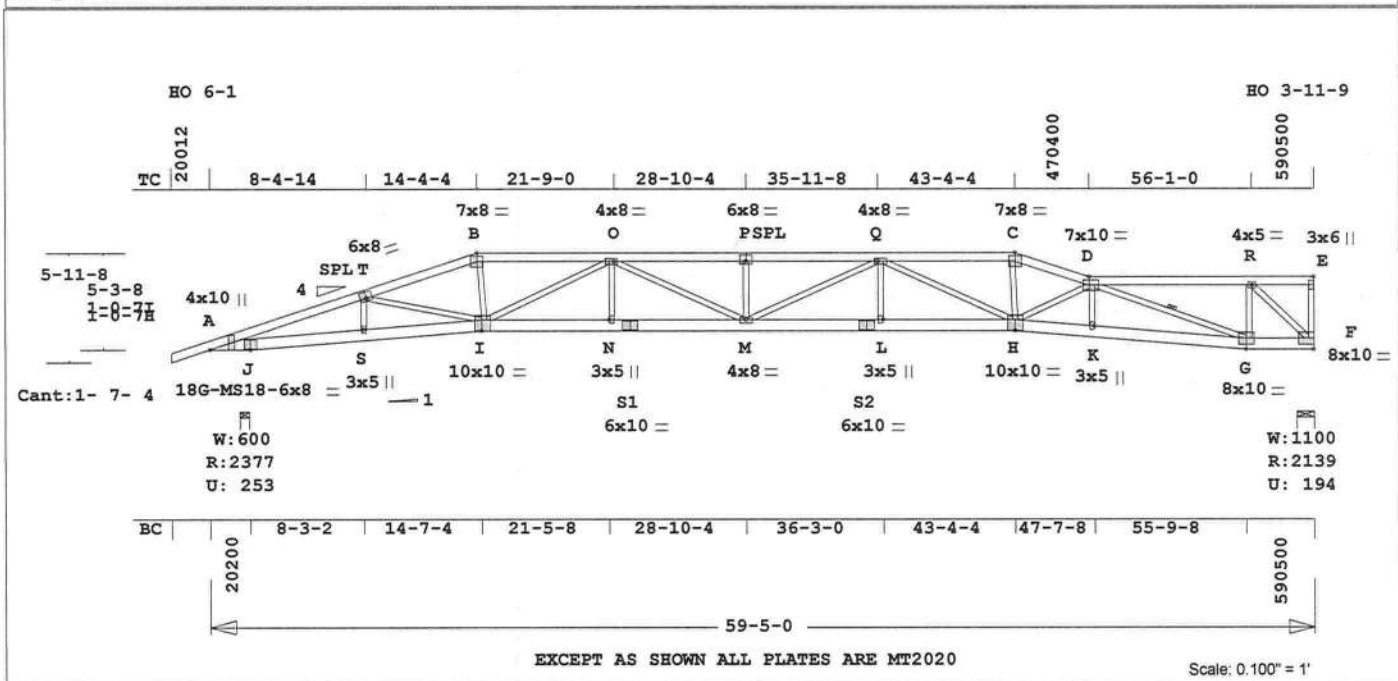


Job 130310	Mark R34	Quan 1*2P	Type SP	Span 590500	P1-H1 4	Left OH 2- 0-12	Right OH 0	Engineering T4849165
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Campus USA Credit Union



EXCEPT AS SHOWN ALL PLATES ARE MT2020

Scale: 0.100\" = 1'

Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

* 2-Ply Truss *

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.45 2x 6 SP-#2
BC 0.27 2x 8 SP-2400f-2.0E
WB 0.80 2x 4 SP-#2
-- 0.53 2x 4 SP-#3
S -T T -I B -I I -O
N -O O -M M -P M -Q
L -Q Q -H C -H H -D
K -D G -R R -F F -E

Brace truss as follows:
O.C. From To
TC Cont. 0-0-0 59-5-0
or 48.0\" 0-0-0 59-5-0
BC Cont. 0-0-0 59-5-0
or 120.0\" 0-0-0 59-5-0
Continuous Lateral Restraint
req'd at mid-point of webs:
D -G
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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
J 2377 254 U 48 R
F 2140 195 U 117 R

Jt Brg Size Required
J 6.0\" 1.5\"
F 11.0\" 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 -T 0.45 5357 C 0.14 0.31
T -B 0.16 6000 C 0.03 0.13

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 553.4 LBS																															
B -O	0.12	5756	C	0.03	0.09	S MT20	3.0x	5.0	Ctr	Ctr	0.09																				
O -P	0.14	8172	C	0.11	0.03	I MT20	10.0x	10.0	0.5-2.2	0.44																					
P -Q	0.14	8172	C	0.11	0.03	N MT20	3.0x	5.0	Ctr	Ctr	0.10																				
Q -C	0.16	6559	C	0.04	0.12	S1 MT20	6.0x	10.0	Ctr	Ctr	0.73																				
C -D	0.13	7008	C	0.03	0.10	M MT20	4.0x	8.0	Ctr-0.5	0.26																					
D -R	0.20	2343	C	0.00	0.20	S2 MT20	6.0x	10.0	Ctr	Ctr	0.77																				
R -E	0.19	45	T	0.00	0.19	L MT20	3.0x	5.0	Ctr	Ctr	0.10																				
-----Bottom Chords-----																															
A -J	0.27	5030	T	0.08	0.19	H MT20	10.0x	10.0	Ctr-2.2	0.44																					
J -S	0.26	5010	T	0.08	0.18	K MT20	3.0x	5.0	Ctr	Ctr	0.09																				
S -I	0.20	5062	T	0.08	0.12	G MT20	8.0x	10.0	Ctr	Ctr	0.60																				
I -N	0.13	7469	T	0.12	0.01	F MT20	8.0x	10.0	-1.5	Ctr	0.20																				
N -S1	0.15	7469	T	0.12	0.03	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 2 COMPLETE TRUSSES REQUIRED. Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.) -----Spacing (In)-----<table><thead><tr><th></th><th>Rows</th><th>Nails</th><th>Screws</th><th>Bolts</th></tr></thead><tbody><tr><td>D -G</td><td>2</td><td>12</td><td>24</td><td>0</td></tr><tr><td>G -R</td><td>2</td><td>12</td><td>24</td><td>0</td></tr><tr><td>R -F</td><td>1</td><td>8</td><td>8</td><td></td></tr></tbody></table> Web Connection Exception --							Rows	Nails	Screws	Bolts	D -G	2	12	24	0	G -R	2	12	24	0	R -F	1	8	8	
	Rows	Nails	Screws	Bolts																											
D -G	2	12	24	0																											
G -R	2	12	24	0																											
R -F	1	8	8																												
S1 -M	0.15	7469	T	0.12	0.03																										
M -S2	0.16	7956	T	0.13	0.03																										
S2 -L	0.13	7956	T	0.13	0.00																										
L -R	0.15	7956	T	0.13	0.02																										
R -K	0.20	7386	T	0.12	0.08																										
K -G	0.21	7361	T	0.12	0.09																										
G -F	0.09	2269	T	0.03	0.06																										
-----Webs-----																															
S -T	0.06	504	C																												
T -I	0.14	705	T																												
B -I	0.30	1493	T																												
I -O	0.53	1939	C																												
N -O	0.04	272	T																												
O -M	0.16	790	T																												
M -P	0.04	360	C																												
M -Q	0.04	251	T																												
L -Q	0.05	309	T																												
Q -H	0.46	1570	C																												
C -H	0.40	1970	T																												
H -D	0.11	794	C																												
K -D	0.02	197	C																												
D -G	0.80	5359	C	1 Br																											
G -R	0.35	1746	T																												
R -F	0.48	3258	C																												
F -E	0.03	70	T	WindLd																											

TL Defl -1.05\" in M -L L/645
LL Defl -0.46\" in M -L L/999
Hx Disp LL DL TL
Jt F 0.11\" 0.14\" 0.25\"
Shear // Grain in J -S 0.14

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 4.0x10.0 3.3 1.2 0.77
T MT20 6.0x 8.0-0.4 1.2 0.42
B MT20 7.0x 8.0 Ctr Ctr 0.52
O MT20 4.0x 8.0 Ctr Ctr 0.44
P MT20 6.0x 8.0 Ctr 1.2 0.43
Q MT20 4.0x 8.0 Ctr Ctr 0.36
C MT20 7.0x 8.0 Ctr Ctr 0.52
D MT20 7.0x10.0 1.0 Ctr 0.96
R MT20 4.0x 5.0 Ctr Ctr 0.60
E MT20 3.0x 6.0 Ctr Ctr 0.10
J MS18 6.0x 8.0 Ctr Ctr 0.72

Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 8172 Lbs
Max tens. force 7956 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.

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610
REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

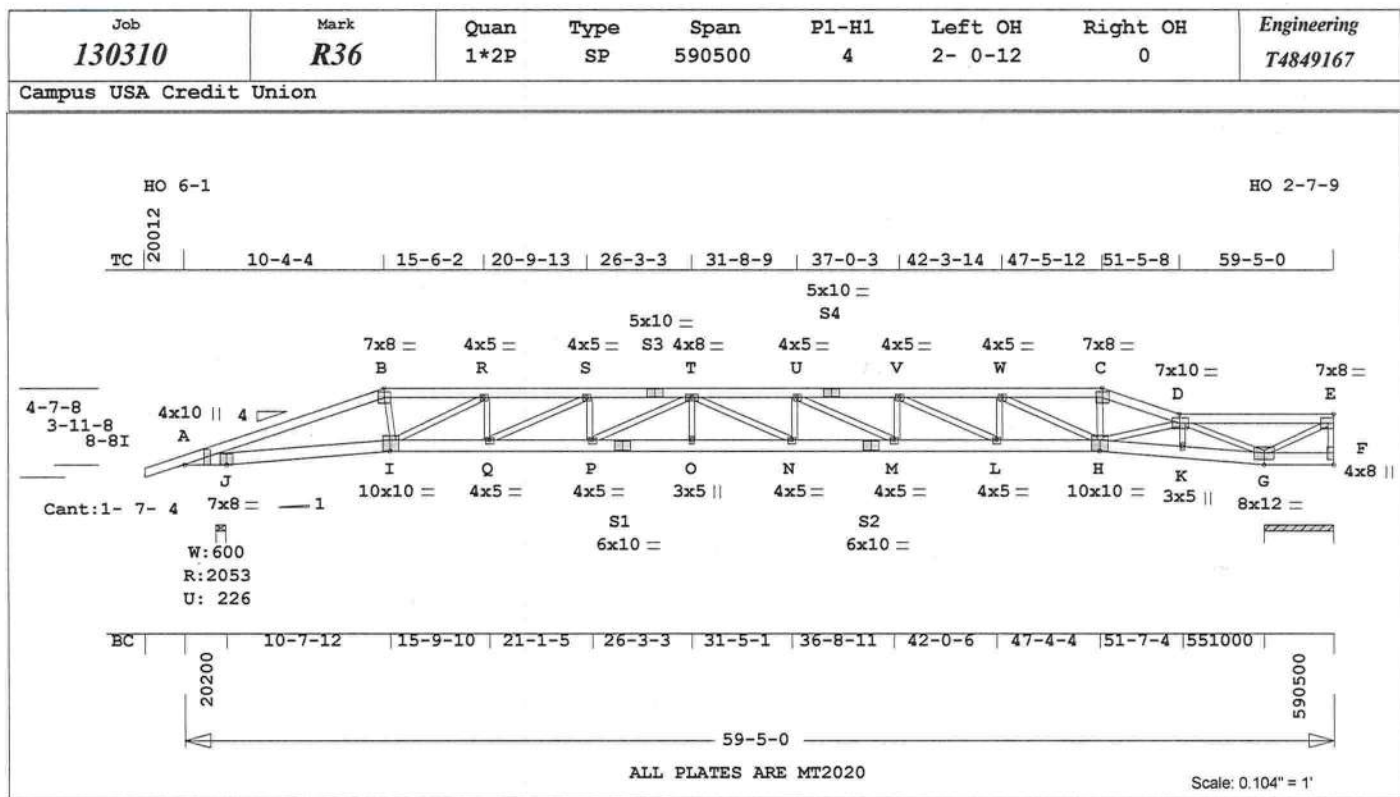
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2010
TPI 2007
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
pattern. (1/2\" bolts -OR-
SDS3 screws -OR- 10d nails
as each layer is applied.)
-----Spacing (In)-----
Rows Nails Screws Bolts
TC 2 12 24 0
BC 2 12 24 0
WB 1 8 8
Web Connection Exception --
Space screws or nails for the
following webs--
I -O @ 4\" o.c.
Q -H @ 4\" o.c.
D -G @ 4\" o.c.

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: 130 mph
Risk Category : II
Mean Roof Height: 16-0



FL Cert. 6634

May 24, 2013



Online Plus -- Version 30.0.023
 RUN DATE: 23-MAY-13

 * 2-Ply Truss *

Southern Pine Lumber design
 values are those effective
 06-01-12 by SPIB//ALSC UON
 CSI -Size- Lumber-----
 TC 0.69 2x 6 SP-#2
 BC 0.23 2x 8 SP-2400f-2.0E
 WB 0.73 2x 4 SP-#3

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 59- 5- 0
 or 48.0" 0- 0- 0 59- 5- 0
 BC Cont. 0- 0- 0 59- 5- 0
 or 120.0" 0- 0- 0 59- 5- 0

psf-Ld Dead Live
 TC 7.0 20.0
 BC 10.0 0.0
 TC+BC 17.0 20.0
 Total 37.0 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-
 J 2054 226 U 36 R
 G 2463 222 U 77 R

Jt Brg Size Required
 J 6.0" 1.5"
 G 43.0" 670"-to- 713"

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 -B	0.69	4703 C	0.29	0.40
B -R	0.07	4504 C	0.05	0.02
R -S	0.11	6579 C	0.09	0.02
S -S3	0.11	7636 C	0.10	0.01
S3 -T	0.11	7636 C	0.10	0.01
T -U	0.11	7608 C	0.10	0.01
U -S4	0.09	6460 C	0.03	0.06
S4 -V	0.09	6460 C	0.03	0.06
V -W	0.07	4586 C	0.06	0.01
W -C	0.07	1822 C	0.00	0.07
C -D	0.27	1992 C	0.00	0.27
D -E	0.58	4462 T	0.27	0.31
-----Bottom Chords-----				

MITek® Online Plus™ APPROX. TRUSS WEIGHT: 535.2 LBS

A -J	0.23	4434 T	0.07	0.16
J -I	0.23	4426 T	0.07	0.16
I -Q	0.20	6579 T	0.11	0.09
Q -P	0.16	7636 T	0.13	0.03
P -S1	0.16	8048 T	0.13	0.03
S1 -O	0.16	8048 T	0.13	0.03
O -N	0.16	8048 T	0.13	0.03
N -S2	0.16	7608 T	0.13	0.03
S2 -M	0.16	7608 T	0.13	0.03
M -L	0.13	6460 T	0.11	0.02
L -H	0.10	4586 T	0.07	0.03
H -K	0.04	1183 C	0.00	0.04
K -G	0.20	1222 C	0.00	0.20
G -F	0.20	31 T	0.00	0.20
-----Webs-----				
B -I	0.24	1204 T		
I -R	0.40	2360 C		
Q -R	0.16	821 T		
Q -S	0.22	1188 C		
P -S	0.05	328 T		
P -T	0.08	462 C		
O -T	0.03	234 T		
T -N	0.09	494 C		
N -U	0.06	364 T		
U -M	0.23	1290 C		
M -V	0.13	684 T		
V -L	0.39	2105 C		
L -W	0.22	1121 T		
W -H	0.56	3121 C		
C -H	0.12	598 T		
H -D	0.63	3110 T		
K -D	0.05	427 C		
D -G	0.54	3587 C		
G -E	0.73	5228 C		
F -E	0.49	2431 T	WindLd	

TL Defl -1.00" in O -N L/642
 LL Defl -0.44" in O -N L/999
 Hz Disp LL DL TL
 Jt F 0.06" 0.10" 0.19"
 Shear // Grain in G -F 0.17

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 4.0x10.0 3.3 1.2 0.68
 B MT20 7.0x 8.0 Ctr Ctr 0.52
 R MT20 4.0x 5.0 Ctr Ctr 0.48
 S MT20 4.0x 5.0 Ctr Ctr 0.24
 S3 MT20 5.0x10.0 Ctr Ctr 0.36
 T MT20 4.0x 8.0 Ctr Ctr 0.11
 U MT20 4.0x 5.0 Ctr Ctr 0.26
 S4 MT20 5.0x10.0 Ctr Ctr 0.36
 V MT20 4.0x 5.0 Ctr Ctr 0.43
 W MT20 4.0x 5.0 Ctr Ctr 0.64
 C MT20 7.0x 8.0 Ctr Ctr 0.52
 D MT20 7.0x10.0 0.5 Ctr 0.82
 E MT20 7.0x 8.0-0.5 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.

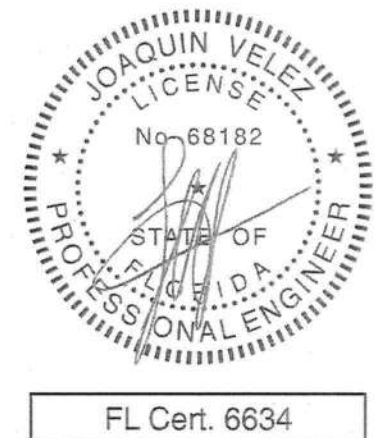
NOTES:
 Trusses Manufactured by:
 RIDGWAY ROOF TRUSS
 Analysis Conforms To:
 FBC2010
 TPI 2007
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)

-----Spacing (In)-----

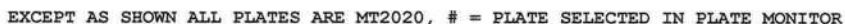
Rows	Nails	Screws	Bolts
TC 2	12	24	0
BC 2	12	24	0
WB 1	8	8	

Web Connection Exception --
 Space screws or nails for the
 following webs--
 W-H @ 4" o.c.
 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: 130 mph

Risk Category : II
 Mean Roof Height: 16-0
 Exposure Category: B
 Building Type: Enclosed
 TC Dead Load: 4.0 psf
 BC Dead Load: 6.0 psf
 Max comp. force 7636 Lbs
 Max tens. force 8048 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.



Campus USA Credit Union	
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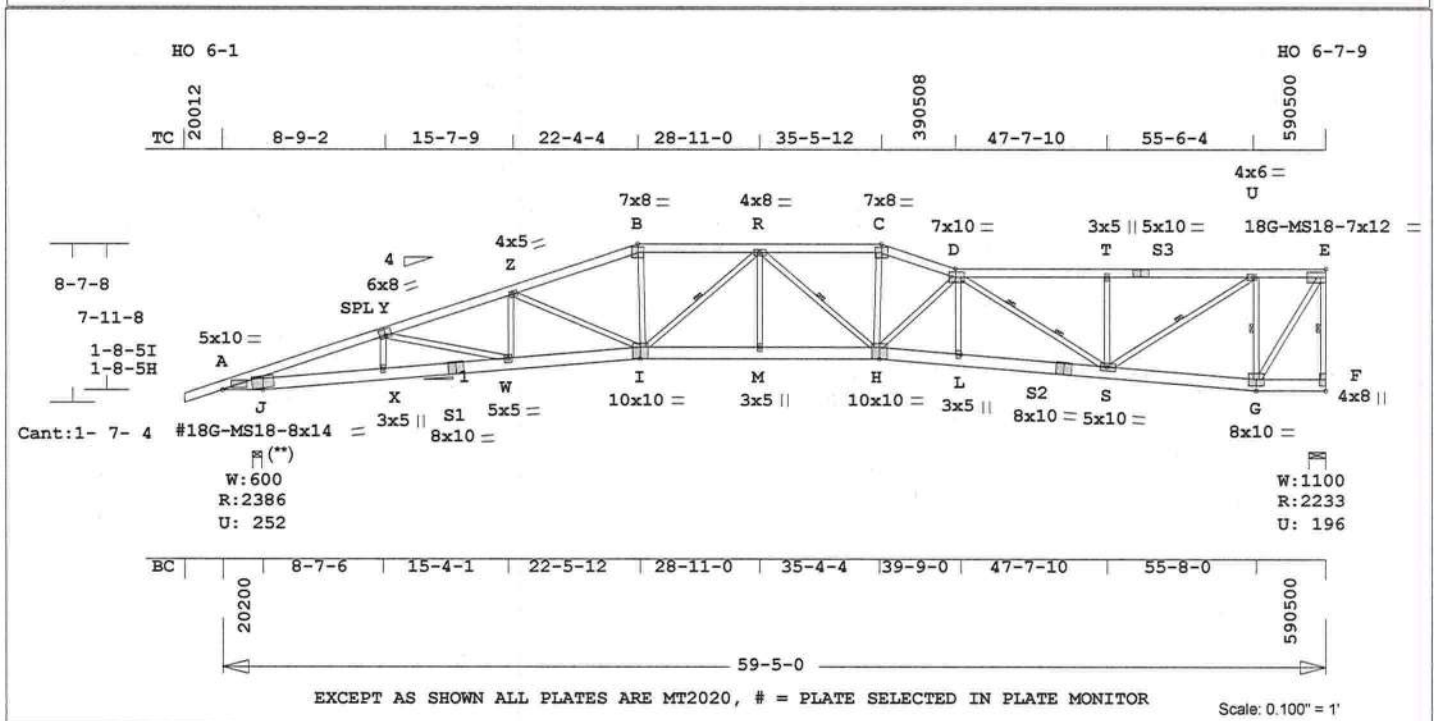


Scale: 0.100" = 1'

May 24, 2013

Job 1304042CPB	Mark R30	Quan 1	Type SP	Span 590500	Pl-H1 4	Left OH 2- 0-12	Right OH 0	Engineering T4849171
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Campus USA Credit Union



Online Plus -- Version 30.0.023
RUN DATE: 24-MAY-13

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

CSI -Size- Lumber-
TC 0.59 2x 6 SP-2400F-2.0E
-- 0.45 2x 6 SP-#2
Y -B B -C C -D D -S3
S3-E
BC 0.53 2x 8 SP-2400F-2.0E
WB 0.95 2x 4 SP-#3
-- 0.83 2x 4 SP-#2
D -S S -U G -E
WG --- 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 59- 5- 0
or 30.0" 0- 0- 0 59- 5- 0
BC Cont. 0- 0- 0 59- 5- 0
or 102.0" 0- 0- 0 59- 5- 0

Continuous Lateral Restraint
req'd at mid-point of webs:
I -R R -H S -U G -U
F -E

Continuous Lateral Restraints
req'd at third-points of webs
D -S

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

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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-
J 2387 252 U 71 R
F 2234 196 U 197 R

Jt Brg Size Required
J 6.0" 6.7" **
F 11.0" 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)

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 597.7 LBS

Membr	CSI	P Lbs	Ax1-CSI-Bnd
Top Chords			
A -Y	0.59	5531 C	0.22 0.37
Y -Z	0.45	5942 C	0.13 0.32
Z -B	0.27	5239 C	0.16 0.11
B -R	0.24	4963 C	0.10 0.14
R -C	0.26	5243 C	0.10 0.16
C -D	0.20	5522 C	0.16 0.04
D -T	0.30	3801 C	0.07 0.23
T -S3	0.27	3801 C	0.04 0.23
S3 -U	0.19	3801 C	0.05 0.14
U -E	0.11	1276 C	0.00 0.11
Bottom Chords			
J -X	0.53	5181 T	0.17 0.36
X -S1	0.39	5223 T	0.18 0.21
S1 -W	0.37	5229 T	0.18 0.19
W -I	0.21	5673 T	0.19 0.02
I -M	0.20	5401 T	0.18 0.02
M -H	0.21	5401 T	0.18 0.03
H -L	0.24	5966 T	0.20 0.04
L -S2	0.26	5962 T	0.20 0.06
S2 -S	0.26	5955 T	0.20 0.06
S -G	0.08	1278 T	0.04 0.04
G -F	0.01	145 T	0.00 0.01
Webs			
X -Y	0.10	401 C	
Y -W	0.19	471 T	
W -Z	0.09	282 T	
Z -I	0.95	764 C	
B -I	0.53	1323 T	
I -R	0.25	587 C	1 Br
M -R	0.08	256 T	
R -H	0.09	237 C	1 Br
H -C	0.59	1458 T	
L -D	0.72	967 C	
D -S	0.83	2546 C	2 Br
S -T	0.29	496 C	
S -U	0.71	3048 T	1 Br
G -U	0.62	2046 C	1 Br
G -E	0.58	2509 T	
F -E	0.67	2218 C	WindLd 1 Br

= 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:
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.

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: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf

Plates for each ply each face.
Plate - MT20 18 Ga, Gross Area
Plate - MT2H 18 Ga, Gross Area
Plate - MS18 18 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 5.0x10.0 Ctr Ctr 0.78
B MT20 2.0x 4.0 Ctr Ctr 0.00
Y MT20 6.0x 8.0-0.4 1.2 0.56
Z MT20 4.0x 5.0 Ctr Ctr 0.27
B MT20 7.0x 8.0 Ctr Ctr 0.54
R MT20 4.0x 8.0 Ctr Ctr 0.24

BC Dead Load: 6.0 psf
Max comp. force 5942 Lbs
Max tens. force 5966 Lbs
Connector Plate Fabrication
Tolerance = 20%
Solid blocking is required on
both sides of the truss at
joint(s) J
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



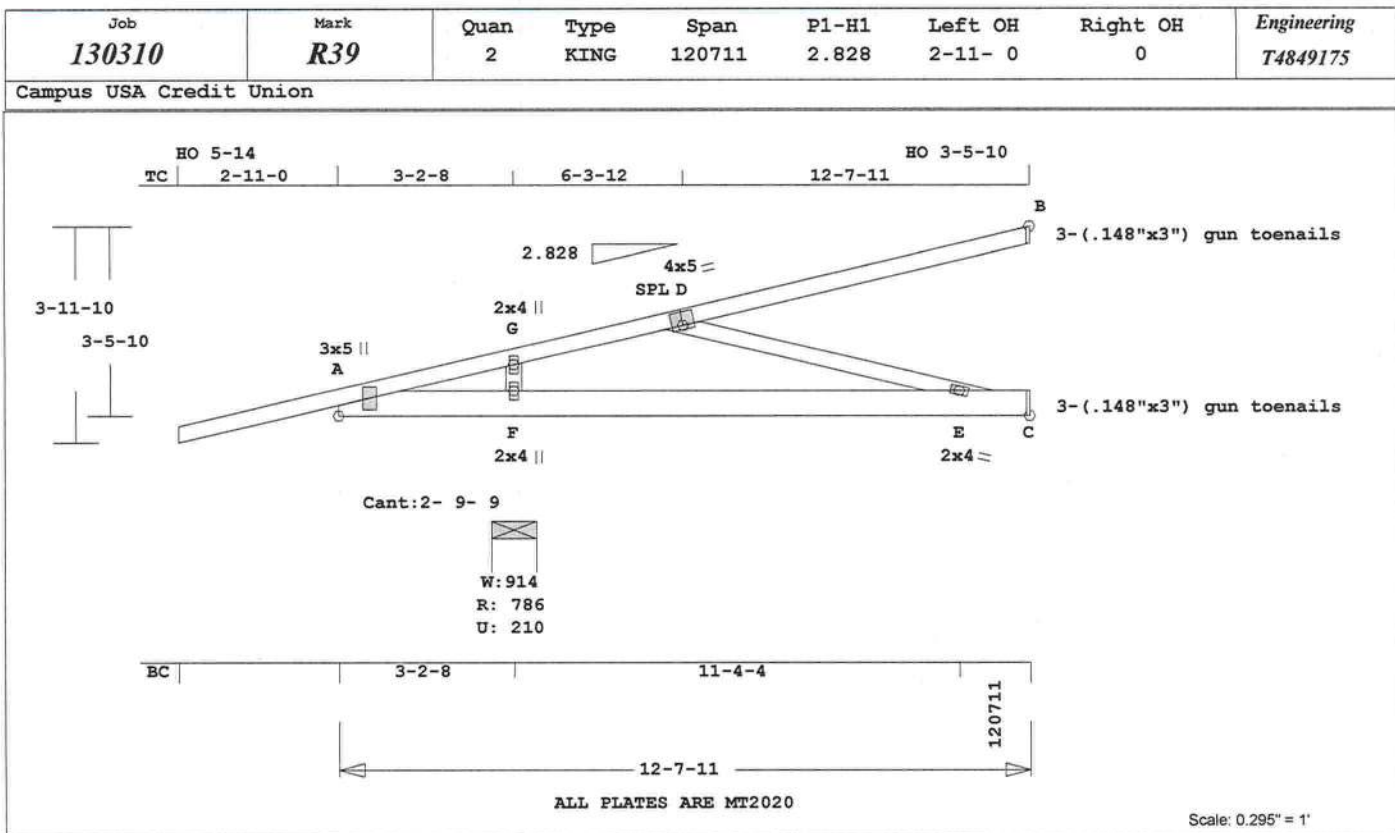
FL Cert. 6634

May 24, 2013

Campus USA Credit Union



Scale: 0.105" = 1'



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.79 2x 4 SP-#1
BC 0.57 2x 6 SP-#2
WB 0.69 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 4- 3
or 48.0" 0- 0- 0 12- 4- 3
BC Cont. 0- 0- 0 12- 4- 3
or 108.0" 0- 0- 0 12- 4- 3

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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-
F 786 210 U 108 R
C 369 12 U 69 R
B 372 159 U

Jt Brg Size Required
F 9.9" 1.5"
C 3.5" 1.5"
B 3.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 14 40 0.0' 12.6'
BC V 20 0 0.0' 12.6'
TC V -14 -40 0.0' 12.6'
BC V -20 0 0.0' 12.6'
30 0 12.6'

Plus 18 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CST-Bnd
-----Top Chords-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 78.6 LBS

A -G 0.63 641 C 0.00 0.63
G -D 0.63 658 C 0.00 0.63
D -B 0.79 97 C 0.00 0.79
-----Bottom Chords-----
A -F 0.57 639 T 0.06 0.51
F -E 0.57 641 T 0.06 0.51
E -C 0.04 69 T 0.00 0.04
-----Webs-----
F -G 0.12 447 C
D -E 0.69 659 C

TL Defl -0.19" in F -C L/565
LL Defl -0.11" in F -C L/958
LL Cant -0.16" in A -F L/208
Shear // Grain in D -B 0.42

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 0.64
G MT20 2.0x 4.0 Ctr Ctr 0.24
D MT20 4.0x 5.0-0.2 1.0 0.40
F MT20 2.0x 4.0 Ctr Ctr 0.28
E MT20 2.0x 4.0 Ctr Ctr 0.39

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:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2010
TPI 2007

Girder King Jack
Loading TC and BC
Setback 7- 0- 0

OH Loading
Soffit psg 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder

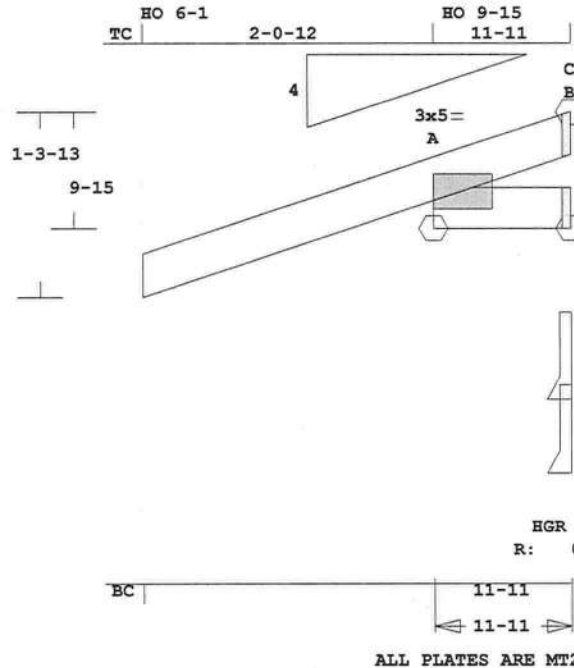
truss.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
3- 2- 8 12- 7-11
Max comp. force 659 Lbs
Max tens. force 641 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
130310	R41	4	JACK1	1111	4	2- 0-12	0	T4849177
Campus USA Credit Union								



HGR
R: 191
U: 49

Provide bearing connection(s) to resist horizontal reaction(s) shown.

HGR
R: 0

Scale: 0.759" = 1'

Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON
CSI -Size- ----Lumber-----
TC 0.15 2x 4 SP-#2
BC 0.07 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 0-11-11
or 11.7" 0- 0- 0 0-11-11
BC Cont. 0- 0- 0 0-11-11
or 11.7" 0- 0- 0 0-11-11

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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-
C 257 R
B 192 49 U 257 R
Jt Brg Size Required
C 3.5" 1.5"
B 3.5" 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-CSt-Bnd
-----Top Chords-----
A-B 0.15 462 C 0.06 0.09
-----Bottom Chords-----
A-C 0.07 422 T 0.07 0.00

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 8.1 LBS

TL Defl 0.00" in E -C L/999
LL Defl 0.00" in E -C L/999
LL Cant 0.00" in A -C L/999
Shear // Grain in A -B 0.13

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 0.8 0.2 0.61

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: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed

TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 462 Lbs
Max tens. force 422 Lbs
Connector Plate Fabrication Tolerance = 20%

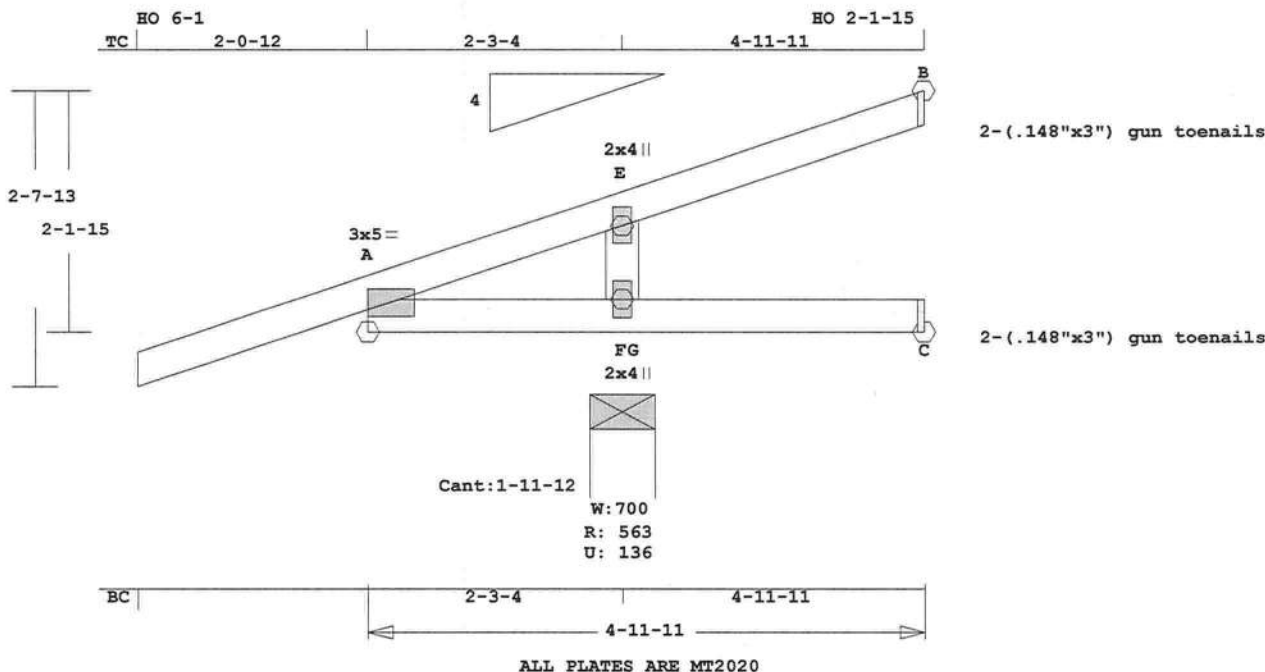
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
130310	R43	4	JACK1	41111	4	2- 0-12	0	T4849179
Campus USA Credit Union								



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.48 2x 4 SP-#2
BC 0.53 2x 4 SP-#2
WB 0.12 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	4- 8- 3
or 48.0"	0- 0- 0	4- 8- 3
BC Cont.	0- 0- 0	4- 8- 3
or 59.7"	0- 0- 0	4- 8- 3

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
Fb	Fc	Ft Emin
TC	1.15	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
F	564	137 U	45 R
C	40	59 G	30 R
B	36	21 G	

G = Gravity Uplift

Jt	Brg Size	Required
F	7.0"	1.5"
C	3.5"	1.5"
B	3.5"	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 -E	0.48	143 C	0.01	0.47
E -B	0.47	30 C	0.00	0.47
-----Bottom Chords-----				

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 24.9 LBS

A -F	0.53	131 T	0.01	0.52
F -C	0.52	29 T	0.00	0.52
-----Webs-----				
F -E	0.12	388 T	WindLd	

TL Defl	0.02"	in F -C	L/999
LL Defl <td>0.01"</td> <td>in F -C</td> <td>L/999</td>	0.01"	in F -C	L/999
LL Cant	-0.11"	in A -F	L/221
Hz Disp	LL	DL	TL
Jt B	0.13"	0.03"	0.10"
Shear // Grain	in F -C	0.22	

Plates for each ply each face.

Plate	MT20	20 Ga,	Gross Area
Plate - MT20	20 Ga, <td>Gross Area</td> <td></td>	Gross Area	
Plate - MS18	18 Ga, <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X Y JSI	
A	MT20	3.0x 5.0	0.8 0.2 0.61
E	MT20	2.0x 4.0	Ctr Ctr 0.22
F	MT20	2.0x 4.0	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.

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

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.

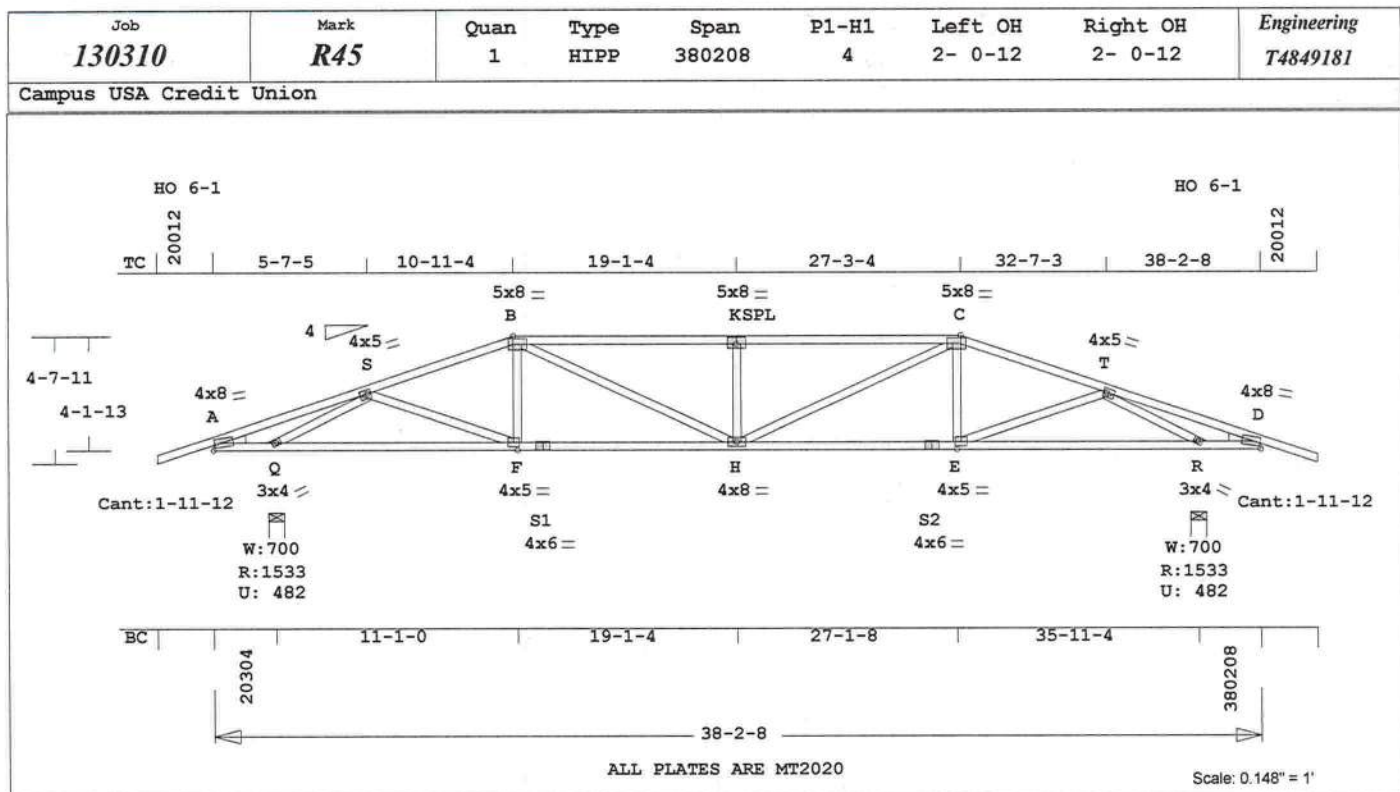
Wind Loads - ANSI / ASCE 7-10
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf

User-defined wind-exposed BC regions --From-- ---To---
2- 3- 4 4-11-11
Max comp. force 325 Lbs
Max tens. force 388 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



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

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

CSI -Size- Lumber-----
TC 0.55 2x 4 SP-#1
-- 0.46 2x 4 SP-#2
A -B C -D
BC 0.68 2x 4 SP-#2
WB 0.99 2x 4 SP-#3
PB --- 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 38- 2- 8	
or 36.0"	0- 0- 0 38- 2- 8	
BC Cont.	0- 0- 0 38- 2- 8	
or 54.0"	0- 0- 0 38- 2- 8	

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	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-
Q	1533	483 U	9 R
R	1533	483 U	9 R

Jt	Brg Size	Required
Q	7.0"	1.7"
R	7.0"	1.7"

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 -S	0.33	404 T	0.09	0.24	
S -B	0.46	2134 C	0.28	0.18	
B -K	0.55	2708 C	0.19	0.36	
K -C	0.55	2708 C	0.19	0.36	
C -T	0.46	2134 C	0.28	0.18	
T -D	0.33	404 T	0.09	0.24	
---Bottom Chords---					
A -Q	0.43	436 T	0.07	0.36	
Q -F	0.67	1617 T	0.34	0.33	
F -S1	0.68	2024 T	0.27	0.41	
S1-H	0.63	2024 T	0.43	0.20	

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 248.4 LBS

H -S2	0.63	2024 T	0.43	0.20
S2-E	0.68	2024 T	0.27	0.41
E -R	0.67	1617 T	0.34	0.33
R -D	0.43	436 T	0.07	0.36

---Webs---				
Q -S	0.99	2357 C		
S -F	0.25	434 T		
F -B	0.06	196 T		
B -H	0.93	755 T		
H -K	0.18	479 C		
K -C	0.93	755 T		
E -C	0.06	197 T		
E -T	0.25	434 T		
T -R	0.99	2357 C		

TL Defl	-0.44"	in F -H	L/892
LL Defl	-0.18"	in F -H	L/999
LL Cant	0.02"	in R -D	L/999
Shear //	Grain	in B -K	0.31

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 4.0x 8.0 2.6 0.7 0.47
S MT20 4.0x 5.0 0.9-0.4 0.92
B MT20 5.0x 8.0 Ctr Ctr 0.76
K MT20 5.0x 8.0 Ctr 0.5 0.80
C MT20 5.0x 8.0 Ctr Ctr 0.76
T MT20 4.0x 5.0 0.9-0.4 0.92
D MT20 4.0x 8.0 2.6 0.7 0.47
Q MT20 3.0x 4.0 Ctr Ctr 0.92
F MT20 4.0x 5.0 Ctr Ctr 0.25
S1 MT20 4.0x 6.0 Ctr 0.2 0.61
H MT20 4.0x 8.0 Ctr Ctr 0.40
S2 MT20 4.0x 6.0 Ctr 0.2 0.61
E MT20 4.0x 5.0 Ctr Ctr 0.25
R MT20 3.0x 4.0 Ctr Ctr 0.92

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: 130 mph

Risk Category: II

Mean Roof Height: 16-0

Exposure Category: B

Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf

User-defined wind-exposed BC

regions --From-- --To--

2- 3- 4 35-11- 4

Max comp. force 2708 Lbs

Max tens. force 2130 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a

creep factor of 1.5 which

is used to calculate total

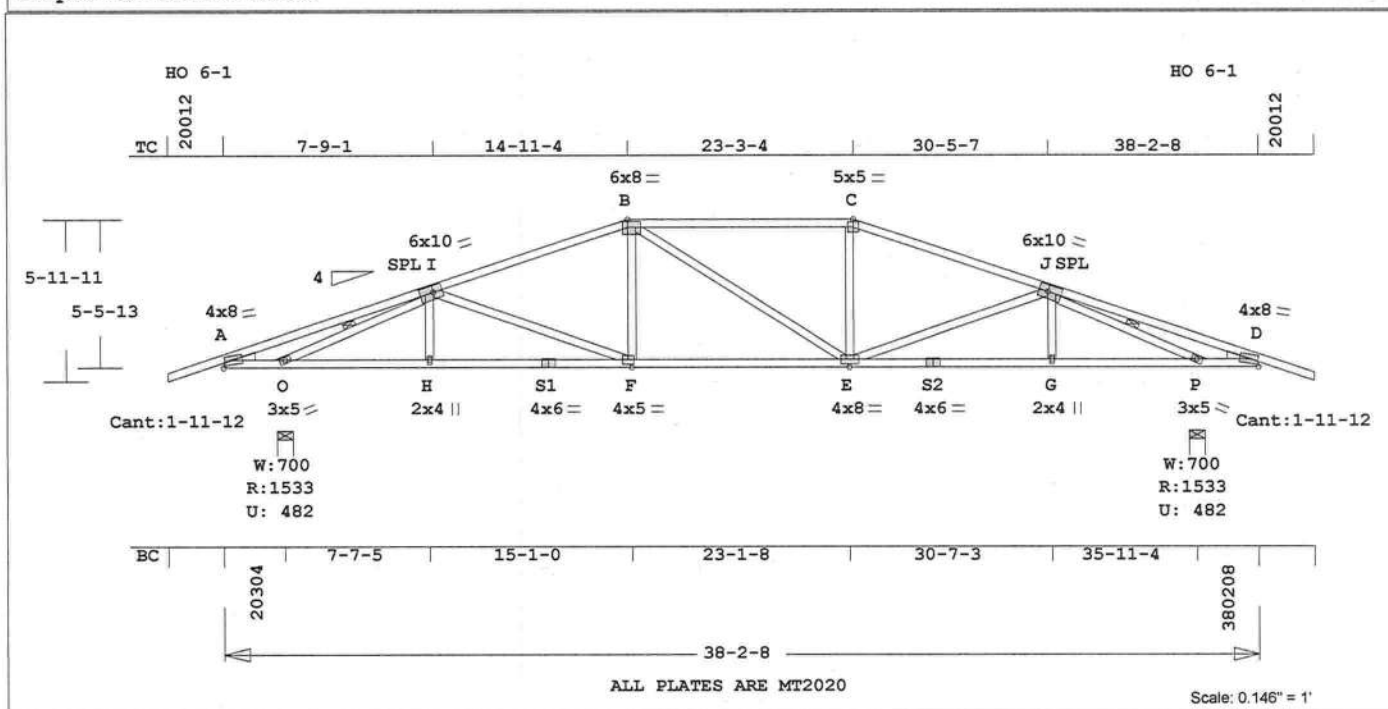
load deflection.



FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
130310	R47	1	HIPP	380208	4	2- 0-12	2- 0-12	T4849183
Campus USA Credit Union								



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

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

CSI -Size-	Lumber
TC 0.64 2x 4 SP-#1	
-- 0.60 2x 4 SP-#2	
A -I I -B C -J J -D	
BC 0.77 2x 4 SP-#2	
WB 0.83 2x 4 SP-#3	
PB --- 2x 4 SP-#3	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 38- 2- 8	
or 42.0"	0- 0- 0 38- 2- 8	
BC Cont.	0- 0- 0 38- 2- 8	
or 54.0"	0- 0- 0 38- 2- 8	

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

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

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber	Duration Factor 1.25	
Plate	Duration Factor 1.25	
Fb	Fc	Ft
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
O	1533	483 U	13 R
P	1533	483 U	13 R

Jt	Brg Size	Required
O	7.0"	1.7"
P	7.0"	1.7"

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

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -I	0.57	385 T	0.09 0.48
I -B	0.60	1972 C	0.27 0.33
B -C	0.64	1870 C	0.09 0.55
C -J	0.60	1973 C	0.27 0.33
J -D	0.57	385 T	0.09 0.48
-----Bottom Chords-----			
A -O	0.68	440 T	0.00 0.68

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 256.1 LBS

O -H	0.77	1964 T	0.41	0.36
H -S1	0.59	1964 T	0.41	0.18
S1 -F	0.65	1964 T	0.41	0.24
F -E	0.62	1865 T	0.39	0.23
E -S2	0.66	1964 T	0.41	0.25
S2 -G	0.58	1964 T	0.41	0.17
G -P	0.77	1964 T	0.41	0.36
P -D	0.68	440 T	0.00	0.68

O -I	0.83	2619 C	1 Br
H -I	0.08	240 T	
I -F	0.13	140 T	
F -B	0.13	346 T	
B -E	0.12	67 C	
E -C	0.14	345 T	
E -J	0.14	142 T	
G -J	0.08	239 T	
J -P	0.83	2618 C	1 Br

TL Defl	-0.42"	in H -F	L/934
LL Defl <td>-0.16" <th>in H -F</th> <th>L/999</th> </td>	-0.16" <th>in H -F</th> <th>L/999</th>	in H -F	L/999
LL Cant <td>-0.03" <th>in P -D</th> <th>L/762</th> </td>	-0.03" <th>in P -D</th> <th>L/762</th>	in P -D	L/762
Shear // Grain <td>in A -O <td>0.33</td> <td></td> </td>	in A -O <td>0.33</td> <td></td>	0.33	

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	4.0x	8.0	2.6	0.7 0.47
I MT20	6.0x10.0	-1.0	-0.3	0.82
B MT20	6.0x	8.0	Ctr	0.2 0.95
C MT20	5.0x	5.0	Ctr	0.99
J MT20	6.0x10.0	-1.0	-0.3	0.82
D MT20	4.0x	8.0	-2.6	0.7 0.47
O MT20	3.0x	5.0	Ctr	0.91
H MT20	2.0x	4.0	Ctr	0.34
S1 MT20	4.0x	6.0	Ctr	0.2 0.59
F MT20	4.0x	5.0	Ctr	0.25
E MT20	4.0x	8.0	Ctr	0.23
S2 MT20	4.0x	6.0	Ctr	0.2 0.58
G MT20	2.0x	4.0	Ctr	0.34
P MT20	3.0x	5.0	Ctr	0.91

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: 130 mph

Risk Category: II

Mean Roof Height: 16-0

Exposure Category: B

Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf

User-defined wind-exposed BC regions

From	To
2- 3- 4	35-11- 4

Max comp. force 2619 Lbs

Max tens. force 2113 Lbs

Connector Plate Fabrication Tolerance = 20%

This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

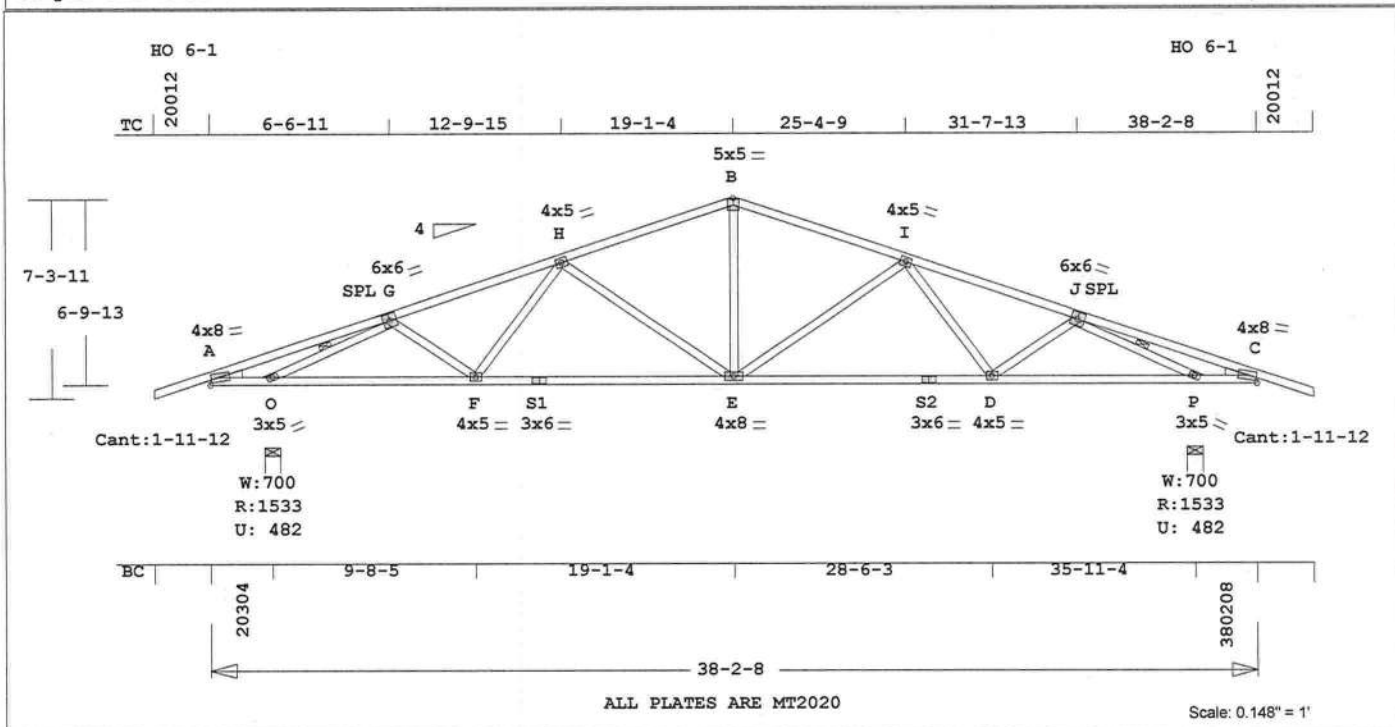


FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
130310	R49	1	TR	380208	4	2- 0-12	2- 0-12	T4849185

Campus USA Credit Union



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

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

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 38- 2- 8
or 42.0" 0- 0- 0 38- 2- 8
BC Cont. 0- 0- 0 38- 2- 8
or 54.0" 0- 0- 0 38- 2- 8

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

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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
O 1533 483 U 16 R
P 1533 483 U 16 R

Jt Brg Size Required
O 7.0" 1.7"
P 7.0" 1.7"

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 -G 0.44 422 T 0.10 0.34
G -H 0.52 2067 C 0.29 0.23
H -B 0.49 1659 C 0.24 0.25
B -I 0.49 1659 C 0.24 0.25
I -J 0.52 2067 C 0.29 0.23
J -C 0.44 422 T 0.10 0.34
-----Bottom Chords-----
A -O 0.55 460 T 0.00 0.55
O -F 0.68 1819 T 0.38 0.30

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 253.6 LBS

F -S1	0.65	1931	T	0.24	0.41
S1-E	0.81	1931	T	0.24	0.57
E -S2	0.81	1931	T	0.24	0.57
S2-D	0.65	1931	T	0.24	0.41
D -P	0.68	1819	T	0.38	0.30
P -C	0.55	460	T	0.00	0.55

O -G	0.72	2541	C	1	Br
G -F	0.08	263	T		
F -H	0.07	216	T		
H -E	0.55	442	C		
E -B	0.58	720	T		
E -I	0.55	442	C		
I -D	0.07	216	T		
D -J	0.08	263	T		
J -P	0.72	2541	C	1	Br

TL Defl -0.46" in F -E L/856
LL Defl -0.18" in F -E L/999
LL Cant -0.02" in A -O L/999
Shear // Grain in A -O 0.27

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 4.0x 8.0 2.6 0.7 0.47
G MT20 6.0x 6.0 Ctr Ctr 0.75
H MT20 4.0x 5.0 Ctr Ctr 0.24
B MT20 5.0x 5.0 Ctr Ctr 0.66
I MT20 4.0x 5.0 Ctr Ctr 0.24
J MT20 6.0x 6.0 Ctr Ctr 0.75
C MT20 4.0x 8.0-2.6 0.7 0.47
O MT20 3.0x 5.0 Ctr Ctr 0.88
F MT20 4.0x 5.0 Ctr Ctr 0.22
S1 MT20 3.0x 6.0 Ctr Ctr 0.91
E MT20 4.0x 8.0 Ctr Ctr 0.29
S2 MT20 3.0x 6.0 Ctr Ctr 0.91
D MT20 4.0x 5.0 Ctr Ctr 0.22
P MT20 3.0x 5.0 Ctr Ctr 0.88

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.

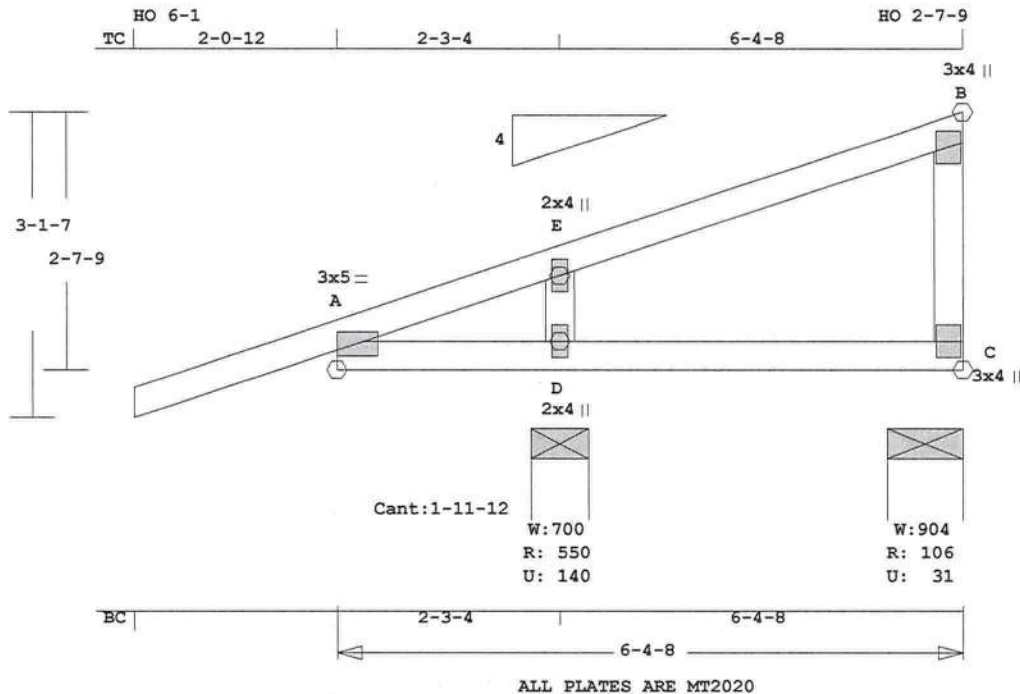
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 130 mph
Risk Category: II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
2- 3- 4 35-11- 4
Max comp. force 2541 Lbs
Max tens. force 2082 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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
130310	R50A	1	MONO	60408	4	2- 0-12	0	T4849187

Campus USA Credit Union



Scale: 0.529" = 1'

Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.45 2x 4 SP-#2
BC 0.50 2x 4 SP-#2
WB 0.72 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 6- 4- 8
or 48.0" 0- 0- 0 6- 4- 8
BC Cont. 0- 0- 0 6- 4- 8
or 70.5" 0- 0- 0 6- 4- 8

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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 551 141 U 24 R
C 107 32 U 65 R

Jt Brg Size Required
D 7.0" 1.5"
C 9.2" 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 -E 0.29 436 C 0.06 0.23
E -B 0.45 76 T 0.00 0.45
-----Bottom Chords-----
A -D 0.31 411 T 0.06 0.25

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 34.2 LBS

D -C	0.50	115	T	0.01	0.49
-----Webs-----					
D -E	0.72	412	T	0.13	0.59
C -B	0.38	153	T	0.00	0.38
TL Defl	0.02"	in D -C	L/999		
LL Defl	0.01"	in D -C	L/999		
LL Cant	-0.06"	in A -D	L/368		
Shear //	Grain	in D -C	0.23		

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 0.8 0.2 0.61
E MT20 2.0x 4.0 Ctr Ctr 0.26
B MT20 3.0x 4.0 Ctr Ctr 0.47
D MT20 2.0x 4.0 Ctr Ctr 0.26
C MT20 3.0x 4.0 Ctr Ctr 0.66

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: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
2- 3- 4 6- 4- 8
Max comp. force 436 Lbs
Max tens. force 412 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

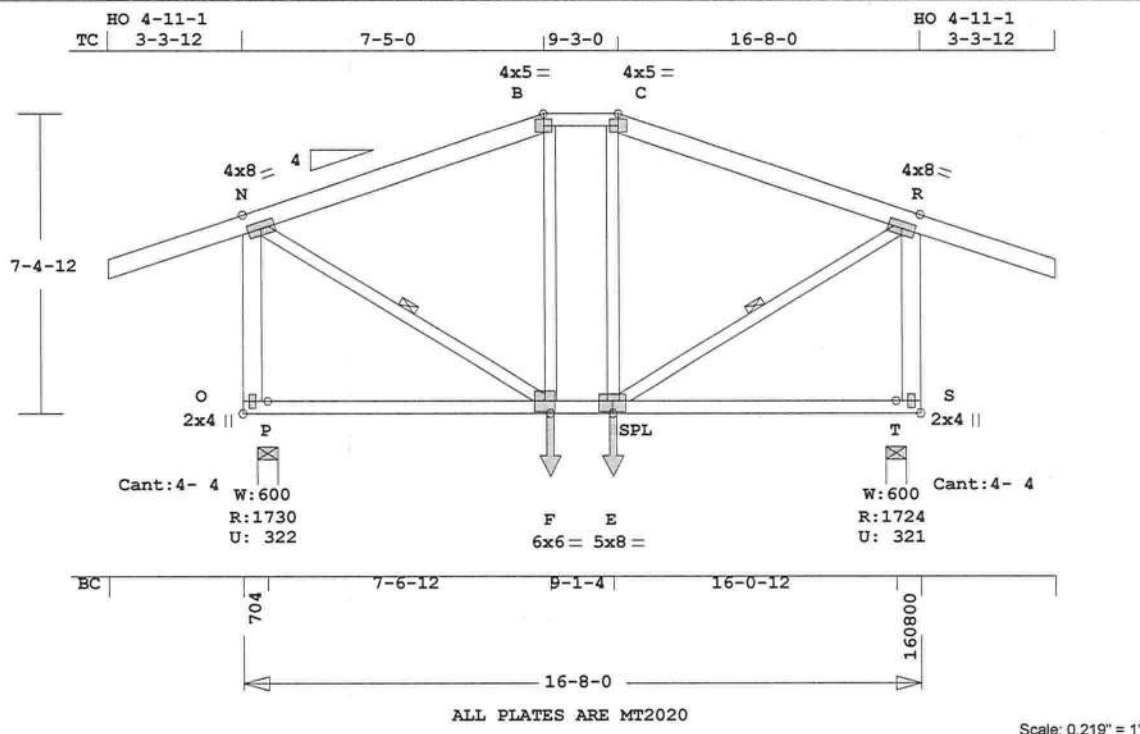


FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
130310	R51	1	HIPP	160800	4	3- 3-12	3- 3-12	T4849189

Campus USA Credit Union



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON
CSI -Size- Lumber-----
TC 0.35 2x 6 SP-#2
-- 0.34 2x 4 SP-#2
B-C
BC 0.60 2x 4 SP-#2
WB 0.63 2x 4 SP-#3
-- 0.34 2x 6 SP-#2
O-N S-R

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 16- 8- 0
or 48.0" 0- 0- 0 16- 8- 0
BC Cont. 0- 0- 0 16- 8- 0
or 60.0" 0- 0- 0 16- 8- 0
Continuous Lateral Restraint req'd at mid-point of webs:
N-F E-R
Attach CLR with (2)-10d nails at each web.
Refer to BCSI for diagonal restraint requirements.

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	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-
O 1730 322 U 155 R
S 1725 321 U 155 R

Jt	Brg Size	Required
O	6.0"	1.9"
S	6.0"	1.9"

LC# 1 Girder Loading
Dur Petrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 14 40 0.0' 16.7'
BC V 20 0 0.0' 16.7'
TC V 23 66 7.4' 9.2'
BC V 33 0 7.6' 9.1'
BC V 373 438 7.6' CL-LB
BC V 373 438 9.1' CL-LB

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 180.9 LBS

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-----				
N-B	0.33	1386 C	0.01	0.32
B-C	0.34	1313 C	0.17	0.17
C-R	0.35	1384 C	0.01	0.34
-----Bottom Chords-----				
O-F	0.45	211 T	0.00	0.45
F-E	0.60	1313 T	0.18	0.42
E-S	0.45	104 T	0.00	0.45
-----Webs-----				
O-N	0.34	1665 C	WindLd	
N-F	0.63	1551 T		1 Br
F-B	0.08	240 T		
E-C	0.08	238 T		
E-R	0.63	1551 T		1 Br
S-R	0.34	1659 C	WindLd	

TL Defl -0.22" in E-S L/819
LL Defl -0.10" in E-S L/999
Shear // Grain in O-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
N MT20 4.0x 8.0 Ctr Ctr 0.99
B MT20 4.0x 5.0 Ctr Ctr 0.89
C MT20 4.0x 5.0 Ctr Ctr 0.90
R MT20 4.0x 8.0 Ctr Ctr 0.99
O MT20 2.0x 4.0 Ctr Ctr 0.74
F MT20 6.0x 6.0 Ctr Ctr 0.66
E MT20 5.0x 8.0 Ctr-0.5 0.86
S MT20 2.0x 4.0 Ctr Ctr 0.82

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

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

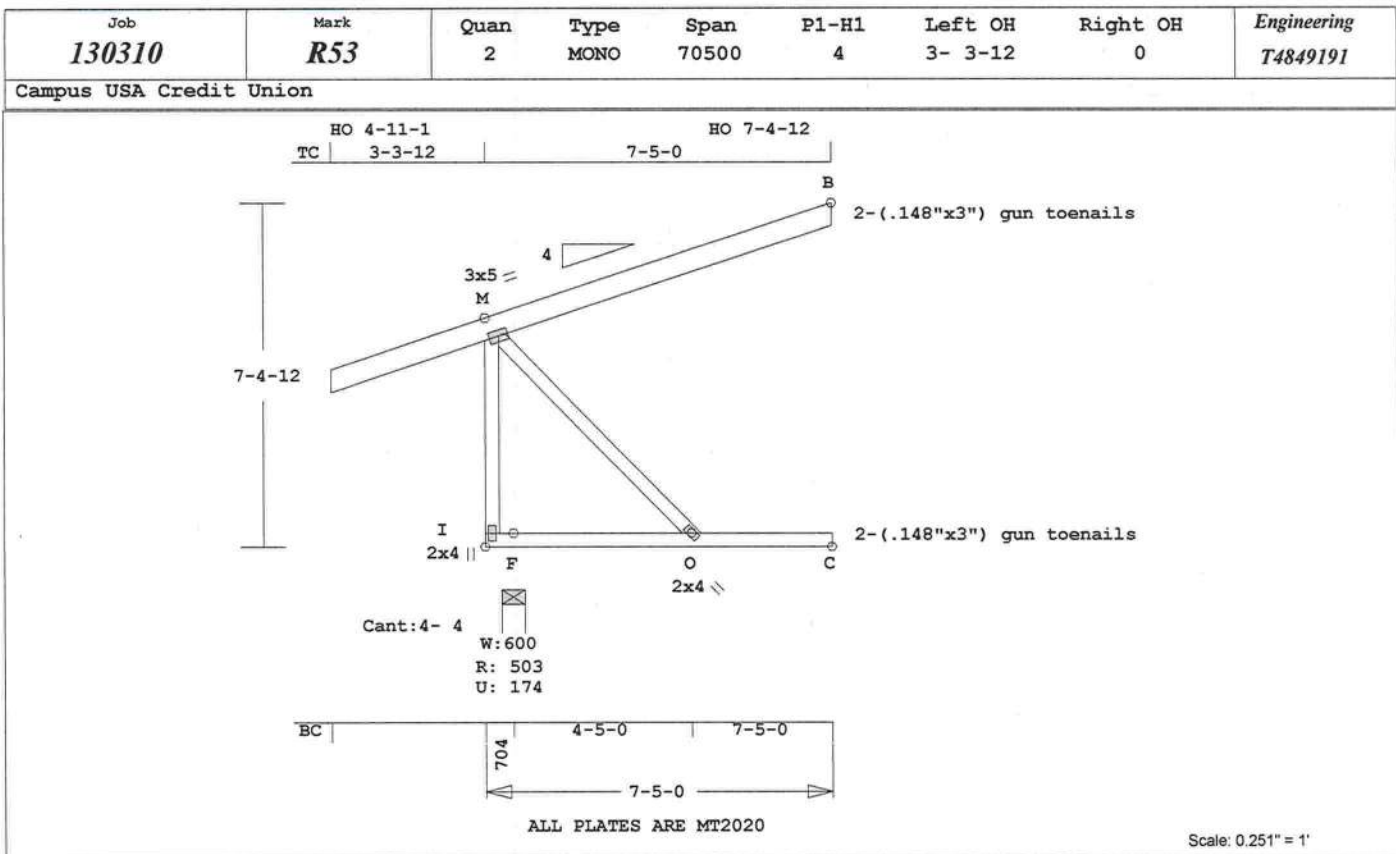
NOTES:
Trusses Manufactured by:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2010
TPI 2007
Girder Step Down Hip
Framing King Jacks
Jack Open Faced

Setback 8- 7- 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: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC regions --From-- --To--
0- 7- 4 16- 0-12
Max comp. force 1665 Lbs
Max tens. force 1551 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

May 24, 2013



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.28 2x 6 SP-#2
BC 0.81 2x 4 SP-#1
WB 0.29 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 7- 1- 8
or 48.0" 0- 0- 0 7- 1- 8
BC Cont. 0- 0- 0 7- 1- 8
or 81.5" 0- 0- 0 7- 1- 8

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
Fb	Fc	Ft
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
F 503 174 U 154 R
C 130 87 U
B 196 80 U 112 R

Jt	Brg Size	Required
F	6.0"	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-----				
M -B	0.28	97 C	0.00	0.28
-----Bottom Chords-----				
I -F	0.21	105 T	0.00	0.21
F -O	0.81	260 C	0.00	0.81

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 66.0 LBS

O -C	0.76	O T	0.00	0.76
-----Webs-----				
I -M	0.29	396 C	WindLd	
M -O	0.11	375 T		

TL Defl	-0.20"	in F -O	L/371
LL Defl	-0.10"	in F -O	L/768
Hx Disp	LL	DL	TL
Jt B	0.80"	0.07"	0.73"
Shear //	Grain	in I -F	0.53

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
M MT20 3.0x 5.0 Ctr Ctr 0.65
I MT20 2.0x 4.0 Ctr Ctr 0.30
O MT20 2.0x 4.0 Ctr Ctr 0.21

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:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0

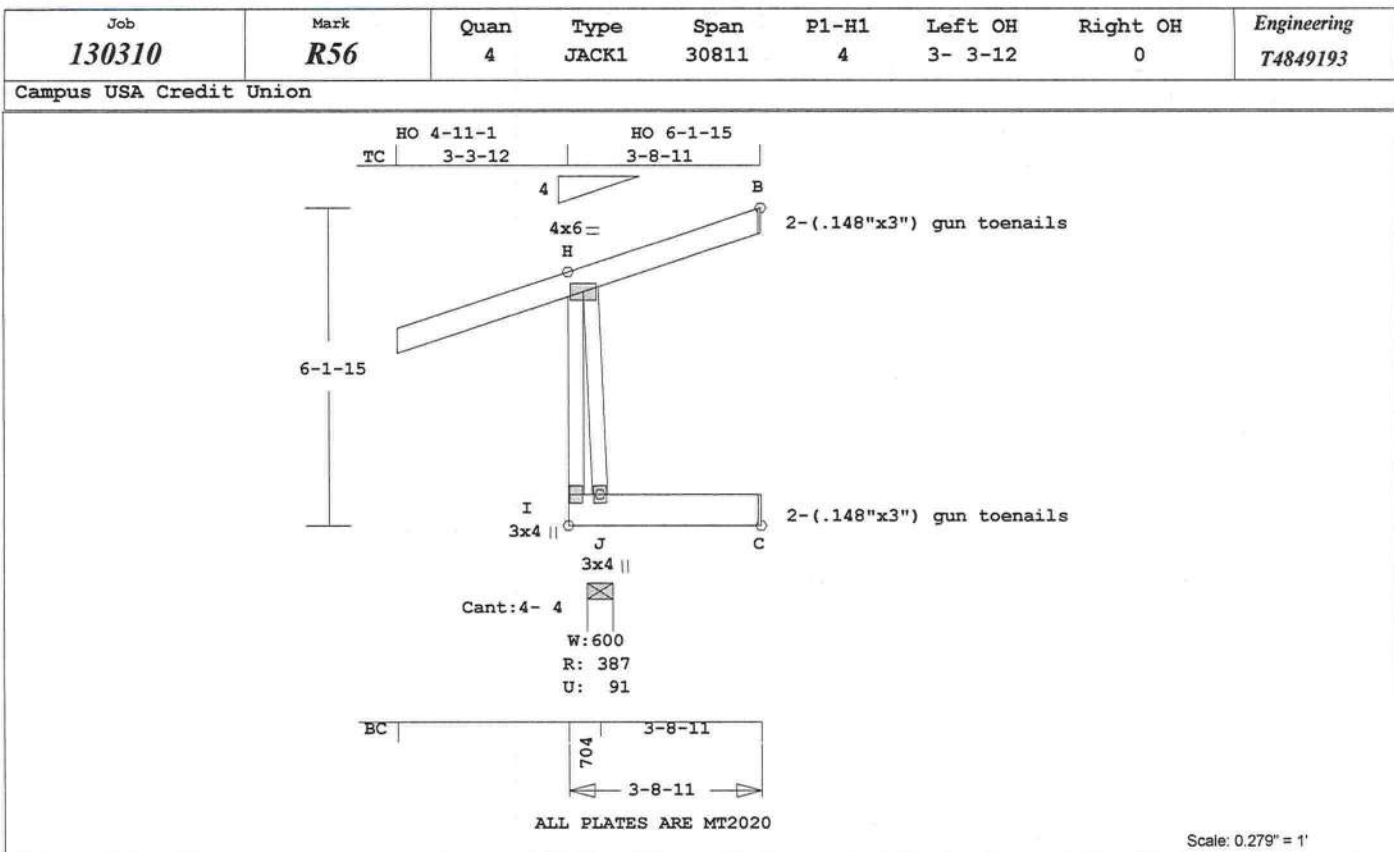
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-

concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 7- 4 7- 5- 0
Max comp. force 396 Lbs
Max tens. force 375 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

May 24, 2013



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.05 2x 6 SP-#2
BC 0.13 2x 8 SP-2400f-2.0E
WB 0.75 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	3- 5- 3	
or 41.2"	0- 0- 0	3- 5- 3	
BC Cont.	0- 0- 0	3- 5- 3	
or 41.2"	0- 0- 0	3- 5- 3	

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	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-
J	388	91 U	118 R
C	102	112 U	88 R
B	86	38 U	

Jt	Brg Size	Required
J	6.0"	1.5"
C	3.5"	1.5"
B	3.5"	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-----			
H -B	0.05	57 C	0.00 0.05
-----Bottom Chords-----			
I -J	0.13	163 T	0.00 0.13
J -C	0.13	88 T	0.00 0.13

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 50.6 LBS

-----Webs-----
I -H 0.75 1753 C WindLd
H -J 0.65 2057 T

TL Defl	0.00"	in J -C	L/999
LL Defl	0.00"	in J -C	L/999
Hz Disp	LL	DL	TL
Jt B	0.48"	0.01"	0.50"
Shear // Grain	in I -J	0.78	

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
H MT20 4.0x 6.0 Ctr Ctr 0.92
I MT20 3.0x 4.0 Ctr Ctr 0.85
J MT20 3.0x 4.0 Ctr Ctr 0.94

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:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2010
TPI 2007

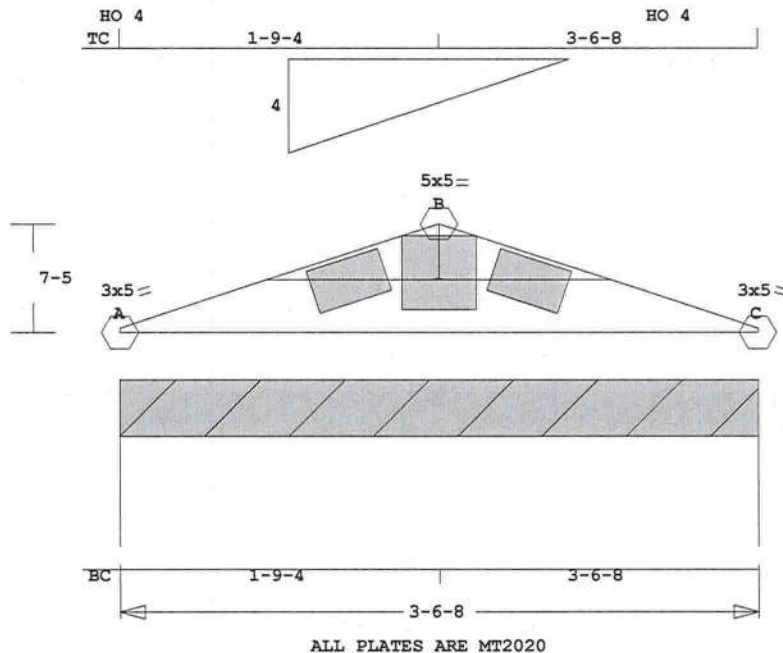
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 7- 4 3- 8-11
Max comp. force 1753 Lbs
Max tens. force 2057 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

Job 130310	Mark VI	Quan 1	Type VL	Span 30608	P1-H1 4	Left OH 0	Right OH 0	Engineering T4849195
Campus USA Credit Union								



Scale: 0.970" = 1'

Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design
values are those effective
06-01-12 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 3- 6- 8
or 42.5" 0- 0- 0 3- 6- 8
BC Cont. 0- 0- 0 3- 6- 8
or 42.5" 0- 0- 0 3- 6- 8

psf-Ld	Dead	Live		
TC	7.0	20.0		
BC	10.0	0.0		
TC+BC	17.0	20.0		
Total	37.0	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 139 13 U 3 R

Jt Brg Size Required
A 42.5" 0"-to- 43"

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-----

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 10.5 LBS

-----Bottom Chords-----
A -C 0.00 0 T

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

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 0.52
B MT20 5.0x 5.0 Ctr-1.5 0.33
C MT20 3.0x 5.0 Ctr Ctr 0.52

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.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B

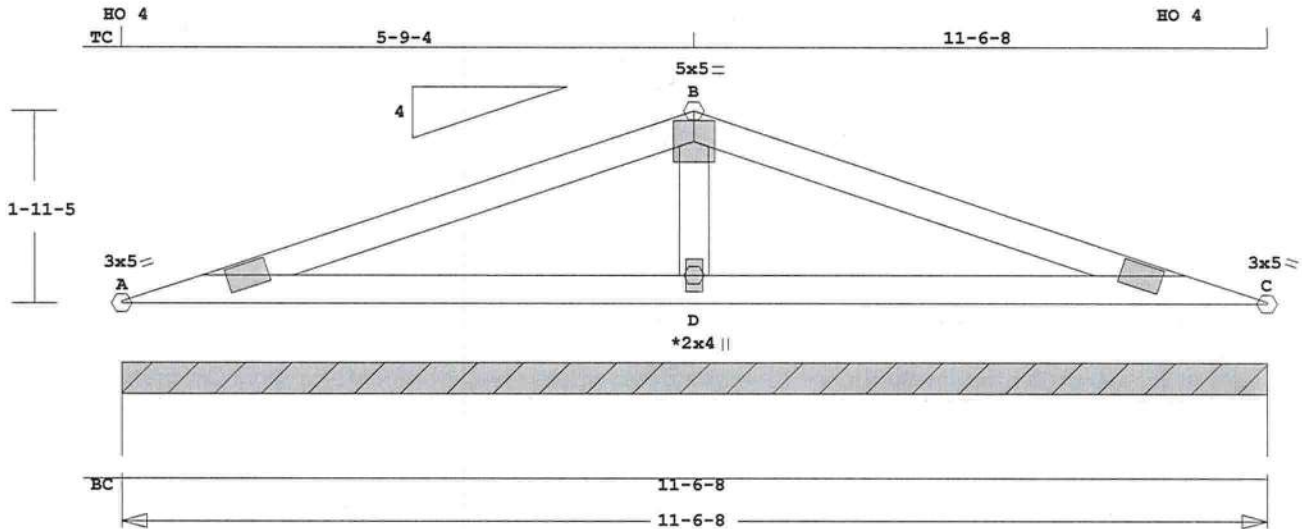
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 13 Lbs
Max tens. force 26 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

Job 130310	Mark V3	Quan 1	Type VL	Span 110608	P1-H1 4	Left OH 0	Right OH 0	Engineering T4849197
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Campus USA Credit Union



Scale: 0.535" = 1'

Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.15 2x 4 SP-#2
BC 0.11 2x 4 SP-#2
GW 0.05 2x 4 SP-#3

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 11- 6- 8
or 48.0" 0- 0- 0 11- 6- 8
BC Cont. 0- 0- 0 11- 6- 8
or 120.0" 0- 0- 0 11- 6- 8

psf-Ld Dead Live
TC 7.0 20.0
BC 10.0 0.0
TC+BC 17.0 20.0
Total 37.0 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 731 68 U 19 R

Jt Brg Size Required
A 138.5" 0"-to- 139"

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 -B 0.15 68 T 0.00 0.15

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 44.1 LBS

B -C 0.15 68 T 0.00 0.15
-----Bottom Chords-----
A -D 0.11 0 T 0.00 0.11
D -C 0.11 0 T 0.00 0.11
-----Gable Webs-----
D -B 0.05 187 C
TL Defl -0.01" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.14

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 0.52
B MT20 5.0x 5.0 Ctr Ctr 0.37
C MT20 3.0x 5.0 Ctr Ctr 0.52
D 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:
RIDGWAY ROOF TRUSS
Analysis Conforms To:
FBC2010
TPI 2007

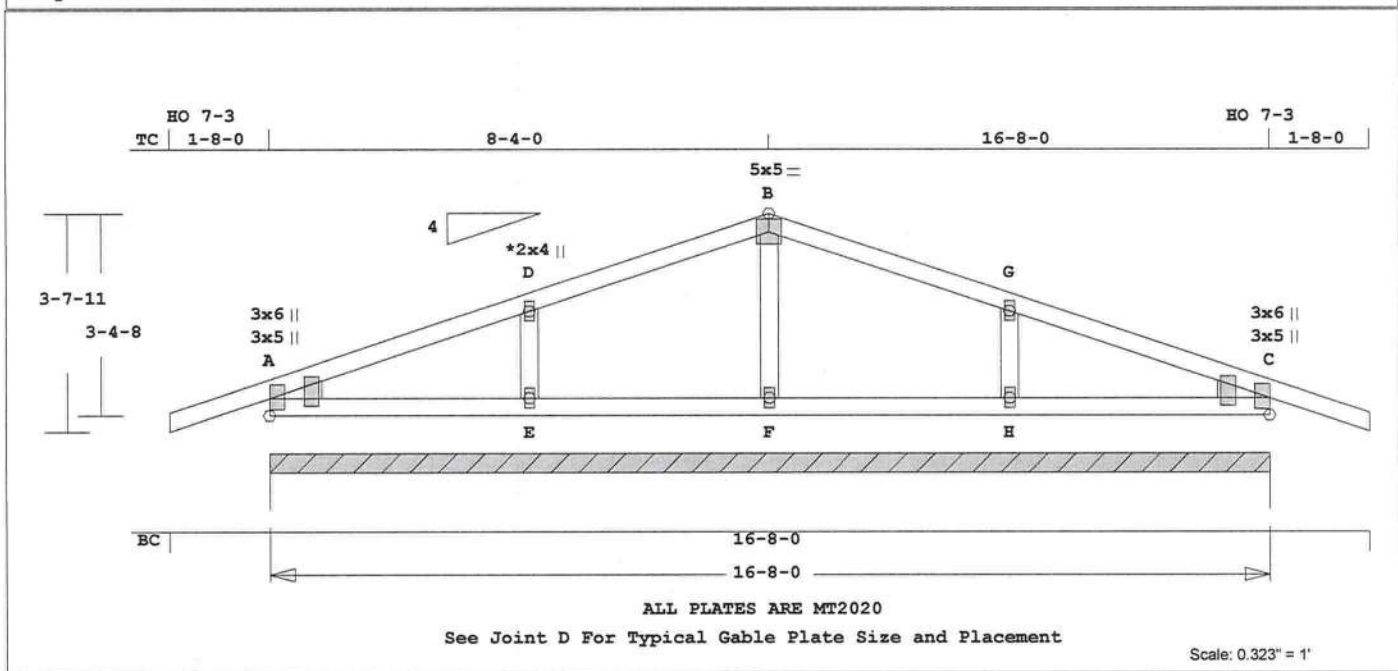
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 130 mph

Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 187 Lbs
Max tens. force 184 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

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
130310	V5	1	TR	160800	4	1- 8- 0	1- 8- 0	T4849199
Campus USA Credit Union								



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

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

CSI -Size- ----Lumber----

TC	0.16	2x 4	SP-#2
BC	0.10	2x 4	SP-#2
GW	0.06	2x 4	SP-#3
WG	---	2x 4	SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 8- 0
or 48.0"	0- 0- 0	16- 8- 0
BC Cont.	0- 0- 0	16- 8- 0
or 120.0"	0- 0- 0	16- 8- 0

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	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	1427	149 U	33 R

Jt	Brg Size	Required
A	200.0"	0"-to- 200"

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

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -D	0.16	188 C	0.00 0.16
D -B	0.16	198 C	0.00 0.16
B -G	0.16	198 C	0.00 0.16
G -C	0.16	188 C	0.00 0.16
-----Bottom Chords-----			
A -E	0.10	7 T	0.00 0.10
E -F	0.10	0 T	0.00 0.10
F -H	0.10	0 T	0.00 0.10

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 85.9 LBS

H -C	0.10	7 T	0.00 0.10
-----Gable Webs-----			
E -D	0.06	231 C	
F -B	0.02	75 C	
H -G	0.06	231 C	

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

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	1.5 1.1 0.51
A MT20	3.0x 6.0	Ctr Ctr 0.00
D MT20	2.0x 4.0	Ctr Ctr 0.00
B MT20	5.0x 5.0	Ctr Ctr 0.37
G MT20	2.0x 4.0	Ctr Ctr 0.00
C MT20	3.0x 5.0-1.5	1.1 0.51
C MT20	3.0x 6.0	Ctr Ctr 0.00
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:
RIDGWAY ROOF TRUSS
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: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 231 Lbs
Max tens. force 205 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

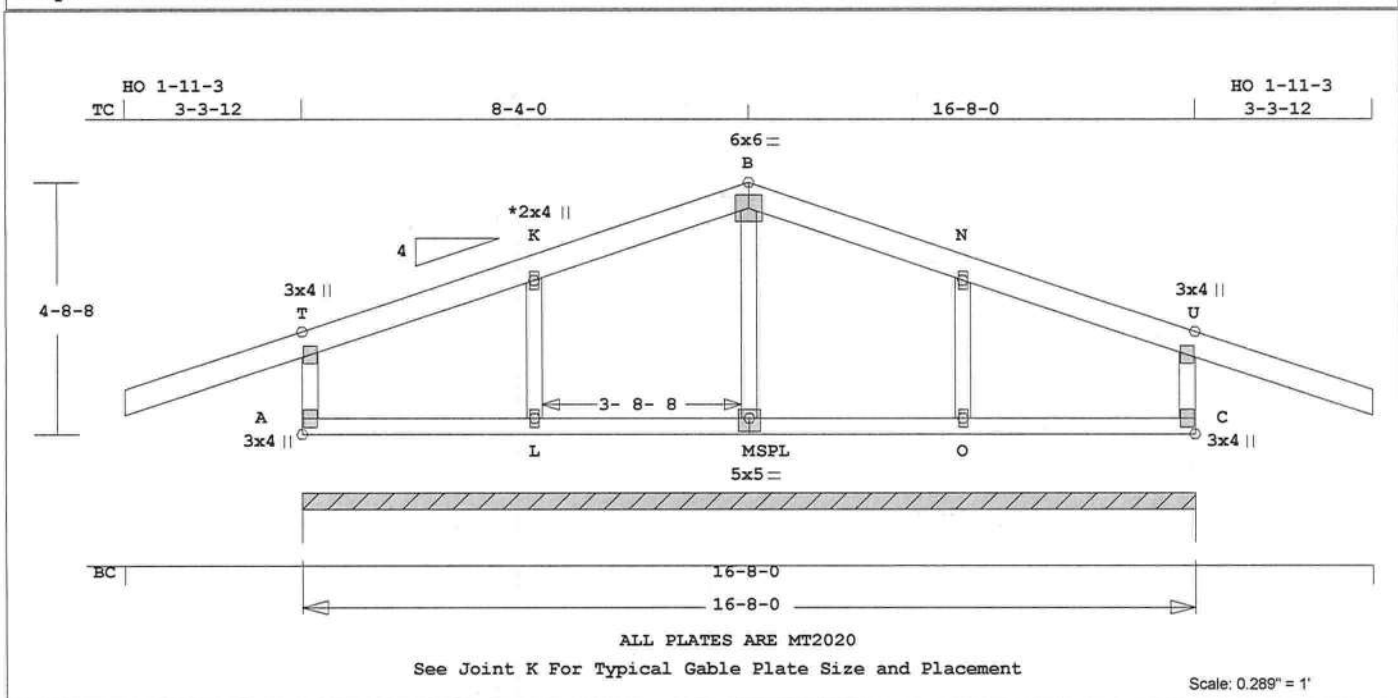


FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
130310	V7	1	TR	160800	4	3- 3-12	3- 3-12	T4849201

Campus USA Credit Union



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON
CSI -Size- Lumber-----
TC 0.06 2x 6 SP-#2
BC 0.11 2x 4 SP-#2
WB 0.20 2x 4 SP-#3
GW 0.08 2x 4 SP-#3

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 16- 8- 0	
or 48.0"	0- 0- 0 16- 8- 0	
BC Cont.	0- 0- 0 16- 8- 0	
or 120.0"	0- 0- 0 16- 8- 0	

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
Fb	Fc	Ft
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1618 182 U 71 R

Jt	Brg Size	Required
A	200.0"	0"-to- 200"

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-----			
T-K	0.06	50 T	0.00 0.06
K-B	0.06	130 T	0.00 0.06
B-N	0.06	130 T	0.00 0.06
N-U	0.06	50 T	0.00 0.06
-----Bottom Chords-----			
A-L	0.11	0 T	0.00 0.11
L-M	0.10	0 T	0.00 0.10
M-O	0.10	0 T	0.00 0.10

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 124.1 LBS

O	-C	0.11	0 T	0.00	0.11
-----Webs-----					
A	-T	0.20	360 T	0.11	0.09
C	-U	0.20	360 T	0.11	0.09
-----Gable Webs-----					
L	-K	0.08	247 C	0.07	0.01
M	-B	0.08	166 C		
O	-N	0.08	247 C	0.07	0.01
TL Defl -0.01" in A -L L/999					
LL Defl -0.01" in A -L L/999					
Shear // Grain in T -K 0.09					

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
T MT20 3.0x 4.0 Ctr Ctr 0.43
K MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 6.0x 6.0 Ctr Ctr 0.48
N MT20 2.0x 4.0 Ctr Ctr 0.00
U MT20 3.0x 4.0 Ctr Ctr 0.43
A MT20 3.0x 4.0 Ctr Ctr 0.33
L MT20 2.0x 4.0 Ctr Ctr 0.00
M MT20 5.0x 5.0 Ctr-0.5 0.39
O MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 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:
RIDGWAY ROOF TRUSS
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: 130 mph
Risk Category : II
Mean Roof Height: 16-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Max comp. force 310 lbs
Max tens. force 360 lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

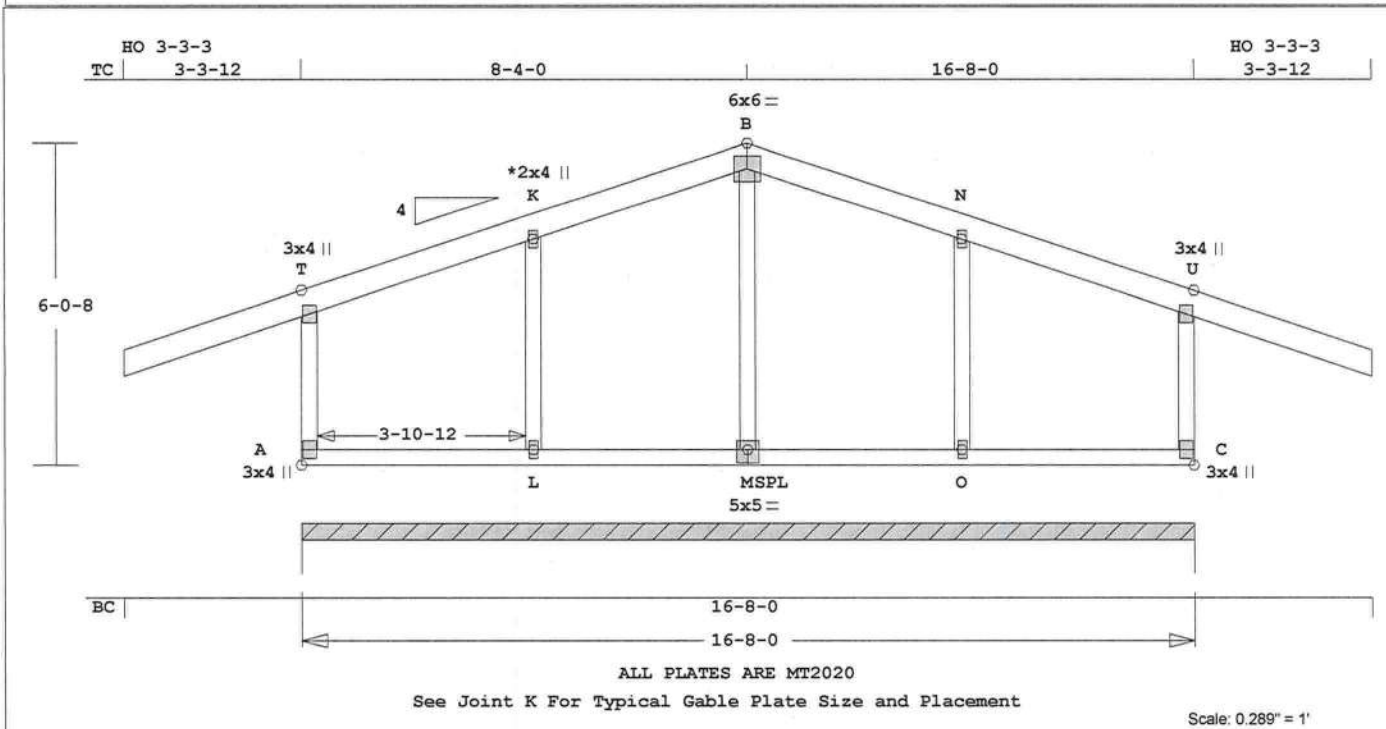


FL Cert. 6634

May 24, 2013

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
130310	V9	1	TR	160800	4	3- 3-12	3- 3-12	T4849203

Campus USA Credit Union



Online Plus -- Version 30.0.023
RUN DATE: 23-MAY-13

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON
CSI -Size- ---Lumber---
TC 0.06 2x 6 SP-#2
BC 0.11 2x 4 SP-#2
WB 0.30 2x 4 SP-#3
GW 0.17 2x 4 SP-#3

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	16- 8- 0	0
or 48.0"	0- 0- 0	16- 8- 0	0
BC Cont.	0- 0- 0	16- 8- 0	0
or 120.0"	0- 0- 0	16- 8- 0	0

psf-Ld	Dead	Live
TC	7.0	20.0
BC	10.0	0.0
TC+BC	17.0	20.0
Total	37.0	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	1618	182 U	109 R

Jt	Brg Size	Required
A	200.0"	0"-to- 200"

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-----				
T -K	0.06	54 T	0.00	0.06
K -B	0.06	136 T	0.00	0.06
B -N	0.06	136 T	0.00	0.06
N -U	0.06	54 T	0.00	0.06
-----Bottom Chords-----				
A -L	0.11	0 T	0.00	0.11
L -M	0.10	0 T	0.00	0.10
M -O	0.10	0 T	0.00	0.10

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 136.7 LBS

O -C	0.11	0 T	0.00	0.11
-----Webs-----				
A -T	0.30	365 T	0.07	0.23
C -U	0.30	365 T	0.07	0.23
-----Gable Webs-----				
L -K	0.17	249 C	0.07	0.10
M -B	0.14	174 C		
O -N	0.17	249 C	0.07	0.10
TL Defl	-0.01"	in A -L	L/999	
LL Defl	-0.01"	in A -L	L/999	
Shear // Grain		in T -K	0.09	

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	
T MT20	3.0x 4.0	Ctr Ctr	0.53	
K MT20	2.0x 4.0	Ctr Ctr	0.00	
B MT20	6.0x 6.0	Ctr Ctr	0.48	
N MT20	2.0x 4.0	Ctr Ctr	0.00	
U MT20	3.0x 4.0	Ctr Ctr	0.53	
A MT20	3.0x 4.0	Ctr Ctr	0.51	
L MT20	2.0x 4.0	Ctr Ctr	0.00	
M MT20	5.0x 5.0	Ctr-0.5	0.39	
O MT20	2.0x 4.0	Ctr Ctr	0.00	
C MT20	3.0x 4.0	Ctr Ctr	0.51	

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

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: 130 mph

Risk Category : II

Mean Roof Height: 16-0

Exposure Category: B

Building Type: Enclosed

TC Dead Load: 4.0 psf

BC Dead Load: 6.0 psf

Max comp. force 305 Lbs

Max tens. force 365 Lbs

Connector Plate Fabrication

Tolerance = 20%

This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

May 24, 2013

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

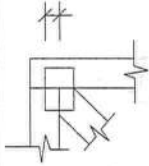
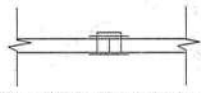


PLATE LOCATION

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.

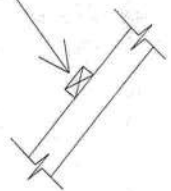
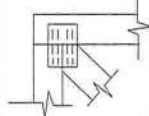


PLATE SIZE AND ORIENTATION

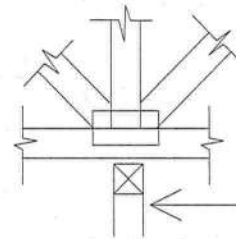
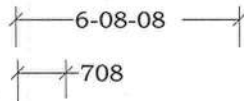
3x5 ||



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 USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

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

BCSI-B1 SUMMARY SHEET GUIDE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES SPANS OVER 60' MAY REQUIRE COMPLEX PERMANENT BRACING. PLEASE ALWAYS CONSULT A PROFESSIONAL ENGINEER

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary lateral restraint and diagonal bracing. Follow the recommendations for handling, installing and temporary restraining and bracing of trusses. Refer to **BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses***** for more detailed information.

Truss Design Drawings may specify locations of permanent lateral restraint or reinforcement for individual truss members. Refer to the **BCSI-B3 Summary Sheet - Permanent Restraint/Bracing of Chords & Web Members***** for more information. All other permanent bracing design is the responsibility of the Building Designer.

⚠ The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

El resultado de un manejo, levantamiento, instalación, restricción y arrioste incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.

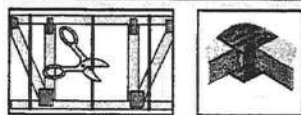
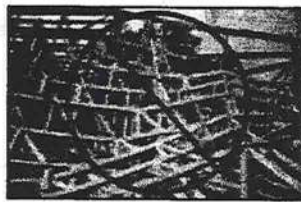
⚠ Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

Empaques y placas de metal tienen bordes afilados. Lleve guantes y lentes protectores cuando corte los empaques.

NOTAS GENERALES

Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arrioste diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arrioste temporal de los trusses. Vea el folleto **BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste de los Trusses de Madera Conectados con Placas de Metal***** para información más detallada.

Los dibujos de diseño de los trusses pueden especificar las localizaciones de restricción lateral permanente o refuerzo en los miembros individuales del truss. Vea la hoja resumen **BCSI-B3 - Restricción/Arrioste Permanente de Cuerdas y Miembros Secundarios***** para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del Diseñador del Edificio.



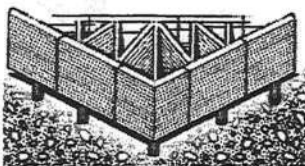
HANDLING — MANEJO

⚠ Avoid lateral bending. — Evite la flexión lateral.



⚠ The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite.

El contratista tiene la responsabilidad de recibir, descargar y almacenar adecuadamente los trusses en la obra.



✓ If trusses are to be stored horizontally, place blocking of sufficient height beneath the stack of trusses at 8' to 10' on center.

For trusses stored for more than one week, cover bundles to prevent moisture gain but allow for ventilation.

Refer to **BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses***** for more detailed information pertaining to handling and jobsite storage of trusses.

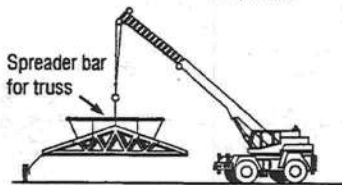
Si los trusses estarán guardados horizontalmente, ponga bloqueando de altura suficiente detrás de la pila de los trusses a 8' hasta 10' pies en el centro.

Para trusses guardados por más de una semana, cubra los paquetes para prevenir aumento de humedad pero permita ventilación.

Vea el folleto **BCSI Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arrioste de los Trusses de Madera Conectados con Placas de Metal***** para información más detallada sobre el manejo y almacenamiento de los trusses en área de trabajo.

⚠ Use special care in windy weather or near power lines and airports.

Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



✓ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



⚠ Do not store unbraced bundles upright.

No almacene verticalmente los trusses sueltos.



⚠ Do not store on uneven ground.

No almacene en tierra desigual.



HOISTING RECOMMENDATIONS FOR TRUSS BUNDLES RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES.

⚠ Warning! Don't overload the crane.
¡Advertencia! ¡No sobrecargue la grúa!

⚠ Never use banding alone to lift a bundle. Do not lift a group of individually banded bundles. Nunca use sólo los empaques para levantar un paquete. No levante un grupo de paquetes empaqueados individualmente.

✓ A single lift point may be used for bundles with trusses up to 45'. Two lift points may be used for bundles with trusses up to 60'. Use at least 3 lift points for bundles with trusses greater than 60'.

Puede usar un solo lugar de levantar para paquetes de trusses hasta 45 pies. Puede usar dos puntos de levantar para paquetes hasta 60 pies. Use por lo menos tres puntos de levantar para paquetes más de 60 pies.

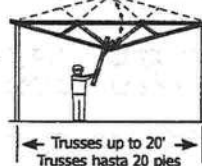
⚠ Warning! Do not over load supporting structure with truss bundle.
¡Advertencia! No sobrecargue la estructura apoyada con el paquete de trusses.

✓ Place truss bundles in stable position. Puse paquetes de trusses en una posición estable.

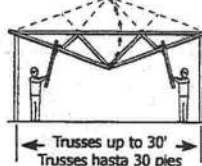


INSTALLATION OF SINGLE TRUSSES BY HAND INSTALACIÓN DE TRUSSES INDIVIDUALES POR LA MANO

✓ Trusses 20' or less, support at peak.



✓ Trusses 30' or less, support at quarter points.



HOISTING OF SINGLE TRUSSES — LEVANTAMIENTO DE TRUSSES INDIVIDUALES

✓ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

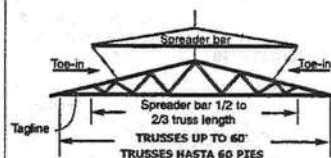
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

⚠ Warning! Using a single pick-point at the peak can damage the truss.

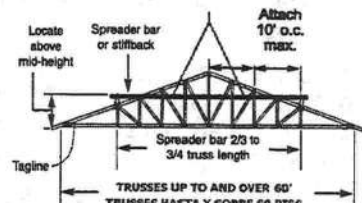
¡Advertencia! El uso de un solo lugar en el pico para levantar puede hacer daño al truss.



HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES



Tagline
60' or less
Approx. 1/2 truss length
TRUSSES UP TO 30'
TRUSSES HASTA 30 PIES



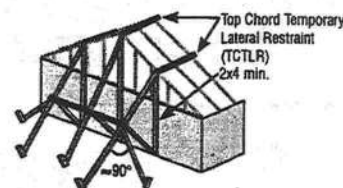
TEMPORARY RESTRAINT & BRACING RESTRICCIÓN Y ARRIOSTRE TEMPORAL

⚠ Refer to **BCSI-B2 Summary Sheet - Truss Installation & Temporary Restraint/Bracing***** for more information.

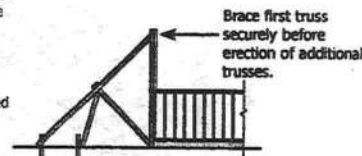
Vea el resumen **BCSI-B2 - Instalación de Trusses y Restricción/Arrioste Temporal***** para más información.

✓ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de restricción lateral temporal de la cuerda superior (vea la tabla en la próxima columna).



⚠ Do not walk on unbraced trusses.
No camine en trusses sueltos.



HOJA RESUMEN DE LA GUIA DE BUENA PRACTICA PARA EL MANEJO, INSTALACION, RESTRICCIÓN Y ARRIOSTRE DE LOS TRUSSES
VANOS MAS DE 60' PIES PUEDEN REQUERIR ARRIOSTRE PERMANENTE COMPLEJO. POR FAVOR, SIEMPRE CONSULTE A UN INGENIERO PROFESIONAL

B2 Truss Installation & Temporary Restraint/Bracing Instalación de Trusses & Restricción/Arriostre Temporal

FOR TRUSSES UP TO 2'-0" ON-CENTER AND 80'-0" IN LENGTH

PARA TRUSSES HASTA 2 PIES EN CENTRO Y HASTA 80 PIES DE LONGITUD

⚠ WARNING! Spans over 60' require more complex temporary installation restraint/bracing. Consult a registered design professional.

Los tramos más de 60 pies requieren restricción/arriostre de instalación temporal más complejo. Consulte a un profesional registrado de diseño.

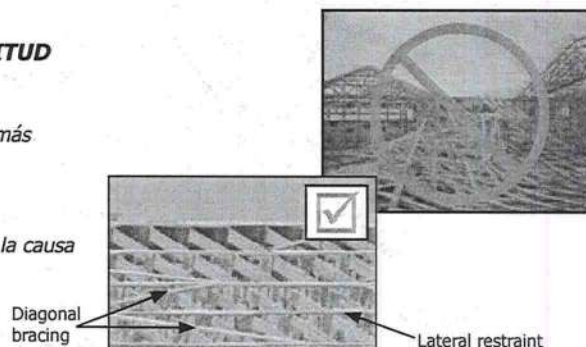
⚠ DANGER! Disregarding handling, installing, restraining and bracing safety recommendations is the major cause of truss erection/installation accidents.

El no seguir las recomendaciones de manejo, instalación, restricción y arriostre es la causa principal de los accidentes durante la erección/instalación de trusses.

NOTICE Lateral restraint is NOT adequate without diagonal bracing.
La Restricción Lateral NO es adecuada sin el Arriostre Diagonal.

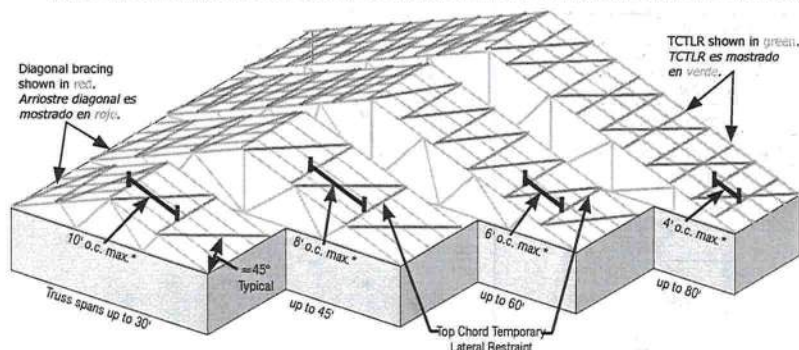
✓ Always diagonally brace for safety!

¡Siempre arriostre diagonalmente para seguridad!



MAXIMUM SPACING FOR TOP CHORD TEMPORARY LATERAL RESTRAINT (TCTLR)

EL ESPACIAMIENTO MÁXIMO PARA LA RESTRICCIÓN LATERAL TEMPORAL DE LA CUERDA SUPERIOR (TCTLR)



The graphic at left shows the maximum on-center spacing (see * at left) of TCTLR based on truss span from the table in Step 2 on page 2.

- Ground bracing not shown for clarity.
- Apply diagonal bracing or structural sheathing immediately. For spans over 60' applying structural sheathing immediately is the preferred method.

El dibujo a la izquierda muestra el espaciamiento máximo en el centro (vea * a la izquierda) del TCTLR basado en los tramos de trusses de la tabla en el Paso 2 en la página 2.

- No se muestra el arriostre de tierra para claridad.
- Aplique inmediatamente el Arriostre Diagonal o el Entablado Estructural (structural sheathing). Para tramos más de 60 pies el método preferido es entablarlos inmediatamente.

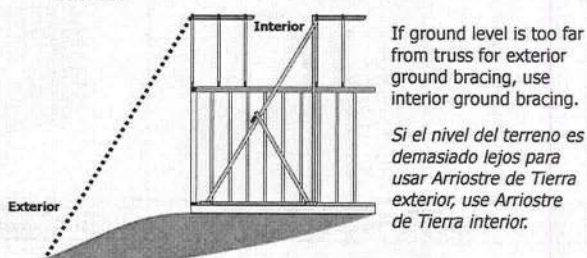
CHECK THESE ITEMS BEFORE STARTING ERECTION/INSTALLATION AND CORRECT AS NEEDED

REVISE ESTOS PUNTOS ANTES DE EMPEZAR LA ERECCIÓN/INSTALACIÓN Y CORRÍJALOS CUANDO ES NECESARIO

- ✓ Building dimensions match the construction documents.
Las dimensiones del edificio concuerdan con los documentos de construcción.
- ✓ Bearing supports (e.g., walls, columns, headers, beams, etc.) are accurately and securely installed, plumb and properly braced.
Los soportes que sostienen cargas (ej., paredes, columnas, vigas de cabecera, vigas, etcétera) son instalados seguramente y con precisión, y son nivelados y arriostrados apropiadamente.
- ✓ Hangers, tie-downs, restraint and bracing materials are on site and accessible.
Los colgadores (hangers), soportes de anclaje (tie-downs) y materiales de restricción y arriostre están accesibles en la obra.
- ✓ Erection/installation crew is aware of installation plan and lateral restraint/diagonal bracing requirements.
El personal de erección/instalación es consciente del plan de instalación y los requisitos de restricción/arriostre.
- ✓ Multi-ply trusses, including girders, are correctly fastened together prior to lifting into place.
Los trusses de varias capas, incluyendo travesaños, son fijados juntos correctamente antes de levantarlos en lugar.
- ✓ Any truss damage is reported to truss manufacturer. Refer to BCSI-B5.***
Do not install damaged trusses unless instructed to do so by the building designer, truss designer or truss manufacturer.
Algún daño a los trusses ha sido reportado al fabricante de trusses. Vea el resumen BCSI-B5.*** No instale trusses dañados a menos que se dierejen el diseñador del edificio, el diseñador del truss o el fabricante del truss.

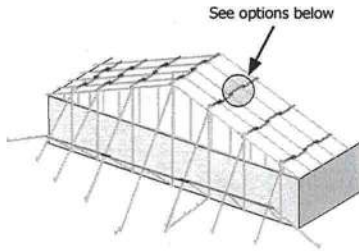
- ✓ Trusses are the correct dimension.
Los trusses son la dimensión correcta.
- ✓ Tops of bearing supports are flat, level and at the correct elevation.
La parte superior de los soportes de cojinete son planas, niveladas y a la elevación correcta.
- ✓ Jobsite is clean and neat, and free of obstructions.
La obra está limpia, ordenada y sin obstrucciones.

- ✓ Ground bracing procedure for first truss is based on site and building configuration.
El procedimiento de Arriostre de Tierra para el primer truss es basado en el terreno y la configuración del edificio.

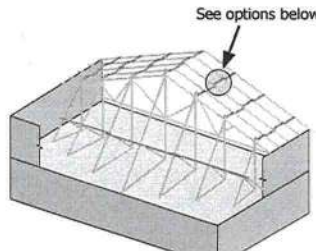


4. Set Trusses 2, 3, 4 & 5 with TCTLR in Line with Ground Bracing Coloque los Trusses 2, 3, 4 y 5 con TCTLR en Línea con los Arriostres de Tierra

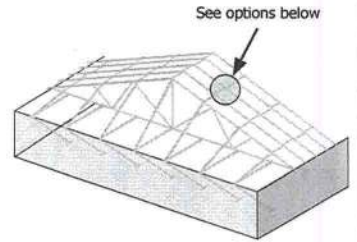
- ✓ Attach trusses securely at all bearings, shimming bearings as necessary. Examples of first five trusses set include:
Sujete seguramente los trusses a todos los soportes, rellenar sólidamente los soportes como sea necesario. Ejemplos de los primeros cinco trusses colocados incluyen:



EXTERIOR GROUND BRACING
ARRIOSTRE DE TIERRA EXTERIOR



INTERIOR GROUND BRACING
ARRIOSTRE DE TIERRA INTERIOR

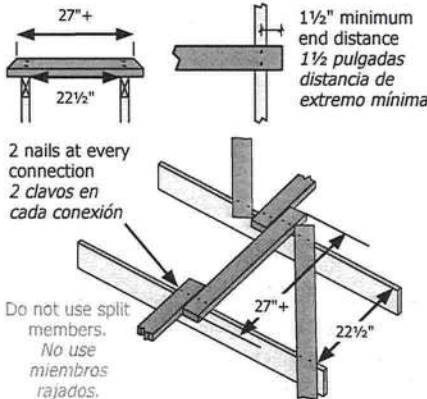


INTERIOR GROUND BRACING TO END WALL
ARRIOSTRE DE TIERRA INTERIOR A LA PARED DE EXTREMO

NOTICE The following three (3) Short Member Temporary Lateral Restraint options **require that the diagonal bracing be installed continuously.**
Las siguientes tres opciones para instalar la Restricción Lateral Temporal de los Miembros Cortos requieren que el arriostre diagonal está instalado continuamente.

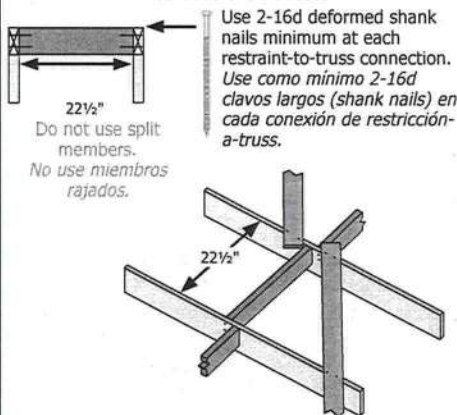
Option 1
Short member temporary lateral restraint installed on top of trusses

Opción 1
Restricción lateral temporal de los miembros cortos instalados encima de trusses



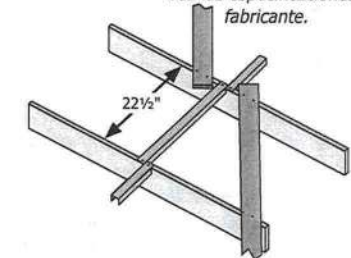
Option 2
Short member temporary lateral restraint installed between trusses

Opción 2
Restricción lateral temporal de los miembros cortos instalados entre trusses



Option 3
Proprietary metal restraint products*

Opción 3
Productos de metal para restricción patentados*
*These products are specifically designed to provide lateral restraint and are not just for spacing. See manufacturer's specifications.
*Estos productos son diseñados específicamente para proveer restricción lateral y no son solamente para espaciamento. Vea las especificaciones del fabricante.



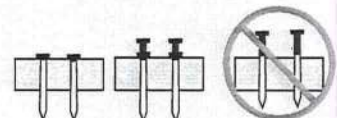
CAUTION! Each truss must be attached securely at each bearing and all TCTLR installed before removing the hoisting supports.

Cada truss tiene que ser sujeta en cada soporte y todas las TCTLR instaladas antes de quitar los soportes de levantar.

LATERAL RESTRAINT/BRACING MATERIAL AND CONNECTIONS CONNEXIONES Y MATERIALES DE RESTRICCIÓN/ARRIOSTRE LATERAL

- ✓ Minimum size of bracing and lateral restraint material is 2x4 stress-graded lumber or approved proprietary metal restraint/bracing, unless otherwise specified by the building designer.
El tamaño del material de restricción lateral y arriostre debe ser por lo menos 2x4 madera graduada por esfuerzo o restricción/arriostre de metal patentado aprobado, a menos que especifique el diseñador del edificio.
- ✓ All bracing and lateral restraint members must be connected to each truss with at least 2 nails (see minimum sizes shown below), except for the short member restraints shown in Step 4, Option 2 (see above), which require 2-16d deformed-shank (i.e., ring- or screw-shank) nails.
Todos los miembros de restricción lateral y arriostre tienen que ser conectados a cada truss con un mínimo de 2 clavos (ver los tamaños mínimos mostrados abajo) excepto para las restricciones de miembros cortos mostrados en el Paso 4, Opción 2 (vea arriba), cuales requieren 2-16d clavos con largos deformados (Ej. Largos de anillos o tornillos).
- ✓ Drive nails flush, or use double-headed nails for easiest removal.
Clave los clavos al raso, o use clavos de dos cabezas para quitarlos más fácilmente.

10d (0.128x3")
12d (0.128x3.25")
16d (0.131x3.5")



BCSI - B3 SUMMARY SHEET PERMANENT RESTRAINT/ BRACING OF CHORDS AND WEB MEMBERS

SPANS OVER 60' MAY REQUIRE COMPLEX PERMANENT BRACING. PLEASE ALWAYS CONSULT A PROFESSIONAL ENGINEER

- WARNING!** Disregarding Permanent Restraint/Bracing is a major cause of truss field performance problems and has been known to lead to roof or floor systems collapse.
ADVERTENCIA! Descuidar el Arrioste/Restricción Permanente es una causa principal de problemas de rendimiento del truss en campo y había conocido a llevar al derrumbamiento del sistema del techo o piso.
- CAUTION!** Spans over 60' may require complex permanent bracing. Please always consult a Registered Design Professional.
PRECAUCIÓN! Tramos sobre 60 pies pueden requerir arrioste permanente complejo. Por favor, siempre consulte a un Profesional Registrado de Diseño.

RESTRAINT/BRACING MATERIALS & FASTENERS MATERIALES Y CIERRES DE RESTRICCIÓN/ARRIOSTRE

- Common restraint/bracing materials include wood structural panels, gypsum board sheathing, stress-graded lumber, proprietary metal products, and metal purlins and straps.
Materiales comunes de arrioste/restringir incluyen paneles estructurales de madera, entablado de yeso, madera graduada por esfuerzo, productos de metal patentados, y vigas de soporte y tiras de metal.

MINIMUM ATTACHMENT REQUIREMENTS FOR LUMBER RESTRAINT/BRACING¹

Lumber Size	Minimum Nail Size	Minimum Number of Nails per Connection
2x4 stress-graded	10d (0.125x3") 12d (0.125x3.25") 16d (0.131x3.5")	2
2x6 stress-graded	10d (0.125x3") 12d (0.125x3.25") 16d (0.131x3.5")	3

¹ Other attachment requirements may be specified by the Truss Designer or Building Designer.

² The size and attachment for bracing materials such as wood structural panels, gypsum board sheathing, proprietary metal restraint/bracing products, and metal purlins and straps are provided by the Building Designer.

PERMANENT BRACING FOR THE VARIOUS PLANES OF A TRUSS ARRIOSTRE PERMANENTE PARA VARIOS PLANOS DE UN TRUSS

- Permanent Bracing is important because it,
a) prevents out-of-plane buckling of truss members,
b) helps maintain proper truss spacing, and
c) resists and transfers lateral loads from wind and seismic forces.

El arrioste Permanente es importante porque,

- a) impide el torcer fuera-de-plano de los miembros del truss,
b) ayuda en mantener espaciamento apropiado de los trusses, y
c) resiste y pasa las cargas laterales de viento y fuerzas sísmicas aplicadas al sistema del truss.

- Trusses require Permanent Bracing within ALL of the following planes:

1. Top Chord Plane
2. Bottom Chord Plane
3. Web Member Plane

Trusses requieren Arrioste Permanente dentro de TODOS los siguientes planos:

1. Plano de la Cuerda Superior
2. Plano de la Cuerda Inferior
3. Plano del Miembro Secundario

- CAUTION!** Without Permanent Bracing the truss, or a portion of its members, will buckle (i.e., fail) at loads far less than design.

PRECAUCIÓN! Sin el Arrioste Permanente, del truss, o un parte de los miembros, torcerán (ej. fallarán) de cargas muchas menos que las cargas que el truss es diseñado a llevar.

1. PERMANENT BRACING FOR THE TOP CHORD PLANE

1. ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA SUPERIOR

- Use plywood, oriented strand board (OSB), or wood or metal structural purlins that are properly braced.
Use contrachapado, panel de fibras orientadas (OSB), o vigas de soporte de madera o metal que son arriostros apropiadamente.

- The Truss Design Drawing (TDD) provides information on the assumed support for the top chord.
El Dibujo del Diseño de Truss (TDD) provee información sobre el soporte supuesto para la cuerda superior.

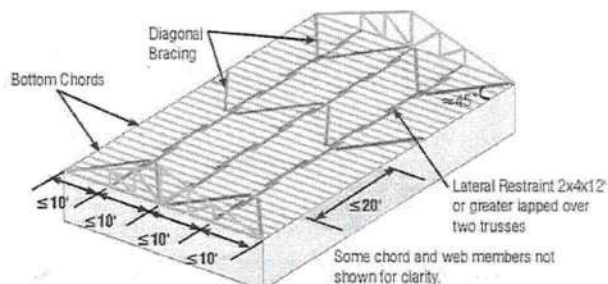
- Fastener size and spacing requirements and grade for the sheathing, purlins and bracing are provided in the building code and/or by the Building Designer.
El tamaño de cierre y requisitos de espaciamento y grado para el entablado, vigas de soporte y arrioste son provistos en el código del edificio y/o por el Diseñador del Edificio.

2. PERMANENT BRACING FOR THE BOTTOM CHORD PLANE

2. ARRIOSTRE PERMANENTE PARA EL PLANO DE LA CUERDA INFERIOR

- Use rows of continuous Lateral Restraint with Diagonal Bracing, gypsum board sheathing or rigid ceiling.
Use filas de Restricción Lateral Continua con Arrioste Diagonal, entablado de yeso o techo rígido.

- The TDD provides information on the assumed support for the bottom chord.
El TDD provee información sobre el soporte supuesto para la cuerda inferior.
- Install bottom chord permanent Lateral Restraint at the spacing indicated on the TDD and/or by the Building Designer with a maximum of 10' on center.
Instale Restricción Lateral permanente de la cuerda inferior al espaciamento indicado en el TDD y/o por el Diseñador del Edificio con un máximo de 10 pies en el centro.



Lateral Restraint and Diagonal Bracing used to brace the Bottom Chord Plane.

3. PERMANENT BRACING FOR THE WEB MEMBER PLANE

3. ARRIOSTRE PERMANENTE PARA EL PLANO DEL MIEMBRO SECUNDARIO

- Web Member Permanent Bracing collects and transfers buckling restraint forces and/or lateral loads from wind and seismic forces. The same bracing can often be used for both functions.
Arrioste Permanente de los Miembros Secundarios recogen y pasan fuerzas de restricción de torcer y/o cargas laterales de viento y fuerzas sísmicas. A menudo el mismo arrioste puede ser usado para ambas funciones.

Individual Web Member Permanent Restraint & Bracing Restricción y Arrioste Permanente de Miembros Secundarios Individuales

- Check the TDD to determine which web members (if any) require restraint to resist buckling.
Revisa el TDD para determinar cuales miembros secundarios (si algunos) requieren restricción para resistir el torcer.

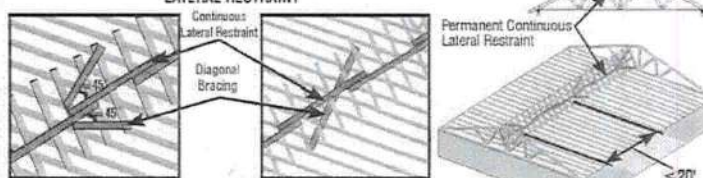
- Restrain and brace with,
A. Continuous Lateral Restraint & Diagonal Bracing, or
B. Individual Member Web Reinforcement.
Restrinja y arrioste con,
A. Restricción Lateral Continua y Arrioste Diagonal, o
B. Refuerzo de Miembros Secundarios Individuales.

A. Continuous Lateral Restraint (CLR) & Diagonal Bracing

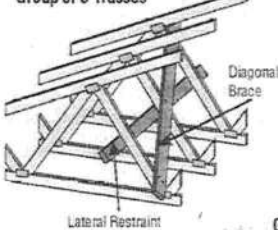
A. Restricción Lateral Continua (CLR) y Arrioste Diagonal

- Attach the CLR at the locations shown on the TDD.
Sujete el CLR en las ubicaciones mostrados en el TDD.
- Install the Diagonal Bracing at approximately 45° to the CLR and position so that it crosses the web in close proximity to the CLR. Attach the Diagonal Bracing as close to the Top and Bottom Chords as possible and to each web it crosses. Repeat every 20' or less.
Instale el Arrioste Diagonal a aproximadamente 45 grados al CLR y lo coloque para que cruce la cuerda muy cerca del CLR. Sujete el Arrioste Diagonal como cercano a las cuerdas inferior y superior como sea posible y a cada cuerda que lo cruza. Repita cada 20 pies o menos.

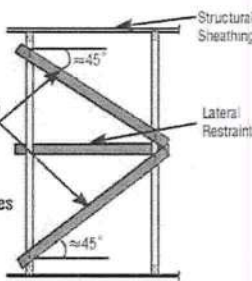
EXAMPLES OF DIAGONAL BRACING WITH CONTINUOUS LATERAL RESTRAINT



Group of 3 Trusses



Group of 2 Trusses



Note: Some chord and web members not shown for clarity.

RESTRICCIÓN / ARRIOSTRE PERMANENTE DE LAS CUERDAS Y LOS MIEMBROS SECUNDARIOS

TRAMOS DE 60' PIES PUEDEN REQUERIR ARRIOSTRE PERMANENTE COMPLEJO. POR FAVOR, SIEMPRE CONSULTE A UN PROFESIONAL DE DISEÑO REGISTRADO.

B4 Construction Loading Cargas de Construcción



Construction loads are those loads imposed on the unfinished building as a result of the construction process. Typical construction loads include the weight of the workers, equipment, and building materials, to name a few. For example, a bundle of plywood sheathing or gypsum board stacked on trusses temporarily creates construction loads.

Cargas de construcción son las cargas que están impuestas a los edificios incompletos como resultado del proceso de construcción. Cargas de construcción típicas incluyen el peso de los trabajadores, el equipo y los materiales de construcción, etcétera. Por ejemplo, un paquete de entablado contrachapado o tabla de yeso apilados temporalmente sobre los trusses crean cargas de construcción.

- ✓ Make sure that the truss assembly is properly restrained and braced according to the guidelines in **BCSI-B1** and **BCSI-B2** before placing any construction loads on them. Construction loads shall only be placed on fully restrained and braced structures.

Asegúrese que el montaje del truss está adecuadamente restringido y arriostrado según las pautas en BCSI-B1 y BCSI-B2 antes de colocar alguna carga de construcción en la estructura. Solamente coloquen cargas de construcción arriba de estructuras cuales son restringidos y arriostrados completamente.

- ⚠ **WARNING!** Stacking excessive amounts of construction materials on floor or roof trusses is an unsafe practice. Property damage, personal injury and/or death are possible if this warning is not heeded.

¡ADVERTENCIA! Apilando cantidades excesivas de cargas de construcción sobre trusses de piso u techo es una práctica peligrosa. Daño a la propiedad, herida personal y/o muerte son posibles si no sigue esta advertencia.

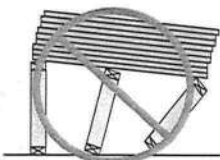
- NOTICE** Trusses that have been over-stressed due to excessive construction loading will usually show excessive sagging (deflection) and at least a portion of this deflection will remain even after the load has been removed. In more severe cases, broken truss members and/or failed truss joints may result.

Los trusses que han sido demasiado estresados debido a cargas de construcción excesivas usualmente demuestran una desviación excesiva, y por lo menos una parte de este desviación se quedarán aún después de que la carga se haya quitada. En casos más severos, miembros quebrados del truss y/o juntas falladas pueden resultar.

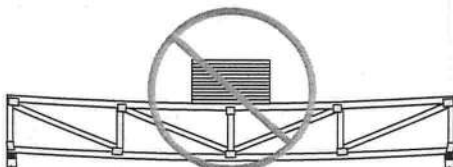
CONSTRUCTION LOADING DO'S AND DON'TS QUE HACER Y NO HACER CON LAS CARGAS DE CONSTRUCCIÓN

- ⊘ **DON'T** stack materials on unbraced trusses.

NO amontone materiales sobre trusses que no estén arriostrados.



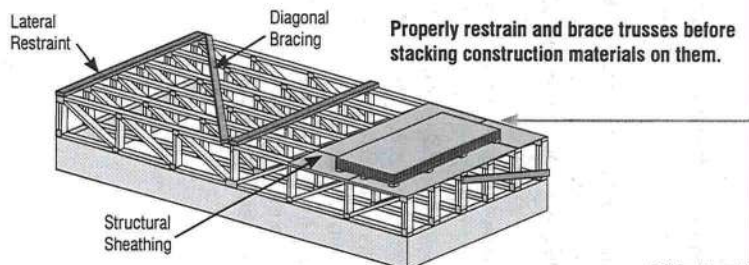
- ⊘ **DON'T** overload the trusses.
NO sobrecargue los trusses.



- ⊘ **DON'T** exceed stack heights listed in the table.
NO exceda la altura de montón indicada en la tabla que sigue.

Maximum Stack Height for Material on Trusses Maximua Altura de Montón para Material encima de los Trusses	
Material – Material	Height – Altura
Gypsum Board – Tabla de Yeso	12" – 12 pulgadas
Plywood or OSB – Madera Contrachapada u OSB	16" – 16 pulgadas
Asphalt Shingles – Teja de Asfalto	2 bundles – 2 paquetes
Concrete Block – Bloque de Hormigón	8" – 8 pulgadas
Clay Tile – Teja de Arcilla	3-4 tiles – 3-4 azulejos

Note: Limit stacking periods to approximately one week, unless alternative information is provided by the Building Designer, Truss Designer or Truss Manufacturer.



B4ConstLoad 090520

General detail for repair of broken, damaged or cut chords of PC42 floor trusses that meet the following conditions.

- * Chord size must be maximum 4x2 and southern pine species.
- * Scab must be at minimum the same size and grade as broken chord. Wide face of scab must be attached to narrow face of chord member.
- * Truss must be single ply.
- * No more than two broken or cracked chords per truss.
- * Perimeter of break area must be minimum of X distance from end of truss.
- * and minimum of 4" away from any plates at panel points. All plates must be intact and fully embedded.

C = Maximum length of damaged area or cut section not to exceed 12".

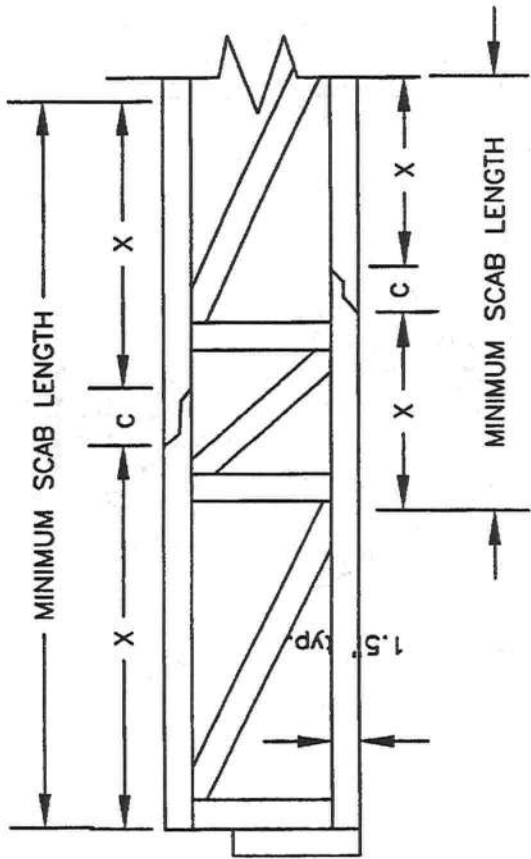
S = Overall length of scab member must be equal or greater than 2(X)+C.

X = Minimum length of scab member at each end of break area.

Refer to following table for minimum length of scab, and minimum number of nails at each end of break area and maximum axial force of broken member.

For all lumber, plates, web bracing, etc. refer to original drawing sealed by Robbins Engineering Inc.

- 1) Apply all nails so as to avoid damaging of lumber and loosening of plates at joints.
- 2) Attach the scab with one row of 10d common nails at 3" on center into 4x2 chord members. Axial force and number of nails may be doubled or X distance divided by 2, if scabs applied to each face of truss at the same location. Minimum end distance of 3" must be provided for all members.



TOTAL NUMBER OF NAILS AT EACH END OF BREAK	X (INCHES)	MAXIMUM AXIAL FORCE IN CHORD MEMBER (LBS.)
4	18	512
6	24	768
8	30	1024
10	36	1280
12	42	1536
14	48	1792
16	54	2048
18	60	2304
20	66	2560
22	72	2816
24	78	3072

Truss manufacturer must be notified if field conditions do not match this general detail.

ROBBINS
Engineering Inc.

P.O. Box 2800055, Tampa, FL 33682

ROBBINS LOCK connector plates (20 ga. galv. steel-ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates, unless otherwise indicated by circles (ø) or dimensions. Unless otherwise indicated by a "V", all slots in plates run parallel with the chords or horizontally at the peak and / or heel. No loose knots or wires in plate contact area. Splice only where shown. Overall splices around 4" bearings at each end, unless otherwise indicated. All joints shall be made with approved steel plates which produce non-splitting joints. The design was prepared in accordance with "National Design Specifications for Light Metal Truss and its Fastenings" (NTPA), "Design Specifications for Light Metal Truss Connected Wood Trusses" (TWP), and HUD Design Criteria for Trussed Roofs.

FURNISH A COPY OF THIS DESIGN TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FAB. TO REVIEW THIS DRAWING & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS LAYOUTS.

Robbins Mfg. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to 198-91 as published by the Truss Plate Institute, 5833 D'Oroville Drive, Suite 200, Madison, Wisconsin 53719. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent twisting and warping. Care should be taken to insure proper erection, bracing, and fastening. 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 the design loads utilized on this drawing 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.

Designed By: MG

Checked By: TAA

Rev. Date: 5/17/04

Dwg. No: GD-62-FL



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