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

RE: CASE - ROOF DESIGN INFO

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

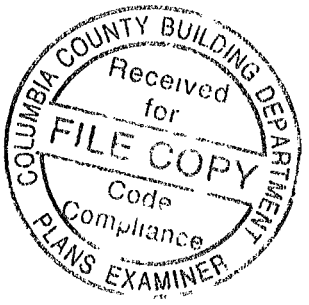
Site Information:
Customer Info: CASE Project Name: CASE Model:
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2010 Design Program: OnLine Plus 30.0.033□
Wind Code: ASCE 7-10 Wind Speed: 120 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 9 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

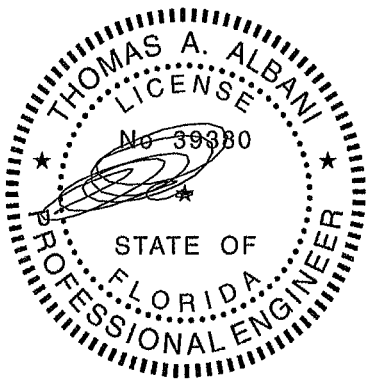
No.	Seal#	Truss Name	Date
1	T6460264	A1	8/7/014
2	T6460265	A2GIR	8/7/014
3	T6460266	A3GE	8/7/014
4	T6460267	A4	8/7/014
5	T6460268	A5GIR	8/7/014
6	T6460269	A6GE	8/7/014
7	T6460270	P1	8/7/014
8	T6460271	P1GIR	8/7/014
9	T6460272	P2GE	8/7/014



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.

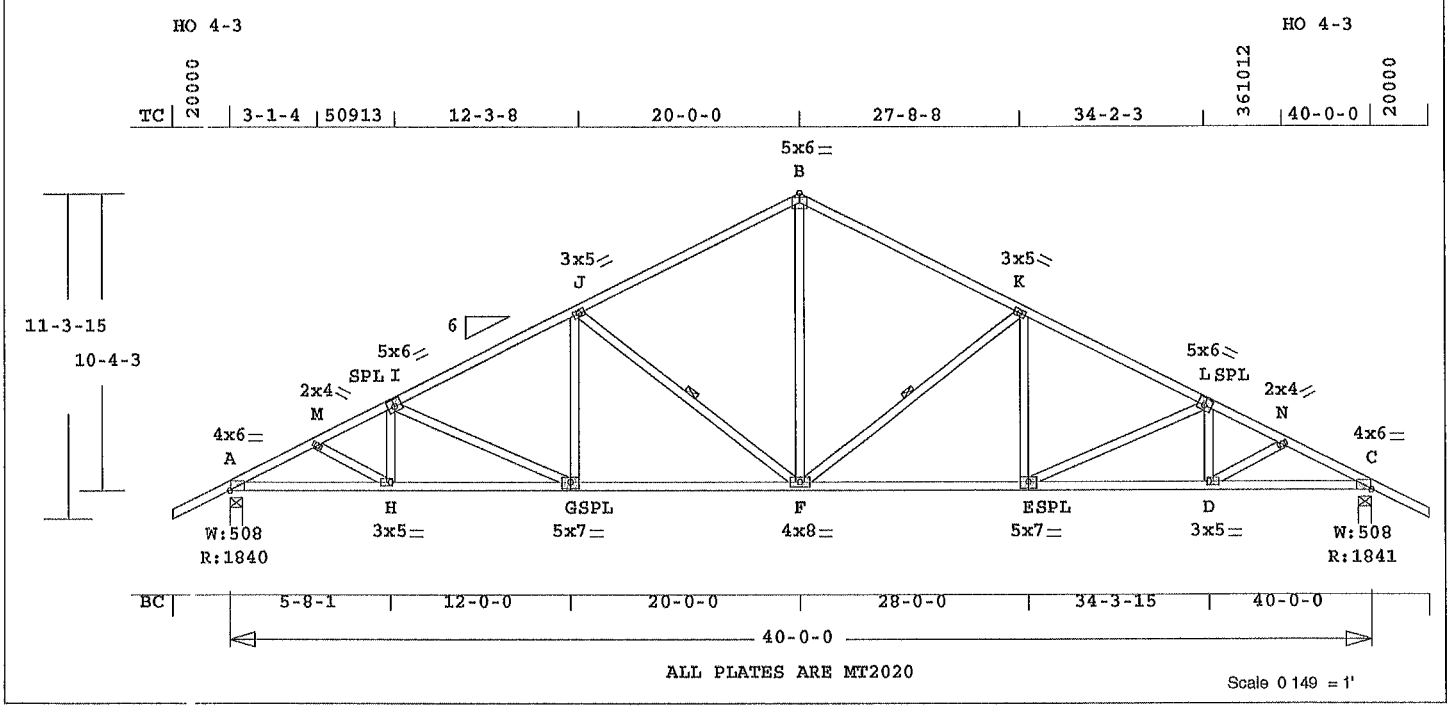


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	'Span '	P1-H1	Left OH	Right OH	*Engineering*
CASE	***A1***	15	TR	400000	6	2- 0- 0	2- 0- 0	*T6460264*

CASE



MiTek® Online Plus™ APPROX TRUSS WEIGHT: 291 9 LBS

Online Plus -- Version 30.0.033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	--	-Lumber----
TC	0.87	2x 4	SP	#2
BC	0.86	2x 4	SP	#2
WB	0.40	2x 4	SP	#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0 0	40- 0- 0
BC	Cont.	0- 0- 0	40- 0- 0
or	102.0"	0- 0- 0	40- 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	1841		155 R
C	1841		154 R

Jt	Brg Size	Required
A	5.5"	2.2"
C	5.5"	2.2"

Plus 21 Wind Load Case(s)
Plus 1 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 -M	0.41	3239	C	0.09 0.32
M -I	0.32	3183	C	0.09 0.23
I -J	0.60	2743	C	0.06 0.54
J -B	0.87	1973	C	0.21 0.66
B -K	0.87	1973	C	0.21 0.66
K -L	0.60	2743	C	0.06 0.54
L -N	0.32	3183	C	0.09 0.23
N -C	0.41	3239	C	0.09 0.32
Bottom Chords				
A -H	0.75	2856	T	0.58 0.17
H -G	0.86	2878	T	0.59 0.27
G -F	0.83	2463	T	0.50 0.33
F -E	0.83	2463	T	0.50 0.33
E -D	0.86	2878	T	0.59 0.27
D -C	0.75	2857	T	0.58 0.17
Webs				
M -H	0.01	78	T	
H -I	0.03	198	T	
I -G	0.39	453	C	
G -J	0.09	444	T	
J -F	0.40	887	C	1 Br
F -B	0.33	1298	T	
F -K	0.40	887	C	1 Br
E -K	0.09	444	T	
E -L	0.39	453	C	
D -L	0.03	198	T	
D -N	0.01	78	T	

TL Defl -0.60" in F -E L/785
LL Defl -0.28" in F -E L/999
Shear // Grain in J -B 0.27

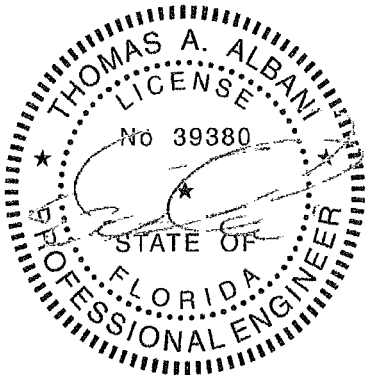
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	0.1	0.87
M	MT20	2.0x 4.0	Ctr	Ctr	0.27
I	MT20	5.0x 6.0	-0.2	0.5	0.67
J	MT20	3.0x 5.0	Ctr	Ctr	0.36
B	MT20	5.0x 6.0	Ctr	-0.1	0.81
K	MT20	3.0x 5.0	Ctr	Ctr	0.36
L	MT20	5.0x 6.0	0.2	0.5	0.67
N	MT20	2.0x 4.0	Ctr	Ctr	0.27
C	MT20	4.0x 6.0	Ctr	0.1	0.87
H	MT20	3.0x 5.0	Ctr	Ctr	0.33
G	MT20	5.0x 7.0	Ctr	-0.5	0.92
F	MT20	4.0x 8.0	Ctr	Ctr	0.49
E	MT20	5.0x 7.0	Ctr	-0.5	0.92
D	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
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 3239 Lbs
Max tens. force 2878 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.

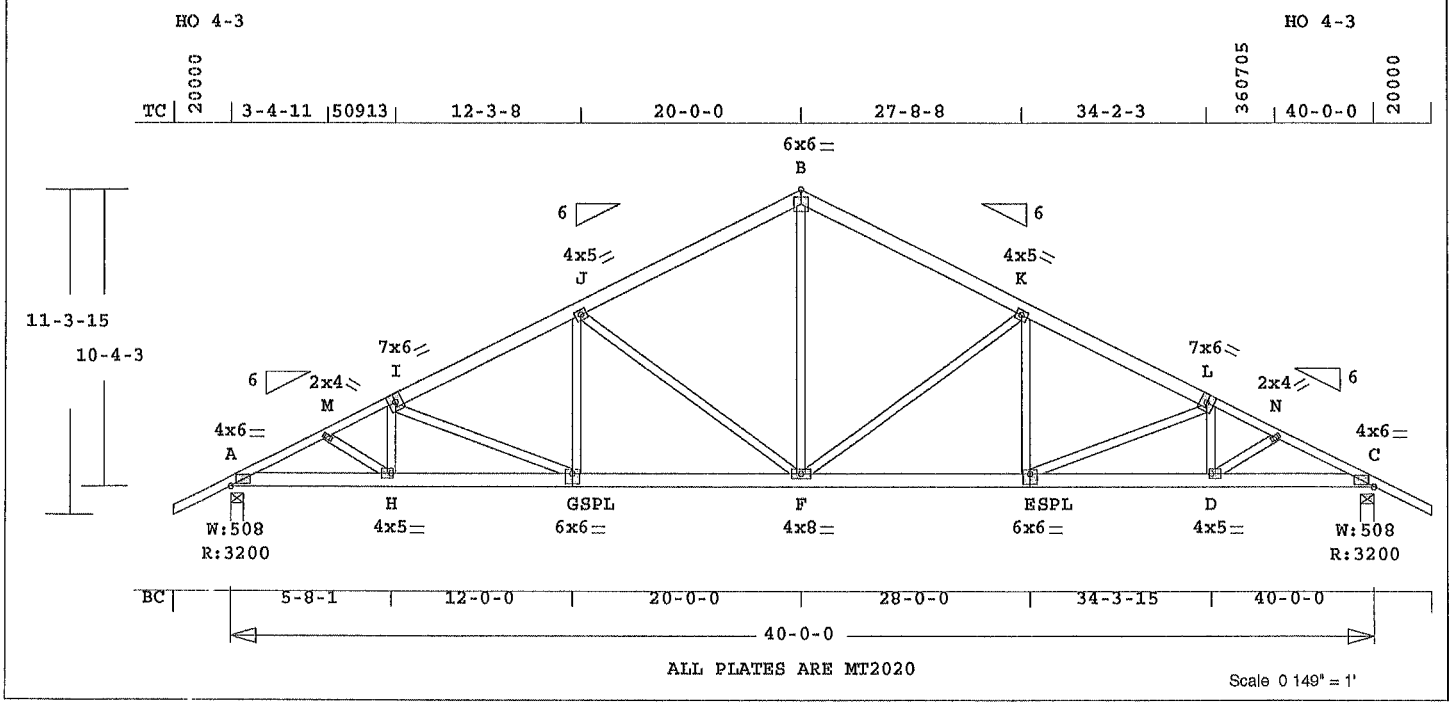


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	A2GIR	1*2P	TR	400000	6	2- 0- 0	2- 0- 0	T6460265

CASE



Online Plus -- Version 30.0.033
RUN DATE: 07-AUG-14
****
* 2-Ply Truss *
****

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

	CSI	-Size-	--	-Lumber----
TC	0.28	2x 6		SP-#2
--	0.22	2x 4		SP-#2
	A -I	L -C		
BC	0.52	2x 6		SP-#2
WB	0 57	2x 4		SP #2

Brace truss as follows:

	O.C.	From	To
TC	24.0"	0- 0	0 40- 0- 0
BC	120 0"	0- 0-	0 40- 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 42.0"

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	3201	267 R	
C	3201	266 R	

Jt	Brg Size	Required
A	5.5"	1.9"
C	5 5"	1.9"

Plus 21 Wind Load Case(s)
Plus 1 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 -M	0.22	5842 C	0 12	0.10
M -I	0 20	5701 C	0.11	0.09
I -J	0.27	4871 C	0.02	0.25
J -B	0.28	3471 C	0.01	0.27
B -K	0.28	3471 C	0.01	0.27
K -L	0.27	4871 C	0 02	0.25
L -N	0.20	5701 C	0.11	0.09
N -C	0.22	5842 C	0.12	0.10
--------Bottom Chords --------				
A -H	0.52	5209 T	0.42	0.10
H -G	0 51	5161 T	0.41	0.10

MiTek® Online Plus™ APPROX TRUSS WEIGHT: 355 0 LBS

G -F	0.48	4394 T	0 35	0.13	
F -E	0.48	4394 T	0 35	0.13	
E -D	0.51	5161 T	0.41	0.10	
D -C	0.52	5209 T	0.42	0.10	
----------Webs-------				-----	
M -H	0.01	162 T			
H -I	0.03	376 T			
I -G	0.15	832 C			
G -J	0.08	788 T			
J -F	0.57	1636 C			
F -B	0.26	2329 T			
F -K	0.57	1636 C			
E -K	0.08	788 T			
E -L	0.15	832 C			
D -L	0.03	376 T			
D -N	0.01	162 T			

TL Defl -0.34" in F -E L/999
LL Defl -0.15" in F -E L/999
Shear // Grain in J -B 0.16

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 6.0	Ctr	Ctr	0.82
M	MT20	2.0x 4.0	Ctr	Ctr	0.14
I	MT20	7.0x 6.0	Ctr	Ctr	0.43
J	MT20	4.0x 5.0	Ctr	Ctr	0.23
B	MT20	6 0x 6 0	Ctr	Ctr	0.45
K	MT20	4.0x 5.0	Ctr	Ctr	0.23
L	MT20	7.0x 6.0	Ctr	Ctr	0.43
N	MT20	2.0x 4.0	Ctr	Ctr	0.14
C	MT20	4.0x 6.0	Ctr	Ctr	0.82
H	MT20	4.0x 5 0	Ctr	Ctr	0.12
G	MT20	6.0x 6.0	Ctr	-1.2	0.63
F	MT20	4.0x 8.0	Ctr	Ctr	0.44
E	MT20	6.0x 6.0	Ctr	-1.2	0.63
D	MT20	4.0x 5 0	Ctr	Ctr	0.12

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

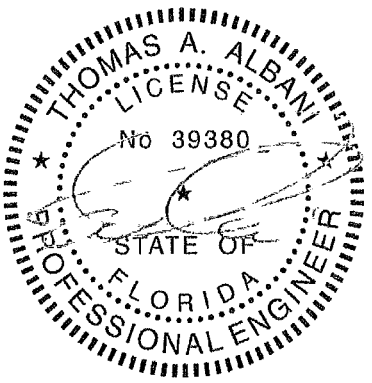
REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

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

2 COMPLETE TRUSSES REQUIRED.
Fasten plies together in staggered pattern.

	Connector	Rows	Spacing
TC	10d Gun Nails	1	12.0 in
BC	10d Gun Nails	2	12.0 in
WB	10d Gun Nails	1	8.0 in

TC Connection Exception -- Space connectors for the following top chords -
I -B 2 rows @ 12.0" o c
B -L 2 rows @ 12.0" o.c.
Web Connection Exception -- Space connectors for the following webs-
J -F 1 rows @ 4.0" o c.
F -K 1 rows @ 4.0" o c.
10d gun nails (0.131"x3") must be installed as noted above, as each layer is applied.
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 5842 Lbs
Max tens. force 5209 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.

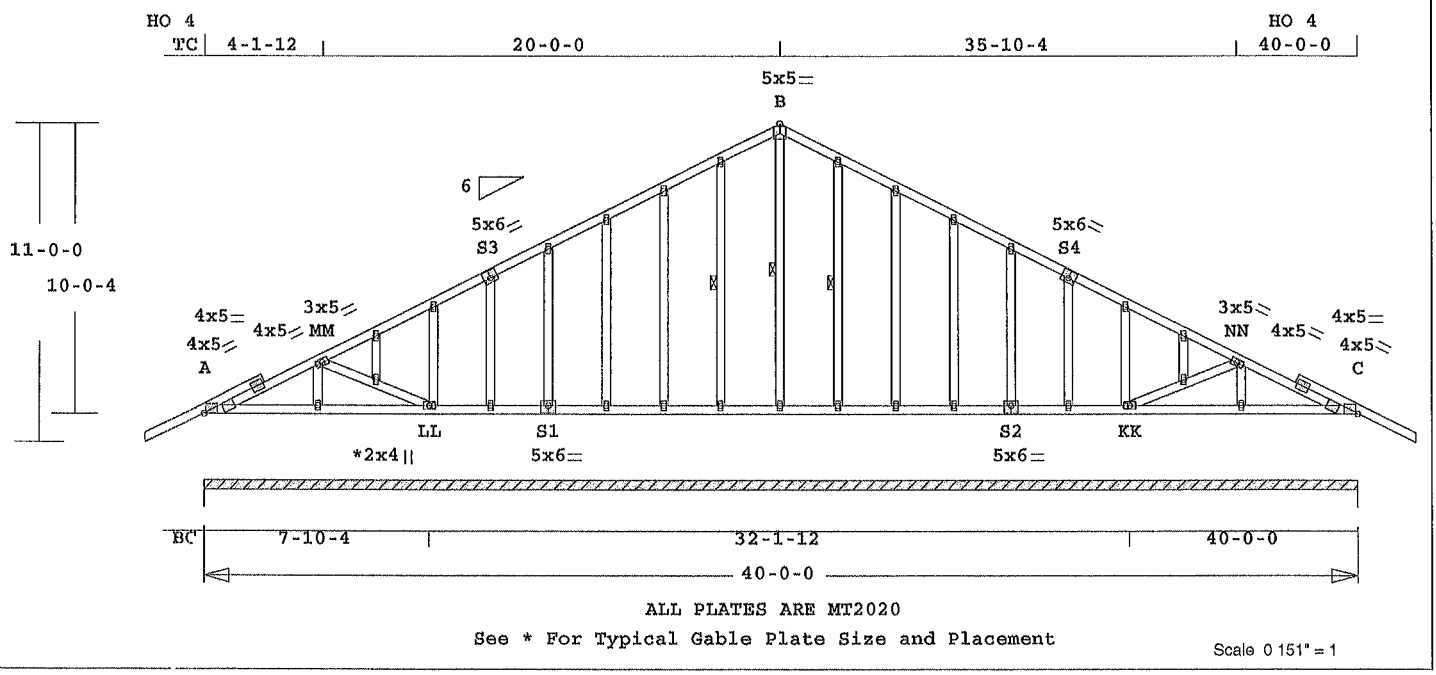


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	A3GE	1	TR	400000	6	0	0	T6460266

CASE



ALL PLATES ARE MT2020

See * For Typical Gable Plate Size and Placement

Scale 0 151" = 1

Online Plus -- Version 30.0.033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	--	-Lumber----
TC	0.15	2x 4		SP-#2
BC	0.09	2x 4		SP #2
WB	0.05	2x 4		SP-#2
GW	0.21	2x 4		SP #2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	40- 0- 0
or	48 0"	0- 0 0	40- 0- 0
BC	Cont	0- 0 0	40- 0- 0
or	120.0"	0- 0- 0	40- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
S -R T -B V U
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	3200		149 R

Jt	Brg Size	Required
A	480.0"	0"-to- 480"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -MM	0.15	161 C	0.00	0.15
MM-H	0.15	127 C	0.00	0.15
H -S3	0.11	76 C	0.00	0.11
S3-L	0.03	61 C	0 00	0.03
L -N	0.03	57 C	0.00	0.03
N -P	0.03	95 T	0.00	0.03
P -R	0.03	137 T	0.00	0.03
R -B	0.04	174 T	0.02	0.02
B -U	0.04	174 T	0.02	0.02
U -W	0.03	137 T	0.00	0.03
W -Y	0.03	95 T	0 00	0.03
Y -AA	0.03	57 C	0 00	0.03
AA-S4	0.03	61 C	0.00	0.03
S4-EE	0.11	76 C	0.00	0.11
EE-NN	0.15	127 C	0.00	0.15
NN-C	0.15	161 C	0.00	0.15
--------Bottom Chords---------				
A -E	0.09	6 T	0.00	0.09
E -I	0.09	0 T	0.00	0.09
I -K	0.06	0 T	0.00	0.06
K -S1	0.02	0 T	0.00	0.02
S1-O	0.02	0 T	0.00	0.02
O -Q	0.02	0 T	0.00	0.02
Q -S	0.02	0 T	0.00	0.02
S -T	0.02	0 T	0 00	0.02
T -V	0.02	0 T	0.00	0.02
V -X	0.02	0 T	0.00	0.02
X -Z	0.02	0 T	0.00	0.02
Z -S2	0.02	0 T	0.00	0.02
S2-DD	0.02	0 T	0 00	0.02
DD-FF	0.06	0 T	0.00	0.06
FF-JJ	0.09	0 T	0.00	0.09
JJ-C	0.09	6 T	0.00	0.09
----------Webs----------				
MM-I	0.05	188 T		
FF-NN	0.05	188 T		
----------Gable Webs----------				
E -MM	0.01	145 C		
I -H	0.05	196 C		
K -S3	0.04	93 C		
S1-L	0.09	124 C		
O -N	0.12	119 C		
Q -P	0.16	120 C		
S -R	0.21	122 C		1 Br
T -B	0.18	86 C		1 Br
V -U	0.21	122 C		1 Br
X -W	0.16	120 C		
Z -Y	0.12	119 C		
S2-AA	0.09	124 C		
DD-S4	0.04	93 C		
FF-EE	0.05	196 C		
JJ-NN	0.01	145 C		

TL Defl -0.01" in JJ-C L/999
LL Defl 0.00" in E -I L/999
Shear // Grain in A -D 0.14

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	4.0x 5.0	Ctr-0.3	Ctr	0.39
MM	MT20	3.0x 5.0	Ctr	Ctr	0.36
H	MT20	2.0x 4.0	Ctr	Ctr	0.33
S3	MT20	5.0x 6.0	-0.2	0.5	0.38
L	MT20	2.0x 4.0	Ctr	Ctr	0.29
N	MT20	2.0x 4.0	Ctr	Ctr	0.28
P	MT20	2.0x 4.0	Ctr	Ctr	0.28
R	MT20	2.0x 4.0	Ctr	Ctr	0.28
B	MT20	5.0x 5.0	Ctr	Ctr	0.34

MiTek® Online Plus™ APPROX TRUSS WEIGHT: 355 2 LBS

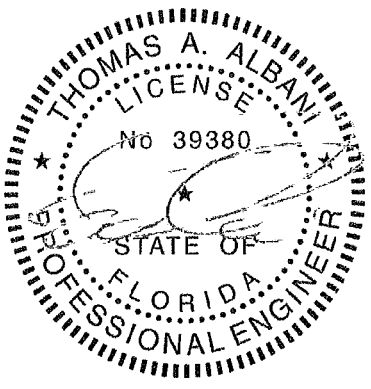
U	MT20	2.0x 4.0	Ctr	Ctr	0.28
W	MT20	2.0x 4.0	Ctr	Ctr	0.28
Y	MT20	2.0x 4.0	Ctr	Ctr	0.28
AA	MT20	2.0x 4.0	Ctr	Ctr	0.29
S4	MT20	5.0x 6.0	0.2	0.5	0.38
EE	MT20	2.0x 4.0	Ctr	Ctr	0.33
NN	MT20	3.0x 5.0	Ctr	Ctr	0 36
C	MT20	4.0x 5.0	Ctr-0.3		0.39
E	MT20	2.0x 4.0	Ctr	Ctr	0.30
I	MT20	3.0x 5.0	Ctr	Ctr	0.33
K	MT20	2.0x 4.0	Ctr	Ctr	0.34
S1	MT20	5.0x 6.0	Ctr-0.5		0.39
O	MT20	2.0x 4.0	Ctr	Ctr	0.34
Q	MT20	2.0x 4.0	Ctr	Ctr	0 34
S	MT20	2.0x 4.0	Ctr	Ctr	0.34
T	MT20	2.0x 4.0	Ctr	Ctr	0 34
V	MT20	2.0x 4.0	Ctr	Ctr	0.34
X	MT20	2.0x 4.0	Ctr	Ctr	0.34
Z	MT20	2.0x 4.0	Ctr	Ctr	0.34
S2	MT20	5.0x 6.0	Ctr-0 5		0.39
DD	MT20	2.0x 4.0	Ctr	Ctr	0.34
FF	MT20	5.0x 5.0	Ctr	Ctr	0.33
JJ	MT20	2.0x 4.0	Ctr	Ctr	0.30

2 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
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate
Design checked for 10 psf non-concurrent LL on BC.
Trusses 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 196 Lbs
Max tens. force 188 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.

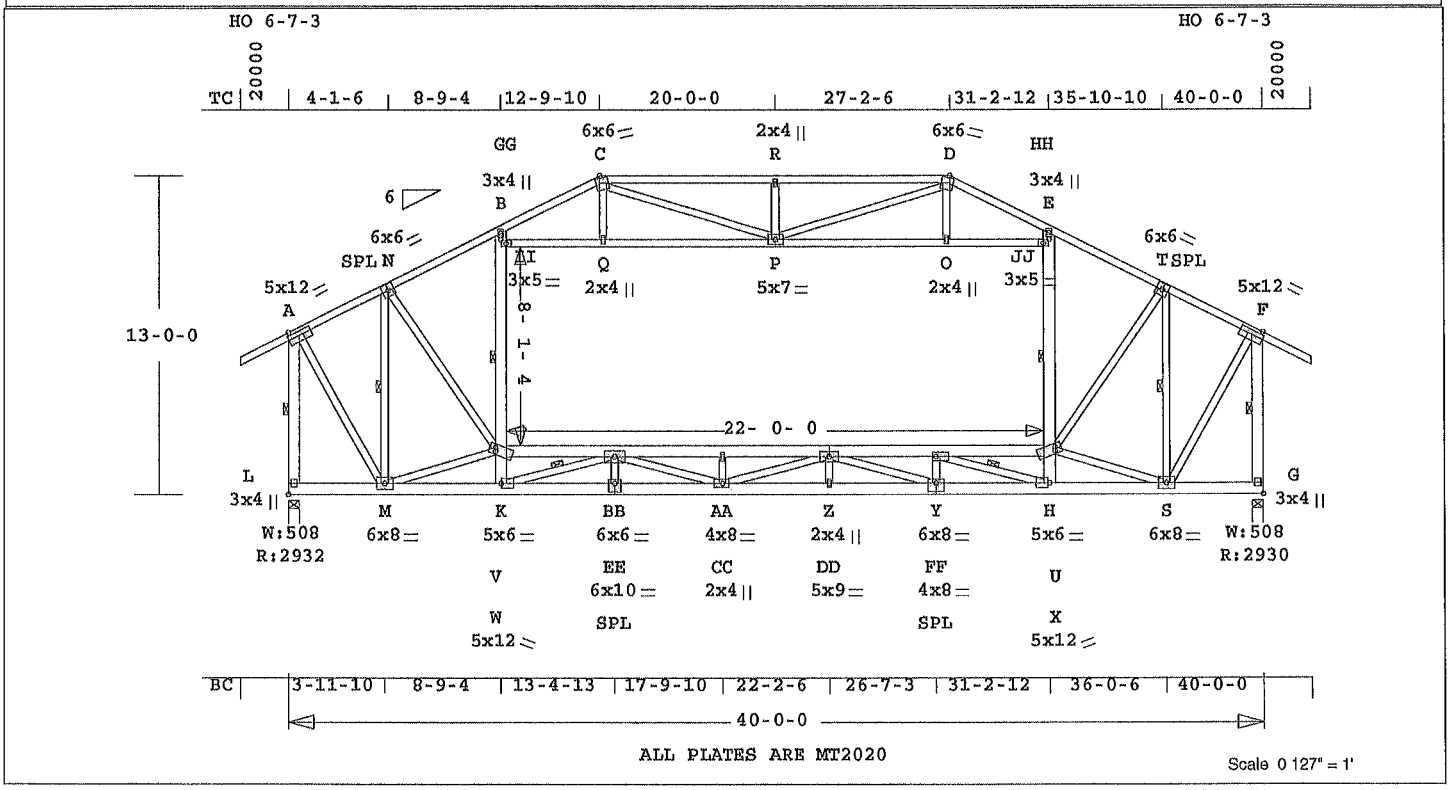


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	A4	11	HIPP	400000	6	2- 0- 0	2- 0- 0	T6460267

CASE



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 592 0 LBS

Online Plus -- Version 30 0.033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	--	-Lumber----
TC	0.97	2x 4	SP	#2
BC	0.88	2x 6	SP	#2
WB	0.73	2x 4	SP	#2
--	0.38	2x 6	SP	#2
	L -A	G -F		
--	0.51	2x 6	SP	SS
	K -B	H -E		
ACT	0.79	2x 4	SP	#2
AWT	0.17	2x 4	SP	#2
ACB	0.98	2x 6	SP	-#2
AWB	0.58	2x 4	SP	-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0 0	12- 9-10
or	36 0"	0- 0 0	12- 9-10
TC	42.0"	12- 9 10	27- 2- 6
TC	Cont.	27- 2- 6	40- 0- 0
or	36 0"	27- 2 6	40- 0- 0
BC	Cont.	0- 0 0	40- 0- 0
or	72 0"	0- 0 0	40- 0- 0
	Cont	Attic Chords (Top)	
or	48.0"	Attic Chords (Top)	

Continuous Lateral Restraint req'd at mid-point of webs:
L -A M -N K B H -E
S -T G -F K EE FF-H

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

psf-Ld	Dead	Live
TC	10 0	20.0
BC	10 0	0.0
TC+BC	20 0	20.0

Total 40 0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

	Fb	Fc	Ft	Emin
TC	1.10	1.10	1 10	1 10
BC	1 10	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
L	2932		234 R
G	2931		234 R

Jt	Brg Size	Required
L	5 5	3.5"
G	5.5"	3.5"

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

plf - Dead	Live*	From	To
TC V 20	40	0.0'	40.0'
BC V 20	0	0.0'	40.0'
MA V 10	0	8.8'	20.0'
MA V 10	0	20.0'	31.2'
MA V 10	80	8.8'	22.2'
MA V 10	80	22.2'	31.2'
WB S 10	0	B	W
WB S 10	0	E	X

Plus 21 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)
Plus 1 Attic 2 Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd	
----------Top Chords----------				
A -N	0.20	1344 C	0.01	0.19
N -B	0.31	2550 C	0.08	0.23
B -C	0.21	1493 C	0.10	0.11
C -R	0.97	2061 C	0.50	0.47
R -D	0.97	2061 C	0.50	0.47
D -E	0.20	1493 C	0.10	0.10
E -T	0.29	2561 C	0.08	0.21
T -F	0.21	1344 C	0.01	0.20
--------Bottom Chords--------				
L -M	0.04	201 T	0.00	0.04
M -K	0.22	706 T	0.04	0.18
K -BB	0.66	2888 T	0.44	0.22
BB-AA	0.59	2888 T	0.44	0.15
AA-Z	0.84	4540 T	0.70	0.14
Z -Y	0.88	4540 T	0.70	0.18
Y -H	0.70	3004 T	0.46	0.24
H -S	0.24	694 T	0.00	0.24
S -G	0.05	175 T	0.00	0.05
----------Webs----------				
L -A	0.38	2886 C	WindLd	1 Br
A -M	0.53	2376 T		
M -N	0.72	2295 C		1 Br
M -W	0.25	1068 T		
N -W	0.41	1825 T		
II-B	0.50	605 T	0.03	0.47
W -II	0.50	606 T	0.03	0.47
K -W	0.09	1281 T	0 07	0.02
JJ-E	0.51	609 T	0.03	0.48
X -JJ	0.51	611 T	0.03	0.48
H -X	0.37	1427 T	0.09	0.28
X -T	0.41	1835 T		
X -S	0.27	1115 T		
S -T	0.73	2316 C		1 Br
S -F	0.53	2382 T		
G -F	0.38	2883 C	WindLd	1 Br
------Attic Chords (Top)------				
II-Q	0.78	1539 C	0.44	0.34
Q -P	0.59	1541 C	0.46	0.13
P -O	0.59	1542 C	0.46	0.13
O -JJ	0.79	1539 C	0.44	0.35
-------Attic Webs (Top)-------				
Q -C	0.02	90 T		
C -P	0.17	768 T		
P -R	0.06	444 C		
P -D	0.17	768 T		
O -D	0.02	91 T		
------Attic Chords (Bot)------				
W -EE	0.98	2190 T	0.34	0.64
EE-CC	0.28	2465 C	0.02	0.26
CC-DD	0.27	2465 C	0.02	0.25
DD-FF	0.23	814 C	0.00	0.23
FF-X	0.65	2503 T	0.39	0.26
-------Attic Webs (Bot)-------				
K -EE	0.42	3043 C		1 Br
BB-EE	0.01	83 T		
EE-AA	0.44	1873 T		
AA-CC	0.05	448 C		
AA-DD	0.04	240 T		
Z -DD	0.02	155 T		
DD-Y	0.58	1627 C		
Y -FF	0.13	644 T		
FF-H	0.48	3496 C		1 Br

TL Defl -0.67" in AA-Z L/697
LL Defl -0.43" in AA-Z L/999
Shear // Grain in W -EE 0.31

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	5.0x12.0	0.2-0.4		0.81
N	MT20	6.0x 6.0	Ctr Ctr		0.59
B	MT20	3.0x 4.0	Ctr Ctr		0.28
C	MT20	6.0x 6.0	1.3-3 8		0.64
R	MT20	2.0x 4.0	Ctr Ctr		0.34
D	MT20	6.0x 6.0	-1.3-3.8		0.64
E	MT20	3.0x 4.0	Ctr Ctr		0.28
T	MT20	6.0x 6.0	Ctr Ctr		0.60
F	MT20	5.0x12.0	0-0 2-0.4		0.81
L	MT20	3.0x 4.0	Ctr Ctr		0.50
M	MT20	6.0x 8.0	Ctr Ctr		0.86
K	MT20	5.0x 6.0	0.5 Ctr		0.86
BB	MT20	6.0x 6.0	Ctr-1.2		0.63
AA	MT20	4.0x 8.0	-0.5 Ctr		0.80
Z	MT20	2.0x 4.0	Ctr Ctr		0.34
Y	MT20	6.0x 8.0	Ctr-1.2		0.91
H	MT20	5.0x 6.0	-1.0 Ctr		0.96
S	MT20	6.0x 8.0	Ctr Ctr		0.86
G	MT20	3.0x 4.0	Ctr Ctr		0.68
II	MT20	3.0x 5.0	Ctr Ctr		0.73
Q	MT20	2.0x 4.0	Ctr Ctr		0.32
P	MT20	5.0x 7.0	Ctr Ctr		0.48
O	MT20	2.0x 4.0	Ctr Ctr		0.32
JJ	MT20	3.0x 5.0	Ctr Ctr		0.73
W	MT20	5.0x12.0	Ctr Ctr		0.67
EE	MT20	6.0x10.0	Ctr Ctr		0.93
CC	MT20	2.0x 4.0	Ctr Ctr		0.34
DD	MT20	5.0x 9.0	Ctr Ctr		0.73
FF	MT20	4.0x 8.0	0.5 Ctr		0.87
X	MT20	5.0x12.0	Ctr Ctr		0.68

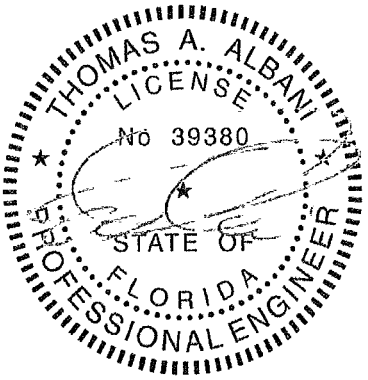
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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.
Partial-length live loads checked.
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	3496 Lbs
Max tens. force	4540 Lbs

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



FL Cert. 6634

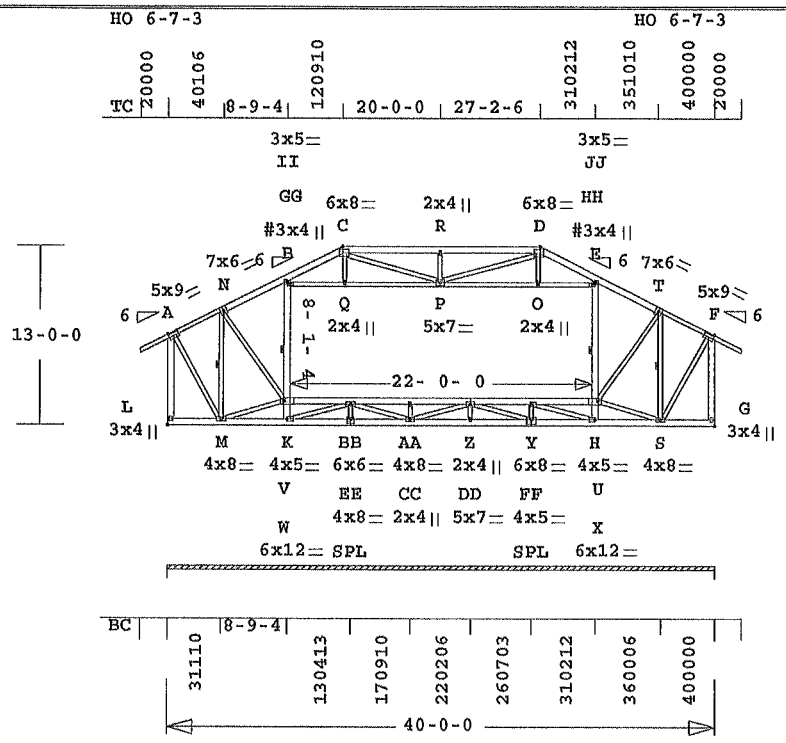
August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
CASE	*A4*	11	HIPP	400000	6	2- 0- 0	2- 0- 0	*T6460267*
CASE								

load deflection.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	*Engineering*
CASE	*A5GIR*	1	HIPP	400000	6	2- 0- 0	2- 0- 0	*T6460268*

CASE



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

Scale 0 071" = 1'

Online Plus -- Version 30.0 033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	----Lumber----
TC	0.85	2x 6	SP-#2
--	0.32	2x 4	SP #2
	A -N	T -F	
BC	0.10	2x 6	SP #2
WB	0.70	2x 6	SP #2
--	0.42	2x 4	SP #2
	A -M	M -N	M -W N -W
	X -T	X -S	S -T S -F
--	0.46	2x 6	SP SS
	K -B	H -E	
ACT	0.41	2x 4	SP #2
AWT	0.33	2x 4	SP #2
ACB	0.55	2x 6	SP #2
AWB	0.10	2x 4	SP-#2

Brace truss as follows:

	O C.	From	To
TC	24.0"	0- 0 0	12- 9-10
TC	36.0"	12- 9 10	27- 2- 6
TC	24.0"	27- 2 6	40- 0- 0
BC	120.0"	0- 0- 0	40- 0- 0

Cont Attic Chords (Top) or 120.0" Attic Chords (Top)

Continuous Lateral Restraint req'd at mid-point of webs:
M -N K -B H E S -T

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 42.0"

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-
L	10261		407 R

Jt	Brg Size	Required
L	480.0"	0"-to- 480"

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

plf -	Dead	Live*	From	To
TC V	35	70	0.0'	40.0'
BC V	35	0	0.0'	40.0'
MA V	18	0	8.8'	20.0'
MA V	18	0	20.0'	31.2'
MA V	18	140	8 8'	22.2'
MA V	18	140	22.2'	31.2'

MiTek® Online Plus™ APPROX TRUSS WEIGHT: 621 5 LBS

WB S	18	0	B	W
WB S	18	0	E	X

Plus 21 Wind Load Case(s)
Plus 1 LL Load Case(s)
Plus 1 DL Load Case(s)
Plus 1 Attic 2 Load Case(s)

Membr	CSI	P Lbs	Ax1	CSI-Bnd
----------Top Chords----------				
A -N	0.27	581	C	0.00 0.27
N -B	0.46	1118	C	0.00 0.46
B -C	0.48	2302	C	0.02 0.46
C -R	0.85	3425	C	0 39 0.46
R -D	0.85	3425	C	0.39 0.46
D -E	0.47	2304	C	0.02 0.45
E -T	0.45	1124	C	0.00 0.45
T -F	0.32	584	C	0.00 0.32
--------Bottom Chords---------				
L -M	0.10	0	T	0.00 0.10
M -K	0.10	0	T	0.00 0 10
K -BB	0.10	0	T	0.00 0.10
BB-AA	0.09	0	T	0.00 0.09
AA-Z	0.09	0	T	0.00 0.09
Z -Y	0.09	0	T	0.00 0.09
Y -H	0.10	0	T	0.00 0.10
H -S	0.10	0	T	0.00 0.10
S -G	0.10	0	T	0.00 0.10
------------Webs------- -----				
L -A	0.70	1580	C	WindLd
A -M	0.23	1042	T	
M -N	0.42	1333	C	1 Br
M -W	0.05	139	C	
N -W	0.19	853	T	
II-B	0.43	1239	C	0 10 0.33
W -II	0.46	1268	C	0.10 0.36
K -W	0.27	956	C	0.05 0.22
JJ-E	0.43	1232	C	0 10 0.33
X -JJ	0.45	1260	C	0.10 0.35
H -X	0.17	913	C	0.05 0.12
X -T	0.19	844	T	
X -S	0.07	164	C	
S -T	0.42	1346	C	1 Br
S -F	0.23	1060	T	
G -F	0.70	1582	C	WindLd
------Attic Chords (Top)------				
II-Q	0.32	1041	T	0.23 0.09
Q -P	0.41	1038	T	0 23 0.18
P -O	0.41	1040	T	0.23 0.18
O -JJ	0.33	1043	T	0 23 0.10
-------Attic Webs (Top)--------				
Q -C	0.03	107	T	
C -P	0.33	1495	T	
P -R	0.10	775	C	
P -D	0.33	1493	T	
O -D	0.03	107	T	
------Attic Chords (Bot)------				
W -EE	0.45	118	T	0.00 0.45
EE-CC	0.45	39	T	0.00 0.45
CC-DD	0.39	39	T	0.00 0.39
DD-FF	0.54	59	T	0.00 0.54
FF-X	0.55	160	T	0.01 0.54
-------Attic Webs (Bot)--------				
K -EE	0.04	105	C	
BB-EE	0.09	699	C	
EE-AA	0.02	67	C	
AA-CC	0.09	688	C	
AA-DD	0.02	68	C	
Z -DD	0.08	621	C	
DD-Y	0 02	74	C	
Y -FF	0.10	782	C	
FF-H	0.04	112	C	

TL Defl 0.00" in H -S L/999
LL Defl 0.00" in H -S L/999
Shear // Grain in FF-X 0.45

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

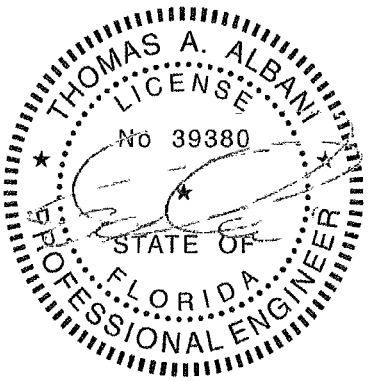
Jt	Type	Plt Size	X	Y	JSI
A	MT20	5.0x 9.0	Ctr	Ctr	0 59
N	MT20	7.0x 6.0	Ctr	Ctr	0.64
B#	MT20	3.0x 4.0-1	2-0.5		0.34
C	MT20	6.0x 8.0-0.5	Ctr		0.66
R	MT20	2.0x 4.0	Ctr	Ctr	0.34
D	MT20	6.0x 8.0	0.5	Ctr	0.66
E#	MT20	3.0x 4.0	1.3-0	6	0.36
T	MT20	7.0x 6.0	Ctr	Ctr	0.64
F	MT20	5.0x 9.0	Ctr	Ctr	0.59
L	MT20	3.0x 4.0	Ctr	Ctr	0.28
M	MT20	4.0x 8.0	Ctr	Ctr	0.56
K	MT20	4.0x 5.0	Ctr	Ctr	0 24
BB	MT20	6.0x 6.0	Ctr-1.2		0.43
AA	MT20	4.0x 8.0	Ctr	Ctr	0.22
Z	MT20	2.0x 4.0	Ctr	Ctr	0 34
Y	MT20	6.0x 8.0	Ctr-1.2		0.51
H	MT20	4.0x 5.0	Ctr	Ctr	0.27
S	MT20	4.0x 8.0	Ctr	Ctr	0.58
G	MT20	3.0x 4.0	Ctr	Ctr	0.37
II	MT20	3.0x 5.0	Ctr	Ctr	0.73
Q	MT20	2 0x 4.0	Ctr	Ctr	0.41
P	MT20	5.0x 7.0	Ctr	Ctr	0.80
O	MT20	2.0x 4.0	Ctr	Ctr	0.41
JJ	MT20	3 0x 5.0	Ctr	Ctr	0.73
W	MT20	6.0x12.0	Ctr-0.2		0.71
EE	MT20	4.0x 8.0	Ctr	Ctr	0.22
CC	MT20	2.0x 4.0	Ctr	Ctr	0.34
DD	MT20	5.0x 7.0	Ctr	Ctr	0.73
FF	MT20	4.0x 5.0	Ctr	Ctr	0.26
X	MT20	6.0x12.0	Ctr-0.2		0.70

= 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
OH Loading
Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Partial-length live loads checked.
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 3425 Lbs
Max tens. force 1495 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.

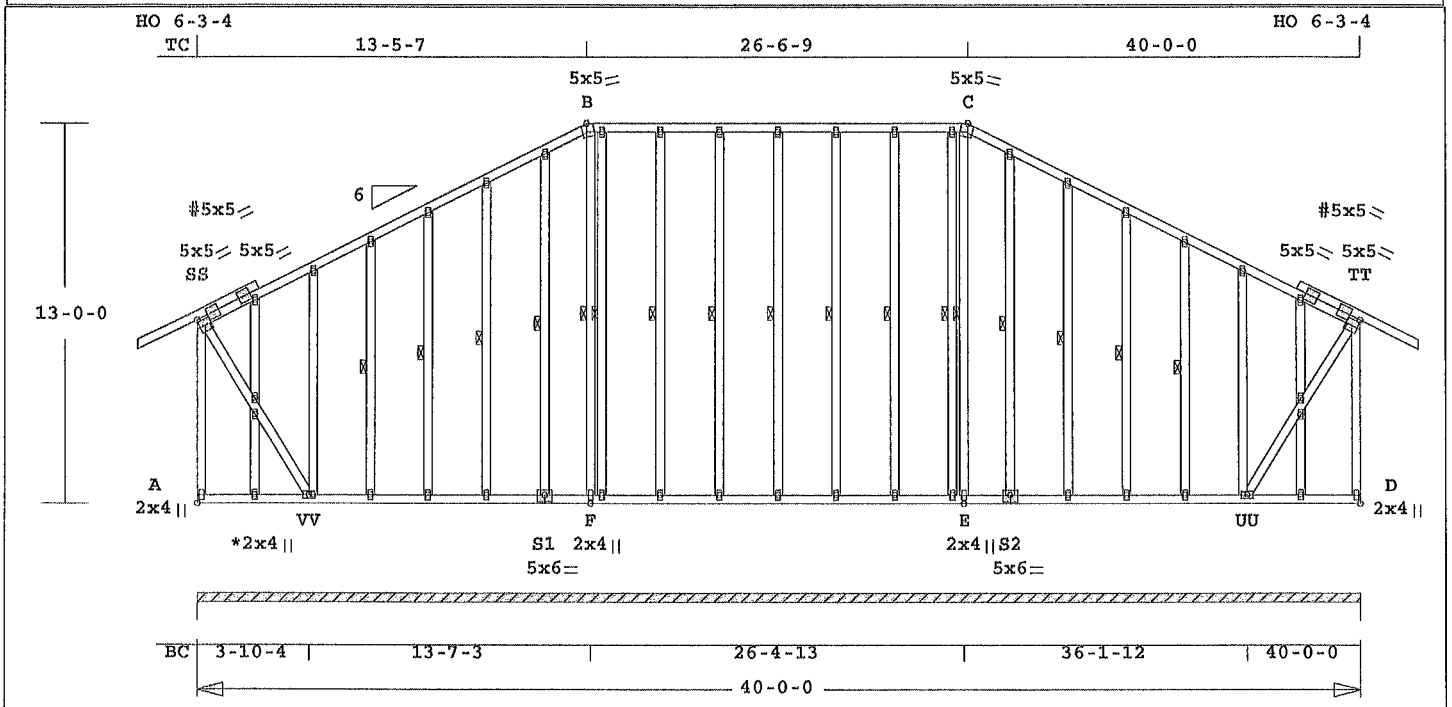


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	A6GE	1	HIPP	400000	6	0	0	T6460269

CASE



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

See * For Typical Gable Plate Size and Placement

Scale 0 152 = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT 642 6 LBS

Online Plus -- Version 30.0 033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	--	-Lumber----
TC	0.19	2x 4	SP	#2
BC	0.09	2x 4	SP	#2
WB	0.20	2x 4	SP	#2
GW	0.45	2x 4	SP	#2

Brace truss as follows:

	O.C	From	To
TC	Cont	0- 0 0	13- 5- 7
or	48.0"	0- 0 0	13- 5- 7
TC	48 0"	13- 5- 7	26- 6- 9
TC	Cont	26- 6 9	40- 0- 0
or	48.0"	26- 6 9	40- 0- 0
BC	Cont.	0- 0 0	40- 0- 0
or	120.0"	0- 0 0	40- 0- 0

Continuous Lateral Restraint req'd at mid-point of webs:
F -B E -C L K N -M
P -O S1-Q T -S V -U
X -W Z -Y BB AA DD-CC
FF-EE S2-GG JJ II LL-KK
NN-MM

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

psf-Ld	Dead	Live
TC	10 0	20.0
BC	10.0	0.0
TC+BC	20 0	20.0
Total	40 0	Spacing 24.0"
Lumber Duration Factor		1.25
Plate Duration Factor		1.25

	Fb	Fc	Ft	Emin
TC	1.10	1.10	1 10	1.10
BC	1.10	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	3200		233 R

Jt	Brg Size	Required
A	480 0"	0"-to- 480"

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

Membr	CSI	P Lbs	Axl-CSI-Bnd	
	-----Top Chords-----			
SS-I	0.19	67 T	0.01	0.18
I -K	0.15	76 T	0.00	0.15
K -M	0.04	103 T	0.00	0.04
M -O	0.04	146 T	0.00	0.04
O -Q	0.04	188 T	0.00	0.04
Q -B	0.04	217 T	0 03	0.01
B -S	0.04	212 T	0.03	0.01
S -U	0.04	212 T	0.03	0.01
U -W	0.04	212 T	0 00	0.04
W -Y	0.04	212 T	0.00	0.04
Y -AA	0.04	212 T	0.00	0.04
AA-CC	0.04	212 T	0.00	0.04
CC-EE	0.04	212 T	0.03	0.01
EE-C	0.04	212 T	0.03	0.01
C -GG	0.04	217 T	0.03	0.01
GG-II	0.04	188 T	0.00	0 04
II-KK	0.04	146 T	0.00	0.04
KK-MM	0.04	103 T	0.00	0.04
MM-OO	0.15	76 T	0.00	0.15
OO-TT	0 19	67 T	0.01	0.18
	-----Bottom Chords-----			
A -J	0.09	0 T	0.00	0.09
J -L	0.08	0 T	0.00	0.08
L -N	0.02	0 T	0.00	0.02
N -P	0.02	0 T	0.00	0.02
P -S1	0.02	0 T	0.00	0.02
S1-F	0.01	0 T	0.00	0.01
F -T	0.01	0 T	0.00	0.01
T -V	0.02	0 T	0.00	0.02
V -X	0.02	0 T	0.00	0.02
X -Z	0.02	0 T	0.00	0.02
Z -BB	0.02	0 T	0.00	0.02
BB-DD	0 02	0 T	0.00	0.02
DD-FF	0.02	0 T	0.00	0.02
FF-E	0.01	0 T	0.00	0.01
E -S2	0.01	0 T	0.00	0.01
S2-JJ	0.02	0 T	0.00	0.02
JJ-LL	0.02	0 T	0.00	0.02
LL-NN	0.02	0 T	0.00	0.02
NN-PP	0.08	0 T	0.00	0.08
PP-D	0.09	0 T	0 00	0.09
	-----Webs-----			
A -SS	0.17	203 C	WindLd	
SS-J	0.16	259 T		
F -B	0.20	55 C		1 Br
E -C	0.20	55 C		1 Br
PP-TT	0.16	259 T		
D -TT	0.13	203 C	WindLd	
	-----Gable Webs-----			
J -I	0.25	226 C		
L -K	0.15	84 C		1 Br
N -M	0.27	124 C		1 Br
P -O	0.33	122 C		1 Br
S1-Q	0.35	109 C		1 Br
T -S	0.26	73 C		1 Br
V -U	0.45	124 C		1 Br
X -W	0.43	120 C		1 Br
Z -Y	0.43	119 C		1 Br
BB-AA	0.43	120 C		1 Br
DD-CC	0.45	124 C		1 Br
FF-EE	0.26	73 C		1 Br
S2-GG	0.35	109 C		1 Br
JJ-II	0.33	122 C		1 Br
LL-KK	0.27	124 C		1 Br
NN-MM	0.15	84 C		1 Br
PP-OO	0.25	226 C		

TL Defl -0.01" in A -J L/999
LL Defl -0.01" in A -J L/999
Shear // Grain in SS-I 0.15

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

Jt	Type	Plt Size	X	Y	JSI
SS	MT20	5.0x 5.0	Ctr	Ctr	0.28
I	MT20	2.0x 4.0	Ctr	Ctr	0.33
K	MT20	2.0x 4.0	Ctr	Ctr	0.31
M	MT20	2.0x 4.0	Ctr	Ctr	0.29
O	MT20	2.0x 4.0	Ctr	Ctr	0.28
Q	MT20	2.0x 4.0	Ctr	Ctr	0 30
B	MT20	5.0x 5.0	0.7-3.0		0.33
S	MT20	2.0x 4.0	Ctr	Ctr	0.34
U	MT20	2.0x 4.0	Ctr	Ctr	0.34
W	MT20	2.0x 4.0	Ctr	Ctr	0 34
Y	MT20	2.0x 4.0	Ctr	Ctr	0.34
AA	MT20	2.0x 4.0	Ctr	Ctr	0 34
CC	MT20	2.0x 4.0	Ctr	Ctr	0.34
EE	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	5.0x 5.0	0.7-3.0		0.33
GG	MT20	2.0x 4.0	Ctr	Ctr	0.30
II	MT20	2.0x 4.0	Ctr	Ctr	0.28
KK	MT20	2.0x 4.0	Ctr	Ctr	0.29
MM	MT20	2.0x 4.0	Ctr	Ctr	0.31
OO	MT20	2.0x 4.0	Ctr	Ctr	0 33
TT	MT20	5.0x 5.0	Ctr	Ctr	0.24
A	MT20	2.0x 4.0	Ctr	Ctr	0.34
J	MT20	3.0x 5.0	Ctr	Ctr	0.33
L	MT20	2.0x 4.0	Ctr	Ctr	0.34
N	MT20	2.0x 4.0	Ctr	Ctr	0.34
P	MT20	2.0x 4.0	Ctr	Ctr	0.34
S1	MT20	5.0x 6.0	Ctr	-0.5	0.39
F	MT20	2.0x 4.0	Ctr	Ctr	0.34
T	MT20	2.0x 4.0	Ctr	Ctr	0.34
V	MT20	2.0x 4.0	Ctr	Ctr	0.34
X	MT20	2.0x 4.0	Ctr	Ctr	0.34
Z	MT20	2.0x 4.0	Ctr	Ctr	0.34
BB	MT20	2.0x 4.0	Ctr	Ctr	0.34
DD	MT20	2.0x 4.0	Ctr	Ctr	0 34
FF	MT20	2.0x 4.0	Ctr	Ctr	0.34
E	MT20	2.0x 4.0	Ctr	Ctr	0.34
S2	MT20	5.0x 6.0	Ctr	-0.5	0.39
JJ	MT20	2.0x 4.0	Ctr	Ctr	0.34
LL	MT20	2.0x 4.0	Ctr	Ctr	0.34
NN	MT20	2.0x 4.0	Ctr	Ctr	0.34
PP	MT20	3.0x 5.0	Ctr	Ctr	0.33
D	MT20	2.0x 4.0	Ctr	Ctr	0.34

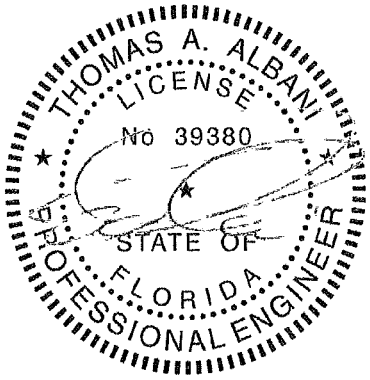
4 Gable studs to be attached with 2.0x4.0 plates each end.
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

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
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.
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	226 Lbs
Max tens. force	259 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.

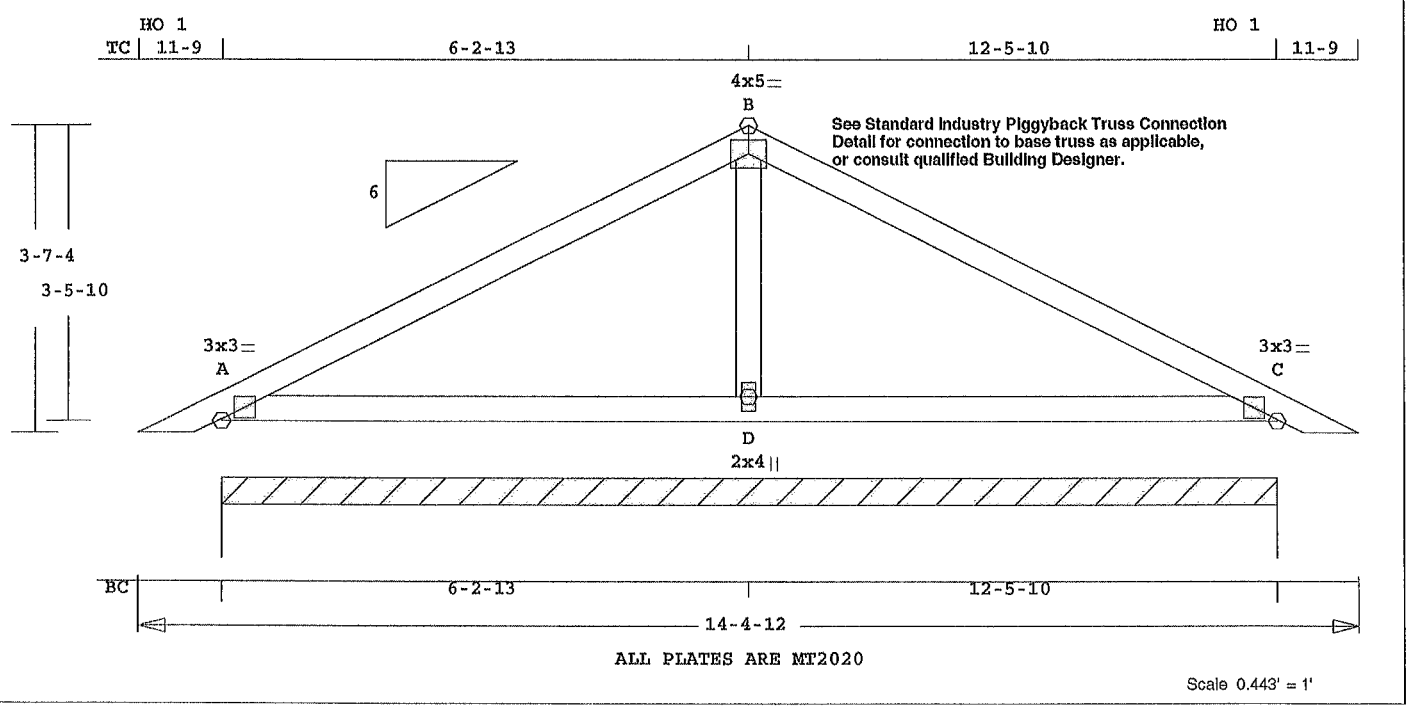


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	P1	11	TR	140412	6	11- 9	11- 9	T6460270

CASE



ALL PLATES ARE MT2020

Scale 0.443' = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT: 59 3 LBS

Online Plus -- Version 30.0.033
RUN DATE: 07-AUG-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	0.27	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	14- 4-12
or	48.0"	0- 0- 0	14- 4-12
BC	Cont.	0- 0- 0	14- 4-12
or	72.0"	0- 0- 0	14- 4-12

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	1000		37 R

Jt	Brg Size	Required
A	149.6"	0"-to- 150"

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

Membr	CSI	P Lbs	Axl	CSI-Bnd
----------Top Chords----------				
A -B	0.35	474 C	0.00	0.35
B -C	0.35	474 C	0.00	0.35
--------Bottom Chords---------				
A -D	0.27	25 C	0.00	0.27
D -C	0.27	25 C	0.00	0.27
------------Webs------------				
D -B	0.02	130 T		

TL Defl -0.06" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in A -B 0.21

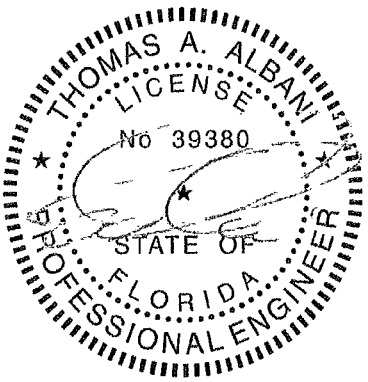
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 3.0	Ctr	Ctr	0.57
B	MT20	4.0x 5.0	Ctr	Ctr	0.80
C	MT20	3.0x 3.0	Ctr	Ctr	0.57
D	MT20	2.0x 4.0	Ctr	Ctr	0.12

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified Building Designer as per ANSI/TPI 1.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 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 474 Lbs
Max tens. force 271 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.

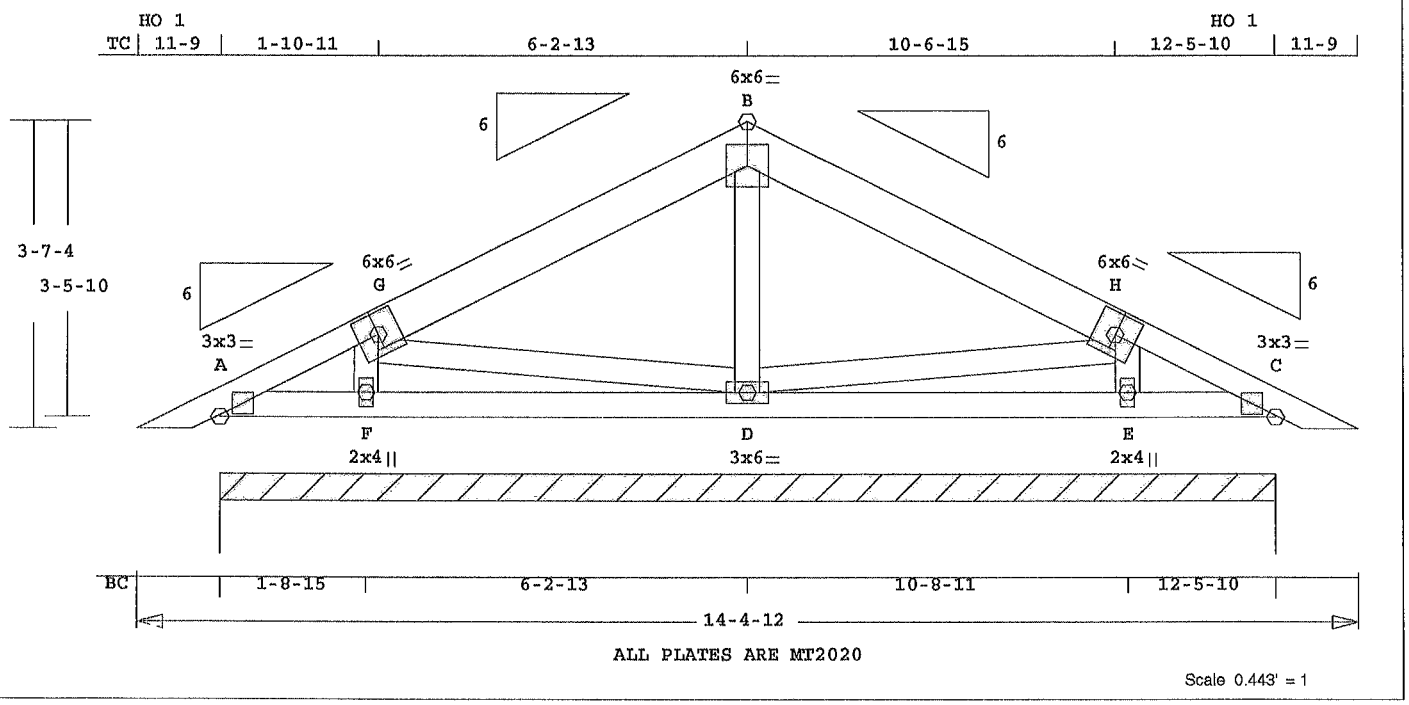


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	*P1GIR*	1	TR	140412	6	11- 9	11- 9	*T6460271*

CASE



MiTek® Online Plus™ APPROX TRUSS WEIGHT 86 9 LBS

Online Plus -- Version 30.0.033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	----Lumber----
TC	0.22	2x 4	SP-#2
--	0.20	2x 6	SP-#2
	G -B	B -H	
BC	0.24	2x 4	SP-#2
WB	0.06	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	24.0"	0- 0- 0	14- 4-12
BC	120.0"	0- 0- 0	14- 4-12

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 42.0"
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	1750		62 R

Jt	Brg Size	Required
A	149.6"	0"-to- 150"

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

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -G	0.22	76 C	0.00		0.22
G -B	0.20	124 T	0.00		0.20
B -H	0.20	124 T	0.00		0.20
H -C	0.22	76 C	0.00		0.22
Bottom Chords					
A -F	0.15	6 T	0.00		0.15
F -D	0.24	0 T	0.00		0.24
D -E	0.24	0 T	0.00		0.24
E -C	0.15	6 T	0.00		0.15
Webs					
F -G	0.06	388 C			
G -D	0.00	52 T			
D -B	0.06	362 C			
D -H	0.00	52 T			
E -H	0.06	388 C			

TL Defl -0.02" in F -D L/999
LL Defl -0.01" in F -D L/999
Shear // Grain in G -B 0.18

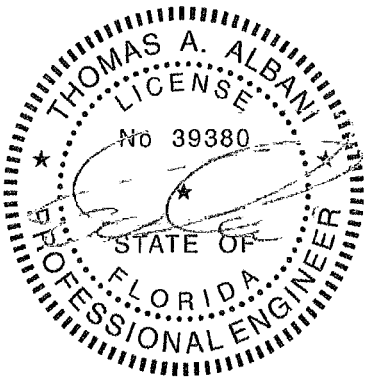
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 3.0	Ctr	Ctr	0.57
G	MT20	6.0x 6.0	Ctr	Ctr	0.43
B	MT20	6.0x 6.0	Ctr	Ctr	0.45
H	MT20	6.0x 6.0	Ctr	Ctr	0.43
C	MT20	3.0x 3.0	Ctr	Ctr	0.57
F	MT20	2.0x 4.0	Ctr	Ctr	0.33
D	MT20	3.0x 6.0	Ctr	Ctr	0.28
E	MT20	2.0x 4.0	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
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 388 Lbs
Max tens. force 364 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.

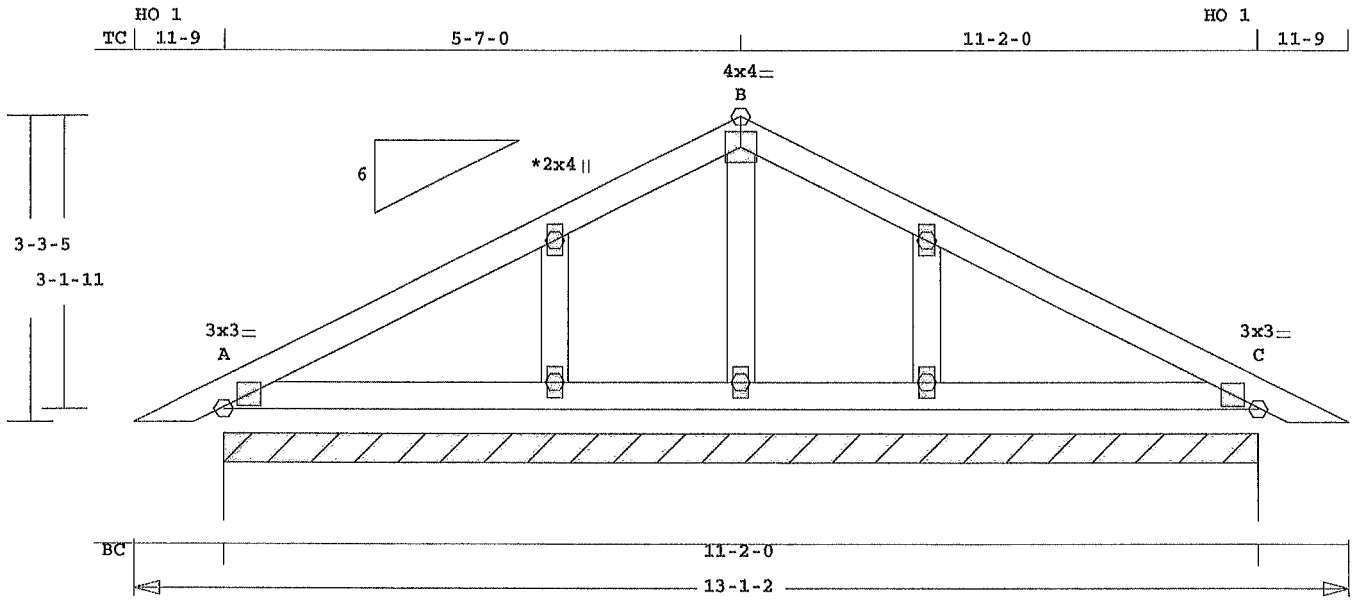


FL Cert. 6634

August 7,2014

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
CASE	P2GE	1	TR	130102	6	11- 9	11- 9	T6460272

CASE



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale 0 485" = 1'

MiTek® Online Plus™ APPROX TRUSS WEIGHT 59 5 LBS

Online Plus -- Version 30.0.033
RUN DATE: 07-AUG-14

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

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.07	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	13- 1- 2
or	48.0"	0- 0- 0	13- 1- 2
BC	Cont.	0- 0- 0	13- 1- 2
or	72.0"	0- 0- 0	13- 1- 2

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	896		33 R

Jt	Brg Size	Required
A	134.0"	0"-to- 134"

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

Membr	CSI	P	Lbs	Axl-CSI-Bnd
----------Top Chords----------				
A -D	0.10	97 C	0.00	0.10
D -B	0.09	114 C	0.00	0.09
B -G	0.09	114 C	0.00	0.09
G -C	0.10	97 C	0.00	0.10
--------Bottom Chords---------				
A -E	0.07	10 T	0.00	0.07
E -F	0.06	0 T	0.00	0.06
F -H	0.06	0 T	0.00	0.06
H -C	0.07	10 T	0.00	0.07
----------Gable Webs----------				
E -D	0.03	188 C		
F -B	0.00	44 C		
H -G	0.03	188 C		

TL Defl -0.01" in H -C L/999
LL Defl 0.00" in H -C L/999
Shear // Grain in A -D 0.12

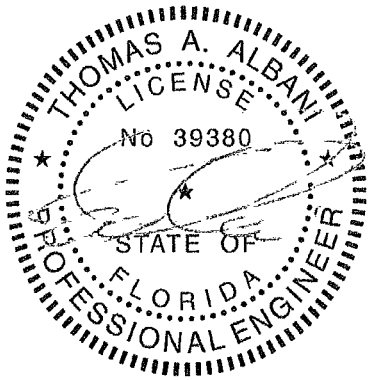
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 3.0	Ctr	Ctr	0.57
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	4.0x 4.0	Ctr	Ctr	0.43
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 3.0	Ctr	Ctr	0.57
E	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

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 188 Lbs
Max tens. force 170 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

August 7,2014

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

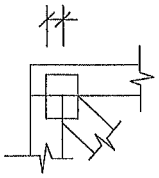


PLATE LOCATION

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

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

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

LATERAL BRACING

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

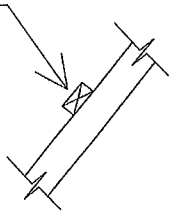
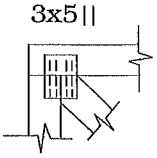


PLATE SIZE AND ORIENTATION

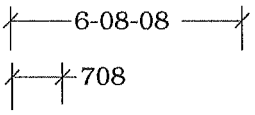
3x5||

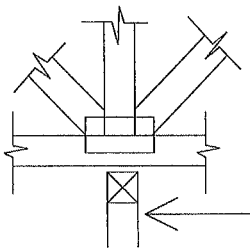


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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.

MiTek®
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