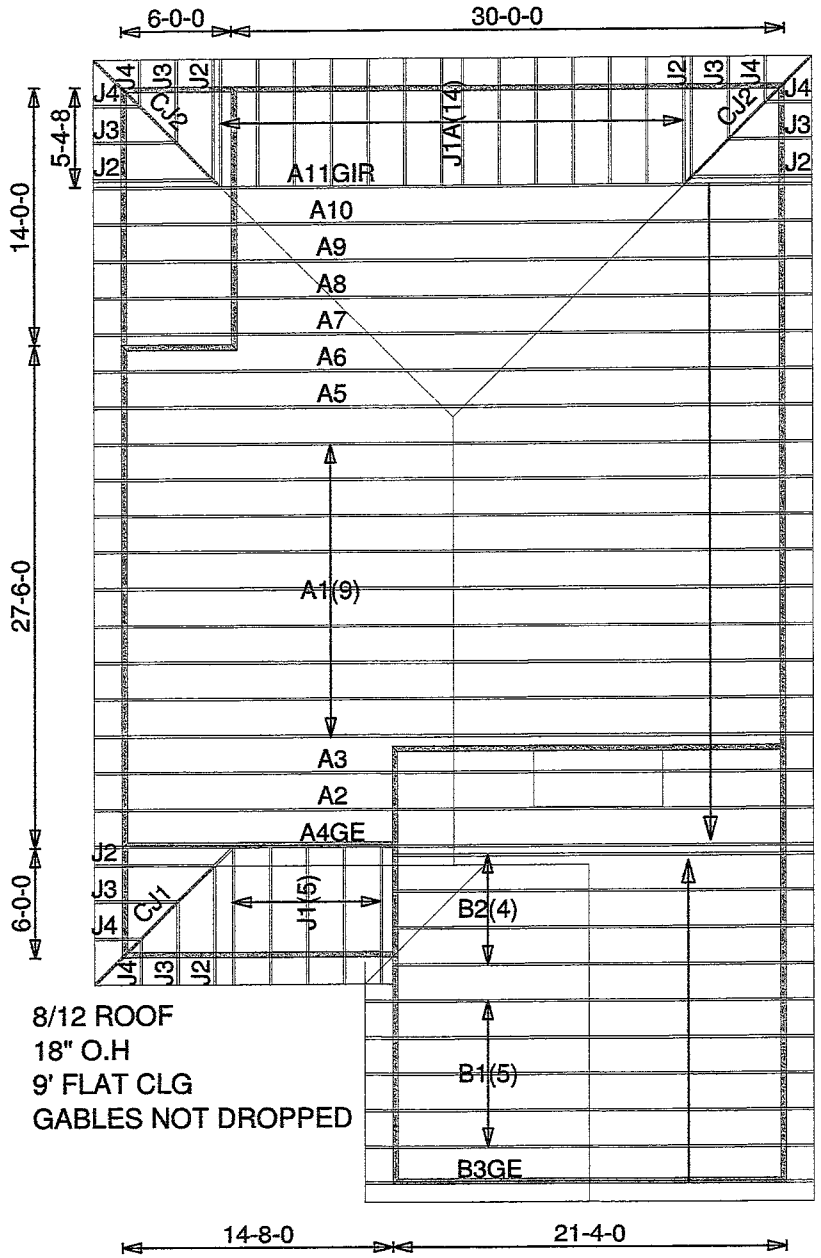
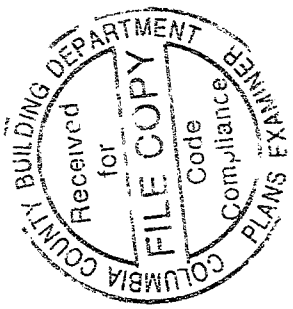
#31974



8/12 ROOF
18" O.H
9' FLAT CLG
GABLES NOT DROPPED



INNOVATIVE
Rose Pointe
LAKE CITY
MODEL 1302
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-1302
Designer: C. LITTLE
Checker:
Date: 04-25-14

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-1302 -

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

Site Information:
Customer Info: INNOVATIVE Project Name: ~~COTTAGE GROVE~~ MODEL 1302 Model:
Lot/Block: . Subdivision: Rose Pointe
Address: 1302 MODEL
City: LAKE CITY State: FLORIDA

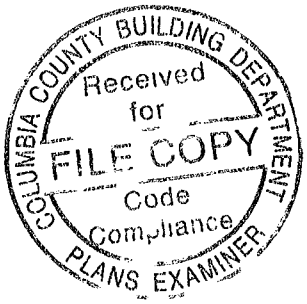
Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

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 21 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.

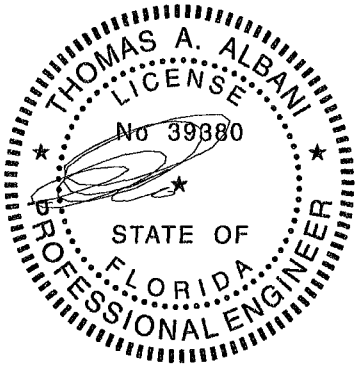
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T6277961	A1	4/25/014	18	T6277978	J1A	4/25/014
2	T6277962	A2	4/25/014	19	T6277979	J2	4/25/014
3	T6277963	A3	4/25/014	20	T6277980	J3	4/25/014
4	T6277964	A4GE	4/25/014	21	T6277981	J4	4/25/014
5	T6277965	A5	4/25/014				
6	T6277966	A6	4/25/014				
7	T6277967	A7	4/25/014				
8	T6277968	A8	4/25/014				
9	T6277969	A9	4/25/014				
10	T6277970	A10	4/25/014				
11	T6277971	A11GIR	4/25/014				
12	T6277972	B1	4/25/014				
13	T6277973	B2	4/25/014				
14	T6277974	B3GE	4/25/014				
15	T6277975	CJ1	4/25/014				
16	T6277976	CJ2	4/25/014				
17	T6277977	J1	4/25/014				



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

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

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

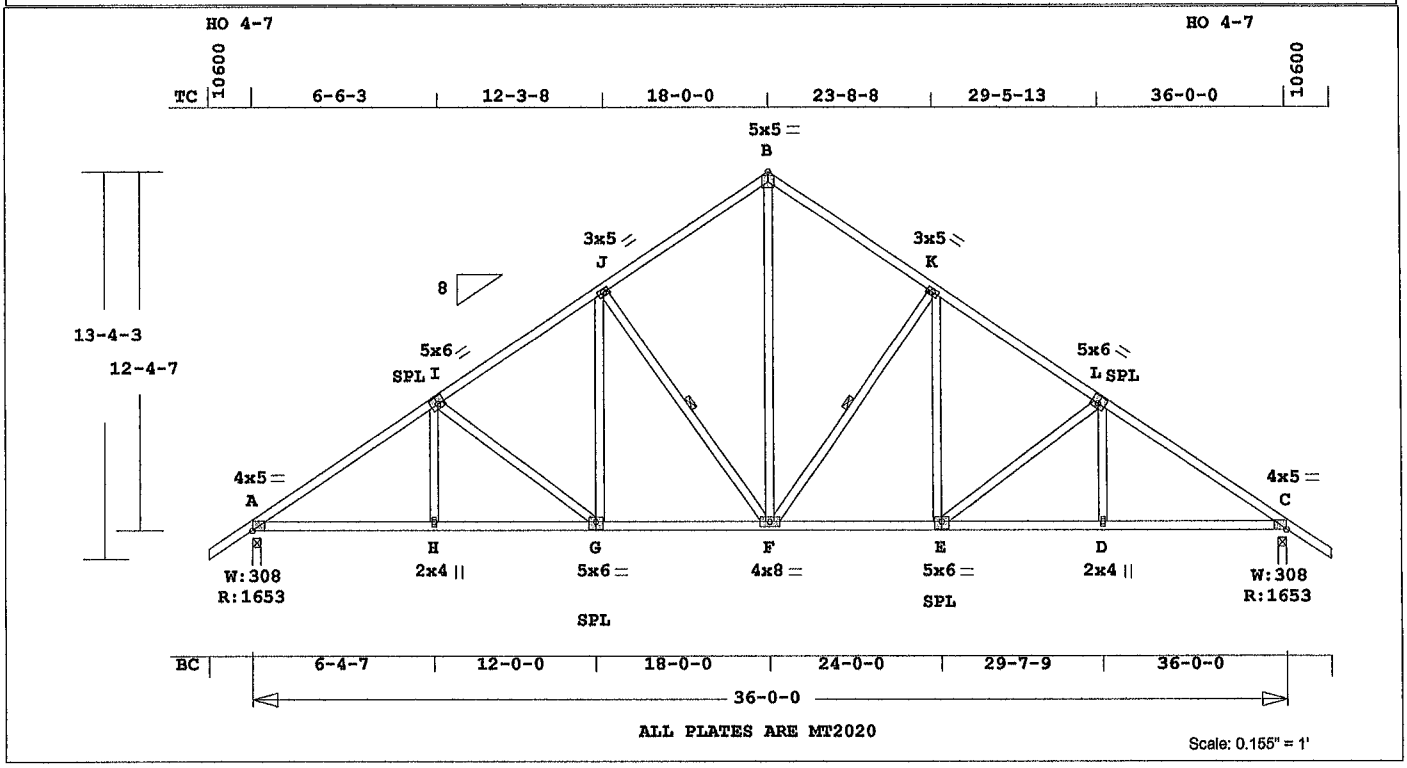


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
INN-CG-1302	*A1*	9	TR	360000	8	1- 6- 0	1- 6- 0	*T6277961*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT. 287 1 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	0.56	2x 4	SP-#2
WB	0 49	2x 4	SP-#2

Brace truss as follows:

	O.C	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	42.0"	0- 0- 0	36- 0- 0
BC	Cont	0- 0- 0	36- 0- 0
or	120 0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
J -F F -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	1653		198 R
C	1653		198 R

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

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	2307 C	0.05	0.33
I -J	0.34	1921 C	0.02	0.32
J -B	0.33	1460 C	0.01	0.32
B -K	0.33	1460 C	0.01	0.32
K -L	0.34	1921 C	0.02	0.32
L -C	0.38	2307 C	0.05	0.33
--------Bottom Chords---------				
A -H	0.52	1918 T	0.39	0.13
H -G	0.56	1918 T	0.39	0.17
G -F	0.56	1599 T	0.32	0.24
F -E	0.56	1599 T	0.32	0.24
E -D	0.56	1918 T	0.39	0.17
D -C	0.52	1918 T	0.39	0.13
----------Webs----------				
H -I	0.04	235 T		
I -G	0.36	411 C		
G -J	0.10	444 T		
J -F	0.30	665 C		1 Br
F -B	0.49	1272 T		
F -K	0.30	665 C		1 Br
E -K	0.10	444 T		
E -L	0.36	411 C		
D -L	0.04	235 T		

TL Defl -0.30" in F -E L/999
LL Defl -0.14" in F -E L/999
Shear // Grain in A -I 0.19

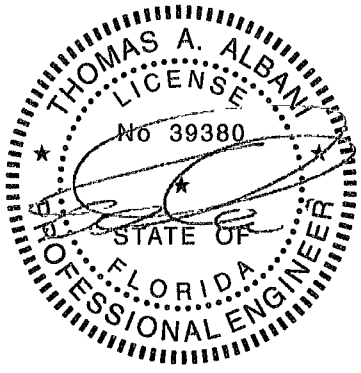
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.76
I	MT20	5.0x 6.0	-0.3	0.5	0.67
J	MT20	3.0x 5.0	Ctr	Ctr	0.37
B	MT20	5.0x 5.0	Ctr	Ctr	0.53
K	MT20	3.0x 5.0	Ctr	Ctr	0.37
L	MT20	5.0x 6.0	0.3	0.5	0.67
C	MT20	4.0x 5.0	Ctr	0.1	0.76
H	MT20	2.0x 4.0	Ctr	Ctr	0.34
G	MT20	5.0x 6.0	Ctr	-0.5	0.72
F	MT20	4.0x 8.0	Ctr	Ctr	0.48
E	MT20	5.0x 6.0	Ctr	-0.5	0.72
D	MT20	2.0x 4.0	Ctr	Ctr	0.34

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C.
in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location
Wind Speed: 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 2307 Lbs
Max tens. force 1918 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

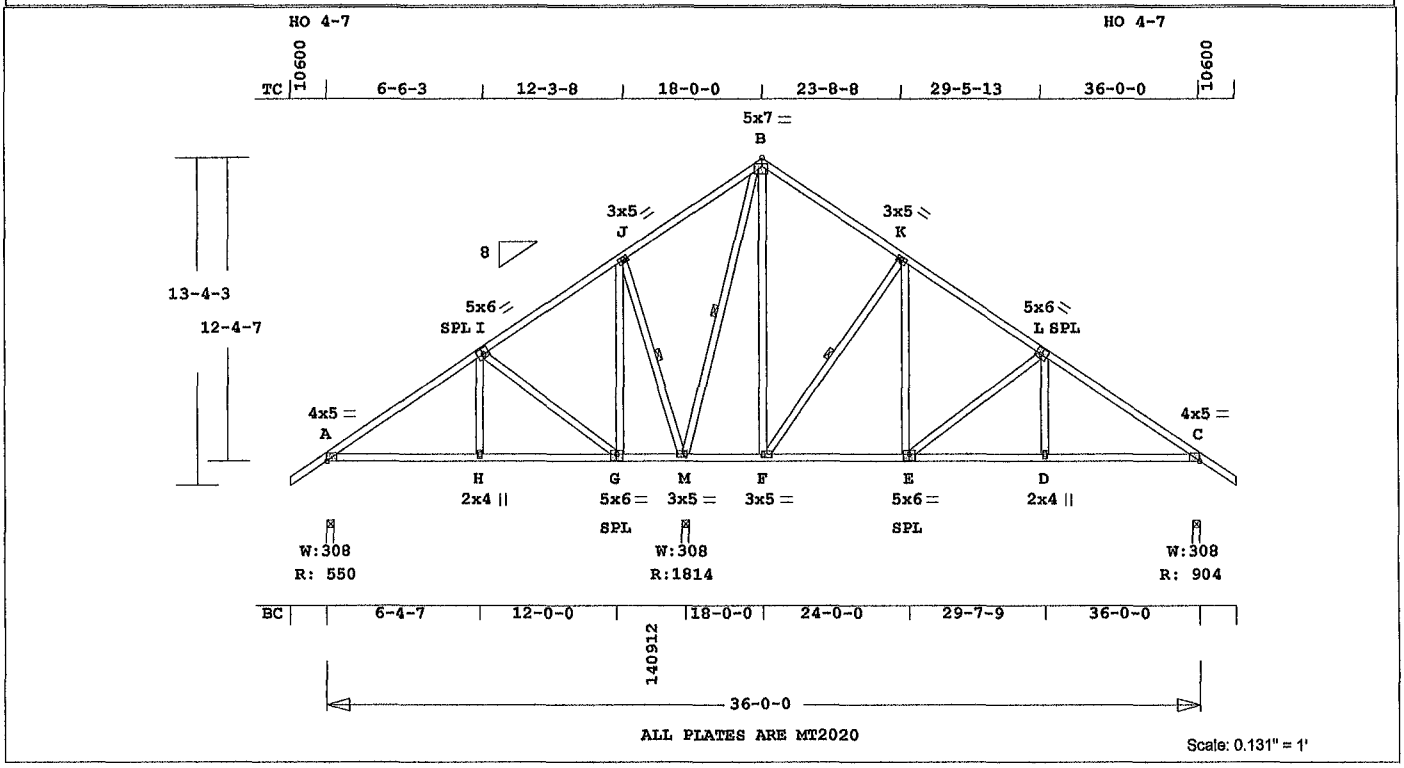


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A2	1	TR	360000	8	1- 6- 0	1- 6- 0	T6277962

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT 307.3 LBS

Online Plus -- Version 30 0.023
RUN DATE: 25-APR-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 36	2x 4	SP-#2
WB	0 82	2x 4	SP-#2

Brace truss as follows:

	O C.	From	To
TC	Cont	0- 0- 0	36- 0- 0
or	48 0"	0- 0- 0	36- 0- 0
BC	Cont	0- 0- 0	36- 0- 0
or	72 0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs: J -M M -B F -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	551		197 R
M	1814		
C	905		197 R

Jt	Brg Size	Required
A	3.5"	1 5"
M	3.5"	1.9"
C	3.5"	1 5"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
--------Top Chords--------			
A -I	0.38	404 C	0.00 0 38
I -J	0.37	79 T	0.02 0.35
J -B	0 38	251 T	0.03 0.35
B -K	0 32	180 C	0.00 0.32
K -L	0.35	600 C	0 00 0.35
L -C	0 36	1011 C	0 00 0 36
--------Bottom Chords--------			
A -H	0.29	422 T	0.07 0.22
H -G	0 28	422 T	0 04 0 24
G -M	0.11	140 C	0.00 0 11
M -F	0.15	199 T	0.01 0 14
F -E	0 34	546 T	0 10 0.24
E -D	0 36	902 T	0.17 0 19
D -C	0.35	902 T	0 17 0 18
----------Webs----------			
H -I	0 05	271 T	
I -G	0.42	475 C	
G -J	0.07	373 T	
J -M	0.21	609 C	1 Br
M -B	0 82	1180 C	1 Br
F -B	0 17	734 T	
F -K	0 31	686 C	1 Br
E -K	0.10	471 T	
E -L	0.39	444 C	
D -L	0 04	249 T	

TL Defl -0.12" in F -E L/999
LL Defl -0.06" in F -E L/999
Shear // Grain in A -I 0 21

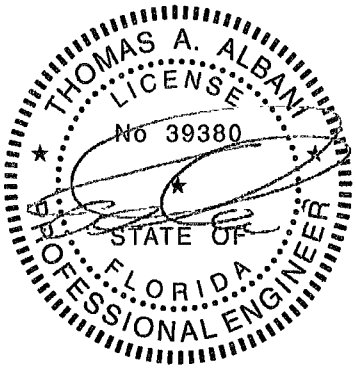
Plates for each ply each face
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5 0	Ctr 0 1		0.37
I	MT20	5.0x 6.0-0.3	0.5		0.69
J	MT20	3 0x 5.0	Ctr Ctr		0.37
B	MT20	5.0x 7.0-0.5-1	0		0.65
K	MT20	3.0x 5.0	Ctr Ctr		0.37
L	MT20	5.0x 6.0	0.3 0.5		0.66
C	MT20	4.0x 5.0	Ctr 0 1		0.37
H	MT20	2.0x 4.0	Ctr Ctr	0	34
G	MT20	5.0x 6.0	Ctr-0.5	0	39
M	MT20	3 0x 5.0	Ctr Ctr	0	46
F	MT20	3.0x 5.0	Ctr Ctr	0	52
E	MT20	5 0x 6.0	Ctr-0.5	0.51	
D	MT20	2 0x 4.0	Ctr Ctr	0	34

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B C in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B C and any other member
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location
Wind Speed: 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 1180 Lbs
Max tens force 902 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1 5 which is used to calculate total load deflection.

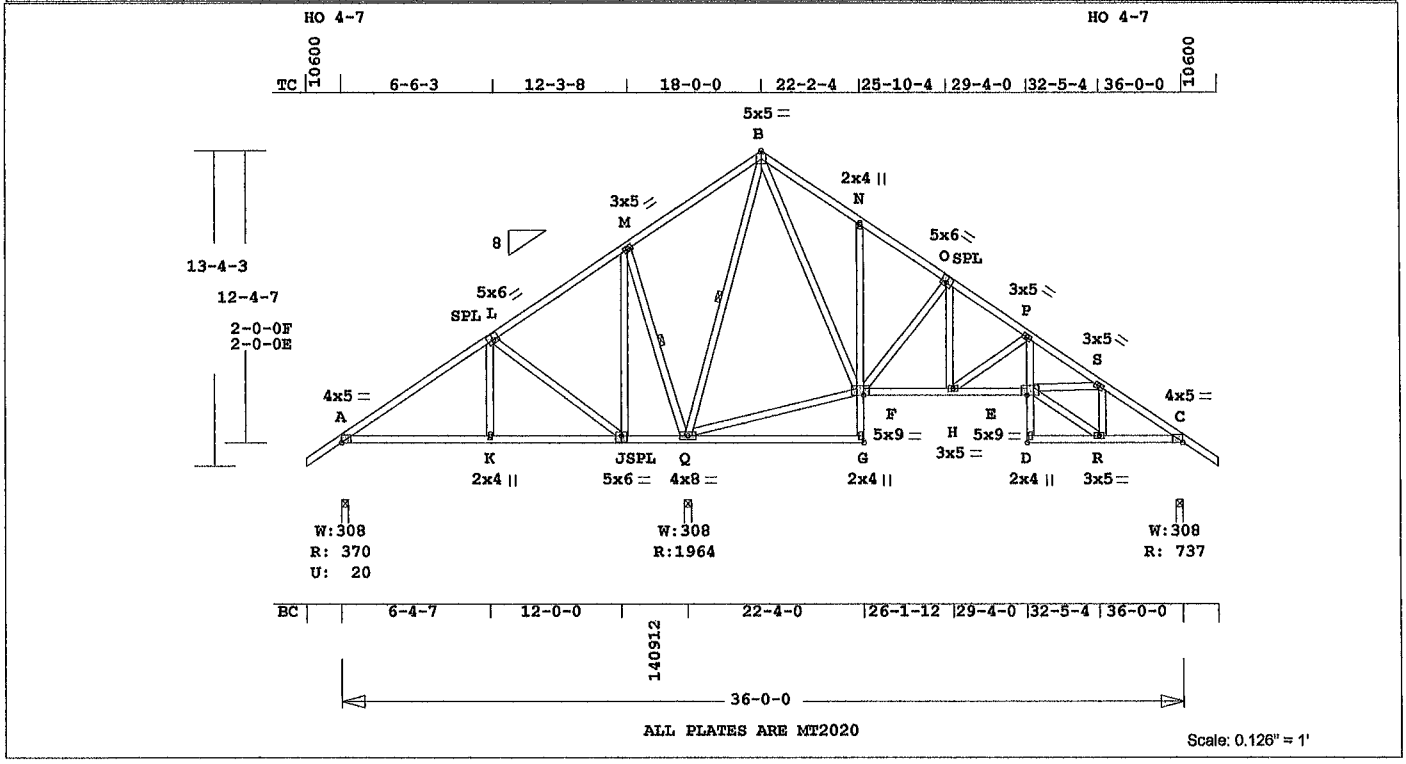


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	*A3*	1	SP	360000	8	1- 6- 0	1- 6- 0	*T6277963*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 332.7 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0 52	2x 4	SP-#2
BC	0 41	2x 4	SP-#2
CW	0.14	2x 4	SP-#2
WB	0 88	2x 4	SP-#2

Brace truss as follows

	O C	From	To
TC	Cont	0- 0- 0	36- 0- 0
or	48 0"	0- 0- 0	36- 0- 0
BC	Cont	0- 0- 0	36- 0- 0
or	72 0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
M -Q Q -B

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	370	20 U	198 R
Q	1965		
C	737		198 R

Jt	Brg Size	Required
A	3.5"	1.5"
Q	3.5"	2.1"
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	0.39	92 T	0.00 0.39
L -M	0.49	384 T	0.09 0.40
M -B	0.52	551 T	0.09 0.43
B -N	0.35	272 C	0.00 0.35
N -O	0 15	214 C	0.00 0.15
O -P	0.15	608 C	0 00 0.15
P -S	0 09	1194 C	0.01 0 08
S -C	0 11	858 C	0 00 0 11
---------Bottom Chords----------			
A -K	0 27	222 T	0 01 0 26
K -J	0 26	222 T	0 00 0 26
J -Q	0.37	358 C	0 00 0 37
Q -G	0 41	5 T	0.00 0 41
F -H	0.15	584 T	0 10 0 05
H -E	0 26	1099 T	0 20 0 06
D -R	0 06	15 T	0 00 0 06
R -C	0 20	773 T	0 14 0.06
----------Chord-Webs----------			
G -F	0 04	120 T	0 01 0.03
F -N	0 07	194 C	0 03 0 04
D -E	0 08	53 T	0.00 0 08
E -P	0.14	505 T	0 10 0 04
----------Webs----------			
K -L	0 05	283 T	
L -J	0 42	480 C	
J -M	0.06	304 T	
M -Q	0.20	599 C	1 Br
Q -B	0 88	1239 C	1 Br
Q -F	0.30	297 C	
B -F	0.20	771 T	
F -O	0 35	574 C	
H -O	0 09	446 T	
H -P	0 18	625 C	
E -S	0.06	320 T	
E -R	0 18	901 T	
R -S	0.05	427 C	

TL Defl -0 25" in Q -G L/994
LL Defl -0 11" in Q -G L/999
Shear // Grain in M -B 0 22

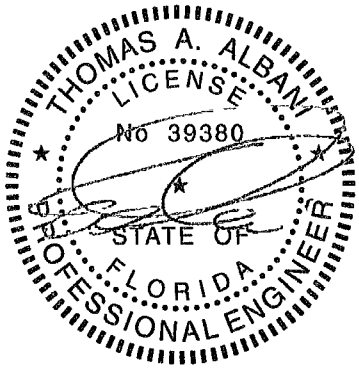
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0 1	0 37
L	MT20	5.0x 6.0	-0.3	0.5	0.70
M	MT20	3.0x 5.0	Ctr	Ctr	0.37
B	MT20	5.0x 5.0	Ctr	Ctr	0.76
N	MT20	2.0x 4.0	Ctr	Ctr	0.29
O	MT20	5 0x 6.0	0.3	0.5	0.46
P	MT20	3.0x 5.0	Ctr	Ctr	0.45
S	MT20	3.0x 5.0	Ctr	Ctr	0.37
C	MT20	4.0x 5 0	Ctr	0.1	0.37
K	MT20	2.0x 4.0	Ctr	Ctr	0.34
J	MT20	5.0x 6.0	Ctr	-0.5	0.39
Q	MT20	4.0x 8.0	Ctr	Ctr	0 31
G	MT20	2.0x 4.0	Ctr	Ctr	0.58
F	MT20	5.0x 9.0	Ctr	0.8	0.50
H	MT20	3.0x 5.0	Ctr	Ctr	0.33
E	MT20	5.0x 9.0	Ctr	0 8	0.40
D	MT20	2.0x 4.0	Ctr	Ctr	0 58
R	MT20	3 0x 5.0	Ctr	Ctr	0.49

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 1239 Lbs
Max tens. force 1099 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

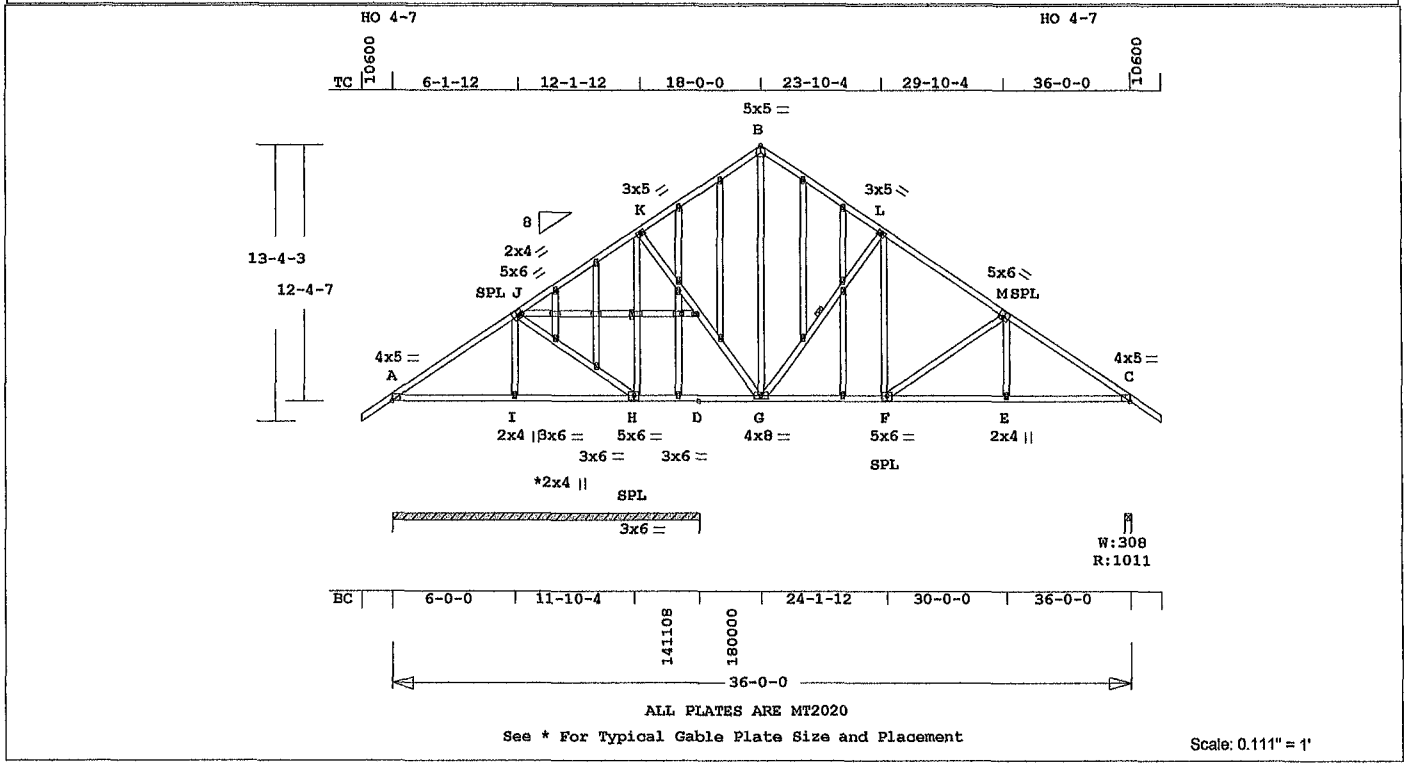


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A4GE	1	TR	360000	8	1- 6- 0	1- 6- 0	T6277964

COTTAGE GROVE MODEL 1302



ALL PLATES ARE MT2020

See * For Typical Gable Plate Size and Placement

Scale: 0.111" = 1'

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	0.33	2x 4	SP-#2
WB	0.39	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	48.0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	72.0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
H -K G -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-
D	2061		198 R
C	1011		198 R

Jt	Brg Size	Required
D	179.5"	0"-to- 180"
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	0.37	160 C	0.00 0.37
J -K	0.39	135 T	0.04 0.35
K -B	0.35	392 C	0.00 0.35
B -L	0.36	392 C	0.00 0.36
L -M	0.36	794 C	0.00 0.36
M -C	0.33	1220 C	0.01 0.32
Bottom Chords			
A -I	0.24	83 T	0.00 0.24
I -H	0.24	83 T	0.00 0.24
H -D	0.13	82 C	0.00 0.13
D -G	0.12	227 C	0.00 0.12
G -F	0.29	692 T	0.08 0.21
F -E	0.33	1056 T	0.12 0.21
E -C	0.32	1056 T	0.20 0.12
Webs			
I -J	0.01	96 T	
J -H	0.29	332 C	
H -K	0.36	1157 C	1 Br
K -G	0.14	669 T	
G -B	0.21	172 T	
G -L	0.28	626 C	1 Br
F -L	0.08	432 T	
F -M	0.39	439 C	
E -M	0.04	239 T	

TL Defl -0.10" in G -F L/999
LL Defl -0.04" in G -F L/999
Shear // Grain in A -J 0.21

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.37
J	MT20	5.0x 6.0	-0.3	0.5	0.71
K	MT20	3.0x 5.0	Ctr	Ctr	0.64
B	MT20	5.0x 5.0	Ctr	Ctr	0.45
L	MT20	3.0x 5.0	Ctr	Ctr	0.37
M	MT20	5.0x 6.0	0.3	0.5	0.61
C	MT20	4.0x 5.0	Ctr	0.1	0.41
I	MT20	2.0x 4.0	Ctr	Ctr	0.34
H	MT20	5.0x 6.0	Ctr	-0.5	0.39
G	MT20	4.0x 8.0	Ctr	Ctr	0.35
F	MT20	5.0x 6.0	Ctr	-0.5	0.57
E	MT20	2.0x 4.0	Ctr	Ctr	0.34

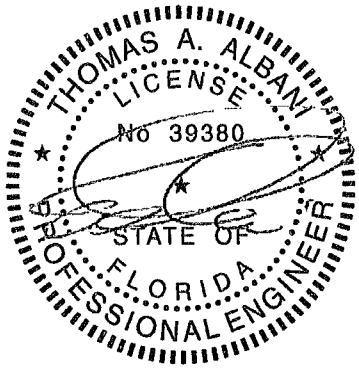
9 Gable studs to be attached with 2.0x4.0 plates each end.
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 378 6 LBS

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 1220 Lbs
Max tens. force 1056 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

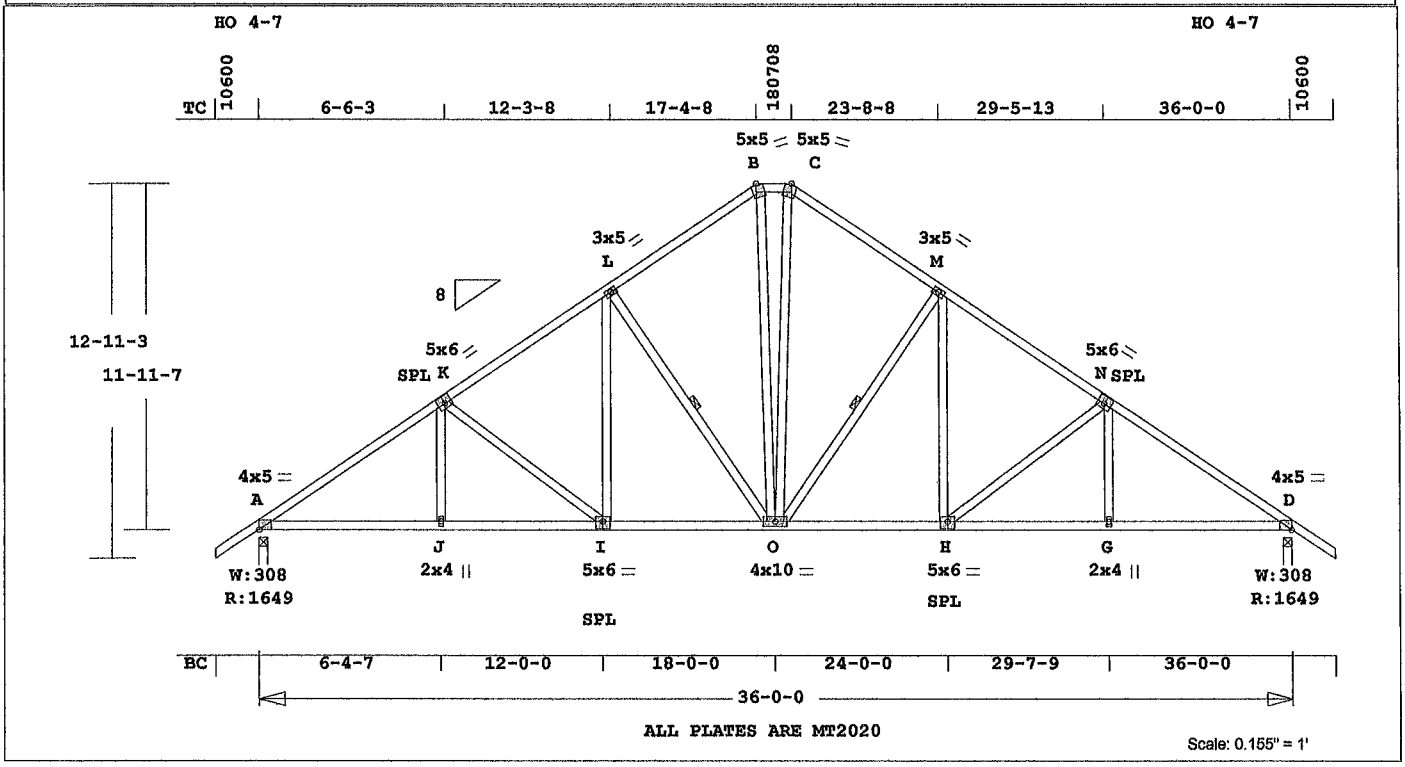


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A5	1	HIPP	360000	8	1- 6- 0	1- 6- 0	T6277965

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT 307.2 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.37	2x 4	SP-#2
BC	0.56	2x 4	SP-#2
WB	0.36	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	42.0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	120.0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
L -O O -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	1650		192 R
D	1650		192 R

Jt	Brg Size	Required
A	3.5"	1.9"
D	3.5"	1.9"

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 -K	0.37	2302 C	0.04	0.33
K -L	0.33	1915 C	0.03	0.30
L -B	0.30	1464 C	0.01	0.29
B -C	0.08	1237 C	0.04	0.04
C -M	0.30	1464 C	0.01	0.29
M -N	0.33	1915 C	0.03	0.30
N -D	0.37	2302 C	0.04	0.33
Bottom Chords				
A -J	0.52	1914 T	0.39	0.13
J -I	0.56	1914 T	0.39	0.17
I -O	0.55	1592 T	0.32	0.23
O -H	0.55	1592 T	0.32	0.23
H -G	0.56	1914 T	0.39	0.17
G -D	0.52	1914 T	0.39	0.13
Webs				
J -K	0.04	234 T		
K -I	0.36	415 C		
I -L	0.10	444 T		
L -O	0.29	653 C		1 Br
B -O	0.22	625 T		
O -C	0.22	625 T		
O -M	0.29	653 C		1 Br
H -M	0.10	444 T		
H -N	0.36	415 C		
G -N	0.04	234 T		

TL Defl -0.29" in O -H L/999
LL Defl -0.13" in O -H L/999
Shear // Grain in A -K 0.19

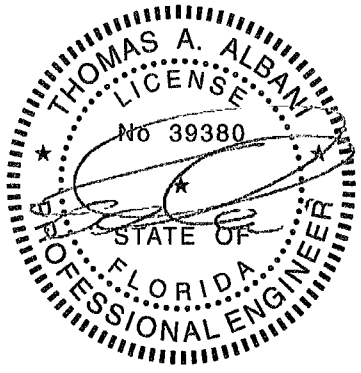
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.76
K	MT20	5.0x 6.0-0.3	0.5		0.68
L	MT20	3.0x 5.0	Ctr	Ctr	0.37
B	MT20	5.0x 5.0	0.9-3.1		0.61
C	MT20	5.0x 5.0-0.9-3.1			0.61
M	MT20	3.0x 5.0	Ctr	Ctr	0.37
N	MT20	5.0x 6.0	0.3	0.5	0.68
D	MT20	4.0x 5.0	Ctr	0.1	0.76
J	MT20	2.0x 4.0	Ctr	Ctr	0.34
I	MT20	5.0x 6.0	Ctr-0.5		0.71
O	MT20	4.0x10.0	Ctr	Ctr	0.38
H	MT20	5.0x 6.0	Ctr-0.5		0.71
G	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 2302 Lbs
Max tens. force 1914 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

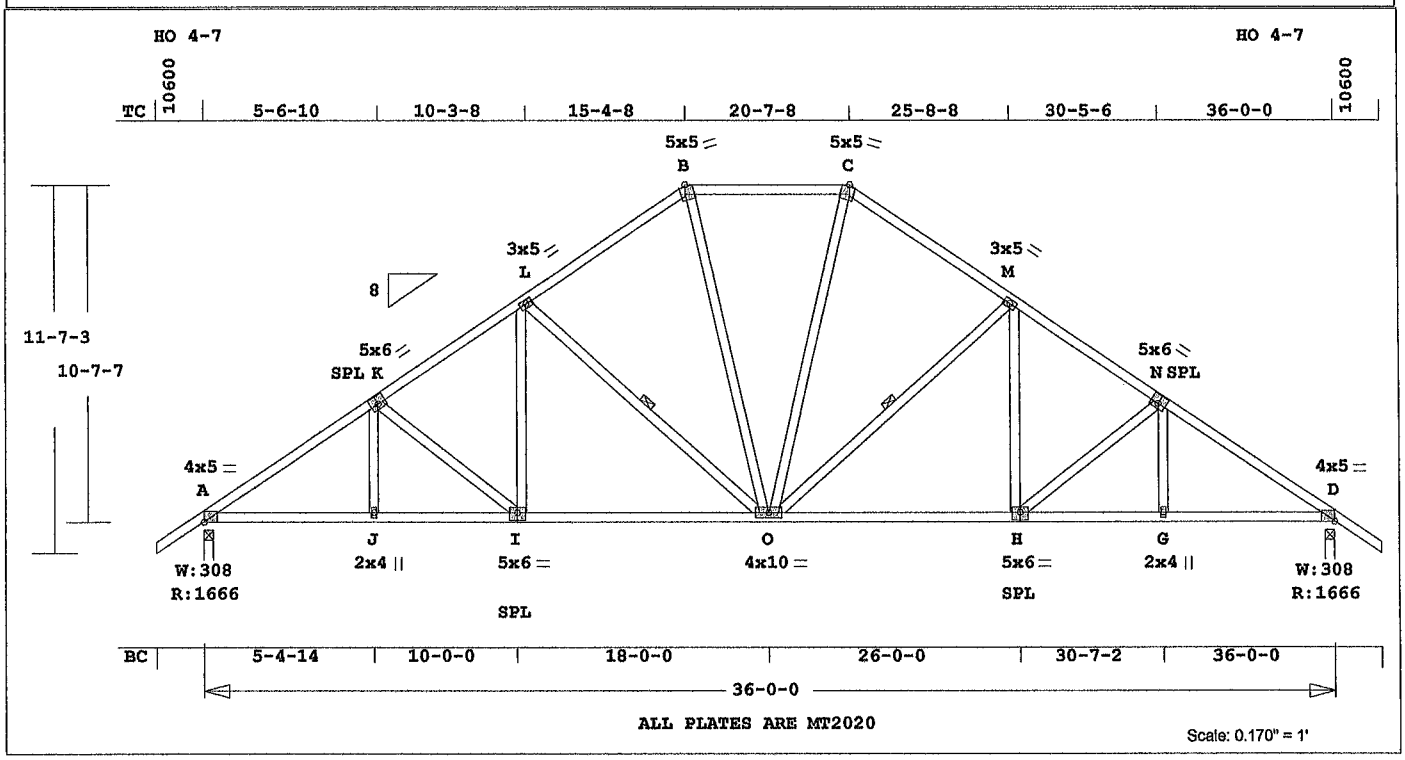


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A6	1	HIPP	360000	8	1- 6- 0	1- 6- 0	T6277966

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT. 290.9 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.74	2x 4	SP-#2
WB	0.30	2x 4	SP-#2

Brace truss as follows:

	O.C	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	42.0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	120 0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
L -O O -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	1666		169 R
D	1666		169 R

Jt	Brg Size	Required
A	3.5"	2 0"
D	3.5"	2.0"

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 -K	0 34	2358 C	0.05	0.29
K -L	0.26	2084 C	0.03	0.23
L -B	0.25	1517 C	0.02	0.23
B -C	0.29	1389 C	0.02	0.27
C -M	0.25	1517 C	0.02	0.23
M -N	0.26	2084 C	0.03	0.23
N -D	0.34	2358 C	0.05	0.29
--------Bottom Chords--------				
A -J	0 58	1956 T	0.40	0.18
J -I	0.68	1956 T	0.40	0.28
I -O	0.74	1736 T	0.35	0.39
O -H	0.74	1736 T	0.35	0.39
H -G	0.68	1956 T	0.40	0 28
G -D	0.58	1956 T	0.40	0.18
----------Webs----------				
J -K	0.03	159 T		
K -I	0.18	307 C		
I -L	0.09	424 T		
L -O	0.30	629 C		1 Br
B -O	0.12	541 T		
O -C	0.12	541 T		
O -M	0 30	629 C		1 Br
H -M	0.09	424 T		
H -N	0.18	307 C		
G -N	0.03	159 T		

TL Defl -0 37" in I -O L/999
LL Defl -0.18" in I -O L/999
Shear // Grain in I -O 0.22

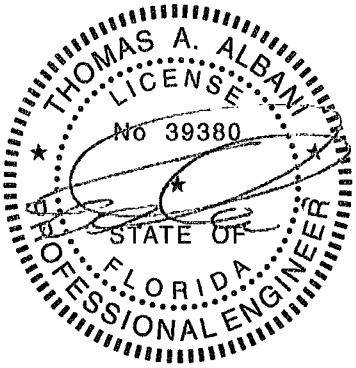
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.78
K	MT20	5.0x 6.0	-0.3	0.5	0.50
L	MT20	3.0x 5.0	Ctr	Ctr	0.37
B	MT20	5.0x 5.0	0.9	-3.1	0.76
C	MT20	5.0x 5.0	-0.9	-3.1	0.76
M	MT20	3.0x 5.0	Ctr	Ctr	0.37
N	MT20	5.0x 6.0	0.3	0.5	0.50
D	MT20	4.0x 5.0	Ctr	0.1	0.78
J	MT20	2.0x 4.0	Ctr	Ctr	0.34
I	MT20	5.0x 6.0	Ctr	-0.5	0.83
O	MT20	4.0x10.0	Ctr	Ctr	0.46
H	MT20	5.0x 6.0	Ctr	-0.5	0.83
G	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 2358 Lbs
Max tens force 1956 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

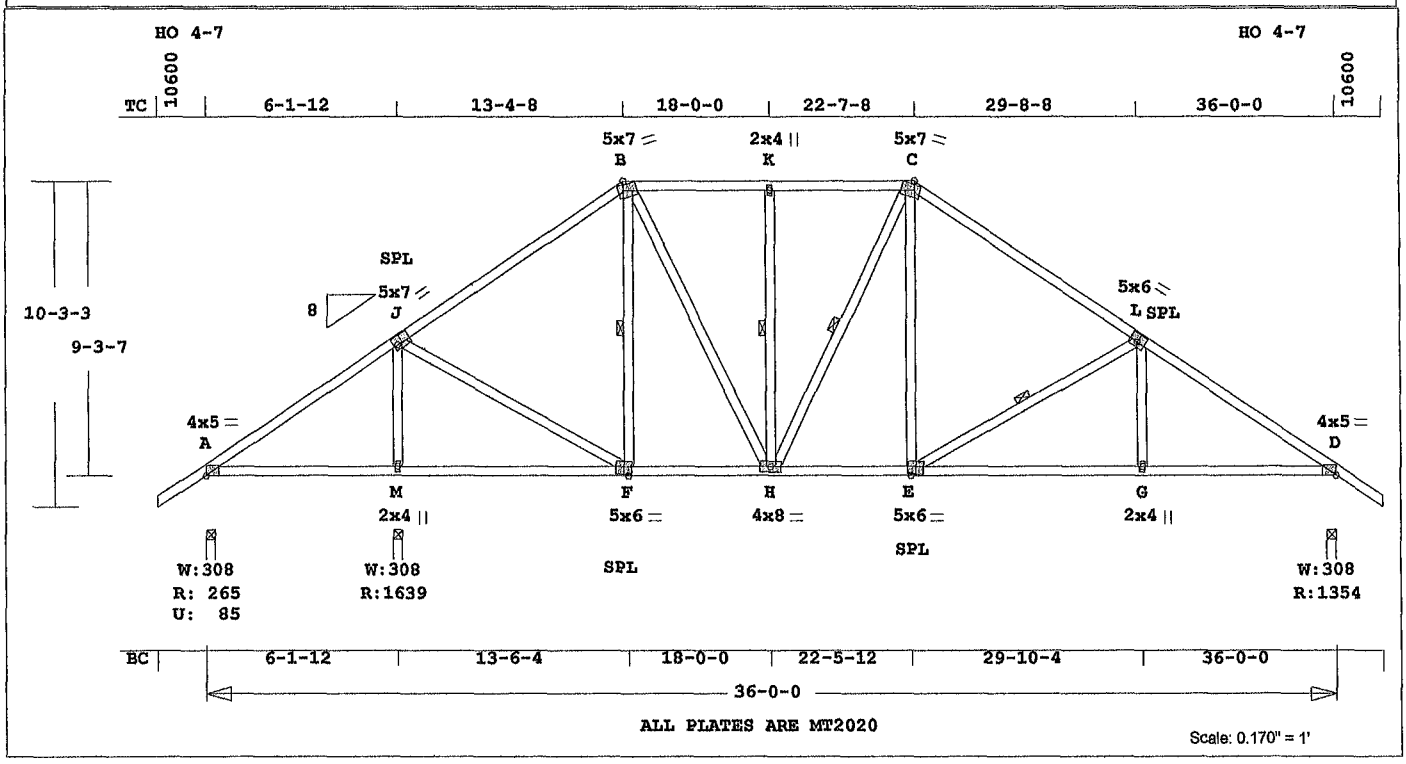


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A7	1	HIPP	360000	8	1- 6- 0	1- 6- 0	T6277967

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT 285.0 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.63	2x 4	SP-#2
BC	0.50	2x 4	SP-#2
WB	0.46	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	42 0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	72.0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
F -B H -K H -C E -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-
A	265	86 U	146 R
M	1640		
D	1354		147 R

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	1.7"
D	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 -J	0.58	148 T	0.03 0.55
J -B	0.58	979 C	0.01 0.57
B -K	0.19	1037 C	0.00 0.19
K -C	0.15	1037 C	0.00 0.15
C -L	0.63	1307 C	0.09 0.54
L -D	0.47	1821 C	0.02 0 45
Bottom Chords			
A -M	0.32	67 C	0.00 0.32
M -F	0.32	67 C	0.00 0.32
F -H	0.32	806 T	0.16 0.16
H -E	0.40	1077 T	0.22 0.18
E -G	0.50	1523 T	0.31 0.19
G -D	0.43	1523 T	0 18 0.25
Webs			
M -J	0.46	1474 C	
J -F	0.21	951 T	
F -B	0.10	278 C	1 Br
B -H	0.11	518 T	
H -K	0.09	254 C	1 Br
H -C	0.06	135 C	1 Br
E -C	0.10	449 T	
E -L	0.16	520 C	1 Br
G -L	0 05	276 T	

TL Defl -0.05" in A -M L/999
LL Defl -0.02" in A -M L/999
Shear // Grain in J -B 0.25

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.37
J	MT20	5.0x 7.0	-0.3	0.5	0.81
B	MT20	5.0x 7.0	1.6-3.4		0.63
K	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	1.6-3.4		0.87
L	MT20	5.0x 6.0	0.3	0.5	0.86
D	MT20	4.0x 5.0	Ctr	0.1	0.60
M	MT20	2.0x 4.0	Ctr	Ctr	0.38
F	MT20	5.0x 6.0	Ctr	-0.5	0.55
H	MT20	4.0x 8.0	Ctr	Ctr	0.26
E	MT20	5.0x 6.0	Ctr	-0.5	0.73
G	MT20	2.0x 4.0	Ctr	Ctr	0.34

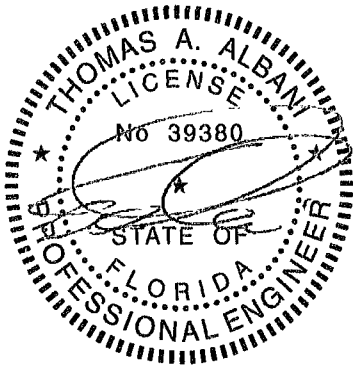
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	6- 1-12

Max comp. force 1821 Lbs
Max tens. force 1523 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

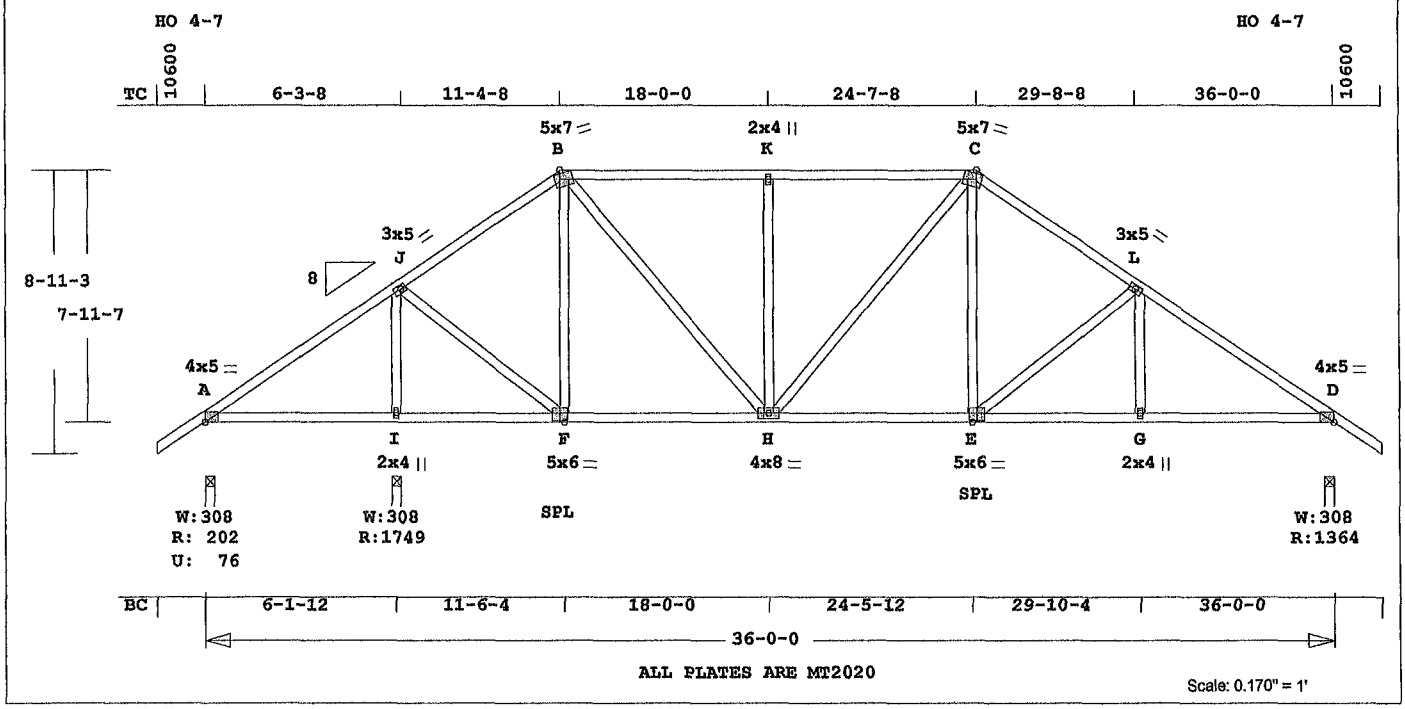


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A8	1	HIPP	360000	8	1- 6- 0	1- 6- 0	T6277968

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT: 269.4 LBS

Online Plus -- Version 30 0.023
RUN DATE: 25-APR-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 52	2x 4	SP-#2
WB	0.50	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	48.0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	72.0"	0- 0- 0	36- 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	203	77 U	124 R
I	1750		
D	1364		125 R

Jt	Brg Size	Required
A	3.5"	1.5"
I	3.5"	1.9"
D	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 -J	0.44	190 T	0.05 0.39
J -B	0.39	868 C	0.00 0.39
B -K	0.49	1237 C	0.01 0.48
K -C	0.49	1237 C	0.01 0.48
C -L	0.28	1459 C	0.01 0.27
L -D	0.33	1812 C	0.03 0.30
Bottom Chords			
A -I	0.27	143 C	0.00 0.27
I -F	0.23	143 C	0.00 0.23
F -H	0 43	715 T	0.14 0.29
H -E	0.52	1209 T	0.24 0.28
E -G	0.50	1507 T	0.30 0.20
G -D	0.42	1507 T	0.30 0.12
Webs			
I -J	0.50	1606 C	
J -F	0.24	1075 T	
F -B	0.47	455 C	
B -H	0.18	804 T	
H -K	0.45	437 C	
H -C	0.09	65 T	
E -C	0.09	441 T	
E -L	0.31	397 C	
G -L	0.04	223 T	

TL Defl -0.08" in A -I L/902
LL Defl -0.03" in A -I L/999
Shear // Grain in K -C 0.29

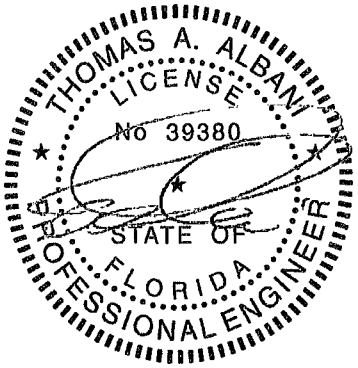
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.37
J	MT20	3.0x 5.0	-0.4	-0.3	0.73
B	MT20	5.0x 7.0	1.6	-3.4	0.62
K	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	-1.6	-3.4	0.83
L	MT20	3.0x 5.0	Ctr	Ctr	0.37
D	MT20	4.0x 5.0	Ctr	0.1	0.60
I	MT20	2.0x 4.0	Ctr	Ctr	0.41
F	MT20	5.0x 6.0	Ctr	-0.5	0.44
H	MT20	4.0x 8.0	Ctr	Ctr	0.42
E	MT20	5.0x 6.0	Ctr	-0.5	0.63
G	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
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 6- 1-12
Max comp. force 1812 Lbs
Max tens. force 1507 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

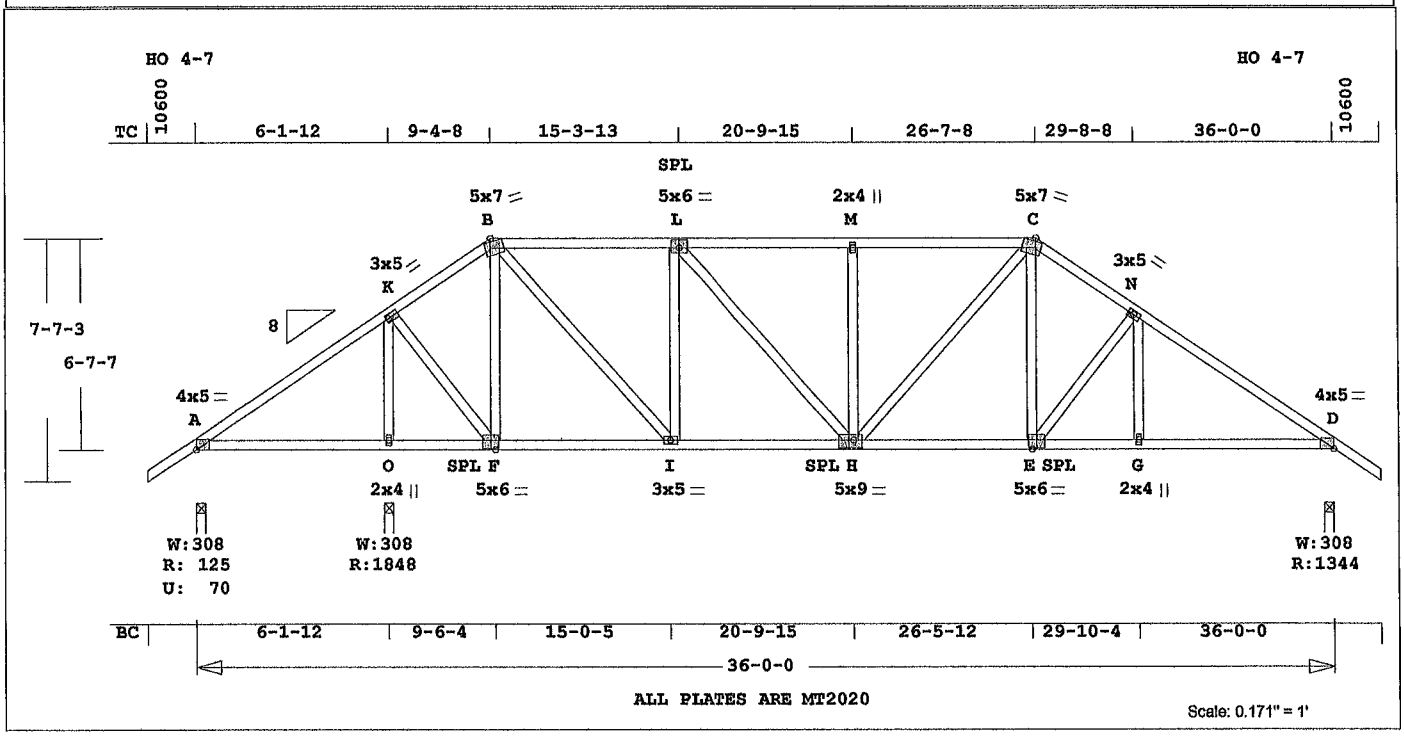


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
INN-CG-1302	*A9*	1	HIPP	360000	8	1- 6- 0	1- 6- 0	*T6277969*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT 275.7 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	0.44	2x 4	SP-#2
WB	0.53	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	42.0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	72 0"	0- 0- 0	36- 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	125	71 U	102 R
O	1849		
D	1345		103 R

Jt	Brg Size	Required
A	3.5"	1.5"
O	3.5"	2.0"
D	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	Ax1	CSI	Bnd
Top Chords					
A -K	0.45	320	T	0.08	0.37
K -B	0.34	583	C	0.00	0.34
B -L	0.30	1230	C	0.01	0 29
L -M	0.35	1491	C	0.01	0.34
M -C	0.36	1491	C	0.01	0.35
C -N	0.23	1551	C	0.01	0.22
N -D	0.37	1772	C	0.05	0.32
Bottom Chords					
A -O	0.30	255	C	0.00	0.30
O -F	0.21	255	C	0.00	0.21
F -I	0.28	472	T	0.09	0.19
I -H	0.43	1230	T	0.25	0.18
H -E	0.43	1288	T	0.26	0.17
E -G	0.42	1469	T	0.30	0.12
G -D	0.44	1469	T	0.30	0.14
Webs					
O -K	0.53	1703	C		
K -F	0.25	1134	T		
F -B	0.52	749	C		
B -I	0.25	1131	T		
I -L	0.44	633	C		
L -H	0.08	391	T		
H -M	0.25	369	C		
H -C	0.06	302	T		
E -C	0.08	377	T		
E -N	0.15	316	C		
G -N	0.03	185	T		

TL Defl -0.08" in A -O L/828
LL Defl -0.03" in A -O L/999
Shear // Grain in M -C 0.25

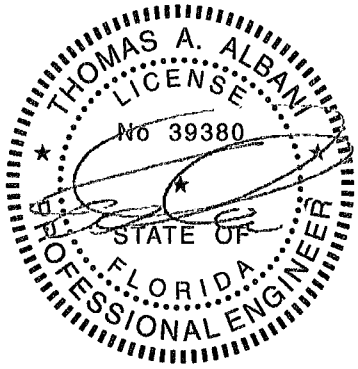
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0 1	0.37
K	MT20	3.0x 5.0	-0.4	-0.3	0.82
B	MT20	5.0x 7.0	1.6	-3.4	0.87
L	MT20	5.0x 6.0	Ctr	0.5	0.59
M	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	-1.6	-3.4	0.72
N	MT20	3.0x 5.0	Ctr	Ctr	0.37
D	MT20	4.0x 5.0	Ctr	0.1	0.59
O	MT20	2.0x 4.0	Ctr	Ctr	0.44
F	MT20	5.0x 6.0	Ctr	-0.5	0.47
I	MT20	3.0x 5.0	Ctr	Ctr	0.70
H	MT20	5.0x 9.0	0.5	-0.5	0.47
E	MT20	5.0x 6.0	Ctr	-0.5	0.51
G	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
User-defined wind-exposed BC regions --From-- ---To---
0- 0- 0 6- 1-12
Max comp. force 1772 Lbs
Max tens. force 1469 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

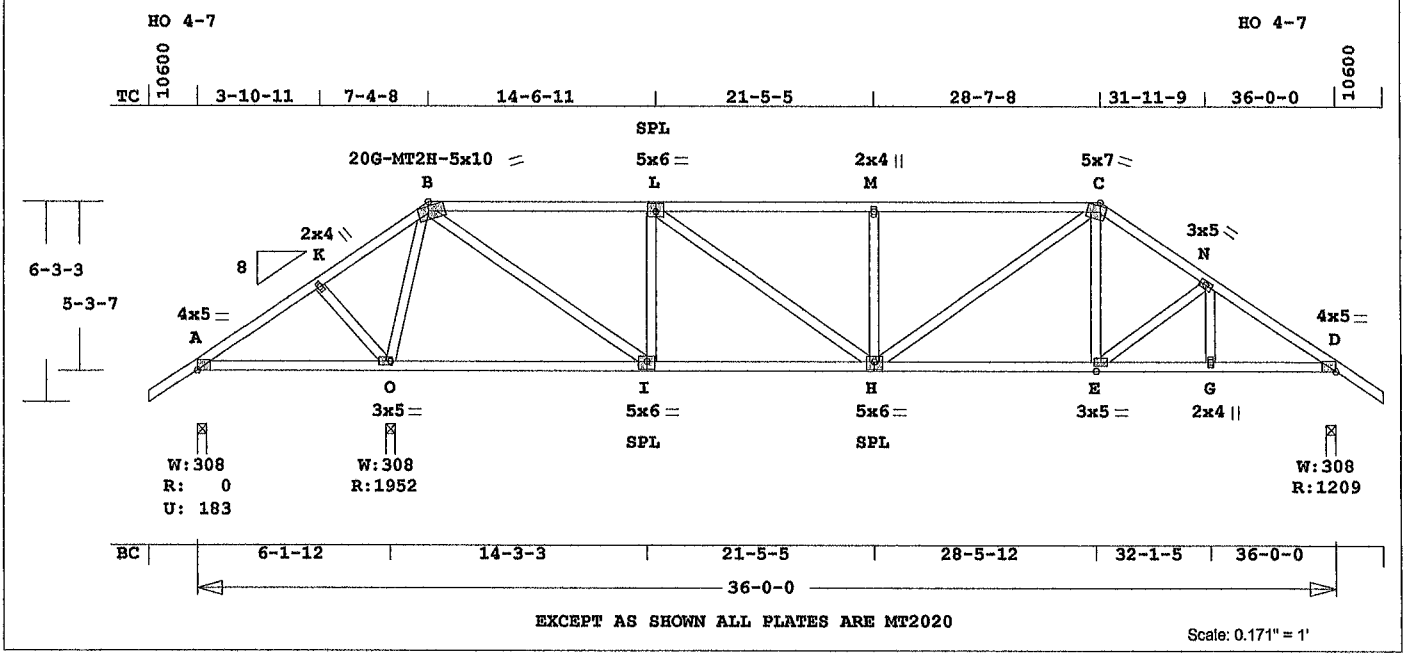


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	A10	1	HIPP	360000	8	1- 6- 0	1- 6- 0	T6277970

COTTAGE GROVE MODEL 1302



EXCEPT AS SHOWN ALL PLATES ARE MT2020

Scale: 0.171" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 250.1 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	0.46	2x 4	SP-#2
WB	0 74	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	36- 0- 0
or	48.0"	0- 0- 0	36- 0- 0
BC	Cont.	0- 0- 0	36- 0- 0
or	72.0"	0- 0- 0	36- 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		183 U	80 R
O	1952		
D	1209		81 R

Jt	Brg Size	Required
A	3.5"	1.5"
O	3.5"	2.1"
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 -K	0.39	558	T	0.12	0.27
K -B	0.43	714	T	0.13	0.30
B -L	0.48	1106	C	0.01	0.47
L -M	0.54	1583	C	0.02	0.52
M -C	0.56	1583	C	0.02	0.54
C -N	0.26	1442	C	0.01	0.25
N -D	0.21	1622	C	0.02	0.19
Bottom Chords					
A -O	0.36	439	C	0.00	0.36
O -I	0.38	241	C	0.00	0.38
I -H	0.46	1106	T	0.14	0.32
H -E	0 42	1213	T	0.15	0.27
E -G	0 39	1336	T	0.27	0.12
G -D	0.39	1336	T	0.27	0.12
Webs					
K -O	0 06	286	C		
O -B	0.74	1616	C		
B -I	0.36	1613	T		
I -L	0.32	746	C		
L -H	0 13	585	T		
H -M	0.19	454	C		
H -C	0.10	450	T		
E -C	0.05	299	T		
E -N	0.06	184	C		
G -N	0.01	88	T		

TL Defl -0.25" in H -E L/999
LL Defl -0.10" in O -I L/999
Shear // Grain in M -C 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr	0.1	0.37
K	MT20	2.0x 4.0	Ctr	Ctr	0.30
B	MT2H	5.0x10.0	1.2	-3.8	0.90
L	MT20	5.0x 6.0	Ctr	0.5	0.82
M	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 7.0	-1.6	-3.4	0.77
N	MT20	3.0x 5.0	Ctr	Ctr	0.37
D	MT20	4.0x 5.0	Ctr	0.1	0.54
O	MT20	3.0x 5.0	Ctr	Ctr	0.63
I	MT20	5.0x 6.0	Ctr	-0.5	0.76
H	MT20	5.0x 6.0	Ctr	-0.5	0.70
E	MT20	3.0x 5.0	Ctr	Ctr	0.33
G	MT20	2.0x 4.0	Ctr	Ctr	0.34

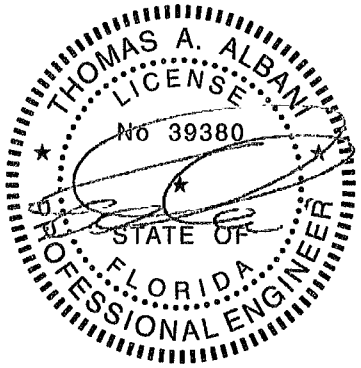
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	6- 1-12

Max comp. force 1622 Lbs
Max tens. force 1613 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

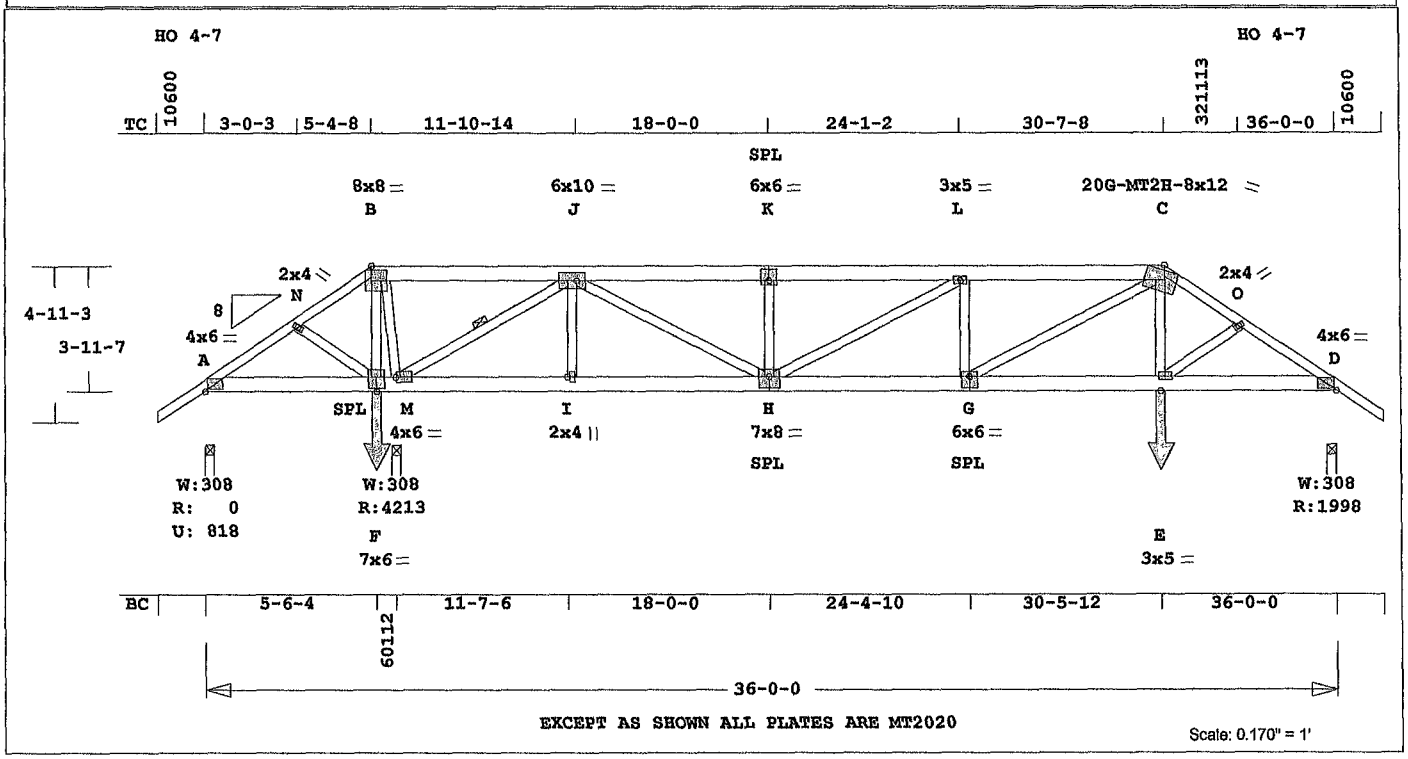


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	*A11GIR*	1	HIPP	360000	8	1- 6- 0	1- 6- 0	*T6277971*

COTTAGE GROVE MODEL 1302



Online Plus -- Version 30.0.023
RUN DATE 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.75	2x 4	SP-#2
--	0.65	2x 6	SP-#2
	B -K	K -C	
BC	0.75	2x 6	SP-#2
WB	0.81	2x 4	SP-#2

Brace truss as follows

	O.C	From	To
TC	Cont	0- 0- 0	36- 0- 0
or	30 0"	0- 0- 0	36- 0- 0
BC	Cont	0- 0- 0	36- 0- 0
or	60.0"	0- 0- 0	36- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
M -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	1.00	1.00	1.00	1 00
BC	1.00	1.00	1.00	1 00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A		818 U	56 R
M	4214		
D	1998		57 R

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	4.5" **
D	3 5"	2.4"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	36.0'
BC V	20	0	0.0'	36.0'
TC V	17	34	5 4'	30.6'
BC V	17	0	5.5'	30.5'
BC V	157	157	5 5'	CL-LB

MiTek® Online Plus™ APPROX TRUSS WEIGHT· 300.4 LBS

BC V	157	157	30.5'	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 -N	0 67	1791	T	0.41	0 26
N -B	0.75	1968	T	0 45	0.30
B -J	0 65	1903	T	0.30	0.35
J -K	0 40	3454	C	0 05	0.35
K -L	0.41	3454	C	0.05	0.36
L -C	0 51	3917	C	0.09	0.42
C -O	0 44	2979	C	0 09	0.35
O -D	0 29	3049	C	0 10	0 19
Bottom Chords					
A -F	0 12	1455	C	0.00	0 12
F -M	0.32	1693	C	0 01	0 31
M -I	0 53	1396	T	0.22	0.31
I -H	0 37	1396	T	0.22	0.15
H -G	0.75	3917	T	0.63	0 12
G -E	0 56	2508	T	0.40	0 16
E -D	0.45	2508	T	0.40	0.05
Webs					
N -F	0.05	282	C		
F -B	0.04	189	T		
B -M	0.35	1652	C		
M -J	0.81	3875	C		1 Br
I -J	0 07	405	T		
J -H	0.53	2358	T		
H -K	0.13	659	C		
H -L	0.45	530	C		
G -L	0.10	500	C		
G -C	0.35	1593	T		
E -C	0 10	530	T		
E -O	0.01	65	T		

TL Defl	-0 42"	in H -G	L/846
LL Defl	-0.16"	in H -G	L/999
Shear // Grain		in L -C	0 33

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 51
N	MT20	2.0x 4.0	Ctr	Ctr	0.30
B	MT20	8.0x 8.0	Ctr	Ctr	0.89
J	MT20	6.0x10.0	Ctr	Ctr	0.93
K	MT20	6.0x 6 0	Ctr	1.2	0.70
L	MT20	3 0x 5.0	Ctr	Ctr	0.33
C	MT2H	8.0x12.0	-1.7-5	6	0.99
O	MT20	2 0x 4.0	Ctr	Ctr	0.32
D	MT20	4.0x 6.0	Ctr	Ctr	0.88
F	MT20	7.0x 6 0	Ctr	-0.8	0.47
M	MT20	4 0x 6 0	1.5	Ctr	0 90
I	MT20	2.0x 4.0	Ctr	Ctr	0 37
H	MT20	7 0x 8.0	Ctr	-0.8	0.93
G	MT20	6 0x 6.0	Ctr	-1.2	0.96
E	MT20	3 0x 5 0	Ctr	Ctr	0 33

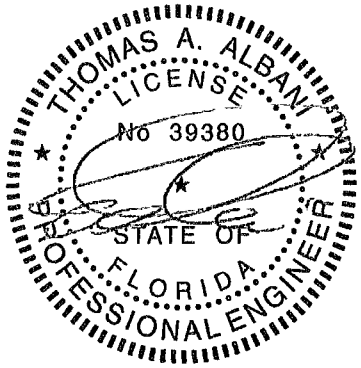
REVIEWED BY:
MiTek Industries, Inc
6904 Parke East Blvd.
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by
Mayo Truss Co Inc
Analysis Conforms To
FBC2010
TPI 2007
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 5- 4- 8
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
User-defined wind-exposed BC regions

--From--	---To---
0- 0- 0	6- 1-12

Max comp. force 3917 Lbs
Max tens. force 3917 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

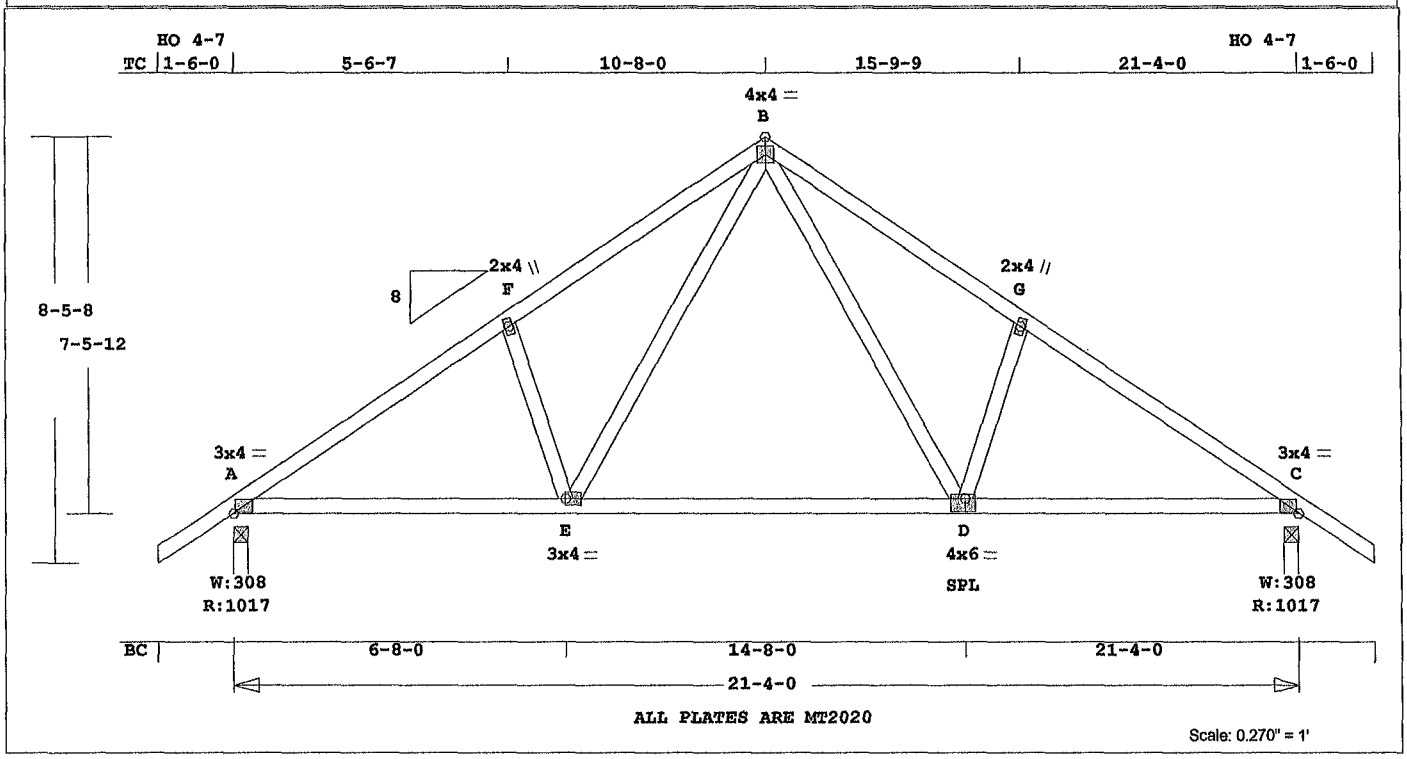


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	B1	5	TR	210400	8	1- 6- 0	1- 6- 0	T6277972

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT. 139.8 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.65	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 4- 0
or	48.0"	0- 0- 0	21- 4- 0
BC	Cont.	0- 0- 0	21- 4- 0
or	120.0"	0- 0- 0	21- 4- 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	1018		108 R
C	1018		108 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 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -F	0.25	1267 C	0.01 0.24
F -B	0.25	1169 C	0.01 0.24
B -G	0.25	1169 C	0.01 0.24
G -C	0.25	1267 C	0.01 0.24
Bottom Chords			
A -E	0.55	1055 T	0.21 0.34
E -D	0.65	684 T	0.14 0.51
D -C	0.55	1055 T	0.21 0.34
Webs			
F -E	0.07	276 C	
E -B	0.12	571 T	
B -D	0.12	571 T	
D -G	0.07	276 C	

TL Defl -0.21" in E -D L/999
LL Defl -0.10" in E -D L/999
Shear // Grain in E -D 0.19

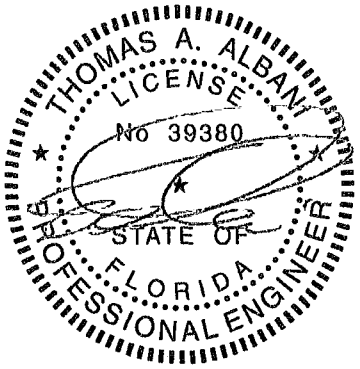
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.74
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
B	MT20	4.0x 4.0	Ctr	Ctr	0.71
G	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	3.0x 4.0	Ctr	Ctr	0.74
E	MT20	3.0x 4.0	Ctr	Ctr	0.44
D	MT20	4.0x 6.0-0.5-1.0			0.93

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 1267 Lbs
Max tens. force 1055 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

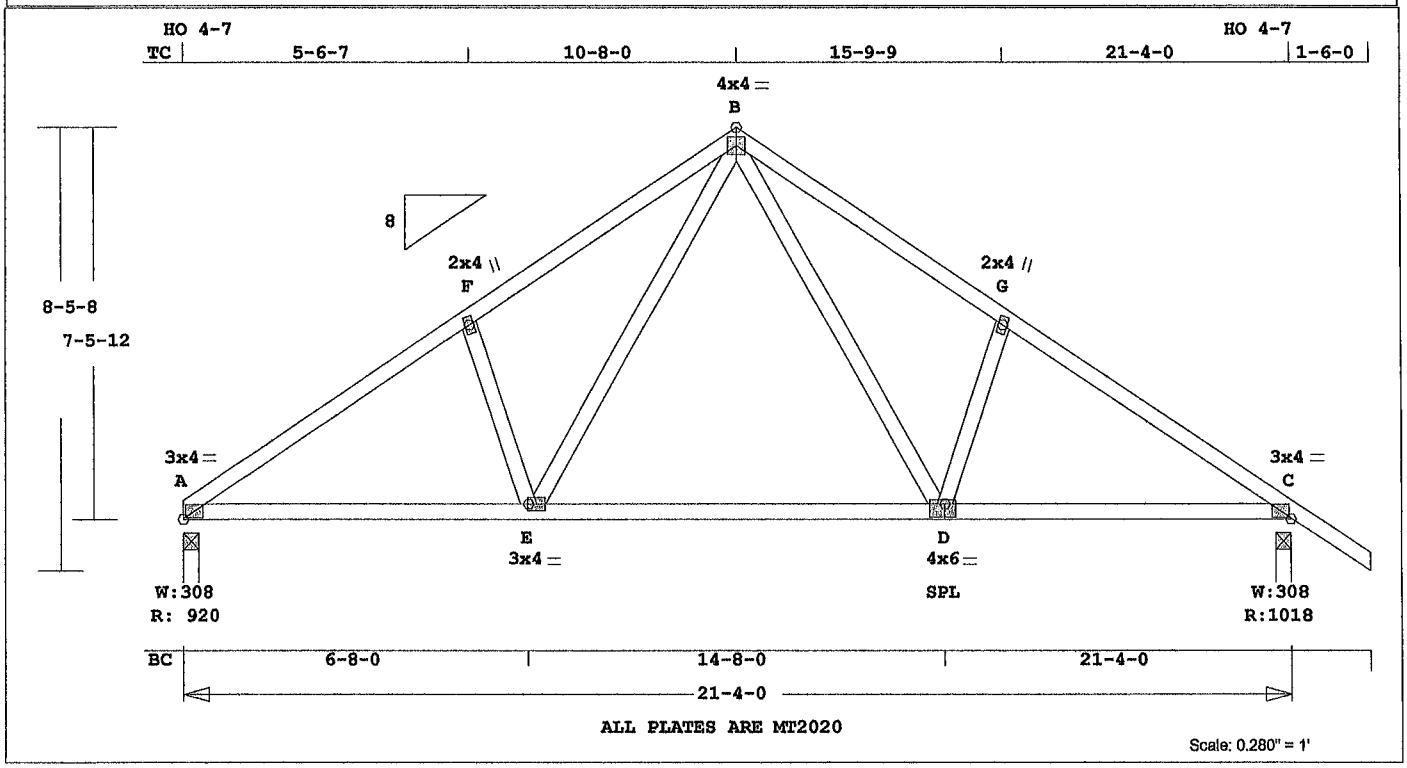


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
INN-CG-1302	*B2*	4	TR	210400	8	0	1- 6- 0	*T6277973*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 136 4 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.26	2x 4	SP-#2
BC	0.65	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	21- 4- 0
or	48.0"	0- 0- 0	21- 4- 0
BC	Cont.	0- 0- 0	21- 4- 0
or	120.0"	0- 0- 0	21- 4- 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	921		108 R
C	1018		108 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 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -F	0.26	1270 C	0.01 0.25
F -B	0.26	1173 C	0.01 0.25
B -G	0.25	1170 C	0.01 0.24
G -C	0.25	1268 C	0.01 0.24
--------Bottom Chords---------			
A -E	0.56	1058 T	0.21 0.35
E -D	0.65	685 T	0.14 0.51
D -C	0.55	1056 T	0.21 0.34
----------Webs----------			
F -E	0.07	276 C	
E -B	0.12	575 T	
B -D	0.12	571 T	
D -G	0.07	276 C	

TL Defl -0.21" in E -D L/999
LL Defl -0.10" in E -D L/999
Shear // Grain in E -D 0.19

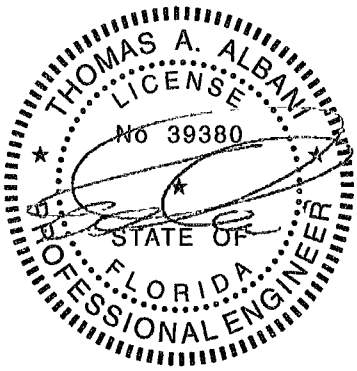
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.74
F	MT20	2.0x 4.0	Ctr	Ctr	0.29
B	MT20	4.0x 4.0	Ctr	Ctr	0.71
G	MT20	2.0x 4.0	Ctr	Ctr	0.29
C	MT20	3.0x 4.0	Ctr	Ctr	0.74
E	MT20	3.0x 4.0	Ctr	Ctr	0.44
D	MT20	4.0x 6.0-0.5-1.0			0.93

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 1270 Lbs
Max tens. force 1058 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

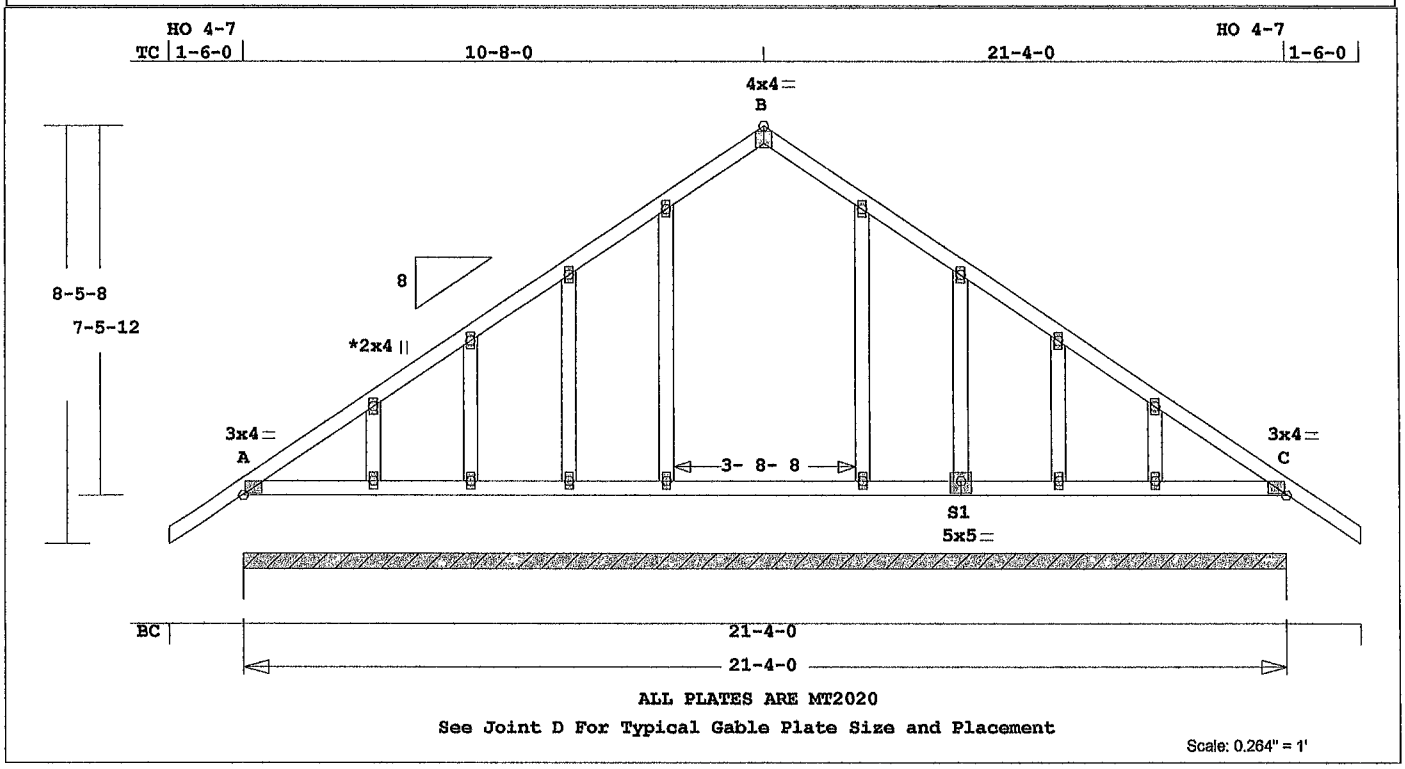


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	B3GE	1	TR	210400	8	1- 6- 0	1- 6- 0	T6277974

COTTAGE GROVE MODEL 1302



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.264" = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT 150.7 LBS

Online Plus -- Version 30 0 023
RUN DATE 25-APR-14

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

	CSI	-Size-	-----Lumber-----
TC	0.05	2x 4	SP-#2
BC	0 07	2x 4	SP-#2
GW	0 09	2x 4	SP-#2

Brace truss as follows:

	O C	From	To
TC	Cont	0- 0- 0	21- 4- 0
or	48.0"	0- 0- 0	21- 4- 0
BC	Cont	0- 0- 0	21- 4- 0
or	120 0"	0- 0- 0	21- 4- 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	1899		108 R

Jt	Brg Size	Required
A	256 0"	0"-to- 256"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -D	0 05	177 C	0.00 0 05
D -F	0.05	119 C	0.00 0.05
F -H	0.03	103 C	0 00 0.03
H -J	0.04	96 C	0 00 0.04
J -B	0 04	102 C	0 00 0 04
B -M	0 04	102 C	0 00 0 04
M -O	0 04	96 C	0.00 0 04
O -Q	0 03	103 C	0 00 0.03
Q -S	0.05	119 C	0.00 0 05
S -C	0.05	177 C	0.00 0 05
Bottom Chords			
A -E	0.03	3 T	0.00 0.03
E -G	0.03	0 T	0.00 0.03
G -I	0 02	0 T	0.00 0 02
I -K	0.07	0 T	0 00 0.07
K -N	0 07	0 T	0.00 0.07
N -S1	0 07	0 T	0 00 0.07
S1-R	0 02	0 T	0.00 0.02
R -T	0 03	0 T	0.00 0.03
T -C	0 03	3 T	0.00 0 03
Gable Webs			
E -D	0 01	142 C	
G -F	0.02	115 C	
I -H	0 05	118 C	
K -J	0.09	128 C	
N -M	0.09	128 C	
S1-O	0.05	118 C	
R -Q	0.02	115 C	
T -S	0 01	142 C	

TL Defl -0.01" in K -N L/999
LL Defl -0 01" in K -N L/999
Shear // Grain in A -D 0.08

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4 0	Ctr	Ctr	0.49
D	MT20	2 0x 4 0	Ctr	Ctr	0 00
F	MT20	2.0x 4 0	Ctr	Ctr	0 00
H	MT20	2.0x 4.0	Ctr	Ctr	0 00
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4 0	Ctr-1.2	0	33
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
O	MT20	2.0x 4 0	Ctr	Ctr	0.00
Q	MT20	2.0x 4 0	Ctr	Ctr	0.00
S	MT20	2 0x 4 0	Ctr	Ctr	0.00
C	MT20	3.0x 4.0	Ctr	Ctr	0.49
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0 00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	2.0x 4.0	Ctr	Ctr	0 00
S1	MT20	5.0x 5.0	Ctr-0.5		0.39
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
T	MT20	2.0x 4 0	Ctr	Ctr	0.00

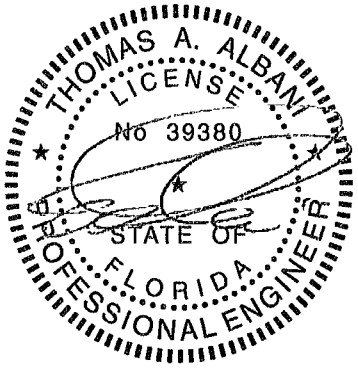
REVIEWED BY:
MiTek Industries, Inc
6904 Parke East Blvd
Tampa, FL 33610

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Truss designed for wind loads in the plane of the truss only For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified Building Designer as per ANSI/TPI 1.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location

Wind Speed:	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	177 Lbs
Max tens force	103 Lbs

Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

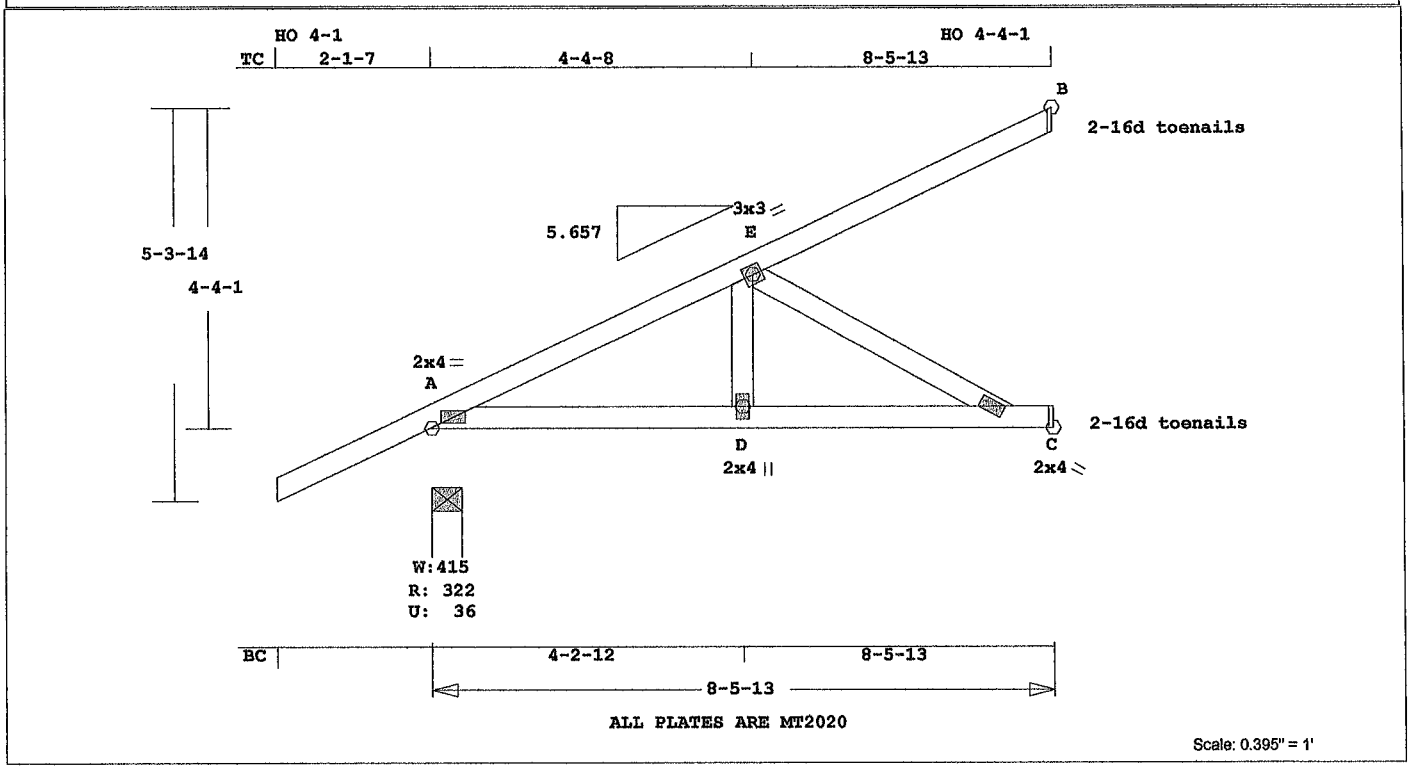


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
INN-CG-1302	*CJ1*	1	MONO.DD	80513	5.657	2- 1- 7	0	*T6277975*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT 49.4 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	0.36	2x 4	SP-#2
WB	0.13	2x 4	SP-#2

Brace trusses as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	8- 4- 5
or	48.0"	0- 0- 0	8- 4- 5
BC	Cont.	0- 0- 0	8- 4- 5
or	94.3"	0- 0- 0	8- 4- 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	322	37 U	78 R
C	239	36 U	
B	173	41 U	53 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	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'	8.5'
BC V	20	0	0.0'	8.5'
TC V	-20	-40	0.0'	
	15	31		8.5'
BC V	-20	0	0.0'	
	15	0		8.5'

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

Membr	CSI	P Lbs	Axl-CSI-Bnd
	Top Chords		
A -E	0.20	379 C	0.05 0.15
E -B	0.35	97 C	0 00 0.35
	Bottom Chords		
A -D	0 18	449 C	0.05 0 13
D -C	0.36	449 C	0.08 0.28
C -C	0.23	0 T	0.00 0.23
	Webs		
D -E	0.03	233 C	
E -C	0 13	512 T	

TL Defl -0.07" in D -C L/999
LL Defl -0.03" in D -C L/999
Shear // Grain in C -C 0.29

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	0.18
C	MT20	2.0x 4.0	Ctr	Ctr	0.34

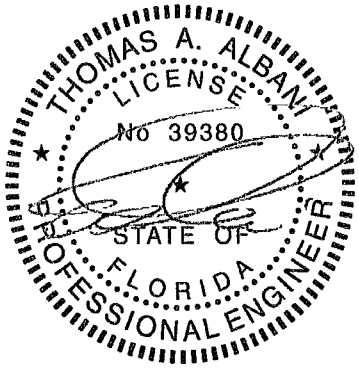
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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

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 6- 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 8- 5-13
Max comp. force 449 Lbs
Max tens. force 512 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

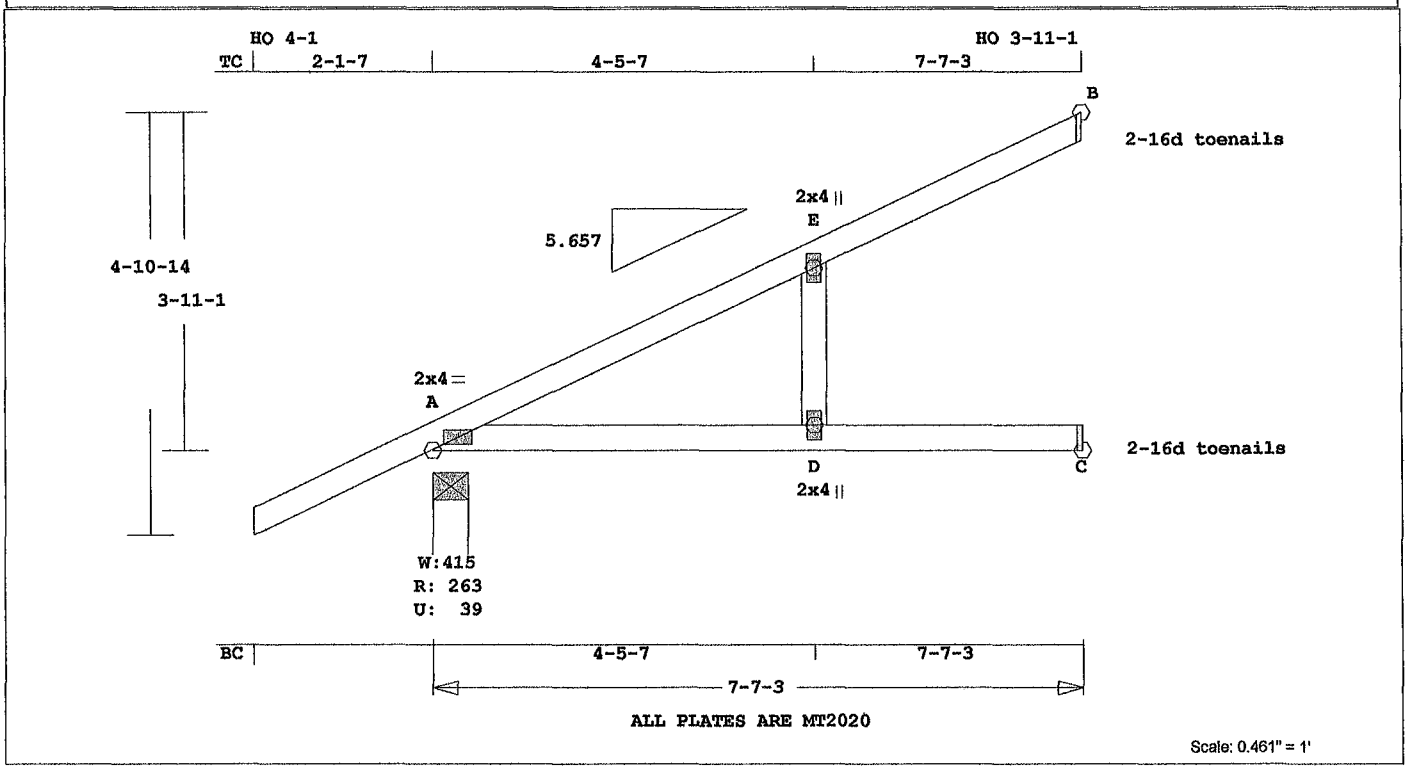


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	*CJ2*	2	MONO.DD	70703	5.657	2- 1- 7	0	*T6277976*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT 38 5 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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	0.67	2x 4	SP-#2
WB	0.01	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 3-11
or	48.0"	0- 0- 0	7- 3-11
BC	Cont.	0- 0- 0	7- 3-11
or	91 2"	0- 0- 0	7- 3-11

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	263	39 U	61 R
C	140	19 U	
B	189	48 U	41 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'	7.6'
BC V	20	0	0.0'	7.6'
TC V	-20	-40	0.0'	
	11	22		7.6'
BC V	-20	0	0.0'	
	11	0		7.6'

Plus 15 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	0.60	143 C	0.00 0.60
E -B	0.60	119 C	0.00 0.60
--------Bottom Chords---------			
A -D	0.67	0 T	0.00 0 67
D -C	0.63	0 T	0.00 0.63
-------------Webs-------------			
D -E	0.01	143 C	WindLd

TL Defl -0.34" in A -D L/239
LL Defl -0.14" in A -D L/595

Hz Disp	LL	DL	TL
Jt B	0.02"	0.01"	0.02"

Shear // Grain in E -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	0.66
E	MT20	2.0x 4.0	Ctr	Ctr	0.13
D	MT20	2.0x 4.0	Ctr	Ctr	0.12

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

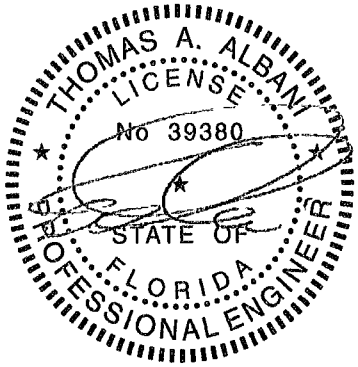
REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

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- 4- 8
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- 7- 3

Max comp. force 143 Lbs
Max tens. force 46 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

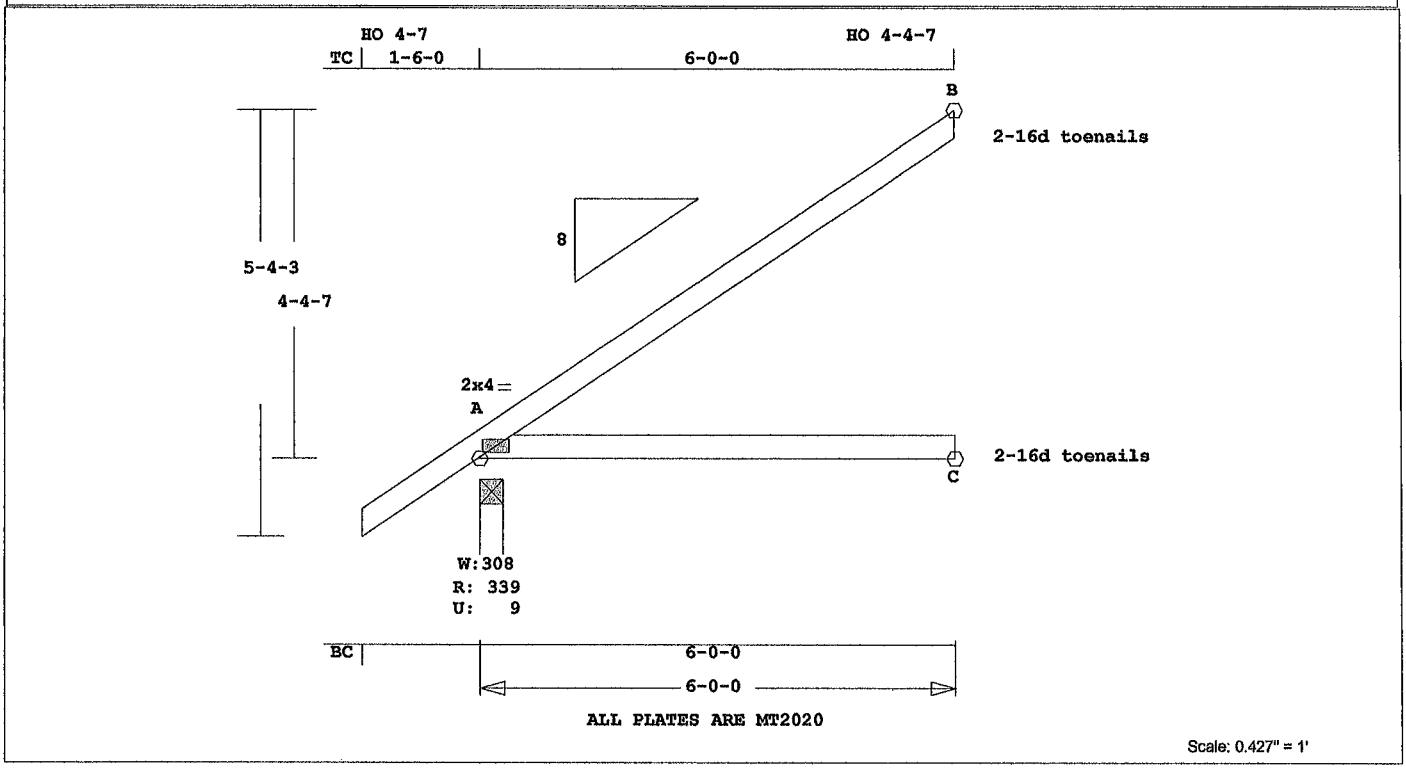


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	J1	5	JCA2	60000	8	1- 6- 0	0	T6277977

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT: 28.7 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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
BC	0.45	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	6- 0- 0
or	48.0"	0- 0- 0	6- 0- 0
BC	Cont.	0- 0- 0	6- 0- 0
or	72.0"	0- 0- 0	6- 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	339	10 U	87 R
C	114	16 U	
B	160	53 U	59 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	0.51	87 C	0.00 0.51
--------Bottom Chords---------			
A -C	0.45	0 T	0.00 0.45

TL Defl -0.11" in A -C L/572
LL Defl -0.05" in A -C L/999
Shear // Grain in A -B 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	2.0x 4.0	Ctr	Ctr	0.59

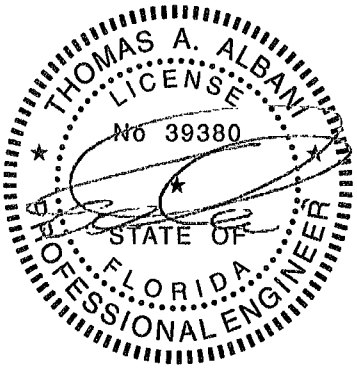
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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 6- 0- 0
Max comp. force 87 Lbs
Max tens. force 45 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

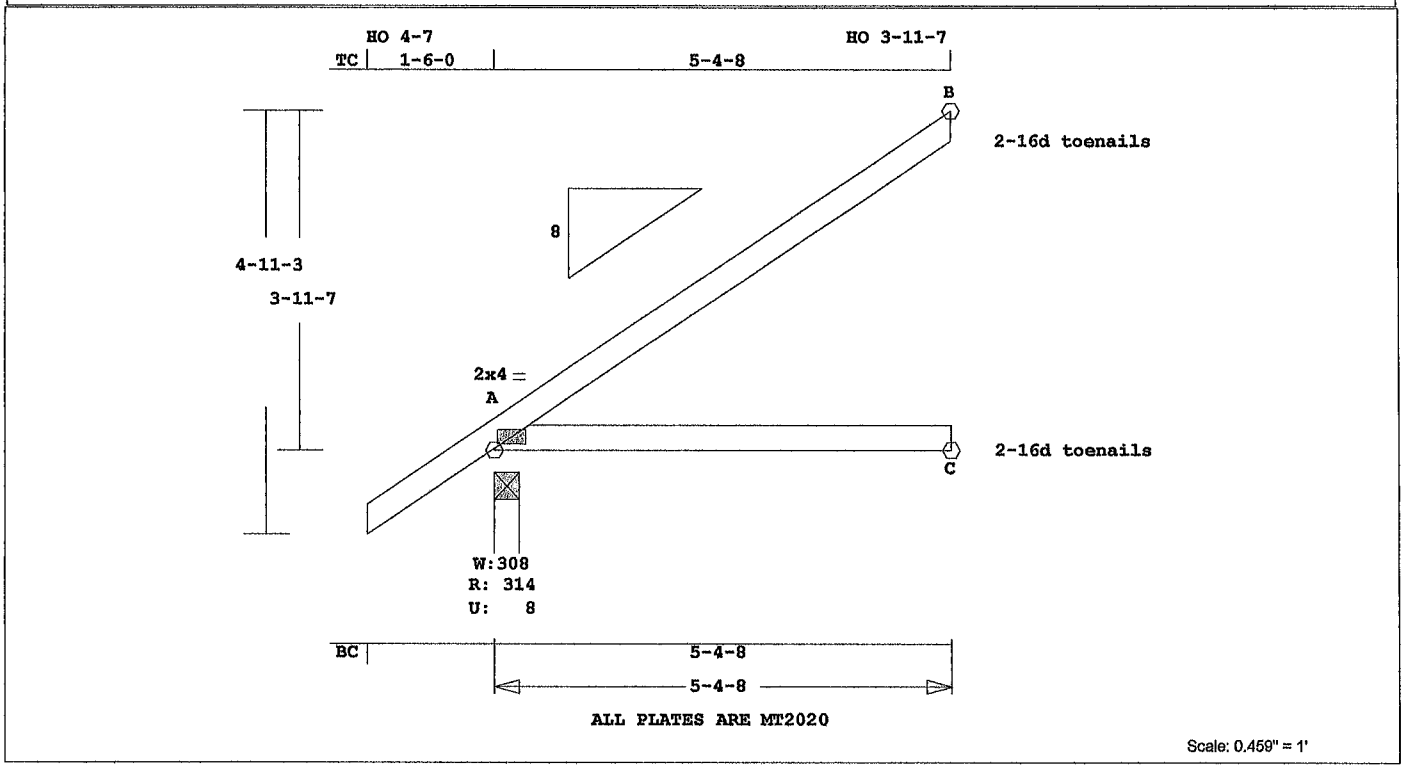


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	*J1A*	14	JCA2	50408	8	1- 6- 0	0	*T6277978*

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX TRUSS WEIGHT 26.1 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	0.37	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 4- 8
or	48.0"	0- 0- 0	5- 4- 8
BC	Cont.	0- 0- 0	5- 4- 8
or	64.5"	0- 0- 0	5- 4- 8

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

	Fb	Fc	Ft	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	314	9 U	78 R
C	102	15 U	
B	143	47 U	53 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	0.39	79 C	0.00 0.39
--------Bottom Chords---------			
A -C	0.37	0 T	0.00 0.37

TL Defl -0.07" in A -C L/807
LL Defl -0.03" in A -C L/999
Shear // Grain in A -C 0.18

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.

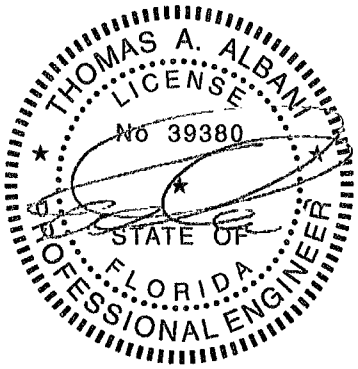
For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

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- 4- 8

Max comp. force 79 Lbs
Max tens. force 40 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

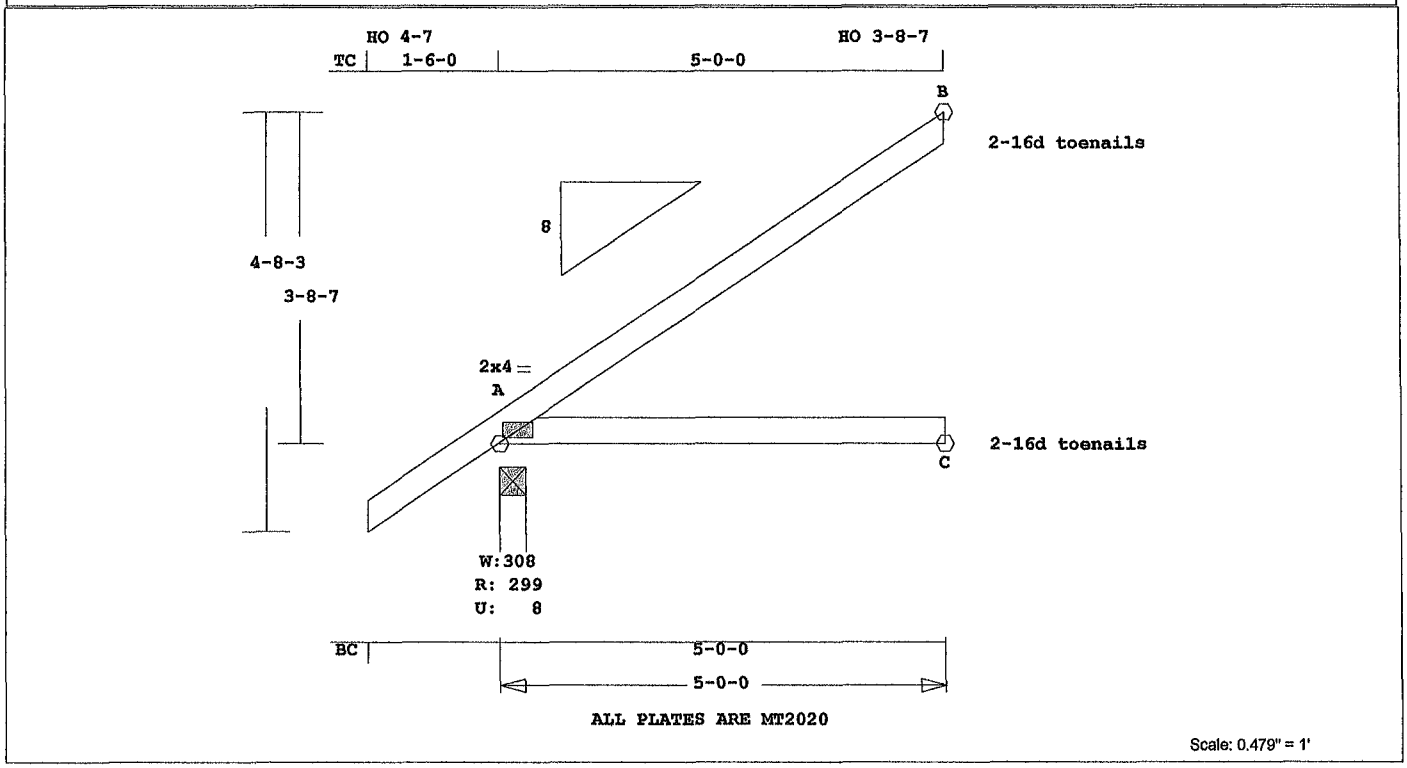


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	J2	6	JCA2	50000	8	1- 6- 0	0	T6277979

COTTAGE GROVE MODEL 1302



MiTek® Online Plus™ APPROX. TRUSS WEIGHT 24.6 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-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	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	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---------			
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

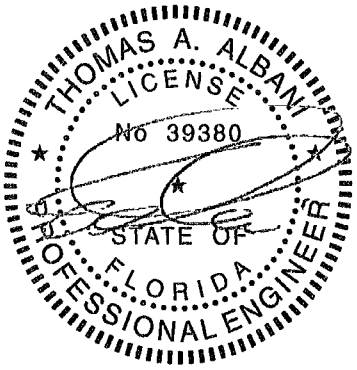
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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.

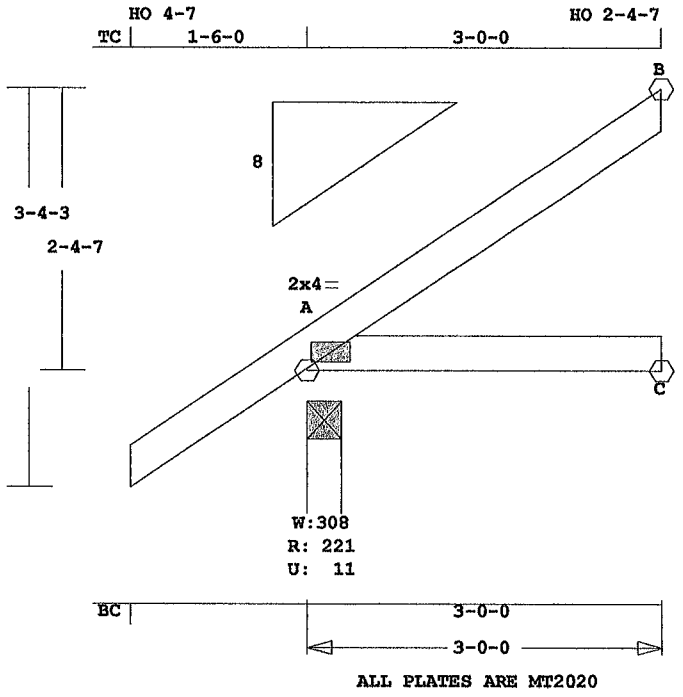


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	*J3*	6	JCA2	30000	8	1- 6- 0	0	*T6277980*

COTTAGE GROVE MODEL 1302



ALL PLATES ARE MT2020

Scale: 0.637" = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT. 16 3 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

	CSI	-Size-	----Lumber----
TC	0.09	2x 4	SP-#2
BC	0.09	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	3- 0- 0
or	36.0"	0- 0- 0	3- 0- 0
BC	Cont.	0- 0- 0	3- 0- 0
or	36.0"	0- 0- 0	3- 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	222	11 U	44 R
C	56	9 U	
B	78	27 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	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.09	44 C	0.00 0.09
--------Bottom Chords---------			
A -C	0.09	0 T	0.00 0.09

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 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

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

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

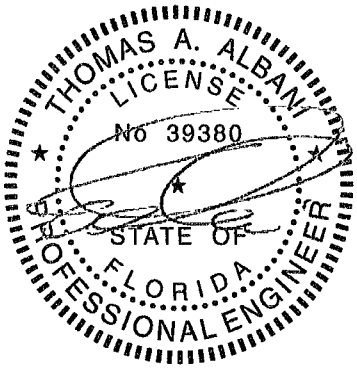
For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

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	3- 0- 0

Max comp. force 44 Lbs
Max tens. force 23 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

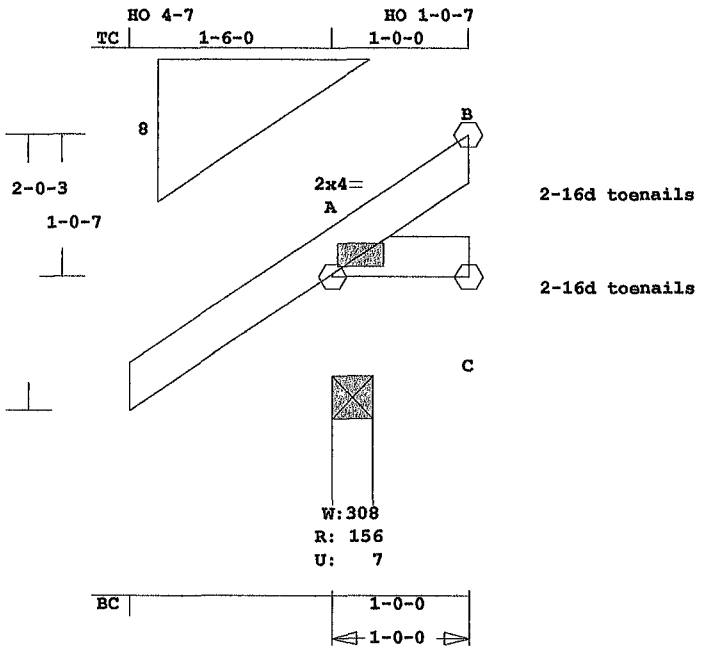


FL Cert. 6634

April 25,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
INN-CG-1302	J4	6	JCA2	10000	8	1- 6- 0	0	T6277981

COTTAGE GROVE MODEL 1302



Scale: 0.732" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT 7.9 LBS

Online Plus -- Version 30.0.023
RUN DATE: 25-APR-14

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

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

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 0- 0
or	12.0"	0- 0- 0	1- 0- 0
BC	Cont.	0- 0- 0	1- 0- 0
or	12.0"	0- 0- 0	1- 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	157	7 U	14 R
B	24	10 U	
C	13	3 U	9 R

Jt	Brg Size	Required
A	3.5"	1.5"
B	1.5"	1.5"
C	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	0.00	12 C	
--------Bottom Chords---------			
A -C	0.00	9 T	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.02

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.

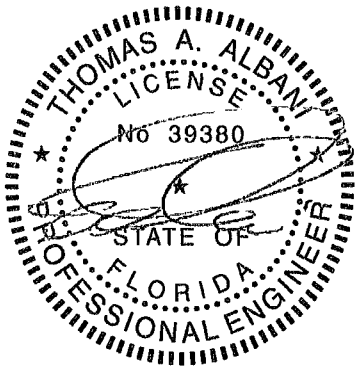
For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

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	1- 0- 0

Max comp. force 12 Lbs
Max tens. force 9 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

April 25,2014

ONLINE PLUS GENERAL NOTES & SYMBOLS

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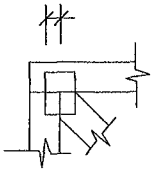
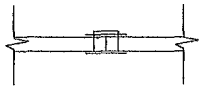


PLATE LOCATION

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.

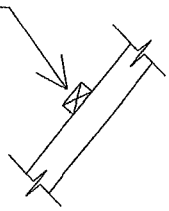
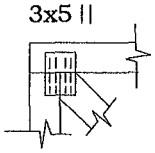


PLATE SIZE AND ORIENTATION

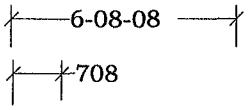
3x5 ||

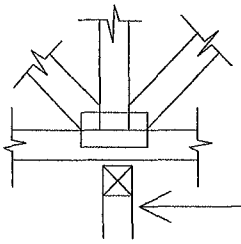


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





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

BEARING

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

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

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

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

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