6424/0-3-8 (req. 0-5-1), G=6015/0-3-8 (req. 0-4-11)

Max Horz A=-332(LC 25)

Max Uplift A=1513(LC 8), G=1286(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. A-B=8371/1940, B-D=5553/1365, D-F=5550/1364, F-G=7695/1666 TOP CHORD

A-L=1636/6668, J-L=1636/6668, I-J=-1227/6112, G-I=-1227/6112 **BOT CHORD** D-J=-1406/6198, F-J=-2264/718, F-I=-367/2351, B-J=-2977/1005, B-L=-701/3152

WEBS

NOTES-1) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Unbalanced roof live loads have been considered for this design.

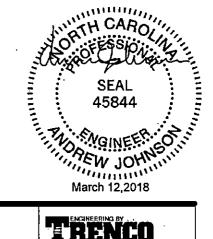
- 4) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) WARNING: Required bearing size at joint(s) A, G greater than input bearing size.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) A=1513, G=1286.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 940 lb down and 241 lb up at 1-6-12, 940 lb down and 241 lb up at 3-6-12, 940 lb down and 241 lb up at 5-6-12, 940 lb down and 241 lb up at 7-6-12, 940 lb down and 241 lb up at 7-6-12, 940 lb down and 241 lb up at 9-6-12, 873 lb down and 167 lb up at 11-6-12, 873 lb down and 167 lb up at 13-6-12, 686 lb down and 139 lb up at 14-9-12, 686 lb down and 139 lb up at 16-9-12, 686 lb down and 139 lb up at 18-9-12, 686 lb down and 139 lb up at 20-9-12, and 686 lb down and 139 lb up at 22-9-12, and 689 lb down and 136 lb up at 24-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2

⚠ WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rav. 10/03/2015 BEFORE USE. Design valid for use only with MITe® connectors. This design is based only upon parameters and properly incorporate this design in 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-89 and BCSI Building Component Safety information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Huntington A Wellons
1800518-1800518A	G1	Common Girder	1	2	Job Reference (optional)

84 Components,

Dunn, NC 28334

8,130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:14 2018 Page 2 ID:HQzvBvHPD22FQ9eQE7soz6zdgh-FyXeen6A7V83SDIFKIPloCulDKLoqUML_42YuRzcd_N

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: A-D=-60, D-G=-60, N-Q=-20
Concentrated Loads (lb)
Vert: K=-937(F) I=-675(F) S=-678(F) T=-937(F) U=-937(F) V=-937(F) W=-937(F) X=-830(F) Y=-830(F) Z=-675(F) AA=-675(F) AB=-675(F) AC=-675(F)



Job	Truss	Truss Type	Oty	Ply	Huntington A Wellons
1800518-1800518A	М1	Monopitch	2	1	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
				L	Job Reference (optional)

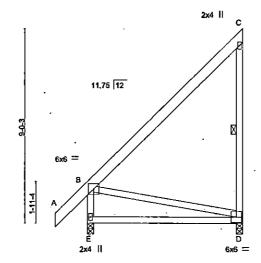
1-6-0

84 Components,

Dunn, NC 28334

8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:15 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-j950r77oupGv3NKRtPw_LPRtlkfMZ3JVDko5Quzcd_M 7-2-12 7-2-12

Scale = 1:51.6



7-2-12 CSI. DEFL. in L/d (loc) l/defi TC -0.62 Vert(LL) -0.14 D-E >599 240 ВС 0.63

BRACING-

TOP CHORD

BOT CHORD

WEBS

-0,35 D-E Vert(TL) >240 180 Horz(TL) n/a n/a

1 Row at midpt

PLATES GRIP 244/190 MT20

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 7-5-6 oc bracing.

Weight: 64 lb FT = 20%

LUMBER-

TCLL

TCDL

BCLL

BCDL

LOADING (psf)

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 WEBS

20.Ó

10.0

10.0

0.0

REACTIONS. (ib/size) D=266/0-3-8, E=388/0-3-8

Max Horz E=413(LC 10)

Max Uplift D=369(LC 10)

Max Grav D=361(LC 17), E=388(LC 1)

SPACING-

Plate Grip DOL

Rep Stress Incr

Code IRC2012/TPI2007

Lumber DOL

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

TOP CHORD B-C=-283/264, C-D=-391/321, B-E=-319/32

BOT CHORD D-E=-572/290 WEBS B-D=-297/587

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB

Matrix-MP

0.28

2-0-0

1.25

1.25

YES

- 2) This truss has been designed for a 10.0 psf bottom chord five load nonconcurrent with any other live loads.

 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) D=369



⚠ WARNING - Verify design peremeters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI+7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters and 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer prevent bucking of Individual truss web and/or chord members only. Additional temporary and permanent bracing Is always required for stability and to prevent ucallapse 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-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton NC 27932

Job Truss Type Qty **Huntington A Wellons** Truss Ply 132668632 1800518-1800518A MG1 Monopitch Girder 2 Job Reference (optional) 8,130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:18 2018 Page 1 Dunn, NC 28334 84 Components. 1D:HQzvBvHPD22FQ9eQE7soz6zcfgh-7km9U99hBkfUwq20ZXUhz23UKxjkmHHxvi0l1Czcd_J 6-6-1 13-0-0 6-6-1 6-5-15 2x4 || Scale = 1:58.4 9.00 12 L F 0 E 4x4 11 6x6 13-0-0 Plate Offsets (X,Y)-F:0-4-8,0-1-8 LOADING (psf) SPACING-CSI. DEFL. l/defl L/d **PLATES** in (loc) GRIP 20.0 Plate Grip DOL 1.25 TC 0.25 Vert(LL) -0.06 E-F >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 ВС 0.46 Vert(TL) -0.16 E-F 180 >989 BCLL 0.0 Rep Stress Incr NO WB 0.84 Horz(TL) 0.02 Ε n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Weight: 202 lb FT = 20% BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x6 SP DSS

WEBS 2x4 SP No.3

REACTIONS. (lb/size) A=2835/0-3-8, E=3301/0-3-8

Max Horz A=522(LC 8)

Max Uplift A=-528(LC 8), E=-1030(LC 8)

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

TOP CHORD A-B=-3165/513

BOT CHORD A-F=-799/2514, E-F=-799/2514 WEBS B-F=-664/3313, B-E=-3173/1007

NOTES-

1) 2-ply truss to be connected together with 10d (0.120"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C;

enclosed; MWFRS (envelope) gable end zone; cantilever left exposed; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60

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 (it=lb) A=528, E=1030.

7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 851 lb down and 203 lb up at 2-0-12, 851 lb down and 203 lb up at 4-0-12, 851 lb down and 203 lb up at 8-0-12, and 851 lb down and 203 lb up at 10-0-12, and 853 lb down and 201 lb up at 12-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Vert: A-D=-60, E-G=-20 Concentrated Loads (lb)

Vert: J=-851(B) K=-851(B) L=-851(B) M=-851(B) N=-851(B) O=-853(B)

March 12,201f

Structural wood sheathing directly applied or 6-0-0 oc purlins,

D-E

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

🛕 WARNING - Verity design perameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIJ-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 property incorporate this design into the overall building designer must verify the applicability of design parameters and property incorporate this design into the overall building designer, Description indicated is to prevent buckling of individual at truss web and/or chord members only. Additional temporary and permanent bracing is always required for slability 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

ANSITTP! Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton NC 27932

Qty Huntington A Wellons_ Job Truss Truss Type 132668633 12 1800518-1800518A PB2 Piggyback 1 Job Reference (optional)

8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:18 2018 Page 1
ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-7km9U99hBkfUwq20ZXUhz23WkxqKmUExvi0I1Czcd_J Dunn, NC 28334 84 Components. 2-6-10 5-1-4 2-6-10 2-6-10

Scale = 1:17.5

4x4 =

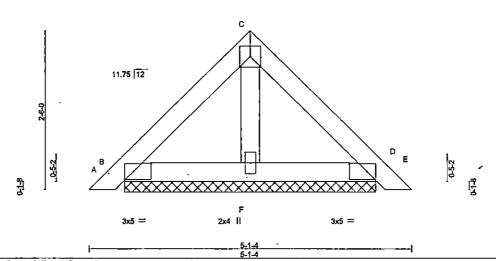


Plate Offsets (X,Y)—	[B:0-3-5,0-1-8], [D:0-3-5,0-1-8]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	CSI. TC 0.10 BC 0.04 WB 0.01	DEFL. in (loc) l/defl L/d PLATES GRIP Vert(LL) 0.00 D n/r 120 MT20 244/190 Vert(TL) 0.00 E n/r 90 Horz(TL) 0.00 D n/a n/a	
BCDL 10.0	Code IRC2012/TPI2007	Matrix-P	Weight: 19 lb FT = 20%	

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.3

REACTIONS. (ib/size) B=119/3-11-11, D=119/3-11-11, F=124/3-11-11

Max Horz B=-80(LC 8)

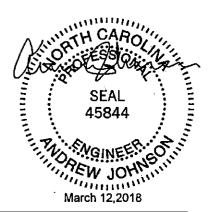
Max Uplift B=-50(LC 11), D=-59(LC 11)

Max Grav B=119(LC 1), D=119(LC 1), F=124(LC 3)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
- 7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 5-1-4 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

🛕 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 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 at truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent occlapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of fuseses and truss systems, see

ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Qty Huntington A Wellons Job Truss Truss Type Ply 132668634 31 1800518-1800518A PB4 Piggyback 1 Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:20 2018 Page 1 Dunn, NC 28334 84 Components. ID:HQzv8vHPD22FQ9eQE7soz6zcfgh-46uvurAxjLvCA8CPgyW92T8s3IW5EOpEM0Vs65zcd_H 2-0-0 4-0-0 2-0-0 2-0-0 C 4x4 = Scale = 1:11.3 11,00 12 D 0-5-0 낅 3x5 = 2x4 || 3x5 = Plate Offsets (X,Y)-[B:0-3-4,0-1-8], [D:0-3-4,0-1-8] LOADING (psf) SPACING-DEFL. Ľď **PLATES** GRIP in (loc) I/defl TCLL 20.Ó Plate Grip DOL 1.25 0.00 120 244/190 TC 0.05 Vert(LL) Ď n/r MT20 TCDL 10.0 Lumber DOL 1.25 ВС 0.02 Vert(TL) 0.00 90 n/r **BCLL** 0.0 Rep Stress Incr YES WB 0.01 Horz(TL) 0.00 D n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-P Weight: 14 lb FT = 20% LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins. 2x4 SP No.2 BOT CHORD **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing. **OTHERS** 2x4 SP No.3 REACTIONS. (lb/size) B=91/2-9-13, D=91/2-9-13, F=88/2-9-13 Max Horz B=57(LC 9)

Max Uplift B=-41(LC 10), D=-48(LC 11)

Max Grav B=91(LC 1), D=91(LC 1), F=88(LC 17)

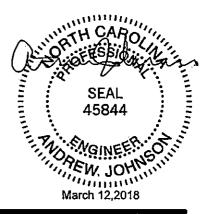
FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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

3) Gable requires continuous bottom chord bearing.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, D.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7472 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 MSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



816 Soundside Road

dol Truss Truss Type Qty Ply Huntington A Wellons 132668635 1800518-1800518A Common 1 Job Reference (optional) 84 Components, Dunn, NC 28334 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:21 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zdgh-YJSH6BBZUf13nlnbEg1Obgh_n9hPzh_NbgFQeXzcd_G 1-6-0 1-6-0 6-5-0 12-9-0 25-6-0 19-1-0 27-0-0 6-5-0 6-4-0 6-4-0 6-5-0 1-6-0 6x6 = Scale: 3/16°=1' 9.00 12 Е 4x6 // 4x6 N 2x4 \\ 2x4 / G s κ т J L 3x4 = 3x6 == 3x4 = 4x4 8-6-5 16-11-11 8-5-5 8-6-5 LOADING (psf) SPACING-2-0-0 CSI. DEFL. l/defi Ľď **PLATES** GRIP in (loc) TCLL 20.0 Plate Grip DOL 1.25 TC 0.24 Vert(LL) -0.25 240 >999 MT20 244/190 TODL 10.0 Lumber DOL 1.25 вс 0.72 Vert(TL) -0.39 >784 180 BCLL 0.0 Rep Stress Incr YES WB 0.65 Horz(TL) 0.04 н n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Weight: 168 lb FT = 20%LUMBER-**BRACING-**

TOP CHORD

BOT CHORD

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3

(lb/size) B=1110/0-3-8, H=1110/0-3-8

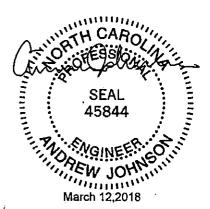
Max Horz B=-371(LC 8)
Max Uplift B=-320(LC 10); H=-320(LC 11) Max Grav B=1112(LC 17), H=1112(LC 18)

FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD B-C=-1368/483, C-E=-1415/609, E-G=-1415/609, G-H=-1368/483 B-L=-344/1256, J-L=-51/809, H-J=-159/1050

WEBS E-J=307/702, G-J=514/416, E-L=-306/702, C-L=-514/415

REACTIONS.

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 ib uplift at joint(s) except (it=ib) B=320, H=320.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 9-10-14 oc bracing.

🛕 WARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev., 10/03/2015 BEFORE USE. Design valid for use only with MTek® 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly design parameters and properly 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and furues 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.

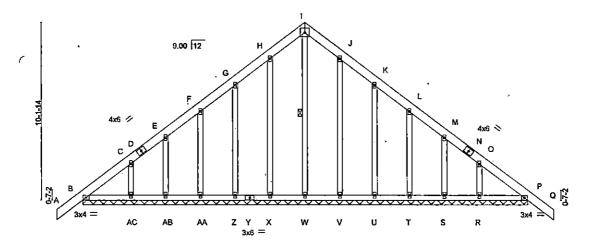


Truss Type Qty Ply Huntington A Wellons Jab Truss 132668636 1800518-1800518A T1E Common Supported Gable Job Reference (optional) 8,130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:30 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-n1Vh?GICMQ9nNgzKG3iVSaZZ3nwsatQifawOSWzcd_7 84 Components, Dunn, NC 28334 27-0-0 |-1-6-0 | 1-6-0 25-6-0 12-9-0

6x6 =

Scale: 3/16"=1"

1-6-0



LOADING (psf) SPACING-CSI. DEFL 2-0-0 in l/deft L/d PLATES GRIP TCLL 20.Ó Plate Grip DOL 1,25 TC 0,08 -0.00 244/190 Vert(LL) Q n/r 120 MT20 TCDL 10.0 Lumber DOL 1.25 вс 0.06 -0.00 Vert(TL) Q n/r 90 BCLL 0.0 WB 0.19 Rep Stress Incr YES Horz(TL) 0.01 n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-S Weight: 209 lb FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 **OTHERS** 2x4 SP No.3 **BRACING-**

TOP CHORD BOT CHORD WEBS

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

I-W

REACTIONS. All bearings 25-6-0.

(lb) - Max Horz B=371(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) W, X, V, P except B=-114(LC 6), Z=-136(LC 10), AA=-121(LC 10), AB=118(LC 10), AC=-152(LC 10), U=-141(LC 11), T=-121(LC 11), S=-118(LC 11), R=-148(LC 11)

Max Grav All reactions 250 lb or less at joint(s) X, Z, AA, AB, AC, V, U, T, S, R, P except B=268(LC 18), W=290(LC 11)

12-9-0

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

TOP CHORD

B-C=-329/286, G-H=-209/299, H-I=-263/335, I-J=-263/335, J-K=-209/271

B-AC=-133/275, AB-AC=-133/275, AA-AB=-133/275, Z-AA=-133/275, X-Z=-133/275, BOT CHORD

W-X=-133/275, V-W=-133/275, U-V=-133/275, T-U=-133/275, S-T=-133/275, R-S=-133/275,

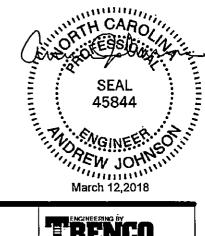
P-R=-133/275

WEBS 1-W=-269/146, C-AC=-268/184, O-R=-268/179

NOTES.

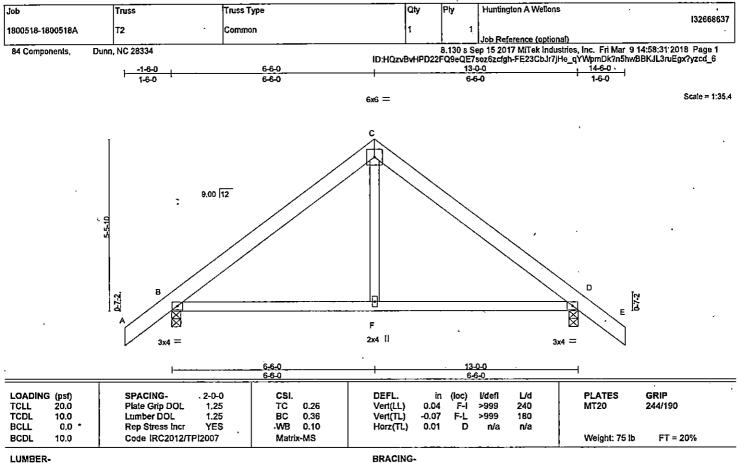
1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated,
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) W, X, V, P except (it=lb) B=114, Z=136, AA=121, AB=118, AC=152, U=141, T=121, S=118, R=148.



🛕 WARNING - Verify design perameters 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 and 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer and permanent practing in a hundred to the following of inclinidated it to revent collapse with possible personal injury and properly demage. For general guidance regarding the fabrication, storage, delivery, crection and bracking of trusses and truss systems, see ANSITHEL Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.





TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3

REACTIONS. (ib/size) B=610/0-3-8, D=610/0-3-8

Max Horz B=208(LC 9)

Max Uplift B=-190(LC 10), D=-190(LC 11)

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

TOP CHORD B-C=-564/196, C-D=-564/196

B-F=23/415, D-F=23/415 BOT CHORD

WEB\$ C-F=0/271

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) B=190, D=190.

ORT 45c MGINEEN 60 March 12,2018

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN-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 ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Qty Huntington A Wellons Job Truss Type Ply Truss 132668638 1800518-1800518A T2E Common Supported Gable 1 | Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:31 2018 Page 1 Dunn, NC 28334 84 Components. ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-FE23CbJr7jHe_qYWpmDk?n5kpBGKJMlruEgx?yzcd_6 -1-6-0 6-6-0 13-0-0 14-6-0 1-6-0 1-6-0 6-6-0 6-6-0 Scale = 1:34.8 6x6 = D 9.00 12 G 3x4 =3x4 =N М L Κ <u>13-0-0</u> LOADING (psf) SPACING-2-0-0 CSI. DEFL l/defl Ľ∕d **PLATES** GRIP in (loc)

LUMBER-

TCLL

TCDL

BCLL

BCDL

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 OTHERS 2x4 SP No.3

20.0

10.0

10.0

0.0

BRACING-

Vert(LL)

Vert(TL)

Horz(TL)

TOP CHORD **BOT CHORD**

-0.00

-0.00

0.00

Structural wood sheathing directly applied or 6-0-0 oc purlins.

MT20

Weight: 89 lb

Rigid ceiling directly applied or 10-0-0 oc bracing.

120

90

n/a

n/r

n/r

n/a

REACTIONS. All bearings 13-0-0.

(lb) - Max Horz B=-208(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) B, H except M=-115(LC 10), N=-135(LC 10), K=-109(LC 11),

0.08

0.04

0.06

TC

вс

WB

Matrix-S

J=134(LC 11)

Plate Grip DOL

Rep Stress Incr

Code IRC2012/TPI2007

Lumber DOL

Max Grav All reactions 250 lb or less at joint(s) B, H, L, M, N, K, J

1.25

1.25

YES

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

WEBS C-N=-258/166, G-J=-258/165

NOTES:

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing,
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) B, H except (jt=lb) M=115, N=135, K=109, J=134.



244/190

FT = 20%

▲ WARNING • Verify dasign parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 property incorporate this design into the overall building designer must verify the applicability of design manuers and property incorporate this design into the overall building design. Bracing indicated is to revent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckleps 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 BCS1 Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Sule 312, Alexandria, VA 22314.



dot Truss Truss Type Qty PΙν **Huntington A Wellons** 132668639 1800518-1800518A ТЗ Common 1 Job Reference (optional) Dunn, NC 28334 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:32 2018 Page 1 84 Components, $ID: HQzvBvHPD22FQ9eQE7soz6zcfgh-jQcRQxXTu1PVc_7iNUkzX?erTbTB2d??7uPVXQzcd_5$ 30-3-8 1-6-0 1-6-0 1-6-0 14-4-12 21-6-10 28-9-8 7-2-14 7-1-14 7-2-14 7-2-14 7-1-14 Scale = 1:70.7 6x6 = 9.00 12 4x6 / 4x6 📏 3x5 // 3x5 🔌 C κ ٧ М J 3x6 = 3x4 = 2x4 11 2x4 || 3x5 = 7-2-14 12-10-4 21-6-10 28-9-8 7-2-14 5-7-6 8-8-6 Plate Offsets (X,Y)-[B:0-5-0,0-0-6] LOADING (psf) SPACING-2-0-0 DEFL. L/d PLATES GRIP (loc) l/def TCLL 20.0 Plate Grip DOL 1.25 TC 0.34 Vert(LL) -0.11 >999 240 244/190 TCDL 10.0 Lumber DOL 1,25 BC 0.58 Vert(TL) -0.28J-L >694 180 BCLL 0.0 Rep Stress Incr YE\$ WB 0.83 Horz(TL) 0.02 Н n/a · n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Weight: 195 lb FT = 20%LUMBER-**BRACING-**

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 WEBS

TOP CHORD **BOT CHORD** WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

E-L, G-L

REACTIONS.

(Ib/size) B=529/0-3-8, L=1286/0-3-8, H=668/0-3-0 Max Horz B=-413(LC 8) Max Uplift B=-161(LC 10), L=-348(LC 10), H=-261(LC 11) Max Grav B=553(LC 21), L=1381(LC 17), H=736(LC 18)

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

TOP CHORD B-C=-428/196, C-E=-98/362, G-H=-708/242

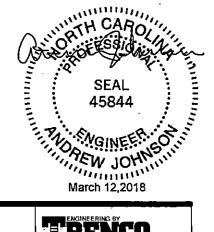
BOT CHORD B-M=-210/447, L-M=-210/447, H-J=-0/473

WEBS E-L=-513/49, G-L=-785/430, G-J=0/356, C-L=-711/436

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (|t=lb| B=161, L=348, H=261,



🛕 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracking indicated is to prevent bucking of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent bucking 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and trus 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.



Jopi •	Truss		Truss Type		Oly	Ply	Huntington A Wellons	
1800518-1800518A	T3SE		GABLE		1	1		132668640
					[Job Reference (optional)	
84 Components, Du	inπ, NC 28334		**	-			p 15 2017 MiTek Industries, Inc. F	
				ID:HQzvi	3vHPD22F	Q9eQE7so	z6zcfgh-fpkCqdLjQegDrHH5VumF	RcQjByO3mWVZIaBucbHzcd_3
	-1-6-0	7-2-14		14-4-12	21-6-1	0	28-9-8	30_3-8,
	400	= 0.44				4.	= 0.44	14.0.0

6x6 =

Scale = 1:69.1

Structural wood sheathing directly applied or 5-5-2 oc purlins.

Rigid ceiling directly applied or 2-2-0 oc bracing.

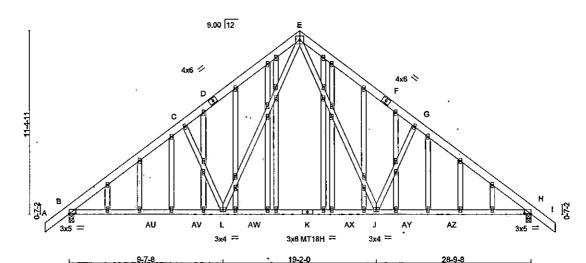


Plate Offsets (X,Y)-	[B:0-5-0,0-0-6], [H:0-5-0,0-0-6]		· · · · · · · · · · · · · · · · · · ·	<u>.</u>
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.34 BC 0.96 WB 0.95 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) -0.28 J-L >999 240 Vert(TL) -0.50 B-L >687 180 Horz(TL) 0.06 H n/a n/a	PLATES GRIP MT20 244/190 MT18H 244/190 Weight: 312 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x6 SP No.2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP:No.3 OTHERS 2x4 SP No.3

REACTIONS. (lb/size) B=1239/0-3-8, H=1239/0-3-8

Max Horz B=-413(LC 8)

Max Uplift B=-355(LC 10), H=-355(LC 11) Max Grav B=1332(LC 17), H=1332(LC 18)

FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD B-C=-1616/537, C-E=-1582/687, E-G=-1582/687, G-H=-1616/537

BOT CHORD WEBS B-L=-391/1488, J-L=-55/956, H-J=-196/1255 E-J=-349/858, G-J=-567/479, E-L=-349/857, C-L=-567/479

NOTES:

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) B=365, H=355.



WARNING - Verify design perameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIN-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 russ system. Before use, the building designer must verify the applicability of design parameters and properly individual 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 furus systems, see __ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information. available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



aly Ply **Huntington A Wellons** Job Truss Truss Type 132668641 1800518-1800518A 2 Common Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:35 2018 Page 1 ID:HQzvBvHPD2zFQ9eQE7soz6zcfgh-8?la2zMLAyo4TRsH2cHg9dGMjoUrF_IRpre98jzcd_2 84 Components, Dunn, NC 28334 7-2-14 14-4-12 21-6-10 28-9-8 7-2-14 7-1-14 Scale = 1:70.7 6x6 = 9.00 12 E 4x6 🔌 3x5 / L 1 4x8 = 3x6 = 3x4 = 2x4 || 2x4 || 3x5 = 7-2-14 12-10-4 21-6-10 28-9-8 Plate Offsets (X,Y) [B:0-5-0,0-0-6] LOADING (psf) SPACING-2-0-0 CSI. DEFL in (loc) 1/deft L/d **PLATES** GRIP Plate Grip DOL **TCLL** 20.Ó 1.25 >999 TC 0.34 Vert(LL) -0.11 1-K 240 244/190 MT20 TCDL ВÇ 0,58 10.0 Lumber DOL 1.25 Vert(TL) -0.27 I-K >698 180 **BCLL** 0.0 * Rep Stress Incr YES WR 0.83 0.02 Horz(TL) н n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Weight: 190 lb FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x6 SP No.2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

(lb/size) B=532/0-3-8, K=1284/0-3-8, H=577/0-3-0

Max Horz B=400(LC 7)

Max Uplift B=-156(LC 10), K=-359(LC 10), H=-197(LC 11) Max Grav B=554(LC 21), K=1372(LC 17), H=644(LC 18)

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

TOP CHORD B-

B-C=-430/180, C-E=-103/346, G-H=-717/231

BOT CHORD WEBS B-L=-221/436, K-L=-221/436, I-K=-42/494, H-I=-42/494 E-K=-501/58, G-K=-798/441, G-I=0/357, C-K=-710/436

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10,0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) B=156, K=359, H=197.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

E-K. G-K

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt



Job Qty Huntington A Wellons Truss Truss Type Ply 132668642 1800518-1800518A T5 Piggyback Base Supported Gable Job Reference (optional)

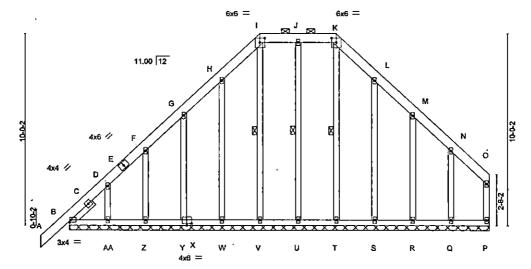
84 Components.

Dunn, NC 28334

8.130 s Sep 15 2017 MITek Industries, Inc. Fri Mar 9 14:58:36 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-cBsyFJNzxFwx5bRTcJovhrpaACzP_b_a2VNigAzcd_1



Scale = 1:58.0



22-0-0

Plate Offsets (<u> </u>	<u> ::0-3-0,0-2-12], [K:0-3-0,0</u>	0-2-12], [X:0-3	5-0,0 <u>-1-4], [X</u>	:0-0-0 ₋ 0-1-12), [Y:0-1-12,0-0-0						
LOADING (ps TCLL 20. TCDL 10.	ó	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.25	CSI.	0.10	DEFL. Vert(LL)	in -0.00	(loc) A	l/defl n/r	L/d 120	PLATES MT20	GRIP 244/190
	٠.	Rep Stress Incr	1.25 YES	BC WB	0.05 0.19	Vert(TL) Horz(TL)	-0.00 -0.00	P	n/r n/a	90 n/a	ı	
BCDL 10.	0	Code IRC2012/TP	12007	Matri	x-S	, , ,				_	Weight: 205 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No,3 2x4 SP No.3 **OTHERS** SLIDER

Left 2x4 SP No.3 1-6-0

BRACING-TOP CHORD

BOT CHORD WEBS

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): I-K. Rigid ceiling directly applied or 10-0-0 oc bracing.

K-T, J-U, I-V

1 Row at midpt

REACTIONS.

All bearings 22-0-0.

(lb) - Max Horz B=398(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) P, T, U except B≈-303(LC 6), V≈-115(LC 9), W≈-135(LC 10), Y≈-163(LC 10), Z≈-146(LC 10), AA≈-188(LC 10),

S=125(LC 11), R=163(LC 11), Q=181(LC 11)

Max Grav All reactions 250 lb or less at joint(s) P, T, U, V, W, Y, Z, AA, S, R, Q except B=378(LC 18)

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

TOP CHORD

B-D=-466/429, D-F=-382/369, F-G=-349/365, G-H=-336/383, H-I=-425/491, I-J=-351/415,

J-K=-351/415, K-L=-425/491, L-M=-336/383

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads,
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) P, T, U except (it=lb) B=303, V=115, W=135, Y=163, Z=146, AA=188, S=125, R=163, Q=181. 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-1473 tev. 10/03/2015 BEFORE USE. Design valid for use only with MITek's connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building ediperent with the explicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design, Bracing indicated is to revern bucking 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 ANSLITER Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Truss Type Qty Huntington A Wellons Job Truss 132668643 1800518-1800516A T6 iggyback Base Job Reference (optional) 8.130 s Oct 26 2017 MiTek Industries, Inc. Fri Mar 9 15;14:54 2018 Page 1 84 Components, Dunn, NC 28334 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-ulu9GMlJfCStBCaOxht7BqJavRaN7sGXxfHT_Uzcckl Scale = 1:58.5 6x6 == 6x6 = F 11.00 12 4x6 / O J ĸ н 3x4 [] 5x9 !! 3x6 3x4 =4x4 =10-0-0 14-0-0 22-0-0 10-0-0 4-0-0 [B:0-2-8,0-1-13], [B:0-0-13,0-0-15], [B:0-0-13,0-4-15], [E:0-3-0,0-2-12], [F:0-3-0,0-2-12], [G:Edge,0-0-8] Plate Offsets (X,Y)-LOADING (psf) SPACING-CSI. DEFL L/d **PLATES** GRIP **TCLL** 20.Ó Plate Grip DOL 1,25 TC 0,64 Vert(LL) 0.23 K-N >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.81 Vert(TL) -0.52 K-N >507 180

Horz(TL)

BRACING-

TOP CHORD

BOT CHORD

0.02

n/a

Installation guide

n/a

end verticals, and 2-0-0 oc purlins (6-0-0 max.): E-F.

Rigid ceiling directly applied or 9-11-9 oc bracing.

Weight: 160 lb

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

MiTek recommends that Stabilizers and required cross bracing

be installed during truss erection, in accordance with Stabilizer

FT = 20%

LUMBER-

BCLL

BCDL

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3

0.0

10.0

WEDGE

Left: 2x8 SP No,2

REACTIONS. (lb/size) B=967/0-3-8 (min. 0-1-8), H=871/Mechanical

Max Horz B=403(LC 9)

Max Uplift B=259(LC 10), H=183(LC 11)

Rep Stress Inc.

Code IRC2012/TPI2007

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

B-C=972/411, C-D=850/405, D-E=809/434, E-F=674/419, F-G=820/346, G-H=800/344 TOP CHORD

B-O=-309/867, O-P=-309/867, K-P=-309/867, J-K=-147/566, I-J=-147/566 BOT CHORD

C-K=-459/379, E-K=-140/438, G-I=-184/554 WEBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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

WB 0.43

Matrix-MS

- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 259 lb uplift at joint B and 183 lb uplift at
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

ORT WEM JOH Williams March 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 bucking of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent oclapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, defivery, erection and bracing of trusses and truss systems, see

ASITPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road

Job Truss Type Qty Huntington A Wellons Truss 132668644 1800518-1800518A Piggyback Base 1 77 Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14;58;38 2018 Page 1 ID:HQz/BvHPD22FQ9eQE7soz6zcfgh-Ya_ig?OETtAfKvaskkrNnGuoW?VZSQ8tVpspk2zcd_? Dunn, NC 28334 84 Components. 16-4-8 5-1-12 10-0-0 14-0-0 22-0-0 4-10-4 5-7-8 4-0-0 2-4-8 8x8 = 8x8 Scale = 1:59.5 11,00 12 2x4 II 4x6 🗸 4x6 8x8 6.00 12 ĸ 2x4 || 5x9 = 8-4-0 8-0-8 5-7-8 Plate Offsets (X,Y)-[B:0-1-14,0-0-2], [F:0-6-0,0-3-8], [G:0-5-8,0-3-0], [K:0-6-8,0-2-4], [L:0-4-0,0-3-15] LOADING (psf) SPACING-2-0-0 l/defi IJd PLATES GRIP (loc) TCLL 20,0 Plate Grip DOL 1.25 TC 0.62 Vert(LL) -0.17 K-L >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.64 Ven(TL) -0.47 K-L >563 180 BCLL 0.0 Rep Stress Incr YES WB 0.47 Horz(TL) 0.14 n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Weight: 171 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x6 SP No.2 TOP CHORD Structural wood sheathing directly applied or 5-0-1 oc purlins, BOT CHORD 2x4 SP No.2 except end verticals, and 2-0-0 oc purlins (6-0-0 max.): F-G. WEBS 2x4 SP No.3 **BOT CHORD** Rigid ceiling directly applied or 7-2-8 oc bracing. SLIDER Left 2x4 SP No.3 1-6-0 WEBS 1 Row at midpt G-K

REACTIONS. (lb/size) B=981/0-3-8, J=870/0-3-8

Max Horz B=402(LC 9)

Max Uplift B=-254(LC 10), J=-183(LC 11)

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

TOP CHORD B-D=-1828/2067, D-F=-1549/436, F-G=-891/398, G-H=-1012/628, H-I=-793/342,

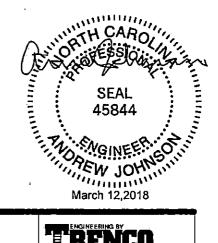
I-J=-822/330

BOT CHORD B-L=-652/1620, K-L=-192/607

WEBS D-L=-413/379, F-L=-131/742, G-L=-315/644, G-K=-387/406, H-K=-485/434, I-K=-74/525

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 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) B considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



🛕 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 MiTeke 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Briacing indicated is to prevent bucking of individual truss web and/or chord merers only. Additional temporary and permanent bracing is always required for stability and to prevent bucking of individual truss web and/or chord merers only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/THI Quality Criteria, DSB-89 and BGSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Design vatid for use only with Mittek® connectors. This design is based only upon parameters shown, and is for an individual building component, and a foreign is a trust system. Belone uses, the building design; must verify the applicability of design; and properly frootopinal than design in this design in this design, into the overall building to individual turns web and/or shord members only. Additional temporary and parameters that belone the parameter in the present packing that the central to be revent bucking of individual turns web and/or shord members only. Additional temporary and parameters that the parameter is appropriate and properly general guidance regarding the shortest parameters and funes systems, see
AMSUPPITION of general purposes and three systems, see
AMSUPPITION of general purposes and some systems, see
AMSUPPITION of general purposes and some systems, see
AMSUPPITION of general purposes and general general guidance regarding the standard purposes and three systems, see MARKHING • Vorty dealgn paramolers and reed notes on this and included mitek reference page wil-7473 100, 1003/2015 before use.



William Co.

Scale = 1:58.5

LOAD CASE(S) Standard

- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at 6) Refer to girder(s) for truss to truss connections.
 - will it between the bottom chord and any other members, with BCDL = 10.0psf.
- 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 4) This truss has been designed for a 10.0 pst bottom chord live load nonconcurrent with any other live loads,
 - 3) Provide adequate drainage to prevent water ponding.
 - exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate gnp DOL=1.60 MWHRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right
- S) Wind: ASCE 7-10; Vull=130mph (3-second gust) V(IRCSO12)=103mph; TCDL=6.0psf; BCDL=6.0psf; PCDL=6.0psf; Cst. II; Exp C; enclosed;
 - 1) Unbalanced roof live loads have been considered for this design.

NOTES-

B-K=-458/388' C-K=-121/438' D-I=-145/430' E-I=-432/318 MERS

T-U=-81/772, G-U=-81/772

A-R=-274/984, R-S=-274/984, K-S=-274/984, J-K=-86/712, I-J=-86/712, I-T=-81/772, вот сновр

L-G=-1110/425

Y-B=-1036/423' B-C=-367/481, C-D=-771/448, D-E=-930/475, E-F=-968/446, TOP CHORD

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

Max Grav A=960(LC 2), G=1053(LC 1)

Max Uplift A=-221(LC 10), G=-275(LC 11)

Max Horz A=-352(LC 6)

(lb/size) A=957/Mechanical, G=1053/0-3-8 (min. 0-1-10) REACTIONS.

Left: 2x8 SP No.2, Right: 2x8 SP No.2

MEDGE 2x4 SP No.3 SBEW

BOT CHORD 2x4 SP No.2

GROHD GOT LUMBER-

2x6 SP No.2

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing. S-0-0 oc brutins (6-0-0 max.): C-D.

be installed during truss erection, in accordance with Stabilizer

MiTek recommends that Stabilizers and required cross bracing

Structural wood sheathing directly applied or 6-0-0 oc purlins, except

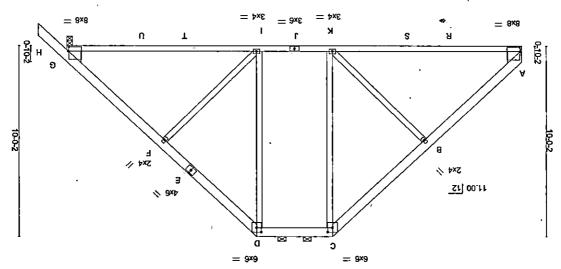
abino uoneneisul

TOP CHORD

BKACING-

												<u> </u>
FT = 20%	Weight: 167 lb	e/u	e/u	9	£0.0	(71)210H	14.0	8W khtsM	YES	Rep Stress Inct	0.01	BCDF
		081	699<	K-N	64.0-	(JT)π ₉ V	87.0	BC	1.25	Lumber DOL	0.01	TCDF
СКІР 244/190	PLATES MT20	740 ∖q	\qell \qell	K÷N (loc)	ni 81.0	DΕΓ Γ. Veπ(LL)	12.0	CSL	2-0-0 1.25	SPACING- Plate Grip DOL	(pst)	LOADING TCLL

Piste Offsets (X,Y)- [A:0-0-5,0-2-12], [A:0-0-15,0-0-13], [A:0-0-13], [C:0-3-0,0-2-12], [D:0-3-0,0-2-12], [G:0-4-15,0-0-13], [G:0-0-5,0-13], [



1-6-0 2-1-15 7-10-7 10-0-0 0-0-b 21-15 9-1-15 ₽-01-81 ID:HQzvBvHPDZ2FQ9eQE7soz6zdgh-hqp0168yjEj8nE_CLUvYYtvXzJ8GkUxJD6HpFzcqgN

ob Reference (optional) 8.130 s Oct 26.2017 MiTek Industries, Inc. Fri Mar 9 16:19:34 2018 Page 1 84 Components, Dunn, NC 28334 Piggyback Base 8T A8120081-8120081 33568645 anollaW A notgränu Ąς ed\() ssn SSNI dol Job Truss Type Qty ΡN **Huntington A Wellons** Truss 132668646 ROOF TRUSS 1800518-1800518A Т9 Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:40 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-Uz575gQU?UQMZCkFr9trshzAfp62wNLAz7Lwoxzcczz 14-0-0 19-11-0 Dunn, NC 28334 84 Components. 10-0-0 5-0-7 4-0-0 5-11-0 4-11-9 8x8 = // 8x8 Scale = 1:59.9 11.00 12 2x4 \\ 4x8 📏 4x4 / 7105 ⊠ G sΨ ΗЈ N 3x4 = 2x4 = 3x4 =2x4 || 2x4 || 6x6 2x4 = 2x4 || 5x9 !! 12-0-0 16-0-0 19-11-0 8-0-0 4-0-0 Plate Offsets (X,Y)-[A:0-0-0,0-1-7], [A:0-0-15,0-6-4], [D:0-5-8,0-3-0], [E:0-3-10,Edge] LOADING (psf) SPACING-DEFL. 1/def1 Ĺ/d **PLATES** GRIP (loc) TCLL 20.Ó Plate Grip DOL 1.25 TC 0.45 Vert(LL) -0.30 I-N >797 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.96 Ven(TL) -0.55 I-N >431 180 **BCLL** 0.0 Rep Stress Incr YES WB 0.29 Horz(TL) 0.02 G n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Weight: 157 lb FT = 20% LUMBER-**BRACING-**2x6 SP No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-E. TOP CHORD TOP CHORD **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 WEBS BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing, Except: SLIDER Left 2x6 SP No.2 2-0-0 10-0-0 oc bracing: A-N. 6-0-0 oc bracing: J-M WERS 1 Row at midpt E-H REACTIONS. (lb/size) A=850/Mechanical, G=882/0-3-8 Max Horz A=405(LC 9) Max Uplift A=-147(LC 10), G=-126(LC 10) Max Grav A=893(LC 2), G=1002(LC 2)

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

TOP CHORD A-C=-1066/310, C-D=-987/415, D-E=-599/359, E-F=-688/295, F-G=-1074/237

BOT CHORD A-N=-305/935, I-N=-148/574, H-I=-148/574

WEBS C-N=-478/431, M-N=-239/631, D-M=-203/753, F-H=-124/818

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Provide adequate drainage to prevent water ponding.

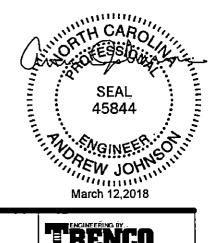
4) This truss has been designed for a 10,0 psf bottom chord live load nonconcurrent with any other live loads.

5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Refer to girder(s) for truss to truss connections.

- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



⚠ WARNING - Verity 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 designs, Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permenent bracing is always required for stability and to prevent ucclapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITTEL Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



816 Soundside Road

.loh Truss Truss Type Oty Huntington A Wellons 132668647 1800518-1800518A T10 Piggyback Base Supported Gable

84 Components,

Dunn, NC 28334

Job Reference (optional)

8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:22 2018 Page 1
ID:HQzv8vHPD22FQ9eQE7soz6zdgh-0V0fJXCBEy9wPRMnoNYd7uE?AZ8LiFMXqK_zA_zcd_F

Structural wood sheathing directly applied or 6-0-0 oc purlins,

K-O, J-P, I-Q

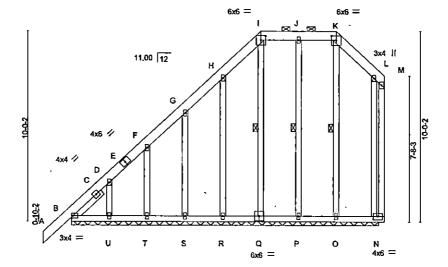
except end verticals, and 2-0-0 oc purlins (6-0-0 max.): I-K.

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

1-6-0 1-6-0 10-0-0 14-0-0 16-6-8 10-0-0 4-0-0 2-6-8

Scale = 1:58.6



16-6-6

Plate Offsets (X,Y)—	[(:0-3-0,0-2-12], [K:0-3-0,0-2-12]			
LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code IRC2012/TPI2007	CSI. TC 0.84 BC 0.23 WB 0.20 Matrix-S	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 A n/r 120 Vert(TL) -0.00 A n/r 90 Horz(TL) -0.00 N n/a n/a	PLATES GRIP MT20 244/190 Weight: 174 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x6 SP No.2 BOT CHORD 2x4 SP No.2

2x4 SP No.3 WERS **OTHERS**

2x4 SP No.3 SLIDER Left 2x4 SP No.3 2-0-0

REACTIONS. All bearings 16-3-0.

(ib) - Max Horz B=489(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) O except N=-122(LC 6), B=-217(LC 6), P=-102(LC 7), Q=-119(LC 7), R=-143(LC 10), S=-159(LC 10), T=-149(LC 10), U=-201(LC 10)

Max Grav All reactions 250 lb or less at joint(s) N, O, P, Q, R, S, T, U except B=377(LC 18)

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

B-D=-525/369, D-F=-395/292, F-G=-353/266, G-H=-318/260, H-I=-300/328, I-J=-256/291,

J-K=-256/291, K-L=-330/363, L-M=-293/320, M-N=-258/276

WEBS D-U=-263/224

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Truss designed for wind loads in the plane of the truss only. For stude exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) O except (it=lb) N=122, B=217, P=102, Q=119, R=143, S=159, T=149, U=201.
- 10) Non Standard bearing condition. Review required.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

🛕 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev, 10/03/2015 BEFORE USE. Design valid for use only with Millek's 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracking indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracking is always required for slability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracking of trusses and truss systems, see ANSITP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



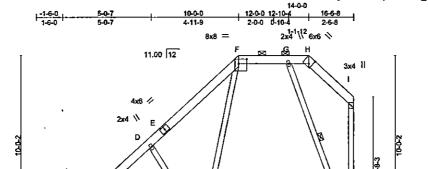
Qty **Huntington A Wellons** Job Truss Truss Type Ply 132668648 ROOF TRUSS T11 1800518-1800518A Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:23 2018 Page 1

84 Components,

Dunn, NC 28334

1D:HQzvBvHPD22FQ9eQE7soz6zcfgh-Uha2XsDp?GHn1bx_L54sg5m8qyldRefg2_kWjQzcd_E

Scale = 1:63,0



3x4 = 2x4 ==

PN

0 UW

BRACING-

TOP CHORD

BOT CHORD

WEBS

3x6 =

٧x

6-0-0 oc bracing: L-O

1 Row at midpt

3x7 =

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals, and 2-0-0 oc purlins (6-0-0 max.): F-H.

Rigid ceiling directly applied or 2-2-0 oc bracing. Except:

G-L

ĸ

2x4 ||

2x4 ||

Plate Offs	ets (X,Y)-	[B:0-2-8,0-0-11], [F:0-5-8	3,0-3-0], [H:0-	2-5,Edge]								
LOADING TCLL TCDL BCLL BCDL		SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2012/Ti	2-0-0 1.25 1.25 YES	CSI. TC BC WB Matri	0.97 0.99 0.45 x-MS	DEFL. Vert(LL) Vert(TL) Horz(TL)	in -0.38 -0.71 0.02	(loc) M M-O J	l/defl >517 >273 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 143 lb	GRIP 244/190 FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 **WEBS** 2x4 SP No.3

SLIDER Left 2x4 SP No.3 2-0-0

(ib/size) B=796/0-3-8, J=761/0-3-8 Max Horz B=495(LC 9) Max Uplift B=-177(LC 10), J=-125(LC 10) REACTIONS.

Max Grav B=803(LC 18), J=924(LC 18)

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

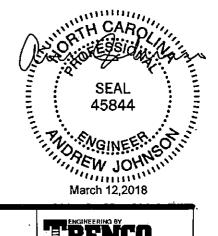
TOP CHORD
BDT-825/247, D-F=-777/349, F-G=-440/311, G-H=-270/295, H-I=-251/301, I-J=-204/255
B-P=-325/730, K-P=-209/458, J-K=-209/458
D-P=-493/404, O-P=-223/630, F-O=-190/791, G-L=-886/378, J-L=-1042/340

3x6 |

NOTES.

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- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=ib) B=177, J=125.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 8) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



🛕 WARNING - Voilty design peremotors and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rov. 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 bucking of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent bucking 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 fusesos and truss systems, see

ANSVTPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandina, VA 22314.



Joh Qly Truss Truss Type PN **Huntington A Wellons** 132668649 1800518-1800518A T12 ROOF TRUSS 1 Job Reference (optional) 8,130 s Sep 15 2017 MTek Industries, Inc. Fri Mar 9 14:58:25 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-Q4hoyYE4XIXVGv5MTW6KIWsUNm_2vYmzWDdnIzcd_C 84 Components, Dunn, NC 28334 5-0-7 10-0-0 14-0-0 16-6-8 13-0-0 4-11-9 2x4 \\ 7x10 \ Scale = 1:63.3 8x8 = 3x4 II 11.00 12 2x4 \\ 0,10.2] H N L 3x6 = 2x4 || 3x7 == 4x6 || 3x4 = 2x4 [] 2x4 2x4 = 8-0-0 12-0-0 16-6-8 8-0-0 Plate Offsets (X,Y)-[A:Edge,0-0-15], [D:0-5-8,0-3-0], [F:Edge,0-4-1] LOADING (psf) SPACING-2-0-0 CSI. DEFL. ìn l/defl Ľ∕d **PLATES** GRIP 20.0 Plate Grip DOL 1.25 TC BC TCLL 0.97 Vert(LL) -0.38Ŕ >514 240 MT20 244/190 TCDL 10.0 1.25 Lumber DOL 0.99 Vert(TL) -0.73K-M >270 180 BCLL 0.0 Rep Stress Incr YES WB 0.48 0.02 Horz(TL) Н n/a Code IRC2012/TPI2007 BCDL 10.0 Matrix-MS Weight; 138 lb FT = 20% LUMBER-BRACING-TOP CHORD 2x6 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, **BOT CHORD** 2x4 SP No.2 except end verticals, and 2-0-0 oc purlins (6-0-0 max.): D-F. WEBS 2x4 SP No.3 **BOT CHORD** Rigid ceiling directly applied or 2-2-0 oc bracing. Except: SLIDER Left 2x4 SP No.3 2-0-0 6-0-0 oc bracing: J-M WEBS 1 Row at midpt E-J REACTIONS. (lb/size) A=695/Mechanical, H=770/0-3-8 Max Horz A=461(LC 9) Max Uplift A=-119(LC 10), H=-129(LC 10) Max Grav A=706(LC 2), H=934(LC 18) FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD A-C=-833/261, C-D=-784/369, D-E=-438/315, E-F=-271/295, F-G=-255/298, G-H=-210/264

BOT CHORD A-N=-329/755, I-N=-210/461, H-I=-210/461

WEBS C-N=-502/421, M-N=-239/660, D-M=-206/820, E-J=-919/390, H-J=-1077/352

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) A=119, H=129.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



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 damages. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see _____ANSI/PPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N, Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road

Job Truss Truss Type Qty **Huntington A Wellons** 132668651 1800518-1800518A T13A ATTIC 1 Job Reference (optional) 8,130 s Sep 15 2017 MTek Industries, Inc. Fri Mar 9 14:58:27 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-NSpYMEGK3VnCWDFlaw8oqxxxVaiCNQDGzciksBzcd_A 84 Components, Dunn, NC 28334 14-8-3 4-10-4 5x9 // 4x6 9-5-11 &;-₹ Scale = 1:57.5 Ε 5x9 X 11.75 12 4x8 // 4x8 G 7x10 🛇 7x10 / 12-0-0 <u>-</u> L κ 8x8 = 3x6 11 3x6 || 10x12 = 10x12 =4-10-4 17-1-12 22-0-0 4-10-4 12-3-8 Plate Offsets (X,Y)-[A:0-3-0,0-1-12], [D:0-1-15,Edge], [H:0-3-0,0-1-12], [K:0-3-8,0-7-0], [M:0-3-8,0-7-0] LOADING (psf) SPACING-DEFL **PLATES** GRIP l/def L/d (loc) TCLL 20.0 Plate Grip DOL 1.25 240 TC 0.69 Vert(LL) -0.24 >999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.89 -0.43 180 Vert(TL) >613 **BCLL** 0.0 Rep Stress Incr YES WB 0.61 Horz(TL) 0.01 n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Attic -0.15 968 360 Weight: 215 lb FT = 20% LUMBER-**BRACING-**TOP CHORD 2x6 SP DSS *Except* TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, D-E: 2x6 SP No.2, B-C, F-G: 2x4 SP No.2 except end verticals, and 2-0-0 oc purlins (10-0-0 max.): D-E. **BOT CHORD** 2x10 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 9-1-14 oc bracing. WEBS 1 Row at midpt

2x4 SP No.3 *Except* WEBS

·B-M,C-F,G-K: 2x4 SP No.2

REACTIONS. (lb/size) N=1047/0-3-8, J=1154/0-3-8

Max Horz N=392(LC 6)

Max Uplift N=-51(LC 10), J=-107(LC 11)

Max Grav N=1308(LC 2), J=1397(LC 2)

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

TOP CHORD A-B=-1472/131, B-C=-894/325, C-D=-53/712, D-E=-92/1114, E-F=-49/713, F-G=-893/322,

G-H=-1480/157, A-N=-1393/140, H-J=-1476/262 M-N=-337/459, K-M=-37/980

BOT CHORD

WEBS B-M=-7/734, C-F=-1925/452, G-K=-9/747, A-M=-92/875, H-K=-90/888

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 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) Ceiling dead load (5.0 psf) on member(s), B-C, F-G, C-F; Wall dead load (5.0 psf) on member(s), B-M, G-K
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. K-M
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) N except (jt=lb)
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 10) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.



MARNING - Verily design perameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek2 connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the 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. Bracking 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 properly damage. For general guidence regarding the fabrication, storage, delivery, erection and bracing of trusses and furus systems, see

ANSITIPM Quality Criteria, DSB-89 and BCSI Building Component Safety Information. available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandra, VA 22314.



Edenton, NC 27932

Qty **Huntington A Wellons** Truss Type Ply Job Truss 132668652 1800518-1800518A T13E GABLE Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:28 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-rfNxaaHyqov37Mpx8ef1N9T44z1T6tYPCGRHOdzcd_9 84 Components, Dunn, NC 28334 14-8-3 2-5-9 4x6 3-5-11 **4**₹** Scale = 1:58,0 5x9 📏 4x6 / 4x6 N 4x8 🖊 4x8 N 11.75 12 7x10 ◇ 7x10 4 12-0-0 N 8x8 = 3x6 [] 3x6 || 6x6 = 6x6 =22-0-0 4-10-4 17-1-12 4-10-4 12-3-8 4-10-4 Plate Offsets (X,Y)-[B:0-3-0,0-1-12], [E:0-1-15,Edge], [I:0-3-0,0-1-12], [T:0-2-0,0-0-2] **PLATES** GRIP LOADING (psf) SPACING-2-0-0 DEFL. 1/defl L/d (loc) 20.0 Plate Grip DOL Vert(LL) -0.24 L-N 240 244/190 **TCLL** 1.25 TC >999 MT20 **TCDL** 10.0 Lumber DOL 1.25 вс 0.88 -0.42 L-N >616 180 Vert(TL) **BCLL** 0.0 Rep Stress Incr YES WB 0.60 Horz(TL) 0.01 Κ n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-MS Attic -0.15 L-N 969 Weight: 239 lb FT = 20%LUMBER-BRACING-**TOP CHORD** 2x6 SP DSS *Except* TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, E-F: 2x6 SP No.2, C-D G-H: 2x4 SP No.2 except end verticals, and 2-0-0 oc purlins (10-0-0 max.): E-F. 2x10 SP No.2 Rigid ceiling directly applied or 9-1-14 oc bracing. **BOT CHORD BOT CHORD WEBS** 2x4 SP No.3 *Except* WEBS 1 Row at midpt

C-N,D-G,H-L: 2x4 SP No.2

OTHERS 2x4 SP No.3

REACTIONS. (lb/size) O=1150/0-3-8, K=1150/0-3-8

Max Horz O=411(LC 9)

Max Uplift O=108(LC 10), K=108(LC 11)

Max Grav O=1394(LC 2), K=1394(LC 2)

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

TOP CHORD B-C=-1473/153, C-D=-890/322, D-E=-46/706, E-F=-80/1105, F-G=-46/706, G-H=-890/322,

H-I=-1472/153, B-O=-1469/258, I-K=-1469/258

BOT CHORD N-O=-361/480, L-N=-37/974

C-N=-9/744, D-G=-1905/428, H-L=-8/744, B-N=-85/878, I-L=-90/882 WEBS

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20,0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Ceiling dead load (5.0 psf) on member(s), C-D, G-H, D-G; Wall dead load (5.0psf) on member(s), C-N, H-L
- 10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. L-N
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=ib)
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

45. WGINEER JOHNS

🛕 WARNING - Verify design peremeters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-1473 rev. 10/01/2015 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly demanders only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITIPH Quality Criteria, DSB-89 and BCSI Building Component Satety information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Truss Type Qty Job Truss Ply **Huntington A Wellons** 132668653 1800518-1800518A V1 Valley Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:42 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zdgh-QLDDWMRkX5g4pWudzavKx63a6d_eOINTQRq1tpzcczx 84 Components, Dunn, NC 28334 10-2-15 10-2-15 Scale: 1/4"=1" 444 = 9.00 12 3x4 2 • 3x4 M L 3x6 == J Н 20-5-13 LOADING (psf) SPACING-CSI. DEFL. 2-0-0 in (loc) I/defI I/d PLATES **GRIP** TCLL 20,0 Plate Grip DOL 1.25 TC 0.20 Vert(LL) n/a n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 ВС 0.19 Vert(TL) n/a n/a 999 **BCLL** 0,0 Rep Stress Incr WB YES 0.19 0.01 G n/a Horz(TL) n/a **BCDL** 10.0 Code IRC2012/TPI2007 Matrix-S Weight: 93 lb FT = 20%LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 **OTHERS** 2x4 SP No.3 TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 20-5-3

(Ib) - Max Horz A=255(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) A, G except K=-272(LC 10), M=-197(LC 10), I=-272(LC 11),

H=-197(LC 11)

Max Grav All reactions 250 lb or less at joint(s) A, G except J=402(LC 20), K=466(LC 17), M=294(LC 17),

I=465(LC 18), H=295(LC 18)

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

TOP CHORD

A-B=-269/203

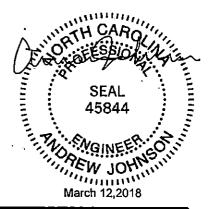
WERS

C-K=-376/322, B-M=-285/238, E-I=-376/321, F-H=-285/238

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, G except (it=lb) K=272, M=197, I=272, H=197.



MARMING - Verify dasign 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer, Bracking indicated its to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracking is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracking of trusses and truss systems, see

ANSI/TPI Quality Criteria, DSB-49 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Edenton, NC 27932

Job Truss Truss Type Qty Ply **Huntington A Wellons** 132668654 1800518-1800518A Valley V2 Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:43 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-vXnbjiSMIPoxQgTqWHRZUJbji0KU7n6cf5aaPGzcczw 84 Components, Dunn, NC 28334 7-9-9 15-7-3 7-9-9 7-9-9 4x4 = 9.00 12 2x4 || 2x4 || D B 3x4 🗸 3x4 N 2x4 [] 2x4 [] 2x4 . || 15-6-13 LOADING (psf) SPACING-DEFL. CSI. **PLATES** in (loc) l/defl Ľ∕d GRIP TCLL 20,0 Plate Grip DOL 1.25 TC 0.34 Vert(LL) n/a 244/190 n/a 999 MT20 TCDL 10.0 1.25 BC 0.15 Lumber DOL n/a Vert(TL) n/a 999 0.0 * BCLL Rep Stress Incr YES WB 0.10 Horz(TL) 0,00 n/a n/a BCDL Code IRC2012/TPI2007 10,0 Matrix-S Weight: 65 lb FT = 20%

LUMBER-

TOP CHORD 2x4 \$P No.3 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3 OTHERS

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-6-8

(ib) - Max Horz A=191(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) A, E except H=271(LC 10), F=271(LC 11)

Max Grav All reactions 250 lb or less at joint(s) A, E except G=354(LC 17), H=419(LC 17), F=419(LC 18)

FORCES. (lb) - Max, Comp./Max. Ten. - All forces 250 (lb) or less except when shown. B-H=-370/312, D-F=-370/311

WEBS

NOTES.

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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

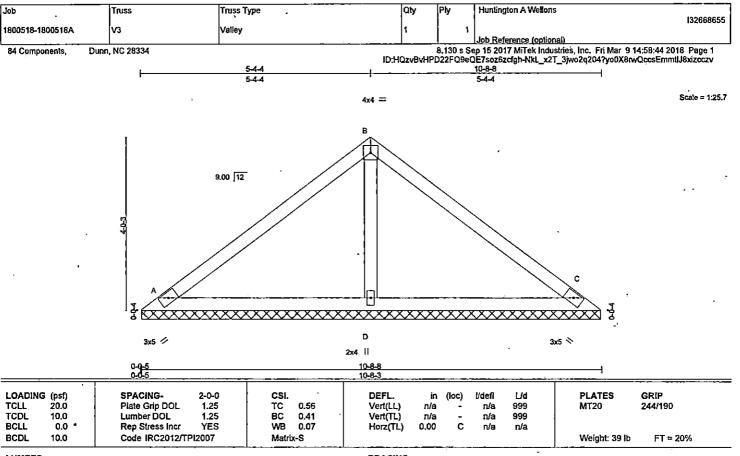
3) Gable requires continuous bottom chord bearing.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (jt=lb) H=271, F=271.

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek's connectors. This design is based only upon parameters shown, and is for an individual building component, not a fruss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design, Elading indicated is to prevent buckling of individual truss web and/for chord merers only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual truss web and/for chord merers only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and fruss systems, see



Edenton NC 27932



LUMBER-

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

BRACING-

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

REACTIONS.

(lb/size) A=199/10-7-13, C=199/10-7-13, D=389/10-7-13 Max Horz A=128(LC 6)

Max Uplift A-71(LC 10), C-88(LC 11), D-66(LC 10) Max Grav A=199(LC 1), C=200(LC 18), D=389(LC 1)

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

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; wind. ASCE 1-0, Valin-130mpin (3-secting guist) V(IACCE) 123-103mpin, 1 CDE-3.0ps, BCDE-3.0ps, 1 in-30h, Cat. II, EXP C, enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cartilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

3) Gable requires continuous bottom chord bearing.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.

SEAL SEM JOH AN JORNA March 12,2018



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TCDL 10.0 BCLL 0.0 *	Lumber D Rep Stres		BC 0.11 WB 0.02	Vert(TL) Horz(TL			n/a n/a	999 n/a		
BCDL 10.0		2012/TP12007	Matrix-P	- Autz(IL	, 0.00		II/a	tha	Weight: 20 lb	FT = 20%
				1					<u>-</u>	

LUMBER-

TOP CHORD 2x4 SP No.3 **BOT CHORD** 2x4 SP No.3 **OTHERS** 2x4 SP No.3 **BRACING-**

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 5-9-13 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=109/5-9-3, C=109/5-9-3, D=177/5-9-3

Max Horz A=64(LC 7)

Max Uplift A=-45(LC 10), C=-53(LC 11), D=-15(LC 10)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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

3) Gable requires continuous bottom chord bearing,

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.

March 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 atways required for stability and to prevent cellapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N, Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Type Qıy Ply **Huntington A Wellons** Truss 132668657 V5 Valley 1800518-1800518A 1 Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:46 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-J6SkMkVFbKAWH7BOCQ_G5yDBIELyK9m3L3oE0bzcczt 7-11-15 Dunn, NC 28334 84 Components. 3-11-15 3-11-15 3-11-15 Scale = 1:26.7 11.75 12 ş 3x5 N 3x5 4 2x4 II 7-11-11 7-11-15 7-11<u>-</u>11 0-0-LOADING (psf) SPACING-CSI. DEFL. Ľ∕d **PLATES** GRIP (loc) l/defi TCLL 20.0 Plate Grip DOL 1.25 TC 0.57 Vert(LL) n/a 999 MT20 244/190 n/a TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(TL) n/a n/a 999 0.0 BCLL Rep Stress Incr YES WB 0.04 Horz(TL) 0,00 C 'n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-P Weight: 32 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 **BRACING-**

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=173/7-11-6, C=173/7-11-6, D=236/7-11-6

Max Horz A=124(LC 7)

Max Uplift A=-77(LC 11), C=-79(LC 11), D=-7(LC 10)

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

NOTES.

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Gable requires continuous bottom chord bearing,

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.

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ANSI/TPH Quality.Criteria, DSB-89 and BCSi Building Component Safety information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Job Truss Type Oty Ply Huntington A Wellons Truss 132668658 Valley 1800518-1800518A **V**6 1 Job Reference (optionel)
8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:46 2018, Page 1
ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-J6SkMkVFbKAWH7BOCQ_G5yDIIEOfK9B3L3oE0bzcczt Dunn, NC 28334 84 Components. 4-3-0 2-1-8 B^{4x4} = Scale = 1:13.2 11.75 12 C Į. n 3x5 // 2x4 II 3x5 📏 LOADING (psf) SPACING-CSI. DEFL Ľď **PLATES** GRIP in (loc) I/defl TCLL 20.0 Plate Grip DOL 1.25 TC 0.12 Vert(LL) n/a 999 MT20 244/190 n/a TCDL 10,0 Lumber DOL 1.25 ВС 0,05 Vert(TL) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.01 Horz(TL) 0.00 С n/a n/a BCDL 10.0 Code IRC2012/TPI2007 Matrix-P Weight: 16 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 **BRACING-**

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (Ib/size) A=84/4-2-7, C=84/4-2-7, D=115/4-2-7 Max Horz A=-60(LC 8)

Max Uplift A=37(LC 11), C=38(LC 11), D=4(LC 10)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Gable requires continuous bottom chord bearing.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.

SEAL 45844 March 12,2018



Qty Huntington A Wellons Job Truss Truss Type 132668659 V7 1800518-1800518A Valley Job Reference (optional) 8.130 s Sep 15 2017 MTek Industries, Inc. Fri Mar 9 14:58:47 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-nJ06Z4vtMeINvHmbl7vVe9mRrehp3akCajYoY1zcczs 84 Components. Dunn, NC 28334 10-1-8 10-1-8 Scale: 1/4"=1" 4x4 = n 9,00 12 н 3x6 = 20-3-0 0-0-5 20-2-11 **PLATES** LOADING (psf) SPACING-CSI. DEFL in **V**defi L/d GRIP 2-0-0 (loc) Plate Grip DOL TC 0.20 Vert(LL) 999 MT20 244/190 TCLL 20,0 1.25 n/a n/a TCDL 1.25 999 10.0 Lumber DOL ВС 0.19 Vert(TL) n/a n/a **BCLL** 0.0 Rep Stress Incr YES WB 0.19 0.01 G Horz(TL) BCDL 10.0 Code IRC2012/TPI2007 Matrix-S Weight: 92 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 20-2-5

(ib) - Max Horz A=252(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) A, G except K=272(LC 10), M=196(LC 10), I=-272(LC 11),

H=196(LC 11)

Max Grav All reactions 250 lb or less at joint(s) A, G except J=401(LC 20), K=466(LC 17), M=292(LC 17),

I=466(LC 18), H=292(LC 18)

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

TOP CHORD WERS

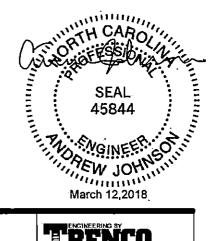
A-B=-270/202

C-K=-376/322, B-M=-283/237, E-I=-376/321, F-H=-283/237

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, G except (jt=lb) K=272, M=196, I=272, H=196.



🛕 WARNING - Verify design paremeters 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracking indicated is to prevent bucking of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent occlapse with possible personal injury and properly demage. For general guidance regarding the fabrication, storage, delivery, arection 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.



Huntington A Wellons Truss Type Qty Ply Job Truss 132668660 1800518-1800518A V8 Valley Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:48 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-FVaUmPWV7xREXRLnJr0kBNlaZ12Go2QLoNHL4Tzcczr 84 Components, Dunn, NC 28334 15-4-5 Scale = 1:36.5 4x4 = 9,00 12 2x4 [] 2x4 || D В 3x4 📎 3x4 4 2x4 || 2x4 || 2x4 || I/defi L/d **PLATES** GRIP SPACING-DEFL. LOADING (psf) 2-0-0 CSL in (loc) 244/190 Plate Grip DOL 1.25 TC 0,33 999 MT20 TCLL 20.0 Vert(LL) n/a n/a TCDL Lumber DOL 1.25 вс 0.11 Vert(TL) n/a n/a 999 10.0 WB 0.10 0.00 BCLL 0.0 Rep Stress Incr YES Horz(TL) n/a BCDI 10.0 Code IRC2012/TPI2007 Matrix-S Weight: 64 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 **BRACING-**

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 15-3-11.

(lb) - Max Horz A=-188(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) A, E except H=-267(LC 10), F=-267(LC 11)

Max Grav All reactions 250 lb or less at joint(s) A, E, G except H=398(LC 17), F=398(LC 18)

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

WEBS B-H=-365/307, D-F=-365/307

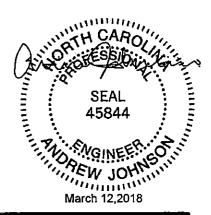
NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ff; Cat: II; Exp C; enclosed; MWFRS (envelope) gable end zone 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

3) Gable requires continuous bottom chord bearing.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, E except (it=lb) H=267, F=267.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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 bucking of Individual truss web and/or chord momenters 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

ANJITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N, Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road

Huntington A Wellons Job Truss Truss Type Оij Ply 132668661 Valley 1800518-1800518A V9 Job Reference (optional) 8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:49 2018 Page 1 ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-jh8t_IX7tFZ58bwztYXzjari5RJ5XU3V111ucvzcczq Dunn, NC 28334 84 Components, 10-5-11 Scale = 1:25.3 9,00 12 2x4 || 375 🔊 3x5 4 <u>10-5-5</u> **PLATES** LOADING (psf) SPACING-2-0-0 CSI. DEFL. l/defl Ľ∕d ìn (loc) 20.Ó Plate Grip DOL 1.25 Vert(LL) 244/190 **TCLL** TC n/a n/a MT20 TCDL 10.0 Lumber DOL 1.25 ВC 0.39 Vert(TL) n/a n/a 999 **BCLL** 0,0 * Rep Stress Incr WB 0.07 Horz(TL) 0.00 BCDL 10.0 Code IRC2012/TPI2007 Matrix-S Weight: 38 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.3 BOT CHORD 2x4 SP No.3 OTHERS 2x4 SP No.3 **BRACING-**

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) A=194/10-5-0, C=194/10-5-0, D=379/10-5-0

Max Horz A=125(LC 7)

Max Uplift A=-69(LC 10), C=-86(LC 11), D=-64(LC 10) Max Grav A=194(LC 1), C=196(LC 18), D=379(LC 1)

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

NOTES

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.

SEAL 45844 March 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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 ANSUTPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



318 Soundside Road

Qty Huntington A Wellons Job Truss Truss Type Ply 132668662 Valley 1800518-1800518A V10 1 Job Reference (optional)
8.130 s Sep 15 2017 MiTek Industries, Inc. Fri Mar 9 14:58:42 2018 Page 1
ID:HQzvBvHPD22FQ9eQE7soz6zcfgh-QLDDWMRkX5g4pWudzavKx63bLd;4OL4TQRq1tpzcczx Dunn, NC 28334 84 Components, 2-9-8 5-7-0 2-9-8 Scale = 1:15.4 4x4 = В 9.00 12 C ţ, D 3x5 🥢 2x4 || 3x5 🛇 5-6-11 LOADING (psf) SPACING-**PLATES** CSI. DEFL. in l/defi Ľď GRIP (loc) TCLL 20.0 Plate Grip DOL 1.25 TC Vert(LL) 999 244/190 0.19 n/a n/a MT20 TCDL 10.0 Lumber DOL 1.25 ВС 0.10 Vert(TL) n/a 999 n/a Rep Stress incr BCLL 0,0 YES WB 0.02 0.00 С Horz(TL) BCDL 10.0 Code IRC2012/TPI2007 Matrix-P Weight: 19 lb FT = 20% LUMBER-**BRACING-**TOP CHORD 2x4 SP No.3 TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.

BOT CHORD 2x4 SP No.3 **OTHERS** 2x4 SP No.3

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=104/5-6-5, C=104/5-6-5, D=169/5-6-5

Max Horz A=61(LC 6)

Max Uplift A=43(LC 10), C=51(LC 11), D=14(LC 10)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) V(IRC2012)=103mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone 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
- 3) Gable requires continuous bottom chord bearing,

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

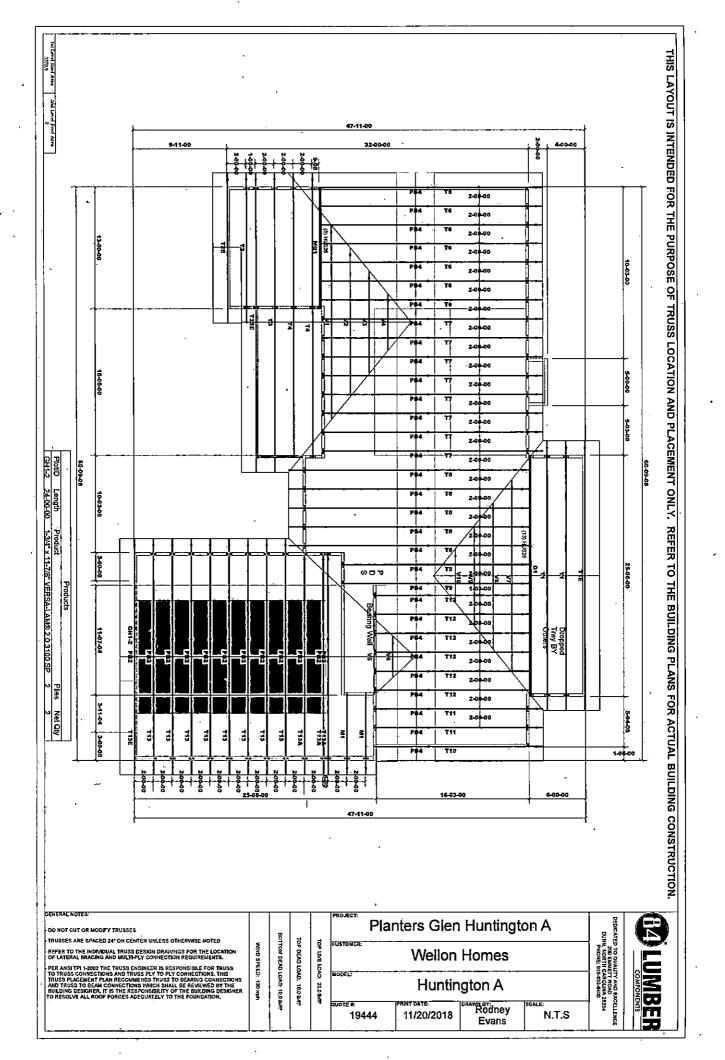
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) A, C, D.

NORT March 12,201

🛕 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 property incorporate this design into the overall building designer must verify the applicability of design parameters and property 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 demage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITIFIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.







SOLD TO Wellon Homes

JOB NAME Planters Glen Huntington A SUBDIVISION Planters Glen

BUILDER

MODEL Huntington A

SHIP TO Planters Glen .

Dunn? NC

TRANSACTION # 19444
STATUS Order

DEL DATE 7/4/2019
SALES REP TONY Stanley

CONTACT

84 Lumber Company • 200 Emmett Rd • Dunn • NC • 28334 • Phone: (910) 892-8400 • Fax: (910) 892-8343

Component	t Iten	n - Roc	f Trusse	<u>es</u>								
	QTY			(Shipping)	Base Span		OVERH		CANTIL		ST	
DIAGRAM	PLY	PITCH	LABEL	HEIGHT	SPAN	LUMBER	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	1 2-ply	9 /12	G1	10-01-14	25-06-00	2 x 6				_	-	
	2	11.75 /1 2	M1	(9-02-04) 9-00-03	7-02-12	2 x 6 2 x 4	1-06-00		-	.	-	<u> </u>
	1 2-ply	9 /12	MG1	10-04-02	13-00-00	2 x 6	•		-	-	-	
	12	11.75 /1 2	PB2	(2-06-00) 2-04-08	5-01-04	2 x 4	_		-	3-11-11	_	_
	31	11 /12	PB4	(1-10-00) 1-08-08	4-00-00	2×4			_	2-09-13		
	2	9 /12	T1	(11-03-02) 10-01-14		2 x 6 2 x 4	1-06-00	1-06-00				
	1	9/12	T1E	(11-03-02) 10-01-14	25-06-00	2 x 6		1-06-00				
		· ·		(6-06-14)	25-06-00	2 x 4 2 x 6	1-06-00			-		
	1	9 /12	T2 .	5-05-10	13-00-00	2 x 4	1-06-00	1-06-00		-		
	1	9 /12	T2E	(6-06-14) 5-05-10	13-00-00	2×6 2×4	1-06-00	1-06-00	-	-		-
	1	.9 /12	Т3	(12-05-15) 11-04-11	28-09-08	2 x 6 2 x 4	1-06-00	1-06-00	-	-	-	-
	1	9 /12	T3SE	(12-05-15) 11-04-11	28-09-08	2×6 2×4	1-06-00	1-06-00	-	-	-	
	2	9 /12	T4	(12-05-15) 11-04-11	28-09-08	2×6 2×4	1-06-00				-	
	1	11 /12	Т5	(11-01-15) 10-00-02	22-00-00	2 x 6 2 x 4	1-06-00		-	_	-	
	6	11/12	T6	(11-01-15) 10-00-02	22-00-00	2 x 6 2 x 4	1-06-00		_	_	_	
	8	11 /12 6 /12	Т7	(11-01-15) 10-00-02	22-00-00	2 x 6 2 x 4	1-06-00	<u>-</u>				· -
	5	11 /12	Т8	(11-01-15) 10-00-02		2 x 6		1-06-00		-		
			<u> </u>		24-00-00	2×6		1-00-00		<u> </u>		
	2	11 /12	Т9	10-00-02 (11-01-15)	19-11-00	2 x 6				-		
	1	11/12	T10	10-00-02	16-06-08	2 x 4	1-06-00		-	-		
	2	11 /12	T11	(11-01-15) 10-00-02	16-06-08	2 x 6 2 x 4	1- 06 - 0 0		-	-	-	<u>-</u>
	6	11/12	T12	10-00-02	16-06-08	2 x 6 2 x 4			-	-	-	
	8	11.75 /1 2	T13	(10-04-09) 10-02-08	22-00-00	2 x 6 2 x 10	1-06-00	1-06-00	-	-	-	
	3.	11.75 /1	T13A	(10-04-09). 10-02-08	22-00-00	2 x 6 2 x 10		1-06-00	-	_	<u>-</u>	-



SOLD TO Wellon Homes

JOB NAME Planters Glen Huntington A

SUBDIVISION Planters Glen

BUILDER

MODEL Huntington A

SHIP TO Planters Glen

Dunn? NC

transaction# 19444 status Order

DEL DATE 7/4/2019

SALES REP Tony Stanley

CONTACT

84 Lumber Company • 200 Emmett Rd • Dunn • NC • 28334 • Phone: (910) 892-8400 • Fax: (910) 892-8343

Component Item - Roof Trusses

	QTY			(Shipping)	Base Span		OVERH	IANG	CANTIL	.EVER	ST	TUB
DIAGRAM	PLY	PITCH	LABEL	HEIGHT	SPAN	LUMBER	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
	1	11.75 /1 2	T13E	(10-04-09) 10-02-08	22-00-00	2 x 6 2 x 10	1-06-00	1-06-00	-		-	-
	1	9 /12	V1	7-08-03	20-05-13	2 x 4		•	-	-	-	<u>-</u>
	1	9 /12	V2	5-10-03	15-07-03	2 x 4	•		-		-	
	1	9 /12	V3	4-00-03	10-08-08	2 x 4	•	,	•		4	_
	·1	9 /12	V4	2-02-03	5-09-13	.2 x 4			-		·	-
	1	11.75 /1 2	V5	3-10-15	7-11-15	2 x 4			-	_	•	. <u>-</u>
	1	11.75 <i> </i> 1 2	V6	2-00-15	4-03-00	2 x 4				-	•	· -
	1	9/12	V7	7-07-02	20-03-00	2 x 4			:		•	· -
	1	9 /12	V8	5-09-02	15-04-05	2 x 4		•	-	-		· <u>-</u>
	1	9 /12	V9	3-11-02	.10-05-11	2 x 4			-	-		. <u>.</u>
	1	9 /12	V10	2-01-02	- 0 07 00				-	-		<u> </u>
	111				1475.13	1						

Ancillary Items

QTY	Label	Description	Length
2	GH1-2	1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP	22-00-00
19	HUS26	HUS26	

Please review the delivery date, directions, pricing and all order details for accuracy

Grand Total \$7,522.10

Thank you for the order.

P.O.# :

Rodney Evans

Notes

Tax and Delivery Included

* IMPORTANT NOTE *



SOLD TO Wellon Homes

JOB NAME Planters Glen Huntington A

SUBDIVISION Planters Glen

BUILDER MODEL Huntington A

sнір то Planters Glen

Dunn? NC

TRANSACTION# 19444
STATUS Order

DEL DATE 7/4/2019

SALES REP Tony Stanley

CONTACT

84 Lumber Company • 200 Emmett Rd • Dunn • NC • 28334 • Phone: (910) 892-8400 • Fax: (910) 892-8343

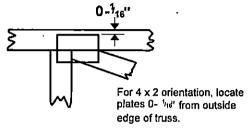
THIS PROPOSAL IS BASED ON LUMBER DESIGN VALUES IN EFFECT AT THE TIME OF THE QUOTE. IN THE EVENT ANY LUMBER DESIGN VALUES CHANGE BEFORE THE COMPLETION OF THE PROJECT, 84 LUMBER COMPANY RESERVES THE RIGHT TO MODIFY THE PRICE ACCORDINGLY.

Symbols

PLATE LOCATION AND ORIENTATION



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



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

 4×4

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

LATERAL BRACING LOCATION



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

BEARING



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

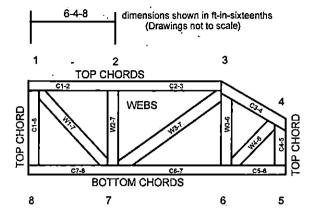
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction. Design Standard for Bracing.

DSB-89: BCSI:

Building Component Safety Information, Guide to Good Practice for Handling. Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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MiTek Engineering Reference Sheet: MII-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 ioint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- 7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- 8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- 9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- 10. Camber is a non-structural consideration and is the responsibility of truss fabricator, General practice is to camber for dead load deflection.
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- 12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- 13. Top chords must be sheathed or purlins provided at spacing indicated on design.
- 14. Bottom chords require lateral bracing at 10 ft, spacing, or less, if no ceiling is installed, unless otherwise noted.
- 15. Connections not shown are the responsibility of others.
- 16. Do not cut or after truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- 18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- 19, Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- 20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.