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: 120571 -

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

Site Information:
Customer Info: Farchione, Mary Project Name: Farchione Res Model: -
Lot/Block: - Subdivision: -
Address: 340 SW Boston Terr
City: Fort White State: FL

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 30.0.014
Wind Code: ASCE 7-10 Wind Speed: 125 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	T4515967	R1	8/30/012
2	T4515968	R2	8/30/012

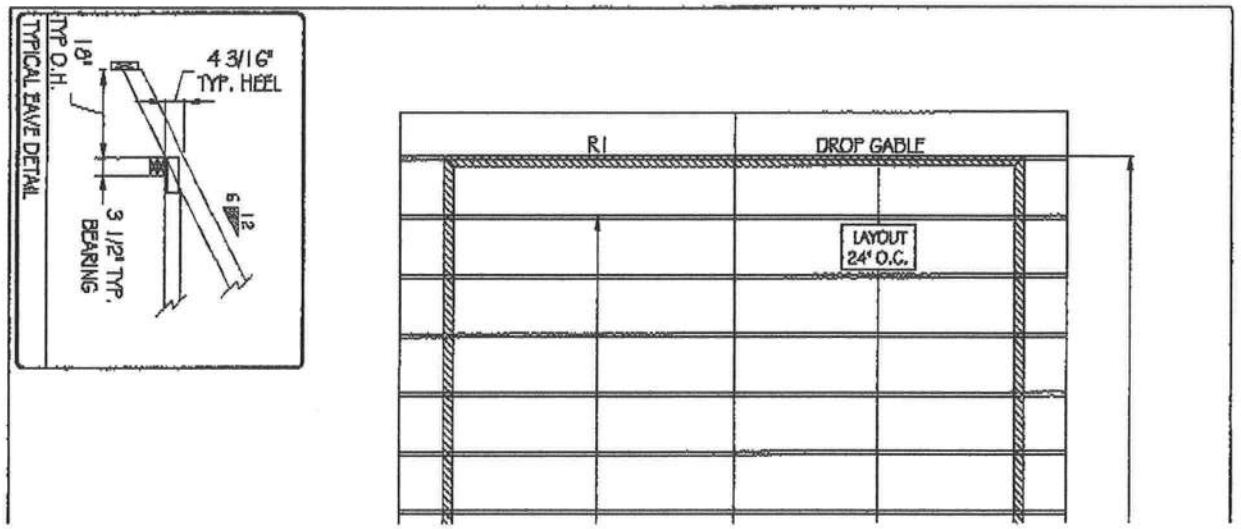
The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Ridgway Roof Trusses.

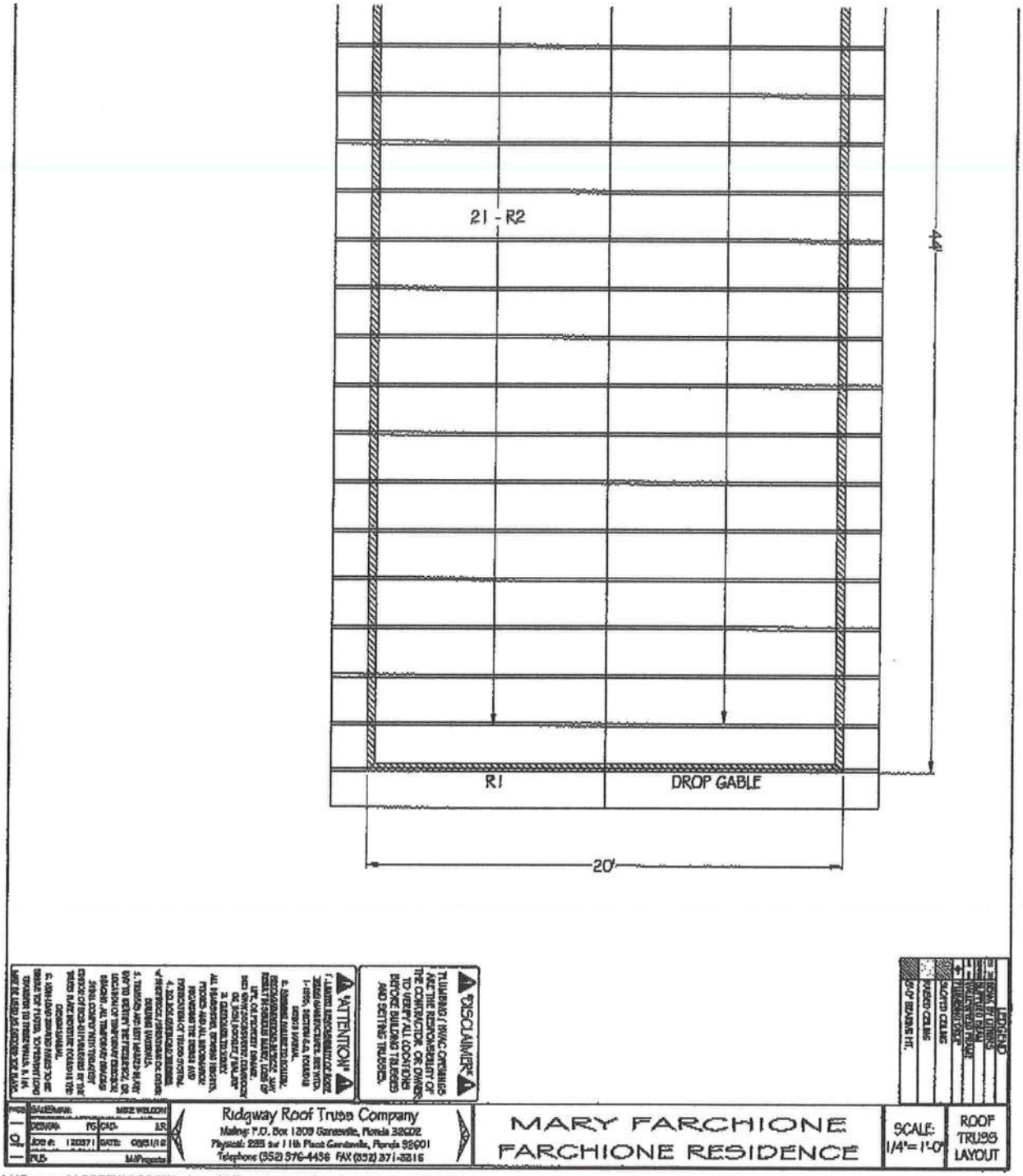
Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2013.

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

August 30,2012


TYPICAL EAVE DETAIL
TYP O.H.
18"
4 3/16"
TYP. HEEL
6 12
3 1/2" TYP.
BEARING
R1
DROP GABLE
LAYOUT
24" O.C.

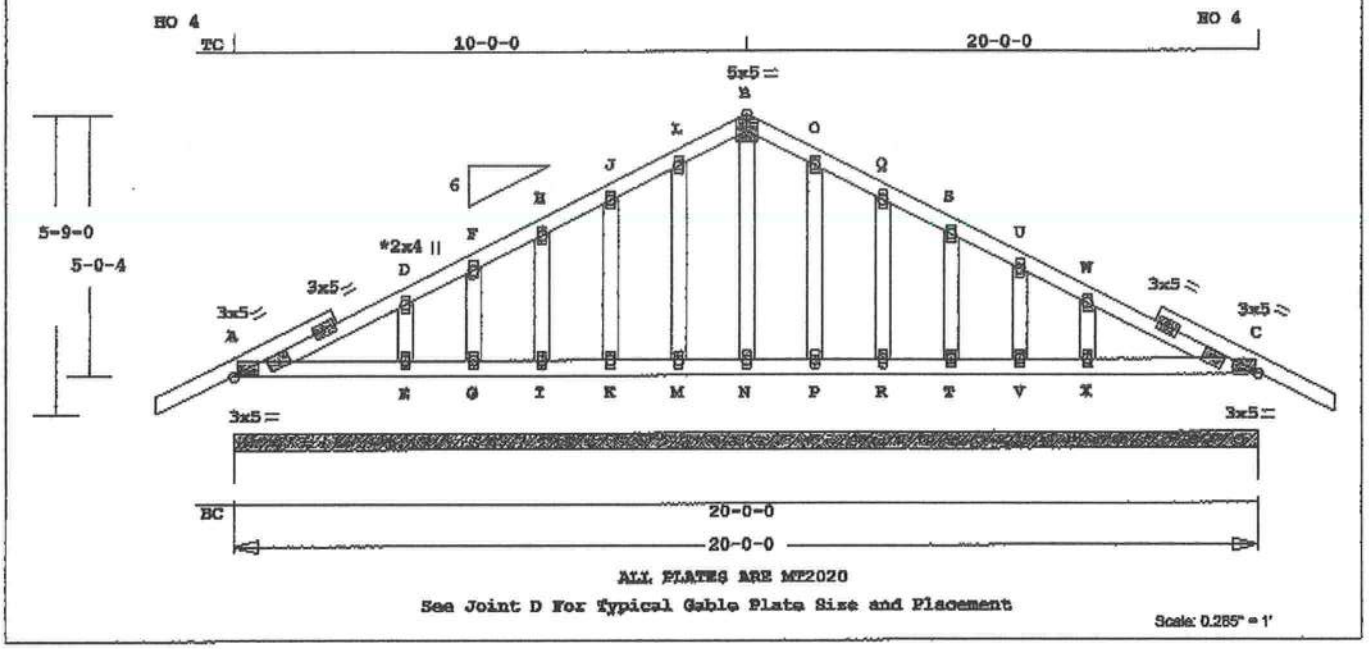


M:\Projects\120571\120571.dwg, 05/31/12 4:51:34 PM, Tabloid, 1:48, Mike

120571-eng.PDF (530 KB)

Please note the Post Office where our box was located has closed. Please change your records to our physical address for all correspondence or shipping.

Farchione



ALL PLATES ARE MT20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.285" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 147.6 LBS

Online Plus ~~ Version 30.0.014
RUN DATE: 30-AUG-12

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

	CSI	Size	Lumber
TC	0.04	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
OW	0.03	2x 4	SP-#3

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 0- 0
or	48.0"	0- 0- 0	20- 0- 0
BC	Cont.	0- 0- 0	20- 0- 0
or	120.0"	0- 0- 0	20- 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	1508	205 U	71 R

Jt	Brg Size	Required
A	240.0"	0"-to- 240"

Plus 21 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 -D	0.04	97 C	0.00 0.04
D -F	0.04	55 C	0.00 0.04
F -H	0.01	28 C	0.00 0.01
H -J	0.01	40 T	0.00 0.01
J -L	0.01	70 T	0.00 0.01
L -B	0.02	96 T	0.01 0.01
B -O	0.02	96 T	0.01 0.01
O -Q	0.01	70 T	0.00 0.01
Q -S	0.01	40 T	0.00 0.01
S -U	0.01	28 C	0.00 0.01
U -W	0.04	55 C	0.00 0.04
W -C	0.04	97 C	0.00 0.04
Bottom Chords			
A -E	0.02	0 T	0.00 0.02
E -G	0.02	0 T	0.00 0.02
G -I	0.01	0 T	0.00 0.01
I -K	0.01	0 T	0.00 0.01
K -M	0.01	0 T	0.00 0.01
M -N	0.01	0 T	0.00 0.01
N -P	0.01	0 T	0.00 0.01
P -R	0.01	0 T	0.00 0.01
R -T	0.01	0 T	0.00 0.01
T -V	0.01	0 T	0.00 0.01
V -X	0.02	0 T	0.00 0.02
X -C	0.02	0 T	0.00 0.02
Gable Webs			
E -D	0.03	119 C	
G -F	0.01	69 C	
I -H	0.02	80 C	
K -J	0.02	80 C	
M -L	0.03	84 T	
N -B	0.03	62 C	
P -O	0.03	84 T	
R -Q	0.02	80 C	
T -S	0.02	80 C	
V -U	0.01	69 C	
X -W	0.03	119 C	

TL Defl 0.00" in X -C L/999
LL Defl 0.00" in X -C 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
Plate - MT18 18 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 5.0	Ctr	Ctr	0.47
D	MT20	2.0x 4.0	Ctr	Ctr	0.00
F	MT20	2.0x 4.0	Ctr	Ctr	0.00
H	MT20	2.0x 4.0	Ctr	Ctr	0.00
J	MT20	2.0x 4.0	Ctr	Ctr	0.00
L	MT20	2.0x 4.0	Ctr	Ctr	0.00
B	MT20	5.0x 5.0	Ctr	Ctr	0.34
O	MT20	2.0x 4.0	Ctr	Ctr	0.00
Q	MT20	2.0x 4.0	Ctr	Ctr	0.00
S	MT20	2.0x 4.0	Ctr	Ctr	0.00
U	MT20	2.0x 4.0	Ctr	Ctr	0.00
W	MT20	2.0x 4.0	Ctr	Ctr	0.00
C	MT20	3.0x 5.0	Ctr	Ctr	0.47
E	MT20	2.0x 4.0	Ctr	Ctr	0.00
G	MT20	2.0x 4.0	Ctr	Ctr	0.00
I	MT20	2.0x 4.0	Ctr	Ctr	0.00
K	MT20	2.0x 4.0	Ctr	Ctr	0.00
M	MT20	2.0x 4.0	Ctr	Ctr	0.00
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
T	MT20	2.0x 4.0	Ctr	Ctr	0.00
V	MT20	2.0x 4.0	Ctr	Ctr	0.00
X	MT20	3.0x 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:
RIDGWAY ROOF TRUSS
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: 125 mph
Risk Category : II
Mean Roof Height: 25-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 6.0 psf
BC Dead Load: 6.0 psf
Max comp. force 119 lbs
Max tens. force 102 lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

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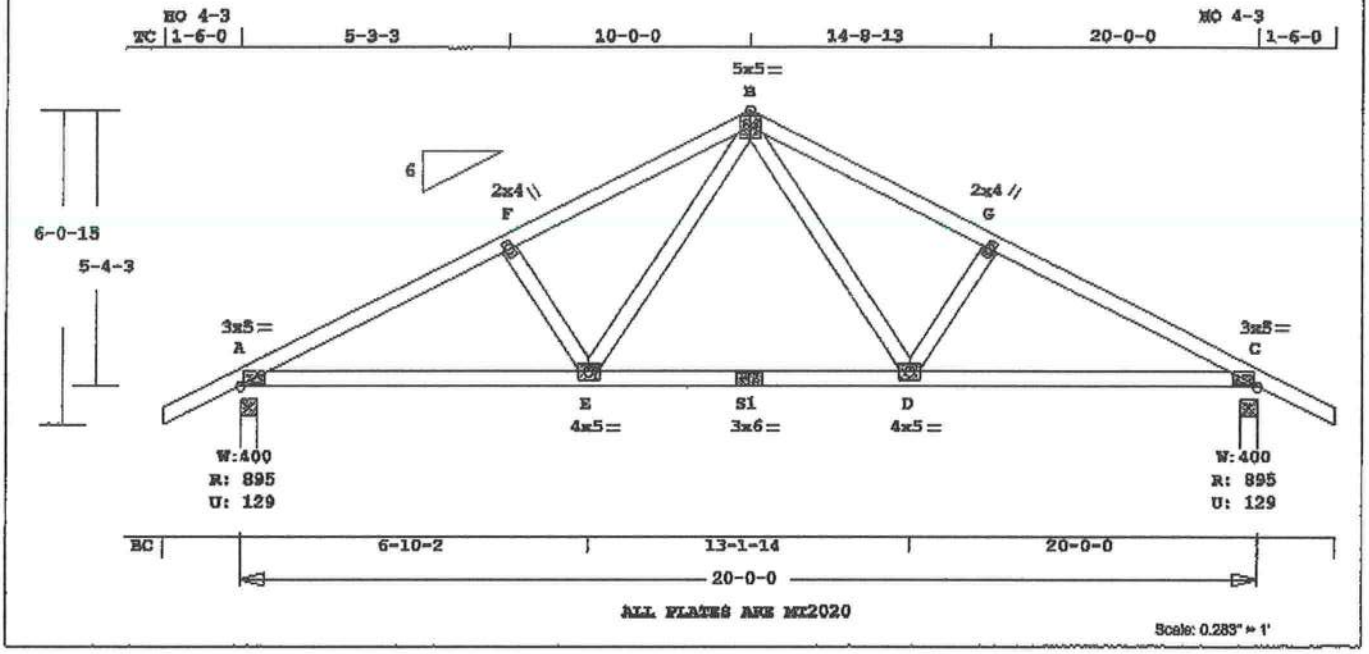
August 30,2012

Farchione



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 119.2 LBS

Online Plus -- Version 30.0.014
RUN DATE: 30-AUG-12

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

	CSI	-Size-	----Lumber----
TC	0.25	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.17	2x 4	SP-#3

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 0- 0
or	48.0"	0- 0- 0	20- 0- 0
BC	Cont.	0- 0- 0	20- 0- 0
or	120.0"	0- 0- 0	20- 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	896	130 U	75 R
C	896	130 U	75 R

Jt	Brg Size	Required
A	4.0"	1.5"
C	4.0"	1.5"

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

Membr	CSI	F Lbs	Axl-CSI-End
Top Chords			
A -F	0.25	1284 C	0.02 0.23
F -B	0.25	1131 C	0.02 0.23
B -G	0.25	1131 C	0.02 0.23
G -C	0.25	1284 C	0.02 0.23
Bottom Chords			
A -E	0.39	1154 T	0.24 0.15
E -S1	0.33	765 T	0.09 0.24
S1-D	0.33	765 T	0.09 0.24
D -C	0.39	1154 T	0.24 0.15
Webs			
F -E	0.08	275 C	
E -B	0.17	439 T	
B -D	0.17	439 T	
D -G	0.08	275 C	

TL Defl -0.13" in E -D L/999
LL Defl -0.05" in A -E L/999
Shear // Grain in A -F 0.18

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 5.0	Ctr	Ctr	0.57
F	MT20	2.0x 4.0	Ctr	Ctr	0.30
B	MT20	5.0x 5.0	Ctr	Ctr	0.42
G	MT20	2.0x 4.0	Ctr	Ctr	0.30
C	MT20	3.0x 5.0	Ctr	Ctr	0.57
E	MT20	4.0x 5.0	Ctr	Ctr	0.23
S1	MT20	3.0x 6.0	Ctr	Ctr	0.39
D	MT20	4.0x 5.0	Ctr	Ctr	0.23

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:
RIDGWAY ROOF TRUSS
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: 125 mph
Risk Category : II
Mean Roof Height: 25-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 6.0 psf
BC Dead Load: 6.0 psf
Max comp. force 1284 Lbs
Max tens. force 1154 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

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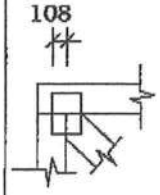
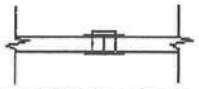
August 30,2012

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.

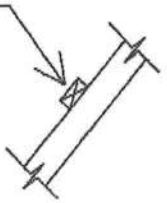
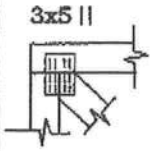


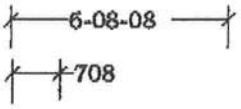
PLATE SIZE AND ORIENTATION

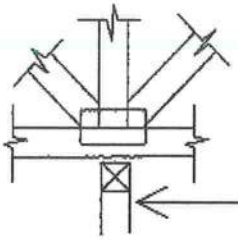


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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