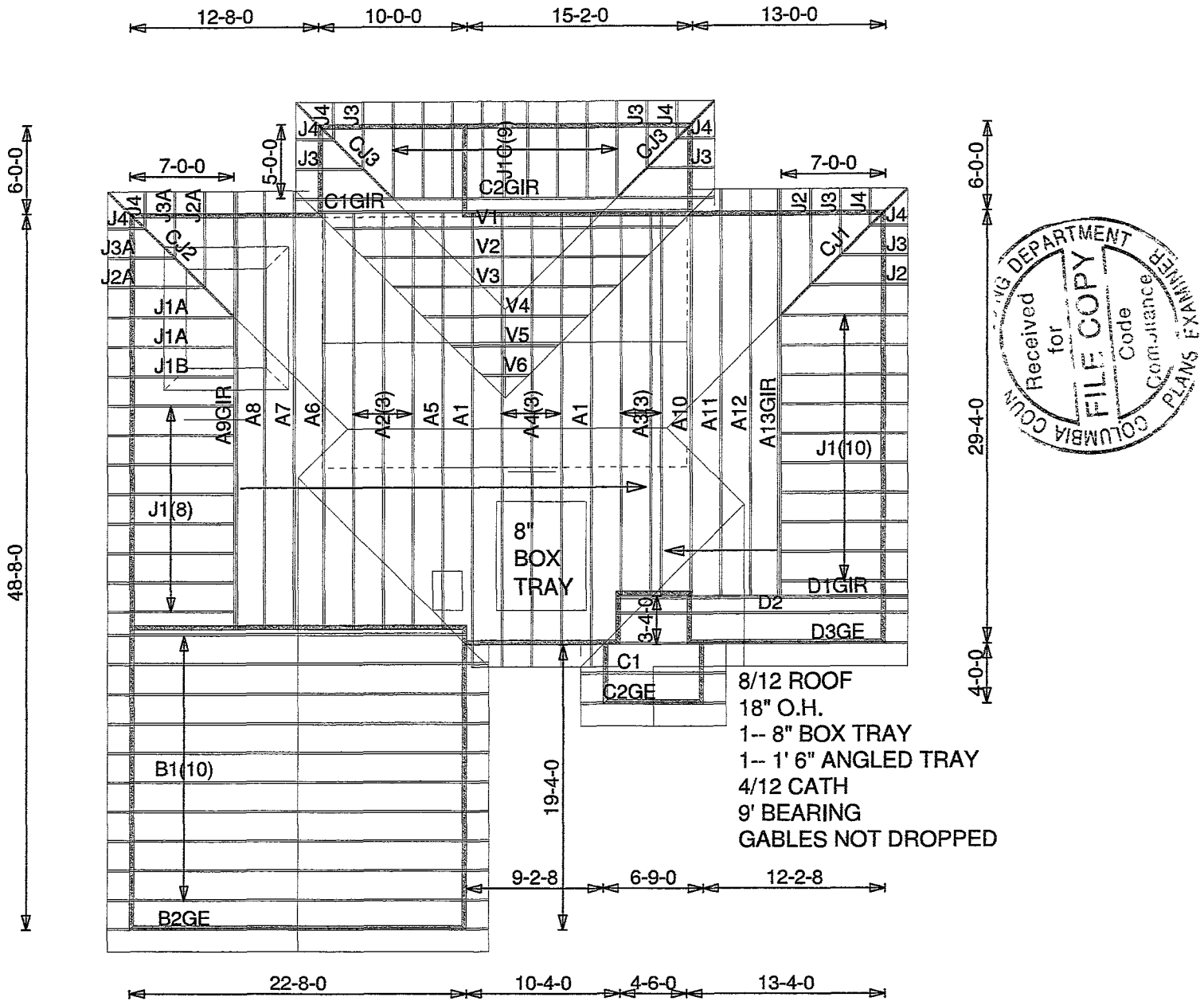


INNOVATIVE

1503 LEFT HANDED

LAKE CITY

Rose Pointe

120 MPH ASCE WIND LOAD

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

Account: CONTRACTORS
Job: INN-CG-1503
Designer: C. LITTLE
Checker:
Date: 05-06-14

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

RE: INN-CG-1503 - ROOF DESIGN INFO

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:
Customer Info: INNOVATIVE Project Name: ~~COTTAGE GROVE~~ 1503 Model:
Lot/Block: . Subdivision: Rose Pointe
Address: .
City: LAKE CITY State: FLORIDA

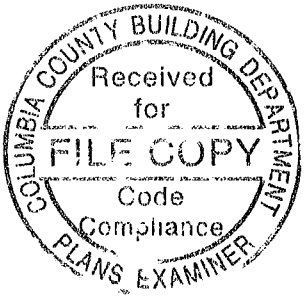
Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

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

Design Code: FBC2010 Design Program: OnLine Plus 30.0.023
Wind Code: ASCE 7-10 Wind Speed: 120 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 40 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

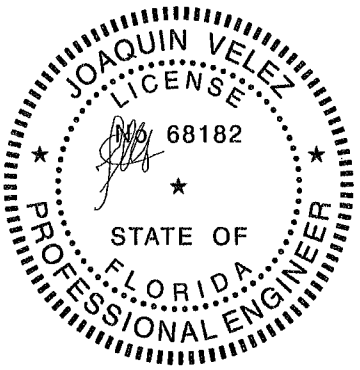
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T6295400	A1	5/6/014	18	T6295417	C2GE	5/6/014
2	T6295401	A2	5/6/014	19	T6295418	C2GIR	5/6/014
3	T6295402	A3	5/6/014	20	T6295419	CJ1	5/6/014
4	T6295403	A4	5/6/014	21	T6295420	CJ2	5/6/014
5	T6295404	A5	5/6/014	22	T6295421	CJ3	5/6/014
6	T6295405	A6	5/6/014	23	T6295422	D1GIR	5/6/014
7	T6295406	A7	5/6/014	24	T6295423	D2	5/6/014
8	T6295407	A8	5/6/014	25	T6295424	D3GE	5/6/014
9	T6295408	A9GIR	5/6/014	26	T6295425	J1	5/6/014
10	T6295409	A10	5/6/014	27	T6295426	J1A	5/6/014
11	T6295410	A11	5/6/014	28	T6295427	J1B	5/6/014
12	T6295411	A12	5/6/014	29	T6295428	J1C	5/6/014
13	T6295412	A13GIR	5/6/014	30	T6295429	J2	5/6/014
14	T6295413	B1	5/6/014	31	T6295430	J2A	5/6/014
15	T6295414	B2GE	5/6/014	32	T6295431	J3	5/6/014
16	T6295415	C1	5/6/014	33	T6295432	J3A	5/6/014
17	T6295416	C1GIR	5/6/014	34	T6295433	J4	5/6/014



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

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

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



FL Cert. 6634

May 6,2014

RE: INN-CG-1503 - ROOF DESIGN INFO

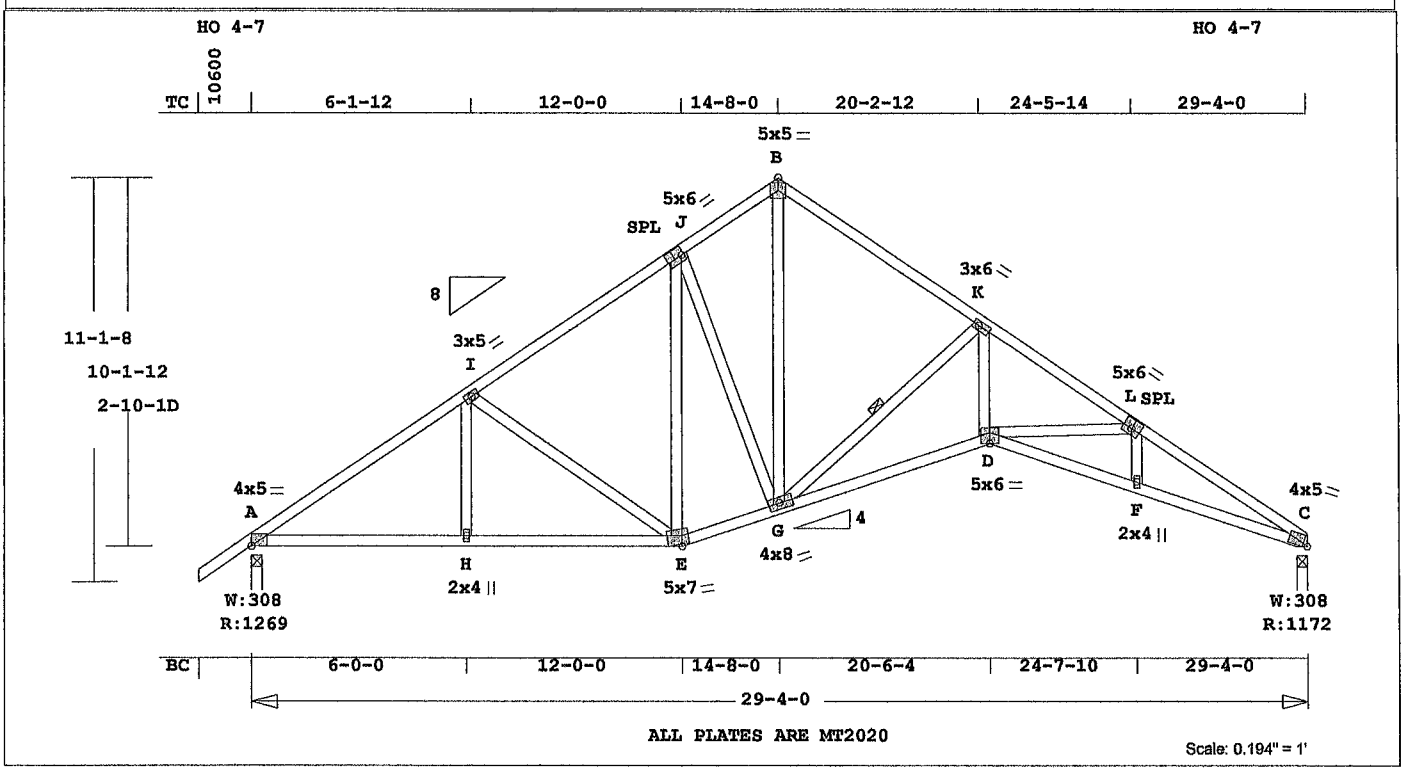
Site Information:

Customer Info: INNOVATIVE Project Name: COTTAGE GROVE 1503 Model:
Lot/Block: . Subdivision: COTTAGE GROVE
Address: .
City: LAKE CITY State: FLORIDA

No.	Seal#	Truss Name	Date
35	T6295434	V1	5/6/014
36	T6295435	V2	5/6/014
37	T6295436	V3	5/6/014
38	T6295437	V4	5/6/014
39	T6295438	V5	5/6/014
40	T6295439	V6	5/6/014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A1*	2	SP	290400	8	1- 6- 0	0	*T6295400*

COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX TRUSS WEIGHT 222 8 LBS

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	0.47	2x 4	SP-#2
BC	0.87	2x 4	SP-#2
WB	0.48	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont	0- 0- 0	29- 4- 0
or	36.0"	0- 0- 0	29- 4- 0
BC	Cont.	0- 0- 0	29- 4- 0
or	120.0"	0- 0- 0	29- 4- 0

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0 0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1 25
Plate Duration Factor 1 25

	Fb	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	1270		155 R
C	1173		155 R

Jt	Brg Size	Required
A	3 5"	1 5"
C	3.5"	1 5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -I	0.35	1670 C	0.02 0.33
I -J	0.35	1247 C	0.01 0.34
J -B	0.21	1157 C	0.01 0.20
B -K	0.35	1160 C	0 03 0.32
K -L	0 33	2780 C	0.06 0.27
L -C	0.47	3107 C	0 09 0.38
--------Bottom Chords---------			
A -H	0.37	1393 T	0.28 0.09
H -E	0.39	1393 T	0.28 0.11
E -G	0.32	1090 T	0.22 0.10
G -D	0.62	2380 T	0.49 0.13
D -F	0.75	2707 T	0 55 0.20
F -C	0.87	2681 T	0.54 0.33
----------Webs----------			
H -I	0.04	246 T	
I -E	0.38	440 C	
E -J	0.05	75 T	
J -G	0.26	256 C	
G -B	0.23	1035 T	
G -K	0.48	1747 C	1 Br
D -K	0.39	1738 T	
D -L	0 08	268 C	
F -L	0.01	102 T	

TL Defl -0 47" in G -D L/733
LL Defl -0.18" in D -F L/999

Hz Disp	LL	DL	TL
Jt C	0.13"	0.19"	0.32"

Shear // Grain in I -J 0.20

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr 0.1		0.55
I	MT20	3.0x 5.0	Ctr Ctr		0.37
J	MT20	5.0x 6.0	0.1 0.8		0.57
B	MT20	5.0x 5 0	Ctr Ctr		0.41
K	MT20	3 0x 6.0	0.8-0 6		0.81
L	MT20	5.0x 6.0	0.3 0.5		0.46
C	MT20	4.0x 5.0	Ctr 0.2		0.91
H	MT20	2.0x 4.0	Ctr Ctr		0.34
E	MT20	5 0x 7.0	-1.5 3.0		0.52
G	MT20	4.0x 8.0	0.5 0.2		0.79
D	MT20	5.0x 6.0	Ctr-1.2		0.84
F	MT20	2.0x 4 0	Ctr Ctr		0.34

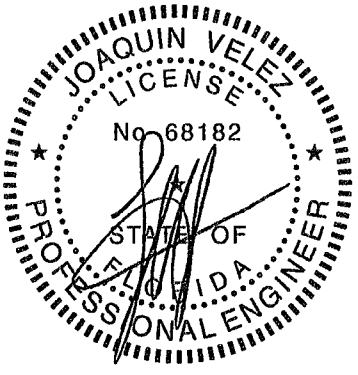
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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	3107 Lbs
Max tens force	2707 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.

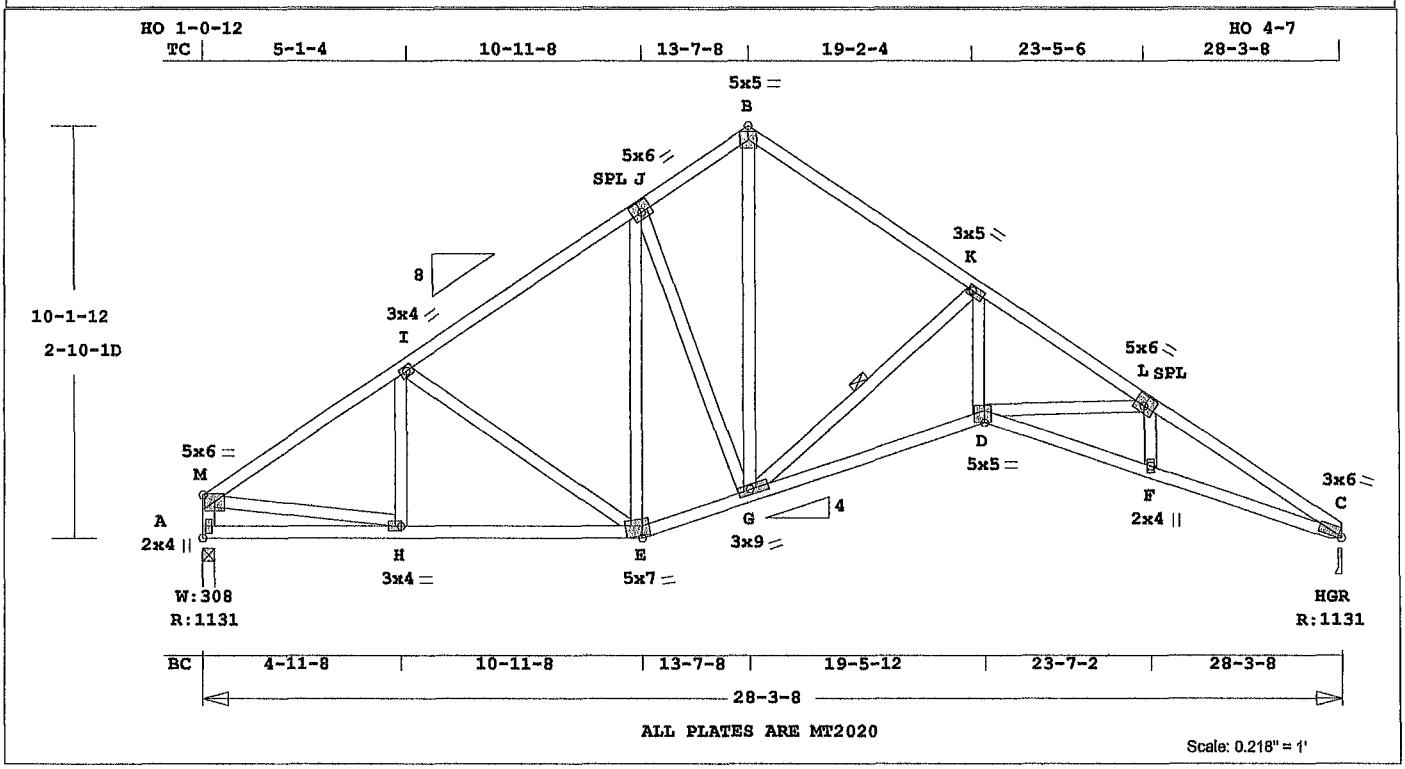


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A2*	3	SP	280308	8	0	0	*T6295401*

COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX TRUSS WEIGHT 224 9 LBS

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	0.45	2x 4	SP-#2
BC	0.83	2x 4	SP-#2
WB	0.46	2x 4	SP-#2

Brace truss as follows:

	O C	From	To
TC	Cont	0- 0- 0	28- 3- 8
or	36.0"	0- 0- 0	28- 3- 8
BC	Cont	0- 0- 0	28- 3- 8
or	120.0"	0- 0- 0	28- 3- 8

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

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20 0
Total	40 0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25

	Fb	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	1132		162 R
C	1132		153 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
M -I	0.35	1374 C	0.01 0.34
I -J	0.35	1141 C	0.01 0.34
J -B	0.21	1077 C	0 01 0.20
B -K	0 35	1079 C	0.03 0.32
K -L	0 32	2643 C	0.05 0.27
L -C	0.45	2980 C	0.08 0.37
Bottom Chords			
A -H	0.20	154 T	0.00 0.20
H -E	0.35	1160 T	0.23 0.12
E -G	0.30	996 T	0.20 0.10
G -D	0.59	2262 T	0.46 0.13
D -F	0.72	2596 T	0.53 0.19
F -C	0.83	2572 T	0.52 0.31
Webs			
A -M	0 11	1091 C	WindLd
M -H	0.26	1178 T	
H -I	0.02	101 T	
I -E	0.24	281 C	
E -J	0.11	103 C	
J -G	0.21	210 C	
G -B	0.22	946 T	
G -K	0.46	1687 C	1 Br
D -K	0.37	1667 T	
D -L	0.08	277 C	
F -L	0.01	104 T	

TL Defl -0.43" in G -D L/767
LL Defl -0.17" in D -F L/999

Hz Disp	LL	DL	TL
Jt C	0.12"	0 18"	0.29"

Shear // Grain in I -J 0.20

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

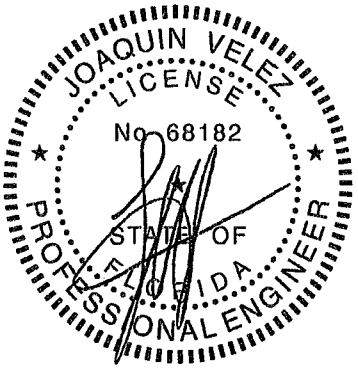
Jt	Type	Plt Size	X	Y	JSI
M	MT20	5.0x 6.0	Ctr	-0.3	0.64
I	MT20	3.0x 4.0	Ctr	Ctr	0.50
J	MT20	5.0x 6.0	-0.3	0.5	0.46
B	MT20	5.0x 5.0	Ctr	Ctr	0.38
K	MT20	3.0x 5.0	0.8	-0.6	0.88
L	MT20	5.0x 6.0	0 3	0.5	0.46
C	MT20	3.0x 6.0	Ctr	Ctr	0.90
A	MT20	2.0x 4.0	Ctr	Ctr	0.30
H	MT20	3.0x 4.0	-1.7	0.2	0.79
E	MT20	5.0x 7.0	-1.5	3.0	0.51
G	MT20	3.0x 9.0	0.9	0.3	0.69
D	MT20	5.0x 5.0	-0.5	-1.2	0.98
F	MT20	2.0x 4.0	Ctr	Ctr	0.29

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

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

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

This truss has been designed for 20.0 psf LL on the B C in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location
Wind Speed: 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 2980 Lbs
Max tens. force 2596 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.

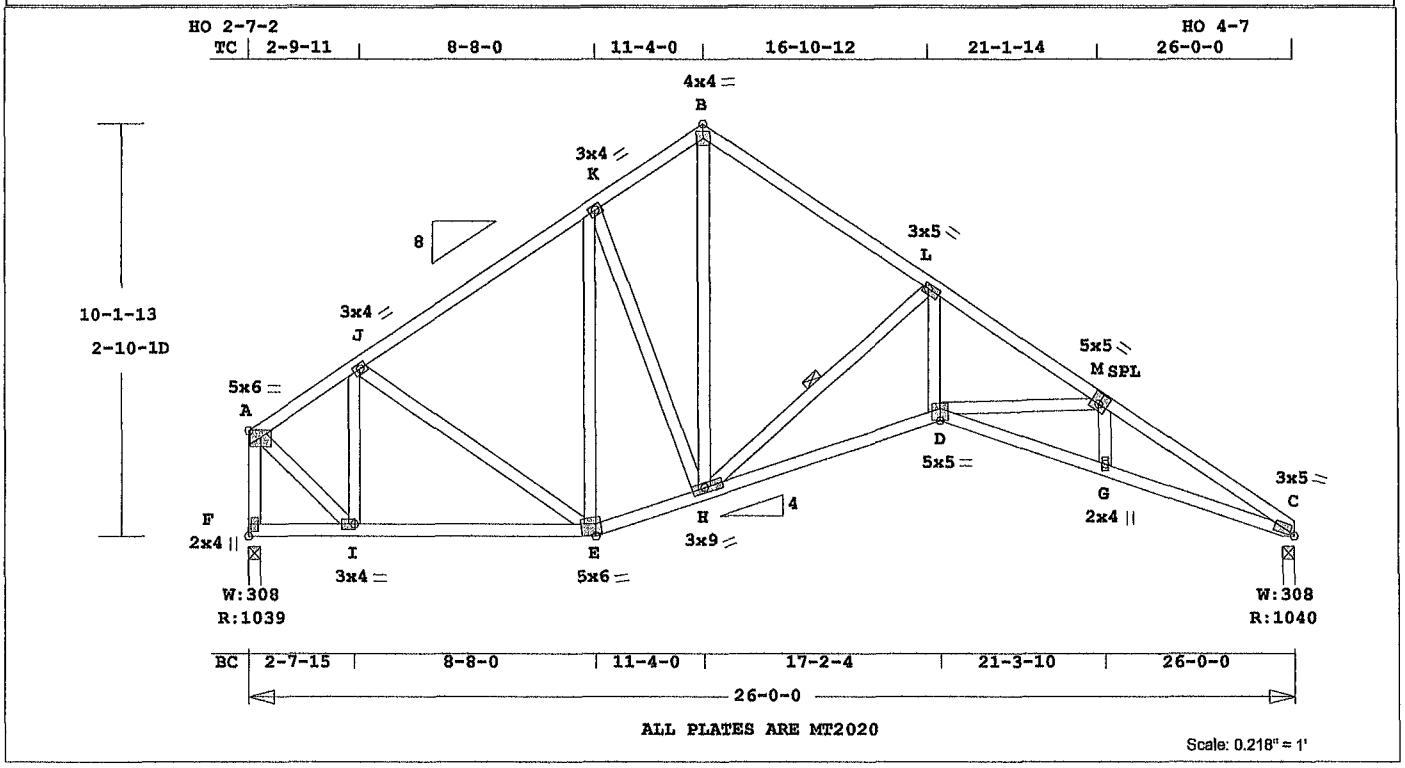


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A3*	3	SP	260000	8	0	0	*T6295402*

COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX TRUSS WEIGHT 215.5 LBS

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	0.39	2x 4	SP-#2
BC	0.74	2x 4	SP-#2
WB	0.42	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	26- 0- 0
or	36.0"	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: H -L
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-
F	1040		176 R
C	1040		149 R

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

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

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -J	0 28	721	C	0.00	0.28
J -K	0.31	899	C	0.00	0.31
K -B	0.22	899	C	0.00	0.22
B -L	0.33	899	C	0.02	0.31
L -M	0.31	2335	C	0.04	0.27
M -C	0.39	2696	C	0.06	0.33
Bottom Chords					
F -I	0.18	153	T	0.00	0.18
I -E	0.29	663	T	0.08	0.21
E -H	0.28	787	T	0.16	0.12
H -D	0.55	1998	T	0 41	0.14
D -G	0 64	2350	T	0.48	0.16
G -C	0.74	2328	T	0.47	0.27
Webs					
F -A	0.14	1034	C	WindLd	
A -I	0 19	861	T		
I -J	0 14	474	C		
J -E	0.03	163	T		
E -K	0 27	243	C		
K -H	0.10	131	T		
H -B	0.20	753	T		
H -L	0.42	1553	C		1 Br
D -L	0.34	1506	T		
D -M	0.09	298	C		
G -M	0.02	111	T		

TL Defl -0.36" in H -D L/836
LL Defl -0.14" in D -G L/999

Hz Disp	LL	DL	TL
Jt C	0.10"	0.15"	0.26"

Shear // Grain in J -K 0.19

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

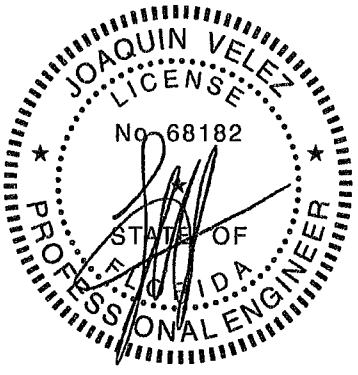
Jt	Type	Plt Size	X	Y	JSI
A	MT20	5.0x 6.0	Ctr	-0.3	0.60
J	MT20	3.0x 4.0	Ctr	Ctr	0.50
K	MT20	3.0x 4.0	Ctr	Ctr	0.50
B	MT20	4.0x 4 0	Ctr	Ctr	0.65
L	MT20	3.0x 5.0	0.8	-0.6	0.82
M	MT20	5.0x 5.0	0.3	0.5	0.56
C	MT20	3.0x 5.0	Ctr	Ctr	0.98
F	MT20	2.0x 4.0	Ctr	Ctr	0.31
I	MT20	3.0x 4.0	Ctr	Ctr	0.66
E	MT20	5.0x 6.0	-1.5	2.9	0.68
H	MT20	3.0x 9.0	0.9	0.3	0.64
D	MT20	5 0x 5.0	Ctr	-1.2	0.92
G	MT20	2.0x 4.0	Ctr	Ctr	0.31

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

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

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

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location
Wind Speed: 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 2696 Lbs
Max tens. force 2350 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.

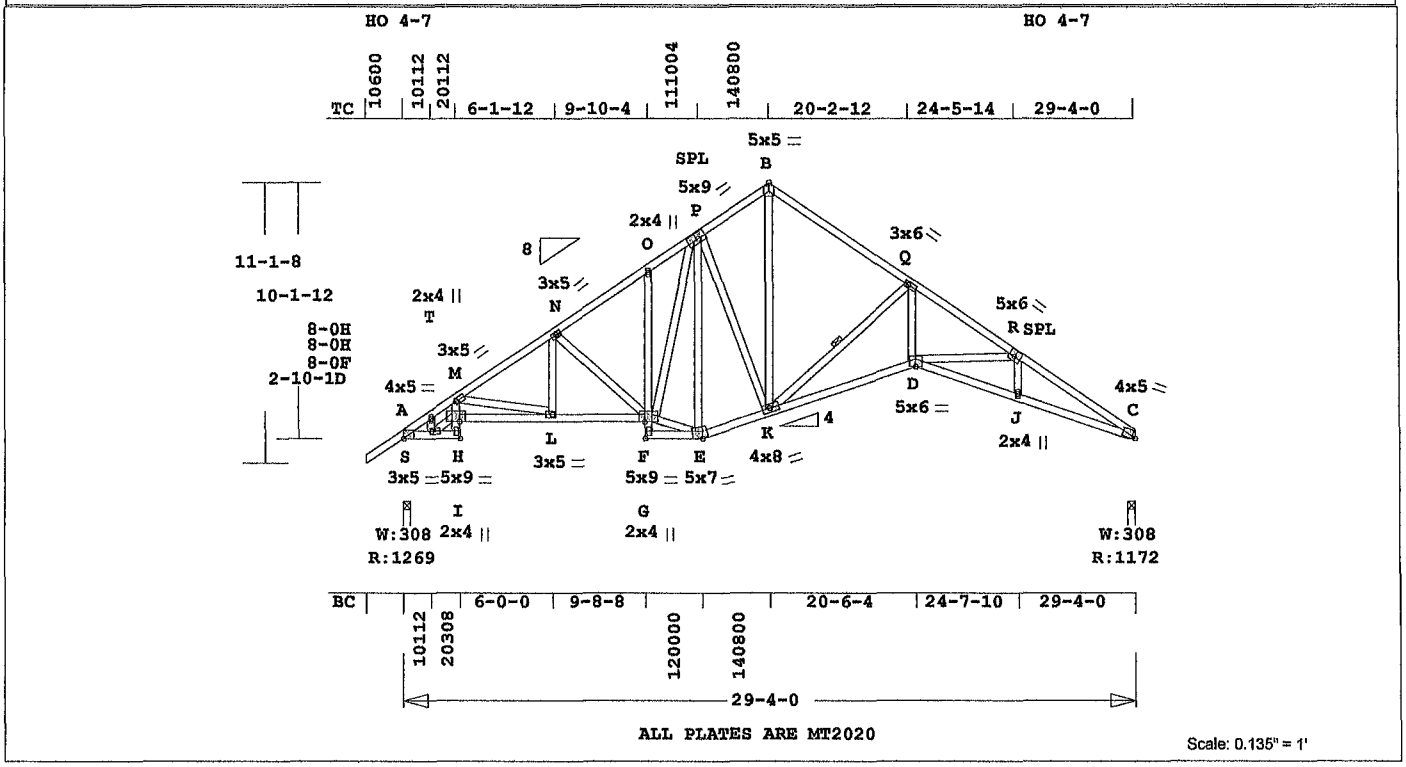


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A4*	3	SP	290400	8	1- 6- 0	0	*T6295403*

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 47  2x 4  SP-#2
BC  0 87  2x 4  SP-#2
CW  0 71  2x 4  SP-2400f-2 0E
--  0 26  2x 4  SP-#2
    G -O
WB  0 62  2x 4  SP-#2

Brace truss as follows
       O.C.      From       To
 TC   Cont     0- 0- 0 29- 4- 0
 or    36 0"   0- 0- 0 29- 4- 0
 BC   Cont     0- 0- 0 29- 4- 0
 or   120 0"   0- 0- 0 29- 4- 0
Continuous Lateral Restraint
  req'd at mid-point of webs
  K -Q
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-
A   1270          155 R
C   1173          155 R

Jt   Brg Size   Required
A       3 5"       1 5"
C       3 5"       1 5"

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

Membr  CSI  P Lbs  Axl-CSI-End
----------Top Chords----------
A -T  0.36  2128 C  0 04  0.32
T -M  0 36  2333 C  0 04  0.32
M -N  0.44  1956 C  0 04  0.40
```

MiTek® Online Plus™ APPROX TRUSS WEIGHT 258 9 LBS

```
N -O  0 26  1522 C  0.02  0.24
O -P  0 07  1505 C  0 04  0 03
P -B  0.18  1133 C  0 01  0 17
B -Q  0 34  1157 C  0 03  0 31
Q -R  0 32  2781 C  0 06  0 26
R -C  0 47  3106 C  0 09  0 38
---------Bottom Chords---------
A -S  0 72  1796 T  0 36  0 36
S -I  0 52   818 T  0 16  0 36
H -L  0 84  2270 T  0 46  0 38
L -F  0 47  1659 T  0 34  0 13
G -E  0 22   135 T  0 02  0 20
E -K  0 42  1075 T  0 21  0 21
K -D  0 64  2381 T  0 49  0 15
D -J  0 75  2706 T  0 55  0 20
J -C  0.87  2680 T  0.54  0 33
----------Chord-Webs----------
I -H  0 71   172 C  0 00  0 71
H -M  0 53   469 T  0 03  0 50
G -F  0 26    79 T  0 01  0 25
F -O  0 12   153 C  0 01  0 11
-------------Webs-------------
S -T  0 04   423 C
S -H  0 26  1184 T
M -L  0 17   636 C
L -N  0 06   326 T
N -F  0 24   539 C
F -E  0 20   916 T
F -P  0.19   859 T
E -P  0 62   554 C
P -K  0 25   248 C
K -B  0 22   991 T
K -Q  0 48  1749 C        1 Br
D -Q  0 39  1744 T
D -R  0 08   268 C
J -R  0 01   101 T

TL Defl  -0 53" in K -D  L/645
LL Defl  -0 20" in K -D  L/999
Hz Disp   LL      DL      TL
  Jt C   0 17"    0 26"   0 44"
Shear // Grain  in I -H   0.98

Plates for each ply each face
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type  Plt Size  X   Y   JSI
A  MT20  4 0x 5 0 Ctr 0 1 0 69
T  MT20  2.0x 4.0 Ctr Ctr 0 29
M  MT20  3 0x 5.0 Ctr Ctr 0 39
N  MT20  3.0x 5.0 Ctr Ctr 0 37
O  MT20  2 0x 4.0 Ctr Ctr 0 33
P  MT20  5 0x 9.0-0 3 0 5 0 55
B  MT20  5 0x 5.0 Ctr Ctr 0 41
Q  MT20  3.0x 6.0 0.8-0.6 0.81
R  MT20  5 0x 6.0 0 3 0.5 0 46
C  MT20  4 0x 5.0 Ctr 0 2 0.91
S  MT20  3 0x 5 0 Ctr Ctr 0 71
I  MT20  2 0x 4 0 Ctr Ctr 0 63
H  MT20  5.0x 9 0 Ctr 0 8 0 85
L  MT20  3 0x 5 0-0 8 Ctr 0 46
F  MT20  5 0x 9 0 Ctr 0 8 0 48
G  MT20  2 0x 4 0 Ctr Ctr 0 58
E  MT20  5 0x 7 0-1 5 3 0 0 78
K  MT20  4 0x 8 0 0 5 0 2 0 79
D  MT20  5 0x 6 0 Ctr-1 2 0 85
J  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      3106 Lbs
Max tens. force      2706 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
```

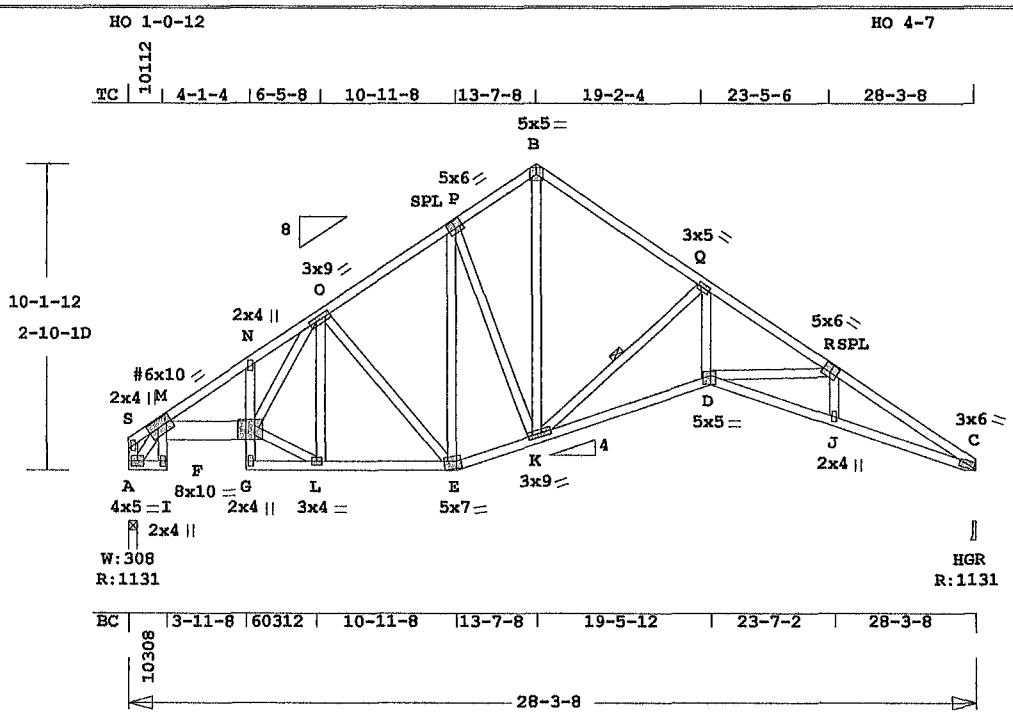
JOAQUIN VELEZ
LICENSE
No. 68182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A5*	1	SP	280308	8	0	0	*T6295404*

COTTAGE GROVE 1503



ALL PLATES ARE MT2020, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.162" = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT 245 4 LBS

Online Plus -- Version 30.0 024
RUN DATE 06-MAY-14

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

	CSI	-Size-	-----Lumber-----
TC	0.55	2x 4	SP-2400f-2.0E
--	0.45	2x 4	SP-#2
	P -B	B -R	R -C
BC	0.84	2x 4	SP-#2
--	0.20	2x 8	SP-2400f-2.0E
	M -F		
CW	0.65	2x 4	SP-2400f-2 0E
WB	0.46	2x 4	SP-#2

Brace truss as follows

	O C	From	To
TC	Cont	0- 0- 0	28- 3- 8
or	36 0"	0- 0- 0	28- 3- 8
BC	Cont	0- 0- 0	28- 3- 8
or	120 0"	0- 0- 0	28- 3- 8

Continuous Lateral Restraint req'd at mid-point of webs K -Q
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-
A	1132		161 R
C	1132		153 R

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

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
**----------Top Chords----------			
S -M	0.55	397 T	0.02 0.53
M -N	0 54	1570 C	0 01 0.53
N -O	0 35	1416 C	0 01 0.34
O -P	0 12	1136 C	0.00 0.12
P -B	0 17	1061 C	0.00 0.17
B -Q	0.34	1079 C	0.03 0.31
Q -R	0 31	2642 C	0.05 0.26
R -C	0 45	2980 C	0.08 0 37
**---------Bottom Chords---------			
A -I	0 46	1176 T	0.23 0 23
I -F	0 20	1159 T	0.04 0 16
G -L	0.14	435 T	0.05 0.09
L -E	0 28	1118 T	0 22 0 06
E -K	0 30	986 T	0.20 0.10
K -D	0 59	2261 T	0 46 0.13
D -J	0.72	2597 T	0.53 0 19
J -C	0 84	2572 T	0 52 0.32
**----------Chord-Webs----------			
G -F	0.65	22 T	0 00 0.65
F -N	0 35	294 T	0 02 0.33
**-------------Webs-------------			
A -S	0.15	682 T	WindLd
A -M	0.25	2245 C	
F -O	0.06	364 T	
F -L	0.17	761 T	
L -O	0 11	251 C	
O -E	0.22	291 C	
E -P	0.07	64 C	
P -K	0 18	180 C	
K -B	0 21	916 T	
K -Q	0 46	1684 C	1 Br
D -Q	0 37	1666 T	
D -R	0 08	278 C	
J -R	0.01	105 T	

TL Defl -0.50" in K -D L/658
LL Defl -0 19" in K -D L/999

Hz Disp	LL	DL	TL
Jt C	0 15"	0.23"	0.38"

Shear // Grain in S -M 0.74

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
S	MT20	2 0x 4.0	Ctr	Ctr	0.48
M#	MT20	6 0x10.0	-0.8	-0 5	0.54
N	MT20	2.0x 4.0	Ctr	Ctr	0.30
O	MT20	3.0x 9.0	-0.4	-0 3	0.47
P	MT20	5 0x 6 0	-0 3	0.5	0.46
B	MT20	5.0x 5 0	Ctr	Ctr	0.39
Q	MT20	3 0x 5.0 0	8	-0.6	0.88
R	MT20	5.0x 6.0	0.3	0.5	0.46
C	MT20	3 0x 6.0	Ctr	Ctr	0.90
A	MT20	4.0x 5.0	Ctr	Ctr	0.76
I	MT20	2 0x 4.0	Ctr	Ctr	0 91
F	MT20	8.0x10.0	Ctr	0.4	0.79
G	MT20	2 0x 4.0	Ctr	Ctr	0.58
L	MT20	3.0x 4.0	Ctr	Ctr	0.56
E	MT20	5 0x 7.0	-1 5	3.0	0.49
K	MT20	3 0x 9.0	0.9	0.3	0.69
D	MT20	5 0x 5 0	-0.5	-1.2	0 97
J	MT20	2.0x 4.0	Ctr	Ctr	0.30

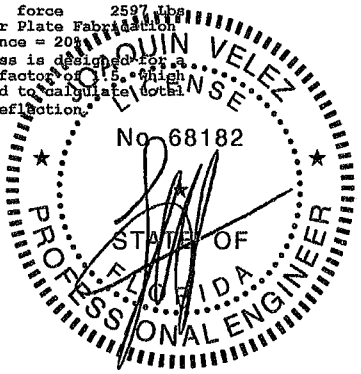
= Plate Monitor used
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES
Trusses Manufactured by:
Mayo Truss Co. Inc
Analysis Conforms To:
FBC2010
TPI 2007
This truss has been designed for 20 0 psf LL on the B C in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B C and any other member
Design checked for 10 psf non-concurrent LL on BC
NOTE USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
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	2980 Lbs
Max tens force	2597 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.

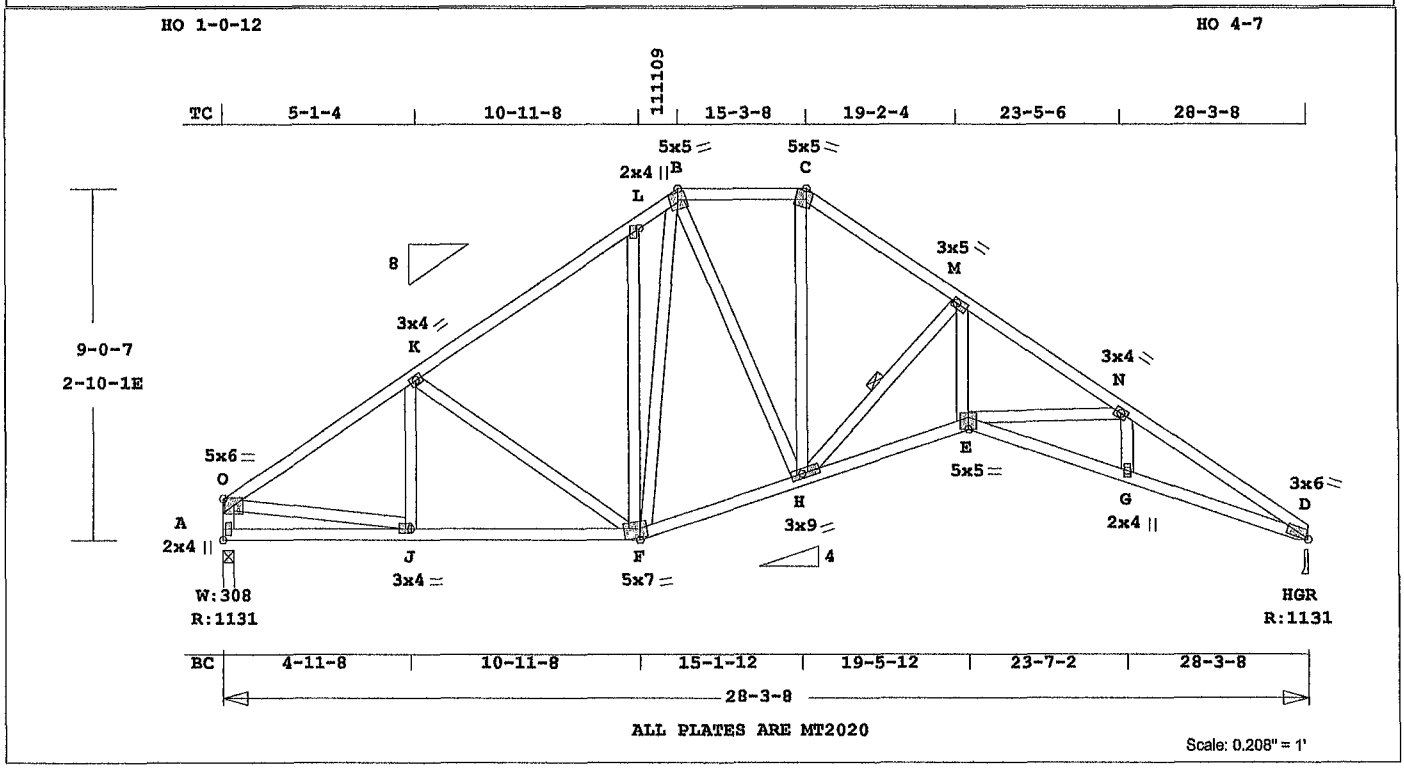


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A6*	1	SP	280308	8	0	0	*T6295405*

COTTAGE GROVE 1503



ALL PLATES ARE MT2020

Scale: 0.208" = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT 234 5 LBS

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	0.44	2x 4	SP-#2
BC	0.85	2x 4	SP-#2
WB	0 38	2x 4	SP-#2

Brace truss as follows:

	O C	From	To
TC	Cont	0- 0- 0	28- 3- 8
or	36 0"	0- 0- 0	28- 3- 8
BC	Cont	0- 0- 0	28- 3- 8
or	120 0"	0- 0- 0	28- 3- 8

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

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-
A	1132		145 R
D	1132		136 R

Jt	Brg Size	Required
A	3 5"	1.5"
D	3 5"	1 5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
O -K	0 34	1371 C	0.01 0 33
K -L	0.34	1141 C	0.01 0.33
L -B	0.24	1213 C	0.01 0.23
B -C	0 12	1071 C	0.01 0.11
C -M	0 15	1289 C	0 01 0.14
M -N	0 35	2623 C	0.09 0.26
N -D	0.44	2989 C	0.08 0.36
Bottom Chords			
A -J	0 19	137 T	0.00 0.19
J -F	0 33	1158 T	0.23 0 10
F -H	0.26	961 T	0.19 0 07
H -E	0.52	2236 T	0.45 0 07
E -G	0.72	2606 T	0.53 0 19
G -D	0.85	2582 T	0 52 0 33
Webs			
A -O	0.11	1090 C	WindLd
O -J	0.26	1175 T	
J -K	0.02	101 T	
K -F	0.24	280 C	
F -L	0 38	337 C	
F -B	0.23	371 T	
B -H	0 08	409 T	
H -C	0 11	502 T	
H -M	0.30	1567 C	1 Br
E -M	0 37	1642 T	
E -N	0 09	317 C	
G -N	0.02	113 T	

TL Defl -0 40" in E -G L/828
LL Defl -0 16" in E -G L/999

Hz Disp	LL	DL	TL
Jt D	0.11"	0 16"	0 27"

Shear // Grain in K -L 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
O	MT20	5.0x 6 0	Ctr	-0.3	0 64
K	MT20	3.0x 4.0	Ctr	Ctr	0.50
L	MT20	2.0x 4.0	Ctr	Ctr	0 28
B	MT20	5.0x 5.0	0.1	-3.7	0 63
C	MT20	5.0x 5.0	-0.9	-3 1	0.52
M	MT20	3 0x 5.0	0.8	-0 6	0 87
N	MT20	3 0x 4 0	Ctr	Ctr	0.50
D	MT20	3.0x 6.0	Ctr	Ctr	0 91
A	MT20	2.0x 4 0	Ctr	Ctr	0 30
J	MT20	3 0x 4.0	-1.7	0.2	0 79
F	MT20	5.0x 7.0	-1.5	3 0	0 65
H	MT20	3.0x 9.0	0.9	0.3	0 63
E	MT20	5 0x 5.0	Ctr	-1 2	1.00
G	MT20	2.0x 4 0	Ctr	Ctr	0.30

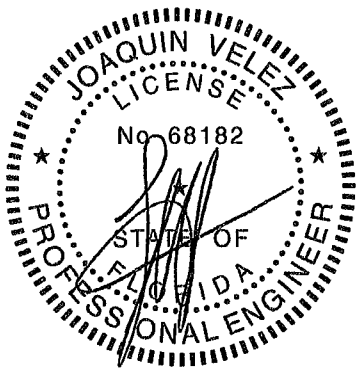
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc
Analysis Conforms To:
FBC2010
TPI 2007
This truss has been designed for 20 0 psf LL on the B C in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location

Wind Speed:	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	2989 Lbs
Max tens. force	2606 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.

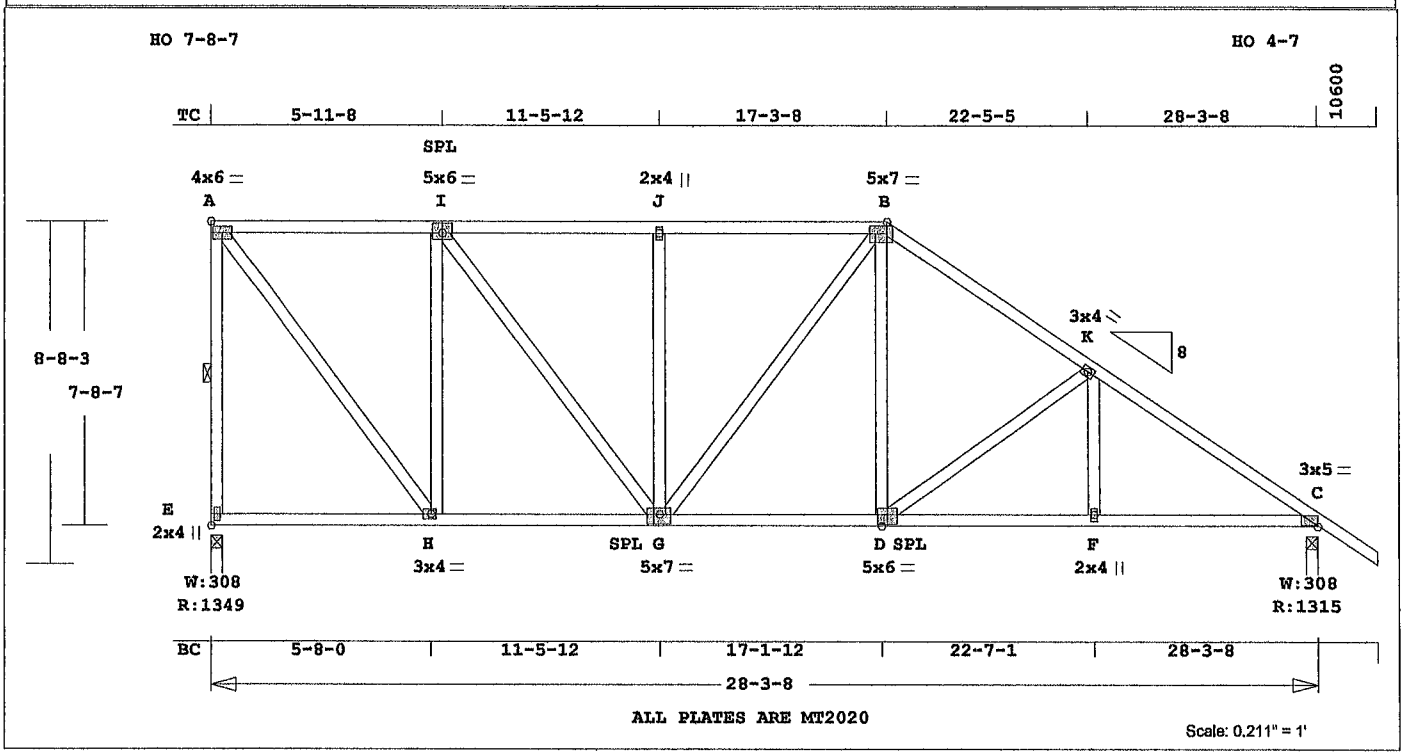


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A7*	1	HHIP	280308	8	0	1- 6- 0	*T6295406*

COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX. TRUSS WEIGHT· 238 0 LBS

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	0.38	2x 4	SP-#2
BC	0.46	2x 4	SP-#2
WB	0.81	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	28- 3- 8
or	48 0"	0- 0- 0	28- 3- 8
BC	Cont.	0- 0- 0	28- 3- 8
or	120.0"	0- 0- 0	28- 3- 8

Continuous Lateral Restraint req'd at mid-point of webs: E -A
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-
E	1350		188 R
C	1316		99 R

Jt	Brg Size	Required
E	3.5"	1.6"
C	3 5"	1.6"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -I	0.38	833 C	0.00 0.38
I -J	0.37	1192 C	0.01 0.36
J -B	0.34	1192 C	0.01 0.33
B -K	0 25	1396 C	0 01 0.24
K -C	0 27	1752 C	0.02 0.25
Bottom Chords			
E -H	0.28	288 C	0 00 0.28
H -G	0 42	833 T	0.17 0.25
G -D	0 42	1157 T	0.23 0.19
D -F	0.46	1457 T	0 29 0.17
F -C	0.38	1457 T	0.29 0.09
Webs			
E -A	0.33	1235 C	WindLd 1 Br
A -H	0.30	1372 T	
H -I	0.81	845 C	
I -G	0.17	590 T	
G -J	0.34	356 C	
G -B	0.14	93 C	
D -B	0.09	407 T	
D -K	0.29	390 C	
F -K	0.04	215 T	

TL Defl -0 18" in G -D L/999
LL Defl -0.09" in G -D L/999
Shear // Grain in A -I 0 26

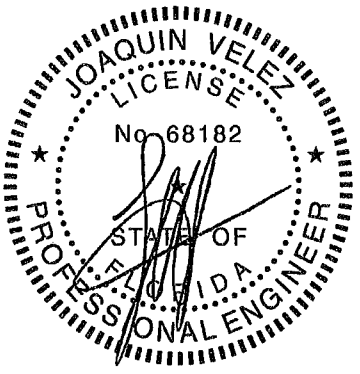
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6 0	Ctr	Ctr	0.69
I	MT20	5.0x 6.0	Ctr	0.5	0.70
J	MT20	2 0x 4.0	Ctr	Ctr	0.34
B	MT20	5.0x 7.0	Ctr	-0.2	0.74
K	MT20	3.0x 4.0	Ctr	Ctr	0 50
C	MT20	3.0x 5.0	Ctr	Ctr	0.83
E	MT20	2 0x 4.0	Ctr	Ctr	0.33
H	MT20	3.0x 4.0	-0.5	Ctr	0 88
G	MT20	5.0x 7.0	1.5-0.5		0.74
D	MT20	5.0x 6.0	Ctr	-0.5	0 60
F	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 1752 Lbs
Max tens. force 1457 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.

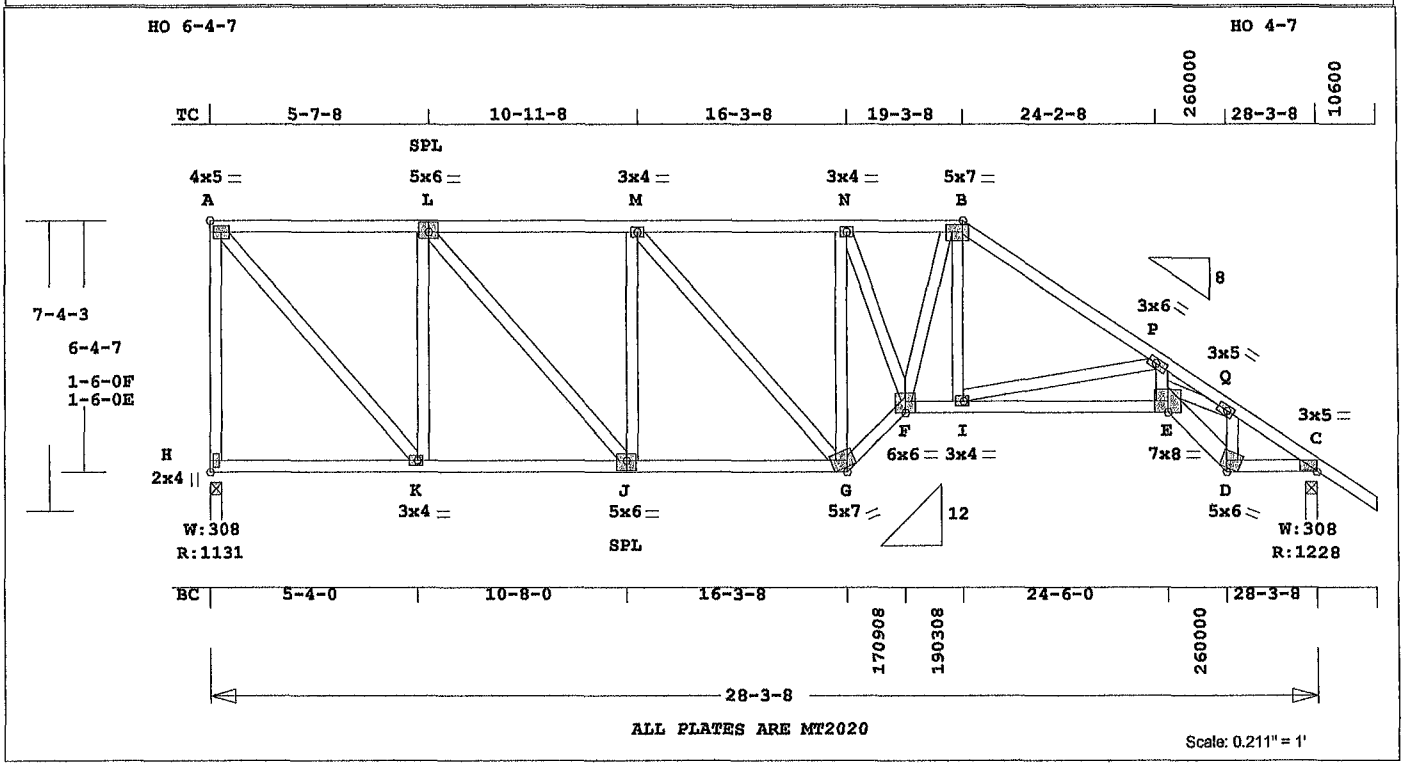


FL Cert. 6634

May 6,2014

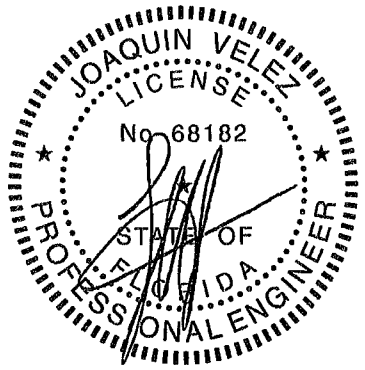
Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A8*	1	SP	280308	8	0	1- 6- 0	*T6295407*

COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX TRUSS WEIGHT 249 4 LBS

```
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 53  2x 4  SP-#2
BC  0 79  2x 6  SP-#2
--  0 63  2x 4  SP-#2
    H -J   J -G   G -F   D -C
--  0 72  2x 4  SP-#1
    F -E
WB  0 86  2x 4  SP-#2

Brace truss as follows
       O C       From       To
 TC  Cont      0- 0- 0 28- 3- 8
 or   30 0"    0- 0- 0 28- 3- 8
 BC  Cont      0- 0- 0 28- 3- 8
 or  120 0"    0- 0- 0 28- 3- 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-
H   1131           153 R
C   1228            81 R

Jt   Brg Size   Required
H       3 5"       1.5"
C       3 5"       1 5"

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

Membr  CSI  P Lbs  Axl-CSI-Bnd
----------Top Chords----------
A -L  0 34   831 C  0 00  0 34
L -M  0 33  1247 C  0 01  0 32
M -N  0 28  1276 C  0.01  0 27
N -B  0 20  1603 C  0 02  0.18
B -P  0 53  1785 C  0.06  0 47
P -Q  0 32  4116 C  0 16  0.16
Q -C  0 26  1816 C  0 02  0 24
---------Bottom Chords---------
H -K  0 19   235 C  0.00  0 19
K -J  0 28   830 T  0 10  0 18
J -G  0.38  1247 T  0.25  0 13
G -F  0 63  1692 T  0.34  0.29
F -I  0 24  1493 T  0 20  0.04
I -E  0 72  3228 T  0 44  0 28
E -D  0 79  1766 T  0 26  0 53
D -C  0 55  1471 T  0 30  0 25
-------------Webs-------------
H -A  0 70  1084 C WindLd
A -K  0 28  1260 T
K -L  0 53   831 C
L -J  0 14   631 T
J -M  0 22   355 C
M -G  0 04    99 T
G -N  0 69  1072 C
N -F  0 19   857 T
F -B  0 08   392 T
I -B  0 08   391 T
I -P  0 86  1766 C
E -P  0 34  1534 T
E -Q  0 44  1980 T
D -Q  0 10   955 C

TL Defl  -0 48" in E -D  L/693
LL Defl  -0 20" in E -D  L/999
Hz Disp    LL      DL      TL
  Jt C   0 15"   0 22"   0 37"
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  4 0x 5 0 Ctr Ctr 0 99
L  MT20  5 0x 6 0 Ctr 0 5 0 62
M  MT20  3.0x 4 0 Ctr Ctr 0 41
N  MT20  3.0x 4 0 Ctr Ctr 0.71
B  MT20  5 0x 7 0 Ctr-0 2 0 87
P  MT20  3 0x 6 0 0 4-0 3 0 83
Q  MT20  3 0x 5 0-0 4 0 3 0.82
C  MT20  3 0x 5 0 Ctr Ctr 0 86
H  MT20  2 0x 4 0 Ctr Ctr 0.30
K  MT20  3 0x 4 0-0.5 Ctr 0 81
J  MT20  5 0x 6 0 Ctr-0 5 0 55
G  MT20  5 0x 7 0-1 5 3.6 0 96
F  MT20  6 0x 6 0 Ctr-0.5 0.62
I  MT20  3 0x 4.0 1 2 0.2 0.84
E  MT20  7 0x 8 0 Ctr Ctr 0 86
D  MT20  5 0x 6 0 1.4 3 5 0 64

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     4116 Lbs
Max tens  force     3228 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
```

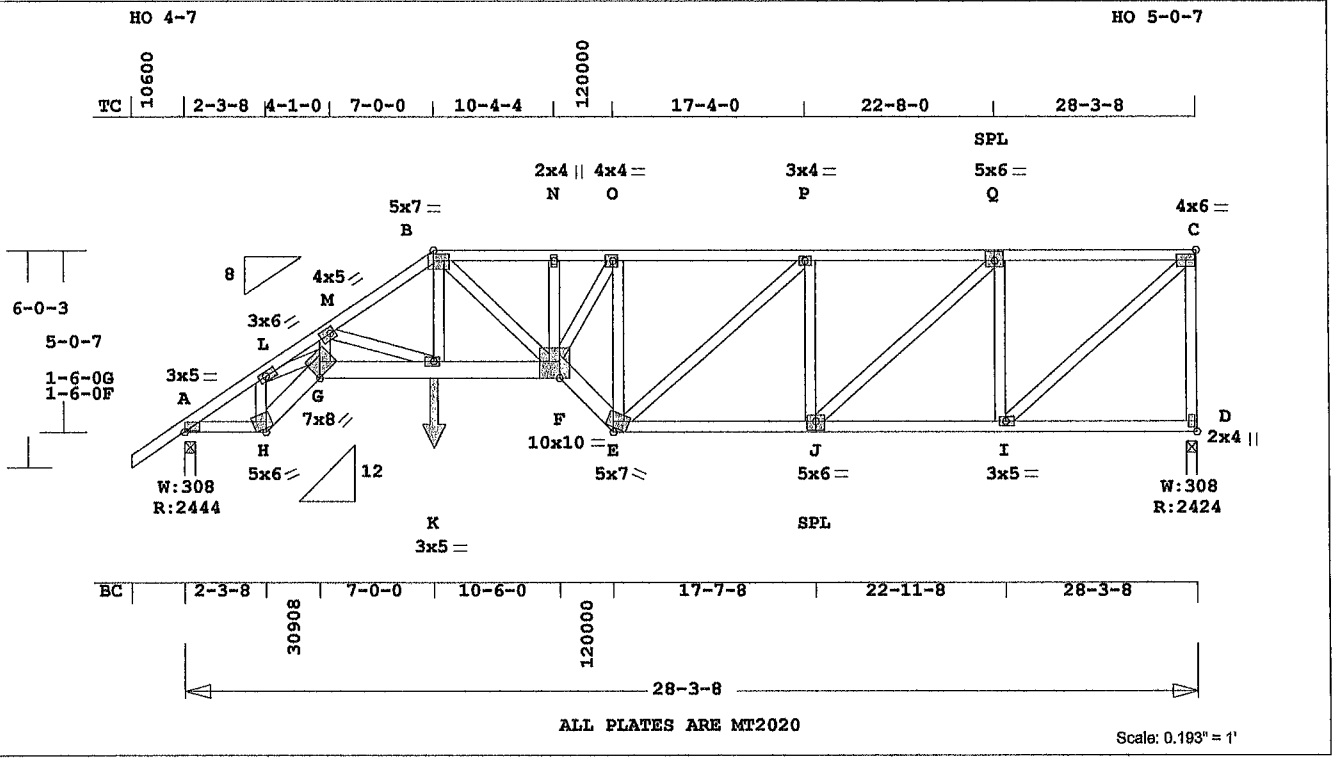


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A9GIR*	1*2P	SP	280308	8	1- 6- 0	0	*T6295408*

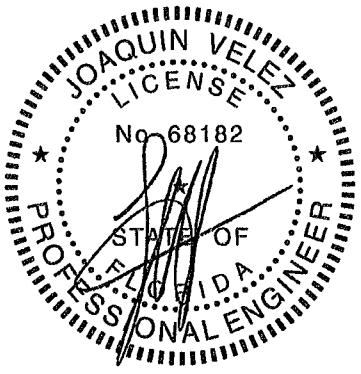
COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX TRUSS WEIGHT. 237 1 LBS

```
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 81  2x 4  SP-#2
BC   0 87  2x 6  SP-#2
--   0 68  2x 4  SP-#2
     A -H   E -J   J -D
WB   0 57  2x 4  SP-#2

Brace truss as follows
      O C       From       To
 TC   Cont      0- 0- 0 28- 3- 8
 or    30 0"    0- 0- 0 28- 3- 8
 BC   Cont      0- 0- 0 28- 3- 8
 or   120 0"    0- 0- 0 28- 3- 8

psf-Ld  Dead  Live
TC       10 0  20 0
BC       10 0   0 0
TC+BC    20 0  20 0
Total    40 0   Spacing  24 0"
Lumber Duration Factor  1 25
Plate  Duration Factor  1 25
         Fb     Fc     Ft    Emin
TC      1 00   1 00   1 00   1 00
BC      1 00   1 00   1.00   1 00

Total Load Reactions (Lbs)
Jt  Down  Uplift  Horiz-
A   2444            63 R
D   2424           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'   28 3'
BC V    20     0    0 0'   28 3'
TC V    25    50    7 0'   27 3'
TC V   -20   -40   27.3'   28 3'
BC V    25     0    7 0'   27 3'
BC V   -20     0   27 3'   28 3'
BC V   280   280    7 0'   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-CSI-Bnd
----------Top Chords----------
A -L   0 33  3987 C   0 04   0 29
L -M   0 81 10006 C   0 27   0 54
M -B   0 66  5202 C   0 07   0 59
B -N   0 30  5745 C   0 10   0 20
N -O   0 33  5746 C   0 09   0 24
O -P   0 38  3909 C   0 04   0 34
P -Q   0 43  3701 C   0 03   0 40
Q -C   0 42  2447 C   0 01   0 41
--------Bottom Chords----------
A -H   0 68  3255 T   0 36   0 32
H -G   0.86  4009 T   0.32   0.54
G -K   0 87  7662 T   0 61   0 26
K -F   0 55  4405 T   0.35   0 20
F -E   0 68  5200 T   0 42   0 26
E -J   0 56  3701 T   0 41   0 15
J -I   0 40  2447 T   0 27   0 13
I -D   0 23    95 T   0 00   0 23
----------Webs----------
H -L   0 12  2320 C
L -G   0 57  5094 T
G -M   0 45  4012 T
M -K   0 22  3397 C
K -B   0 13  1207 T
B -F   0 19  1768 T
F -N   0 01   185 C
F -O   0 37  3289 T
E -O   0 32  3373 C
E -P   0 03   276 T
J -P   0 08   906 C
J -Q   0 18  1678 T
I -Q   0 18  1906 C
I -C   0 36  3275 T
D -C   0 22  2362 C WindLd

TL Defl  -0 62" in F -E  L/533
LL Defl  -0 25" in F -E  L/999
Hz Disp    LL       DL       TL
  Jt D   0 17"    0 25"    0 42"
Shear // Grain  in Q -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  3 0x 5 0 Ctr Ctr 0 94
L  MT20  3 0x 6 0 0.4 0.3 0 90
M  MT20  4.0x 5 0-0.8-0 6 0.84
B  MT20  5 0x 7 0 Ctr-0 2 0 96
N  MT20  2.0x 4.0 Ctr Ctr 0 17
O  MT20  4 0x 4 0-0.5 Ctr 0 85
P  MT20  3 0x 4 0 Ctr Ctr 0 21
Q  MT20  5.0x 6.0 Ctr 0.5 0.70
C  MT20  4.0x 6 0 Ctr Ctr 0 65
H  MT20  5.0x 6.0-1.4 3 5 0.65
G  MT20  7 0x 8 0 0.2-0 2 0 90
K  MT20  3 0x 5.0-0 5 Ctr 0 80
F  MT20 10 0x10.0 Ctr-0 5 0 55
E  MT20  5 0x 7 0 1 5 3 6 0.86
J  MT20  5 0x 6 0 Ctr-0 5 0 67
I  MT20  3 0x 5 0 0 5 Ctr 0 86
D  MT20  2 0x 4 0 Ctr Ctr 0 41

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  11 0 in
BC 10d Gun Nails     1  12 0 in
WB 10d Gun Nails     1   8 0 in
  BC Connection Exception --
  Space connectors for the
  following bottom chords -
    H -G  2 rows @ 12.0" o c
    G -F  2 rows @ 12.0" o.c
    F -E  2 rows @ 12.0" o.c.
  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    10006 Lbs
Max tens  force     7662 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
```

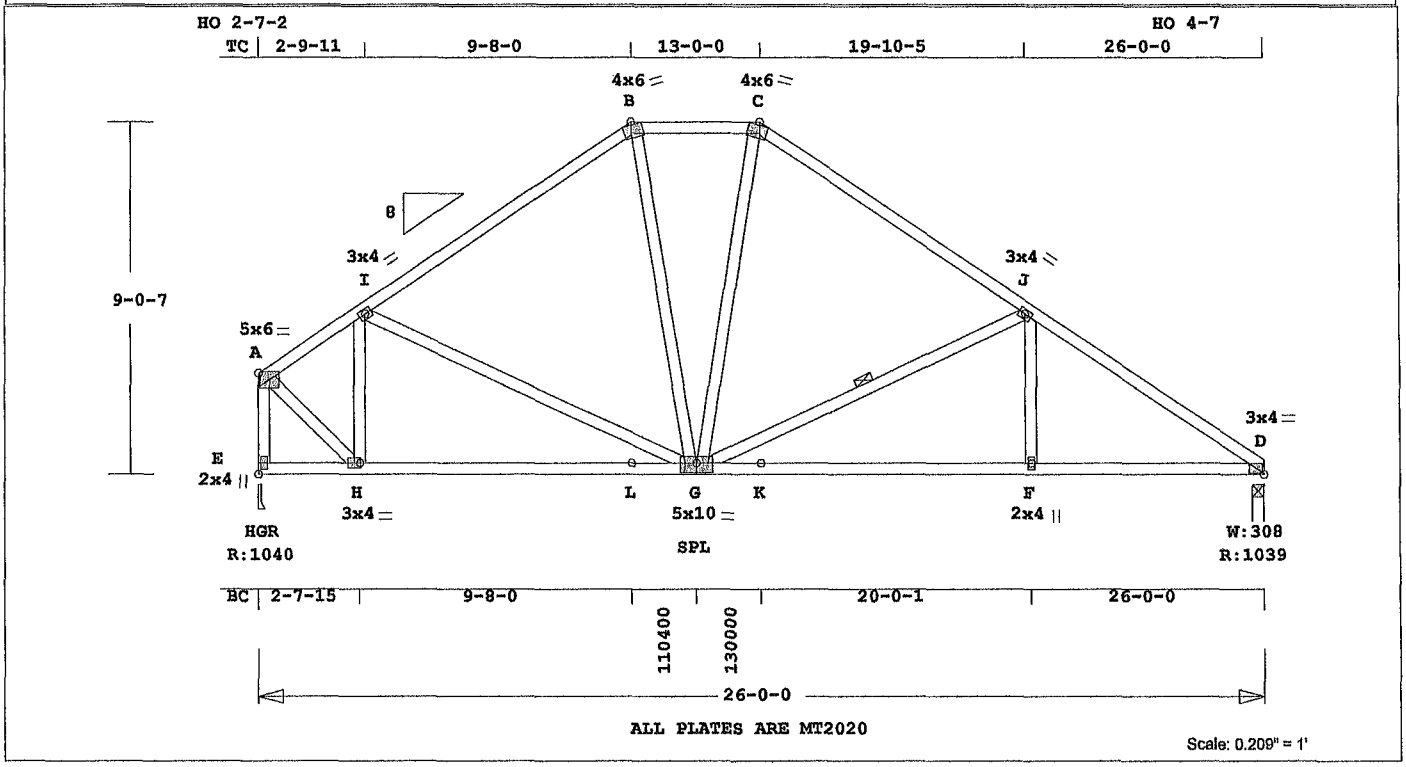


FL Cert. 6634

May 6,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1503	*A10*	1	HIPP	260000	8	0	0	*T6295409*

COTTAGE GROVE 1503



MiTek® Online Plus™ APPROX TRUSS WEIGHT 198 7 LBS

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	0.56	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.22	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: G -J
Attach CLR with (2)-10d nails at each web.
Refer to BCSI for diagonal restraint requirements

psf-Ld	Dead	Live
TC	10 0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25

	Fb	Fc	Ft	Emin
TC	1 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	1040		159 R
D	1040		132 R

Jt	Brg Size	Required
E	3.5"	1.5"
D	3.5"	1 5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -I	0.43	736 C	0.00 0.43
I -B	0.56	887 C	0 04 0.52
B -C	0 18	763 C	0 00 0.18
C -J	0.53	888 C	0.04 0 49
J -D	0.46	1462 C	0.01 0.45
Bottom Chords			
E -H	0.30	136 T	0.00 0.30
H -G	0 55	680 T	0.08 0.47
G -F	0.62	1227 T	0.15 0.47
F -D	0.45	1227 T	0.15 0.30
Webs			
E -A	0.14	1046 C	WindLd
A -H	0 20	898 T	
H -I	0.14	476 C	
I -G	0.07	121 T	
B -G	0.05	266 T	
G -C	0.05	265 T	
G -J	0 22	551 C	1 Br
F -J	0.05	295 T	

TL Defl -0.25" in G -F L/999
LL Defl -0.11" in G -F L/999
Shear // Grain in I -B 0.24

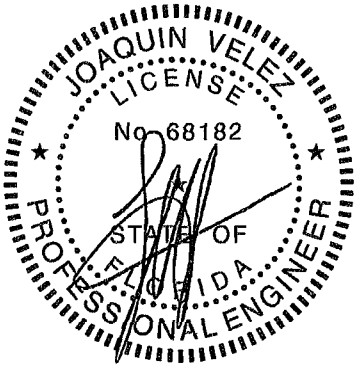
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	5.0x 6.0	Ctr	-0.3	0.61
I	MT20	3.0x 4.0	Ctr	Ctr	0.50
B	MT20	4.0x 6.0	0.8	-2 8	0.49
C	MT20	4.0x 6.0	-0.8	-2.8	0.48
J	MT20	3.0x 4.0	Ctr	Ctr	0.50
D	MT20	3.0x 4.0	Ctr	Ctr	0.85
E	MT20	2.0x 4.0	Ctr	Ctr	0 30
H	MT20	3.0x 4.0	Ctr	Ctr	0.69
G	MT20	5.0x10.0	Ctr	-0.5	0.57
F	MT20	2.0x 4.0	Ctr	Ctr	0.34

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc
Analysis Conforms To:
FBC2010
TPI 2007
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 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 1462 Lbs
Max tens. force 1227 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