Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

73

RE: MAYO-FERT-ADD - ROOF DESIGN INFO

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

Site Information:
Customer Info: Mayo Fertilizer Project Name: MAYO FERTILIZER ADDITION Model:
Lot/Block: . Subdivision: .
Address: .
City: .lake city State: fkorida

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 30.0.011
Wind Code: ASCE 7-10 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 2 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	T4458542	R3	7/13/012
2	T4458543	R4	7/13/012

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

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

Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

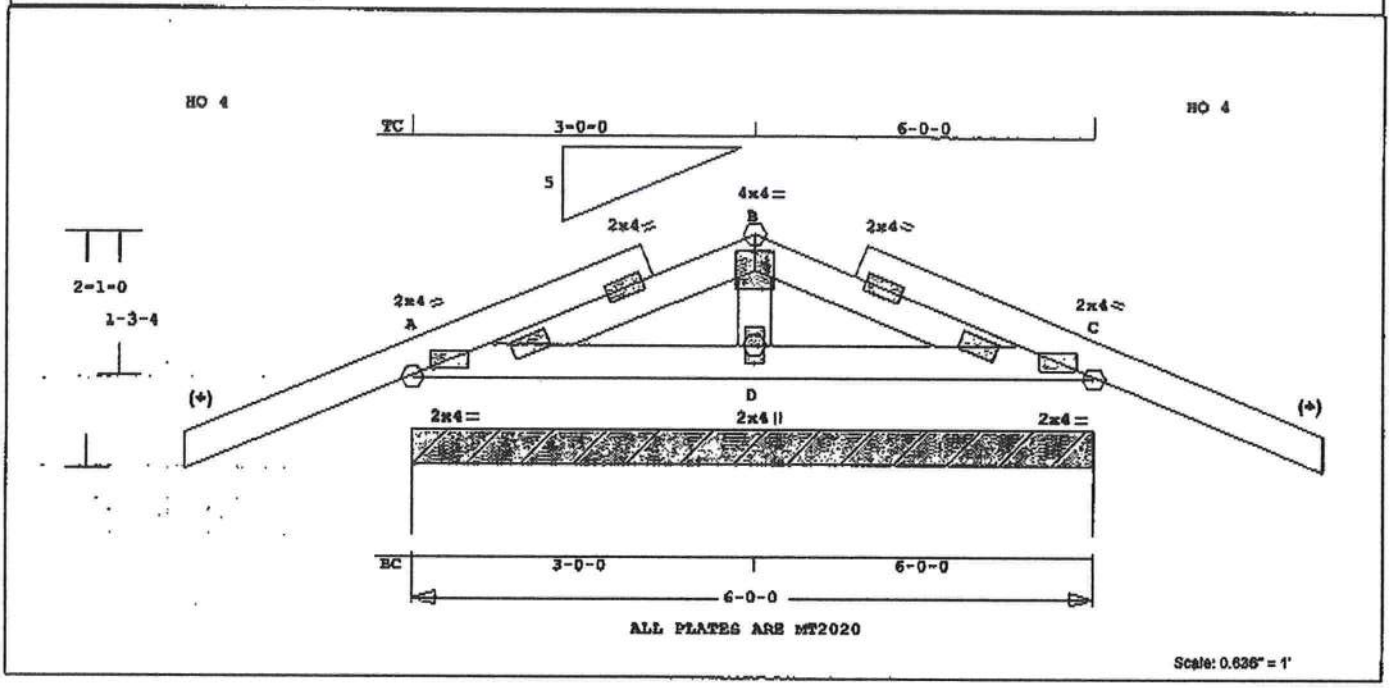
JOAQUIN VELEZ LICENSE No. 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL Cert. 6634

July 13,2012

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
MAYO-FERT-ADD	R3	3	TR	60000	5	0	0	T4458542

MAYO FERTILIZER ADDITION



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 39.0 LBS

Online Plus -- Version 30.0.011
RUN DATE: 13-JUL-12

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON

	CSI	Size	Lumber	
TC	0.02	2x 4	SP-#2	(+)
BC	0.02	2x 4	SP-#2	
WB	0.01	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	371		

Jt	Brg Size	Required
A	72.0"	0"-to- 72"

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-End	
Top Chords				
A -B	0.02	33 T	0.00	0.02
B -C	0.02	33 T	0.00	0.02
Bottom Chords				
A -D	0.02	0 T	0.00	0.02
D -C	0.02	0 T	0.00	0.02
Webs				
D -B	0.01	90 T		

TL Defl 0.00" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.06

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.68
B	MT20	4.0x 4.0	Ctr	Ctr	0.44
C	MT20	2.0x 4.0	Ctr	Ctr	0.68
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.

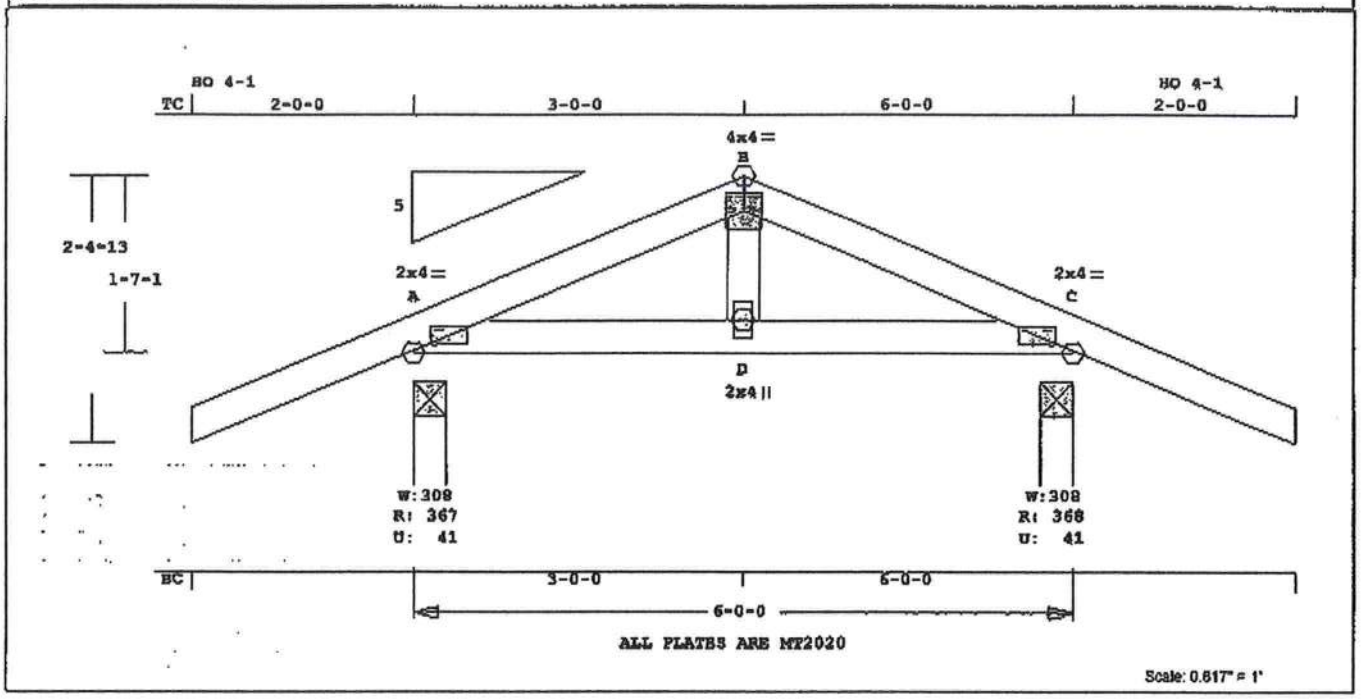
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
Design checked for 10 psf non-concurrent LL on BC.
Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, 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 88 Lbs
Max tens. force 90 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

July 13,2012

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
MAYO-FERT-ADD	R4	9	TR	60000	5	2- 0- 0	2- 0- 0	T4458543

MAYO FERTILIZER ADDITION



Online Plus -- Version 30.0.011
RUN DATE: 13-JUL-12

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON

	CSI	-Size-	----Lumber----
TC	0.14	2x 4	SP-#2
BC	0.08	2x 4	SP-#2
WB	0.02	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	368	42 U	
C	368	42 U	

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

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

Membr	CSI	F Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.14	465 T	0.07	0.07
B -C	0.14	465 T	0.07	0.07
--------Bottom Chords---------				
A -D	0.08	377 C	0.05	0.03
D -C	0.08	377 C	0.05	0.03

HiTek® Online Plus™ APPROX. TRUSS WEIGHT: 34.1 LBS

----------Webs----------			
D -B	0.02	177 C	

TL Defl -0.01" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.09

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

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.68
B	MT20	4.0x 4.0	Ctr	Ctr	0.44
C	MT20	2.0x 4.0	Ctr	Ctr	0.68
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.
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 377 Lbs
Max tens. force 465 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

July 13,2012

ONLINE PLUS GENERAL NOTES & SYMBOLS

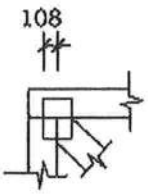
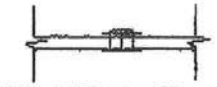


PLATE LOCATION

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

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



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

LATERAL BRACING

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

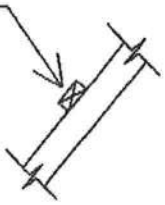
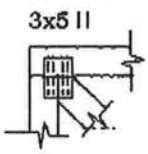


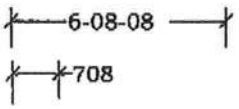
PLATE SIZE AND ORIENTATION

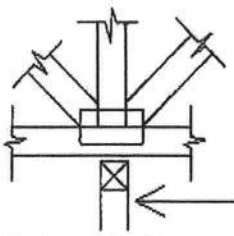


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

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





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

BEARING

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

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

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

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

MiTek®

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

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

Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

RE: MAYO-FERT-ADD -

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

Site Information:
Customer Info: Mayo Fertilizer Project Name: MAYO FERTILIZER ADDITION Model: .
Lot/Block: . Subdivision: .
Address: .
City: .lake city State: fkorida

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 30.0.011
Wind Code: ASCE 7-10 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 2 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	T4453383	R1	7/6/012
2	T4453384	R2	7/6/012

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, 2013.

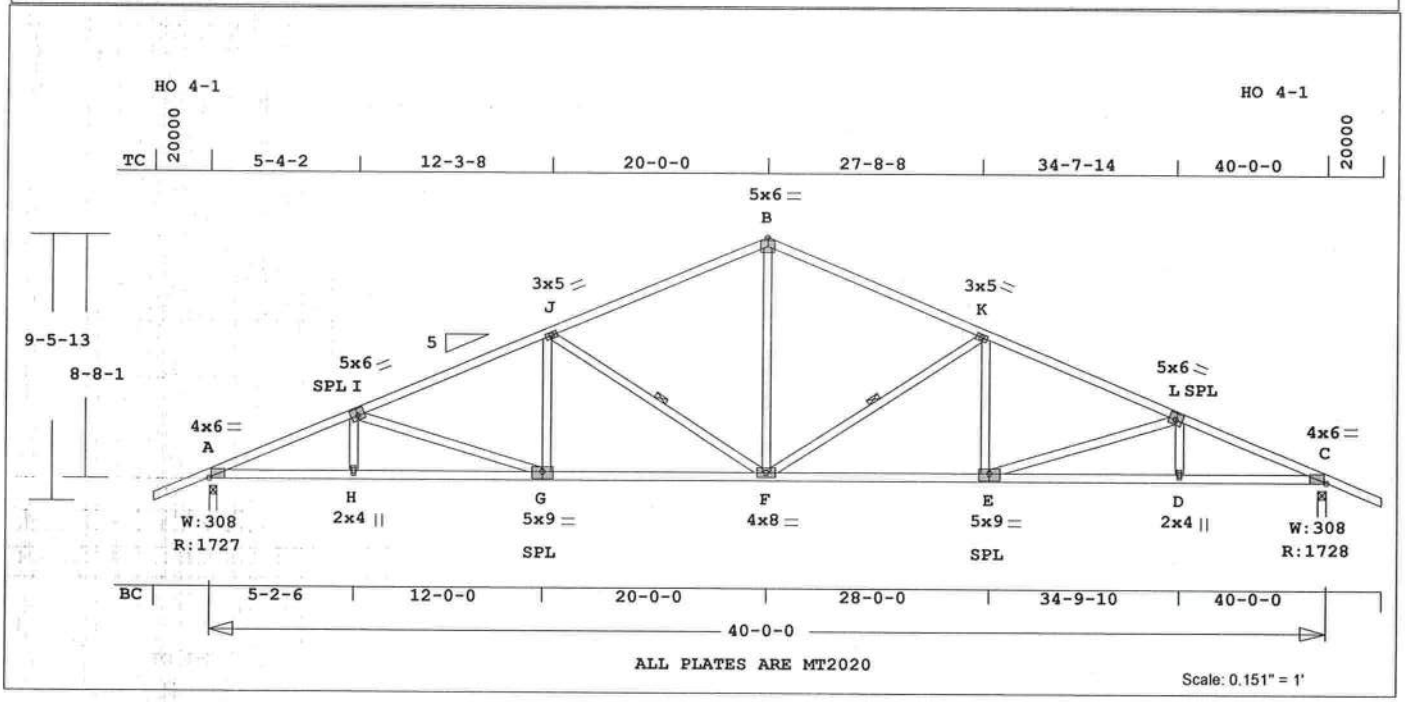
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

FL Cert. 6634

July 6,2012

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MAYO-FERT-ADD	R1	20	TR	400000	5	2- 0- 0	2- 0- 0	T4453383

MAYO FERTILIZER ADDITION



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 267.2 LBS

Online Plus -- Version 30.0.011
RUN DATE: 06-JUL-12

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON

	CSI	-Size-	----Lumber----
TC	0.90	2x 4	SP-#2
BC	0.90	2x 4	SP-#2
WB	0.52	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	96.0"	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	1728		118 R
C	1728		118 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 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -I	0.44	3494 C	0.19 0.25
I -J	0.73	2900 C	0.12 0.61
J -B	0.90	2088 C	0.25 0.65
B -K	0.90	2088 C	0.25 0.65
K -L	0.73	2900 C	0.12 0.61
L -C	0.44	3494 C	0.19 0.25
Bottom Chords			
A -H	0.87	3225 T	0.68 0.19
H -G	0.90	3225 T	0.68 0.22
G -F	0.78	2687 T	0.57 0.21
F -E	0.78	2687 T	0.57 0.21
E -D	0.90	3225 T	0.68 0.22
D -C	0.87	3225 T	0.68 0.19
Webs			
H -I	0.04	208 T	
I -G	0.52	564 C	
G -J	0.08	441 T	
J -F	0.37	909 C	1 Br
F -B	0.26	1148 T	
F -K	0.37	909 C	1 Br
E -K	0.08	441 T	
E -L	0.52	564 C	
D -L	0.04	208 T	

TL Defl -0.64" in F -E L/733
LL Defl -0.24" in G -F L/999
Shear // Grain in J -B 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 6.0	Ctr	0.1	0.85
I	MT20	5.0x 6.0	-0.2	0.5	0.68
J	MT20	3.0x 5.0	Ctr	Ctr	0.37
B	MT20	5.0x 6.0	Ctr	Ctr	0.77
K	MT20	3.0x 5.0	Ctr	Ctr	0.37
L	MT20	5.0x 6.0	0.2	0.5	0.68
C	MT20	4.0x 6.0	Ctr	0.1	0.85
H	MT20	2.0x 4.0	Ctr	Ctr	0.34
G	MT20	5.0x 9.0	Ctr	-0.5	0.80
F	MT20	4.0x 8.0	Ctr	Ctr	0.43
E	MT20	5.0x 9.0	Ctr	-0.5	0.80
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

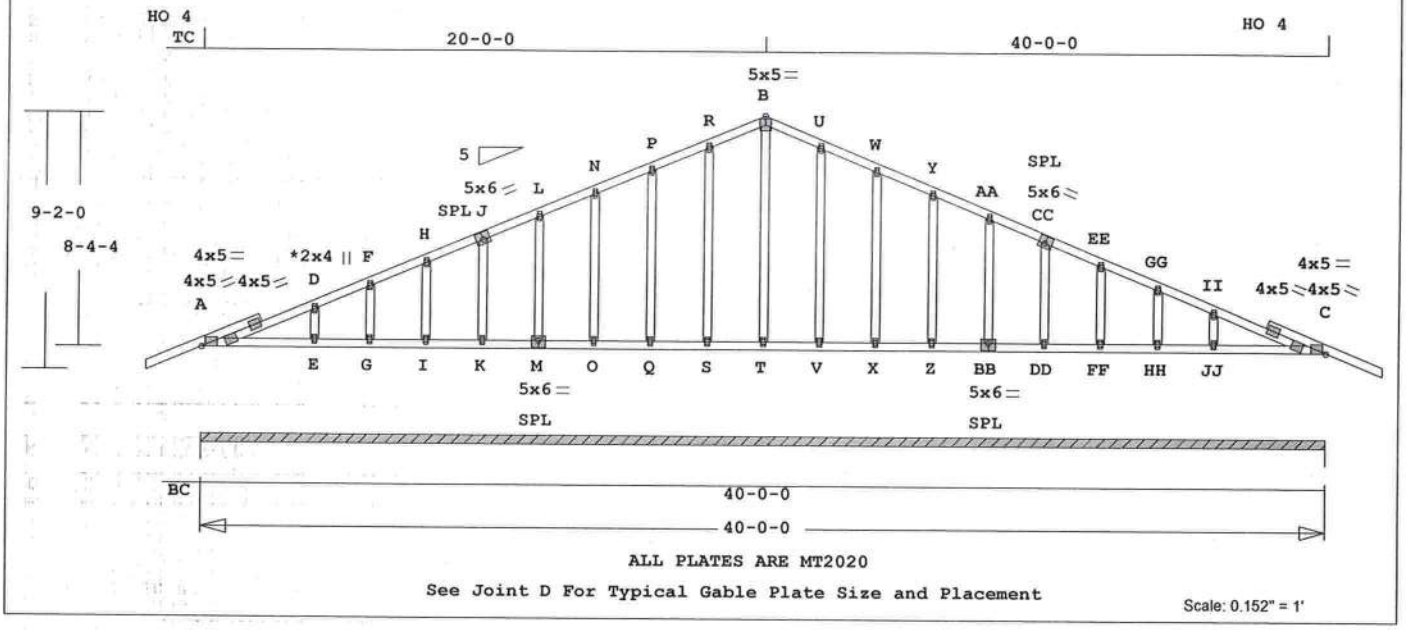
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior 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 3494 Lbs
Max tens. force 3225 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

July 6,2012

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MAYO-FERT-ADD	R2	1	TR	400000	5	0	0	T4453384

MAYO FERTILIZER ADDITION



ALL PLATES ARE MT2020

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.152" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 308.8 LBS

Online Plus -- Version 30.0.011
RUN DATE: 06-JUL-12

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON

	CSI	-Size-	----Lumber----
TC	0.09	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
GW	0.14	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	72.0"	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 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		113 R

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

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	0.09	116 C	0.00 0.09
D -F	0.09	110 C	0.00 0.09
F -H	0.04	100 C	0.00 0.04
H -J	0.04	96 C	0.00 0.04
J -L	0.03	91 C	0.00 0.03
L -N	0.03	86 T	0.00 0.03
N -P	0.04	119 T	0.00 0.04
P -R	0.04	153 T	0.00 0.04
R -B	0.04	183 T	0.03 0.01
B -U	0.04	183 T	0.03 0.01
U -W	0.04	153 T	0.00 0.04
W -Y	0.04	119 T	0.00 0.04
Y -AA	0.03	86 T	0.00 0.03
AA-CC	0.03	91 C	0.00 0.03
CC-EE	0.04	96 C	0.00 0.04
EE-GG	0.04	100 C	0.00 0.04
GG-II	0.09	110 C	0.00 0.09
II-C	0.09	116 C	0.00 0.09

Bottom Chords			
A -E	0.09	13 T	0.00 0.09
E -G	0.06	0 T	0.00 0.06
G -I	0.02	0 T	0.00 0.02
I -K	0.02	0 T	0.00 0.02
K -M	0.02	0 T	0.00 0.02
M -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 -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-HH	0.02	0 T	0.00 0.02
HH-JJ	0.06	0 T	0.00 0.06
JJ-C	0.09	13 T	0.00 0.09
Gable Webs			
E -D	0.02	191 C	
G -F	0.01	99 C	
I -H	0.02	123 C	
K -J	0.04	119 C	
M -L	0.06	120 C	
O -N	0.08	119 C	
Q -P	0.11	120 C	
S -R	0.14	121 C	
T -B	0.09	69 C	
V -U	0.14	121 C	
X -W	0.11	120 C	
Z -Y	0.08	119 C	
BB-AA	0.06	120 C	
DD-CC	0.04	119 C	
FF-EE	0.02	123 C	
HH-GG	0.01	99 C	
JJ-II	0.02	191 C	

TL Defl -0.01" in A -E L/999
LL Defl 0.00" in A -E L/999
Shear // Grain in A -D 0.13

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		0.42
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	5.0x 6.0	-0.2	0.5	0.38
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
N	MT20	2.0x 4.0	Ctr	Ctr	0.00
P	MT20	2.0x 4.0	Ctr	Ctr	0.00
R	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	5.0x 5.0	Ctr	Ctr	0.35
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
Y	MT20	2.0x 4.0	Ctr	Ctr	0.00
AA	MT20	2.0x 4.0	Ctr	Ctr	0.00
CC	MT20	5.0x 6.0	0.2	0.5	0.38
EE	MT20	2.0x 4.0	Ctr	Ctr	0.00
GG	MT20	2.0x 4.0	Ctr	Ctr	0.00
II	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	4.0x 5.0	Ctr-0.3		0.42
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	5.0x 6.0	Ctr-0.5		0.39
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
T	MT20	2.0x 4.0	Ctr	Ctr	0.00
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	2.0x 4.0	Ctr	Ctr	0.00
Z	MT20	2.0x 4.0	Ctr	Ctr	0.00
BB	MT20	5.0x 6.0	Ctr-0.5		0.39
DD	MT20	2.0x 4.0	Ctr	Ctr	0.00
FF	MT20	2.0x 4.0	Ctr	Ctr	0.00
HH	MT20	2.0x 4.0	Ctr	Ctr	0.00
JJ	MT20	2.0x 4.0	Ctr	Ctr	0.00

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

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

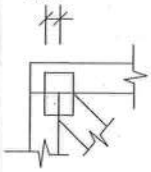
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Truss designed for wind loads in the plane of the truss 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 191 Lbs
Max tens. force 183 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

July 6,2012

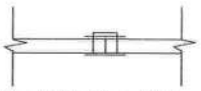
ONLINE PLUS GENERAL NOTES & SYMBOLS

PLATE LOCATION



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

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



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

LATERAL BRACING

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

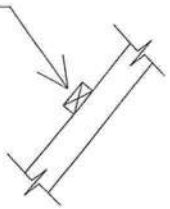
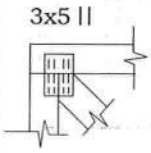


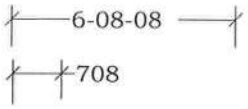
PLATE SIZE AND ORIENTATION

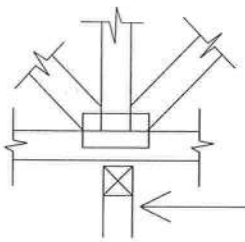


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

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





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

BEARING

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

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

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

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

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