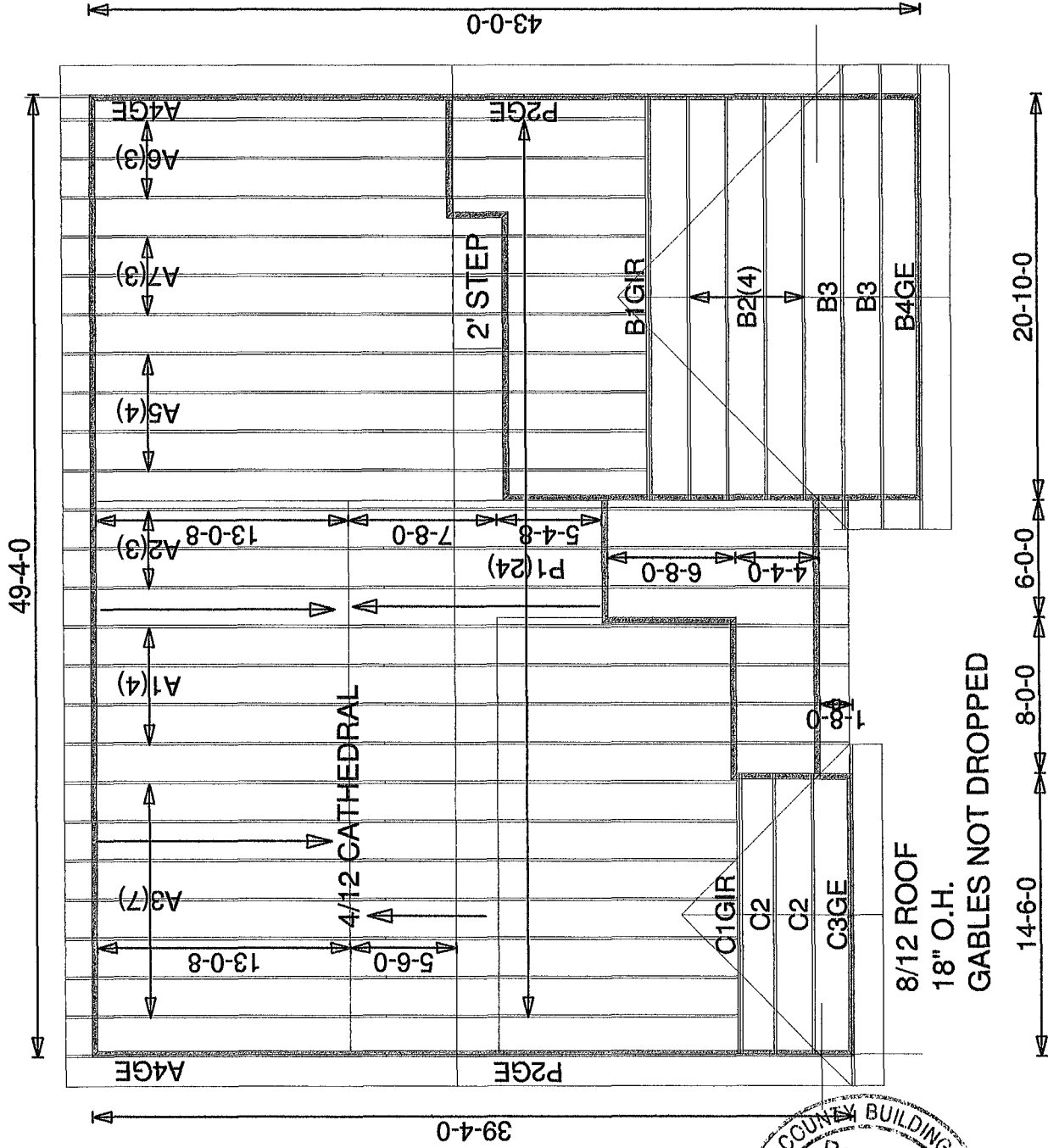
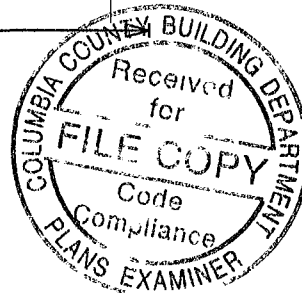




8/12 ROOF
18" O.H.
GABLES NOT DROPPED



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" o.c.

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



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

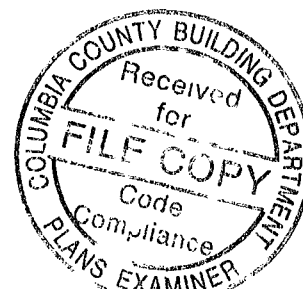
Roof Load: 40.0 psf

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

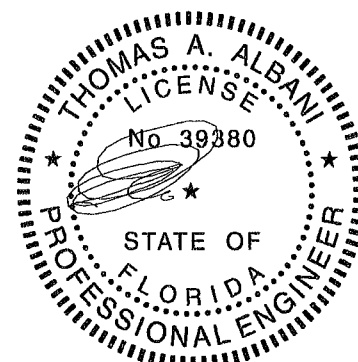


The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

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.

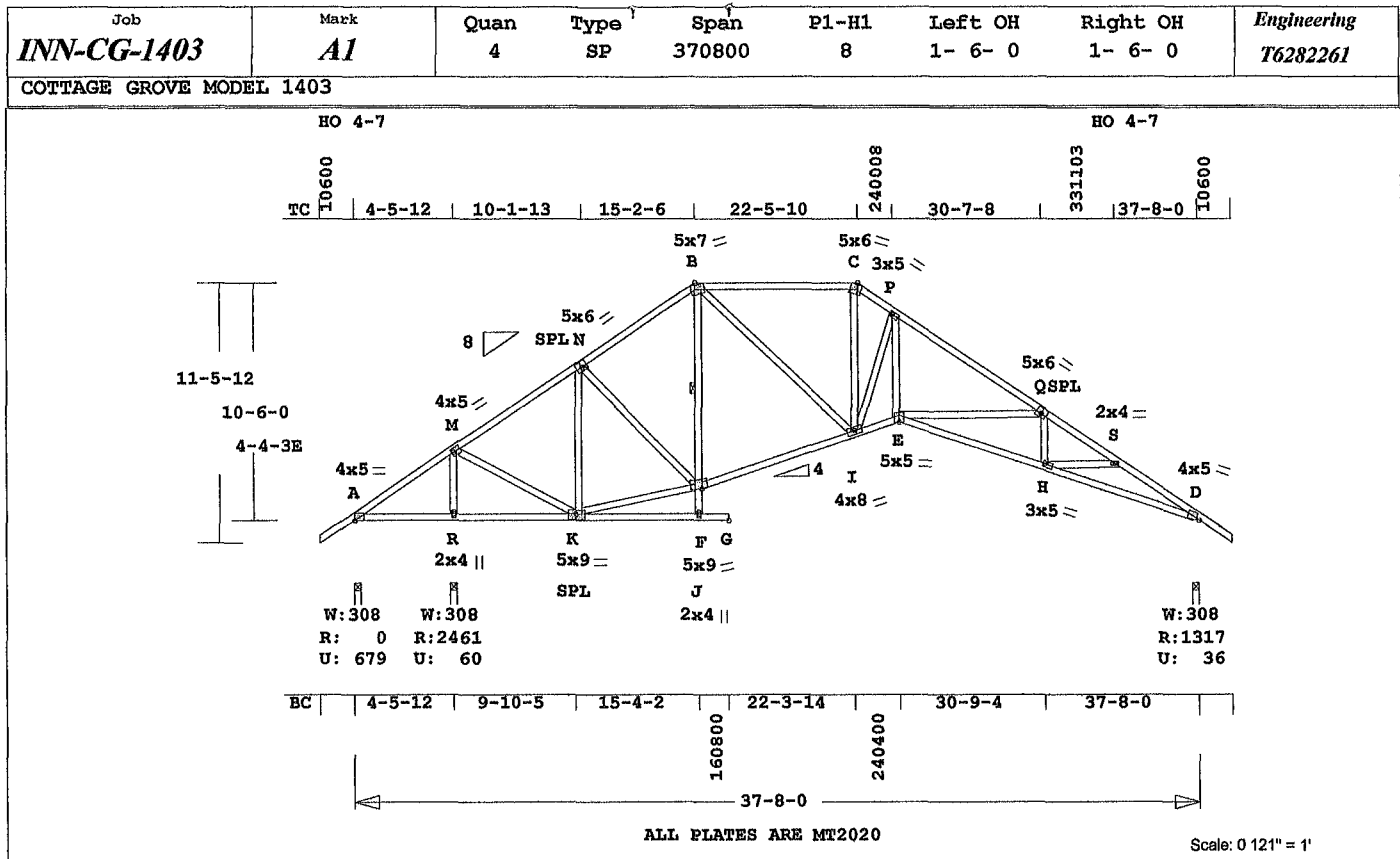


FL Cert. 6634

April 29, 2014

Albani, Thomas

1 of 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 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 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 Ax1-CBI-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
J -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
N -F 0 11 571 T
F -E 0 11 522 T
B -I 0 18 846 T
I -C 0 14 659 T
C -P 0 84 1538 C
P -Q 0 35 1591 T
Q -R 0 57 766 C
R -S 0 04 232 T
S -D 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

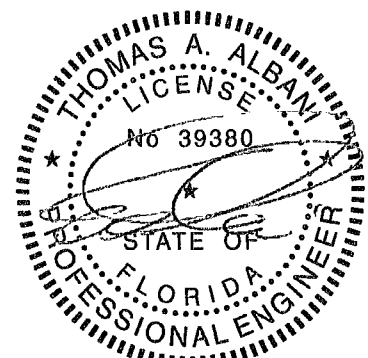
REVIEWED BY:

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

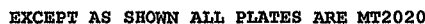
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B C
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
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
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.



FL Cert. 6634

April 29, 2014

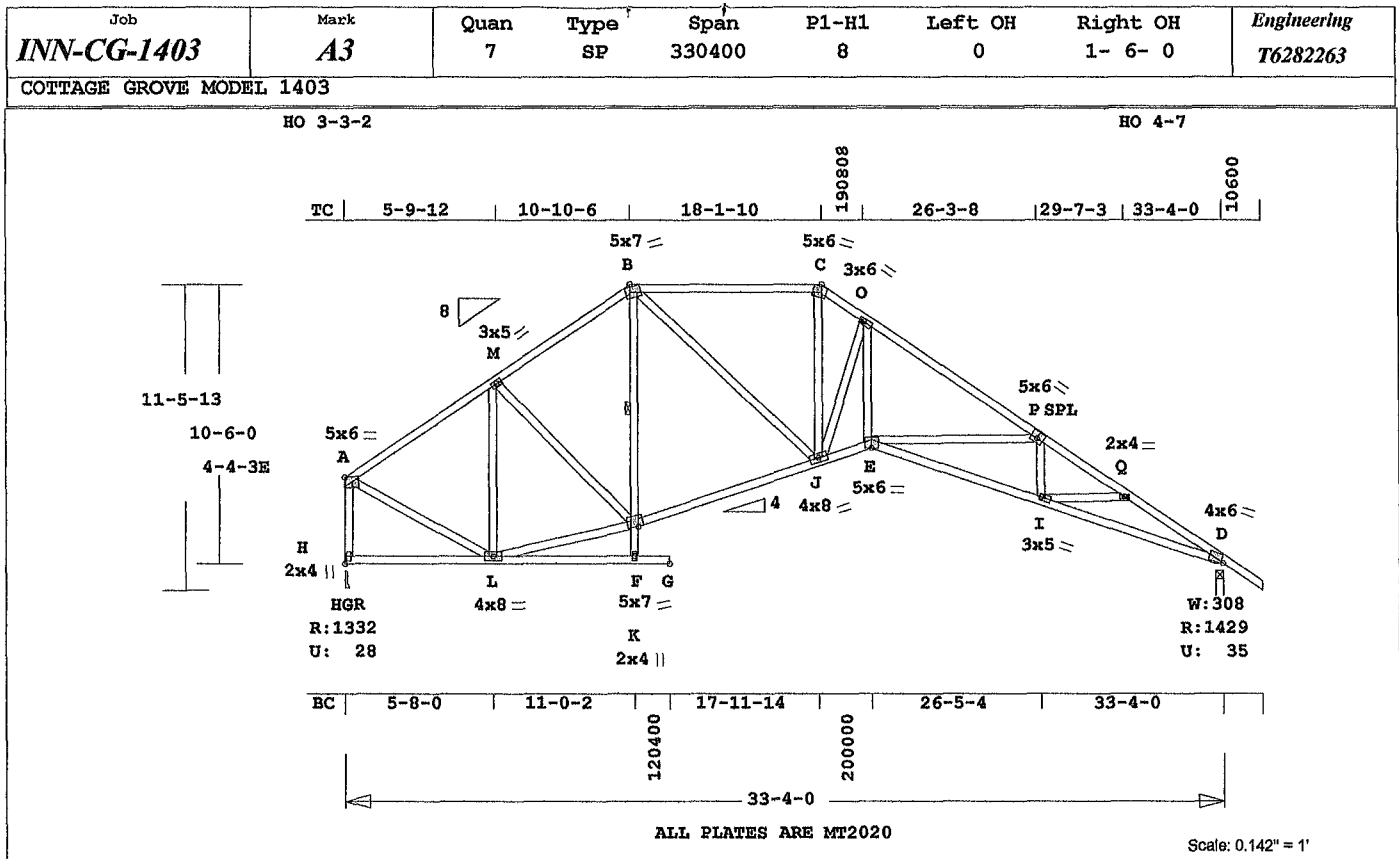
COTTAGE GROVE MODEL 1403



Scale: 0.124" = 1'

A circular professional engineer seal for Thomas A. Albany. The outer ring contains the text "THOMAS A. ALBANY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. The center of the seal features the license number "No 39380" and a stylized signature of "T. A. Albany" written over a large, loopy flourish.

April 29, 2014



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

Southern Pine lumber design
values are those effective
06-01-13 by SP18/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
TC	36.0"	10-10- 6
TC Cont.	18- 1-10	33- 4- 0
or	30.0"	18- 1-10
BC Cont.	0- 0- 0	33- 4- 0
or	72.0"	0- 0- 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

TC	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-Bnd
-----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	0.46	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

MiTek® Online Plus™ APPROX TRUSS WEIGHT 286.0 LBS

J	E	0.65	2347 T	0.48	0.17
E	I	0.85 <td>3151 T</td> <td>0.64</td> <td>0.21</td>	3151 T	0.64	0.21
I	D	0.91 <td>3070 T</td> <td>0.62</td> <td>0.29</td>	3070 T	0.62	0.29

K	F	0.24	80 T	0.01	0.23
F <td>B</td> <td>0.07</td> <td>204 C</td> <td>0.00</td> <td>0.07</td>	B	0.07	204 C	0.00	0.07

H	A	0.23	1287 C	WindLd
A <td>L</td> <td>0.24 <th>1072 T</th> <td></td> </td>	L	0.24 <th>1072 T</th> <td></td>	1072 T	
L <td>M</td> <td>0.50 <th>627 C</th> <td></td> </td>	M	0.50 <th>627 C</th> <td></td>	627 C	
I <td>F</td> <td>0.22 <th>1012 T</th> <td></td> </td>	F	0.22 <th>1012 T</th> <td></td>	1012 T	
M <td>F</td> <td>0.05 <th>262 T</th> <td></td> </td>	F	0.05 <th>262 T</th> <td></td>	262 T	
B <td>J</td> <td>0.17 <th>819 T</th> <td></td> </td>	J	0.17 <th>819 T</th> <td></td>	819 T	
J <td>C</td> <td>0.16 <th>813 T</th> <td></td> </td>	C	0.16 <th>813 T</th> <td></td>	813 T	
J <td>O</td> <td>0.93 <th>1677 C</th> <td></td> </td>	O	0.93 <th>1677 C</th> <td></td>	1677 C	
E <td>O</td> <td>0.40 <th>1798 T</th> <td></td> </td>	O	0.40 <th>1798 T</th> <td></td>	1798 T	
E <td>P</td> <td>0.57 <th>758 C</th> <td></td> </td>	P	0.57 <th>758 C</th> <td></td>	758 C	
I <td>P</td> <td>0.04 <th>220 T</th> <td></td> </td>	P	0.04 <th>220 T</th> <td></td>	220 T	
I <td>Q</td> <td>0.01 <th>104 T</th> <td></td> </td>	Q	0.01 <th>104 T</th> <td></td>	104 T	

TL Defl	-0.63"	in E	-I	L/628
LL Defl <td>-0.24"</td> <th>in E</th> <th>-I</th> <th>L/999</th>	-0.24"	in E	-I	L/999
Hx 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 JSI

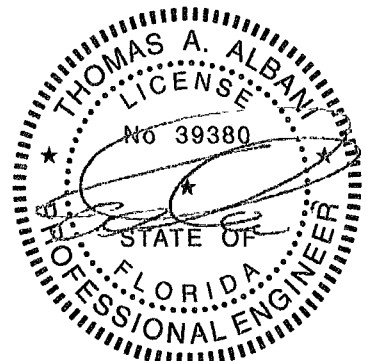
A	MT20	5.0x 6.0	Ctr-0.3	0.75
M	MT20	3.0x 5.0	Ctr Ctr	0.37
B	MT20	5.0x 7.0	1.6-3.4	0.72
C	MT20	5.0x 6.0	1.0-3.3	0.94
O	MT20	3.0x 6.0	0.8-0.6	0.84
P	MT20	5.0x 6.0	0.3 0.5	0.88
Q	MT20	2.0x 4.0	Ctr Ctr	0.29
D	MT20	4.0x 6.0	Ctr 0.3	0.88
H	MT20	2.0x 4.0	Ctr Ctr	0.33
L	MT20	4.0x 8.0	Ctr Ctr	0.53
K	MT20	2.0x 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.

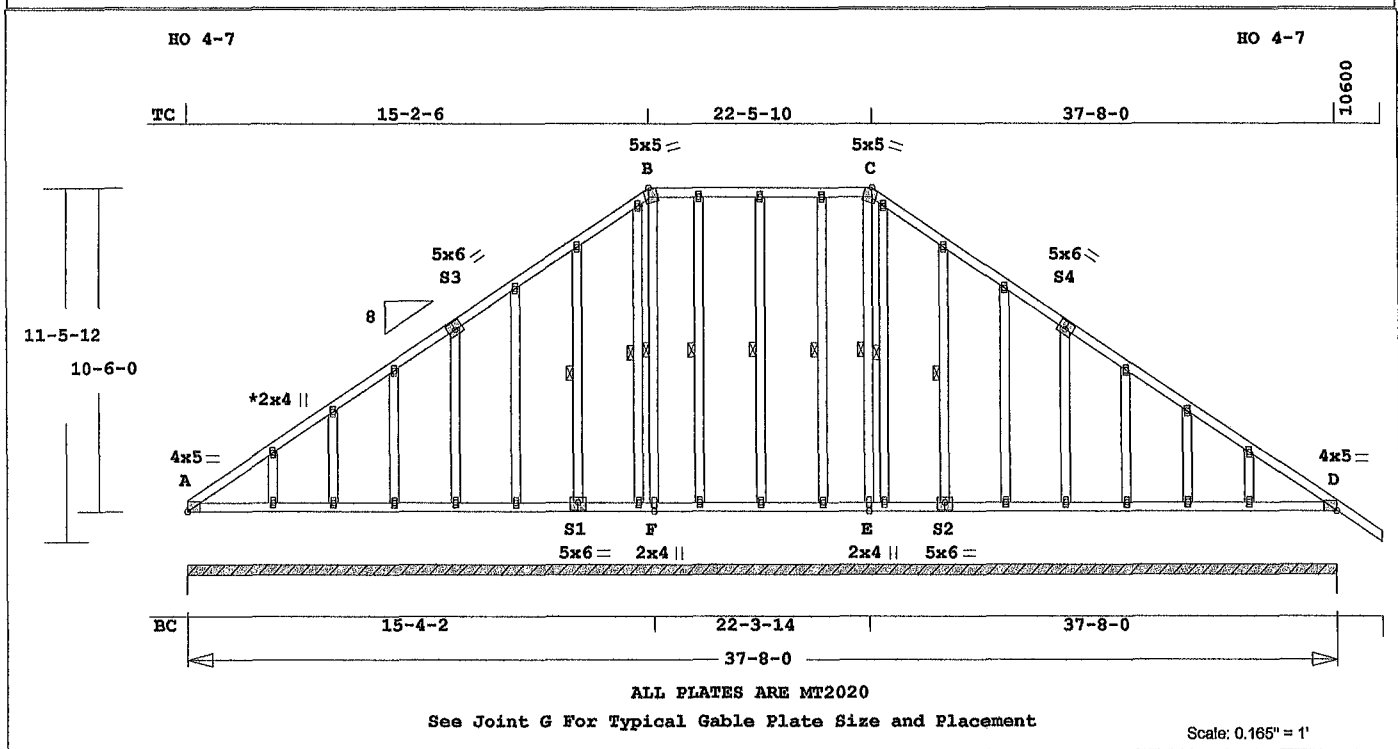


FL Cert. 6634

April 29, 2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1403	A4GE	2	HIPP	370800	8	0	1- 6- 0	T6282264

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 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
or 48 0" 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 RCSI 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 -O 0.02 164 T 0.00 0.02
C -AA 0.03 172 T 0.02 0.01
C -CC 0.04 159 T 0.00 0.04
CC-EE 0.04 97 T 0.00 0.04
EE-S4 0.03 59 C 0.00 0.03
S4-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-S4 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 - MT2H 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 0-3 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 0-3 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 0.37
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 Parke East Blvd.
Tampa, FL 33610

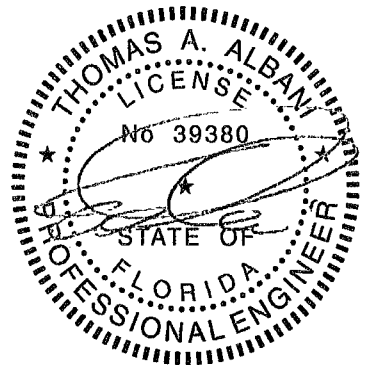
REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

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

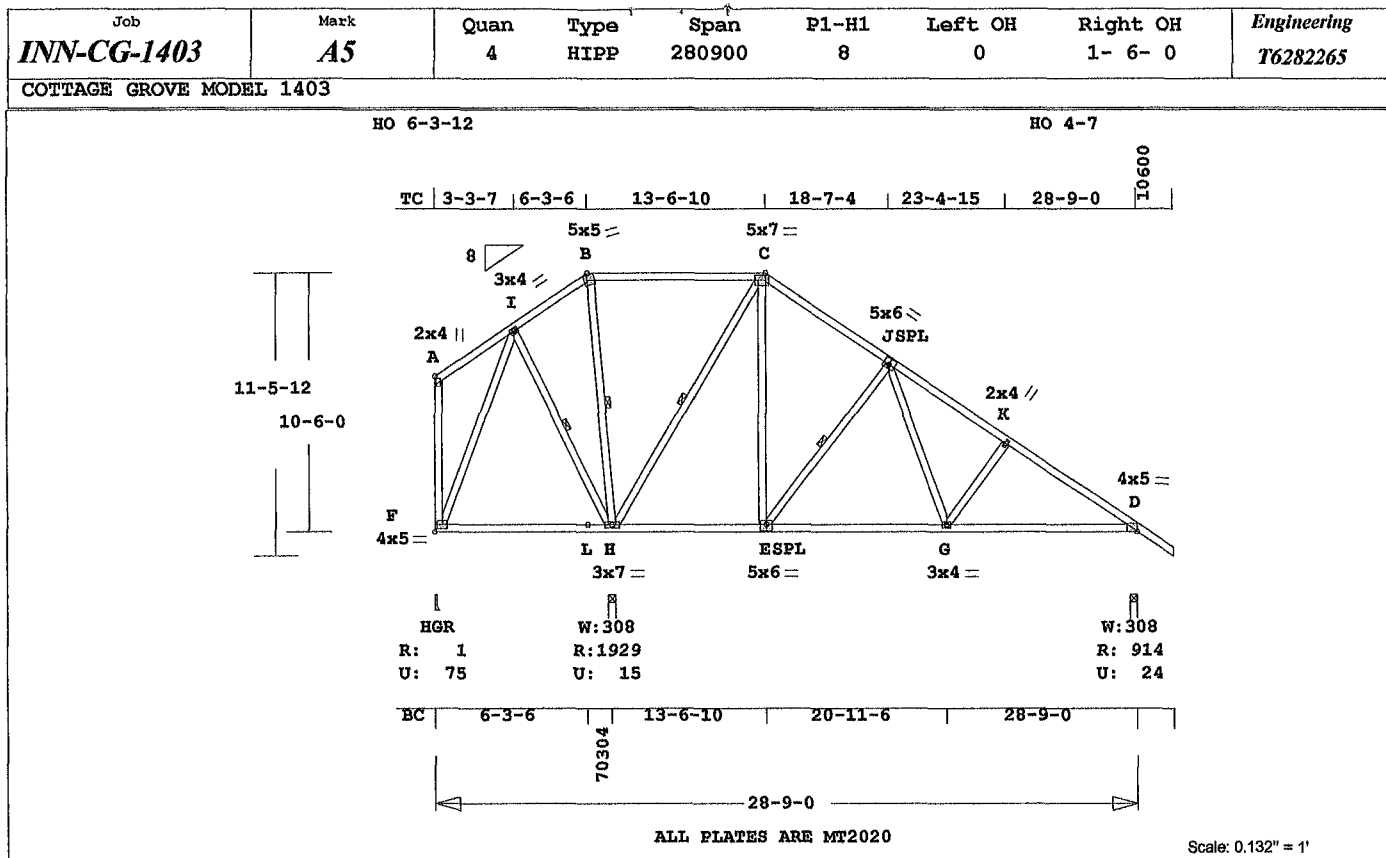
Truss designed for wind loads
in the plane of the truss
only. For studs exposed to
wind (normal to the face),
see Standard Industry Gable
End Details as applicable,

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 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



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-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-
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 F 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

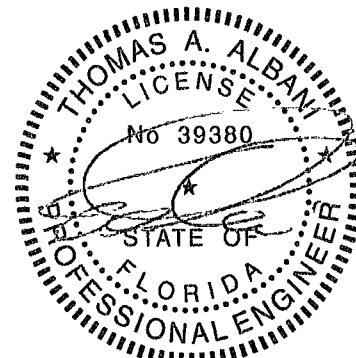
Tolerance = 20%

This truss is designed for a

creep factor of 1.5 which

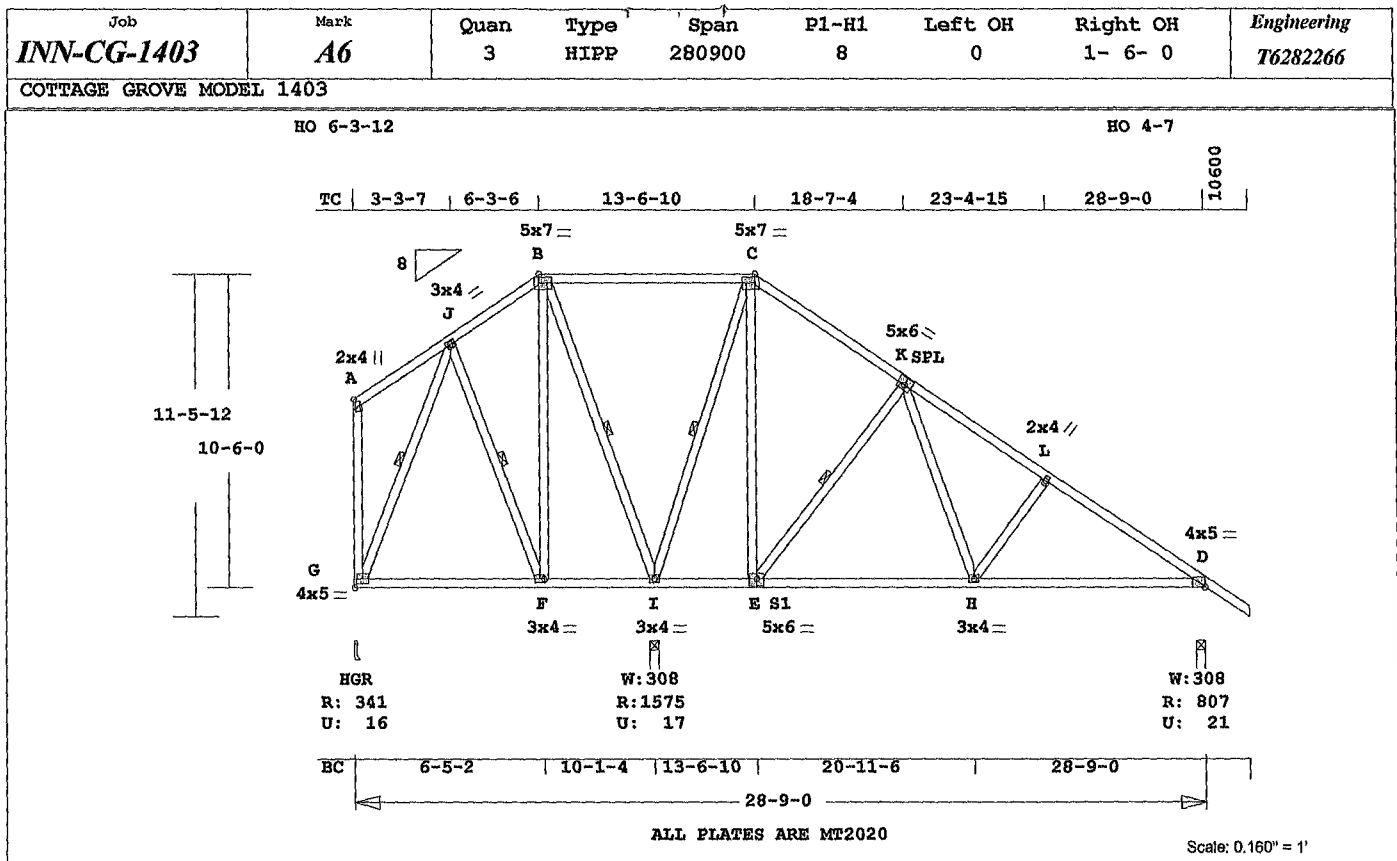
is used to calculate total

load deflection.



FL Cert. 6634

April 29, 2014



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

MiTek® Online Plus™ APPROX TRUSS WEIGHT: 277 2 LBS

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 WindLd
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

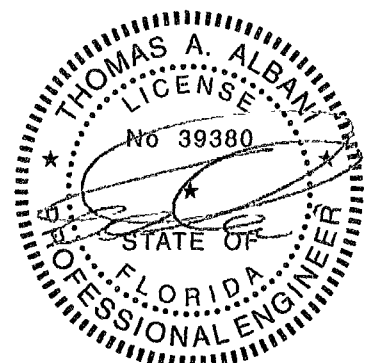
Plates for each ply each face
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.32
J MT20 3.0x 4.0 Ctr Ctr 0.47
B MT20 5.0x 7.0 Ctr-0.2 0.61
C MT20 5.0x 7.0 Ctr-0.2 0.71
K MT20 5.0x 6.0 0.3 0.5 0.46
L MT20 2.0x 4.0 Ctr Ctr 0.32
D MT20 4.0x 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.

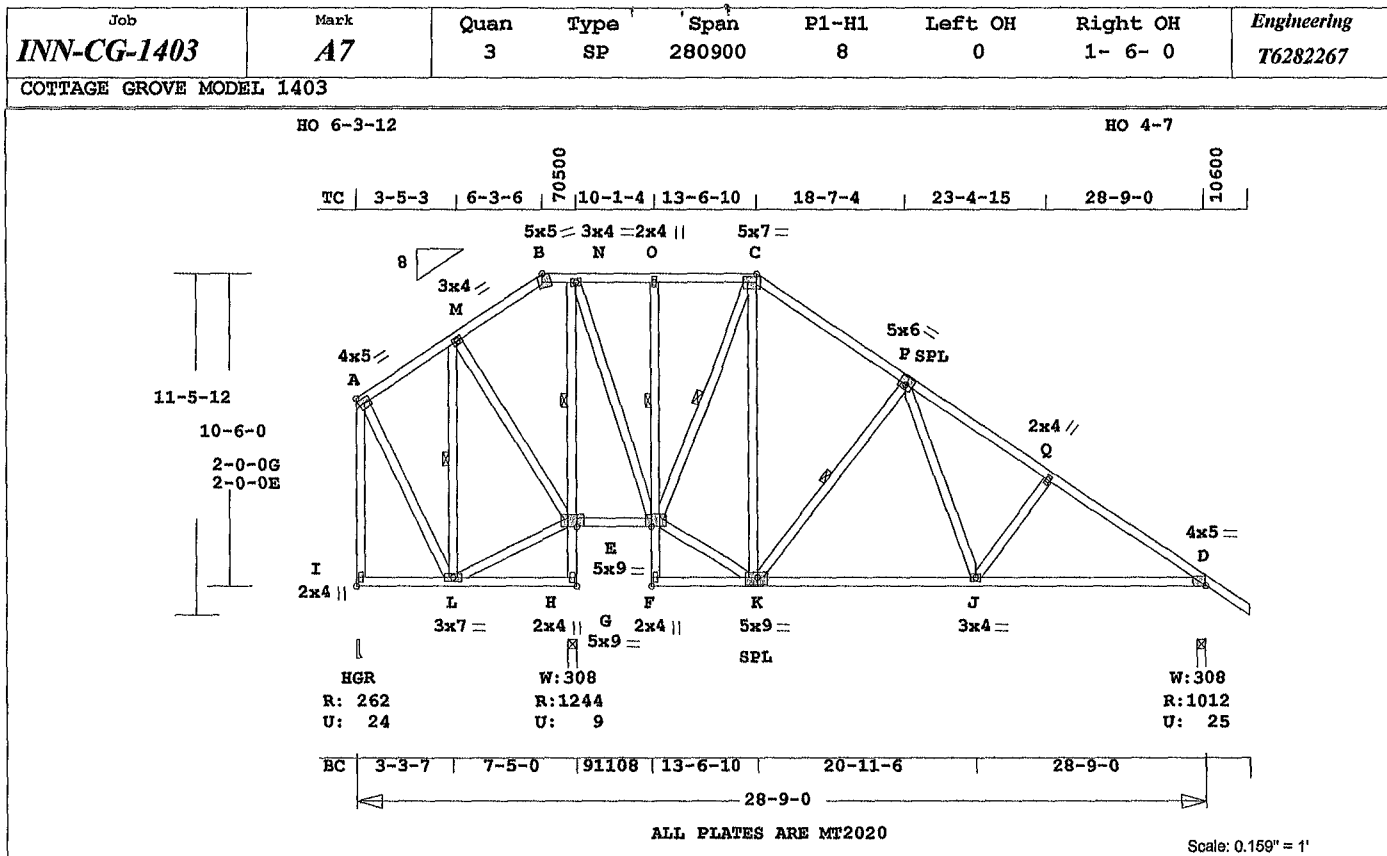
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0

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



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 Axl-CST-Bnd

-----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

G-E 0.09 262 T 0.00 0.09

F-K 0.28 7 T 0.00 0.28

K-J 0.56 751 T 0.15 0.41

J-D 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 -0.06" 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 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

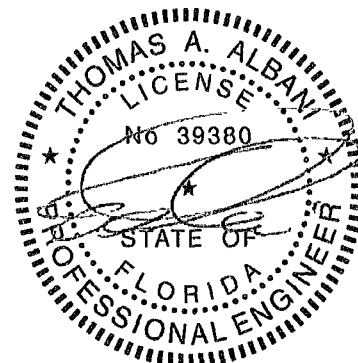
Max comp. force 1240 Lbs

Max tens. force 1049 Lbs

Connector Plate Fabrication

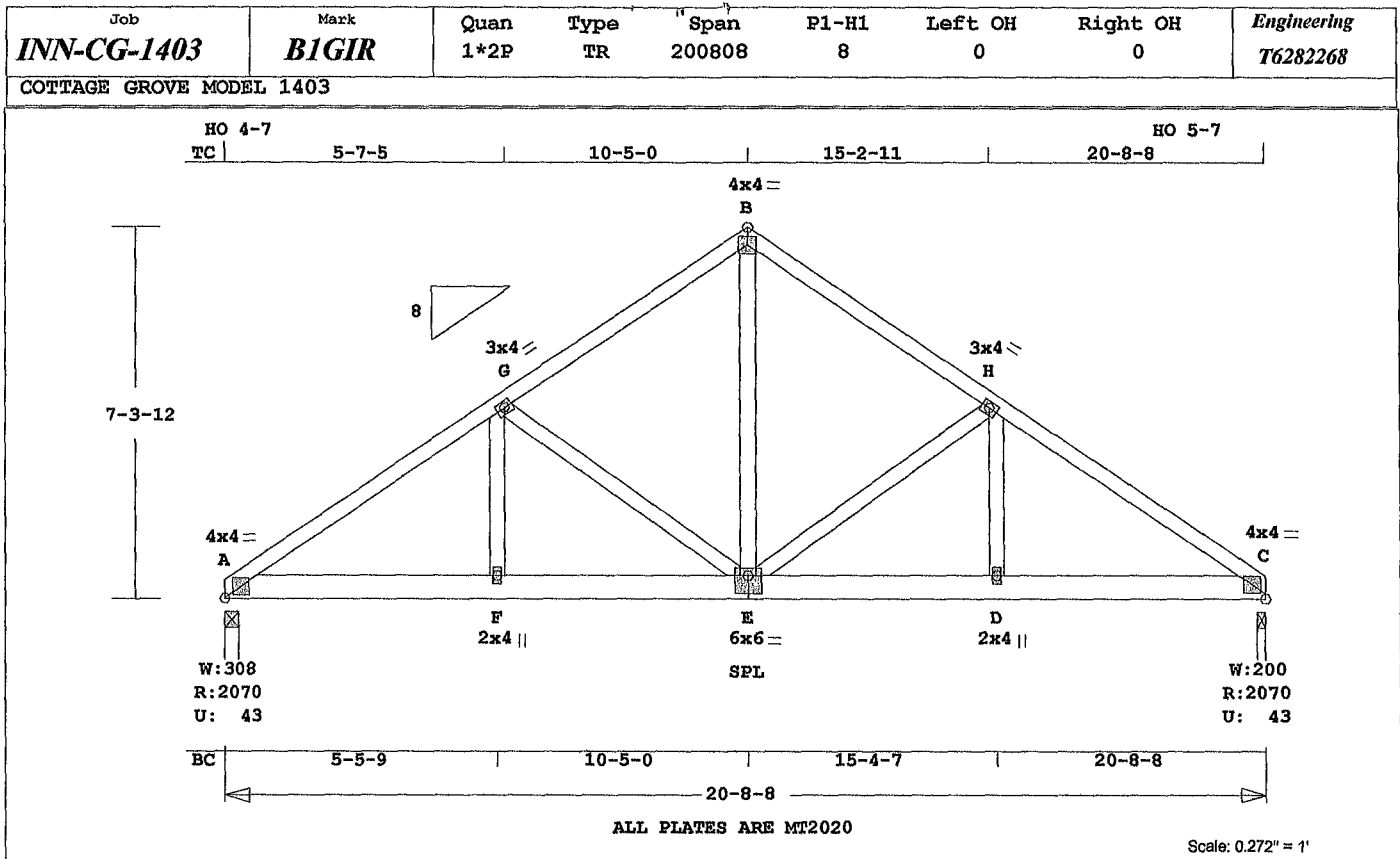
Tolerance = 20%

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



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	
TC	Fb 1.00 Fc 1.00 Ft 1.00 Emin 1.00	
BC	Fb 1.00 Fc 1.00 Ft 1.00 Emin 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-----			

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

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.

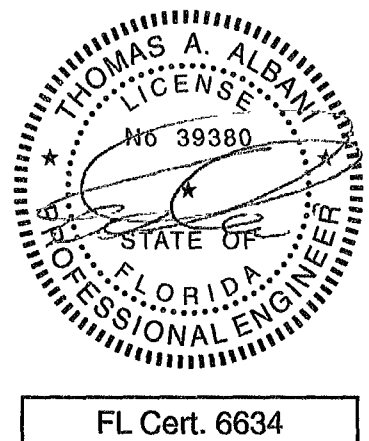
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FEC2010
 TPI 2007
 Girder Common
 Loading BC
 Span 8-0-0

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.

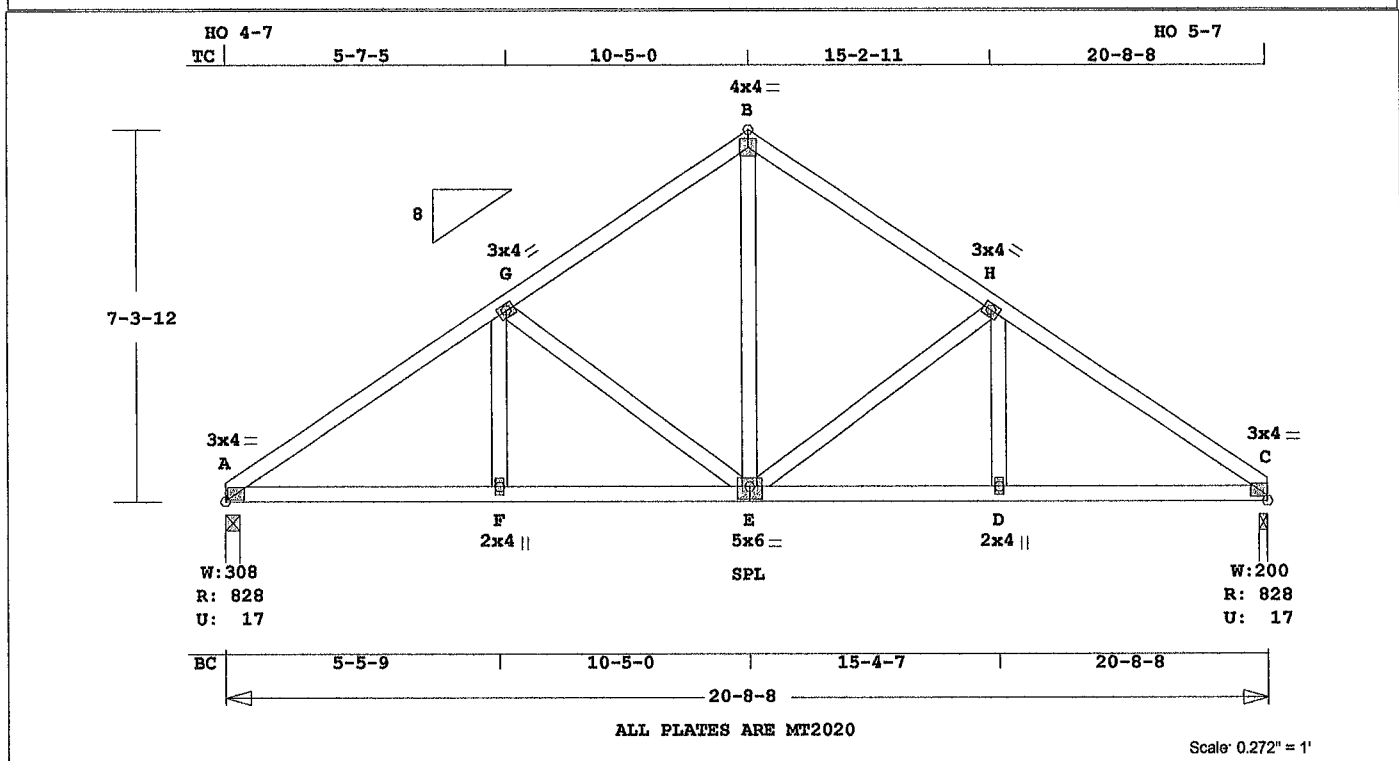


FL Cert. 6634

April 29, 2014

Job INN-CG-1403	Mark B2	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



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 0.29 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-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	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

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

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.

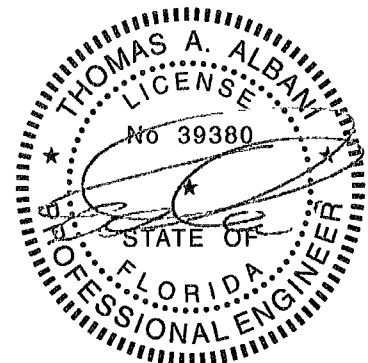
NOTES:

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.

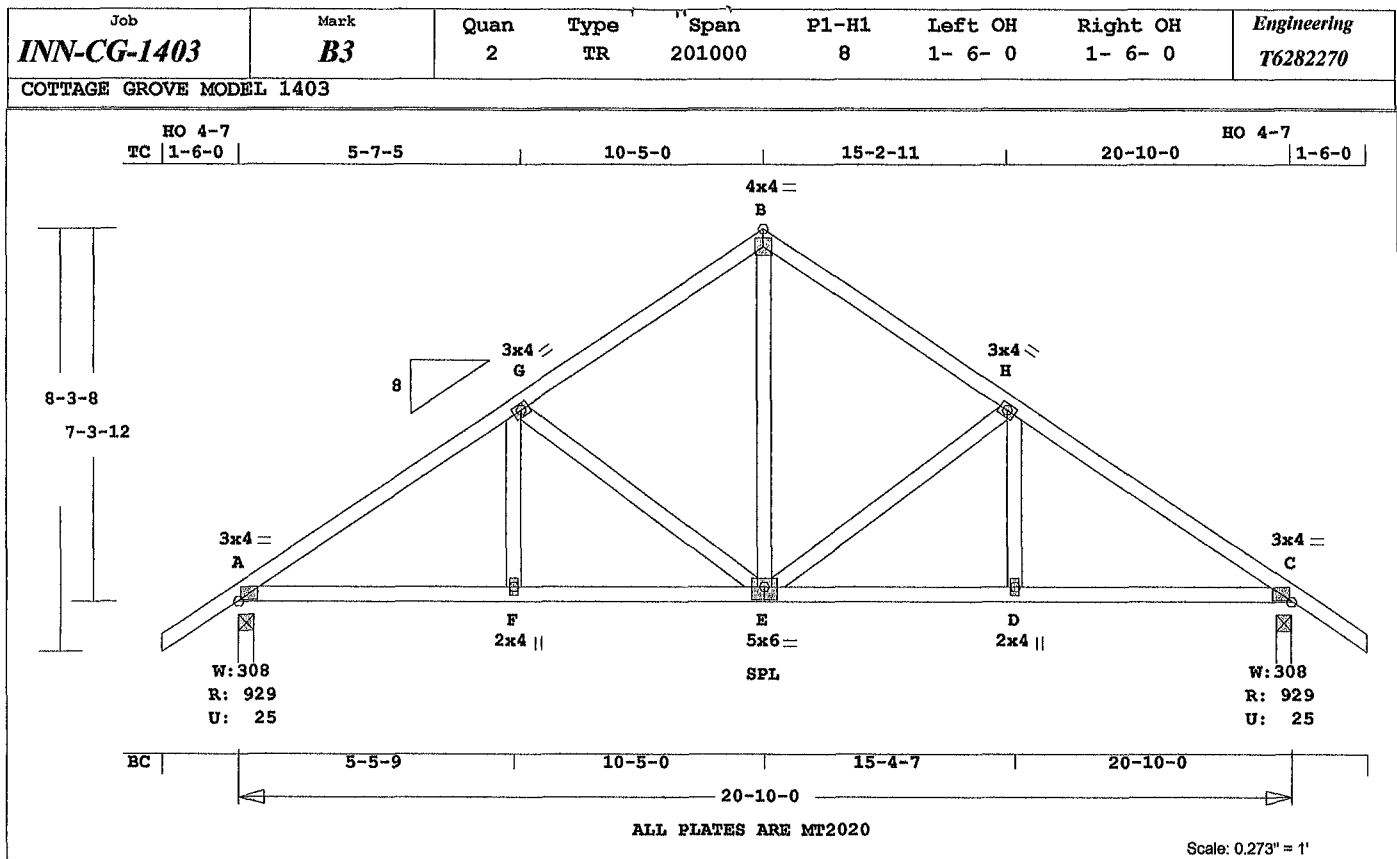
Design checked for 10 psf non-

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



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-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	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	

	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 - 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 0.60
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:

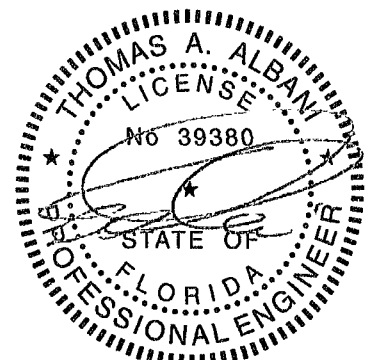
FBC2010
TPI 2007

OH Loading

Soffit psf 2.0

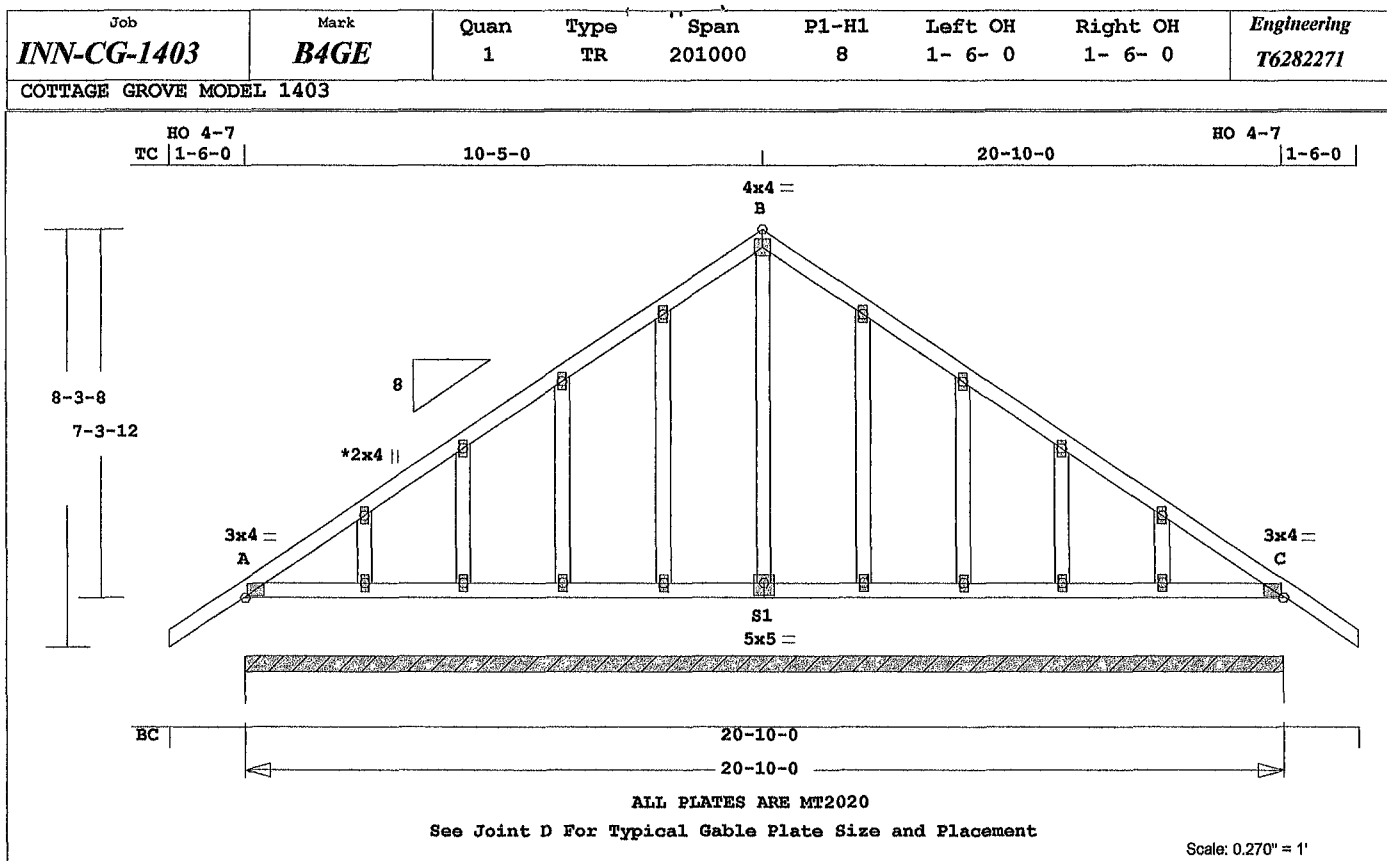
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.

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



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-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 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

MiTek® Online Plus™ APPROX TRUSS WEIGHT. 158.7 LBS

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

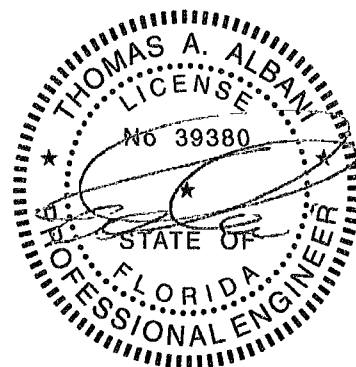
Plates for each ply each face
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3 0x 4 0 Ctr Ctr 0.49
D MT20 2 0x 4 0 Ctr Ctr 0.00
F MT20 2 0x 4 0 Ctr Ctr 0.00
H MT20 2 0x 4 0 Ctr Ctr 0.00
J MT20 2 0x 4 0 Ctr Ctr 0.00
B MT20 4 0x 4 0 Ctr Ctr 0.42
M MT20 2 0x 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:
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 145 Lbs
Max tens force 109 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
oneps factor of 1.5 which
is used to calculate total
load deflection.

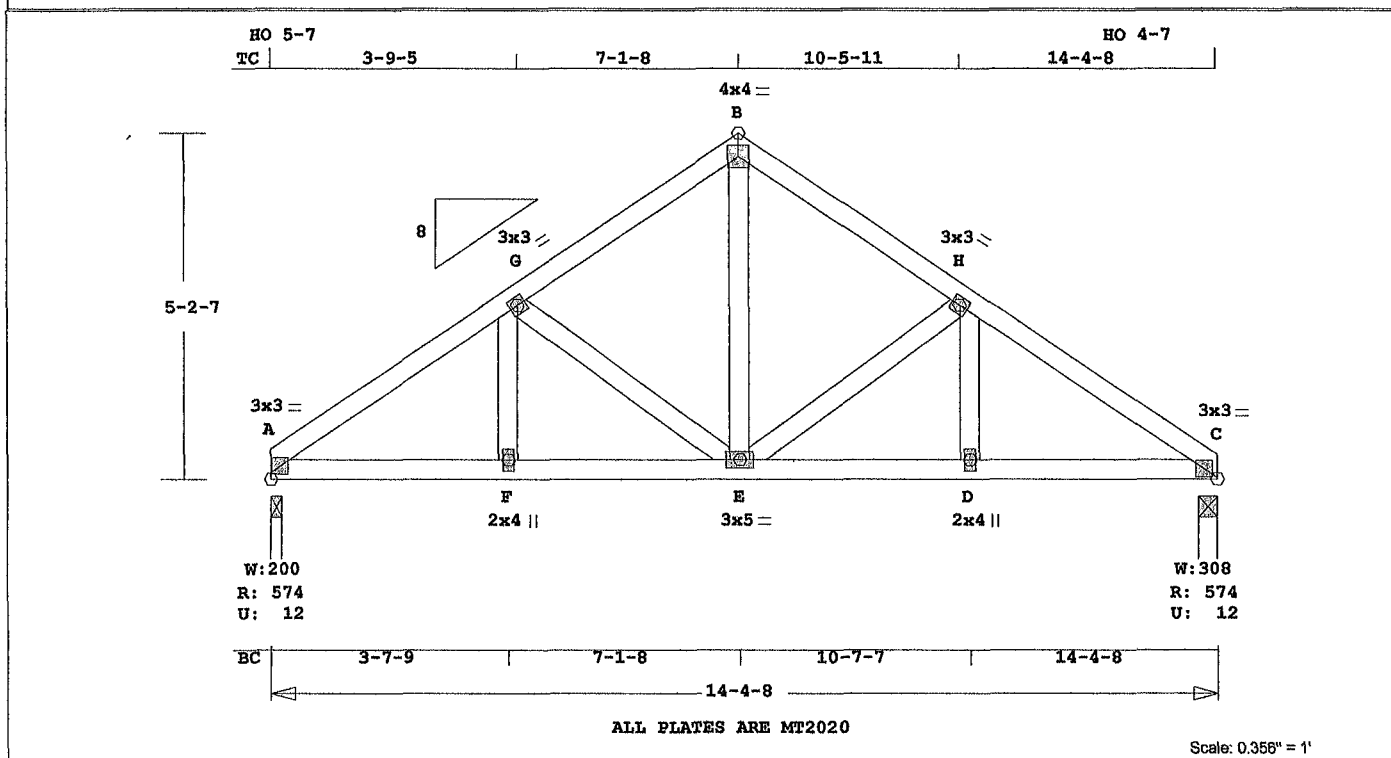


FL Cert. 6634

April 29, 2014

Job INN-CG-1403	Mark C2	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



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	Ft
TC	1.15	1.10
BC	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

MiTek® Online Plus™ APPROX TRUSS WEIGHT 92 9 LBS

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

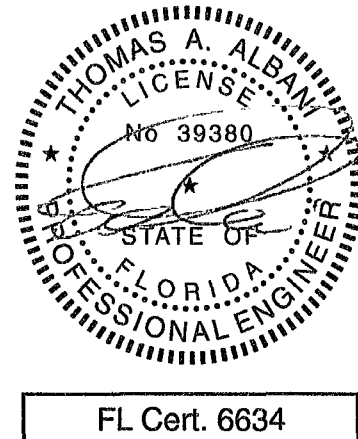
Trusses Manufactured by:
Mayo Truss Co. Inc.

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.

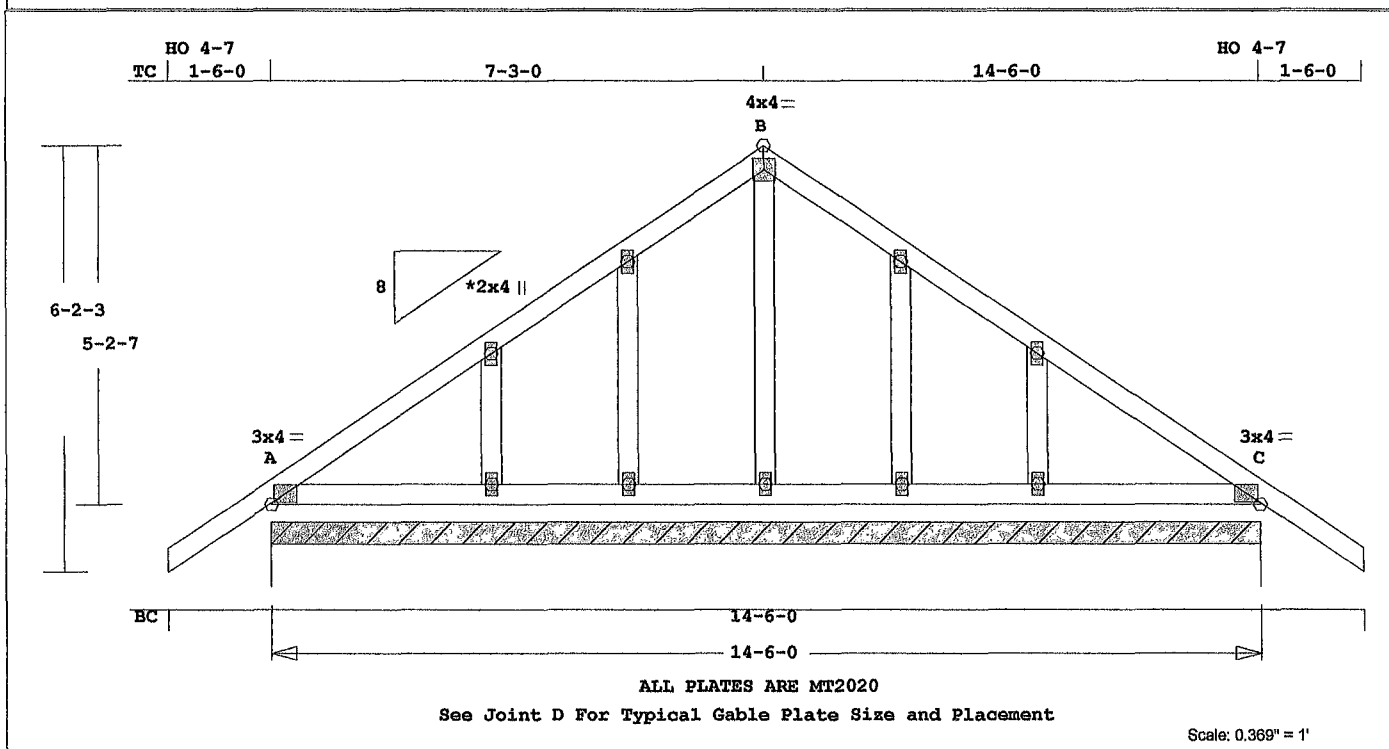


FL Cert. 6634

April 29, 2014

Job INN-CG-1403	Mark C3GE	Quan 1	Type TR	Span 140600	Pl-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
CSI -Size- ---Lumber---
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:
O.C. From To
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

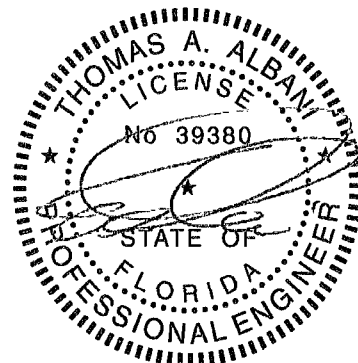
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.49
D MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 4.0x 4.0 Ctr Ctr 0.42
I MT20 2.0x 4.0 Ctr Ctr 0.00
K MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 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.

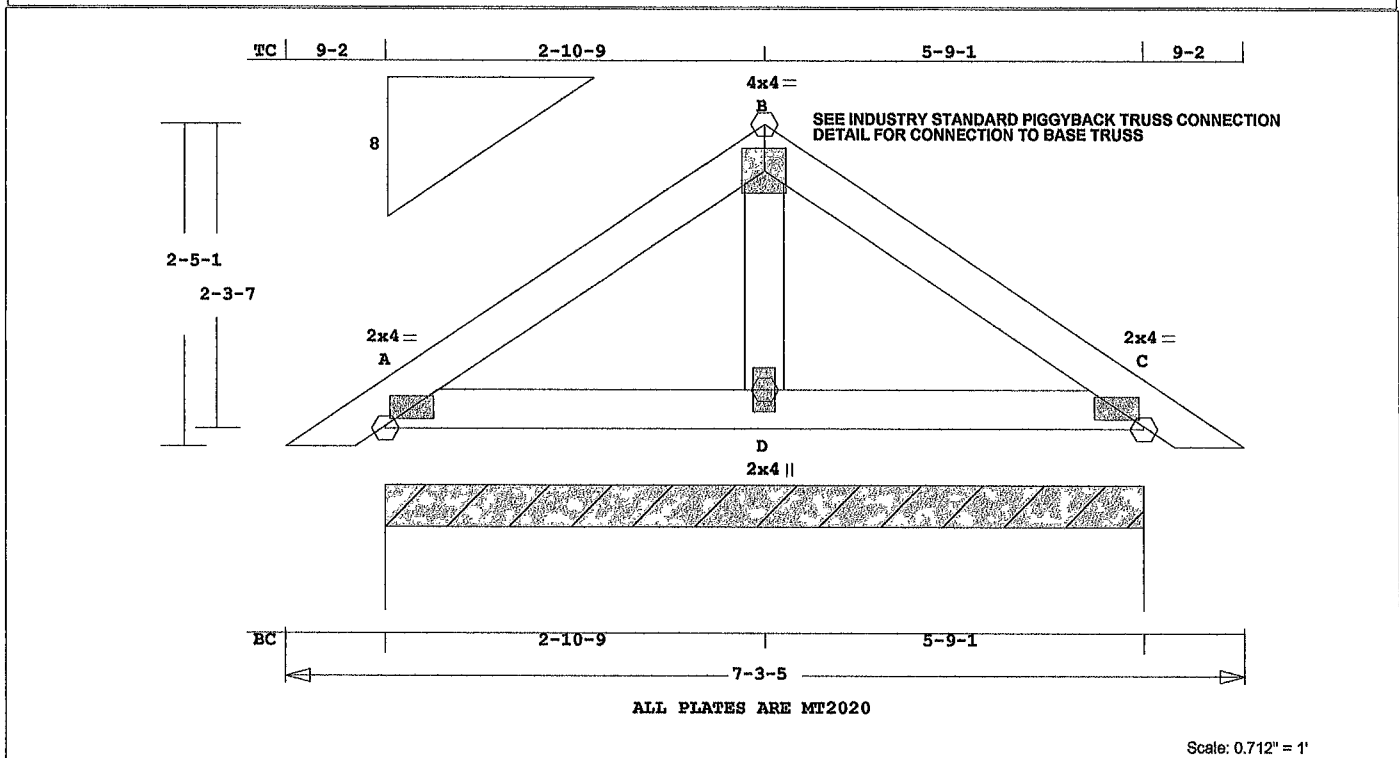


FL Cert. 6634

April 29, 2014

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
INN-CG-1403	P1	24	TR	70305	8	9- 2	9- 2	T6282275

COTTAGE GROVE MODEL 1403



Scale: 0.712" = 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
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	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
TC	1.15	1.10
BC	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-----			

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 30 5 LBS
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:
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REFER TO ONLINE PLUS GENERAL
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ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2010

TPI 2007

OH Loading

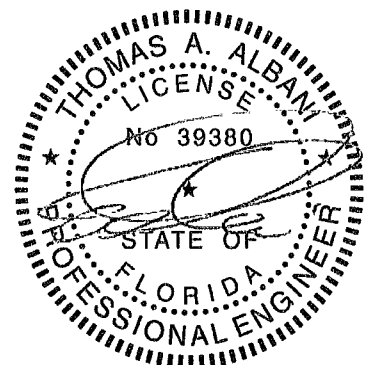
Soffit psf 2.0

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.

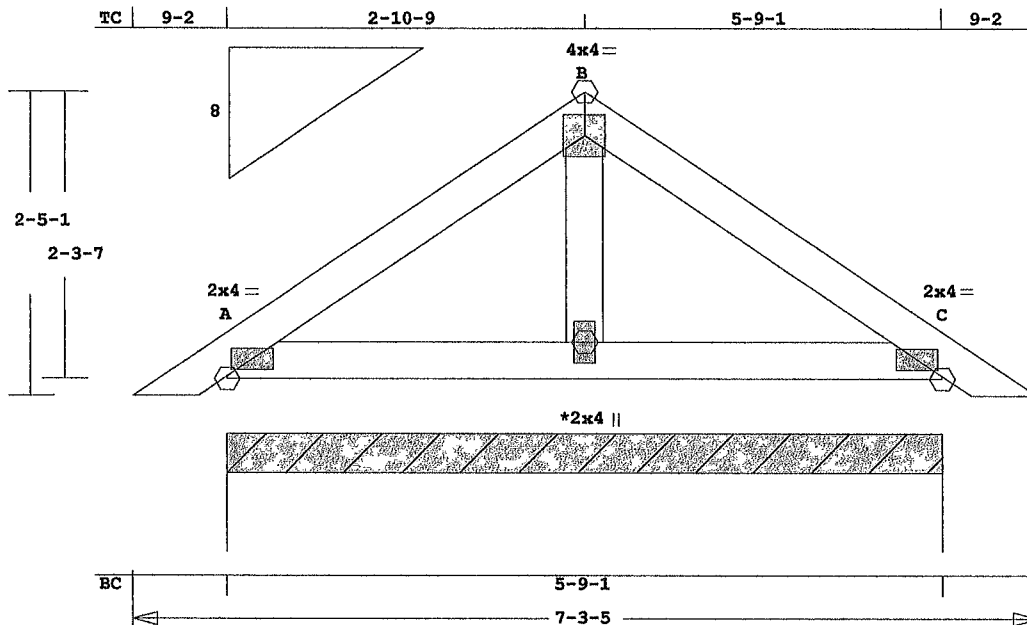


FL Cert. 6634

April 29, 2014

Job INN-CG-1403	Mark P2GE	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

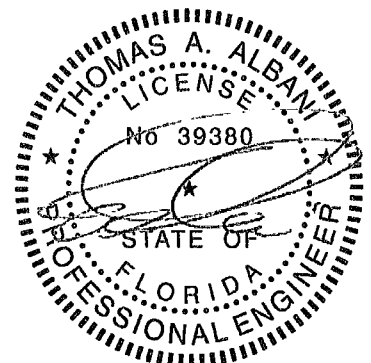
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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
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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

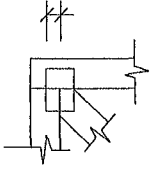
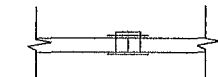


PLATE LOCATION

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.

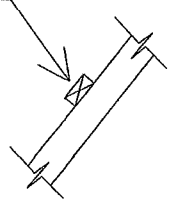
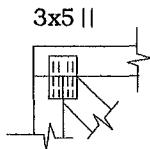


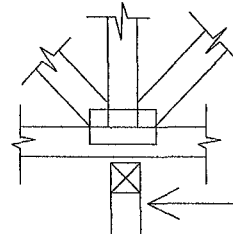
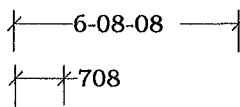
PLATE SIZE AND ORIENTATION



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).



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

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.

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.



MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135

Fax: 813-971-6117