

Account: CONTRACTORS  
 Job: INN-CG-1403  
 Designer: C. LITTLE  
 Checker:  
 Date: 04-29-14

Roof Loading  
 TC Live: 20.00 psf  
 TC Dead: 10.00 psf  
 BC Live: 0.00 psf  
 BC Dead: 10.00 psf  
 TC Stress Inc: 25.00  
 BC Stress Inc: 25.00  
 Spacing: 2-0-0 o.c.

**INNOVATIVE**  
 MODEL 1403  
 ALACHUA COUNTY  
 COTTAGE GROVE  
 130 MPH ASCE WIND LOAD

**GABLES NOT DROPPED**

**8/12 ROOF**

**18" O.H.**



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

RE: INN-CG-1403 -

**MiTek USA, Inc.**

6904 Parke East Blvd.  
 Tampa, FL 33610-4115

**Site Information:**

Customer Info: INNOVATIVE Project Name: COTTAGE GROVE MODEL 1403 Model:  
 Lot/Block: . Subdivision: COTTAGE GROVE  
 Address: .  
 City: ALACHUA COUNTY State: FLORIDA

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

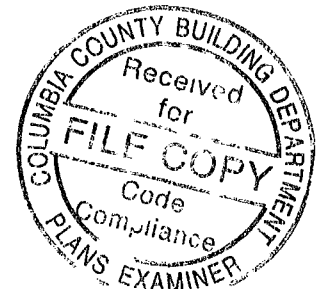
Name: License #:  
 Address:  
 City: State:

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

Design Code: FBC2010 Design Program: OnLine Plus 30.0.023  
 Wind Code: ASCE 7-10 Wind Speed: 130 mph  
 Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 16 individual, dated Truss Design Drawings and 0 Additional Drawings.  
 With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

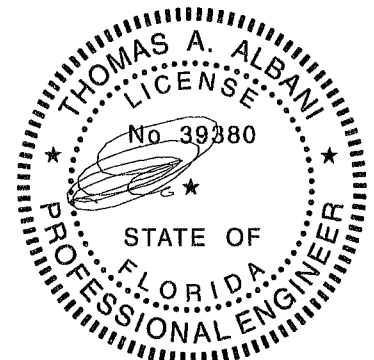
No.	Seal#	Truss Name	Date
1	T6282261	A1	4/29/014
2	T6282262	A2	4/29/014
3	T6282263	A3	4/29/014
4	T6282264	A4GE	4/29/014
5	T6282265	A5	4/29/014
6	T6282266	A6	4/29/014
7	T6282267	A7	4/29/014
8	T6282268	B1GIR	4/29/014
9	T6282269	B2	4/29/014
10	T6282270	B3	4/29/014
11	T6282271	B4GE	4/29/014
12	T6282272	C1GIR	4/29/014
13	T6282273	C2	4/29/014
14	T6282274	C3GE	4/29/014
15	T6282275	P1	4/29/014
16	T6282276	P2GE	4/29/014



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

Truss Design Engineer's Name: Albani, Thomas  
 My license renewal date for the state of Florida is February 28, 2015.

**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.

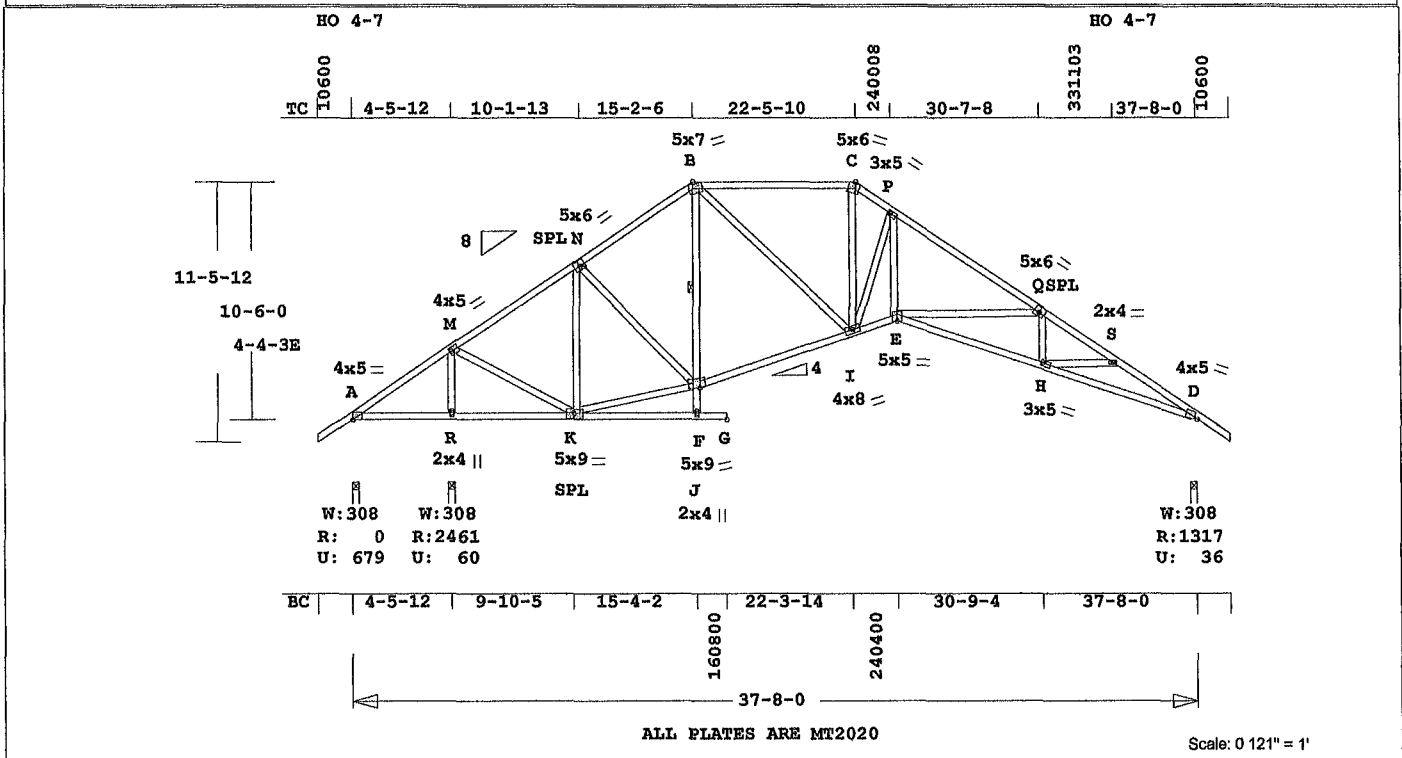


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A1</b>	Quan <b>4</b>	Type <b>SP</b>	Span <b>370800</b>	P1-H1 <b>8</b>	Left OH <b>1- 6- 0</b>	Right OH <b>1- 6- 0</b>	Engineering <b>T6282261</b>
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**COTTAGE GROVE MODEL 1403**



ALL PLATES ARE MT2020

Scale: 0 121" = 1'

Online Plus -- Version 30 0 023  
RUN DATE 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- Lumber-----  
TC 0 98 2x 4 SP-#2  
BC 0 82 2x 4 SP-#2  
CW 0 26 2x 4 SP-#2  
WB 0 84 2x 4 SP-#2

Brace truss as follows:  
O C From To  
TC Cont. 0- 0- 0 15- 2- 6  
or 48.0" 0- 0- 0 15- 2- 6  
TC 42 0" 15- 2- 6 22- 5-10  
TC Cont. 22- 5-10 37- 8- 0  
or 30.0" 22- 5-10 37- 8- 0  
BC Cont 0- 0- 0 37- 8- 0  
or 60 0" 0- 0- 0 37- 8- 0  
Continuous Lateral Restraint req'd at mid-point of webs:  
F -B

psf-Ld	Dead	Live
TC	10 0	20 0
BC	10.0	0 0
TC+BC	20.0	20.0
Total	40 0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
	Fb	Fc
TC	1 10	1.10 1 10
BC	1.10	1.10 1 10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
A 679 U 198 R  
R 2462 61 U  
D 1317 37 U 198 R

Jt	Brg Size	Required
A	3 5"	1.5"
R	3.5"	2.6"
D	3.5"	1.6"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-End
-----Top Chords-----				
A -M	0.64	1399	T 0.29	0.35
M -N	0.35	569	C 0.00	0.35
N -B	0.27	989	C 0.01	0.26
B -C	0.98	1427	C 0.24	0.74

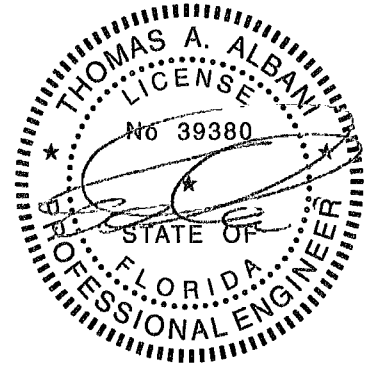
MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 307.4 LBS  
C -P 0 40 1698 C 0.02 0 38  
P -Q 0 65 2374 C 0.12 0.53  
Q -S 0 45 3168 C 0.08 0 37  
S -D 0 60 3245 C 0 09 0 51  
-----Bottom Chords-----  
A -R 0 29 1130 C 0 01 0 28  
R -K 0 22 1130 C 0.01 0.21  
K -J 0.19 79 C 0 00 0 19  
F -I 0 36 874 T 0 11 0 25  
I -E 0.57 2014 T 0 41 0 16  
E -H 0 78 2830 T 0.58 0 20  
H -D 0 82 2811 T 0.56 0 26  
-----Chord-Webs-----  
J -F 0 26 86 T 0 01 0 25  
F -B 0.07 407 C 0.00 0.07  
-----Webs-----  
R -M 0 42 2298 C  
M -K 0.41 1826 T  
K -N 0.72 901 C  
K -F 0 11 571 T  
N -F 0.11 522 T  
B -I 0.18 846 T  
I -C 0.14 659 T  
I -P 0.84 1538 C  
E -P 0.35 1591 T  
E -Q 0 57 766 C  
H -Q 0.04 232 T  
H -S 0 01 99 T

TL Defl -0.56" in E -H L/699  
LL Defl -0.22" in E -H L/999  
Hz Disp LL DL TL  
Jt R 0.14" 0.22" 0.36"  
Shear // Grain in B -C 0.27

Plates for each ply each face  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JBI  
A MT20 4.0x 5.0 Ctr 0.1 0.46  
M MT20 4.0x 5.0-0.4-0.3 0.84  
N MT20 5.0x 6.0-0 3 0 5 0.55  
B MT20 5.0x 7.0 1.6-3 4 0.62  
C MT20 5.0x 6.0-1.0-3.3 0 86  
P MT20 3 0x 5.0 0.8-0.6 0.84  
Q MT20 5.0x 6.0 0 3 0 5 0.84  
S MT20 2.0x 4.0 Ctr Ctr 0.29  
D MT20 4 0x 5.0 Ctr 0 2 0.95  
R MT20 2.0x 4.0 Ctr Ctr 0 59  
K MT20 5.0x 9 0 0.5-0 5 0.59  
J MT20 2.0x 4 0 Ctr Ctr 0.58  
F MT20 5.0x 9.0 Ctr 1.4 0.72  
I MT20 4.0x 8.0 Ctr Ctr 0.70  
E MT20 5.0x 5.0 Ctr-1.2 0.97  
H MT20 3.0x 5.0 Ctr Ctr 0.35

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS  
NOTES:  
Trusses Manufactured by: Mayo Truss Co. Inc  
Analysis Conforms To: FBC2010 TPI 2007 OH Loading  
Soffit psf 2.0  
This truss has been designed for 20.0 psf LL on the B C in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B C. and any other member.  
Design checked for 10 psf non-concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
User-defined wind-exposed BC regions --From-- --To--  
0- 0- 0 4- 5-12  
Max comp. force 3245 lbs  
Max tens. force 2830 lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

REVIEWED BY:

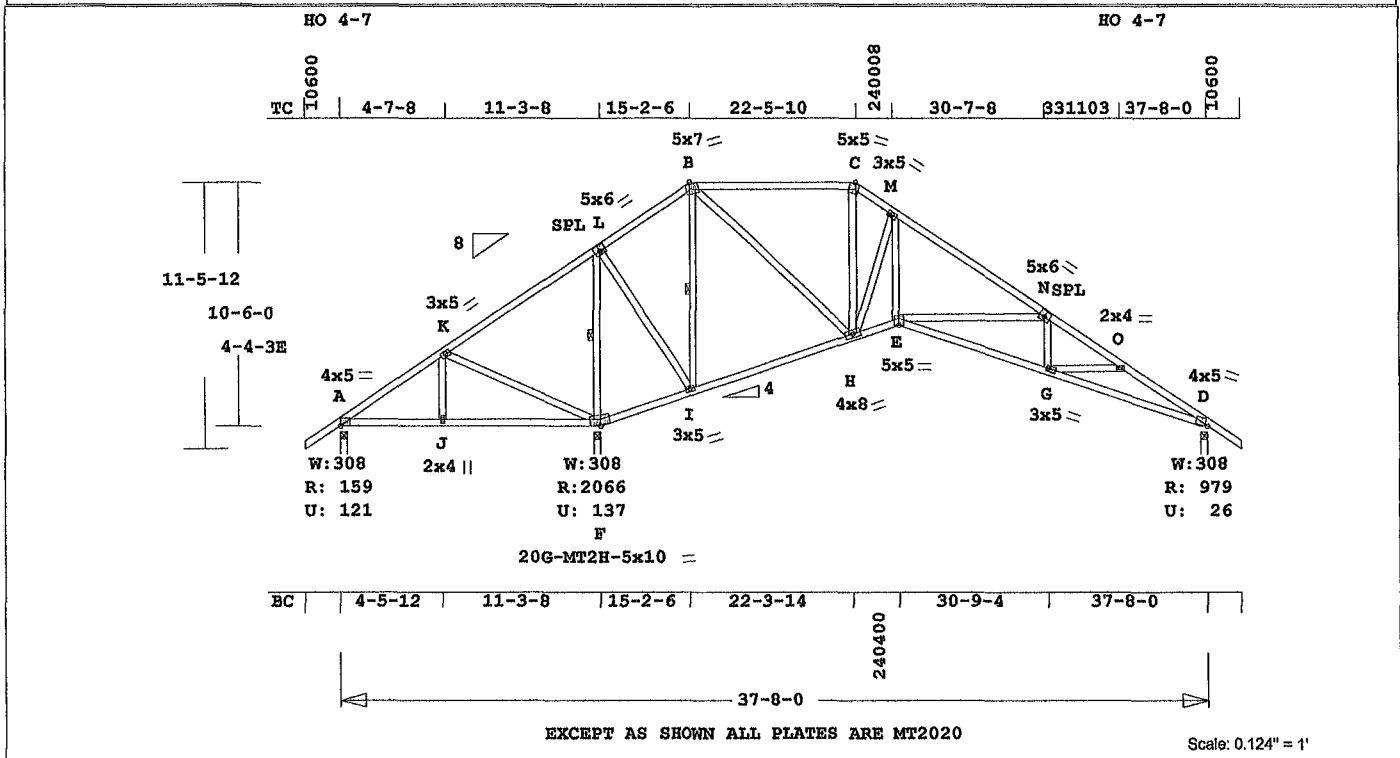


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A2</b>	Quan <b>3</b>	Type <b>SP</b>	Span <b>370800</b>	Pl-H1 <b>8</b>	Left OH <b>1- 6- 0</b>	Right OH <b>1- 6- 0</b>	Engineering <b>T6282262</b>
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COTTAGE GROVE MODEL 1403



Online Plus -- Version 30 0 023  
RUN DATE 29-APR-14

Southern Pine Lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---

TC	0.70	2x 4	SP-#2
BC	0.73	2x 4	SP-#2
WB	0.60	2x 4	SP-#2

Brace truss as follows:

O C	From	To
TC Cont.	0- 0- 0	15- 2- 6
or	48 0"	0- 0- 0
TC	48.0"	15- 2- 6
TC Cont.	22- 5-10	37- 8- 0
or	42.0"	22- 5-10
BC Cont.	0- 0- 0	37- 8- 0
or	72 0"	0- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:  
F -L I -B  
Attach CLR with (2)-10d nails at each web  
Refer to ECSI for diagonal restraint requirements

psf-Ld Dead Live

TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"  
Lumber Duration Factor 1.25  
Plate Duration Factor 1.25

TC	1.10	1.10	1.10	1.10
BC	1.10	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt Down	Uplift	Horiz-
A	159	122 U 197 R
F	2067	138 U
D	979	27 U 198 R

Jt	Brg Size	Required
A	3.5"	1 5"
F	3.5"	2 2"
D	3.5"	1 5"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd

A -K	0.43	269 T	0.03	0.40
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MiTek® Online Plus™ APPROX

K -L	0.55	733 T	0.12	0.43
L -B	0.36	142 T	0.00	0.36
B -C	0.70	644 C	0.07	0.63
C -M	0.34	782 C	0.00	0.34
M -N	0.46	1210 C	0.03	0.43
N -O	0.39	2062 C	0.03	0.36
O -D	0.36	2216 C	0.04	0.32

Bottom Chords

A -J	0.35	216 C	0.00	0.35
J -F	0.64	216 C	0.00	0.64
F -I	0.73	644 C	0.00	0.73
I -H	0.30	239 C	0.00	0.30
H -E	0.42	1053 T	0.20	0.22
E -G	0.54	1919 T	0.38	0.16
G -D	0.57	1998 T	0.38	0.19

Webs

J -K	0.06	323 T		
K -F	0.54	584 C		
F -L	0.41	1492 C	1 Br	
L -I	0.21	933 T		
I -B	0.35	963 C	1 Br	
B -H	0.20	937 T		
H -C	0.04	263 T		
H -M	0.59	1070 C		
E -M	0.21	983 T		
E -N	0.60	798 C		
G -N	0.05	267 T		
G -O	0.02	117 C		

TRUSS WEIGHT: 296.4 LBS  
6904 Parke East Blvd  
Tampa, FL 33610

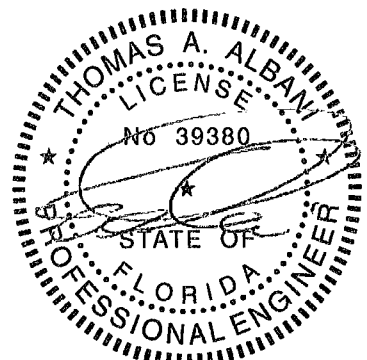
REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS

NOTES:  
Trusses Manufactured by Mayo Truss Co. Inc  
Analysis Conforms To FBC2010  
TPI 2007  
OH Loading Soffit psf 2.0  
This truss has been designed for 20.0 psf LL on the B C in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C and any other member  
Design checked for 10 psf non-concurrent LL on BC  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location.  
Wind Speed 130 mph  
Risk Category II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
User-defined wind-exposed BC regions --From-- --To--  
0- 0- 0 11- 3- 8  
Max comp. force 2216 Lbs  
Max tens force 1998 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

TL Defl -0.24" in J -F L/533  
LL Defl -0.09" in J -F L/999  
Hz Disp LL DL TL  
Jt F 0.10" 0.16" 0.26"  
Shear // Grain in B -C 0.27

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 4.0x 5.0 Ctr 0.1 0.37  
K MT20 3.0x 5.0 Ctr Ctr 0.37  
L MT20 5.0x 6.0-0.3 0.5 0.70  
B MT20 5.0x 7.0 1.6-3.4 0.69  
C MT20 5.0x 5.0-0.9-3 1 0.87  
M MT20 3.0x 5.0 Ctr Ctr 0.75  
N MT20 5.0x 6.0 0 3 0 5 0.70  
O MT20 2.0x 4.0 Ctr Ctr 0.26  
D MT20 4.0x 5.0 Ctr 0 2 0 65  
J MT20 2.0x 4.0 Ctr Ctr 0.34  
F MT2H 5.0x10.0-0.5 3.3 0.81  
I MT20 3.0x 5.0 Ctr Ctr 0.69  
H MT20 4.0x 8.0 Ctr Ctr 0.47  
E MT20 5.0x 5.0 Ctr-1 2 0.65  
G MT20 3.0x 5.0 Ctr Ctr 0.35

REVIEWED BY:  
MiTek Industries, Inc.



FL Cert. 6634

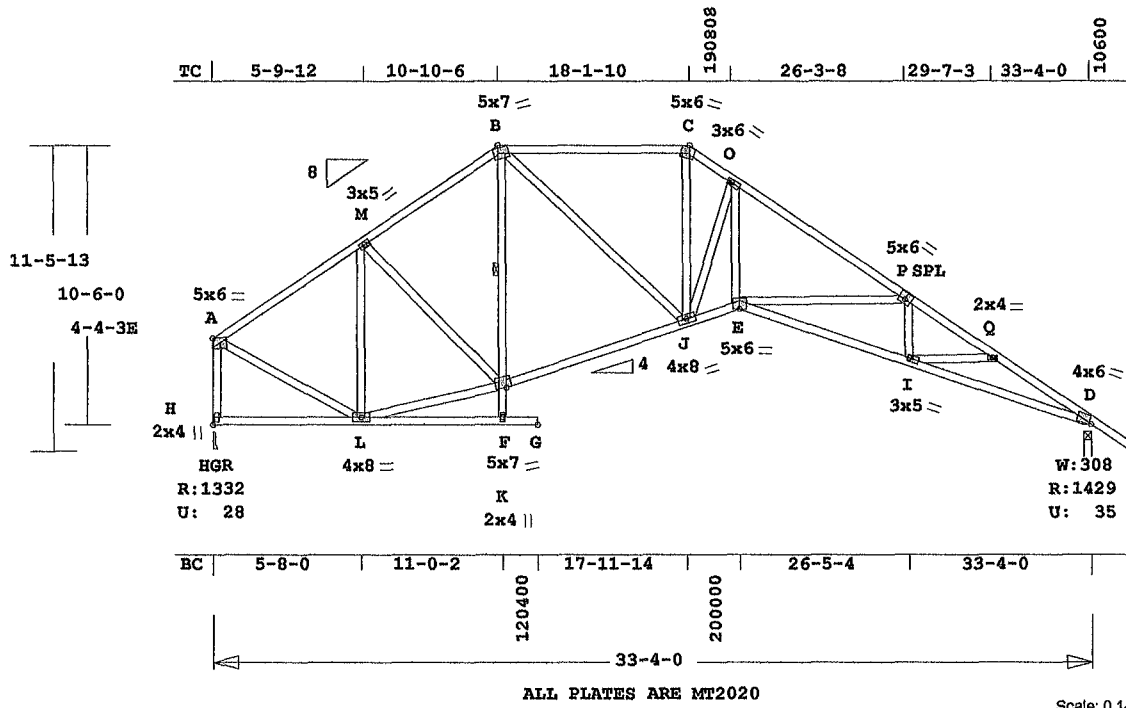
April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A3</b>	Quan <b>7</b>	Type <b>SP</b>	Span <b>330400</b>	P1-H1 <b>8</b>	Left OH <b>0</b>	Right OH <b>1- 6- 0</b>	Engineering <b>T6282263</b>
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COTTAGE GROVE MODEL 1403

HO 3-3-2

HO 4-7



ALL PLATES ARE MT2020

Scale: 0.142" = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT 286.0 LBS

Online Plus -- Version 30 0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPFB//ALSC UON  
CSI -Size- Lumber-  
TC 1 00 2x 4 SP-#2  
BC 0 91 2x 4 SP-#2  
CW 0 24 2x 4 SP-#2  
WB 0 93 2x 4 SP-#2

Brace truss as follows  
O.C From To  
TC Cont. 0- 0- 0 10-10- 6  
or 48 0" 0- 0- 0 10-10- 6  
TC 36.0" 10-10- 6 18- 1-10  
TC Cont. 18- 1-10 33- 4- 0  
or 30.0" 18- 1-10 33- 4- 0  
BC Cont. 0- 0- 0 33- 4- 0  
or 72.0" 0- 0- 0 33- 4- 0

Continuous Lateral Restraint req'd at mid-point of webs  
F -B

psf-Ld Dead Live  
TC 10.0 20 0  
BC 10.0 0 0  
TC+BC 20.0 20.0  
Total 40.0 Spacing 24.0"  
Lumber Duration Factor 1 25  
Plate Duration Factor 1 25  
Fb Fc Ft Emin  
TC 1.10 1.10 1.10 1.10  
BC 1 10 1 10 1.10 1.10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
H 1333 29 U 226 R  
D 1430 35 U 184 R

Jt Brg Size Required  
H 3.5" 1.6"  
D 3.5" 1.7"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-End  
-----Top Chords-----  
A -M 0.44 1112 C 0.03 0.41  
M -B 0.34 1328 C 0.01 0.33  
B -C 1.00 1691 C 0.19 0.81  
C -O 0.43 2006 C 0.03 0.40  
O -P 0.75 2761 C 0.17 0.58  
P -Q 0.48 3537 C 0.10 0.38  
Q -D 0.69 3588 C 0.11 0.58  
-----Bottom Chords-----  
H -L 0.23 193 T 0.00 0.23  
L -K 0.23 74 C 0.00 0.23  
F -J 0.41 1168 T 0.24 0.17

J -E 0.65 2347 T 0.48 0.17  
E -I 0.85 3151 T 0.64 0.21  
I -D 0.91 3070 T 0.62 0.29  
-----Chord-Webs-----  
K -F 0.24 80 T 0.01 0.23  
F -B 0.07 204 C 0.00 0.07  
-----Webs-----  
H -A 0.23 1287 C WindLd  
A -L 0.24 1072 T  
L -M 0.50 627 C  
M -F 0.22 1012 T  
M -F 0.05 262 T  
B -J 0.17 819 T  
J -C 0.18 813 T  
J -O 0.93 1677 C  
E -O 0.40 1798 T  
E -P 0.57 758 C  
I -P 0.04 220 T  
I -Q 0.01 104 T

TL Defl -0.63" in E -I L/628  
LL Defl -0.24" in E -I L/999  
Hz Disp LL DL TL  
Jt D 0.17" 0.26" 0.43"  
Shear // Grain in B -C 0.26

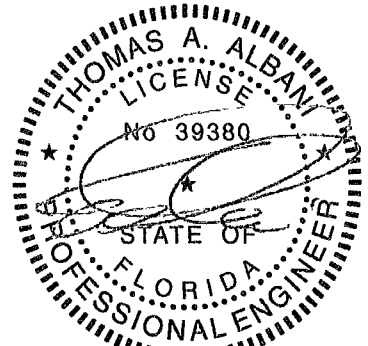
Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y J81  
A MT20 5.0x 6.0 Ctr-0.3 0.75  
M MT20 3.0x 5.0 Ctr Ctr 0.37  
B MT20 5.0x 7.0 1.6-3.4 0.72  
C MT20 5.0x 6.0 1.0-3.3 0.94  
O MT20 3.0x 6.0 0.8-0.6 0.84  
P MT20 5.0x 6.0 0.3 0.5 0.88  
Q MT20 2.0x 4.0 Ctr Ctr 0.29  
D MT20 4.0x 6.0 Ctr 0.3 0.88  
H MT20 2.0x 4.0 Ctr Ctr 0.33  
L MT20 4.0x 8.0 Ctr Ctr 0.53  
K MT20 2.0x 4.0 Ctr Ctr 0.58  
F MT20 5.0x 7.0 Ctr 1.1 0.93  
J MT20 4.0x 8.0 Ctr Ctr 0.77  
E MT20 5.0x 6.0 Ctr-1.2 0.87  
I MT20 3.0x 5.0 Ctr Ctr 0.35

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FEC2010  
TPI 2007  
OH Loading

Soffit psf 2.0  
This truss has been designed for 20 0 psf LL on the B C in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B C and any other member  
Design checked for 10 psf non-concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as  
Components and Claddings\* for Exterior zone location  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load 6.0 psf  
BC Dead Load: 6 0 psf  
Max comp. force 3588 Lbs  
Max tens force 3151 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1 5 which is used to calculate total load deflection.

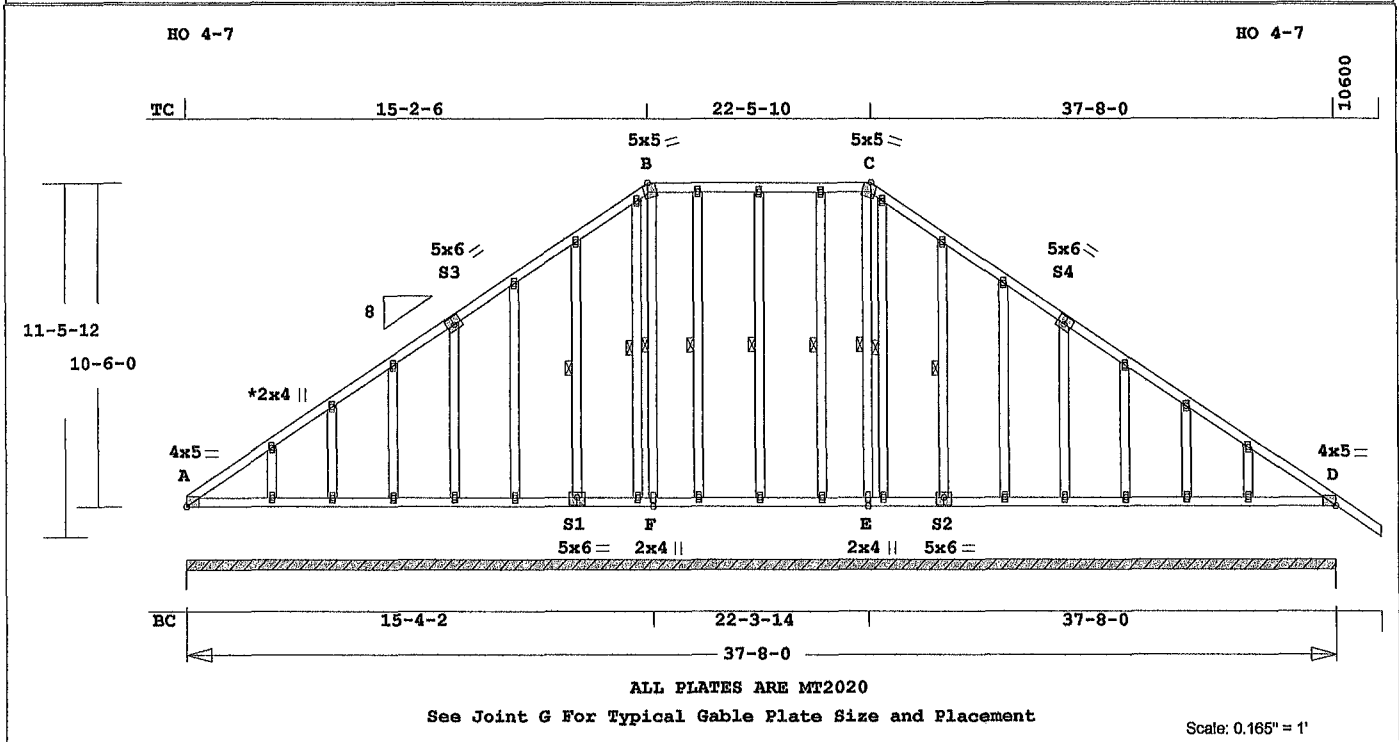


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A4GE</b>	Quan 2	Type HIPP	Span 370800	P1-H1 8	Left OH 0	Right OH 1-6-0	Engineering T6282264
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COTTAGE GROVE MODEL 1403



ALL PLATES ARE MT2020

See Joint G For Typical Gable Plate Size and Placement

Scale: 0.165" = 1'

Online Plus -- Version 30.0.023  
RUN DATE 29-APR-14

Southern Pine Lumber design values are those effective 06-01-13 by SPIB/ALSC UCM  
CSI -Size- ---Lumber---  
TC 0 08 2x 4 SP-#2  
BC 0 05 2x 4 SP-#2  
WB 0 10 2x 4 SP-#2  
GW 0 29 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont 0-0-0 15-2-6  
or 48 0" 0-0-0 15-2-6  
TC 48 0" 15-2-6 22-5-10  
TC Cont. 22-5-10 37-8-0  
or 48 0" 22-5-10 37-8-0  
BC Cont. 0-0-0 37-8-0  
or 120 0" 0-0-0 37-8-0

Continuous Lateral Restraint req'd at mid-point of webs:  
F-B E-C S1-Q T-S  
V-U X-W Z-Y BB-AA  
S2-CC

Attach CLR with (2)-10d nails at each web.  
Refer to ECBI for diagonal restraint requirements.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40 0	Spacing 24 0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
Fb	Fc	Ft Emin
TC	1.10	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
A 3109 71 U 198 R  
Jt Brg Size Required  
A 452.0" 0"-to- 452"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
---Top Chords---					
A-G	0.08		211 C	0.02	0.06
G-I	0.06		138 C	0.01	0.05
I-K	0.04		83 C	0.00	0.04
K-S3	0.04		70 C	0.00	0.04
S3-O	0.03		59 C	0.00	0.03
O-Q	0.04		97 T	0.00	0.04
Q-S	0.04		159 T	0.00	0.04
S-B	0.03		172 T	0.02	0.01
B-U	0.02		164 T	0.00	0.02

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 402.8 LBS

U-W	0.04	164 T	0.00	0.04
W-Y	0.04	164 T	0.00	0.04
Y-Q	0.02	164 T	0.00	0.02
C-AA	0.03	172 T	0.02	0.01
AA-CC	0.04	159 T	0.00	0.04
CC-EE	0.04	97 T	0.00	0.04
EE-BA	0.03	59 C	0.00	0.03
BA-II	0.04	70 C	0.00	0.04
II-KK	0.04	84 C	0.00	0.04
KK-MM	0.06	138 C	0.01	0.05
MM-D	0.07	210 C	0.02	0.05

---Bottom Chords---  
A-H 0.05 4 T 0.00 0.05  
H-J 0.03 0 T 0.00 0.03  
J-L 0.02 0 T 0.00 0.02  
L-N 0.02 0 T 0.00 0.02  
N-P 0.02 0 T 0.00 0.02  
P-S1 0.02 0 T 0.00 0.02  
S1-T 0.02 0 T 0.00 0.02  
T-F 0.01 0 T 0.00 0.01  
F-V 0.01 0 T 0.00 0.01  
V-X 0.02 0 T 0.00 0.02  
X-Z 0.02 0 T 0.00 0.02  
Z-E 0.01 0 T 0.00 0.01  
E-BB 0.01 0 T 0.00 0.01  
BB-S2 0.02 0 T 0.00 0.02  
S2-FF 0.02 0 T 0.00 0.02  
FF-HH 0.02 0 T 0.00 0.02  
HH-JJ 0.02 0 T 0.00 0.02  
JJ-LL 0.02 0 T 0.00 0.02  
LL-NN 0.03 0 T 0.00 0.03  
NN-D 0.04 3 T 0.00 0.04

---Webs---  
F-B 0.10 45 C 1 Br  
E-C 0.10 45 C 1 Br

---Gable Webs---  
H-G 0.01 169 C  
J-I 0.02 115 C  
L-K 0.06 129 C  
N-S3 0.10 127 C  
P-O 0.15 126 C  
S1-Q 0.22 136 C 1 Br  
T-S 0.15 70 C 1 Br  
V-U 0.24 105 C 1 Br  
X-W 0.29 127 C 1 Br  
Z-Y 0.24 105 C 1 Br  
BB-AA 0.15 71 C 1 Br  
S2-CC 0.22 136 C 1 Br  
FF-EE 0.15 126 C  
HH-BA 0.10 127 C  
JJ-II 0.06 129 C  
LL-KK 0.02 116 C  
NN-MM 0.01 166 C

TL Defl 0 00" in A-H L/999  
LL Defl 0.00" in NN-D L/999  
Shear // Grain in A-G 0.09

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT20 20 Ga, Gross Area  
Jt Type Plt Size X Y JBI  
A MT20 4.0x 5.0 Ctr 0.1 0.37  
G MT20 2.0x 4.0 Ctr Ctr 0.00

I	MT20	2.0x 4.0	Ctr Ctr	0.00
K	MT20	2.0x 4.0	Ctr Ctr	0.00
S3	MT20	5.0x 6.0	0-0 3 0.5	0.37
O	MT20	2.0x 4.0	Ctr Ctr	0.00
Q	MT20	2.0x 4.0	Ctr Ctr	0.00
S	MT20	2.0x 4.0	Ctr Ctr	0.00
B	MT20	5.0x 5.0	0.9-3.1	0.33
U	MT20	2.0x 4.0	Ctr Ctr	0.00
W	MT20	2.0x 4.0	Ctr Ctr	0.00
Y	MT20	2.0x 4.0	Ctr Ctr	0.00
C	MT20	5.0x 5.0	0-9-3.1	0.33
AA	MT20	2.0x 4.0	Ctr Ctr	0.00
CC	MT20	2.0x 4.0	Ctr Ctr	0.00
EE	MT20	2.0x 4.0	Ctr Ctr	0.00
S4	MT20	5.0x 6.0	0 0 3 0.5	0.37
II	MT20	2.0x 4.0	Ctr Ctr	0.00
KK	MT20	2.0x 4.0	Ctr Ctr	0.00
MM	MT20	2.0x 4.0	Ctr Ctr	0.00
D	MT20	4.0x 5.0	Ctr 0 1 0	0.37
H	MT20	2.0x 4.0	Ctr Ctr	0.00
J	MT20	2.0x 4.0	Ctr Ctr	0.00
L	MT20	2.0x 4.0	Ctr Ctr	0.00
N	MT20	2.0x 4.0	Ctr Ctr	0.00
P	MT20	2.0x 4.0	Ctr Ctr	0.00
S1	MT20	5.0x 6.0	Ctr-0 5	0.39
T	MT20	2.0x 4.0	Ctr Ctr	0.00
F	MT20	2.0x 4.0	Ctr Ctr	0.34
V	MT20	2.0x 4.0	Ctr Ctr	0.00
X	MT20	2.0x 4.0	Ctr Ctr	0.00
Z	MT20	2.0x 4.0	Ctr Ctr	0.00
E	MT20	2.0x 4.0	Ctr Ctr	0.34
BB	MT20	2.0x 4.0	Ctr Ctr	0.00
S2	MT20	5.0x 6.0	Ctr-0.5	0.39
FF	MT20	2.0x 4.0	Ctr Ctr	0.00
HH	MT20	2.0x 4.0	Ctr Ctr	0.00
JJ	MT20	2.0x 4.0	Ctr Ctr	0.00
LL	MT20	2.0x 4.0	Ctr Ctr	0.00
NN	MT20	2.0x 4.0	Ctr Ctr	0.00

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parka East Blvd.  
Tampa, FL 33610

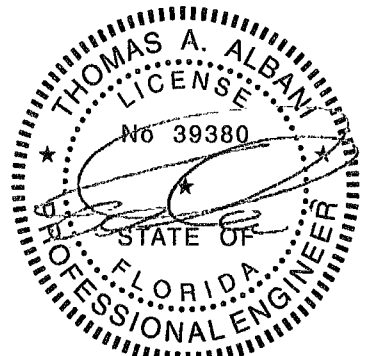
REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc  
Analysis Conforms To  
FRC2010  
TPI 2007

OH Loading  
Softfit psf 2.0  
Design checked for 10 psf non-concurrent LL on BC.

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.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : Ix  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type\* Enclosed  
TC Dead Load 6 0 psf  
BC Dead Load 6 0 psf  
Max comp force 211 Lbs  
Max tens force 172 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection



FL Cert. 6634

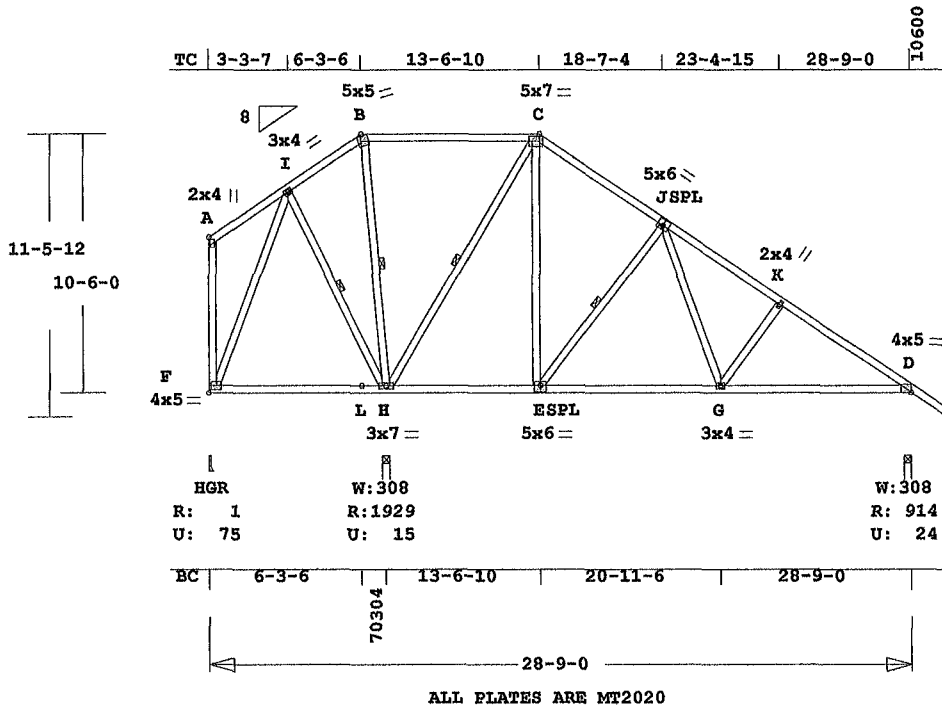
April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A5</b>	Quan <b>4</b>	Type <b>HIPP</b>	Span <b>280900</b>	P1-H1 <b>8</b>	Left OH <b>0</b>	Right OH <b>1- 6- 0</b>	Engineering <b>T6282265</b>
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COTTAGE GROVE MODEL 1403

HO 6-3-12

HO 4-7



ALL PLATES ARE MT2020

Scale: 0.132" = 1'

Online Plus -- Version 30 0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---  
TC 0.69 2x 4 SP-#2  
BC 0.55 2x 4 SP-#2  
WB 0.66 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 6- 3- 6  
or 48.0" 0- 0- 0 6- 3- 6  
TC 48.0" 6- 3- 6 13- 6-10  
TC Cont. 13- 6-10 28- 9- 0  
or 48.0" 13- 6-10 28- 9- 0  
BC Cont. 0- 0- 0 28- 9- 0  
or 72.0" 0- 0- 0 28- 9- 0

Continuous Lateral Restraint req'd at mid-point of webs:  
I -H B -H H -C E -J  
Attach CLR with (2)-10d nails at each web  
Refer to BCSI for diagonal restraint requirements.

psf-I'd	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration	Factor 1.25
Plate	Duration	Factor 1.25
	Fb	Fc Ft Emin
TC	1.10	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
F 2 76 U 256 R  
H 1930 15 U  
D 914 24 U 172 R

Jt	Brg Size	Required
F	3.5"	1.5"
H	3.5"	2.1"
D	3.5"	1.5"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 BC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd  
-----Top Chords-----  
A -I 0.12 160 T 0.00 0.12

MiTek® Online Plus™ APPROX TRUSS WEIGHT 260 1 LBS

I -B	0.24	282 T	0.06	0.18
B -C	0.69	267 T	0.05	0.64
C -J	0.30	321 C	0.00	0.30
J -K	0.24	898 C	0.00	0.24
K -D	0.24	1071 C	0.00	0.24
-----Bottom Chords-----				
F -H	0.55	285 C	0.00	0.55
H -E	0.50	286 T	0.05	0.45
E -G	0.52	613 T	0.12	0.40
G -D	0.51	920 T	0.18	0.33
-----Webs-----				
F -A	0.22	123 T	WindLd	
F -I	0.10	287 T		
I -H	0.12	326 C		1 Br
B -H	0.23	485 C		1 Br
H -C	0.66	1033 C		1 Br
E -C	0.15	687 T		
E -J	0.17	528 C		1 Br
J -G	0.10	478 T		
G -K	0.09	281 C		

TL Defl -0.17" in F -H L/491  
LL Defl -0.08" in F -H L/973  
Shear // Grain in B -C 0.26

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 2.0x 4.0 Ctr Ctr 0.31  
I MT20 3.0x 4.0 Ctr Ctr 0.47  
B MT20 5.0x 5.0 0.9-3.1 0.61  
C MT20 5.0x 7.0 Ctr-0.2 0.85  
J MT20 5.0x 6.0 0.3 0.5 0.46  
K MT20 2.0x 4.0 Ctr Ctr 0.31  
D MT20 4.0x 5.0 Ctr 0.1 0.37  
F MT20 4.0x 5.0 Ctr Ctr 0.26  
H MT20 3.0x 7.0 Ctr Ctr 0.61  
E MT20 5.0x 6.0 Ctr-0.5 0.57  
G MT20 3.0x 4.0 Ctr Ctr 0.39

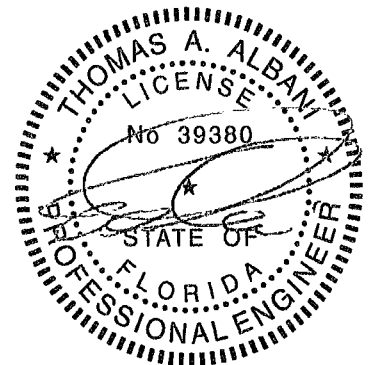
REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FBC2010  
TPI 2007  
OH Loading  
Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member  
Design checked for 10 psf non-concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10

Truss is designed as Components and Claddings\* for Exterior zone location  
Wind Speed 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 1071 Lbs  
Max tens. force 920 Lbs  
Connector Plate Fabrication  
Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

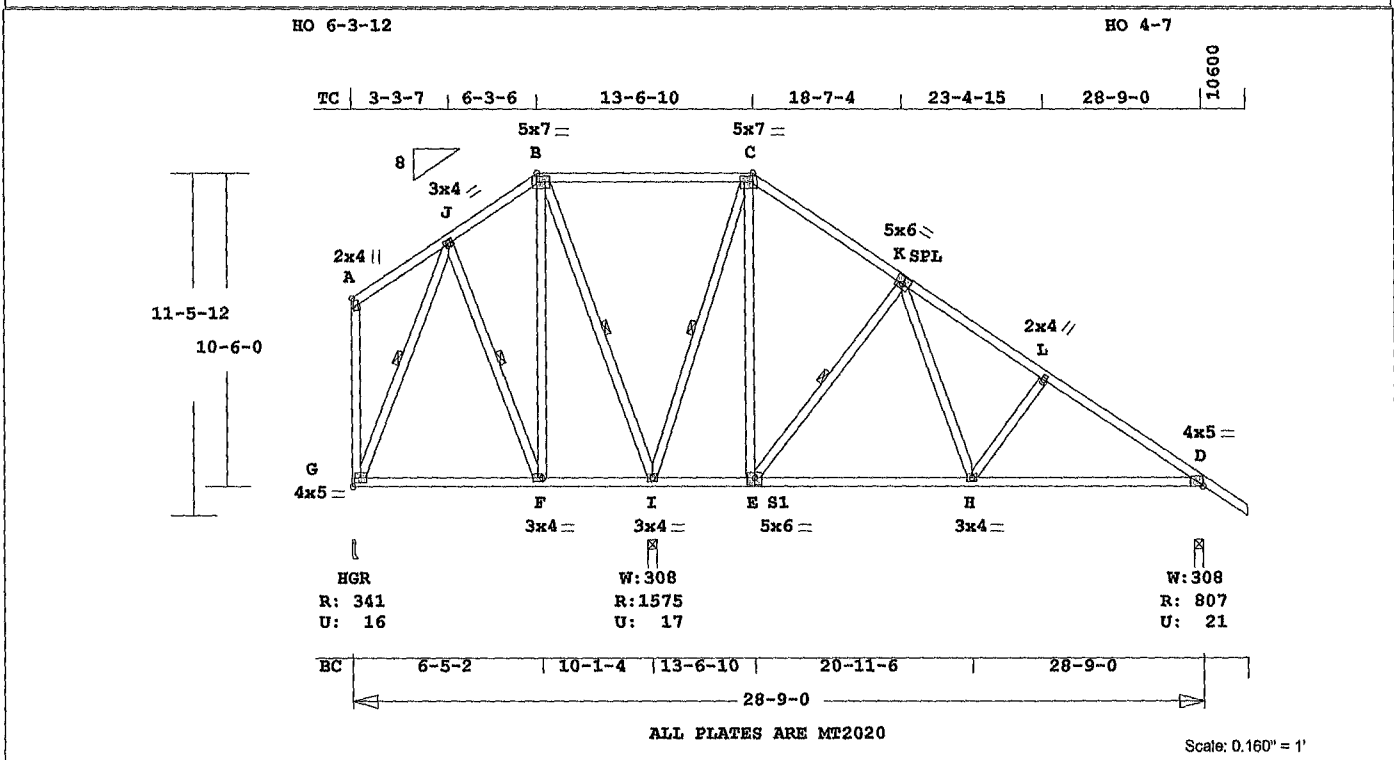


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A6</b>	Quan <b>3</b>	Type <b>HIPP</b>	Span <b>280900</b>	P1-H1 <b>8</b>	Left OH <b>0</b>	Right OH <b>1- 6- 0</b>	Engineering <b>T6282266</b>
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COTTAGE GROVE MODEL 1403



MiTek Online Plus™ APPROX TRUSS WEIGHT: 277 2 LBS

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---  
TC 0 64 2x 4 SP-#2  
BC 0 50 2x 4 SP-#2  
WB 0 50 2x 4 SP-#2

Brace truss as follows:  
O.C From To  
TC Cont 0- 0- 0 6- 3- 6  
or 48.0" 0- 0- 0 6- 3- 6  
TC 48.0" 6- 3- 6 13- 6- 10  
TC Cont 13- 6- 10 28- 9- 0  
or 48 0" 13- 6- 10 28- 9- 0  
BC Cont. 0- 0- 0 28- 9- 0  
or 120 0" 0- 0- 0 28- 9- 0

Continuous Lateral Restraint req'd at mid-point of webs  
G -J J -F B -I I -C  
S1-K  
Attach CLR with (2)-10d nails at each web  
Refer to BCSI for diagonal restraint requirements.

psf-Ld	Dead	Live
TC	10 0	20 0
BC	10 0	0 0
TC+BC	20.0	20.0
Total 40 0	Spacing	24.0"
Lumber	Duration Factor	1 25
Plate	Duration Factor	1 25
	Fb	Fo Ft Emin
TC	1 10	1 10 1.10 1.10
BC	1 10	1 10 1 10 1 10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
G 341 17 U 256 R  
I 1575 18 U  
D 808 22 U 172 R

Jt	Brg Size	Required
G	3 5"	1.5"
I	3.5"	1.7"
D	3.5"	1.5"

Plus 21 Wind Load Case(s)  
Plus 1 UEC LL Load Case(s)  
Plus 1 BC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI P	Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -J	0 14	160 T	0 00 0.14
J -B	0 22	171 T	0 00 0.22

B -C	0 64	195 T	0 03 0 61
C -K	0 25	168 T	0 00 0 25
K -L	0 25	714 C	0 00 0 25
L -D	0 25	887 C	0 00 0 25

-----Bottom Chords-----  
G -F 0 44 184 T 0 01 0 43  
F -I 0 31 169 T 0 00 0 31  
I -S1 0 27 180 T 0 02 0 25  
S1-H 0 50 504 T 0 08 0 42  
H -D 0 50 807 T 0 15 0 35

-----Webs-----  
G -A 0 22 127 C WindLld  
G -J 0 05 155 C 1 Br  
J -F 0 03 130 T 1 Br  
F -B 0 07 334 T  
B -I 0 36 675 C 1 Br  
I -C 0 50 963 C 1 Br  
S1-C 0 14 611 T  
S1-K 0 18 539 C 1 Br  
K -H 0 11 488 T  
H -L 0 09 283 C

TL Defl -0.12" in G -F L/999  
LL Defl -0.06" in G -F L/999  
Shear // Grain in B -C 0.25

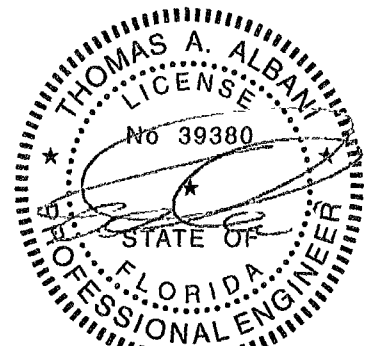
Plates for each ply each face  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 2 0x 4.0 Ctr Ctr 0 32  
J MT20 3.0x 4.0 Ctr Ctr 0.47  
B MT20 5.0x 7.0 Ctr-0.2 0.61  
C MT20 5.0x 7.0 Ctr-0.2 0 71  
K MT20 5 0x 6.0 0.3 0.5 0 46  
L MT20 2.0x 4.0 Ctr Ctr 0 32  
D MT20 4.0x 5.0 Ctr 0 1 0 37  
G MT20 4.0x 5.0 Ctr Ctr 0 21  
F MT20 3 0x 4.0 Ctr Ctr 0 41  
I MT20 3 0x 4 0 Ctr Ctr 0 46  
S1 MT20 5.0x 6.0 Ctr-0.5 0 48  
H MT20 3.0x 4.0 Ctr Ctr 0 39

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FBC2010  
TPI 2007  
OH Loading  
Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B C in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C and any other member  
Design checked for 10 psf non-concurrent LL on BC  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location  
Wind Speed: 130 mph  
Risk Category: II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type Enclosed  
TC Dead Load: 6 0 psf  
BC Dead Load: 6 0 psf  
Max comp force 963 Lbs  
Max tens. force 807 Lbs  
Connector Plate Fabrication  
Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection

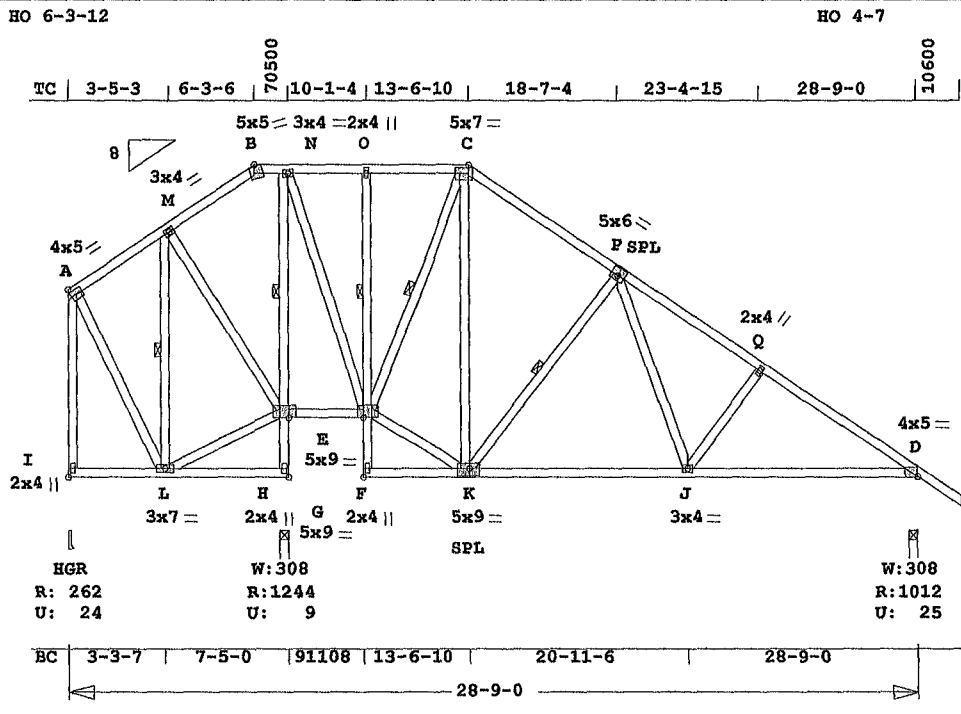


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>A7</b>	Quan <b>3</b>	Type <b>SP</b>	Span <b>280900</b>	P1-H1 <b>8</b>	Left OH <b>0</b>	Right OH <b>1- 6- 0</b>	Engineering <b>T6282267</b>
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COTTAGE GROVE MODEL 1403



HGR R: 262 U: 24 W: 308 R: 1244 U: 9 SPL W: 308 R: 1012 U: 25

ALL PLATES ARE MT2020

Scale: 0.159" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---  
TC 0 26 2x 4 SP-#2  
BC 0 56 2x 4 SP-#2  
CW 0 15 2x 4 SP-#2  
WB 0 32 2x 4 SP-#2

Brace truss as follows:  
O C. From To  
TC Cont. 0-0-0 6-3-6  
or 48 0" 0-0-0 6-3-6  
TC 48 0" 6-3-6 13-6-10  
TC Cont. 13-6-10 28-9-0  
or 48 0" 13-6-10 28-9-0  
BC Cont. 0-0-0 28-9-0  
or 72 0" 0-0-0 28-9-0

Continuous Lateral Restraint req'd at mid-point of webs:  
L -M E -C K -P G -N E -O  
Attach CLR with (2)-10d nails at each web.  
Refer to ECSI for diagonal restraint requirements

psf-Ld Dead Live  
TC 10.0 20.0  
BC 10.0 0.0  
TC+BC 20.0 20.0  
Total 40.0 Spacing 24 0"  
Lumber Duration Factor 1.25  
Plate Duration Factor 1.25  
Fb Fc Ft Emin  
TC 1 10 1.10 1 10 1.10  
BC 1 10 1.10 1 10 1.10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz  
I 263 25 U 257 R  
H 1244 9 U  
D 1012 26 U 172 R  
Jt Brg Size Required  
I 3 5" 1 5"  
H 3 5" 1 5"  
D 3 5" 1 5"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 BC LL Load Case(s)  
Plus 1 DL Load Case(s)

MiTek® Online Plus™ APPROX

Membr	CSI	P	Libs	Ax1-CSI	End
-----Top Chords-----					
A -M	0.16	135	T	0.00	0.16
M -B	0.16	128	T	0.00	0.16
B -N	0.16	143	T	0.00	0.16
N -O	0.16	260	C	0.00	0.16
O -C	0.11	261	C	0.01	0.10
C -P	0.26	495	C	0.00	0.26
P -Q	0.26	1066	C	0.00	0.26
Q -D	0.23	1240	C	0.01	0.22
-----Bottom Chords-----					
I -L	0.10	275	C	0.00	0.10
L -H	0.10	19	C	0.00	0.10
H -E	0.09	262	T	0.00	0.09
E -F	0.28	7	T	0.00	0.28
F -K	0.56	751	T	0.15	0.41
K -J	0.54	1049	T	0.21	0.33
-----Chord-Webs-----					
H -G	0.12	1211	C	0.12	0.00
G -N	0.15	999	C	0.12	0.03
F -E	0.04	25	T	0.00	0.04
E -O	0.02	163	C	0.00	0.02
-----Webs-----					
I -A	0.26	319	C	WindLd	
A -L	0.08	250	T		
L -M	0.02	72	C		1 Br
L -G	0.06	259	T		
M -G	0.15	169	C		
N -E	0.19	814	T		
E -C	0.15	428	C		1 Br
E -K	0.10	478	T		
K -C	0.32	469	T		
K -P	0.18	548	C		1 Br
P -J	0.10	470	T		
J -Q	0.09	274	C		

TL Defl -0.17" in K -J L/999  
LL Defl -0.08" in K -J L/999  
Shear // Grain in K -J 0.20

Plates for each ply each face  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JBI  
A MT20 4.0x 5.0 Ctr Ctr 0.51  
M MT20 3.0x 4.0 Ctr Ctr 0.50  
B MT20 5.0x 5.0 9-3.1 0.33  
N MT20 3.0x 4.0 Ctr Ctr 0.88  
O MT20 2.0x 4.0 Ctr Ctr 0.34  
C MT20 5.0x 7.0 Ctr-0.2 0.49  
P MT20 5.0x 6.0 0.3 0.5 0.49  
Q MT20 2.0x 4.0 Ctr Ctr 0.32  
D MT20 4.0x 5.0 Ctr 0.1 0.41  
I MT20 2.0x 4.0 Ctr Ctr 0.30  
L MT20 3.0x 7.0 Ctr Ctr 0.43  
H MT20 2.0x 4.0 Ctr Ctr 0.62  
G MT20 5.0x 9.0 Ctr 0.8 0.82

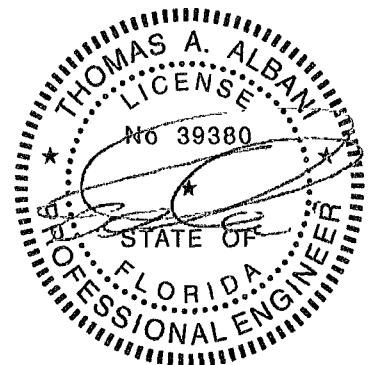
TRUSS WEIGHT: 311.7 LBS  
E MT20 5.0x 9.0 Ctr 0.8 0.65  
F MT20 2.0x 4.0 Ctr Ctr 0.58  
K MT20 5.0x 9.0-0 5-0 5 0.46  
J MT20 3.0x 4.0 Ctr Ctr 0.39

REVIEWED BY:  
MiTek Industries, Inc  
6904 Parke East Blvd  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co Inc.  
Analysis Conforms To:  
EBC2010  
TBI 2007  
OH Loading  
Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B.C in areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the B.C and any other member.  
Design checked for 10 psf non-concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 1240 Lbs  
Max tens. force 1049 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection

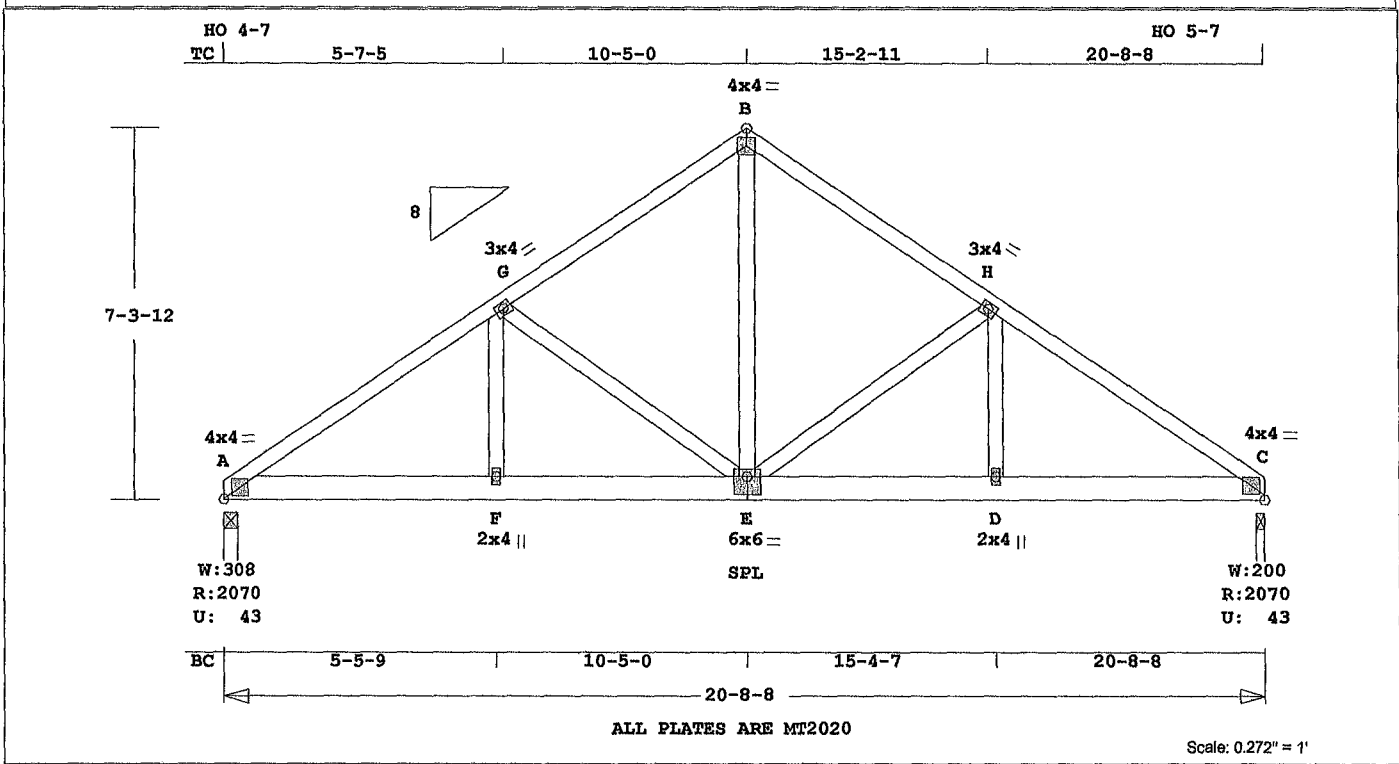


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>B1GIR</b>	Quan 1*2P	Type TR	Span 200808	P1-H1 8	Left OH 0	Right OH 0	Engineering T6282268
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COTTAGE GROVE MODEL 1403



MiTek® Online Plus™ APPROX. TRUSS WEIGHT, 152.8 LBS

Online Plus -- Version 30.0.023  
 RUN DATE: 29-APR-14  
 \*\*\*\*\*  
 \* 2-Ply Truss \*  
 \*\*\*\*\*

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
 CSI -Size- ---Lumber---  
 TC 0.17 2x 4 SP-#2  
 BC 0.36 2x 6 SP-#2  
 WB 0.20 2x 4 SP-#2

Brace truss as follows:  
 O.C From To  
 TC Cont. 0-0-0 20-8-8  
 or 48.0" 0-0-0 20-8-8  
 BC Cont. 0-0-0 20-8-8  
 or 120.0" 0-0-0 20-8-8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
	Fb	Fc Ft Emin
TC	1.00	1.00 1.00 1.00
BC	1.00	1.00 1.00 1.00

Total Load Reactions (Lbs)  
 Jt Down Uplift Horiz-  
 A 2071 44 U 123 R  
 C 2071 44 U 122 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	2.0"	1.5"

LC# 1 Girder Loading  
 Dur Fctrs - Lbr 1.25 Plt 1.25  
 plf - Dead Live\* From To  
 TC V 20 40 0.0' 20.7'  
 BC V 80 60 0.0' 20.7'

Plus 21 Wind Load Case(s)  
 Plus 1 UEC LL Load Case(s)  
 Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	AxL	CSI-Bnd
-----Top Chords-----					
A-G	0.17	2796	C	0.03	0.14
G-B	0.14	1882	C	0.01	0.13
B-H	0.13	1881	C	0.01	0.12
H-C	0.13	2742	C	0.03	0.10
-----Bottom Chords-----					

A-F	0.36	2336	T	0.18	0.18
F-E	0.31	2336	T	0.18	0.13
E-D	0.31	2285	T	0.18	0.13
D-C	0.32	2285	T	0.18	0.14
-----Webs-----					
F-G	0.08	759	T		
G-E	0.13	956	C		
E-B	0.20	1792	T		
E-H	0.12	894	C		
D-H	0.07	703	T		
TL Defl	-0.09"	in E-D	L/999		
LL Defl	-0.04"	in E-D	L/999		
Shear // Grain	in A-F	0.17			

Plates for each ply each face.  
 Plate - MT20 20 Ga, Gross Area  
 Plate - MT2H 20 Ga, Gross Area  
 Jt Type Plt Size X Y JSI  
 A MT20 4.0x 4.0 Ctr Ctr 0.60  
 B MT20 3.0x 4.0 Ctr Ctr 0.40  
 G MT20 4.0x 4.0 Ctr Ctr 0.48  
 H MT20 3.0x 4.0 Ctr Ctr 0.37  
 C MT20 4.0x 4.0 Ctr Ctr 0.59  
 F MT20 2.0x 4.0 Ctr Ctr 0.35  
 E MT20 6.0x 6.0 Ctr-1.2 0.54  
 D MT20 2.0x 4.0 Ctr Ctr 0.32

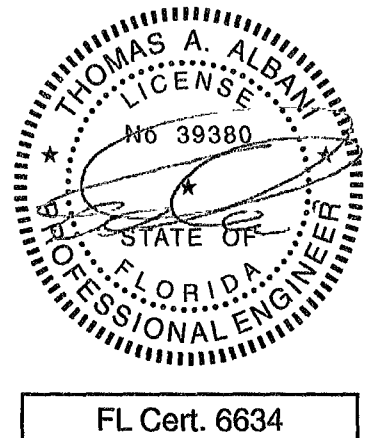
REVIEWED BY:  
 MiTek Industries, Inc.  
 6904 Parke East Blvd.  
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
 Trusses Manufactured by: Mayo Truss Co. Inc.  
 Analysis Conforms To: FEC2010 TPI 2007  
 Girder Common Loading BC Span 8-0-0  
 2 COMPLETE TRUSSES REQUIRED.  
 Fasten plies together in staggered pattern.  
 Connector Rows Spacing  
 TC 10d Gun Nails 1 12.0 in  
 BC 10d Gun Nails 2 12.0 in  
 WB 10d Gun Nails 1 8.0 in  
 10d gun nails (0.131"x3") must be installed as noted above, as each layer is applied.  
 Design checked for 10 psf non-

concurrent LL on BC.  
 Use properly rated hangers for loads framing into girder truss.

Wind Loads - ANSI / ASCE 7-10  
 Truss is designed as Components and Claddings\* for Exterior zone location  
 Wind Speed: 130 mph  
 Risk Category : II  
 Mean Roof Height: 15-0  
 Exposure Category: B  
 Building Type: Enclosed  
 TC Dead Load: 6.0 psf  
 BC Dead Load: 6.0 psf  
 Max comp. force 2796 Lbs  
 Max tens. force 2336 Lbs  
 Connector Plate Fabrication Tolerance = 20%  
 This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

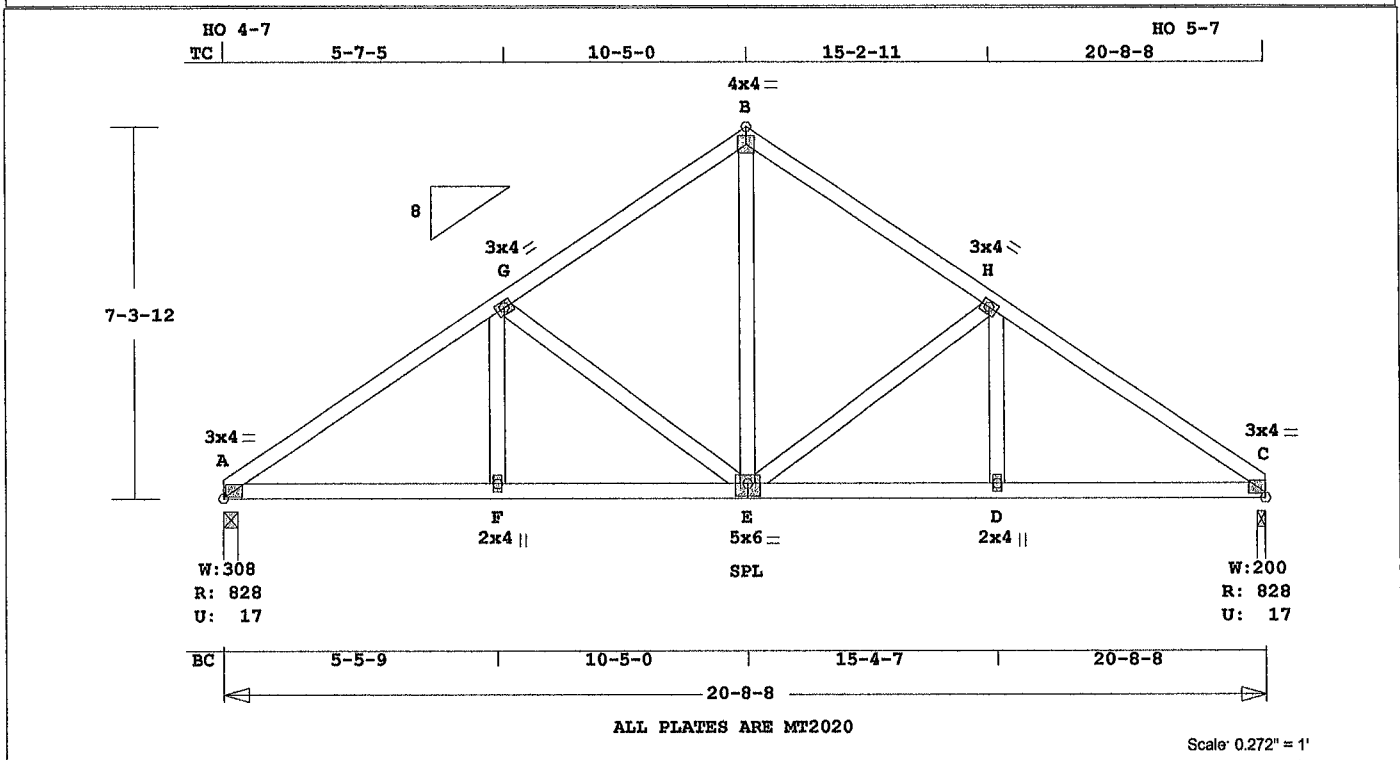


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>B2</b>	Quan 4	Type TR	Span 200808	P1-H1 8	Left OH 0	Right OH 0	Engineering T6282269
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COTTAGE GROVE MODEL 1403



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 134.5 LBS

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SP1B//ALSC UON  
CSI -Size- ---Lumber-----  
TC 0.26 2x 4 SP-#2  
BC 0.29 2x 4 SP-#2  
WB 0.26 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	20- 8- 8
or 48.0"	0- 0- 0	20- 8- 8
BC Cont.	0- 0- 0	20- 8- 8
or 120.0"	0- 0- 0	20- 8- 8

psf-lb	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"
Lumber	Duration Factor		1.25
Plate	Duration Factor		1.25
	Fb	Fc	Ft
TC	1.15	1.10	1.10
BC	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	828	18 U	123 R
C	828	18 U	123 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	2.0"	1.5"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A-G	0.25	1097 C	0.00	0.25
G-B	0.25	745 C	0.00	0.25
B-H	0.23	744 C	0.00	0.23
H-C	0.26	1079 C	0.01	0.25
-----Bottom Chords-----				
A-F	0.28	917 T	0.18	0.10

F-E	0.26	917 T	0.18	0.08	
E-D	0.26	897 T	0.18	0.08	
D-C	0.29	897 T	0.18	0.11	
-----Webs-----					
F-G	0.03	207 T			
G-E	0.26	405 C			
E-B	0.12	568 T			
E-H	0.24	382 C			
D-H	0.03	195 T			

TL Defl -0.08" in E-D L/999  
LL Defl -0.03" in E-D L/999  
Shear // Grain in A-G 0.17

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 3.0x 4.0 Ctr Ctr 0.64  
G MT20 3.0x 4.0 Ctr Ctr 0.50  
B MT20 4.0x 4.0 Ctr Ctr 0.61  
H MT20 3.0x 4.0 Ctr Ctr 0.50  
C MT20 3.0x 4.0-0.3 0.2 0.65  
F MT20 2.0x 4.0 Ctr Ctr 0.34  
E MT20 5.0x 6.0 Ctr-0.5 0.49  
D MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:

MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

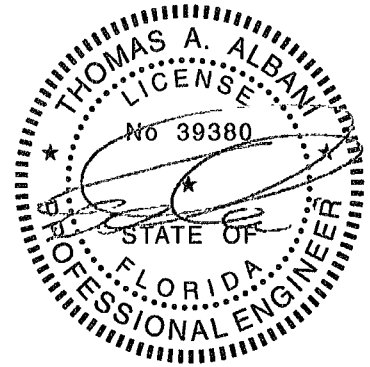
NOTES:

Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FBC2010  
TPI 2007

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.

Design checked for 10 psf non-

concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as  
Components and Claddings\*  
for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 1097 Lbs  
Max tens. force 917 Lbs  
Connector Plate Fabrication  
Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

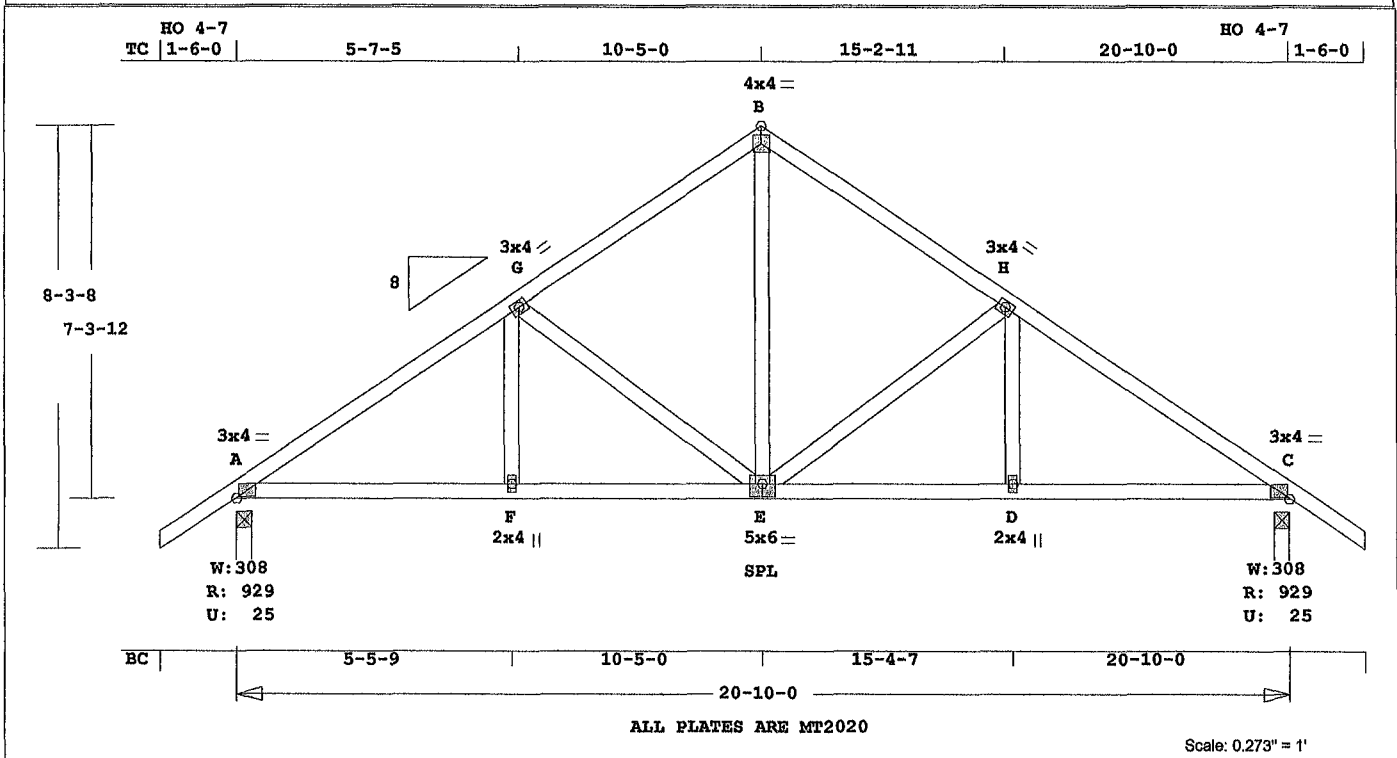


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>B3</b>	Quan 2	Type TR	Span 201000	P1-H1 8	Left OH 1- 6- 0	Right OH 1- 6- 0	Engineering <b>T6282270</b>
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COTTAGE GROVE MODEL 1403



ALL PLATES ARE MT2020

Scale: 0.273" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB/ALSC UON  
CSI -Size- ---Lumber-----  
TC 0.25 2x 4 SP-#2  
BC 0.27 2x 4 SP-#2  
WB 0.26 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	20-10- 0
or 48.0"	0- 0- 0	20-10- 0
BC Cont.	0- 0- 0	20-10- 0
or 120.0"	0- 0- 0	20-10- 0

psf-ld	Dead	Live		
TC	10.0	20.0		
BC	10.0	0.0		
TC+BC	20.0	20.0		
Total	40.0	Spacing 24.0"		
Lumber	Duration Factor	1.25		
Plate	Duration Factor	1.25		
	Fb	Fc	Ft	Emin
TC	1.15	1.10	1.10	1.10
BC	1.10	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	929	25 U	124 R
C	929	25 U	124 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
---Top Chords---			
A -G	0.25	1101 C	0.00 0.25
G -B	0.25	751 C	0.00 0.25
B -H	0.25	751 C	0.00 0.25
H -C	0.25	1101 C	0.00 0.25
---Bottom Chords---			
A -F	0.27	920 T	0.18 0.09

MiTek® Online Plus™ APPROX TRUSS WEIGHT 141 8 LBS

F -E	0.25	920 T	0.18	0.07
E -D	0.25	920 T	0.18	0.07
D -C	0.27	920 T	0.18	0.09

-----Webs-----				
F -G	0.03	207 T		
G -E	0.26	402 C		
E -B	0.12	576 T		
E -H	0.26	402 C		
D -H	0.03	207 T		

TL Defl	-0.08"	in E -D	L/999
LL Defl	-0.03"	in F -E	L/999
Shear // Grain		in A -G	0.17

Plates for each ply each face.

Plate	Type	Plt Size	X	Y	JSI
Plate - MT20	20 Ga,				
Plate - MT2H	20 Ga,				
Jt Type	Plt Size	X	Y	JSI	
A	MT20	3.0x 4.0	Ctr	Ctr	0.64
G	MT20	3.0x 4.0	Ctr	Ctr	0.50
B	MT20	4.0x 4.0	Ctr	Ctr	0.60
H	MT20	3.0x 4.0	Ctr	Ctr	0.50
C	MT20	3.0x 4.0	Ctr	Ctr	0.64
F	MT20	2.0x 4.0	Ctr	Ctr	0.34
E	MT20	5.0x 6.0	Ctr	0.5	0.49
D	MT20	2.0x 4.0	Ctr	Ctr	0.34

REVIEWED BY:

MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:  
Mayo Truss Co. Inc.

Analysis Conforms To:

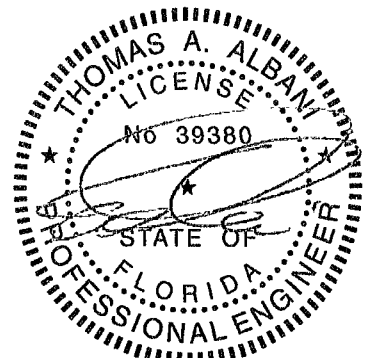
FBC2010  
TPI 2007

OH Loading

Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C.

and any other member.  
Design checked for 10 psf non-concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as  
Components and Claddings\*  
for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 1101 Lbs  
Max tens. force 920 Lbs  
Connector Plate Fabrication  
Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

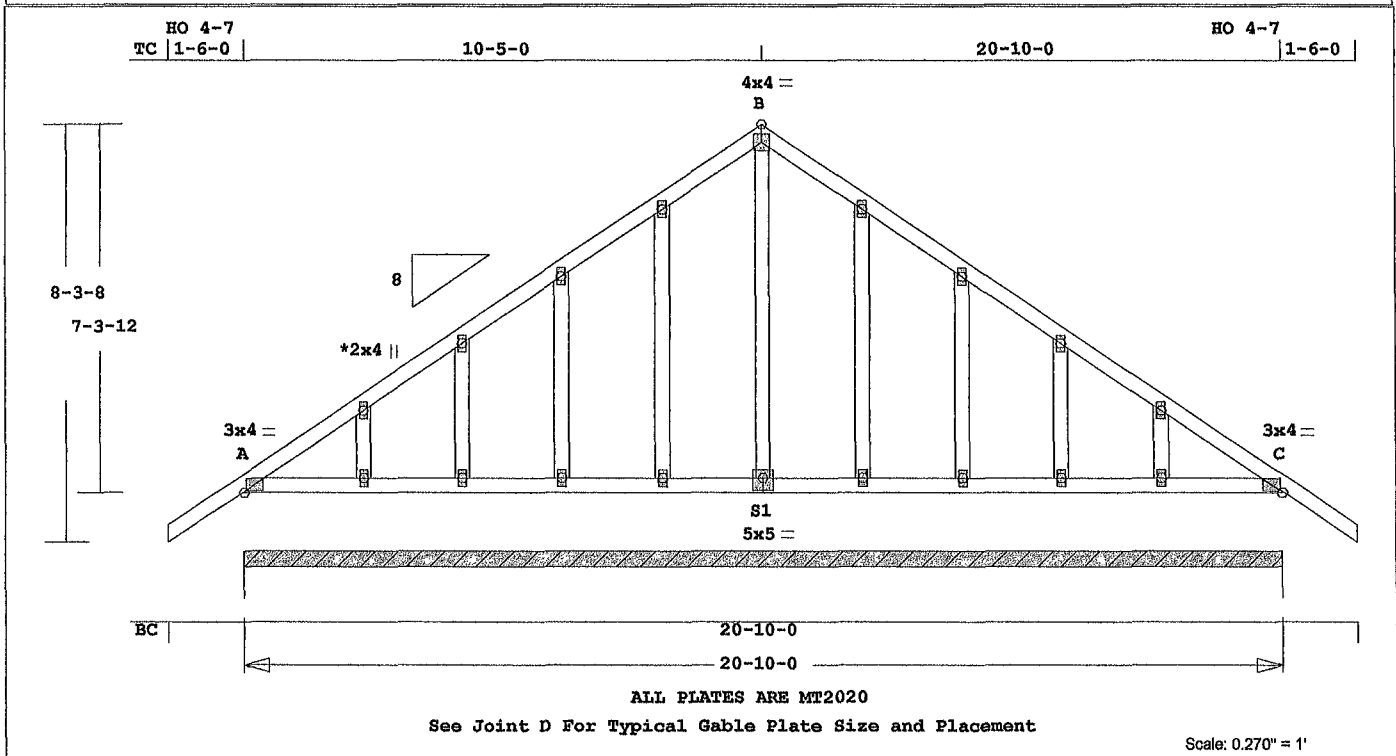


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>B4GE</b>	Quan 1	Type TR	Span 201000	P1-H1 8	Left OH 1- 6- 0	Right OH 1- 6- 0	Engineering <b>T6282271</b>
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COTTAGE GROVE MODEL 1403



MiTek® Online Plus™ APPROX TRUSS WEIGHT. 158.7 LBS

Online Plus -- Version 30 0 023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- Lumber-----  
TC 0 05 2x 4 SP-#2  
BC 0 02 2x 4 SP-#2  
GW 0 09 2x 4 SP-#2

Brace truss as follows:  
O C. From To  
TC Cont. 0- 0- 0 20-10- 0  
or 48 0" 0- 0- 0 20-10- 0  
BC Cont. 0- 0- 0 20-10- 0  
or 120 0" 0- 0- 0 20-10- 0

psf-lb Dead Live  
TC 10 0 20 0  
BC 10 0 0 0  
TC+BC 20 0 20 0  
Total 40.0 Spacing 24.0"  
Lumber Duration Factor 1.25  
Plate Duration Factor 1.25  
Fb Fc Ft Emin  
TC 1.15 1.10 1.10 1.10  
BC 1.10 1.10 1.10 1.10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
A 1859 51 U 124 R

Jt Brg Size Required  
A 250 0" 0"-to- 250"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -D	0.05	133	C	0.01	0.04
D -F	0.04	72	C	0.00	0.04
F -H	0.03	61	C	0.00	0.03
H -J	0.03	67	C	0.00	0.03
J -B	0.03	115	C	0.00	0.03
B -M	0.03	115	C	0.00	0.03
M -O	0.03	67	C	0.00	0.03
O -Q	0.03	61	C	0.00	0.03
Q -S	0.04	72	C	0.00	0.04
S -C	0.05	133	C	0.01	0.04
-----Bottom Chords-----					
A -E	0.02	2	T	0.00	0.02
E -G	0.02	0	T	0.00	0.02
G -I	0.02	0	T	0.00	0.02
I -K	0.02	0	T	0.00	0.02
K -S1	0.02	0	T	0.00	0.02
S1 -N	0.02	0	T	0.00	0.02
N -P	0.02	0	T	0.00	0.02
P -R	0.02	0	T	0.00	0.02

R -T 0 02 0 T 0 00 0.02  
T -C 0.02 2 T 0 00 0.02

-----Gable Webs-----  
E -D 0 01 145 C  
G -F 0 02 122 C  
I -H 0 05 129 C  
K -J 0 09 126 C  
S1 -B 0 08 80 C  
N -M 0 09 126 C  
P -O 0 05 129 C  
R -Q 0 02 122 C  
T -S 0 01 145 C

TL Defl 0.00" in A -E L/999  
LL Defl 0.00" in A -E L/999  
Shear // Grain in A -D 0 07

Plates for each ply each face  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 3 0x 4 0 Ctr Ctr 0.49  
D MT20 2 0x 4 0 Ctr Ctr 0.00  
F MT20 2 0x 4 0 Ctr Ctr 0.00  
H MT20 2 0x 4 0 Ctr Ctr 0.00  
J MT20 2 0x 4 0 Ctr Ctr 0.00  
B MT20 4 0x 4 0 Ctr Ctr 0.42  
M MT20 2 0x 4 0 Ctr Ctr 0.00  
O MT20 2 0x 4 0 Ctr Ctr 0.00  
Q MT20 2 0x 4 0 Ctr Ctr 0.00  
S MT20 2 0x 4 0 Ctr Ctr 0.00  
C MT20 3 0x 4 0 Ctr Ctr 0.49  
E MT20 2 0x 4 0 Ctr Ctr 0.00  
G MT20 2 0x 4 0 Ctr Ctr 0.00  
I MT20 2 0x 4 0 Ctr Ctr 0.00  
K MT20 2 0x 4 0 Ctr Ctr 0.00  
S1 MT20 5 0x 5 0 Ctr-0 5 0.39  
N MT20 2 0x 4 0 Ctr Ctr 0.00  
P MT20 2 0x 4 0 Ctr Ctr 0.00  
R MT20 2 0x 4 0 Ctr Ctr 0.00  
T MT20 2 0x 4 0 Ctr Ctr 0.00

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd  
Tampa, FL 33610

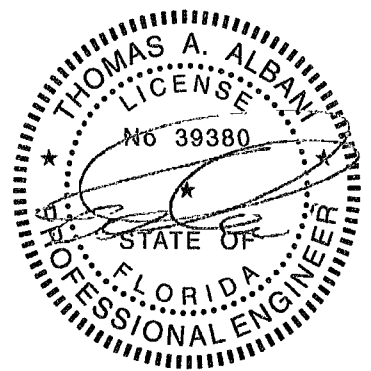
REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FEC2010  
TPI 2007  
OH Loading  
Soffit psf 2.0  
Design checked for 10 psf non-concurrent LL on BC.

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.

Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location  
Wind Speed 130 mph  
Risk Category II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type Enclosed  
TC Dead Load 6.0 psf  
BC Dead Load: 6 0 psf  
Max comp force 145 Lbs  
Max tens force 109 Lbs  
Connector Plate Fabrication Tolerance = 20%

This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

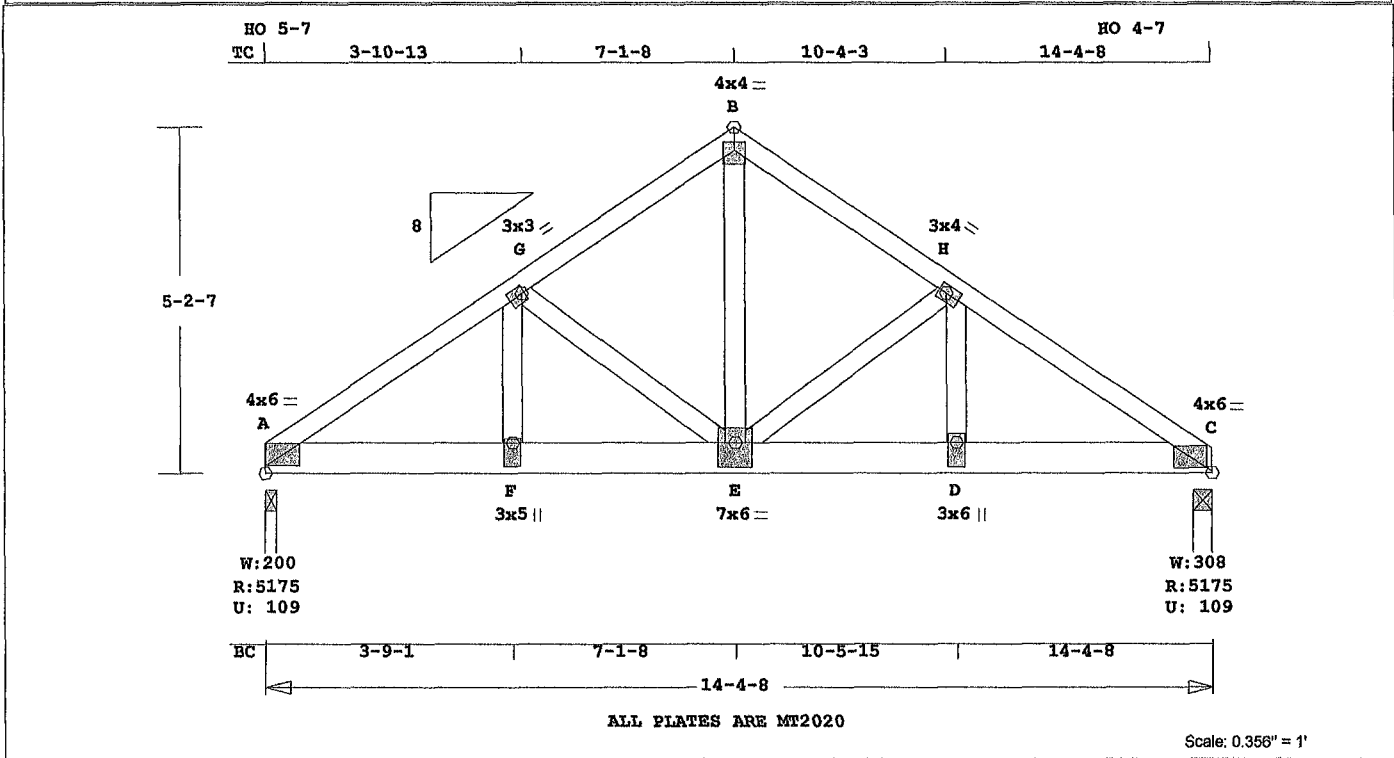


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>CIGIR</b>	Quan 1*2P	Type TR	Span 140408	P1-H1 8	Left OH 0	Right OH 0	Engineering T6282272
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COTTAGE GROVE MODEL 1403



Online Plus -- Version 30.0.023  
 RUN DATE: 29-APR-14  
 \*\*\*\*\*  
 \* 2-Ply Truss \*  
 \*\*\*\*\*

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
 CSI -Size- ---Lumber----  
 TC 0.34 2x 4 SP-#2  
 BC 0.82 2x 6 SP-#2  
 WB 0.55 2x 4 SP-#2

Brace truss as follows:  
 O C. From To  
 TC Cont 0- 0- 0 14- 4- 8  
 or 48.0" 0- 0- 0 14- 4- 8  
 BC Cont. 0- 0- 0 14- 4- 8  
 or 120.0" 0- 0- 0 14- 4- 8

psf-lb Dead Live  
 TC 10.0 20.0  
 BC 10.0 0.0  
 TC+BC 20.0 20.0  
 Total 40.0 Spacing 24.0"  
 Lumber Duration Factor 1.25  
 Plate Duration Factor 1.25  
 TC Fb Fc Ft Emin  
 1.00 1.00 1.00 1.00  
 BC 1.00 1.00 1.00 1.00

Total Load Reactions (lbs)  
 Jt Down Uplift Horiz-  
 A 5175 109 U 80 R  
 C 5175 109 U 80 R

Jt Brg Size Required  
 A 2 0" 3.1" \*\*  
 C 3.5" 3.1"

LC# 1 Girder Loading  
 Dur Fctrs - Lbr 1.25 Pit 1.25  
 plf - Dead Live\* From To  
 TC V 20 40 0.0' 14.4'  
 BC V 340 320 0.0' 14.4'

Plus 21 Wind Load Case(s)  
 Plus 1 UBC LL Load Case(s)  
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSt-Bnd  
 ---Top Chords---  
 A -G 0.26 6558 C 0.13 0.13  
 G -B 0.15 4630 C 0.05 0.10  
 B -H 0.15 4635 C 0.05 0.10  
 H -C 0.34 6736 C 0.14 0.20  
 ---Bottom Chords---

Mitek® Online Plus™ APPROX. TRUSS WEIGHT 105 3 LBS

A -F	0.72	5451	T	0.44	0.28
F -E	0.74	5451	T	0.44	0.30
E -D	0.75	5619	T	0.45	0.30
D -C	0.82	5619	T	0.45	0.37

-----Webs-----

F -G	0.23	2106	T
G -E	0.15	1983	C
E -B	0.55	4884	T
E -H	0.17	2194	C
D -H	0.25	2291	T

TL Defl -0.15" in E -D L/999  
 LL Defl -0.06" in F -E L/999  
 Shear // Grain in D -C 0.51

Plates for each ply each face  
 Plate - MT20 20 Ga, Gross Area  
 Plate - MT2H 20 Ga, Gross Area  
 Jt Type Pit Size X Y JSI  
 A MT20 4.0x 6.0 Ctr Ctr 0.94  
 G MT20 3.0x 3.0-0.8-0.6 0.95  
 B MT20 4.0x 4.0 Ctr-0.5 0.96  
 H MT20 3.0x 4.0 0.4-0.3 0.91  
 C MT20 4.0x 6.0 Ctr Ctr 0.97  
 F MT20 3.0x 5.0 Ctr-1.7 0.95  
 E MT20 7.0x 6.0 Ctr-0.9 0.70  
 D MT20 3.0x 6.0 Ctr-1.3 0.47

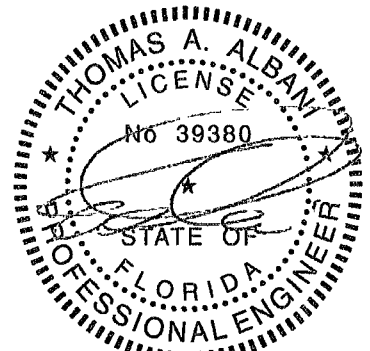
REVIEWED BY:  
 Mitek Industries, Inc.  
 6904 Parke East Blvd.  
 Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
 Trusses Manufactured by:  
 Mayo Truss Co. Inc.  
 Analysis Conforms To:  
 FBC2010  
 TPI 2007  
 Girder Common  
 Loading BC  
 Span 34- 0- 0  
 2 COMPLETE TRUSSES REQUIRED.  
 Fasten plies together in staggered pattern.  
 Connector Rows Spacing  
 TC 10d Gun Nails 1 12.0 in  
 BC 10d Gun Nails 2 9.5 in  
 WB 10d Gun Nails 1 8.0 in  
 10d gun nails (0.131"x3") must be installed as noted above, as each layer is applied.  
 Design checked for 10 psf non-

concurrent LL on BC.  
 Use properly rated hangers for loads framing into girder truss.

Wind Loads - ANSI / ASCE 7-10  
 Truss is designed as Components and Claddings\* for Exterior zone location.  
 Wind Speed: 130 mph  
 Risk Category : II  
 Mean Roof Height: 15-0  
 Exposure Category: B  
 Building Type: Enclosed  
 TC Dead Load: 6.0 psf  
 BC Dead Load: 6.0 psf  
 Max comp. force 6736 Lbs  
 Max tens. force 5619 Lbs  
 Connector Plate Fabrication Tolerance = 20%  
 This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

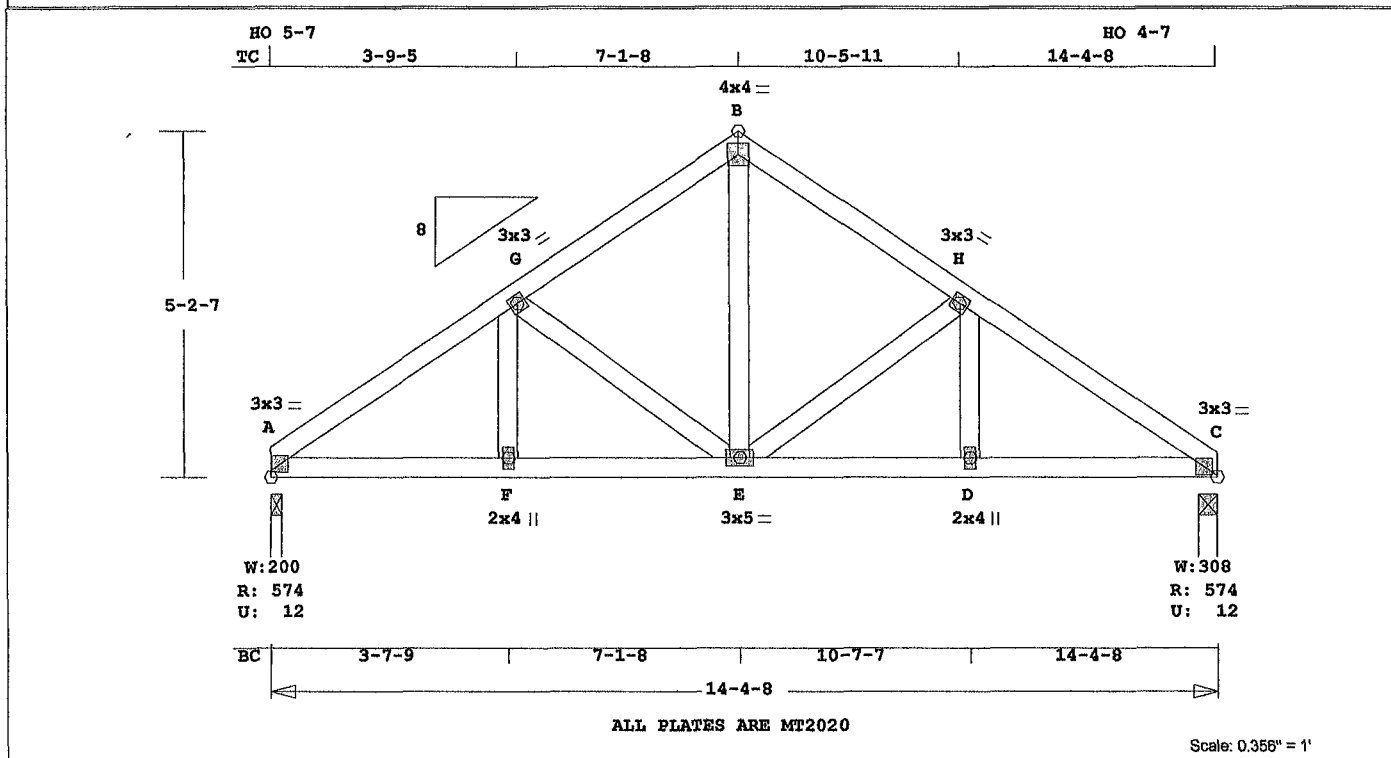


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>C2</b>	Quan 2	Type TR	Span 140408	Pl-H1 8	Left OH 0	Right OH 0	Engineering T6282273
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COTTAGE GROVE MODEL 1403



MiTek® Online Plus™ APPROX TRUSS WEIGHT 92 9 LBS

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON  
CSI -Size- Lumber-----  
TC 0.14 2x 4 SP-#2  
BC 0.21 2x 4 SP-#2  
WB 0.08 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 14- 4- 8  
or 48.0" 0- 0- 0 14- 4- 8  
BC Cont. 0- 0- 0 14- 4- 8  
or 120.0" 0- 0- 0 14- 4- 8

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0		Spacing 24.0"
Lumber	Duration	Factor	1.25
Plate	Duration	Factor	1.25
	Fb	Fc	Ft
TC	1.15	1.10	1.10
BC	1.10	1.10	1.10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
A 575 12 U 81 R  
C 575 12 U 81 R

Jt	Brg Size	Required
A	2.0"	1.5"
C	3.5"	1.5"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A	-G	0.14	722	C	0.00 0.14
G	-B	0.09	507	C	0.00 0.09
B	-H	0.10	509	C	0.00 0.10
H	-C	0.10	740	C	0.00 0.10
-----Bottom Chords-----					
A	-F	0.21	596	T	0.12 0.09

F	-E	0.16	596	T	0.12 0.04
E	-D	0.16	617	T	0.12 0.04
D	-C	0.15	617	T	0.12 0.03
-----Webs-----					
F	-G	0.02	122	T	
G	-E	0.07	244	C	
E	-B	0.07	378	T	
E	-H	0.08	266	C	
D	-H	0.02	134	T	

TL Defl -0.04" in F -E L/999  
LL Defl -0.01" in F -E L/999  
Shear // Grain in A -G 0.12

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 3.0x 3.0 Ctr Ctr 0.56  
G MT20 3.0x 3.0 Ctr Ctr 0.33  
B MT20 4.0x 4.0 Ctr Ctr 0.42  
H MT20 3.0x 3.0 Ctr Ctr 0.33  
C MT20 3.0x 3.0 Ctr Ctr 0.58  
F MT20 2.0x 4.0 Ctr Ctr 0.12  
E MT20 3.0x 5.0 Ctr Ctr 0.44  
D MT20 2.0x 4.0 Ctr Ctr 0.12

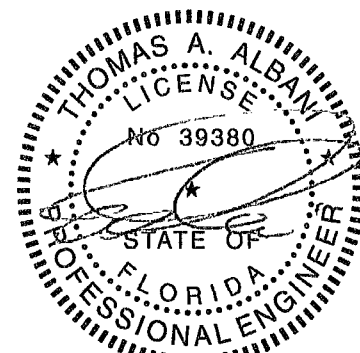
REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FBC2010  
TPI 2007

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.  
Design checked for 10 psf non-

concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 740 Lbs  
Max tens. force 617 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

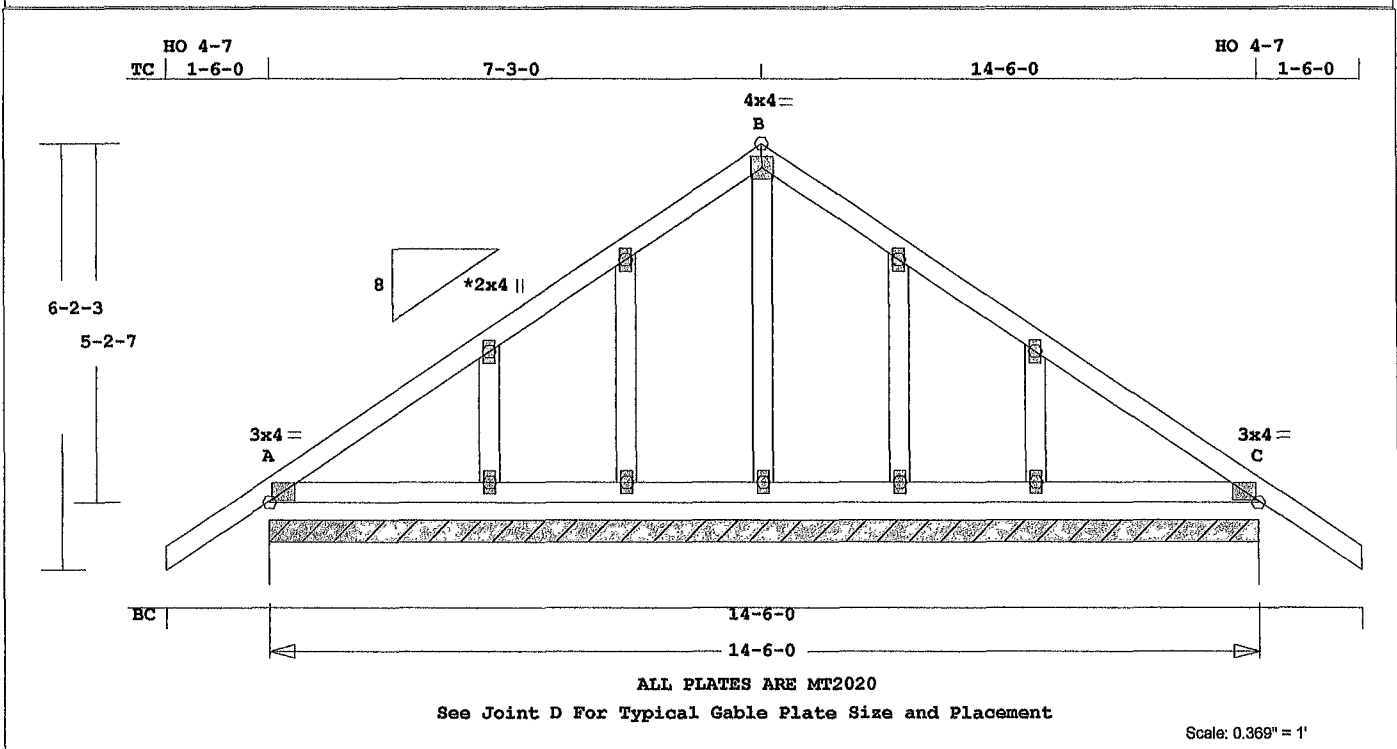


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>C3GE</b>	Quan 1	Type TR	Span 140600	P1-H1 8	Left OH 1- 6- 0	Right OH 1- 6- 0	Engineering T6282274
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COTTAGE GROVE MODEL 1403



Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SP1B//ALSC UON

TC	0.07	2x 4	SP-#2
BC	0.05	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

TC Cont.	0- 0- 0	14- 6- 0
or	48.0"	0- 0- 0 14- 6- 0
BC Cont.	0- 0- 0	14- 6- 0
or	120.0"	0- 0- 0 14- 6- 0

psf-Ld	Dead	Live		
TC	10.0	20.0		
BC	10.0	0.0		
TC+BC	20.0	20.0		
Total	40.0	Spacing 24.0"		
Lumber	Duration Factor	1.25		
Plate	Duration Factor	1.25		
	Fb	Fc	Ft	Emin
TC	1.15	1.10	1.10	1.10
BC	1.10	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt Down	Uplift	Horiz-
A	1352	40 U 81 R

Jt	Brg Size	Required
A	174.0"	0"-to- 174"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A	-D	0.07	90 C	0.00	0.07
D	-F	0.07	87 C	0.00	0.07
F	-B	0.03	123 C	0.00	0.03
B	-I	0.03	123 C	0.00	0.03
I	-K	0.07	87 C	0.00	0.07
K	-C	0.07	90 C	0.00	0.07
-----Bottom Chords-----					
A	-E	0.05	1 T	0.00	0.05
E	-G	0.04	0 T	0.00	0.04
G	-H	0.02	0 T	0.00	0.02
H	-J	0.02	0 T	0.00	0.02

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 96 5 LBS

J	-L	0.04	0 T	0.00	0.04
L	-C	0.05	1 T	0.00	0.05
-----Gable Webs-----					
E	-D	0.02	184 C		
G	-F	0.03	112 C		
H	-B	0.02	50 C		
J	-I	0.03	112 C		
L	-K	0.02	184 C		

TL Defl	0.00"	in L -C	L/999
LL Defl	0.00"	in L -C	L/999
Shear // Grain	in A -D	0.10	

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area

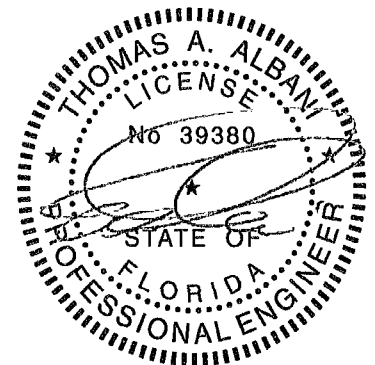
Jt Type	Plt Size	X	Y	JSI
A	MT20	3.0x	4.0	Ctr Ctr 0.49
D	MT20	2.0x	4.0	Ctr Ctr 0.00
F	MT20	2.0x	4.0	Ctr Ctr 0.00
B	MT20	4.0x	4.0	Ctr Ctr 0.42
I	MT20	2.0x	4.0	Ctr Ctr 0.00
K	MT20	2.0x	4.0	Ctr Ctr 0.00
C	MT20	3.0x	4.0	Ctr Ctr 0.49
E	MT20	2.0x	4.0	Ctr Ctr 0.00
G	MT20	2.0x	4.0	Ctr Ctr 0.00
H	MT20	2.0x	4.0	Ctr Ctr 0.00
J	MT20	2.0x	4.0	Ctr Ctr 0.00
L	MT20	2.0x	4.0	Ctr Ctr 0.00

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.  
Analysis Conforms To:  
FBC2010  
TPI 2007  
OH Loading  
Soffit psf 2.0  
Design checked for 10 psf non-concurrent LL on BC.  
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.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category: II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 184 Lbs  
Max tens. force 115 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

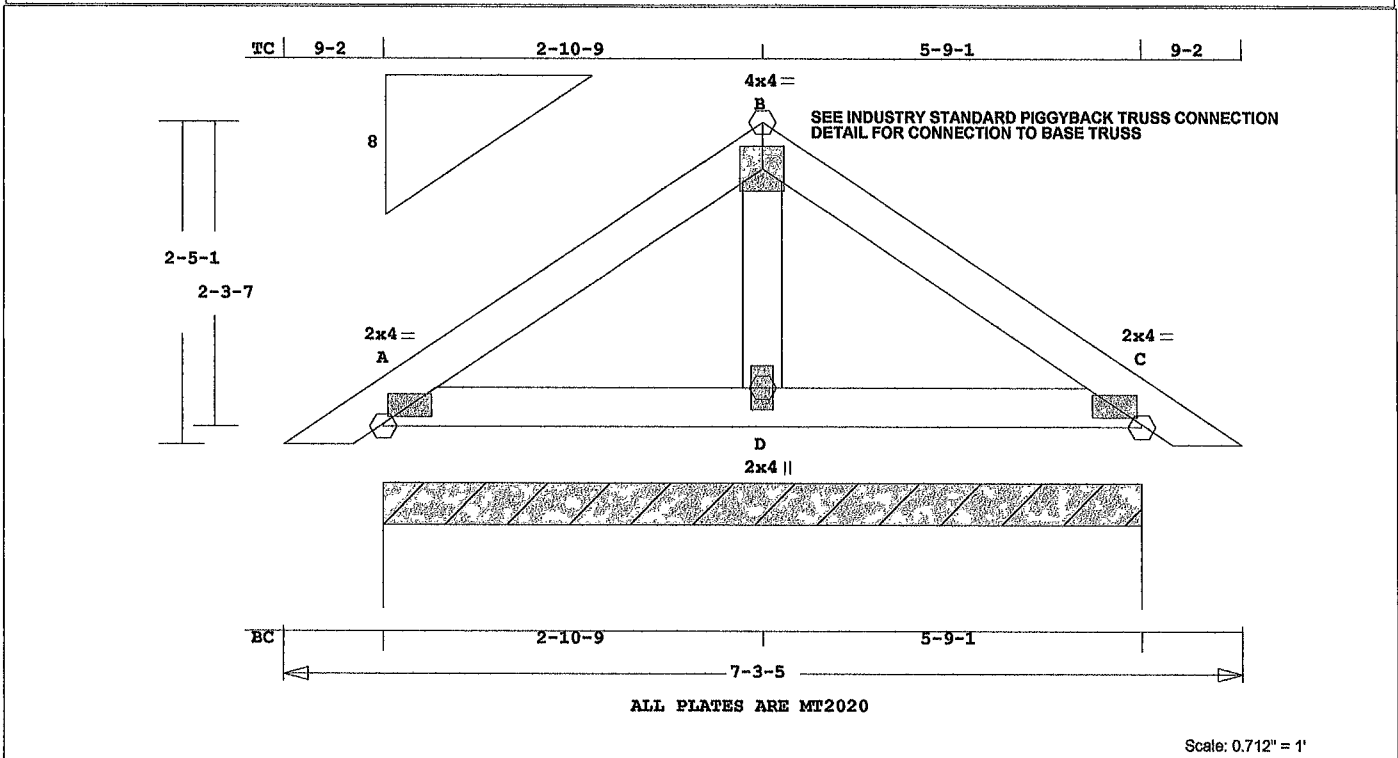


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>P1</b>	Quan 24	Type TR	Span 70305	Pl-H1 8	Left OH 9- 2	Right OH 9- 2	Engineering <b>T6282275</b>
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COTTAGE GROVE MODEL 1403



Mitek® Online Plus™ APPROX. TRUSS WEIGHT: 30 5 LBS

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON

CSI -Size-	Lumber----
TC 0.06	2x 4 SP-#2
BC 0.05	2x 4 SP-#2
WB 0.00	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	7- 3- 5
or	48.0"	0- 0- 0
BC Cont.	0- 0- 0	7- 3- 5
or	69.1"	0- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration	Factor 1.25
Plate	Duration	Factor 1.25
	Fb	Fc Ft Emin
TC	1.15	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	462	12 U	31 R

Jt	Brg Size	Required
A	69.1"	0"-to- 69"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.06		129 C	0.00	0.06
B -C	0.06		129 C	0.00	0.06
-----Bottom Chords-----					
A -D	0.05		1 T	0.00	0.05
D -C	0.05		1 T	0.00	0.05
-----Webs-----					

D -B 0.00 29 C  
TL Defl 0.00" in A -D L/999  
LL Defl 0.00" in A -D L/999  
Shear // Grain in A -B 0.08

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 2.0x 4.0 Ctr Ctr 0.59  
B MT20 4.0x 4.0 Ctr Ctr 0.42  
C MT20 2.0x 4.0 Ctr Ctr 0.59  
D MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2010

TPI 2007

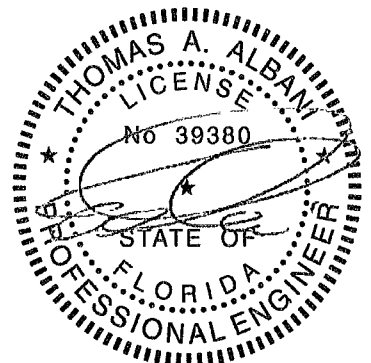
OH Loading

Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.

Design checked for 10 psf non-concurrent LL on BC. 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.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as Components and Claddings\* for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 129 Lbs  
Max tens. force 64 Lbs  
Connector Plate Fabrication Tolerance = 20%  
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

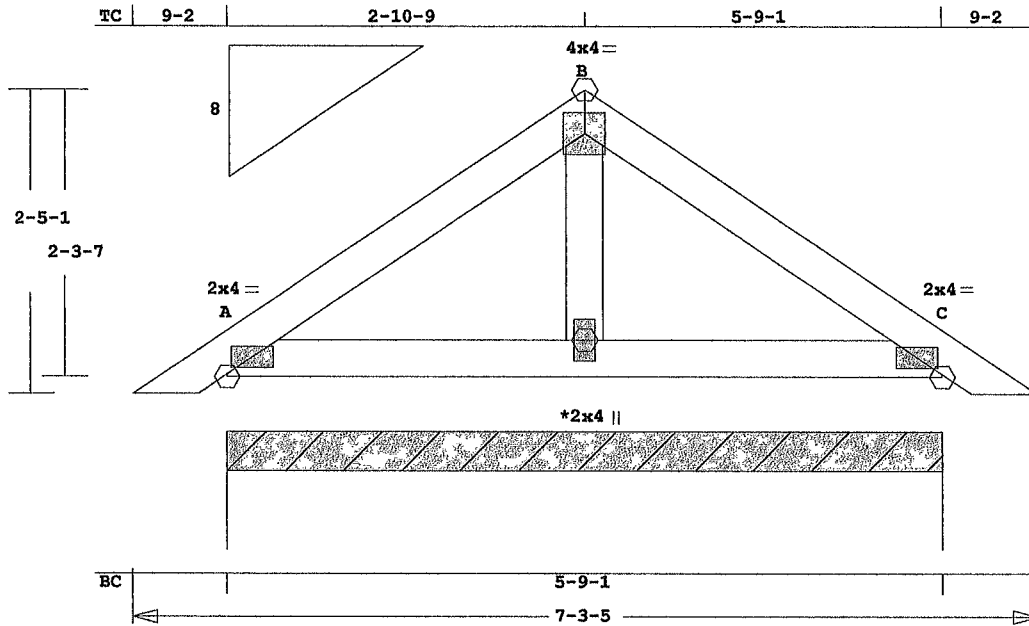


FL Cert. 6634

April 29, 2014

Job <b>INN-CG-1403</b>	Mark <b>P2GE</b>	Quan 2	Type TR	Span 70305	P1-H1 8	Left OH 9- 2	Right OH 9- 2	Engineering T6282276
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COTTAGE GROVE MODEL 1403



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.672" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 29-APR-14

Southern Pine lumber design values are those effective

06-01-13 by SPIB//ALSC UON  
CSI -Size- ----Lumber----

TC	0.06	2x 4	SP-#2
BC	0.05	2x 4	SP-#2
GW	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 3- 5	
or	48.0"	0- 0- 0	7- 3- 5
BC Cont.	0- 0- 0	7- 3- 5	
or	69.1"	0- 0- 0	7- 3- 5

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
	Fb	Fc	Ft Emin
TC	1.15	1.10	1.10 1.10
BC	1.10	1.10	1.10 1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	462	12 U	31 R

Jt	Brg Size	Required
A	69.1"	0"-to- 69"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.06		129 C	0.00	0.06
B -C	0.06		129 C	0.00	0.06
-----Bottom Chords-----					
A -D	0.05		1 T	0.00	0.05
D -C	0.05		1 T	0.00	0.05

MiTek® Online Plus™ APPROX TRUSS WEIGHT. 30.5 LBS

-----Gable Webs-----  
D -B 0.00 29 C

TL Defl 0.00" in D -C L/999  
LL Defl 0.00" in D -C L/999  
Shear // Grain in A -B 0.08

Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 2.0x 4.0 Ctr Ctr 0.59  
B MT20 4.0x 4.0 Ctr Ctr 0.42  
C MT20 2.0x 4.0 Ctr Ctr 0.59  
D MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

NOTES:  
Trusses Manufactured by:  
Mayo Truss Co. Inc.

Analysis Conforms To:  
FBC2010  
TPI 2007

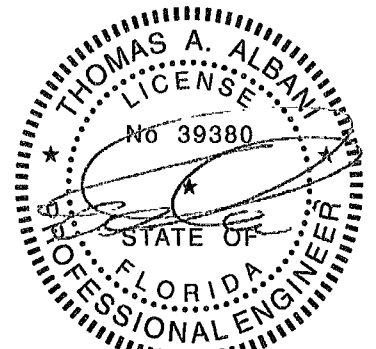
OH Loading  
Soffit psf 2.0  
Design checked for 10 psf non-  
concurrent LL on BC.

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.

Wind Loads - ANSI / ASCE 7-10  
Truss is designed as  
Components and Claddings\*

for Exterior zone location.  
Wind Speed: 130 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 129 Lbs  
Max tens. force 64 Lbs  
Connector Plate Fabrication  
Tolerance = 20%

This truss is designed for a  
creep factor of 1.5 which  
is used to calculate total  
load deflection.



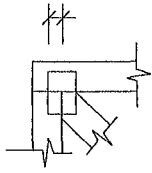
FL Cert. 6634

April 29, 2014

# ONLINE PLUS GENERAL NOTES & SYMBOLS

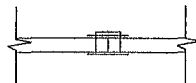
108

## PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

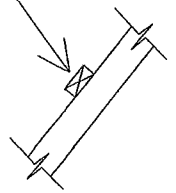
## FLOOR TRUSS SPLICE ( 3X2, 4X2, 6X2 )



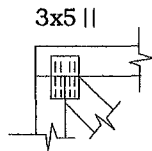
(W) = Wide Face Plate  
(N) = Narrow Face Plate

## LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.



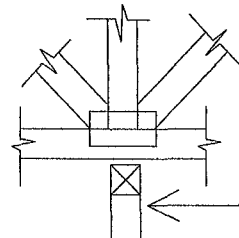
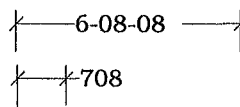
## PLATE SIZE AND ORIENTATION



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

## DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8 5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



## BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

W = Actual Bearing Width (IN-SX)  
R = Reaction (lbs.)  
U = Uplift (lbs.)

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA ), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



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