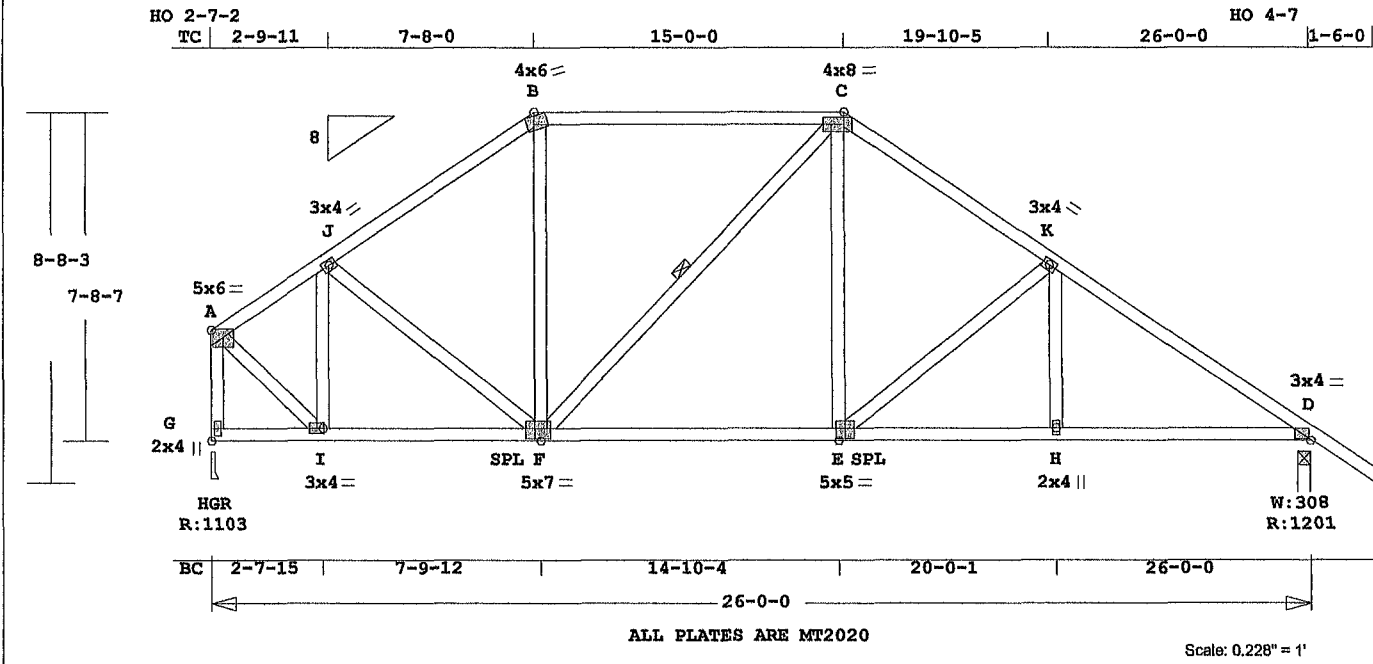


|                           |                    |                  |                     |                       |                   |                     |                            |                                |
|---------------------------|--------------------|------------------|---------------------|-----------------------|-------------------|---------------------|----------------------------|--------------------------------|
| Job<br><b>INN-CG-1503</b> | Mark<br><b>A11</b> | Quan<br><b>1</b> | Type<br><b>HIPP</b> | Span<br><b>260000</b> | P1-H1<br><b>8</b> | Left OH<br><b>0</b> | Right OH<br><b>1- 6- 0</b> | Engineering<br><b>T6295410</b> |
|---------------------------|--------------------|------------------|---------------------|-----------------------|-------------------|---------------------|----------------------------|--------------------------------|

COTTAGE GROVE 1503



Online Plus -- Version 30 0.023  
RUN DATE: 06-MAY-14

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

CSI -Size- Lumber-  
TC 0.71 2x 4 SP-#2  
BC 0.52 2x 4 SP-#2  
WB 0.27 2x 4 SP-#2

Brace truss as follows:  
O C. From To  
TC Cont. 0- 0- 0 26- 0- 0  
or 48.0" 0- 0- 0 26- 0- 0  
BC Cont. 0- 0- 0 26- 0- 0  
or 120.0" 0- 0- 0 26- 0- 0

Continuous Lateral Restraint  
req'd at mid-point of webs.  
F -C  
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 15 1.10 1 10 1.10  
BC 1.10 1 10 1.10 1 10

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
G 1104 137 R  
D 1202 111 R

Jt Brg Size Required  
G 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)

Membr CSI P Lbs Ax1-CSI-Bnd  
-----Top Chords-----  
A -J 0.13 747 C 0.00 0.13  
J -B 0.29 1009 C 0.00 0.29  
B -C 0.71 847 C 0.01 0.70  
C -K 0.34 1202 C 0.01 0.33  
K -D 0.32 1533 C 0.04 0.28

MiTek® Online Plus™ APPROX TRUSS WEIGHT 202 6 LBS

-----Bottom Chords-----  
G -I 0.07 115 T 0.00 0.07  
I -F 0.36 640 T 0.13 0.23  
F -E 0.52 1000 T 0.20 0.32  
E -H 0.51 1275 T 0.26 0.25  
H -D 0.40 1275 T 0.26 0.14  
-----Webs-----  
G -A 0.14 1077 C WindLd  
A -I 0.19 872 T  
I -J 0.16 541 C  
J -F 0.06 269 T  
F -B 0.04 249 T  
F -C 0.10 234 C 1 Br  
E -C 0.10 450 T  
E -K 0.27 377 C  
H -K 0.03 209 T

TL Defl -0.21" in F -E L/999  
LL Defl -0.10" in F -E L/999  
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 5.0x 6.0 Ctr-0.3 0.63  
J MT20 3.0x 4.0 Ctr Ctr 0.50  
B MT20 4.0x 6.0 0.8-2.8 0.74  
C MT20 4.0x 8.0 Ctr Ctr 0.91  
K MT20 3.0x 4.0 Ctr Ctr 0.50  
D MT20 3.0x 4.0 Ctr Ctr 0.89  
G MT20 2.0x 4.0 Ctr Ctr 0.30  
I MT20 3.0x 4.0 Ctr Ctr 0.67  
F MT20 5.0x 7.0 1.0-0.5 0.72  
E MT20 5.0x 5.0 Ctr-0.5 0.80  
H MT20 2.0x 4.0 Ctr Ctr 0.34

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

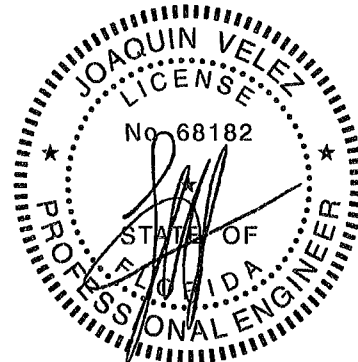
REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

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

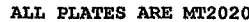
3- 6- 0 tall by  
2- 0- 0 wide  
will fit between the B.C.  
and any other member  
Design checked for 10 psf non-  
concurrent LL on BC  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as  
Components and Claddings\*  
for Exterior zone location.  
Wind Speed: 120 mph  
Risk Category : II  
Mean 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 1533 lbs  
Max tens. force 1275 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

May 6, 2014

COTTAGE GROVE 1503

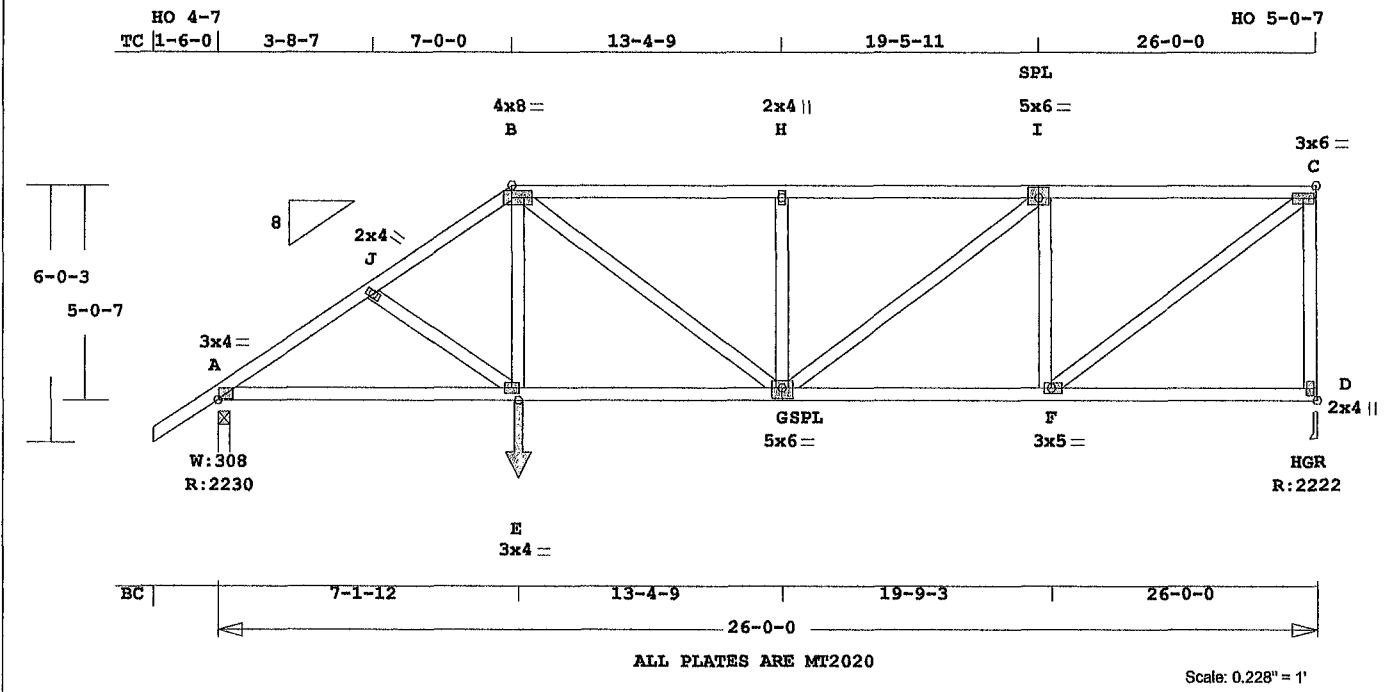


Scale: 0.228" = 1'

Online Plus™ © Copyright MITek® 1998-2013 Version 30.0.023 Engineering - Portrait 5/6/2014 12:26:35 PM Page 1

| Job         | Mark   | Quan | Type | Span   | Pl-H1 | Left OH | Right OH | Engineering |
|-------------|--------|------|------|--------|-------|---------|----------|-------------|
| INN-CG-1503 | A13GIR | 1*2P | HHIP | 260000 | 8     | 1- 6- 0 | 0        | T6295412    |

COTTAGE GROVE 1503



Online Plus -- Version 30 0.023  
 RUN DATE 06-MAY-14  
 \*\*\*\*\*  
 \* 2-Ply Truss \*  
 \*\*\*\*\*

Southern Pine Lumber design  
 values are those effective  
 06-01-13 by SPIB//ALSC UON  
 CSI -Size- ---Lumber---  
 TC 0 60 2x 4 SP-#2  
 BC 0 48 2x 4 SP-#2  
 WB 0 35 2x 4 SP-#2

Brace truss as follows  
 O C From To  
 TC Cont 0- 0- 0 26- 0- 0  
 or 48 0" 0- 0- 0 26- 0- 0  
 BC Cont 0- 0- 0 26- 0- 0  
 or 120 0" 0- 0- 0 26- 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 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 2230 64 R  
 D 2222 121 R

Jt Brg Size Required  
 A 3 5" 1 5"  
 D 3 5" 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' 26 0'  
 BC V 20 0 0 0' 26 0'  
 TC V 25 50 7 0' 25 0'  
 TC V -20 -40 25 0' 26 0'  
 BC V 25 0 7 1' 25 0'  
 BC V -20 0 25 0' 26 0'  
 BC V 280 280 7 1' CL-LB

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 -J 0 27 3351 C 0 02 0 25  
 J -B 0 33 3253 C 0 02 0 31  
 B -H 0 57 3409 C 0 06 0 51  
 H -I 0 57 3409 C 0 02 0 55  
 I -C 0 60 2510 C 0 01 0 59  
 -----Bottom Chords-----  
 A -E 0 43 2739 T 0 30 0 13

MiTek® Online Plus™ APPROX TRUSS WEIGHT 188 0 LBS

E -G 0 47 2746 T 0 30 0 17  
 G -F 0 48 2510 T 0 17 0 31  
 F -D 0 33 95 T 0 00 0 33

-----Webs-----  
 J -E 0 00 79 T  
 E -B 0 08 792 T  
 B -G 0 09 828 T  
 G -H 0 08 888 C  
 H -I 0 12 1129 T  
 F -I 0 15 1604 C  
 F -C 0 35 3155 T  
 D -C 0 20 2143 C WindLd

TL Defl -0 21" in E -G L/999  
 LL Defl -0 08" in E -G L/999  
 Shear // Grain in I -C 0 32

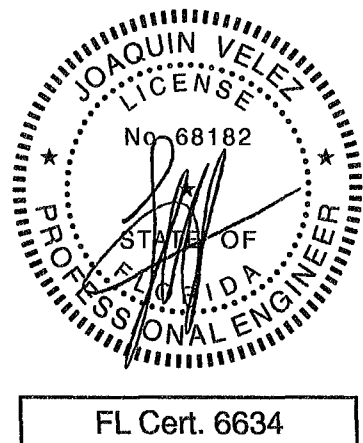
Plates for each ply each face  
 Plate - MT20 20 Ga, Gross Area  
 Plate - MT2H 20 Ga, Gross Area  
 Jt Type Plt Size X Y JSI  
 A MT20 3 0x 4 0 Ctr Ctr 0 97  
 J MT20 2 0x 4 0 Ctr Ctr 0 14  
 B MT20 4 0x 8 0 Ctr Ctr 0 78  
 H MT20 2 0x 4 0 Ctr Ctr 0 17  
 I MT20 5 0x 6 0 Ctr 0 5 0 93  
 C MT20 3 0x 6 0 Ctr Ctr 0 83  
 E MT20 3 0x 4 0 Ctr Ctr 0 32  
 G MT20 5 0x 6 0 Ctr-0 5 0 69  
 F MT20 3 0x 5 0 5 Ctr 0 81  
 D MT20 2 0x 4 0 Ctr Ctr 0 38

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 Half Hip  
 Framing King Jacks  
 Jack Open Faced  
 Setback 7- 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 1 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  
 Plus clusters of nails where  
 shown  
 OH Loading

Soffit psf 2 0  
 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 120 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 3409 lbs  
 Max tens force 3155 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

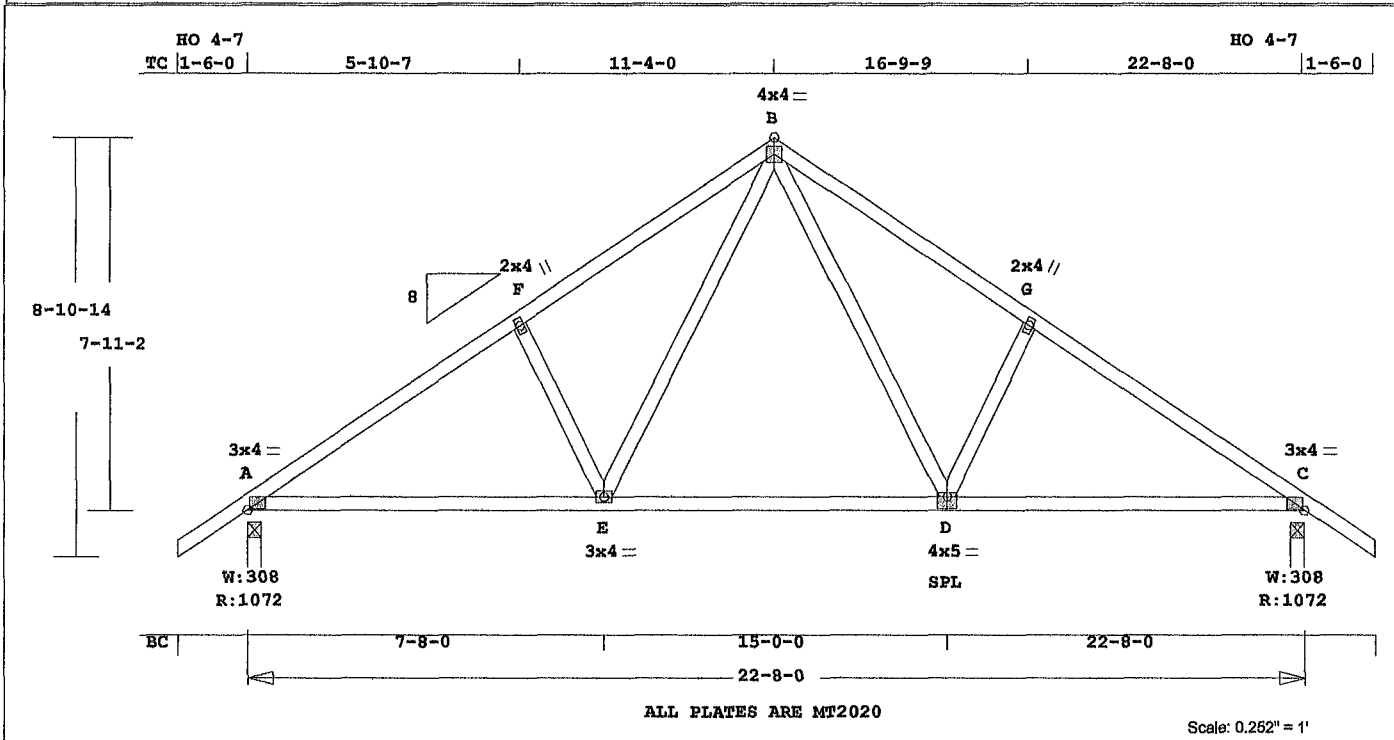


FL Cert. 6634

May 6, 2014

|                           |                   |            |            |                |            |                    |                     |                                |
|---------------------------|-------------------|------------|------------|----------------|------------|--------------------|---------------------|--------------------------------|
| Job<br><b>INN-CG-1503</b> | Mark<br><b>B1</b> | Quan<br>10 | Type<br>TR | Span<br>220800 | P1-H1<br>8 | Left OH<br>1- 6- 0 | Right OH<br>1- 6- 0 | Engineering<br><b>T6295413</b> |
|---------------------------|-------------------|------------|------------|----------------|------------|--------------------|---------------------|--------------------------------|

COTTAGE GROVE 1503



Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- Lumber-  
TC 0.31 2x 4 SP-#2  
BC 0.57 2x 4 SP-#2  
WB 0.12 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 22- 8- 0  
or 48.0\"

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 1072 116 R  
C 1072 116 R

Jt Brg Size Required  
A 3.5\"

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 Ax1-CSI-Bnd  
-----Top Chords-----  
A -F 0.31 1328 C 0.01 0.30  
F -B 0.31 1190 C 0.01 0.30  
B -G 0.31 1190 C 0.01 0.30

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 148.0 LBS

G -C 0.31 1328 C 0.01 0.30  
-----Bottom Chords-----  
A -E 0.55 1109 T 0.22 0.33  
E -D 0.57 734 T 0.15 0.42  
D -C 0.55 1109 T 0.22 0.33  
-----Webs-----  
F -E 0.09 294 C  
E -B 0.12 557 T  
B -D 0.12 557 T  
D -G 0.09 294 C

TL Defl -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 0.77  
F MT20 2.0x 4.0 Ctr Ctr 0.30  
B MT20 4.0x 4.0 Ctr Ctr 0.77  
G MT20 2.0x 4.0 Ctr Ctr 0.30  
C MT20 3.0x 4.0 Ctr Ctr 0.77  
E MT20 3.0x 4.0 Ctr Ctr 0.46  
D MT20 4.0x 5.0 Ctr-1.0 0.95

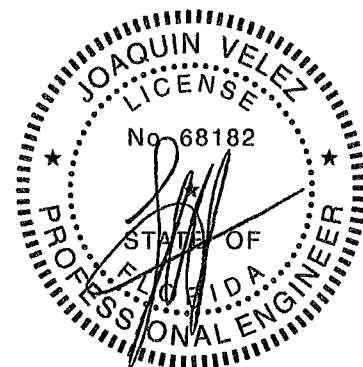
REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

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: 120 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 1328 Lbs  
Max tens. force 1109 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.

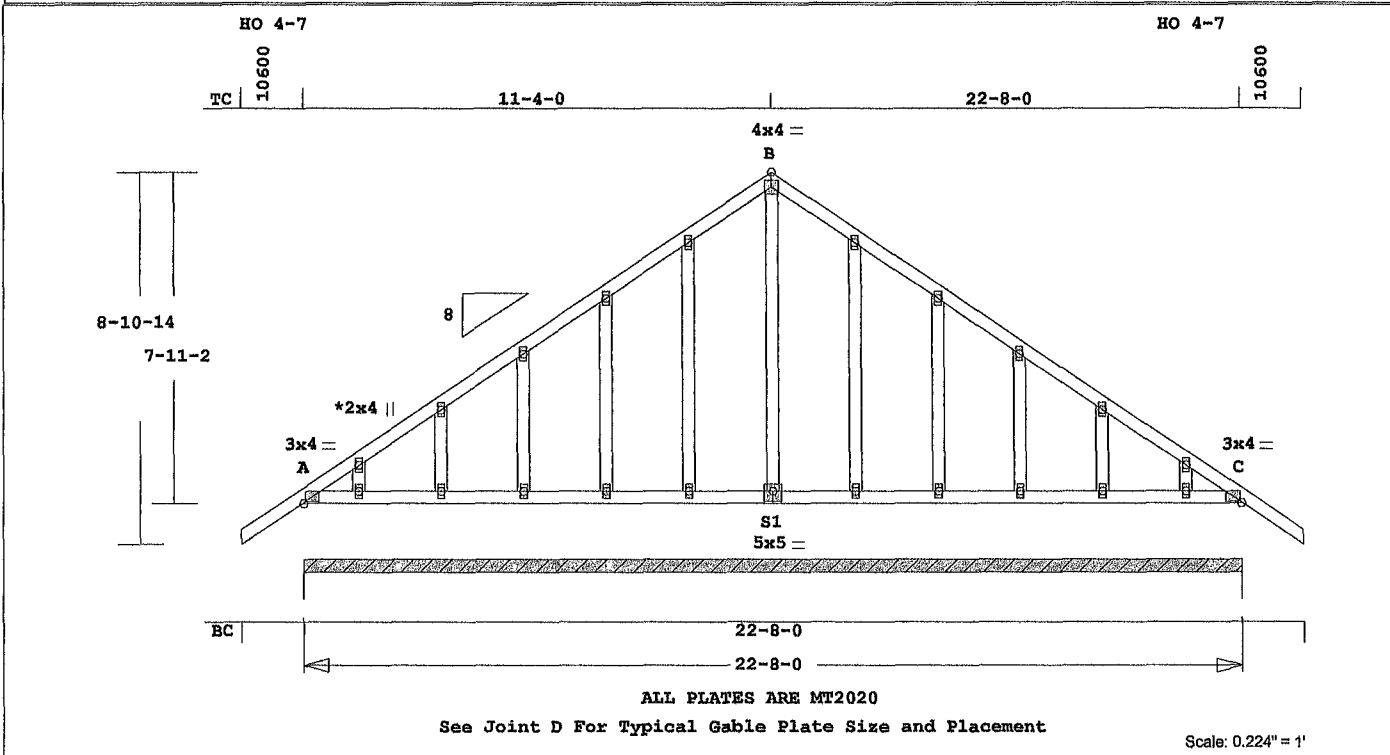


FL Cert. 6634

May 6, 2014

| Job                | Mark        | Quan | Type | Span   | Pl-H1 | Left OH | Right OH | Engineering     |
|--------------------|-------------|------|------|--------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>B2GE</b> | 1    | TR   | 220800 | 8     | 1- 6- 0 | 1- 6- 0  | <b>T6295414</b> |

COTTAGE GROVE 1503



Online Plus -- Version 30 0 023  
RUN DATE 06-MAY-14

Southern Pine Lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---  
TC 0 04 2x 4 SP-#2  
BC 0 02 2x 4 SP-#2  
GW 0 10 2x 4 SP-#2

Brace truss as follows:  
O C From To  
TC Cont. 0- 0- 0 22- 8- 0  
or 48 0" 0- 0- 0 22- 8- 0  
BC Cont. 0- 0- 0 22- 8- 0  
or 120 0" 0- 0- 0 22- 8- 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 2005 116 R  
Jt Brg Size Required  
A 272 0" 0"-to- 272"

Plus 21 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)  
Member CSI P Lbs Axl-CSI-Bnd  
---Top Chords---  
A -D 0 03 148 C 0 01 0 02  
D -F 0 04 105 C 0 00 0 04  
F -H 0 04 55 C 0 00 0 04  
H -J 0 03 46 C 0 00 0 03  
J -L 0 03 54 C 0 00 0 03  
L -B 0 03 96 T 0 00 0 03  
B -O 0 03 96 T 0 00 0 03  
O -Q 0 03 54 C 0 00 0 03  
Q -S 0 03 46 C 0 00 0 03  
S -U 0 04 55 C 0 00 0 04  
U -W 0 04 105 C 0 00 0 04  
W -C 0 03 148 C 0 01 0 02  
---Bottom Chords---  
A -E 0 01 4 T 0 00 0 01  
E -G 0 02 0 T 0 00 0 02

MiTek® Online Plus™ APPROX  
G -I 0 02 0 T 0 00 0 02  
I -K 0 02 0 T 0 00 0 02  
K -M 0 02 0 T 0 00 0 02  
M -S1 0 02 0 T 0 00 0 02  
S1 -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 -V 0 02 0 T 0 00 0 02  
V -X 0 02 0 T 0 00 0 02  
X -C 0 01 4 T 0 00 0 01  
---Gable Webs---  
E -D 0 01 99 C  
G -F 0 01 124 C  
I -H 0 03 119 C  
K -J 0 06 120 C  
M -L 0 10 123 C  
S1 -B 0 10 85 C  
P -O 0 10 123 C  
R -Q 0 06 120 C  
T -S 0 03 119 C  
V -U 0 01 124 C  
X -W 0 01 99 C  
TL Defl 0 00" in E -G L/999  
LL Defl 0 00" in E -G L/999  
Shear // Grain in D -F 0.06

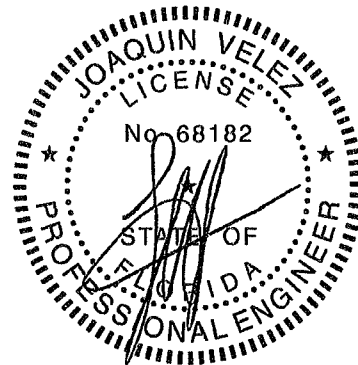
Plates for each ply each face  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 3.0x 4.0 Ctr Ctr 0 49  
D MT20 2.0x 4.0 Ctr Ctr 0 00  
F MT20 2 0x 4 0 Ctr Ctr 0 00  
H MT20 2 0x 4 0 Ctr Ctr 0 00  
J MT20 2 0x 4 0 Ctr Ctr 0 00  
L MT20 2 0x 4 0 Ctr Ctr 0 00  
B MT20 4 0x 4 0 Ctr Ctr 0 42  
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  
U MT20 2 0x 4 0 Ctr Ctr 0 00  
W 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  
M MT20 2 0x 4 0 Ctr Ctr 0 00  
S1 MT20 5 0x 5 0 Ctr-0.5 0 39  
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  
V MT20 2.0x 4 0 Ctr Ctr 0 00  
X MT20 2 0x 4 0 Ctr Ctr 0 00

REVIEWED BY:

TRUSS WEIGHT 179 4 LBS  
MiTek Industries, Inc  
6904 Parke East Blvd  
Tampa, FL 33610

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

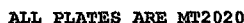
NOTES  
Trusses Manufactured by  
Mayo Truss Co Inc  
Analysis Conforms To  
FBC2010  
TPI 2007  
OH Loading  
Soffit psf 2 0  
Design checked for 10 psf non-  
concurrent LL on BC  
Truss designed for wind loads  
in the plane of the truss  
only For studs exposed to  
wind (normal to the face),  
see 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 120 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 148 lbs  
Max tens force 112 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

May 6, 2014

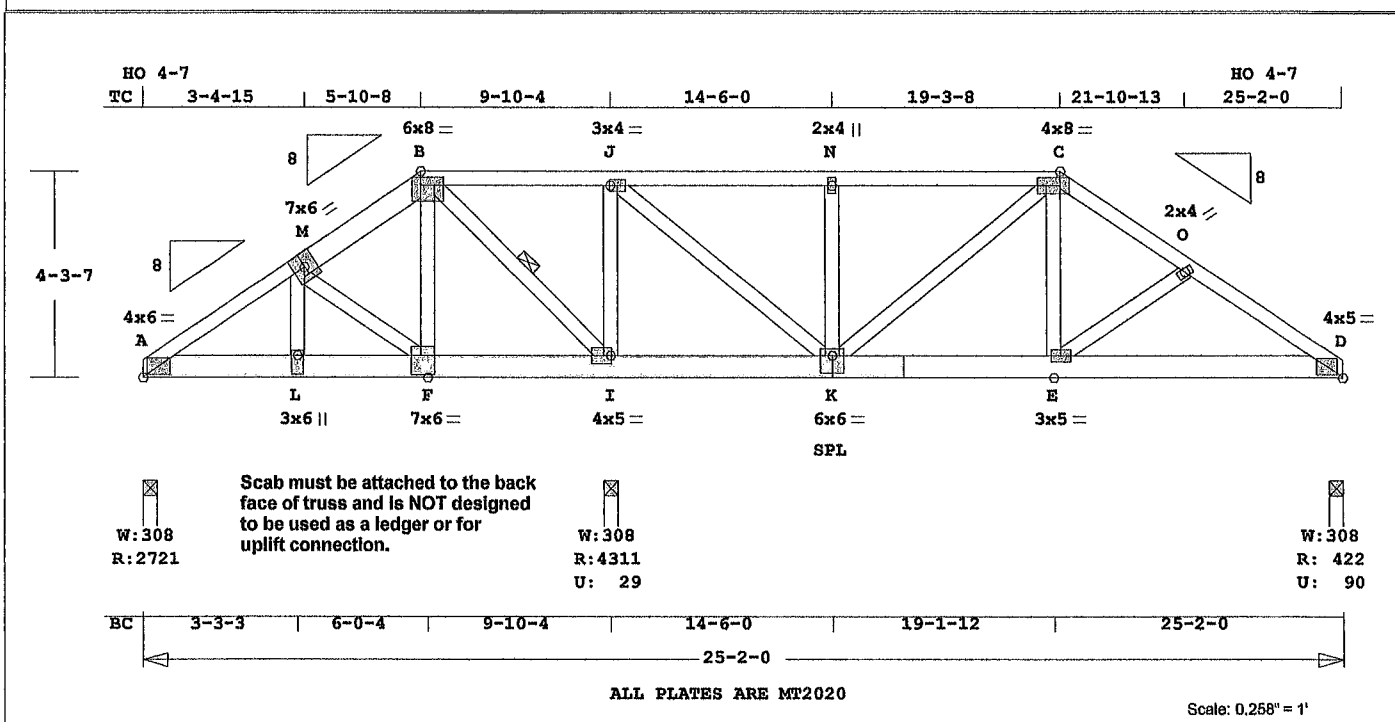
COTTAGE GROVE 1503



Scale: 0.573" = 1'

| Job         | Mark  | Quan | Type | Span   | P1-H1 | Left OH | Right OH | Engineering |
|-------------|-------|------|------|--------|-------|---------|----------|-------------|
| INN-CG-1503 | CIGIR | 1    | HIPP | 250200 | 8     | 0       | 0        | T6295416    |

COTTAGE GROVE 1503



Online Plus -- Version 30.0.023  
RUN DATE 06-MAY-14

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

CSI -Size- Lumber--  
TC 0.51 2x 4 SP-#2  
-- 0.19 2x 6 SP-#2  
M -B  
BC 0.64 2x 6 SP-#2  
WB 0.61 2x 4 SP-#2  
SCAB (1) 2x 6 SP-#2

Brace truss as follows

O C From To  
TC Cont 0-0-0 25-2-0  
or 30 0" 0-0-0 25-2-0  
BC Cont 0-0-0 25-2-0  
or 120 0" 0-0-0 25-2-0

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

B -I

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 1.00 1.00 1.00 1.00  
BC 1.00 1.00 1.00 1.00

Total Load Reactions (lbs)

Jt Down Uplift Horiz  
A 2722 59 R  
I 4311 30 U  
D 422 90 U 58 R

Jt Brg Size Required  
A 3 5" 3 2"  
I 3 5" 3 5"  
D 3 5" 1 5"

LC# 1 Standard Loading  
Dur Fctrs - Lbr 1.25 Plt 1.25  
plf - Dead Live\* From To  
TC V 20 40 0 0 25 2'  
BC V 20 0 0 0 25 2'  
BC V 263 263 0 0 10 3'

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 0.38 3094 C 0.11 0.27  
M -B 0.19 1695 C 0.01 0.18  
B -J 0.51 595 T 0.13 0.38

MiTek® Online Plus™ APPROX TRUSS WEIGHT 244 8 LBS

J -N 0.34 232 T 0.00 0.34  
N -C 0.26 232 T 0.00 0.26  
C -O 0.13 347 C 0.00 0.13  
O -D 0.11 480 C 0.06 0.05

-----Bottom Chords-----  
A -L 0.64 2601 T 0.42 0.22  
L -F 0.63 2601 T 0.42 0.21  
F -I 0.49 1392 T 0.22 0.27  
I -K 0.26 595 C 0.00 0.26  
K -E 0.12 289 T 0.04 0.08  
E -D 0.13 403 T 0.06 0.07

-----Webs-----  
L -M 0.34 1573 T  
M -F 0.28 1427 C  
F -B 0.61 2755 T  
B -I 0.45 2813 C  
I -J 0.21 829 C  
J -K 0.25 758 T  
K -N 0.07 290 C  
N -C 0.24 395 C  
C -O 0.05 281 T  
O -D 0.02 139 C

TL Defl -0.10" in L -F L/999  
LL Defl -0.04" in L -F L/999  
Shear // Grain in F -I 0.44

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 6 0 Ctr Ctr 0.89  
M MT20 7 0x 6 0 Ctr Ctr 0.57  
B MT20 6 0x 8 0 Ctr-1 0 0.65  
J MT20 3 0x 4 0 Ctr Ctr 0.57  
N MT20 2 0x 4 0 Ctr Ctr 0.34  
C MT20 4 0x 8 0 Ctr Ctr 0.58  
O MT20 2 0x 4 0 Ctr Ctr 0.28  
D MT20 4 0x 5 0 Ctr Ctr 0.49  
L MT20 3 0x 6 0 Ctr-1 7 0.78  
F MT20 7 0x 6 0 0.5-1.3 0.94  
I MT20 4 0x 5 0-0 5 Ctr 0.87  
K MT20 6 0x 6 0 Ctr-1 2 0.79  
E MT20 3 0x 5 0 Ctr Ctr 0.33

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: FBG2010 TPI 2007  
Fasten each scab (shaded) with 2 rows of 10d nails at 6 in o.c each row, staggered along entire length.  
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 120 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

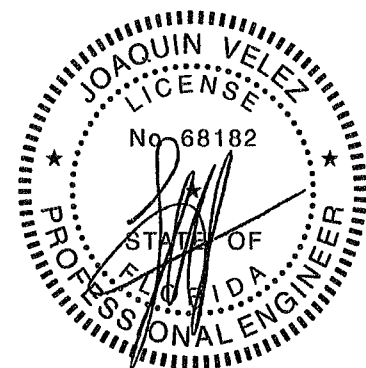
User-defined wind-exposed BC regions --From-- --To--  
9-10- 4 25- 2- 0

Max comp force 3094 Lbs

Max tens force 2755 Lbs

Connector Plate Fabrication Tolerance = 20%

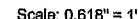
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection



FL Cert. 6634

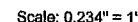
May 6, 2014

COTTAGE GROVE 1503



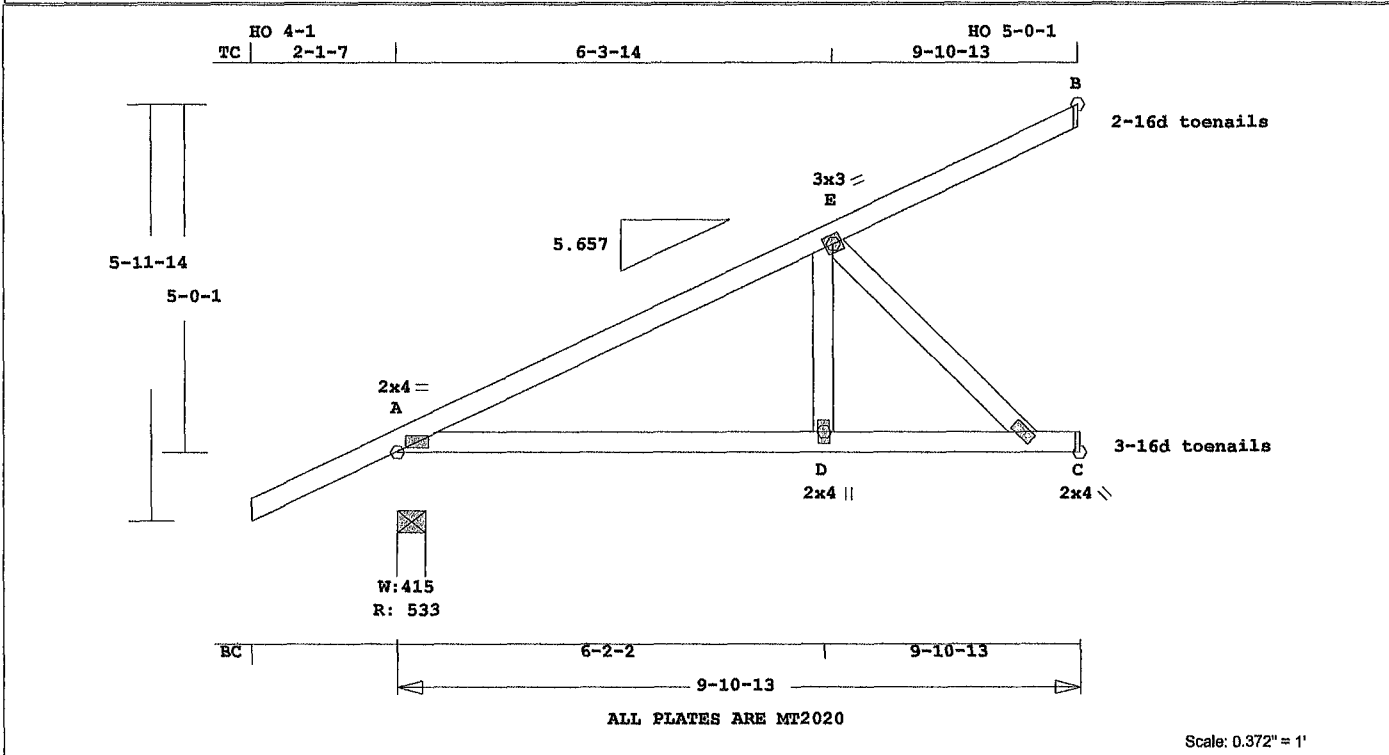
Online Plus™ © Copyright MITek© 1998-2013 Version 30.0.023 Engineering - Portrait 5/6/2014 12:26:50 PM Page 1

May 6, 2014

COTTAGE GROVE 1503

| Job                | Mark       | Quan | Type    | Span  | P1-H1 | Left OH | Right OH | Engineering     |
|--------------------|------------|------|---------|-------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>CJI</b> | 1    | MONO.DD | 91013 | 5.657 | 2- 1- 7 | 0        | <b>T6295419</b> |

COTTAGE GROVE 1503



Scale: 0.372" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- Lumber-----  
TC 0.33 2x 4 SP-#2  
BC 0.45 2x 4 SP-#2  
WB 0.17 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 9- 7- 5  
or 48.0" 0- 0- 0 9- 7- 5  
BC Cont. 0- 0- 0 9- 7- 5  
or 117.3" 0- 0- 0 9- 7- 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 534 101 R  
C 321  
B 73 18 U 69 R

Jt Brg Size Required  
A 4.9" 1.5"  
C 3.5" 1.5"  
B 1.5" 1.5"

Plus 15 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 -E 0.33 411 C 0.00 0.33  
E -B 0.29 62 T 0.00 0.29

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 56 7 LBS

-----Bottom Chords-----  
A -D 0.30 378 T 0.07 0.23  
D -C 0.45 378 T 0.07 0.38  
C -C 0.33 0 T 0.00 0.33  
-----Webs-----  
D -E 0.05 286 T  
E -C 0.17 527 C

TL Defl -0.08" in A -D L/999  
LL Defl -0.03" in A -D L/999  
Shear // Grain in C -C 0.41

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 0.66  
E MT20 3.0x 3.0 Ctr Ctr 0.34  
D MT20 2.0x 4.0 Ctr Ctr 0.26  
C MT20 2.0x 4.0 Ctr Ctr 0.28

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

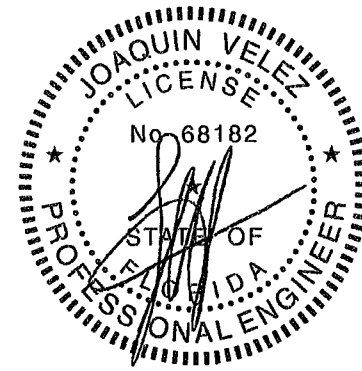
REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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: 120 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 527 Lbs  
Max tens. force 378 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.

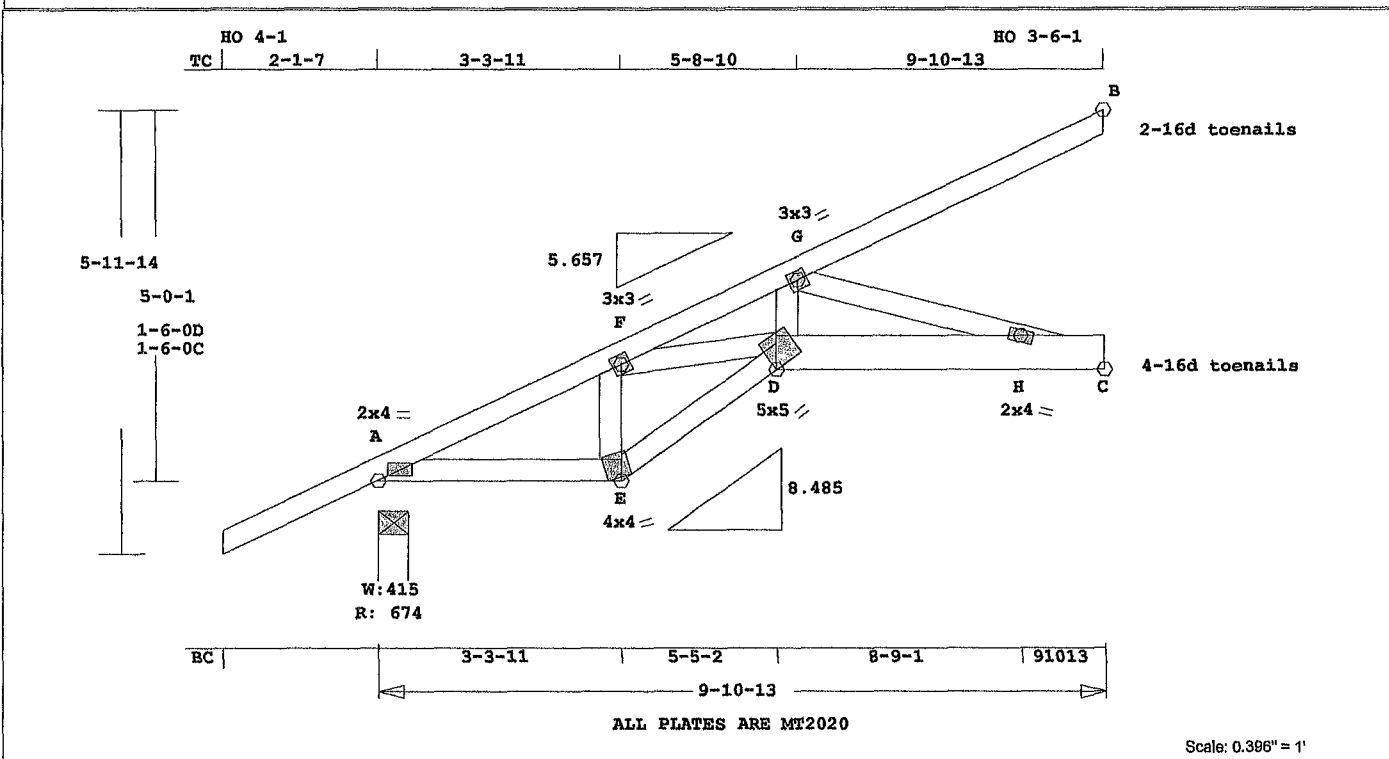


FL Cert. 6634

May 6, 2014

| Job         | Mark | Quan | Type | Span  | P1-H1 | Left OH | Right OH | Engineering |
|-------------|------|------|------|-------|-------|---------|----------|-------------|
| INN-CG-1503 | CJ2  | 1    | SP   | 91013 | 5.657 | 2- 1- 7 | 0        | T6295420    |

COTTAGE GROVE 1503



Online Plus -- Version 30 0.023  
RUN DATE 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB/ALSC UON  
CSI -Size- Lumber-----  
TC 0 54 2x 4 SP-#2  
BC 0 36 2x 6 SP-#2  
-- 0 34 2x 4 SP-#2  
A -E E -D  
WB 0 38 2x 4 SP-#2

Brace truss as follows.  
O C. From To  
TC Cont. 0- 0- 0 9- 7- 5  
or 48.0" 0- 0- 0 9- 7- 5  
BC Cont. 0- 0- 0 9- 7- 5  
or 99 3" 0- 0- 0 9- 7- 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 1.00 1.00 1.00 1.00  
BC 1.00 1.00 1.00 1.00

Total Load Reactions (Lbs)  
Jt Down Uplift Horiz-  
A 674 152 R  
C 472  
B 241 58 U 104 R

Jt Brg Size Required  
A 4.9" 1.5"  
C 3 5" 1.5"  
B 1 5" 1.5"

LC# 1 Standard Loading  
Dur Fctrs - Lbr 1.25 Plt 1.25  
plf - Dead Live\* From To  
TC V 20 40 0 0' 9 9'  
BC V 20 0 0 0' 9 9'  
TC V -5 -10 0 0' 9 9'  
BC V -5 50 0 0' 9 9'  
BC V -5 0 0 0' 9 9'

Plus 15 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 64 6 LBS

Membr CSI P Lbs Axl-CST-Bnd  
-----Top Chords-----  
A -F 0.08 771 C 0.00 0.08  
F -G 0.30 1501 C 0.08 0.22  
G -B 0.54 122 C 0.00 0.54  
-----Bottom Chords-----  
A -E 0.17 695 T 0.15 0.02  
E -D 0.34 821 T 0.18 0.16  
D -H 0.36 1310 T 0.21 0.15  
-----Webs-----  
E -F 0.04 376 C  
F -D 0.15 686 T  
D -G 0.13 584 T  
G -H 0.38 1355 C

TL Defl -0.09" in E -D L/999  
LL Defl -0.04" in E -D L/999  
Hz Disp LL DL TL  
Jt C 0.02" 0.02" 0.04"  
Shear // Grain in C -C 0.35

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 66  
F MT20 3.0x 3.0 Ctr Ctr 0 53  
G MT20 3.0x 3.0 Ctr Ctr 0 93  
E MT20 4.0x 4 0-0.8 2.5 0.65  
D MT20 5.0x 5.0 0.6-0.8 0.88  
H MT20 2.0x 4.0 Ctr Ctr 0.91

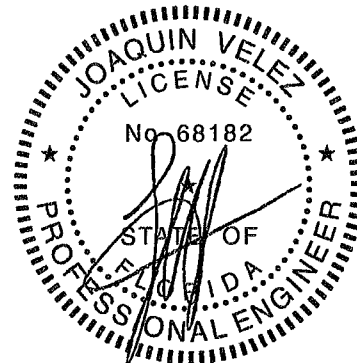
REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

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

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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: 120 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 1501 Lbs  
Max tens. force 1310 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.

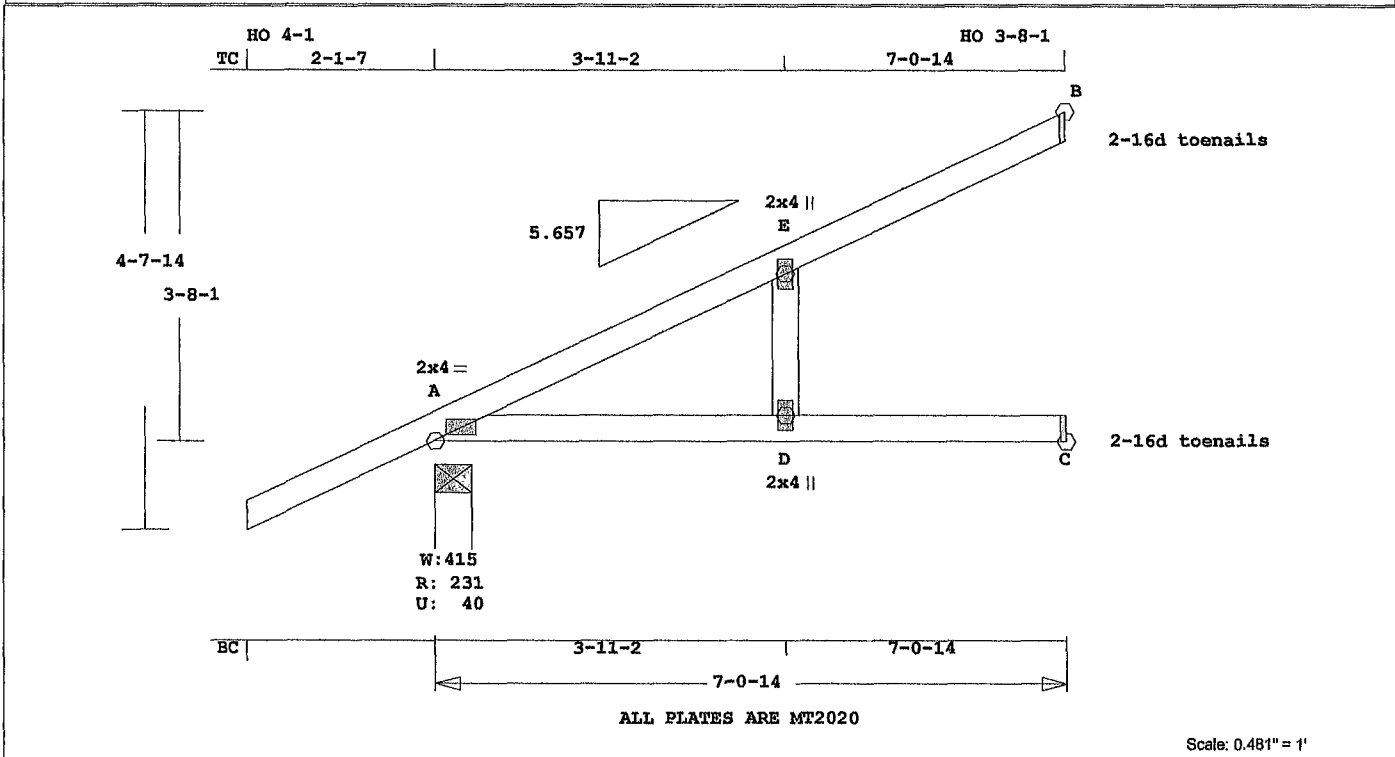


FL Cert. 6634

May 6, 2014

| Job                | Mark       | Quan | Type    | Span  | P1-H1 | Left OH | Right OH | Engineering     |
|--------------------|------------|------|---------|-------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>CJ3</b> | 2    | MONO.DD | 70014 | 5.657 | 2- 1- 7 | 0        | <b>T6295421</b> |

COTTAGE GROVE 1503



ALL PLATES ARE MT2020

Scale: 0.481" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

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

| TC   | BC   | WB   | CSI  | Size  | Lumber |
|------|------|------|------|-------|--------|
| 0.54 | 0.57 | 0.01 | 2x 4 | SP-#2 |        |

Brace truss as follows:

| TC    | BC     | WB     | O.C.    | From | To |
|-------|--------|--------|---------|------|----|
| 48 0" | 0 0- 0 | 0 0- 0 | 6- 9- 6 |      |    |

|        |                 |         |       |      |
|--------|-----------------|---------|-------|------|
| 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  | 232  | 40 U   | 52 R  |
| C  | 121  | 19 U   |       |
| B  | 164  | 43 U   | 35 R  |

| Jt | Brg Size | Required |
|----|----------|----------|
| A  | 4.9"     | 1.5"     |
| C  | 3.5"     | 1.5"     |
| B  | 1.5"     | 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' 7.1'   |
| BC V      | 20         | 0 0.0' 7.1'    |
| TC V      | -20        | -40 0.0' 7.1'  |
| BC V      | -20        | 0 0.0' 7.1'    |

Plus 15 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

MiTek® Online Plus™ APPROX TRUSS WEIGHT 35 9 LBS

| Membr | CSI  | P Lbs | Ax1-CSI-Bnd |
|-------|------|-------|-------------|
| A -E  | 0 52 | 127 C | 0.00 0.52   |
| E -B  | 0 54 | 110 C | 0.00 0.54   |
| A -D  | 0 57 | 0 T   | 0.00 0.57   |
| D -C  | 0 56 | 0 T   | 0.00 0.56   |
| D -E  | 0 01 | 136 C | WindLd      |

|                |                   |       |
|----------------|-------------------|-------|
| TL Defl        | -0.24" in A -D    | L/323 |
| LL Defl        | -0.09" in A -D    | L/809 |
| Hx Disp        | LL DL TL          |       |
| Jt B           | 0 02" 0.00" 0.02" |       |
| Shear // Grain | in E -B           | 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 JSI  
A MT20 2.0x 4.0 Ctr Ctr 0.66  
E MT20 2.0x 4.0 Ctr Ctr 0.12  
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.

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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

Girder King Jack  
Loading TC and BC  
Setback 5- 0- 0  
OH Loading  
Soffit psf 2.0

Design checked for 10 psf non-  
concurrent LL on BC.  
Use properly rated hangers for

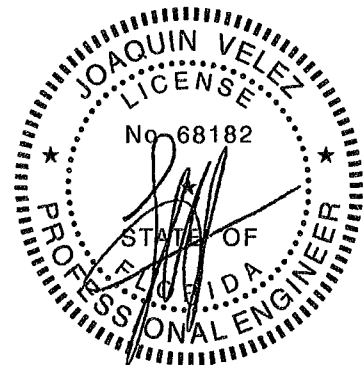
loads framing into girder  
truss.

Wind Loads - ANSI / ASCE 7-10

Truss is designed as  
Components and Claddings\*  
for Exterior zone location.  
Wind Speed: 120 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 7- 0-14

Max comp. force 136 Lbs  
Max tens. force 43 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.

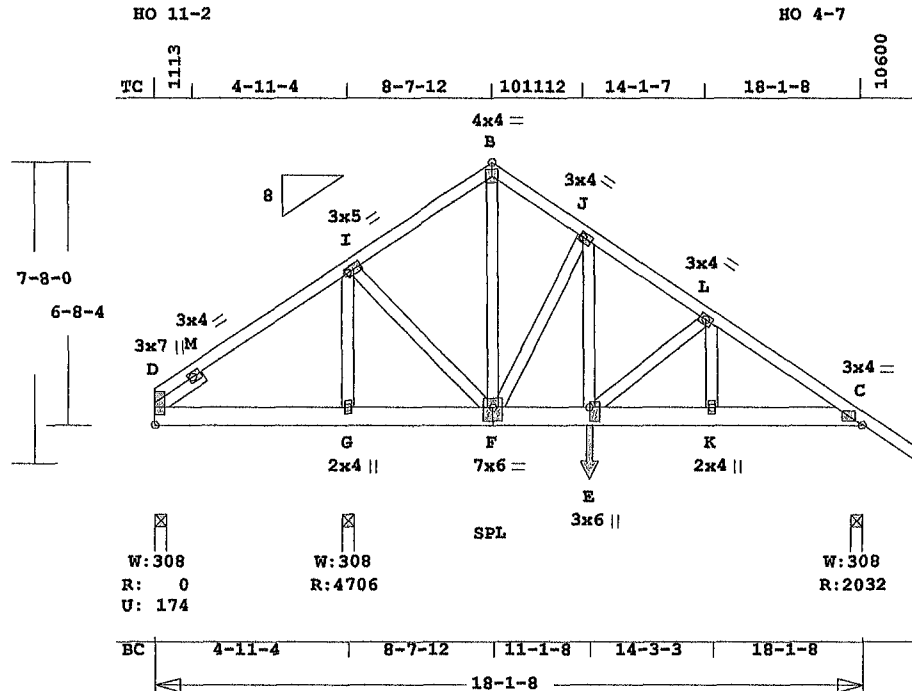


FL Cert. 6634

May 6, 2014

| Job                | Mark         | Quan        | Type      | Span          | P1-H1    | Left OH  | Right OH       | Engineering     |
|--------------------|--------------|-------------|-----------|---------------|----------|----------|----------------|-----------------|
| <b>INN-CG-1503</b> | <b>DIGIR</b> | <b>1*2P</b> | <b>TR</b> | <b>180108</b> | <b>8</b> | <b>0</b> | <b>1- 6- 0</b> | <b>T6295422</b> |

COTTAGE GROVE 1503



ALL PLATES ARE MT2020

Scale: 0.211" = 1'

Online Plus -- Version 30 0 023  
RUN DATE 06-MAY-14

\*\*\*\*\*  
\* 2-Ply Truss \*  
\*\*\*\*\*

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

CSI -Size- ---Lumber---  
TC 0 15 2x 4 SP-#2  
BC 0 38 2x 6 SP-#2  
WB 0 27 2x 4 SP-#2  
SL 0 01 2x 4 SP-#2

Brace truss as follows

| O C       | From             | To |
|-----------|------------------|----|
| TC Cont   | 0- 0- 0 18- 1- 8 |    |
| or 48 0"  | 0- 0- 0 18- 1- 8 |    |
| BC Cont   | 0- 0- 0 18- 1- 8 |    |
| or 120 0" | 0- 0- 0 18- 1- 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-  
D 175 8 90 R  
G 4706  
C 2032 90 R  
G = Gravity Uplift

| Jt | Brg Size | Required |
|----|----------|----------|
| D  | 3 5"     | 1 5"     |
| G  | 3 5"     | 2 5"     |
| C  | 3 5"     | 1 5"     |

LC# 1 Standard Loading  
Dur Fctrs - Lbr 1 25 Plt 1 25  
plf - Dead Live\* From To  
TC V 20 40 0 0' 18 1'  
BC V 20 0 0 0' 18 1'  
BC V 240 240 4.0' 10.0'  
BC V 1111 1111 11.1' CL-LB

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

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 154 9 LBS

Membr CSI P Lbs Axl-CST-Bnd

-----Top Chords-----

|      |      |        |      |      |
|------|------|--------|------|------|
| D -M | 0 06 | 411 T  | 0 04 | 0 02 |
| M -I | 0 15 | 363 T  | 0 04 | 0 11 |
| I -B | 0 11 | 1725 C | 0 00 | 0 11 |
| B -J | 0 04 | 1708 C | 0 00 | 0 04 |
| J -L | 0 09 | 2900 C | 0 02 | 0 07 |
| L -C | 0 07 | 3090 C | 0 02 | 0 05 |
| D -G | 0 28 | 296 C  | 0 00 | 0 28 |
| G -F | 0 28 | 296 C  | 0 00 | 0 28 |
| F -E | 0 38 | 2411 T | 0 19 | 0 19 |
| E -K | 0 28 | 2567 T | 0 20 | 0 08 |
| K -C | 0 24 | 2567 T | 0 20 | 0 04 |

-----Bottom Chords-----

|      |      |        |
|------|------|--------|
| G -I | 0 22 | 3096 C |
| I -F | 0 27 | 2396 T |
| F -B | 0 19 | 1726 T |
| B -J | 0 22 | 2084 C |
| J -L | 0 26 | 2360 T |
| E -L | 0 01 | 208 C  |
| K -L | 0 01 | 109 T  |

-----Webs-----

|      |      |       |
|------|------|-------|
| D -M | 0 01 | 206 C |
|------|------|-------|

TL Defl -0 07" in E -K L/999  
LL Defl -0 03" in E -K L/999  
Shear // Grain in G -F 0 40

Plates for each ply each face

|              |                            |
|--------------|----------------------------|
| Plate - MT20 | 20 Ga, Gross Area          |
| Plate - MT2H | 20 Ga, Gross Area          |
| Jt Type      | Plt Size X Y JGI           |
| D            | MT20 3 0x 7 0 1 5 0 5 0 78 |
| M            | MT20 3 0x 4 0 Ctr Ctr 0 10 |
| I            | MT20 3 0x 5 0 Ctr Ctr 0 85 |
| B            | MT20 4 0x 4 0 Ctr Ctr 0 45 |
| J            | MT20 3 0x 4 0 0 8-0.6 0 77 |
| L            | MT20 3 0x 4 0 Ctr Ctr 0 25 |
| C            | MT20 3 0x 4 0 Ctr Ctr 0 89 |
| G            | MT20 2.0x 4 0 Ctr Ctr 0 40 |
| F            | MT20 7.0x 6 0 Ctr-0.8 0 81 |
| E            | MT20 3 0x 6 0 Ctr-1 3 0 96 |
| K            | MT20 2.0x 4 0 Ctr Ctr 0.17 |

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

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

Plus clusters of nails where  
shown

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 120 mph

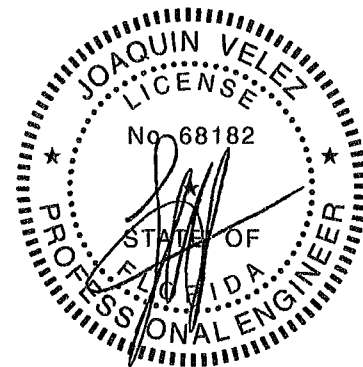
Risk Category II  
Mean Roof Height 15-0  
Exposure Category B  
Building Type Enclosed

TC Dead Load 6 0 psf  
BC Dead Load: 6 0 psf

User-defined wind-exposed BC  
regions --From-- --To--  
0- 0- 0 4-11- 4

Max comp. force 3096 lbs  
Max tens. force 2567 lbs  
Connector Plate Fabrication  
Tolerance = 20%

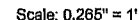
This truss is designed for a  
creep factor of 1.5 which  
is used to calculate total  
load deflection



FL Cert. 6634

May 6, 2014

COTTAGE GROVE 1503



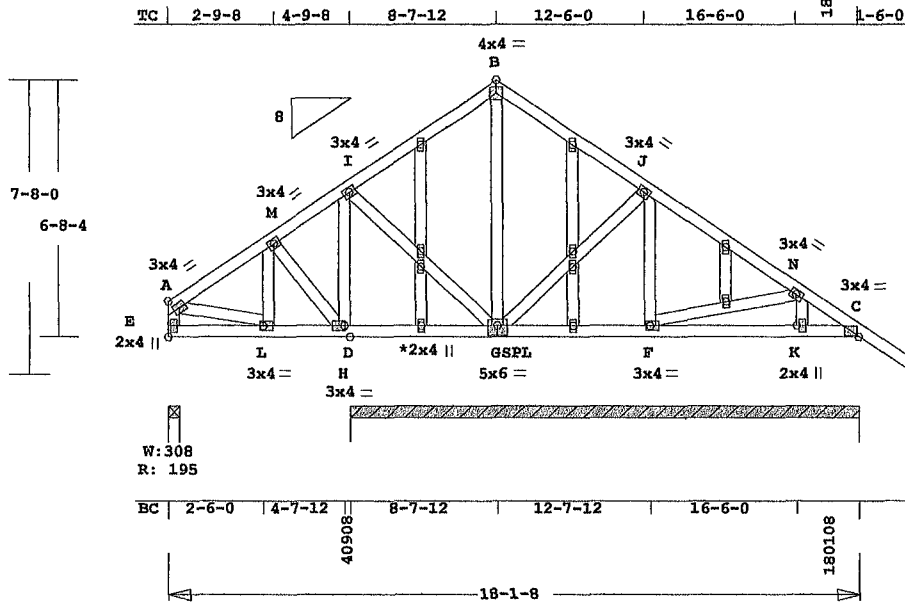
Online Plus™ © Copyright MITek® 1996-2013 Version 30.0.023 Engineering - Portrait 5/6/2014 12:27:04 PM Page 1

| Job         | Mark | Quan | Type | Span   | P1-H1 | Left OH | Right OH | Engineering |
|-------------|------|------|------|--------|-------|---------|----------|-------------|
| INN-CG-1503 | D3GE | 1    | TR   | 180108 | 8     | 0       | 1- 6- 0  | T6295424    |

COTTAGE GROVE 1503

HO 11-2

HO 4-7



ALL PLATES ARE MT2020  
See \* For Typical Gable Plate Size and Placement

Scale: 0.206" = 1'

Online Plus -- Version 30.0.023  
RUN DATE 06-MAY-14

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 0.09 2x 4 SP-#2  
WB 0.14 2x 4 SP-#2

Brace truss as follows:  
O.C From To  
TC Cont 0- 0- 0 18- 1- 8  
or 48 0"  
BC Cont 0- 0- 0 18- 1- 8  
or 120 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-  
E 196 101 R  
H 1350 93 R

Jt Brg Size Required  
E 3.5" 1.5"  
H 160 0" 58"-to- 218"

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 -M                    | 0.07 | 116 | C   | 0.00 | 0.07    |
| M -I                    | 0.12 | 33  | C   | 0.00 | 0.12    |
| I -B                    | 0.13 | 56  | C   | 0.00 | 0.13    |
| B -J                    | 0.17 | 59  | C   | 0.00 | 0.17    |
| J -N                    | 0.17 | 57  | C   | 0.00 | 0.17    |
| N -C                    | 0.10 | 31  | C   | 0.00 | 0.10    |
| -----Bottom Chords----- |      |     |     |      |         |
| E -L                    | 0.04 | 94  | T   | 0.00 | 0.04    |
| L -H                    | 0.07 | 135 | T   | 0.01 | 0.06    |
| H -G                    | 0.09 | 64  | T   | 0.00 | 0.09    |
| G -F                    | 0.09 | 61  | T   | 0.00 | 0.09    |
| F -K                    | 0.09 | 32  | T   | 0.00 | 0.09    |
| K -C                    | 0.06 | 32  | T   | 0.00 | 0.06    |
| -----Webs-----          |      |     |     |      |         |

Mitek® Online Plus™ APPROX TRUSS WEIGHT 167 0 LBS

|      |      |     |   |        |
|------|------|-----|---|--------|
| E -A | 0.01 | 169 | C | WindLd |
| A -L | 0.02 | 105 | T |        |
| L -M | 0.01 | 67  | T |        |
| M -H | 0.02 | 119 | C |        |
| H -I | 0.04 | 186 | C |        |
| I -G | 0.02 | 62  | T |        |
| G -B | 0.14 | 205 | C |        |
| B -J | 0.04 | 84  | C |        |
| J -F | 0.05 | 202 | C |        |
| F -N | 0.00 | 40  | T |        |
| K -N | 0.02 | 209 | C |        |

TL Defl 0.00" in E -L L/999  
LL Defl 0.00" in E -L L/999  
Shear // Grain in B -J 0.14

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  
M MT20 3.0x 4.0 Ctr Ctr 0.50  
I MT20 3.0x 4.0 Ctr Ctr 0.50  
B MT20 4.0x 4.0 Ctr Ctr 0.42  
J MT20 3.0x 4.0 Ctr Ctr 0.50  
N MT20 3.0x 4.0 Ctr Ctr 0.50  
C MT20 3.0x 4.0 Ctr Ctr 0.49  
E MT20 2.0x 4.0 Ctr Ctr 0.30  
L MT20 3.0x 4.0-0.7 0 1 0.66  
H MT20 3.0x 4.0 Ctr Ctr 0.41  
G MT20 5.0x 6.0 Ctr-0 5 0 50  
F MT20 3.0x 4.0 0.7 0 1 0.66  
K MT20 2.0x 4.0 Ctr Ctr 0.34

5 Gable studs to be attached  
with 2.0x4.0 plates each end.  
REVIEWED BY:  
Mitek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

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

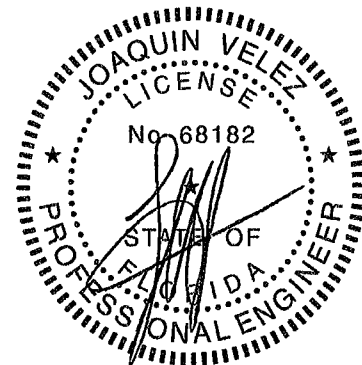
NOTES:  
Trusses Manufactured by:  
Mayo Truss Co Inc.  
Analysis Conforms To:  
FEC2010  
TPI 2007

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: 120 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 209 Lbs  
Max tens. force 135 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.

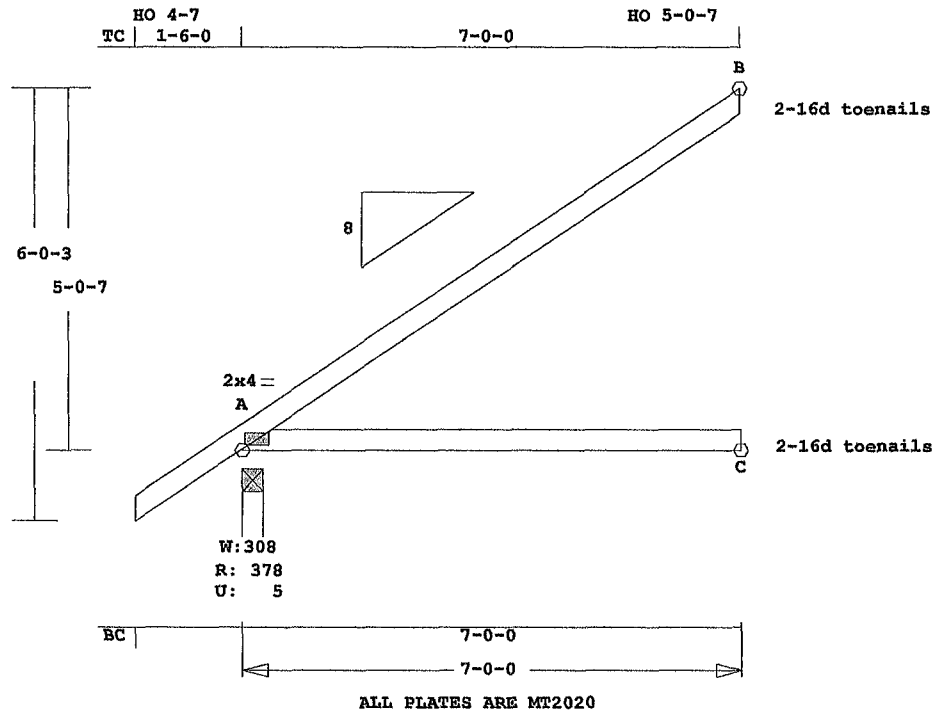


FL Cert. 6634

May 6, 2014

| Job                | Mark      | Quan | Type | Span  | P1-H1 | Left OH | Right OH | Engineering     |
|--------------------|-----------|------|------|-------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>J1</b> | 18   | JCA2 | 70000 | 8     | 1- 6- 0 | 0        | <b>T6295425</b> |

COTTAGE GROVE 1503



Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

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

CSI -Size- ----Lumber-----  
TC 0.76 2x 4 SP-#2  
BC 0.48 2x 4 SP-#2

Brace truss as follows:

| O.C.     | From    | To      |
|----------|---------|---------|
| TC Cont. | 0- 0- 0 | 7- 0- 0 |
| or 48.0" | 0- 0- 0 | 7- 0- 0 |
| BC Cont. | 0- 0- 0 | 7- 0- 0 |
| or 84.0" | 0- 0- 0 | 7- 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            | 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  | 379  | 6 U    | 101 R |
| C  | 133  |        |       |
| B  | 188  | 55 U   | 69 R  |

| Jt | Brg Size | Required |
|----|----------|----------|
| A  | 3.5"     | 1.5"     |
| C  | 3.5"     | 1.5"     |
| B  | 1.5"     | 1.5"     |

Plus 18 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                    | 0.76 | 85 C  | 0.00 | 0.76    |
| -----Bottom Chords----- |      |       |      |         |

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 32 9 LBS

A -C 0.48 0 T 0.00 0.48

TL Defl -0.22" in A -C L/355  
LL Defl -0.09" in A -C L/883  
Shear // Grain in A -B 0.22

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

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

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

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2010

TPI 2007

OH Loading

Soffit psf 2.0

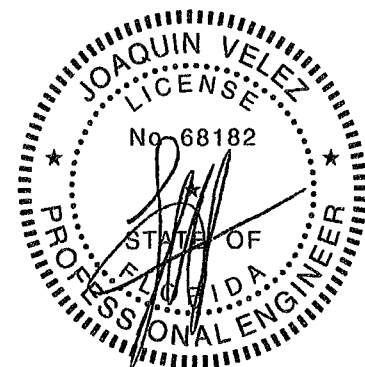
This truss has been designed  
for 20.0 psf LL on the B.C.  
in areas where a rectangle  
3- 6- 0 tall by  
2- 0- 0 wide  
will fit between the B.C.  
and any other member.

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: 120 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 85 Lbs  
Max tens. force 67 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.

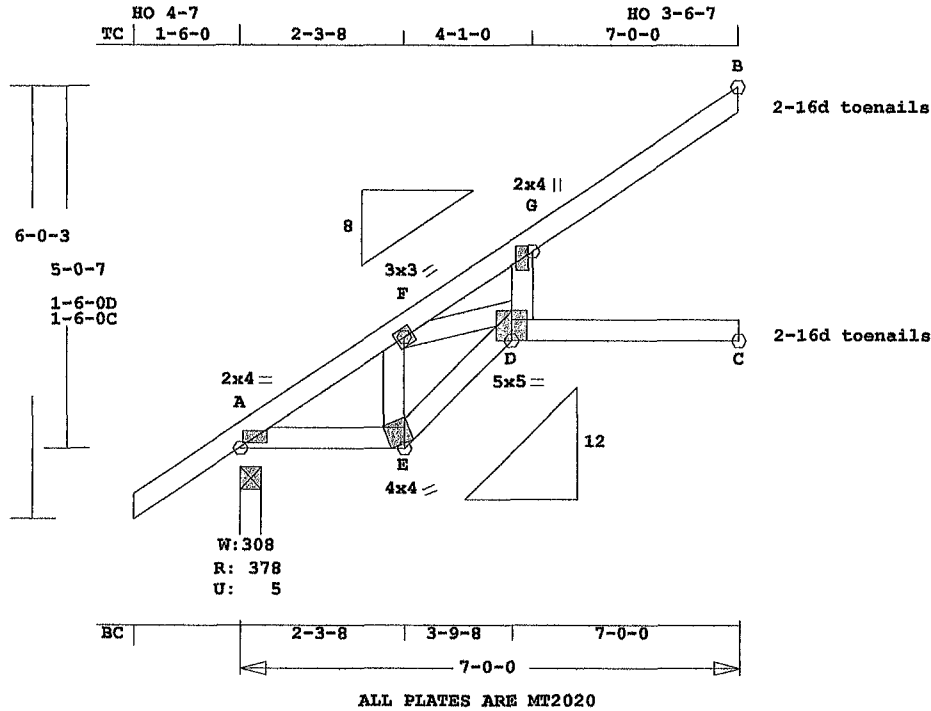


FL Cert. 6634

May 6, 2014

| Job                | Mark       | Quan     | Type      | Span         | P1-H1    | Left OH        | Right OH | Engineering     |
|--------------------|------------|----------|-----------|--------------|----------|----------------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>JIA</b> | <b>2</b> | <b>SP</b> | <b>70000</b> | <b>8</b> | <b>1- 6- 0</b> | <b>0</b> | <b>T6295426</b> |

COTTAGE GROVE 1503



Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---  
TC 0.46 2x 4 SP-#2  
BC 0.57 2x 4 SP-#2  
WB 0.03 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 6- 8- 8  
or 48.0" 0- 0- 0 6- 8- 8  
BC Cont. 0- 0- 0 6- 8- 8  
or 84.0" 0- 0- 0 6- 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 379 6 U 101 R  
C 120  
B 165 36 U 69 R

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

Plus 18 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 -F 0.08 352 C 0.00 0.08  
F -G 0.41 109 C 0.00 0.41  
G -B 0.46 74 T 0.01 0.45  
-----Bottom Chords-----

MiTek® Online Plus™ APPROX TRUSS WEIGHT 41 8 LBS

A -E 0.11 313 T 0.06 0.05  
E -D 0.57 309 T 0.06 0.51  
D -C 0.55 0 T 0.00 0.55  
-----Webs-----  
E -F 0.00 72 C  
F -D 0.03 304 C  
D -G 0.02 132 T WindLd

TL Defl -0.23" in E -D L/341  
LL Defl -0.09" in E -D L/846  
Hz Disp LL DL TL  
Jt C 0.04" 0.05" 0.09"  
Shear // Grain in F -G 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 JSI  
A MT20 2.0x 4.0 Ctr Ctr 0.59  
F MT20 3.0x 3.0 Ctr Ctr 0.33  
G MT20 2.0x 4.0 Ctr Ctr 0.12  
E MT20 4.0x 4.0-1.1 2.6 0.33  
D MT20 5.0x 5.0 Ctr-1.0 0.94

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

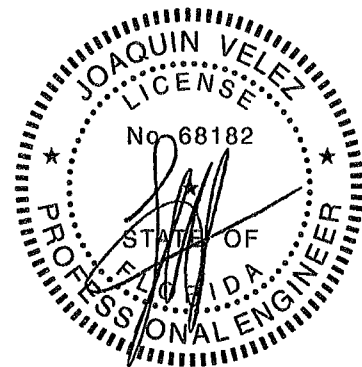
REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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

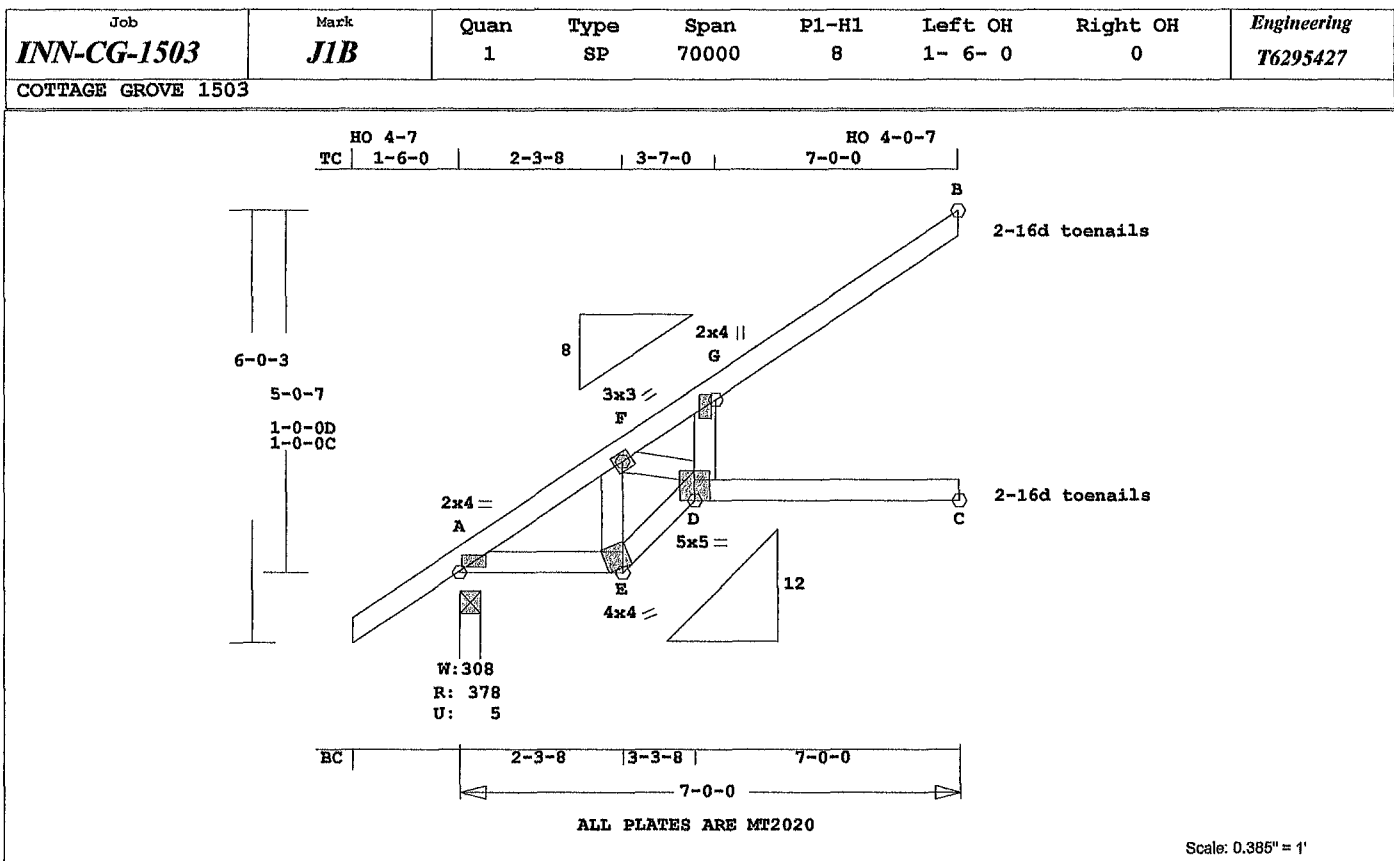
OH Loading  
Soffit psf 2.0  
This truss has been designed  
for 20.0 psf LL on the B.C.  
in areas where a rectangle  
3- 6- 0 tall by

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: 120 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 352 Lbs  
Max tens. force 313 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

May 6, 2014



Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- ---Lumber---  
TC 0.49 2x 4 SP-#2  
BC 0.59 2x 4 SP-#2  
WB 0.03 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 6- 8- 8  
or 48.0" 0- 0- 0 6- 8- 8  
BC Cont. 0- 0- 0 6- 8- 8  
or 84.0" 0- 0- 0 6- 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 379 6 U 101 R  
C 123  
B 167 39 U 69 R

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

Plus 18 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 -F 0.05 345 C 0.00 0.05  
F -G 0.38 116 C 0.00 0.38  
G -B 0.49 73 T 0.00 0.49  
-----Bottom Chords-----

MiTek® Online Plus™ APPROX TRUSS WEIGHT 40 6 LBS

A -E 0.10 302 T 0.05 0.05  
E -D 0.54 228 T 0.04 0.50  
D -C 0.59 0 T 0.00 0.59  
-----Webs-----  
E -F 0.00 36 T  
F -D 0.03 316 C  
D -G 0.02 159 T WindLd  
TL Defl -0.24" in D -C L/315  
LL Defl -0.10" in D -C L/774  
Hz Disp LL DL TL  
Jt C 0.03" 0.05" 0.08"  
Shear // Grain in E -D 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 0.59  
F MT20 3.0x 3.0 Ctr Ctr 0.33  
G MT20 2.0x 4.0 Ctr Ctr 0.13  
E MT20 4.0x 4.0-1.1 2.6 0.55  
D MT20 5.0x 5.0 Ctr-1.0 0.99

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

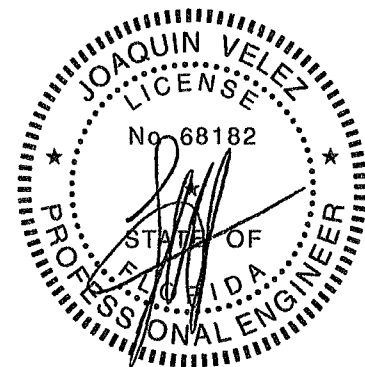
REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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: 120 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 345 Lbs  
Max tens. force 302 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.

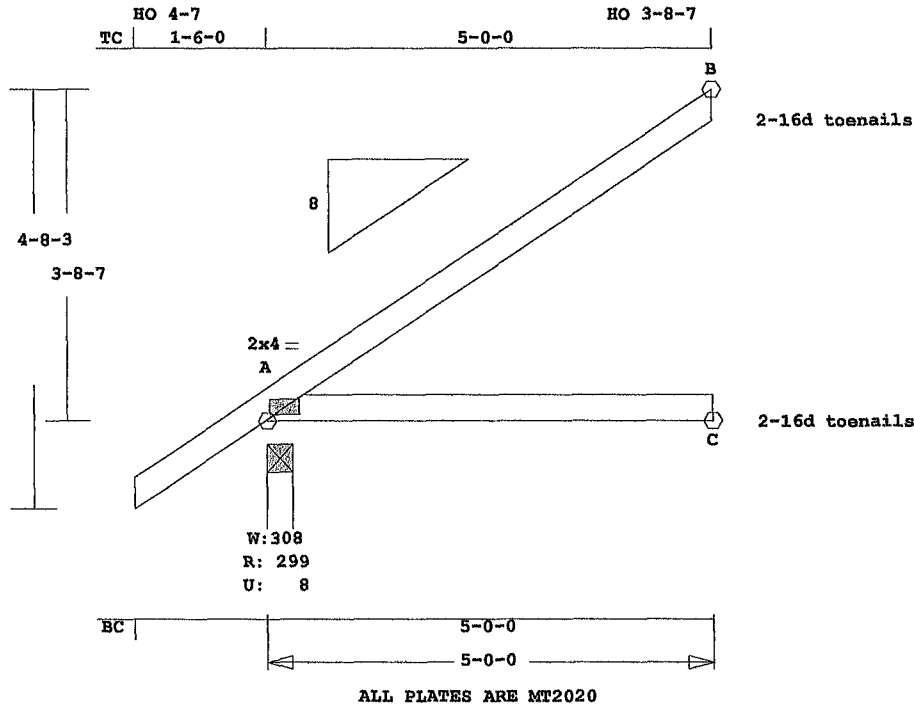


FL Cert. 6634

May 6, 2014

| Job                | Mark       | Quan | Type | Span  | P1-H1 | Left OH | Right OH | Engineering     |
|--------------------|------------|------|------|-------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>JIC</b> | 9    | JCA2 | 50000 | 8     | 1- 6- 0 | 0        | <b>T6295428</b> |

COTTAGE GROVE 1503



Scale: 0.479" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

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

CSI -Size- ----Lumber----  
TC 0.32 2x 4 SP-#2  
BC 0.31 2x 4 SP-#2

Brace truss as follows:

| O.C.     | From    | To      |
|----------|---------|---------|
| TC Cont. | 0- 0- 0 | 5- 0- 0 |
| or 48.0" | 0- 0- 0 | 5- 0- 0 |
| BC Cont. | 0- 0- 0 | 5- 0- 0 |
| or 60.0" | 0- 0- 0 | 5- 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            | 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 300 9 U 73 R  
C 95 14 U  
B 133 44 U 49 R

| Jt | Brg Size | Required |
|----|----------|----------|
| A  | 3.5"     | 1.5"     |
| C  | 3.5"     | 1.5"     |
| B  | 1.5"     | 1.5"     |

Plus 18 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 0.32 74 C 0.01 0.31  
-----Bottom Chords-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 24 6 LBS

A -C 0.31 0 T 0.00 0.31

TL Defl -0.05" in A -C L/999  
LL Defl -0.02" in A -C L/999  
Shear // Grain in A -C 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 2.0x 4.0 Ctr Ctr 0.59

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

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

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

NOTES:

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

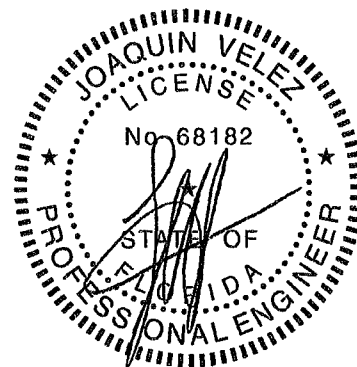
FBC2010  
TPI 2007

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: 120 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 5- 0- 0  
Max comp. force 74 lbs  
Max tens. force 38 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.

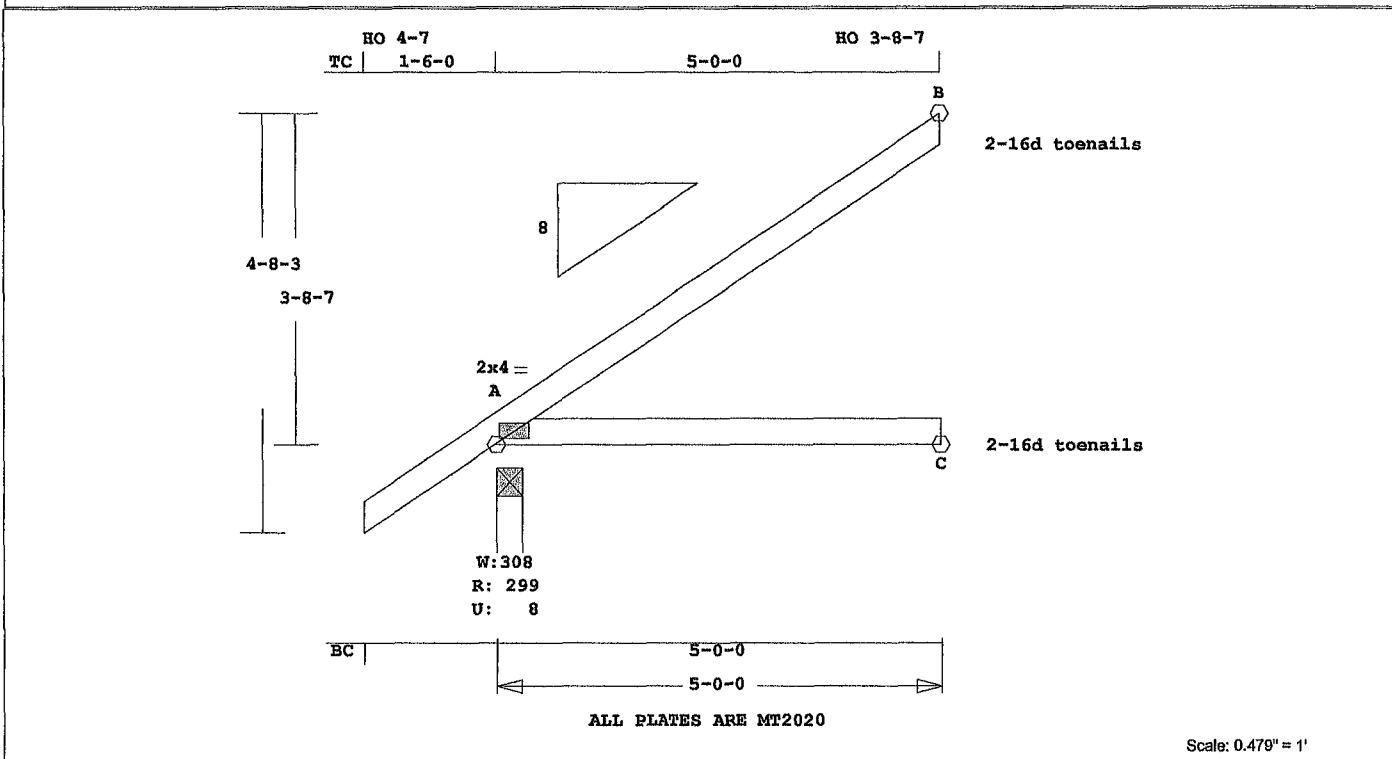


FL Cert. 6634

May 6, 2014

| Job                | Mark      | Quan | Type | Span  | Pl-H1 | Left OH | Right OH | Engineering     |
|--------------------|-----------|------|------|-------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b> | <b>J2</b> | 2    | JCA2 | 50000 | 8     | 1- 6- 0 | 0        | <b>T6295429</b> |

COTTAGE GROVE 1503



Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- ----Lumber----  
TC 0.32 2x 4 SP-#2  
BC 0.22 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 5- 0- 0  
or 48.0" 0- 0- 0 5- 0- 0  
BC Cont. 0- 0- 0 5- 0- 0  
or 60.0" 0- 0- 0 5- 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 300 9 U 72 R  
C 95  
B 133 40 U 49 R

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

Plus 18 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 0.32 62 C 0.01 0.31  
-----Bottom Chords-----

MiTek® Online Plus™ APPROX TRUSS WEIGHT 24 6 LBS  
A -C 0.22 0 T 0.00 0.22

TL Defl -0.05" in A -C L/999  
LL Defl -0.02" in A -C L/999  
Shear // Grain in A -B 0.15

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

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

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

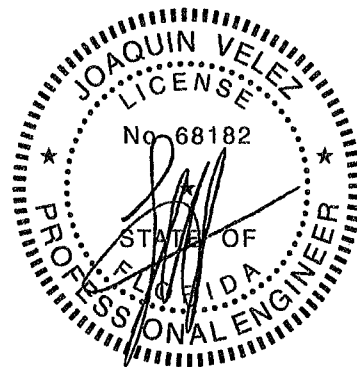
For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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.

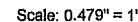
Wind Speed: 120 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 62 lbs  
Max tens. force 49 lbs  
Connector Plate Fabrication  
Tolerance = 20%  
This truss is designed for a  
creep factor of 1.5 which  
is used to calculate total  
load deflection.



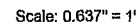
FL Cert. 6634

May 6, 2014

COTTAGE GROVE 1503



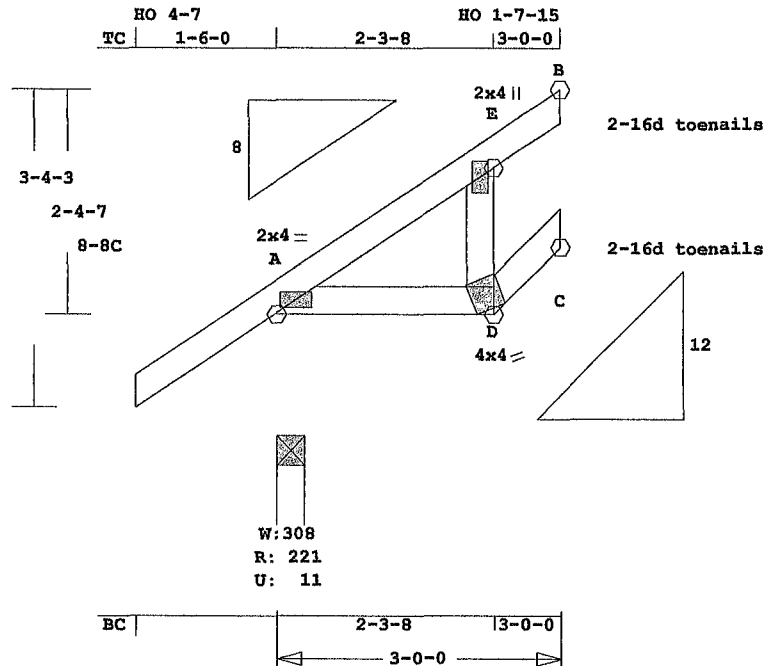
COTTAGE GROVE 1503



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| Job         | Mark | Quan | Type | Span  | P1-H1 | Left OH | Right OH | Engineering |
|-------------|------|------|------|-------|-------|---------|----------|-------------|
| INN-CG-1503 | J3A  | 2    | SP   | 30000 | 8     | 1- 6- 0 | 0        | T6295432    |

COTTAGE GROVE 1503



Scale: 0.509" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

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

| TC   | BC   | WB   | CSI  | Size  | Lumber |
|------|------|------|------|-------|--------|
| 0.06 | 0.07 | 0.00 | 2x 4 | SP-#2 |        |
|      |      |      | 2x 4 | SP-#2 |        |
|      |      |      | 2x 4 | SP-#2 |        |

Brace truss as follows:

| O.C.     | From    | To      |
|----------|---------|---------|
| TC Cont. | 0- 0- 0 | 2- 8- 8 |
| or 36.0" | 0- 0- 0 | 2- 8- 8 |
| BC Cont. | 0- 0- 0 | 2- 8- 8 |
| or 36.0" | 0- 0- 0 | 2- 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  | 222  | 11 U   | 43 R   |
| C  | 68   | 5 U    |        |
| B  | 49   | 8 U    | 29 R   |

| Jt | Brg Size | Required |
|----|----------|----------|
| A  | 3.5"     | 1.5"     |
| C  | 3.5"     | 1.5"     |
| B  | 1.5"     | 1.5"     |

Plus 18 Wind Load Case(s)  
Plus 1 UBC LL Load Case(s)  
Plus 1 DL Load Case(s)

| Membr | CSI  | P Lbs | Ax1-CSI-Bnd |
|-------|------|-------|-------------|
| A -E  | 0.06 | 45 C  | 0.00 0.06   |
| E -B  | 0.02 | 34 T  | 0.00 0.02   |

MiTek® Online Plus™ APPROX TRUSS WEIGHT: 19.7 LBS

| Bottom Chords  |         |         |           |
|----------------|---------|---------|-----------|
| A -D           | 0.07    | 4 T     | 0.00 0.07 |
| D -C           | 0.06    | 43 T    | 0.00 0.06 |
| Webs           |         |         |           |
| D -E           | 0.00    | 47 C    | WindLd    |
| TL Defl        | -0.01"  | in A -D | L/999     |
| LL Defl        | 0.00"   | in A -D | L/999     |
| Hz Disp        | LL      | DL      | TL        |
| Jt C           | 0.00"   | 0.00"   | 0.01"     |
| Shear // Grain | in A -E | 0.06    |           |

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  
E MT20 2.0x 4.0 Ctr Ctr 0.13  
D MT20 4.0x 4.0-1.1 2.6 0.55

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

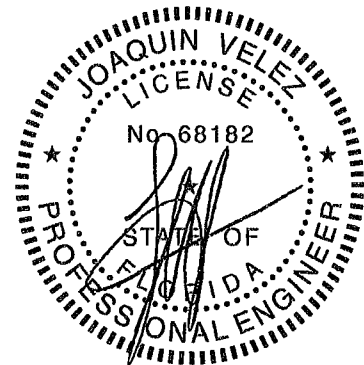
REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

For proper installation of  
toe-nails, refer to the 2005  
National Design Specification  
(NDS) for Wood Construction

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.

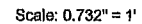
and any other member.  
Design checked for 10 psf non-  
concurrent LL on BC.  
Wind Loads - ANSI / ASCE 7-10  
Truss is designed as  
Components and Claddings\*  
for Exterior zone location.  
Wind Speed: 120 mph  
Risk Category : II  
Mean Roof Height: 15-0  
Exposure Category: B  
Building Type: Enclosed  
TC Dead Load: 6.0 psf  
BC Dead Load: 6.0 psf  
Max comp. force 47 Lbs  
Max tens. force 43 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

May 6, 2014

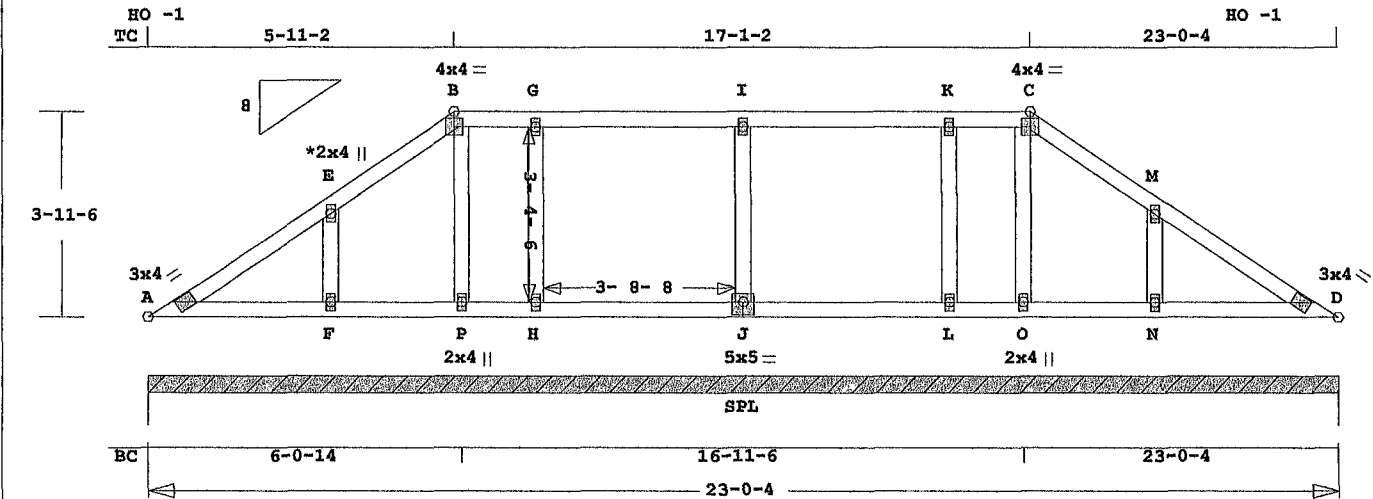
COTTAGE GROVE 1503



A circular professional engineer seal for Joaquin Velez. The outer ring contains the text "JOAQUIN VELEZ" 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. 68182" and a stylized signature of Joaquin Velez.

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| Job                       | Mark      | Quan | Type    | Span   | Pl-H1 | Left OH | Right OH | Engineering     |
|---------------------------|-----------|------|---------|--------|-------|---------|----------|-----------------|
| <b>INN-CG-1503</b>        | <b>VI</b> | 1    | VLHP.SB | 230004 | 8     | 0       | 0        | <b>T6295434</b> |
| <b>COTTAGE GROVE 1503</b> |           |      |         |        |       |         |          |                 |



ALL PLATES ARE MT2020  
See Joint E For Typical Gable Plate Size and Placement

Scale: 0.279" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

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  | 0.10   | 2x 4 SP-#2       |
| WB  | 0.01   | 2x 4 SP-#2       |
| GW  | 0.07   | 2x 4 SP-#2       |

| Brace truss as follows: |         |          |  |
|-------------------------|---------|----------|--|
| O.C.                    | From    | To       |  |
| TC Cont.                | 0- 0- 0 | 23- 0- 4 |  |
| or 48.0"                | 0- 0- 0 | 23- 0- 4 |  |
| BC Cont.                | 0- 0- 0 | 23- 0- 4 |  |
| or 72.0"                | 0- 0- 0 | 23- 0- 4 |  |

| 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                          | 1764 | 56 R          |

| Jt | Brg Size | Required    |
|----|----------|-------------|
| A  | 276.2"   | 0"-to- 276" |

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 -E                    | 0.09 | 47 C  | 0.00 | 0.09    |
| E -B                    | 0.09 | 39 C  | 0.00 | 0.09    |
| B -G                    | 0.10 | 45 C  | 0.00 | 0.10    |
| G -I                    | 0.17 | 45 C  | 0.00 | 0.17    |
| I -K                    | 0.17 | 45 C  | 0.00 | 0.17    |
| K -C                    | 0.10 | 45 C  | 0.00 | 0.10    |
| C -M                    | 0.09 | 39 C  | 0.00 | 0.09    |
| M -D                    | 0.09 | 47 C  | 0.00 | 0.09    |
| -----Bottom Chords----- |      |       |      |         |

MiTek® Online Plus™ APPROX TRUSS WEIGHT\* 128 0 LBS

|      |      |     |      |      |
|------|------|-----|------|------|
| A -F | 0.06 | 1 C | 0.00 | 0.06 |
| F -P | 0.05 | 0 T | 0.00 | 0.05 |
| P -H | 0.06 | 0 T | 0.00 | 0.06 |
| H -J | 0.10 | 0 T | 0.00 | 0.10 |
| J -L | 0.10 | 0 T | 0.00 | 0.10 |
| L -O | 0.06 | 0 T | 0.00 | 0.06 |
| O -N | 0.05 | 0 T | 0.00 | 0.05 |
| N -D | 0.06 | 1 C | 0.00 | 0.06 |

| -----Webs-----       |      |       |  |
|----------------------|------|-------|--|
| P -B                 | 0.01 | 59 C  |  |
| O -C                 | 0.01 | 60 C  |  |
| -----Gable Webs----- |      |       |  |
| F -E                 | 0.02 | 189 C |  |
| H -G                 | 0.05 | 184 C |  |
| J -I                 | 0.07 | 258 C |  |
| L -K                 | 0.05 | 183 C |  |
| N -M                 | 0.02 | 190 C |  |

|          |       |         |       |
|----------|-------|---------|-------|
| TL Defl  | 0.00" | in J -L | L/999 |
| LL Defl  | 0.00" | in H -J | L/999 |
| Shear // | Grain | in G -I | 0.16  |

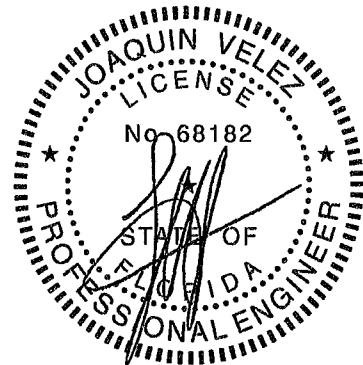
| Plates for each ply each face. |          |          |            |      |
|--------------------------------|----------|----------|------------|------|
| Plate -                        | MT20     | 20 Ga,   | Gross Area |      |
| Plate -                        | MT2H     | 20 Ga,   | Gross Area |      |
| Jt Type                        | Plt Size | X Y      | JSI        |      |
| A                              | MT20     | 3.0x 4.0 | Ctr Ctr    | 0.49 |
| E                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.00 |
| B                              | MT20     | 4.0x 4.0 | Ctr Ctr    | 0.58 |
| 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 |
| C                              | MT20     | 4.0x 4.0 | Ctr Ctr    | 0.58 |
| M                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.00 |
| D                              | MT20     | 3.0x 4.0 | Ctr Ctr    | 0.49 |
| F                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.00 |
| P                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.34 |
| H                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.00 |
| J                              | MT20     | 5.0x 5.0 | Ctr-0.5    | 0.39 |
| L                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.00 |
| O                              | MT20     | 2.0x 4.0 | Ctr Ctr    | 0.34 |
| N                              | 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  
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: 120 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 258 Lbs  
Max tens. force 97 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.

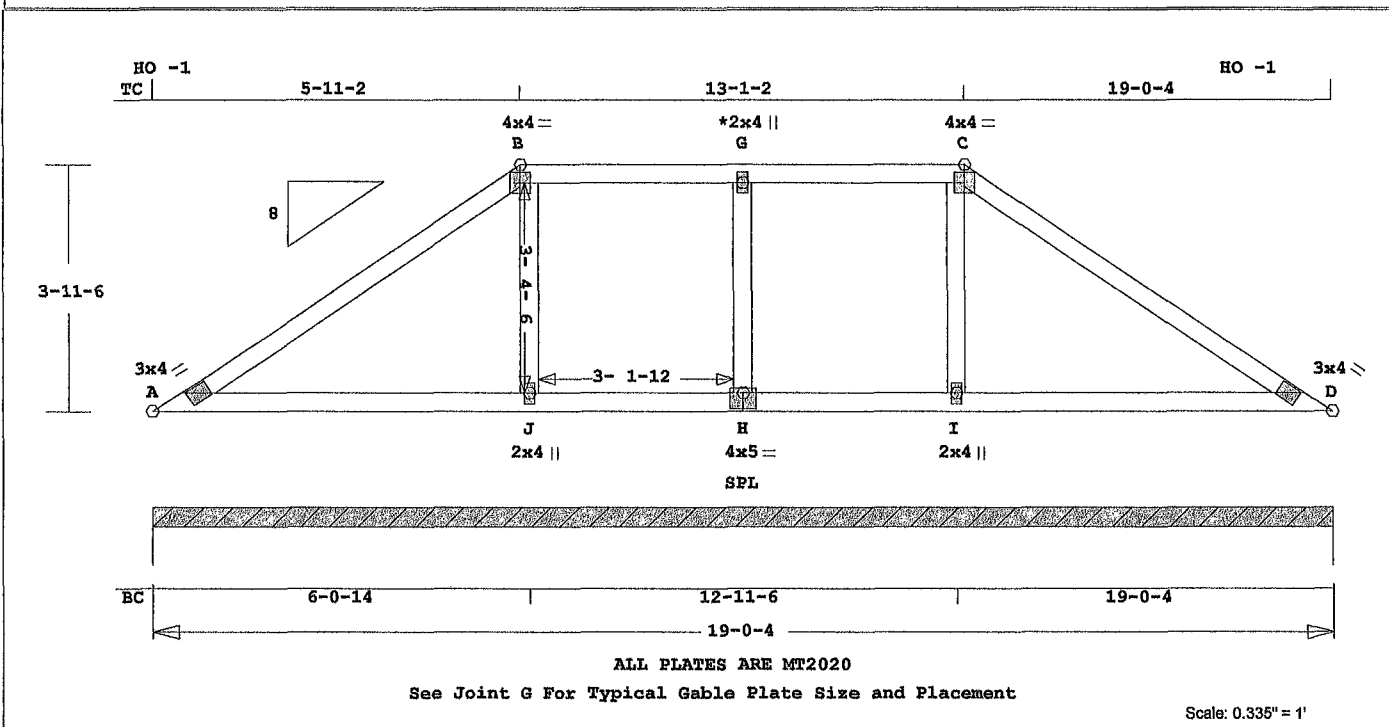


FL Cert. 6634

May 6, 2014

| Job         | Mark | Quan | Type    | Span   | P1-H1 | Left OH | Right OH | Engineering |
|-------------|------|------|---------|--------|-------|---------|----------|-------------|
| INN-CG-1503 | V2   | 1    | VLHP.SB | 190004 | 8     | 0       | 0        | T6295435    |

COTTAGE GROVE 1503



Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

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

CSI -Size- ---Lumber---  
TC 0.35 2x 4 SP-#2  
BC 0.26 2x 4 SP-#2  
WB 0.03 2x 4 SP-#2  
GW 0.05 2x 4 SP-#2

Brace truss as follows:

| O.C.     | From    | To       |
|----------|---------|----------|
| TC Cont. | 0- 0- 0 | 19- 0- 4 |
| or 48.0" | 0- 0- 0 | 19- 0- 4 |
| BC Cont. | 0- 0- 0 | 19- 0- 4 |
| or 72.0" | 0- 0- 0 | 19- 0- 4 |

| 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 1444 55 R

Jt Brg Size Required  
A 228.2" 0"-to- 228"

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 -B                    | 0.35 | 229 C | 0.00 0.35   |
| B -G                    | 0.13 | 209 C | 0.00 0.13   |
| G -C                    | 0.13 | 209 C | 0.00 0.13   |
| C -D                    | 0.35 | 229 C | 0.00 0.35   |
| -----Bottom Chords----- |      |       |             |

MiTek® Online Plus™ APPROX TRUSS WEIGHT 93 4 LBS

|      | A -J | 0.26 | 1 C  | 0.00 | 0.26 |
|------|------|------|------|------|------|
| J -H | 0.18 | 0 T  | 0.00 | 0.18 |      |
| H -I | 0.18 | 0 T  | 0.00 | 0.18 |      |
| I -D | 0.26 | 1 C  | 0.00 | 0.26 |      |

|      | J -B                | 0.03  | 155 C |
|------|---------------------|-------|-------|
| I -C | 0.03 <td>155 C</td> | 155 C |       |

-----Gable Webs-----  
H -G 0.05 182 C

TL Defl -0.07" in I -D L/999  
LL Defl -0.03" in I -D L/999  
Shear // Grain in A -B 0.16

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  
B MT20 4.0x 4.0 Ctr Ctr 0.89  
G MT20 2.0x 4.0 Ctr Ctr 0.00  
C MT20 4.0x 4.0 Ctr Ctr 0.89  
D MT20 3.0x 4.0 Ctr Ctr 0.49  
J MT20 2.0x 4.0 Ctr Ctr 0.34  
H MT20 4.0x 5.0 Ctr-1.0 0.39  
I MT20 2.0x 4.0 Ctr Ctr 0.34

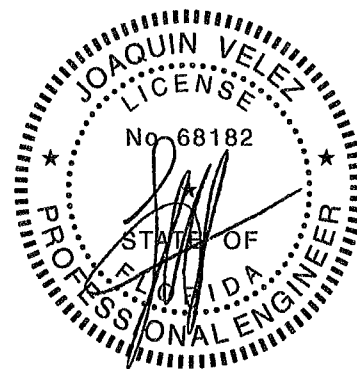
REVIEWED BY:  
MiTek Industries, Inc.  
6904 Parke East Blvd.  
Tampa, FL 33610

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

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: 120 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 229 lbs  
Max tens. force 122 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.



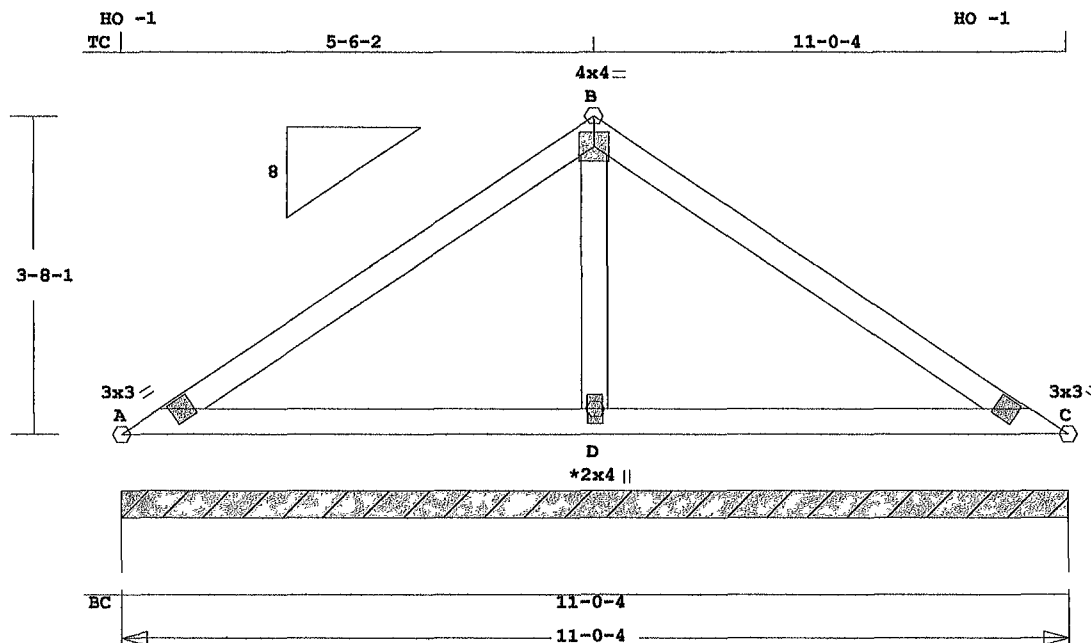
FL Cert. 6634

May 6, 2014



|                           |                   |                  |                      |                       |                   |                     |                      |                                |
|---------------------------|-------------------|------------------|----------------------|-----------------------|-------------------|---------------------|----------------------|--------------------------------|
| Job<br><b>INN-CG-1503</b> | Mark<br><b>V4</b> | Quan<br><b>1</b> | Type<br><b>VL.SB</b> | Span<br><b>110004</b> | P1-H1<br><b>8</b> | Left OH<br><b>0</b> | Right OH<br><b>0</b> | Engineering<br><b>T6295437</b> |
|---------------------------|-------------------|------------------|----------------------|-----------------------|-------------------|---------------------|----------------------|--------------------------------|

COTTAGE GROVE 1503



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.464" = 1'

Online Plus -- Version 30.0.023

RUN DATE: 06-MAY-14

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

| CSI | Size | Lumber     |
|-----|------|------------|
| TC  | 0.24 | 2x 4 SP-#2 |
| BC  | 0.19 | 2x 4 SP-#2 |
| GW  | 0.03 | 2x 4 SP-#2 |

Brace truss as follows:

| O.C.     | From    | To       |
|----------|---------|----------|
| TC Cont. | 0- 0- 0 | 11- 0- 4 |
| or 48.0" | 0- 0- 0 | 11- 0- 4 |
| BC Cont. | 0- 0- 0 | 11- 0- 4 |
| or 72.0" | 0- 0- 0 | 11- 0- 4 |

| 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  | 804  |        | 48 R  |

| Jt | Brg Size | Required    |
|----|----------|-------------|
| A  | 132.2"   | 0"-to- 132" |

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

MiTek® Online Plus™ APPROX TRUSS WEIGHT 49 6 LBS

-----Top Chords-----

|      |      |       |      |      |
|------|------|-------|------|------|
| A -B | 0.24 | 103 C | 0.00 | 0.24 |
| B -C | 0.24 | 103 C | 0.00 | 0.24 |

-----Bottom Chords-----

|      |      |     |      |      |
|------|------|-----|------|------|
| A -D | 0.19 | 1 C | 0.00 | 0.19 |
| D -C | 0.19 | 1 C | 0.00 | 0.19 |

-----Gable Webs-----

|      |      |       |
|------|------|-------|
| D -B | 0.03 | 192 C |
|------|------|-------|

TL Defl -0.03" in D -C L/999

LL Defl -0.01" in D -C L/999

Shear // Grain in A -B 0.16

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

B MT20 4.0x 4.0 Ctr Ctr 0.74

C MT20 3.0x 3.0 Ctr Ctr 0.56

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

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: 120 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

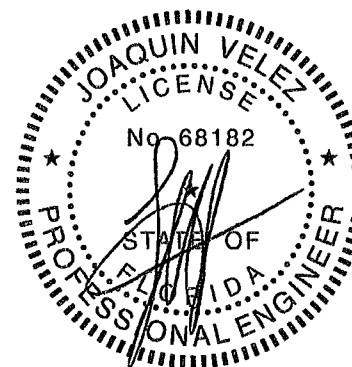
Max comp. force 192 Lbs

Max tens. force 56 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.

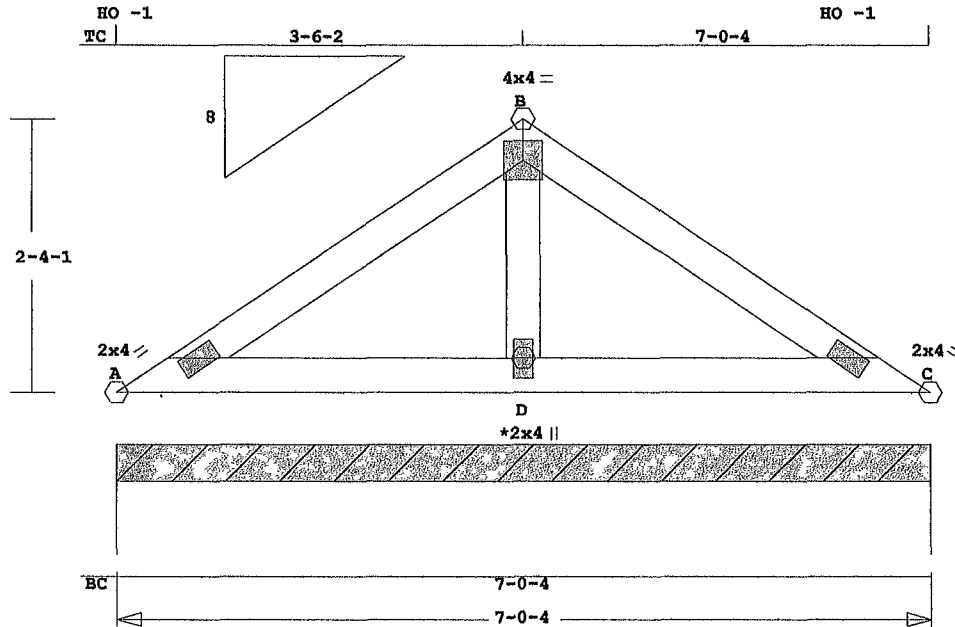


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|                           |                   |                  |                      |                      |                   |                     |                      |                                |
|---------------------------|-------------------|------------------|----------------------|----------------------|-------------------|---------------------|----------------------|--------------------------------|
| Job<br><b>INN-CG-1503</b> | Mark<br><b>V5</b> | Quan<br><b>1</b> | Type<br><b>VL.SB</b> | Span<br><b>70004</b> | P1-H1<br><b>8</b> | Left OH<br><b>0</b> | Right OH<br><b>0</b> | Engineering<br><b>T6295438</b> |
|---------------------------|-------------------|------------------|----------------------|----------------------|-------------------|---------------------|----------------------|--------------------------------|

COTTAGE GROVE 1503



ALL PLATES ARE MT2020  
See Joint D For Typical Gable Plate Size and Placement

Scale: 0.625" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-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 0.06 2x 4 SP-#2  
GW 0.01 2x 4 SP-#2

Brace truss as follows:  
O.C. From To  
TC Cont. 0- 0- 0 7- 0- 4  
or 48.0" 0- 0- 0 7- 0- 4  
BC Cont. 0- 0- 0 7- 0- 4  
or 72.2" 0- 0- 0 7- 0- 4

| 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 484 28 R

Jt Brg Size Required  
A 84.2" 0"-to- 84"

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

MiTek® Online Plus™ APPROX TRUSS WEIGHT 30 4 LBS

-----Top Chords-----  
A -B 0.08 55 C 0.00 0.08  
B -C 0.08 55 C 0.00 0.08  
-----Bottom Chords-----  
A -D 0.06 1 C 0.00 0.06  
D -C 0.06 1 C 0.00 0.06  
-----Gable Webs-----  
D -B 0.01 118 C

TL Defl 0.00" in A -D L/999  
LL Defl 0.00" in A -D L/999  
Shear // Grain in A -B 0.09

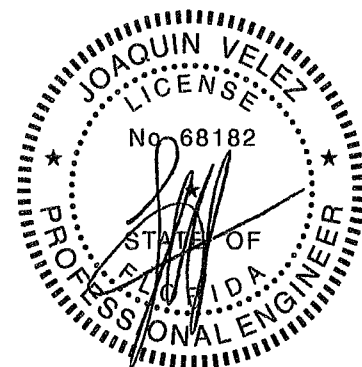
Plates for each ply each face.  
Plate - MT20 20 Ga, Gross Area  
Plate - MT2H 20 Ga, Gross Area  
Jt Type Plt Size X Y JSI  
A MT20 2.0x 4.0 Ctr Ctr 0.59  
B MT20 4.0x 4.0 Ctr Ctr 0.42  
C MT20 2.0x 4.0 Ctr Ctr 0.59  
D MT20 2.0x 4.0 Ctr Ctr 0.00

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  
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: 120 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 118 lbs  
Max tens. force 39 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.

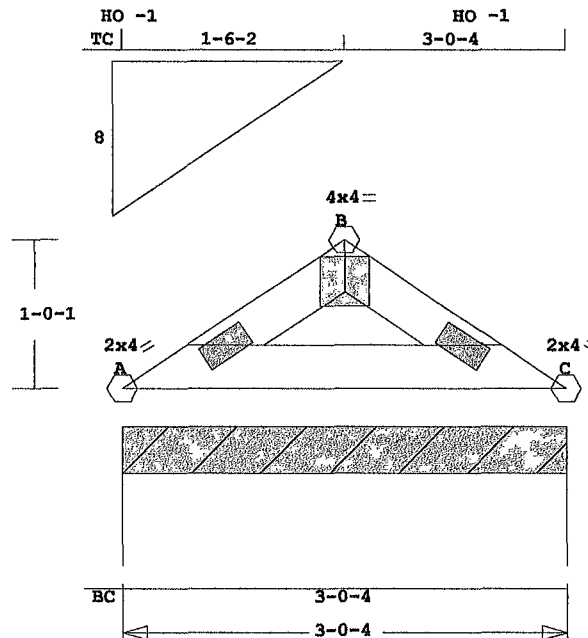


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May 6, 2014

| Job         | Mark | Quan | Type  | Span  | P1-H1 | Left OH | Right OH | Engineering |
|-------------|------|------|-------|-------|-------|---------|----------|-------------|
| INN-CG-1503 | V6   | 1    | VL.SB | 30004 | 8     | 0       | 0        | T6295439    |

COTTAGE GROVE 1503



ALL PLATES ARE MT2020

Scale: 0.793" = 1'

Online Plus -- Version 30.0.023  
RUN DATE: 06-MAY-14

Southern Pine lumber design  
values are those effective  
06-01-13 by SPIB//ALSC UON  
CSI -Size- ----Lumber-----  
TC 0.01 2x 4 SP-#2  
BC 0.01 2x 4 SP-#2

Brace truss as follows:

| O.C.     | From    | To      |
|----------|---------|---------|
| TC Cont. | 0- 0- 0 | 3- 0- 4 |
| or 36.2" | 0- 0- 0 | 3- 0- 4 |
| BC Cont. | 0- 0- 0 | 3- 0- 4 |
| or 36.2" | 0- 0- 0 | 3- 0- 4 |

| 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 164 9 R

| Jt | Brg Size | Required   |
|----|----------|------------|
| A  | 36.2"    | 0"-to- 36" |

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-----

MiTek® Online Plus™ APPROX TRUSS WEIGHT 10 6 LBS

| A -B                    | 0.01    | 63 C    | 0.00  | 0.01 |
|-------------------------|---------|---------|-------|------|
| B -C                    | 0.01    | 63 C    | 0.00  | 0.01 |
| -----Bottom Chords----- |         |         |       |      |
| A -C                    | 0.01    | 1 C     | 0.00  | 0.01 |
| TL Defl                 | 0.00"   | in A -C | L/999 |      |
| LL Defl                 | 0.00"   | in A -C | L/999 |      |
| Shear // Grain          | in A -B | 0.03    |       |      |

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-1.2 0.33  
C MT20 2.0x 4.0 Ctr Ctr 0.59

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

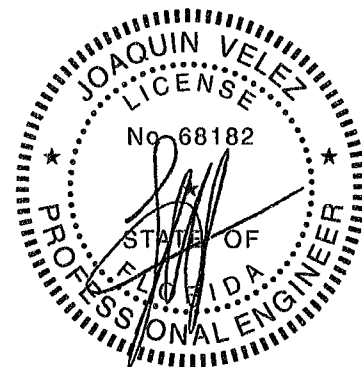
REFER TO ONLINE PLUS GENERAL  
NOTES AND SYMBOLS SHEET FOR  
ADDITIONAL SPECIFICATIONS.

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

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: 120 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 63 Lbs  
Max tens. force 19 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.

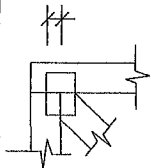


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May 6, 2014

# ONLINE PLUS GENERAL NOTES & SYMBOLS

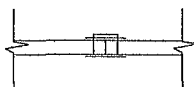
108



## 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)

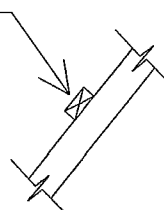
## FLOOR TRUSS SPLICE ( 3X2, 4X2, 6X2 )



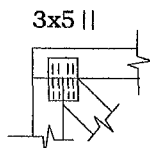
(W) = Wide Face Plate  
(N) = Narrow Face Plate

## 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.



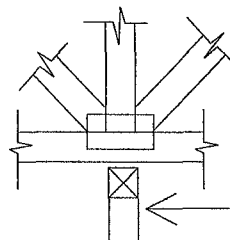
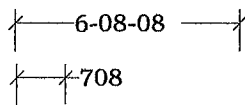
## PLATE SIZE AND ORIENTATION



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.



**MiTek USA, Inc.**

6904 Parke East Blvd.  
Tampa, FL 33610-4115

Tel: 813-972-1135  
Fax: 813-971-6117