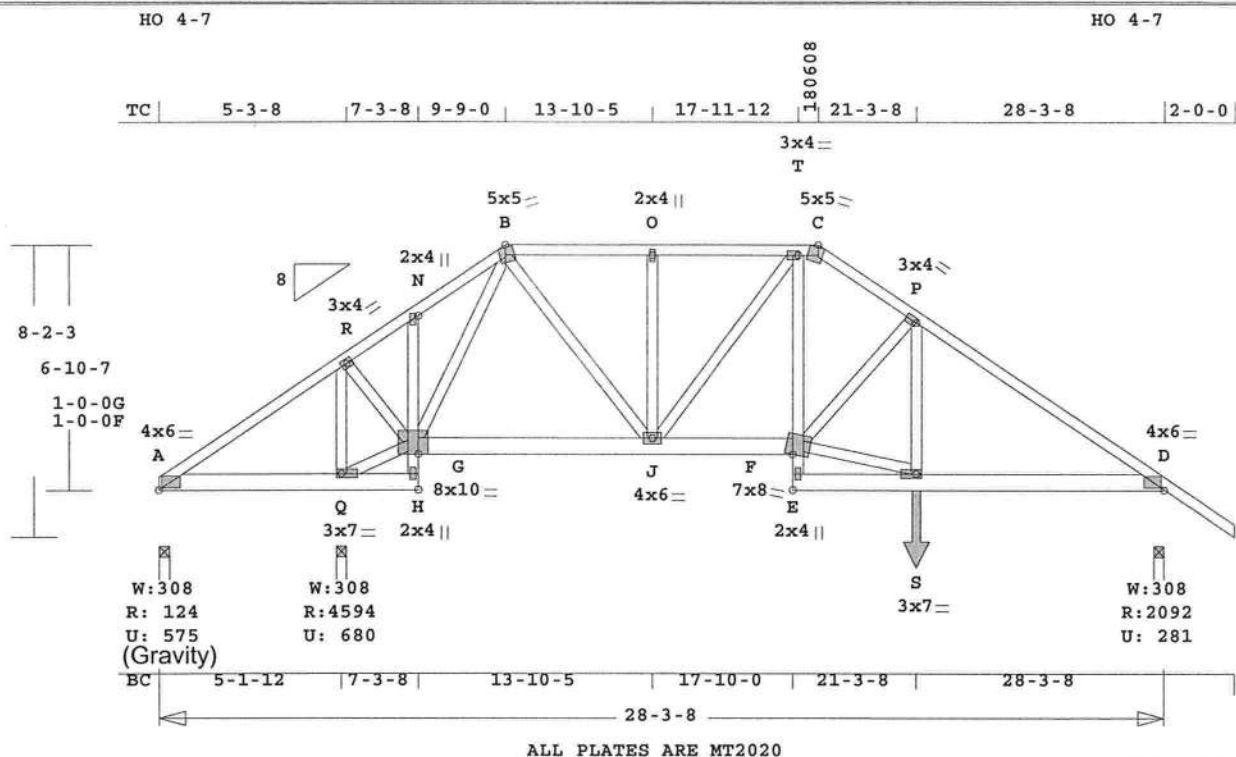


Job ELIXSON-SPEC	Mark B1	Quan 1*2P	Type SP	Span 280308	Pl-Hl 8	Left OH 0	Right OH 2- 0- 0	Engineering T2870156
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 248.2 LBS

Online Plus -- Version 21.5.049
 RUN DATE: 25-JAN-08

 * 2-Ply Truss *

CSI	Size	Lumber
TC	0.45	2x 4 SP-#2
BC	0.50	2x 6 SP-#2
CW	0.41	2x 4 SP-#2
WB	0.24	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	28- 3- 8
BC Cont.	0- 0- 0	28- 3- 8

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	125	575	141
Q	4594	681	U
D	2092	281	U
G	= Gravity Uplift		

Jt	Brg Size	Required
A	3.5"	1.5"
Q	3.5"	2.4"
D	3.5"	1.5"

LC# 1 Standard Loading

Dur Fctrs	Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	28.3'
BC V	20	0	0.0'	28.3'
BC V	33	33	0.0'	5.0'
BC V	99	99	5.0'	20.2'
BC V	192	192	21.3'	CL-LB

Plus 9 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 - R	0.25	1522	T	0.14 0.11
R - N	0.11	528	C	0.00 0.11
N - B	0.27	675	C	0.00 0.27
B - O	0.27	2500	C	0.01 0.26
O - T	0.45	2500	C	0.01 0.44
T - C	0.43	2446	C	0.01 0.42
C - P	0.33	2885	C	0.01 0.32
P - D	0.28	3039	C	0.05 0.23
-----Bottom Chords-----				

A	Q	0.21	1260	C	0.00	0.21
Q	H	0.21	433	C	0.00	0.21
G	J	0.41	1196	T	0.07	0.34
J	F	0.50	2453	T	0.16	0.34
E	S	0.09	125	T	0.00	0.09
S	D	0.25	2517	T	0.16	0.09
-----Chord-Webs-----						
H	G	0.41	53	T	0.00	0.41
G	N	0.19	323	C	0.00	0.19
E	F	0.15	313	T	0.02	0.13
F	T	0.15	1355	T	0.12	0.03
-----Webs-----						
Q	R	0.17	3379	C		
Q	G	0.04	963	C		
R	G	0.24	2654	T		
G	B	0.11	1584	C		
B	J	0.19	2108	T		
J	O	0.02	337	C		
J	T	0.00	104	T		
F	P	0.01	221	C		
S	P	0.23	2499	T		
F	S	0.01	130	T		

TL Defl -0.12" in G - J L/999
 LL Defl -0.06" in G - J L/999
 Shear // Grain in T - C 0.93

Plates for each ply each face.

Plate	MT20	20 Ga	Gross Area
Plate	MT2H	20 Ga	Gross Area
Jt Type	Plt Size	X	Y
A	MT20	4.0x 6.0	Ctr Ctr 0.60
R	MT20	3.0x 4.0	Ctr Ctr 0.99
N	MT20	2.0x 4.0	Ctr Ctr 0.13
B	MT20	5.0x 5.0	0.5-3.4 0.84
O	MT20	2.0x 4.0	Ctr Ctr 0.40
T	MT20	3.0x 4.0	Ctr Ctr 0.48
C	MT20	5.0x 5.0	0.9-3.1 0.57
P	MT20	3.0x 4.0	Ctr Ctr 0.72
D	MT20	4.0x 6.0	Ctr Ctr 0.60
Q	MT20	3.0x 7.0	Ctr Ctr 0.43
H	MT20	2.0x 4.0	Ctr Ctr 0.91
G	MT20	8.0x10.0	Ctr 1.2 0.57
J	MT20	4.0x 6.0	Ctr Ctr 0.79
F	MT20	7.0x 8.0	0.1 0.4 0.57
E	MT20	2.0x 4.0	Ctr Ctr 0.91
S	MT20	3.0x 7.0	Ctr Ctr 0.82

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

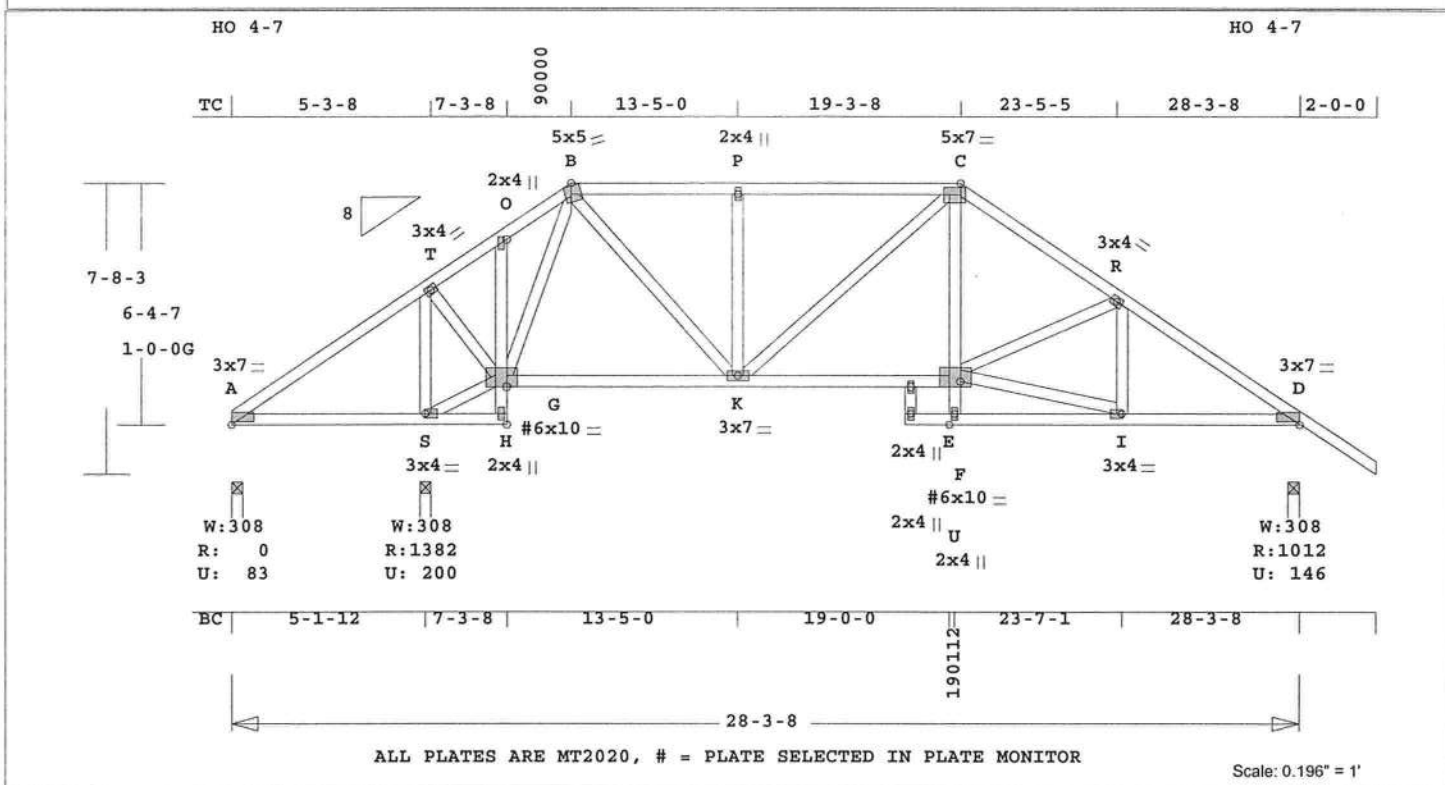
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 2 COMPLETE TRUSSES REQUIRED.

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 1 12 24 0
 BC 2 12 24 0
 WB 1 8 8
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 User-defined wind-exposed BC
 regions --From-- --To--
 0- 0- 0 5-1-12
 Max comp. force 3379 Lbs
 Max tens. force 2654 Lbs
 Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

Job ELIXSON-SPEC	Mark B2	Quan 1	Type SP	Span 280308	Pl-H1 8	Left OH 0	Right OH 2- 0- 0	Engineering T2870157
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 224.0 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.28 2x 4 SP-#2
BC 0.29 2x 4 SP-#2
CW 0.13 2x 4 SP-#2
WB 0.19 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 28- 3- 8
BC Cont. 0- 0- 0 28- 3- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 83 U 132 R
S 1382 200 U
D 1013 147 U 132 R

Jt Brg Size Required
A 3.5" 1.5"
S 3.5" 1.5"
D 3.5" 1.5"

Plus 9 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 -T 0.28 309 T 0.06 0.22
T -O 0.22 265 C 0.00 0.22
O -B 0.14 279 C 0.00 0.14
B -P 0.28 867 C 0.00 0.28
P -C 0.28 867 C 0.00 0.28
C -R 0.20 1104 C 0.00 0.20
R -D 0.17 1228 C 0.05 0.12
---Bottom Chords---
A -S 0.17 248 C 0.00 0.17
S -H 0.16 75 C 0.00 0.16
G -K 0.23 395 T 0.03 0.20
K -F 0.29 922 T 0.09 0.20
U -I 0.11 28 C 0.00 0.11
I -D 0.22 1019 T 0.17 0.05
---Chord-Webs---
= Plate Monitor used

H -G 0.13 56 T 0.00 0.13
G -O 0.06 126 C 0.00 0.06
F -C 0.12 388 T 0.06 0.06
U -F 0.05 72 T 0.01 0.04

---Webs---
S -T 0.19 1125 C
S -G 0.02 240 C
T -G 0.13 709 T
G -B 0.18 532 C
B -K 0.12 696 T
K -P 0.10 334 C
K -C 0.06 88 C
F -R 0.05 205 C
F -I 0.19 1030 T
I -R 0.01 129 C

TL Defl -0.03" in A -S L/999
LL Defl -0.01" in A -S L/999
Shear // Grain in P -C 0.24

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 7.0 1.0 0.7 0.82
T MT20 3.0x 4.0 Ctr Ctr 0.72
O MT20 2.0x 4.0 Ctr Ctr 0.22
B MT20 5.0x 5.0 0.5-3.4 0.85
P MT20 2.0x 4.0 Ctr Ctr 0.40
C MT20 5.0x 7.0 Ctr-0.2 0.86
R MT20 3.0x 4.0 Ctr Ctr 0.72
D MT20 3.0x 7.0-1.0 0.7 0.82
S MT20 3.0x 4.0 Ctr Ctr 0.60
H MT20 2.0x 4.0 Ctr Ctr 0.58
G# MT20 6.0x10.0 0.1 1.2 0.58
K MT20 3.0x 7.0 Ctr Ctr 0.53
F# MT20 6.0x10.0 0.3 0.5 0.60
U MT20 2.0x 4.0 Ctr Ctr 0.58
I MT20 3.0x 4.0 Ctr Ctr 0.82

= Plate Monitor used
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

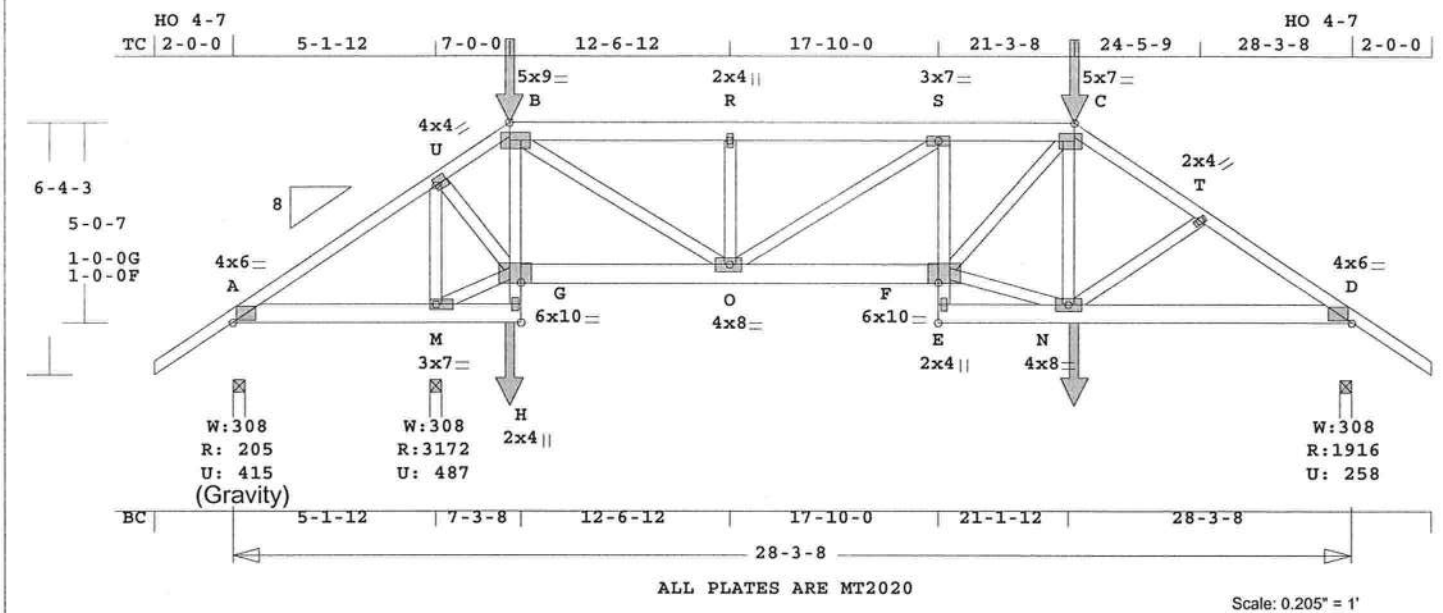
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading

Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 5- 1-12
Max comp. force 1228 Lbs
Max tens. force 1030 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Job ELIXSON-SPEC	Mark B3	Quan 1	Type SP	Span 280308	Pl-Hl 8	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T2870158
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ELIXSON-SPEC



Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

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

TC	0.51	2x 4	SP-#2
--	0.31	2x 6	SP-#2
B -C			
BC	0.59	2x 6	SP-#2
CW	0.23	2x 4	SP-#2
WB	0.47	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	28- 3- 8	
BC Cont.	0- 0- 0	28- 3- 8	

psf-Ld Dead Live

TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	205	416	99 R
M	3172	488	U
D	1916	258	101 R

G = Gravity Uplift

Jt	Brg Size	Required
A	3.5"	1.5"
M	3.5"	3.4"
D	3.5"	2.3"

LC# 1 Standard Loading

Dur Fctrs	- Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	28.3'
BC V	20	0	0.0'	28.3'
TC V	25	50	7.0'	21.3'
BC V	25	0	7.0'	21.3'
TC V	75	75	7.0'	CL-LB
TC V	121	121	21.3'	CL-LB
BC V	57	57	7.0'	CL-LB
BC V	174	174	21.3'	CL-LB

Plus 9 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 -U	0.51	994	T 0.19 0.32
U -B	0.33	523	C 0.00 0.33
B -R	0.31	2600	C 0.02 0.29

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 250.0 LBS

R -S	0.31	2600	C	0.02	0.29
S -C	0.23	3235	C	0.03	0.20
C -T	0.23	2682	C	0.05	0.18
T -D	0.18	2835	C	0.13	0.05
-----Bottom Chords-----					
A -M	0.21	816	C	0.00	0.21
M -H	0.21	111	C	0.00	0.21
G -O	0.19	412	T	0.05	0.14
O -F	0.59	3247	T	0.43	0.16
E -N	0.07	73	T	0.00	0.07
N -D	0.40	2353	T	0.31	0.09
-----Chord-Webs-----					
H -G	0.23	68	T	0.00	0.23
G -B	0.17	1575	C	0.07	0.10
E -F	0.16	73	T	0.01	0.15
F -S	0.09	232	T	0.00	0.09
-----Webs-----					
M -U	0.41	2572	C		
M -G	0.08	788	C		
U -G	0.33	1821	T		
B -O	0.47	2581	T		
O -R	0.11	709	C		
O -S	0.38	775	C		
F -C	0.26	1458	T		
F -N	0.42	2278	T		
N -C	0.02	122	T		
N -T	0.03	167	C		

TL Defl -0.20" in O -F L/999
LL Defl -0.09" in O -F L/999
Shear // Grain in B -R 0.30

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

Jt Type	Plt Size	X	Y	JSI
A MT20	4.0x 6.0	Ctr	Ctr	0.60
U MT20	4.0x 4.0	0.4	0.3	0.93
B MT20	5.0x 9.0	Ctr	Ctr	0.91
R MT20	2.0x 4.0	Ctr	Ctr	0.40
S MT20	3.0x 7.0	Ctr	Ctr	0.40
C MT20	5.0x 7.0	0.5	Ctr	0.91
T MT20	2.0x 4.0	Ctr	Ctr	0.40
D MT20	4.0x 6.0	Ctr	Ctr	0.65
M MT20	3.0x 7.0	Ctr	Ctr	0.52
H MT20	2.0x 4.0	Ctr	Ctr	0.91
G MT20	6.0x10.0	Ctr	0.2	0.76
O MT20	4.0x 8.0	0.5	Ctr	0.83
F MT20	6.0x10.0	Ctr	0.2	0.57
E MT20	2.0x 4.0	Ctr	Ctr	0.91
N MT20	4.0x 8.0	Ctr	Ctr	0.87

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 5- 1-12
Max comp. force 3235 Lbs
Max tens. force 3247 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

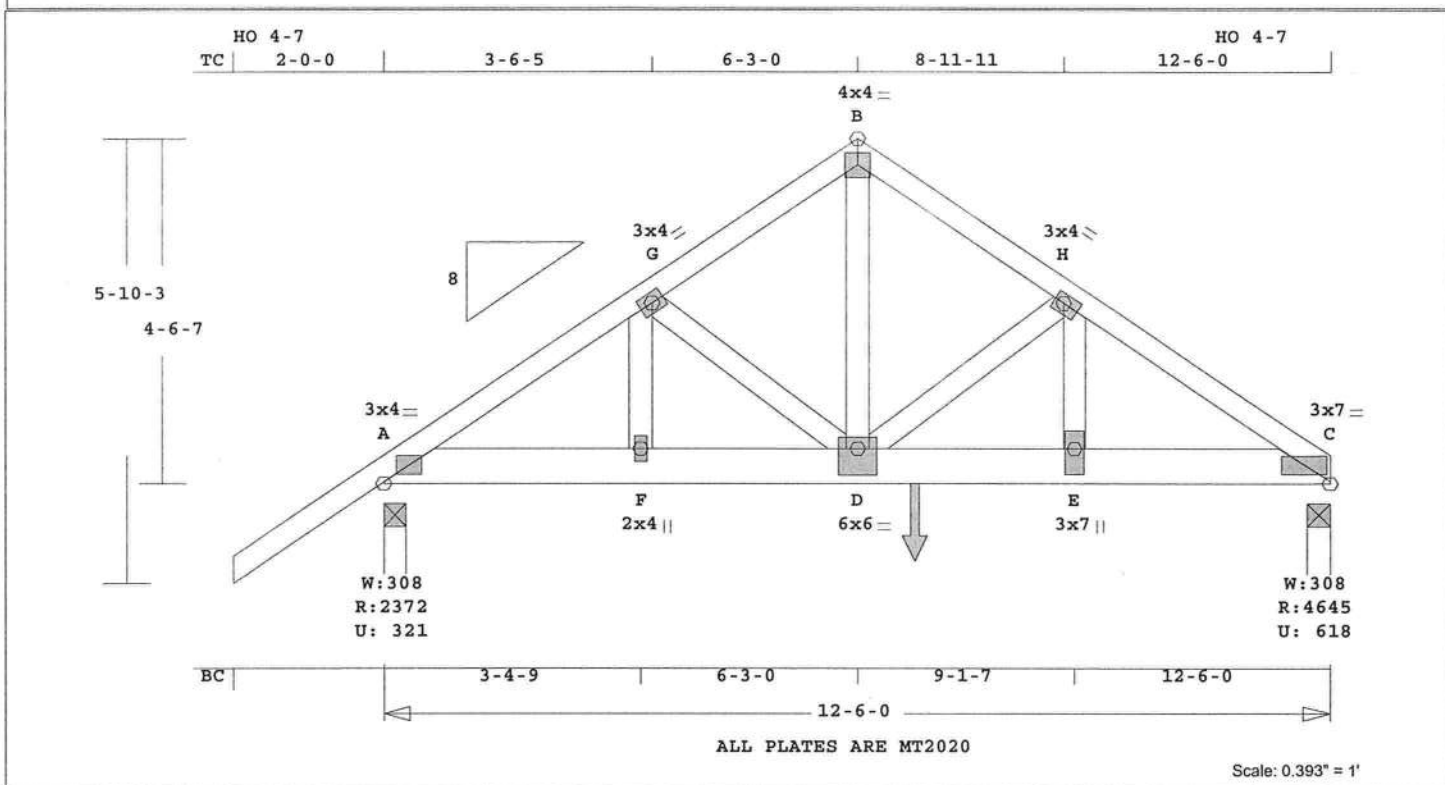
ELIXSON-SPEC

Scale: 0.393" = 1'

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Job ELIXSON-SPEC	Mark C2	Quan 1*2P	Type TR	*Span 120600	Pl-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870160
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 95.5 LBS

Online Plus -- Version 21.5.049

RUN DATE: 25-JAN-08

* 2-Ply Truss *

CSI -Size- ---Lumber---

TC 0.20 2x 4 SP-#2

BC 0.84 2x 6 SP-#2

WB 0.35 2x 4 SP-#2

Brace truss as follows:

O.C. From To

TC Cont. 0- 0- 0 12- 6- 0

BC Cont. 0- 0- 0 12- 6- 0

psf-Ld Dead Live

TC 10.0 20.0

BC 10.0 0.0

TC+BC 20.0 20.0

Total 40.0 Spacing 24.0"

Lumber Duration Factor 1.25

Plate Duration Factor 1.25

TC Fb=1.00 Fc=1.00 Ft=1.00

BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt Down Uplift Horiz

A 2373 321 U 82 R

C 4645 619 U 83 R

Jt Brg Size Required

A 3.5" 1.5"

C 3.5" 2.7"

LC# 1 Standard Loading

Dur Fctrs - Lbr 1.25 Plt 1.25

plf - Dead Live* From To

TC V 20 40 0.0' 12.5'

BC V 20 0 0.0' 12.5'

BC V 350 350 8.0' 12.5'

BC V 1370 1370 7.0' CL-LB

Plus 9 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 -G 0.10 3562 C 0.08 0.02

G -B 0.11 3703 C 0.09 0.02

B -H 0.11 3704 C 0.09 0.02

H -C 0.20 5937 C 0.08 0.12

-----Bottom Chords-----

A -F 0.30 2953 T 0.19 0.11

F -D 0.48 2953 T 0.19 0.29

D -E 0.84 4950 T 0.33 0.51

E -C 0.60 4950 T 0.33 0.27

-----Webs-----

F -G 0.01 314 C

G -D 0.01 238 T

D -B 0.35 3881 T

D -H 0.11 2342 C

E -H 0.23 2570 T

TL Defl -0.07" in F -D L/999

LL Defl -0.03" in F -D L/999

Shear // Grain in D -E 0.93

Plates for each ply each face.

Plate - MT20 20 Ga, Gross Area

Plate - MT2H 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A MT20 3.0x 4.0 Ctr Ctr 0.82

G MT20 3.0x 4.0 Ctr Ctr 0.52

B MT20 4.0x 4.0 Ctr Ctr 0.82

H MT20 3.0x 4.0 0.4-0.3 0.80

C MT20 3.0x 7.0 Ctr Ctr 0.78

F MT20 2.0x 4.0 Ctr Ctr 0.38

D MT20 6.0x 6.0 Ctr-1.2 0.79

E MT20 3.0x 7.0 Ctr-0.6 0.51

REVIEWED BY:

Robbins Engineering, Inc.

6904 Parke East Blvd.

Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

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 1 12 24 0

BC 2 10.5 20 0

WB 1 8 8

Plus clusters of nails where

shown.

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 5937 Lbs

Max tens. force 4950 Lbs

Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126

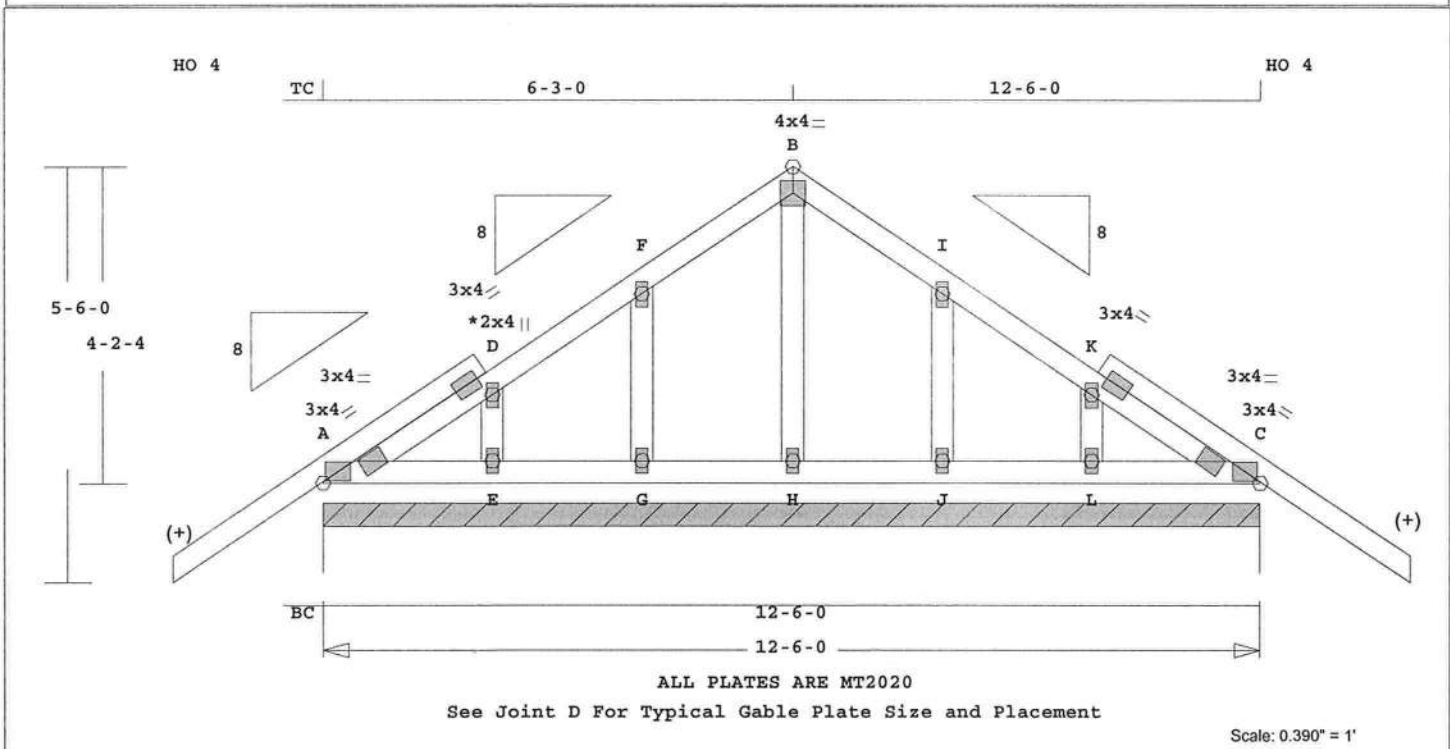
Robbins Engineering

6904 Parke East Blvd

Tampa, FL, 33610

FL Cert.#5555

Job ELIXSON-SPEC	Mark C3GA	Quan 1	Type TR	*Span 120600	Pl-Hl 8	Left OH 0	Right OH 0	Engineering T2870161
ELIXSON-SPEC								



Online Plus -- Version 21.5.049
 RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
 TC 0.03 2x 4 SP-#2 (+)
 BC 0.02 2x 4 SP-#2
 GW 0.01 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 12- 6- 0
 BC Cont. 0- 0- 0 12- 6- 0

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 1000 133 U 76 R

Jt Brg Size Required
 A 150.0" 0"-to- 150"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 A -D 0.03 43 C 0.00 0.03
 D -F 0.03 55 C 0.00 0.03
 F -B 0.03 95 C 0.00 0.03
 B -I 0.03 95 C 0.00 0.03
 I -K 0.03 55 C 0.00 0.03
 K -C 0.03 43 C 0.00 0.03
 -----Bottom Chords-----
 A -E 0.02 8 T 0.00 0.02
 E -G 0.02 0 T 0.00 0.02

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 88.1 LBS

G -H 0.02 0 T 0.00 0.02
 H -J 0.02 0 T 0.00 0.02
 J -L 0.02 0 T 0.00 0.02
 L -C 0.02 8 T 0.00 0.02

-----Gable Webs-----
 E -D 0.01 132 C
 G -F 0.01 129 C
 H -B 0.00 50 C
 J -I 0.01 129 C
 L -K 0.01 132 C

TL Defl 0.00" in A -E L/999
 LL Defl 0.00" in A -E L/999
 Shear // Grain in A -D 0.07

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 4.0 Ctr Ctr 0.61
 D MT20 2.0x 4.0 Ctr Ctr 0.00
 F MT20 2.0x 4.0 Ctr Ctr 0.00
 B MT20 4.0x 4.0 Ctr Ctr 0.52
 I MT20 2.0x 4.0 Ctr Ctr 0.00
 K MT20 2.0x 4.0 Ctr Ctr 0.00
 C MT20 3.0x 4.0 Ctr Ctr 0.61
 E MT20 2.0x 4.0 Ctr Ctr 0.00
 G MT20 2.0x 4.0 Ctr Ctr 0.00
 H MT20 2.0x 4.0 Ctr Ctr 0.00
 J MT20 2.0x 4.0 Ctr Ctr 0.00
 L MT20 2.0x 4.0 Ctr Ctr 0.00

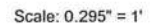
REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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

FBC2004
 WARNING Do Not Cut overframe
 member between outside of
 truss and first tie-plate
 to inside of heel plate.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Refer to Gen Det 3 series for
 web bracing and plating.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 132 Lbs
 Max tens. force 113 Lbs
 Quality Control Factor 1.25

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 Robbins Engineering
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 Tampa, FL, 33610
 FL Cert.#5555

ELIXSON-SPEC

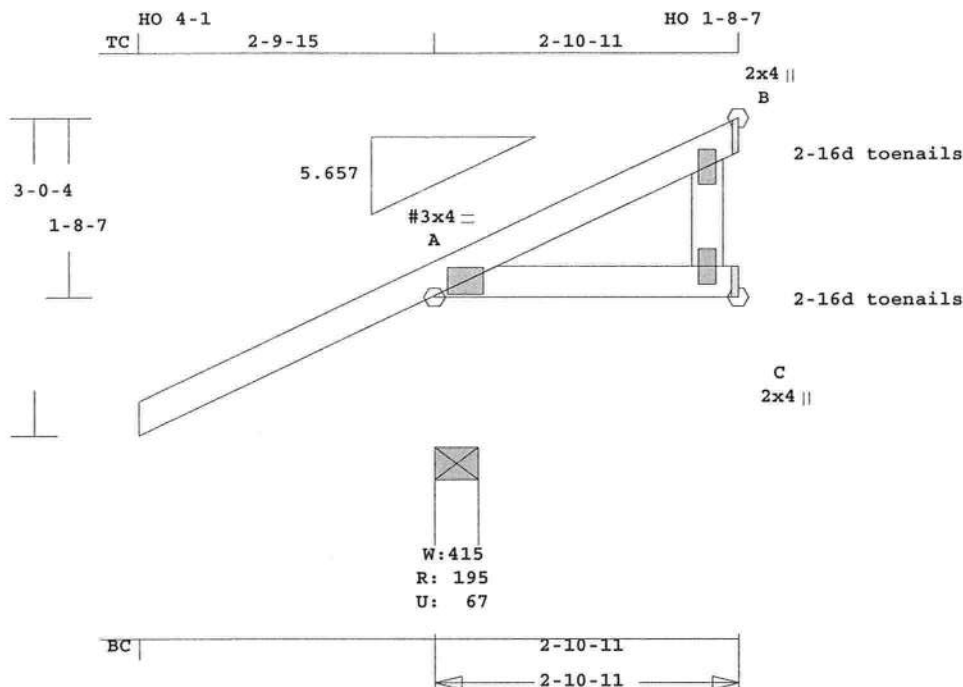
Plus 1 UBC LL Load Case(s)

Design checked for 10 psf non-

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Tampa, FL, 33610
FL Cert #5555

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ELIXSON-SPEC	CJ3	1	MONO.DD	21011	5.657	2- 9-15	0	T2870164

ELIXSON-SPEC



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

Scale: 0.544" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 19.6 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

	CSI	-Size-	-----Lumber----
TC	0.01	2x 4	SP-#2
BC	0.01	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	2-10-11
BC	Cont.	0- 0- 0	2-10-11

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.00	Fc=1.00	Ft=1.00
BC Fb=1.00	Fc=1.00	Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	196	68 U	42 R
C	15		
B	21	4 U	22 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

LC# 1 Girder Loading

Dur Fctrs	- Lbr	1.25	Plt	1.25
plf - Dead	Live*	From	To	
TC V	20	40	0.0'	2.9'
BC V	20	0	0.0'	2.9'
TC V	-20	-40	0.0'	
	-13	-26		2.9'
BC V	-20	0	0.0'	
	-13	0		2.9'

Plus 7 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	0.01	18	C	0.00	0.01
-----Bottom Chords-----					
A -C	0.01	36	T	0.00	0.01
-----Webs-----					
C -B	0.00	0	T	WindLd	

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

Plates for each ply each face.

Plate	- MT20	20 Ga,	Gross Area
Plate <td>- MT2H</td> <td>20 Ga, <td>Gross Area</td> </td>	- MT2H	20 Ga, <td>Gross Area</td>	Gross Area
Jt Type	Plt Size	X	Y JSI
A#	MT20	3.0x 4.0	Ctr Ctr 0.52
B	MT20	2.0x 4.0	Ctr Ctr 0.38
C	MT20	2.0x 4.0	Ctr Ctr 0.38

= Plate Monitor used
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

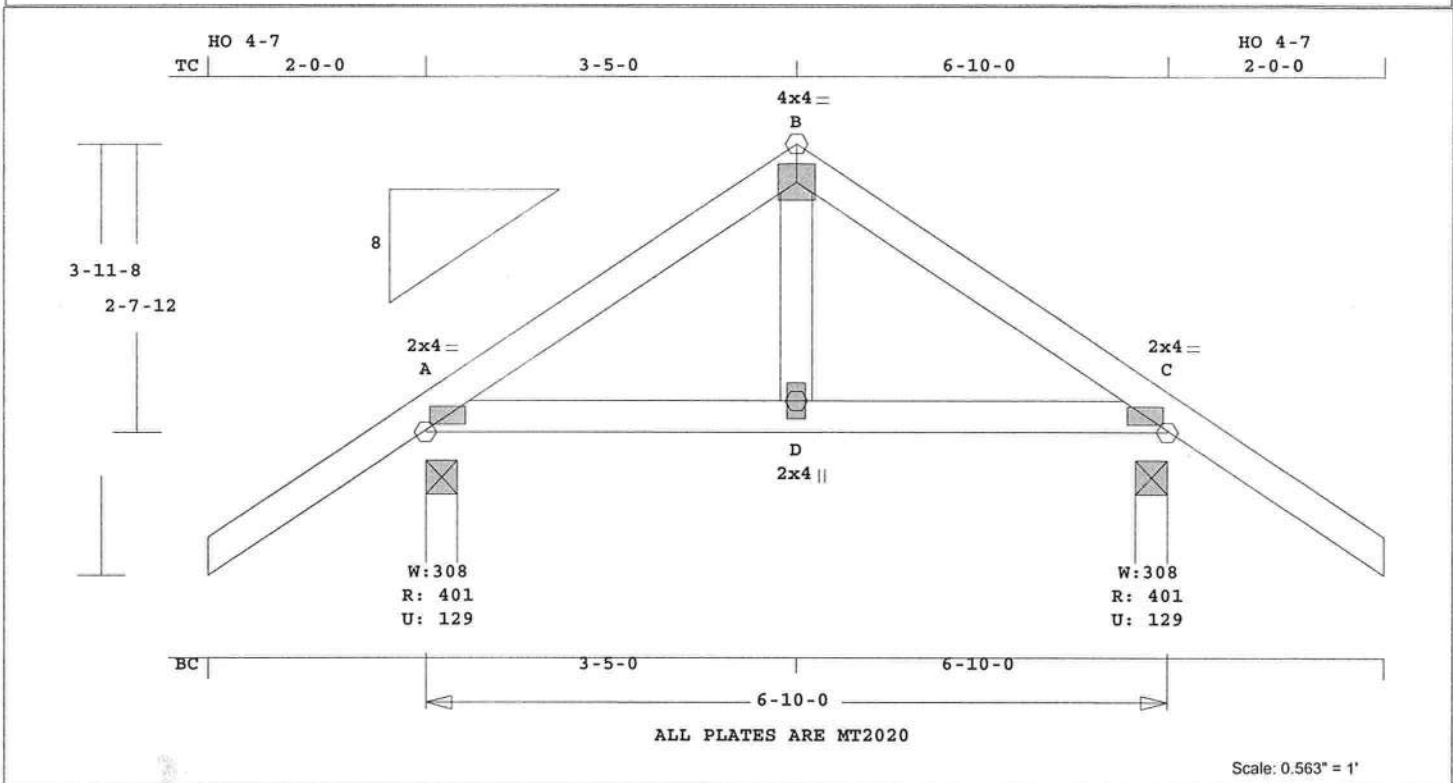
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 2- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for

loads framing into girder
truss.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 26 Lbs
Max tens. force 36 Lbs
Quality Control Factor 1.25

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FL Cert.#5555

Job ELIXSON-SPEC	Mark D1	Quan 2	Type TR	*Span 61000	Pl-H1 8	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T2870165
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ELIXSON-SPEC



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.0 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.12 2x 4 SP-#2
BC 0.12 2x 4 SP-#2
WB 0.02 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	6-10- 0	
BC Cont.	0- 0- 0	6-10- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	401	129 U	44 R
C	401	129 U	44 R

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

Plus 9 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	0.12	395 T	0.05	0.07	
B -C	0.12	395 T	0.05	0.07	
-----Bottom Chords-----					
A -D	0.12	272 C	0.00	0.12	
D -C	0.12	272 C	0.00	0.12	
-----Webs-----					

D -B 0.02 297 C
TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -D 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.63
B MT20 4.0x 4.0 Ctr Ctr 0.44
C MT20 2.0x 4.0 Ctr Ctr 0.63
D MT20 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.
Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

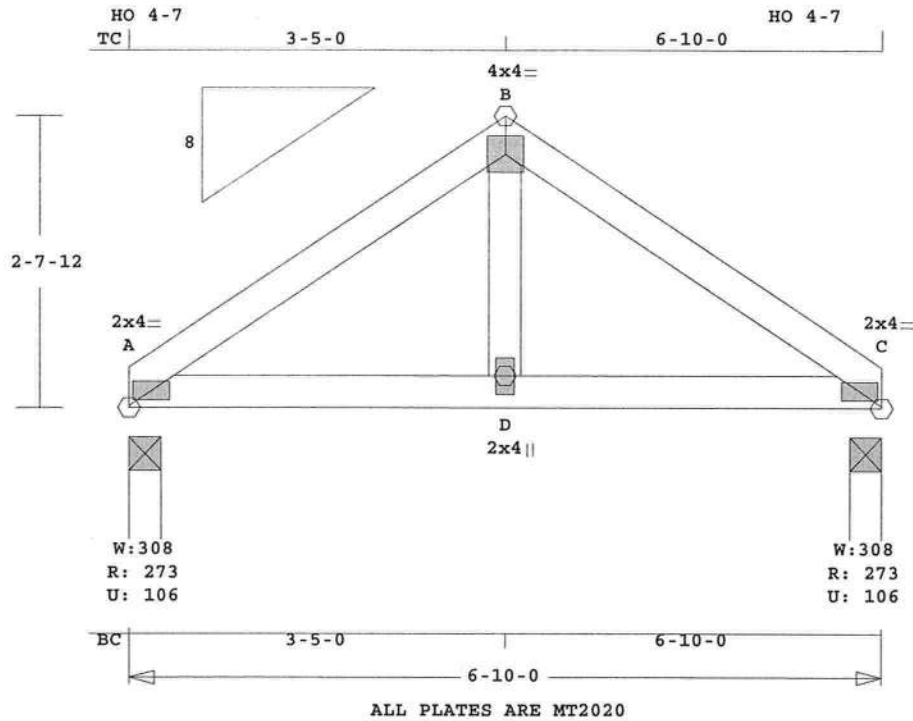
BC Dead Load: 5.0 psf

User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 6-10- 0
Max comp. force 297 Lbs
Max tens. force 395 Lbs
Quality Control Factor 1.25

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert.#5555

Job	Mark	Quan	Type	*Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	D2	2	TR	61000	8	0	0	T2870166

ELIXSON-SPEC



Scale: 0.571" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 32.9 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.12 2x 4 SP-#2
BC 0.12 2x 4 SP-#2
WB 0.02 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	6-10- 0
BC Cont.	0- 0- 0	6-10- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	273	107 U	44 R
C	273	107 U	44 R

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

Plus 9 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	0.12	395 T	0.05	0.07	
B -C	0.12	395 T	0.05	0.07	
-----Bottom Chords-----					
A -D	0.12	272 C	0.00	0.12	
D -C	0.12	272 C	0.00	0.12	
-----Webs-----					

D -B 0.02 297 C

TL Defl 0.00" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -D 0.15

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.63
B MT20 4.0x 4.0 Ctr Ctr 0.44
C MT20 2.0x 4.0 Ctr Ctr 0.63
D MT20 2.0x 4.0 Ctr Ctr 0.38

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

FBC2004

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

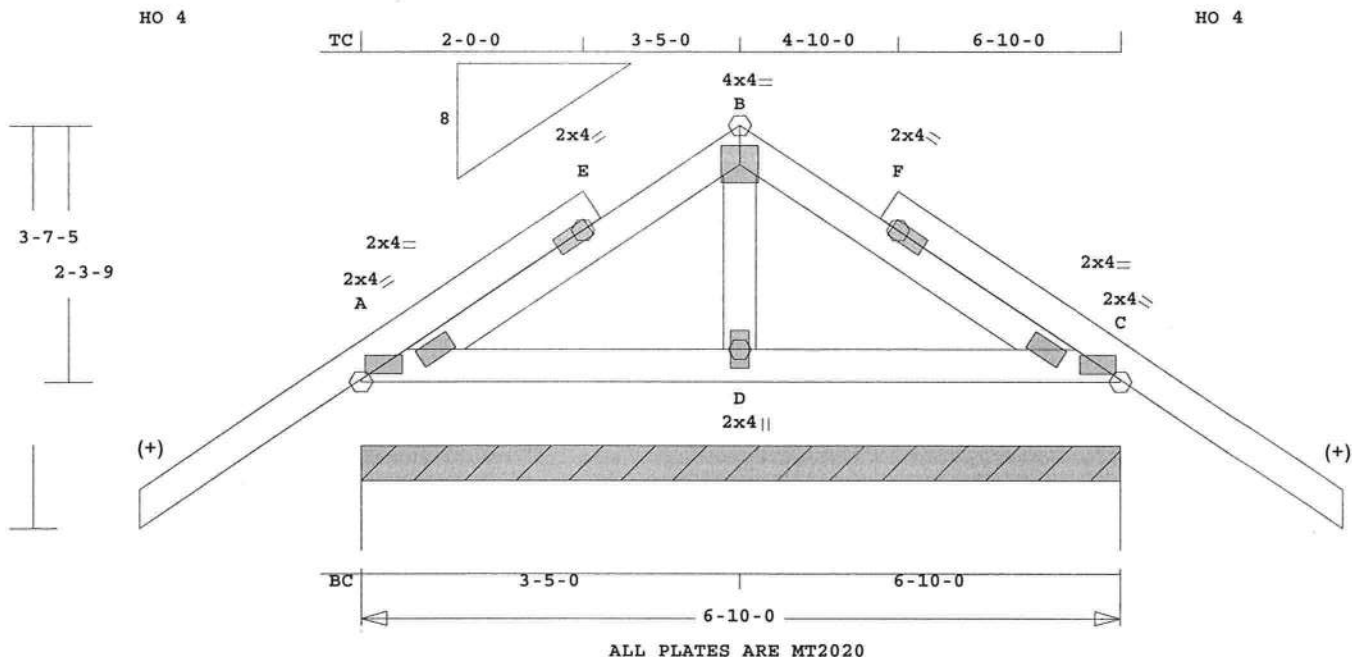
User-defined wind-exposed BC
regions --From-- --To--

0- 0- 0 6-10- 0
Max comp. force 297 Lbs
Max tens. force 395 Lbs
Quality Control Factor 1.25

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert.#5555

Job ELIXSON-SPEC	Mark D3GA	Quan 1	Type TR	*Span 61000	Pl-H1 8	Left OH 0	Right OH 0	Engineering T2870167
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ELIXSON-SPEC



Scale: 0.577" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 48.6 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

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

Quality Control Factor 1.25

CSI -Size- ---Lumber---

TC 0.06 2x 4 SP-#2 (+)
BC 0.06 2x 4 SP-#2
WB 0.01 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	6-10- 0	
BC Cont.	0- 0- 0	6-10- 0	

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.63
B MT20 4.0x 4.0 Ctr Ctr 0.44
C MT20 2.0x 4.0 Ctr Ctr 0.63
D MT20 2.0x 4.0 Ctr Ctr 0.38

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-
A 475 63 U 39 R

Jt Brg Size Required
A 82.0" 0"-to- 82"

Plus 9 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	0.06	55	C	0.00	0.06
B -C	0.06	55	C	0.00	0.06
-----Bottom Chords-----					
A -D	0.06	1	C	0.00	0.06
D -C	0.06	1	C	0.00	0.06
-----Webs-----					
D -B	0.01	114	C		

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Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 114 Lbs

Max tens. force 66 Lbs

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FL Cert.#5555

ELIXSON-SPEC

Scale: 0.385" = 1'

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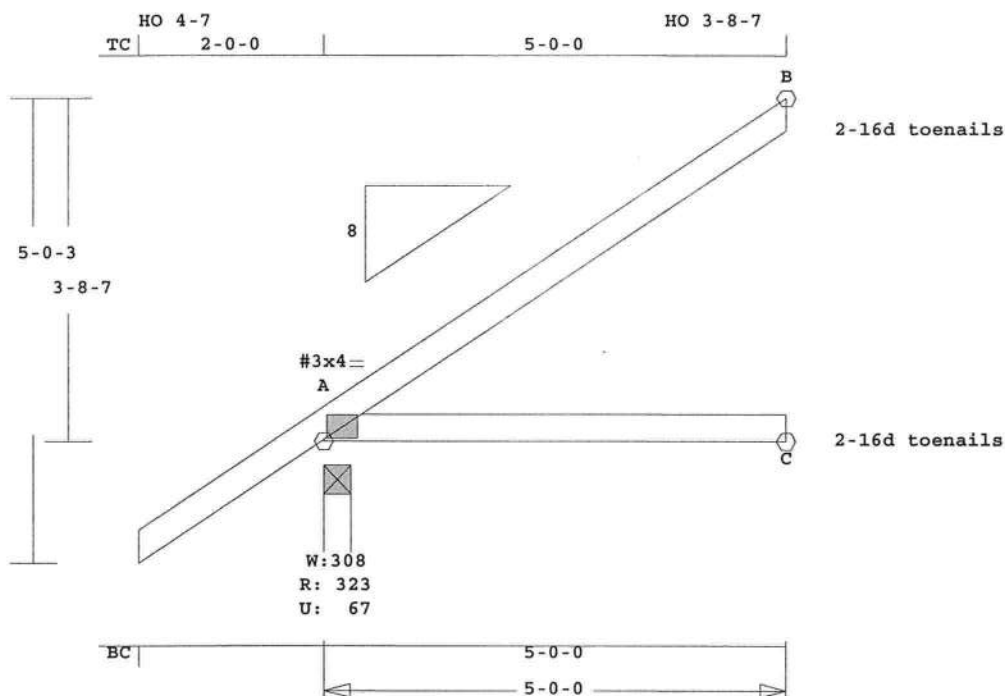
ELIXSON-SPEC

Scale: 0.346" = 1'

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Robbins Engineering
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Tampa, FL, 33610
FL Cert #5555

Job	Mark	Quan	Type	*Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	J2	8	JCA2	50000	8	2- 0- 0	0	T2870170

ELIXSON-SPEC



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

Scale: 0.479" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 25.7 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.26 2x 4 SP-#2
BC 0.36 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5- 0- 0	
BC Cont.	0- 0- 0	5- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	324	68 U	172 R
C	95	36 U	
B	142	82 U	69 R

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

Plus 8 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 -B	0.26	109 C	0.00	0.26	
B -B	0.00	4 C			
-----Bottom Chords-----					
A -C	0.36	0 T	0.00	0.36	

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -C 0.25

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.49

= Plate Monitor used

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

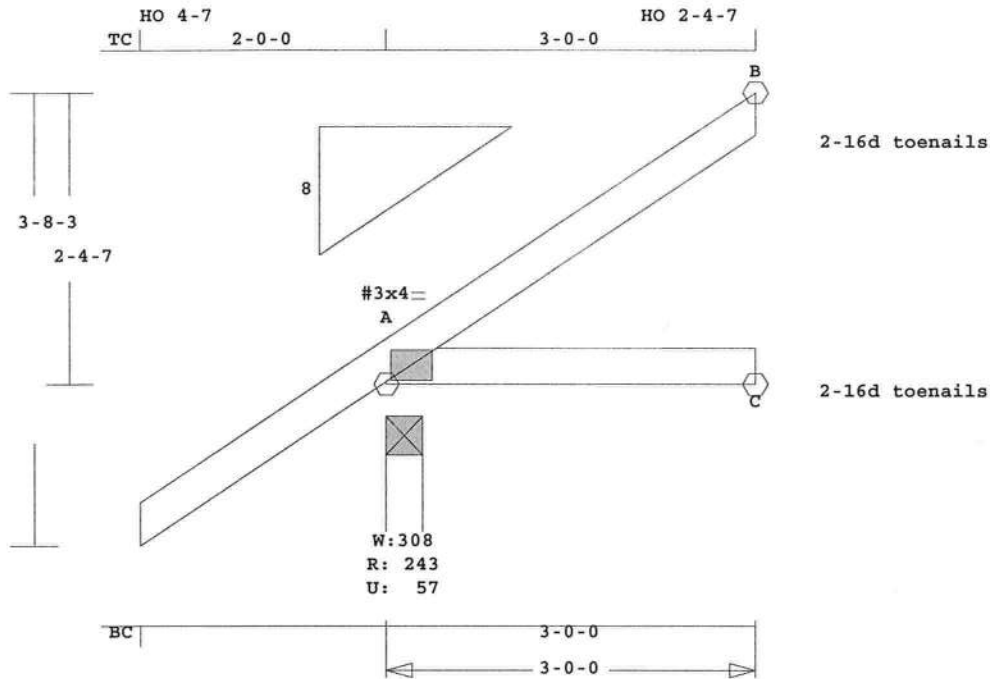
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 5- 0- 0
Max comp. force 109 Lbs
Max tens. force 56 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Job	Mark	Quan	Type	*Span	Pl-H1	Left OH	Right OH	Engineering
ELIXSON-SPEC	J3	8	JCA2	30000	8	2- 0- 0	0	T2870171

ELIXSON-SPEC



Scale: 0.637" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 17.4 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.08 2x 4 SP-#2
BC 0.12 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	3- 0- 0	
BC Cont.	0- 0- 0	3- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	243	57 U	104 R
C	57	22 U	
B	88	52 U	41 R

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

Plus 8 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 -B	0.08	68 C	0.00	0.08	
B -B	0.00	4 C			
-----Bottom Chords-----					
A -C	0.12	0 T	0.00	0.12	

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

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.49

= Plate Monitor used

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

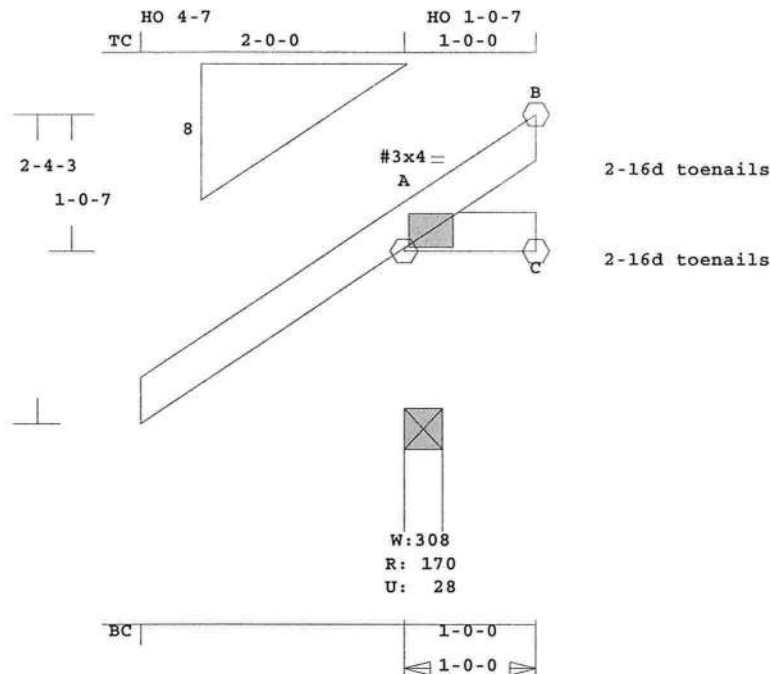
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 3- 0- 0
Max comp. force 68 Lbs
Max tens. force 36 Lbs
Quality Control Factor 1.25

Phillip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Job ELIXSON-SPEC	Mark J4	Quan 10	Type JCA2	%Span 10000	Pl-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870172
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ELIXSON-SPEC



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

Scale: 0.680" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 9.1 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

LL Defl 0.00" in A -C L/999
Shear // Grain in A -C 0.03

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

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.49

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	1- 0- 0	
BC Cont.	0- 0- 0	1- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	170	29 U	36 R
B	27	17 U	
C	17	8 U	13 R

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

Plus 8 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 -B	0.00	22 C	
-----Bottom Chords-----			
A -C	0.00	13 T	

TL Defl 0.00" in A -C L/999

= Plate Monitor used
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

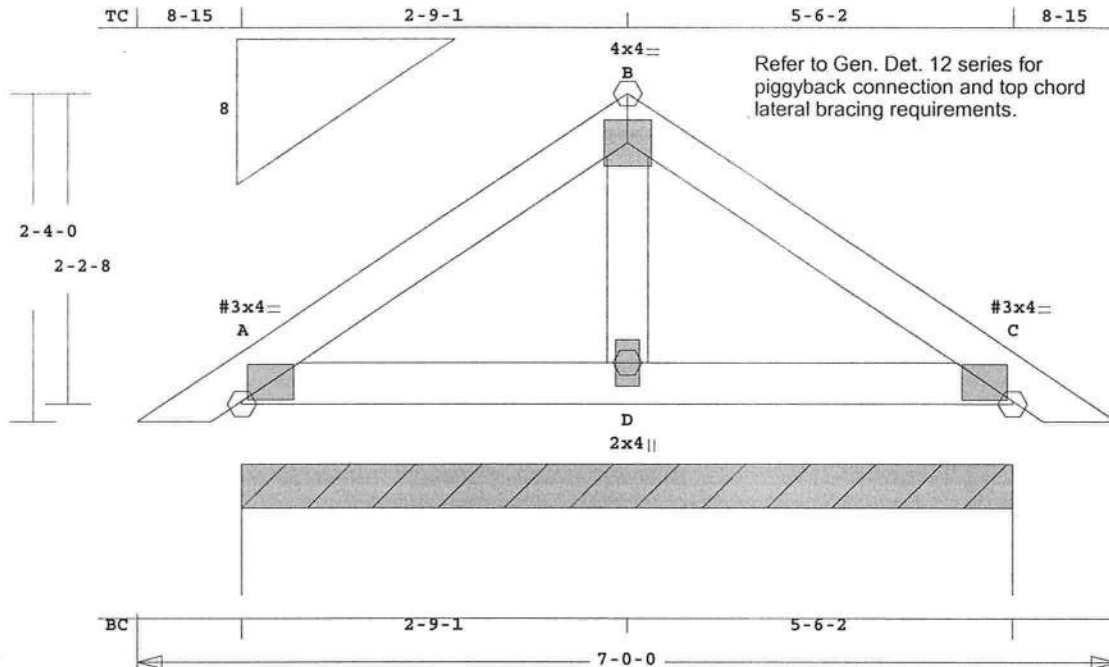
Exposure Category: B

Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 1- 0- 0
Max comp. force 22 Lbs
Max tens. force 13 Lbs
Quality Control Factor 1.25

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FL Cert.#5555

Job ELIXSON-SPEC	Mark PI	Quan 11	Type TR	*Span 70000	Pl-H1 8	Left OH 8-15	Right OH 8-15	Engineering T2870173
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ELIXSON-SPEC



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

Scale: 0.727" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 29.3 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.04 2x 4 SP-#2
BC 0.04 2x 4 SP-#2
WB 0.00 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	469	64 U	35 R

Jt	Brg Size	Required
A	66.1"	0"-to- 66"

Plus 9 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	0.04	112 C	0.00	0.04	
B -C	0.04	112 C	0.00	0.04	
-----Bottom Chords-----					
A -D	0.04	1 T	0.00	0.04	
D -C	0.04	1 T	0.00	0.04	
-----Webs-----					
D -B	0.00	29 C			

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.50
B MT20 4.0x 4.0 Ctr Ctr 0.43
C# MT20 3.0x 4.0 Ctr Ctr 0.50
D MT20 2.0x 4.0 Ctr Ctr 0.38

= Plate Monitor used

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Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Refer to Gen Det 3 series for web bracing and plating.

NOTE: USER MODIFIED PLATES

This design may have plates selected through a plate monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

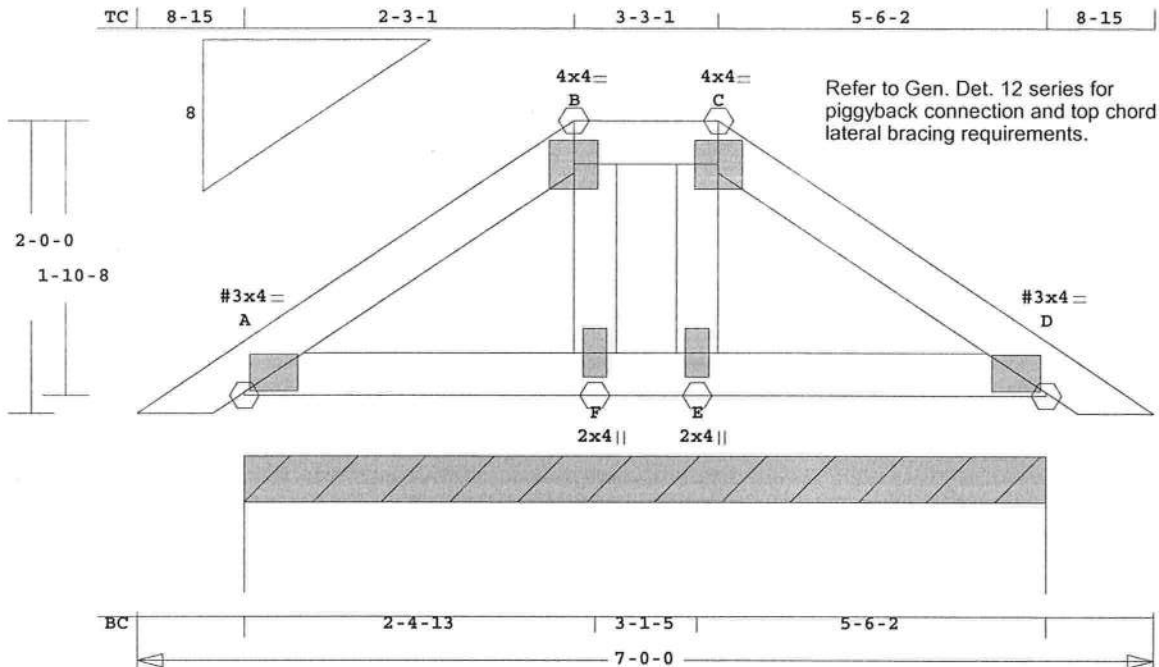
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 112 Lbs
Max tens. force 85 Lbs
Quality Control Factor 1.25

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FL Cert.#5555

Job ELIXSON-SPEC	Mark P2	Quan 1	Type HIPP	*Span 70000	Pl-H1 8	Left OH 8-15	Right OH 8-15	Engineering T2870174
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ELIXSON-SPEC



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

Scale: 0.757" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 30.8 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.03 2x 4 SP-#2
BC 0.02 2x 4 SP-#2
WB 0.00 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	469	64 U	29 R

Jt	Brg Size	Required
A	66.1"	0"-to- 66"

Plus 9 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	0.03	112 C	0.00	0.03	
B -C	0.02	111 C	0.01	0.01	
C -D	0.03	112 C	0.00	0.03	
-----Bottom Chords-----					
A -F	0.02	1 T	0.00	0.02	
F -E	0.02	0 T	0.00	0.02	
E -D	0.02	1 T	0.00	0.02	
-----Webs-----					

F -B 0.00 31 T
E -C 0.00 31 T

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

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.50
B MT20 4.0x 4.0 Ctr Ctr 0.59
C MT20 4.0x 4.0 Ctr Ctr 0.59
D# MT20 3.0x 4.0 Ctr Ctr 0.50
F MT20 2.0x 4.0 Ctr Ctr 0.38
E MT20 2.0x 4.0 Ctr Ctr 0.38

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 112 Lbs

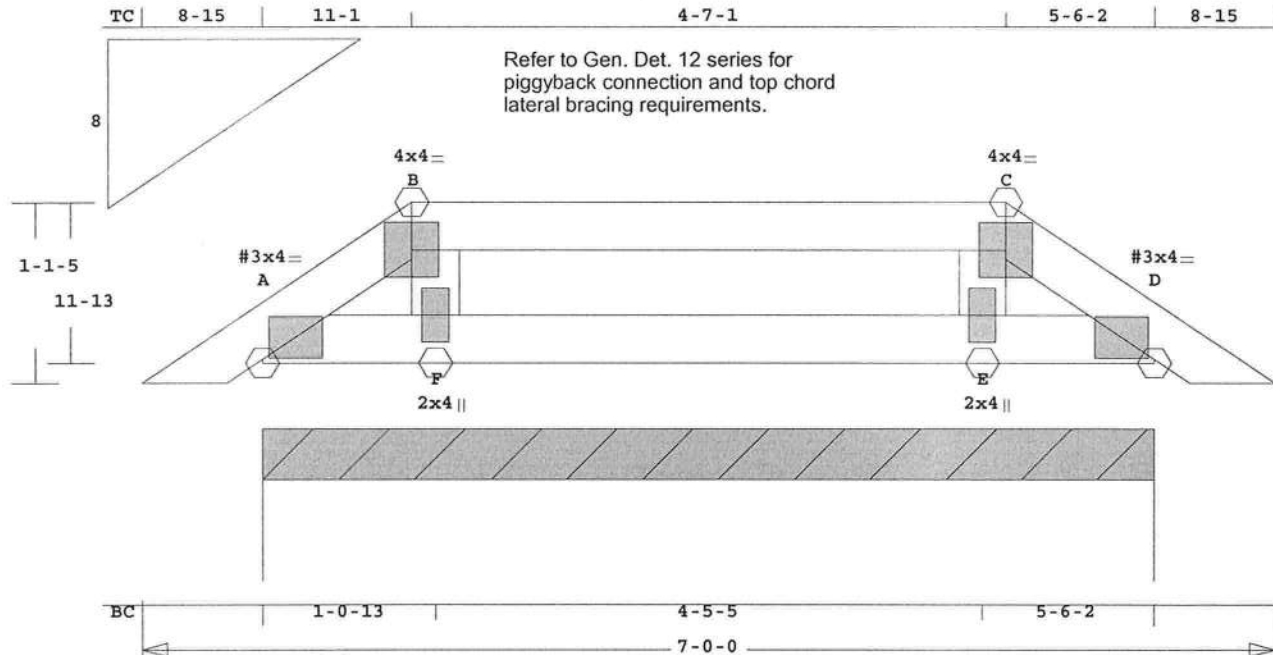
Max tens. force 109 Lbs

Quality Control Factor 1.25

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FL Cert.#5555

Job ELIXSON-SPEC	Mark P3	Quan 1	Type HIPP	Span 70000	Pl-H1 8	Left OH 8-15	Right OH 8-15	Engineering T2870175
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ELIXSON-SPEC



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

Scale: 0.842" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 26.4 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ---Lumber---
TC 0.12 2x 4 SP-#2
BC 0.04 2x 4 SP-#2
WB 0.02 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	469	70 U	11 R

Jt	Brg Size	Required
A	66.1"	0"-to- 66"

Plus 9 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	0.02	16	C	0.00	0.02
B - C	0.12	44	T	0.00	0.12
C - D	0.02	16	C	0.00	0.02
-----Bottom Chords-----					
A - F	0.04	2	T	0.00	0.04
F - E	0.04	0	T	0.00	0.04
E - D	0.04	2	T	0.00	0.04
-----Webs-----					

F -B 0.02 205 T
E -C 0.02 205 T

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

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.50
B MT20 4.0x 4.0 Ctr Ctr 0.59
C MT20 4.0x 4.0 Ctr Ctr 0.59
D# MT20 3.0x 4.0 Ctr Ctr 0.50
F MT20 2.0x 4.0 Ctr Ctr 0.38
E MT20 2.0x 4.0 Ctr Ctr 0.38

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

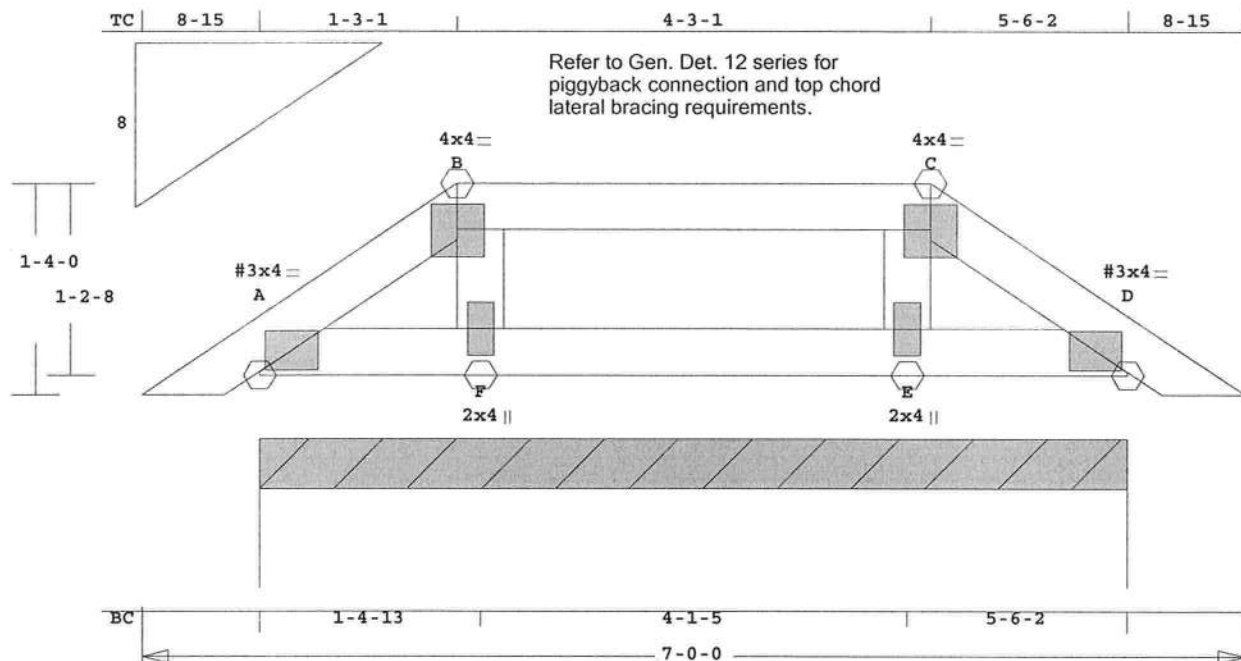
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 145 Lbs
Max tens. force 205 Lbs
Quality Control Factor 1.25

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FL Cert.#5555

Job ELIXSON-SPEC	Mark P4	Quan 1	Type HIPP	Span 70000	Pl-H1 8	Left OH 8-15	Right OH 8-15	Engineering T2870176
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ELIXSON-SPEC



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

Scale: 0.819" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 27.5 LBS

Online Plus -- Version 21.5.049

RUN DATE: 25-JAN-08

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

TC	0.07	2x 4	SP-#2
BC	0.03	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	469	64 U	15 R

Jt	Brg Size	Required
A	66.1"	0"-to- 66"

Plus 9 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 -B	0.01	34 C	0.00	0.01	
B -C	0.07	51 T	0.00	0.07	
C -D	0.01	34 C	0.00	0.01	
-----Bottom Chords-----					
A -F	0.03	1 T	0.00	0.03	
F -E	0.03	0 T	0.00	0.03	
E -D	0.03	1 T	0.00	0.03	
-----Webs-----					

F -B	0.02	148 T
E -C	0.02	148 T

TL Defl	0.00"	in F -E	L/999
LL Defl	0.00"	in F -E	L/999
Shear //	Grain	in B -C	0.10

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.50
B MT20 4.0x 4.0 Ctr Ctr 0.59
C MT20 4.0x 4.0 Ctr Ctr 0.59
D# MT20 3.0x 4.0 Ctr Ctr 0.50
F MT20 2.0x 4.0 Ctr Ctr 0.38
E MT20 2.0x 4.0 Ctr Ctr 0.38

= Plate Monitor used

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 108 Lbs

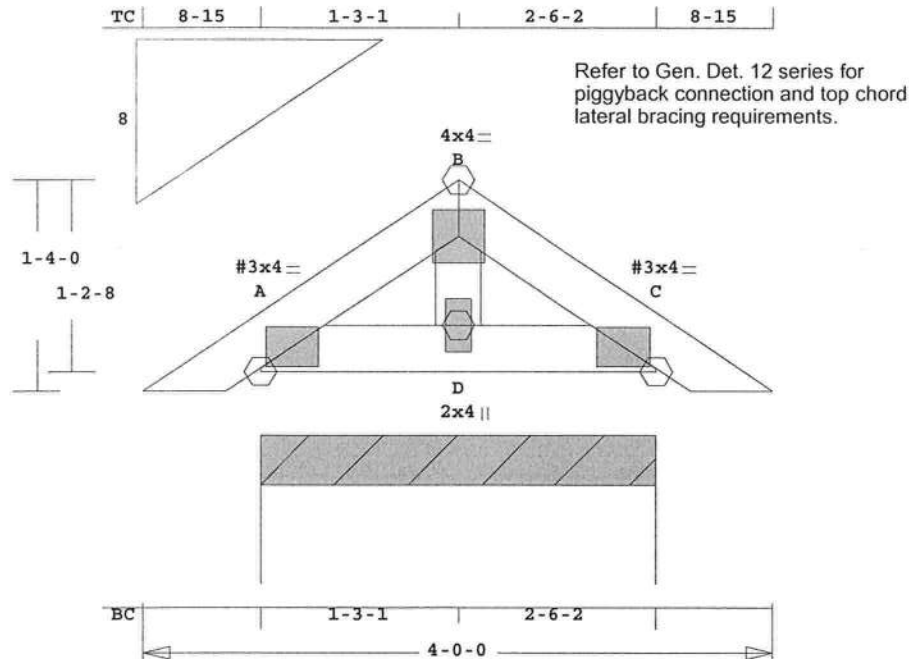
Max tens. force 148 Lbs

Quality Control Factor 1.25

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FL Cert.#5555

Job ELIXSON-SPEC	Mark P5	Quan 1	Type** TR	*Span 40000	Pl-H1 8	Left OH 8-15	Right OH 8-15	Engineering T2870177
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ELIXSON-SPEC



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

Scale: 0.819" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 14.9 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

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

TC	0.00	2x 4	SP-#2
BC	0.00	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	4- 0- 0
BC	Cont.	0- 0- 0	4- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
TC	Fb=1.15	Fc=1.10 Ft=1.10
BC	Fb=1.10	Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	229	32 U	15 R

Jt	Brg Size	Required
A	30.1"	0"-to- 30"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl-CSI-Bnd
-----Top Chords-----				
A - B	0.00		30	C
B - C	0.00		30	C
-----Bottom Chords-----				
A - D	0.00		1	T
D - C	0.00		1	T
-----Webs-----				
D - B	0.00		30	C

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

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.49
B MT20 4.0x 4.0 Ctr Ctr 0.42
C# MT20 3.0x 4.0 Ctr Ctr 0.49
D MT20 2.0x 4.0 Ctr Ctr 0.38

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as

Components and Claddings*

for Exterior zone location.

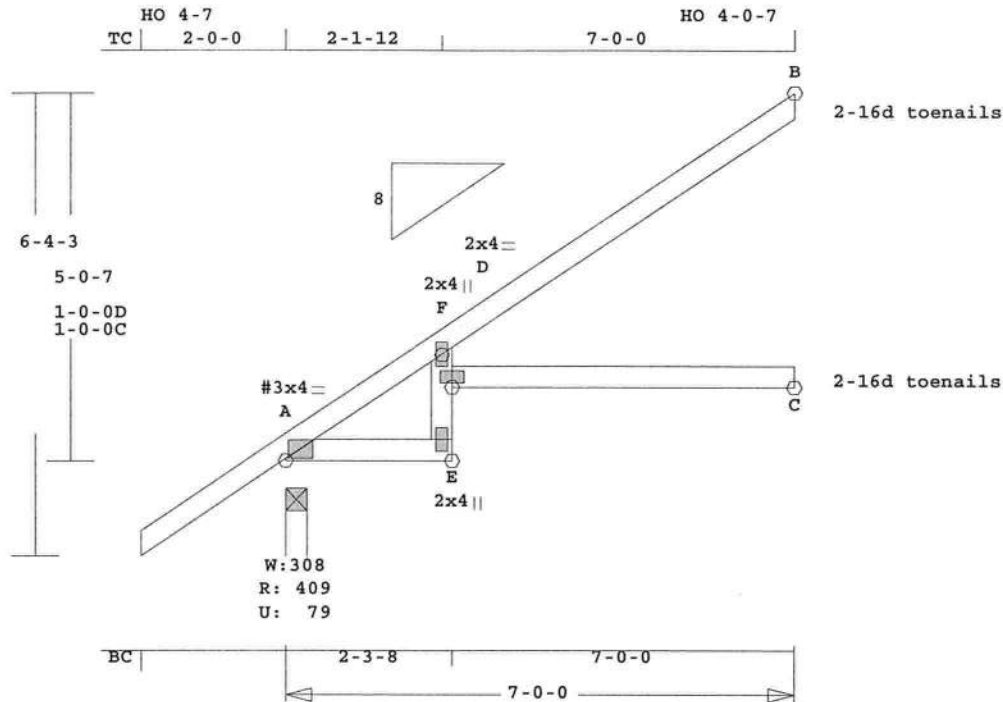
Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category:	B
Occupancy Factor :	1.00
Building Type:	Enclosed
TC Dead Load:	5.0 psf
BC Dead Load:	5.0 psf
Max comp. force	30 Lbs
Max tens. force	25 Lbs
Quality Control Factor	1.25

Phillip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

Job ELIXSON-SPEC	Mark VJI	Quan 6	Type SP	Span 70000	Pl-H1 8	Left OH 2- 0- 0	Right OH 0	Engineering T2870178
ELIXSON-SPEC								



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

Scale: 0.377" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 36.4 LBS

Online Plus -- Version 21.5.049
RUN DATE: 25-JAN-08

CSI -Size- ----Lumber----
TC 0.40 2x 4 SP-#2
BC 0.53 2x 4 SP-#2
CW 0.19 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 0- 0	
BC Cont.	0- 0- 0	7- 0- 0	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	410	79 U	228 R
C	131	3 U	
B	182	85 U	97 R

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

Plus 8 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 -F	0.19	275	C	0.00	0.19
F -B	0.40	100	C	0.00	0.40
-----Bottom Chords-----					
A -E	0.06	212	T	0.03	0.03

E -D	0.17	29	T	0.00	0.17
D -C	0.53	0	T	0.00	0.53
-----Chord-Webs-----					
E -D	0.19	29	T	0.00	0.19
D -F	0.19	122	T	0.00	0.19

TL Defl -0.22" in D -C L/361
LL Defl -0.10" in D -C L/766
Shear // Grain in F -B 0.17

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# MT20 3.0x 4.0 Ctr Ctr 0.52
F MT20 2.0x 4.0 Ctr Ctr 0.13
E MT20 2.0x 4.0 Ctr Ctr 0.58
D MT20 2.0x 4.0 Ctr Ctr 0.62

= Plate Monitor used

REVIEWED BY:

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

NOTE: USER MODIFIED PLATES

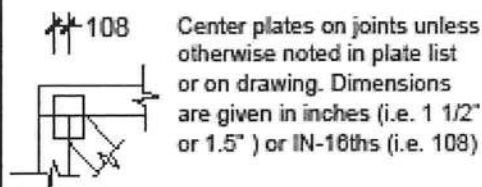
This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 275 Lbs
Max tens. force 212 Lbs
Quality Control Factor 1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

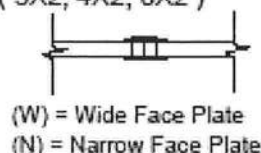
ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



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.

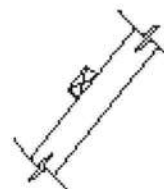
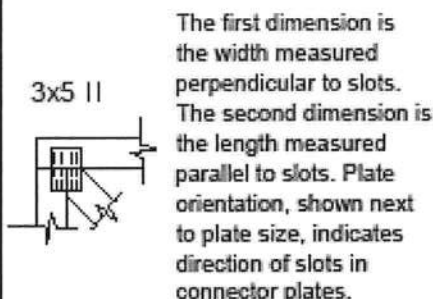
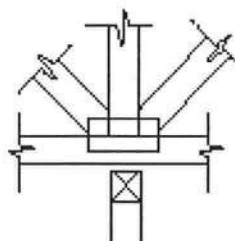
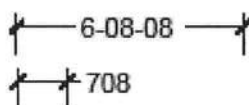


PLATE SIZE AND ORIENTATION



DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 8' 8 1/2" or 8-08-08). 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 erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS 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.

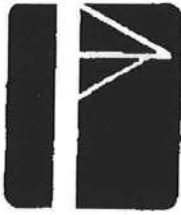
Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning 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.

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 FABRICATOR.



6904 Parke East Blvd.
Tampa, FL 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com



HI-FOLD DOOR CORPORATION

N6170 1070th Street, River Falls, Wisconsin 54022

Telephone: (800) 443-6536; FAX: (715) 262-3998

www.hi-fold.com

Quotation and Purchase Agreement

May 5, 2008

Edgley Construction
590 SW Arlington Blvd.
Suite 113
Lake City, FL 32025
Attention: Doug Edgley
Phone: 386-752-0580

Quotation Number: EDG1230804.P01

Ship To: Fred Elfers Job

Lake City, FL
Attention:

This Quotation shall be in effect for 30 days. If this is acceptable, please sign it, the attached transmittal print and the information sheet and return one copy of each to us. Each must be returned for the manufacturing of your door to start. This Agreement includes the terms shown on the reverse hereof.

Hi-Fold Doors: Size is Measured Clear Opening after installed and in open position - FOB River Falls, WI 54022

Product Door Number	Product Description and Size	Quantity	Unit Price	Amount
H4214-2	01 42' 0.000" Wide X 13' 2.000" High Special Size	1	4,833.60	4,833.60
Special	Increased loading 110 MPH wind load per FBC 2004 exp C 3 sec gust	1.0	665.000	665.00
Option	Stamped Print Engineer verified wind load	1.0	373.464	373.46
Option	Top Seal 12" wide rubber top seal	43.0	1.454	62.50
Option	Weather Stripping 3/4" X 5/8" open cell foam with adhesive back	73.0	.181	13.18
Package Total				5,947.74
Freight Total				800.00
Quote Total				6,747.74
Down Payment				1,486.94
Balance Due				5,260.81

Anticipated Shipping Date: 4-8 Weeks from receipt of signed agreement.
Shipping Method: Contract FT

All doors are custom made for your specific application; therefore, our terms are 25% down payment with order. Remaining balance C.O.D. Advance payment by check or bank letter of credit including freight will save C.O.D. charges. Open account terms require management authorization and credit department approval. Any applicable taxes will be added unless exemption certificate is supplied or on file.

Customer Signature

[Signature]

Date: 5-5-08

Sincerely,
Hi-Fold Door Corporation

Bill Bakalich
Bill Bakalich
Marketing Manager

Hi-Fold Acceptance

Date:

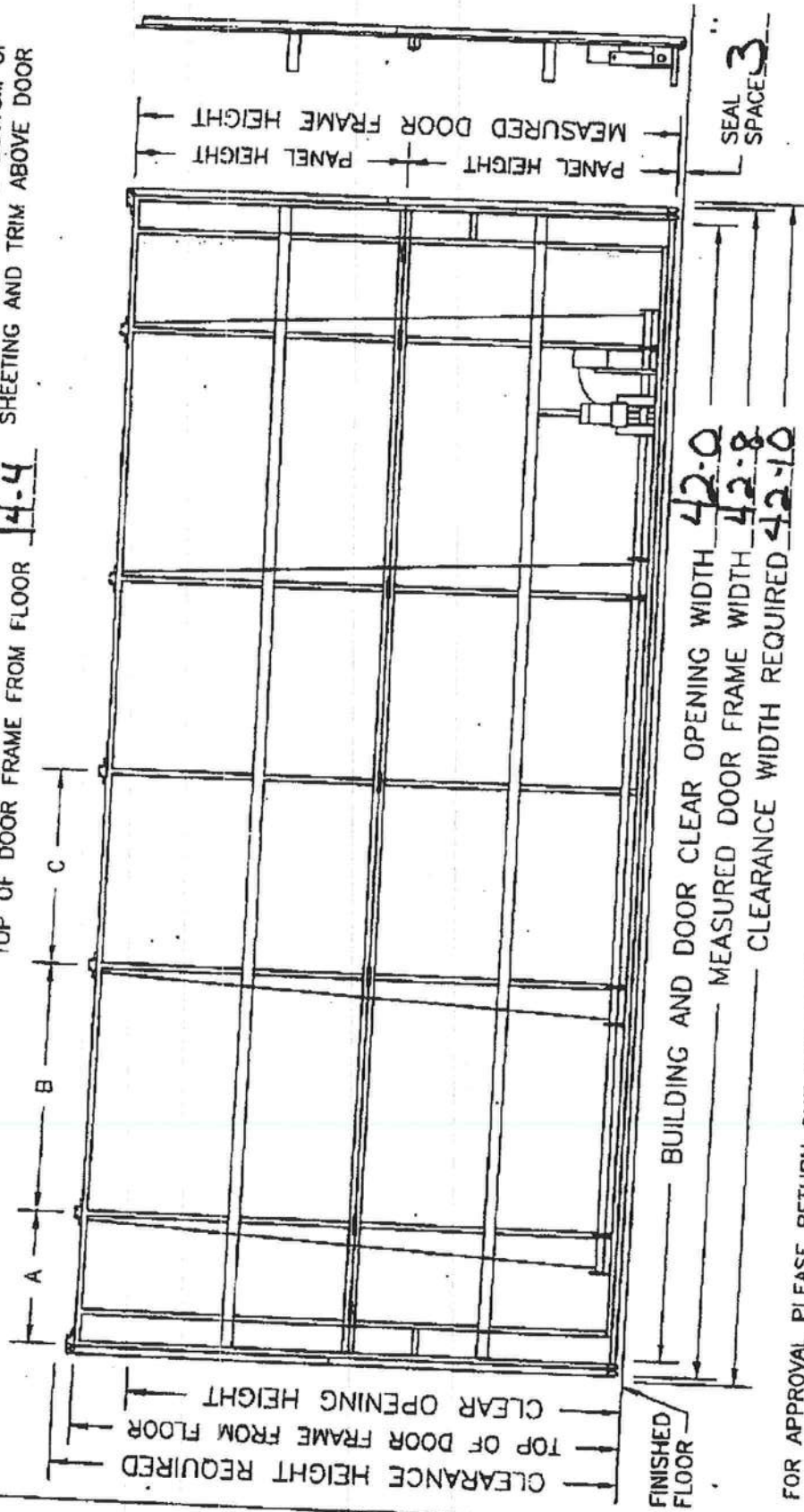
Post-it® Fax Note	7671	Date	5-5	# of pages	6
To	Doug Edgley	From	Bill		
Company	Edgley Constr.	Co.			
Phone #		Phone #			
Fax #	386-752-4901	Fax #			

...the only Bi-Fold Door with high-clearance advantages!

PREPARED FOR Edgley Construction
 QUOTE NUMBER EDG1230804.P01
 HINGE LOCATION MEASURED FROM DOOR C/L:
 A 47 1/2 B 132 C 74
 HINGE QUANTITY 7

DOOR CLEAR OPENING HEIGHT 13.2
 MEASURED DOOR FRAME HEIGHT 14.1
 DOOR PANEL HEIGHT FOR SKIN:
 TOP 7-4 1/2 BOTTOM 7-1 1/2
 TOP OF DOOR FRAME FROM FLOOR 14.4

BUILDING MEASUREMENTS BELOW:
 BOTTOM OF STUB COLUMN 14.2
 CLEARANCE HEIGHT REQUIRED 14.8
 CLEARANCE HEIGHT IS BOTTOM OF
 SHEETING AND TRIM ABOVE DOOR



FOR APPROVAL PLEASE RETURN ONE SET OF DRAWINGS FOR PROMPT SCHEDULING
 APPROVED FOR CONSTRUCTION AS SHOWN AS NOTED
 DATED 5-5-08 SIGNED [Signature]

HI-FOLD DOOR CORPORATION RIVER FALLS, WI 53088-4430-9538	
5/01	NO SCALE
HF42W2-01	

Lot 9 Rolling meadows
Elixson

PRODUCT APPROVAL SPECIFICATION SHEET I

Location:

Project Name:

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Mayfair	entry door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up	General American	garage door	FL 2868
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Danvid	Single Hung Windows	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	James Hardie	Hardiboard Siding	FL 889-R1
2. Soffits	Ashley Aluminum	Aluminum Soffit	FL 406
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30-year shingles asphalt	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Linda Roder
Contractor or Contractor's Authorized Agent Signature

Linda Roder
Print Name

Date

Residential System Sizing Calculation

Summary

Jason Elixson

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

Lake City, FL

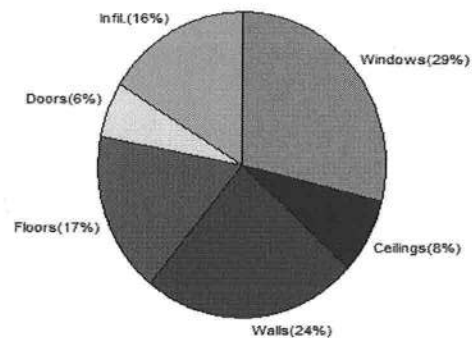
4/21/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	26375 Btuh	Total cooling load calculation	24083 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	136.5 36000	Sensible (SHR = 0.75)	122.2 27000
Heat Pump + Auxiliary(0.0kW)	136.5 36000	Latent	454.8 9000
		Total (Electric Heat Pump)	149.5 36000

WINTER CALCULATIONS

Winter Heating Load (for 1805 sqft)

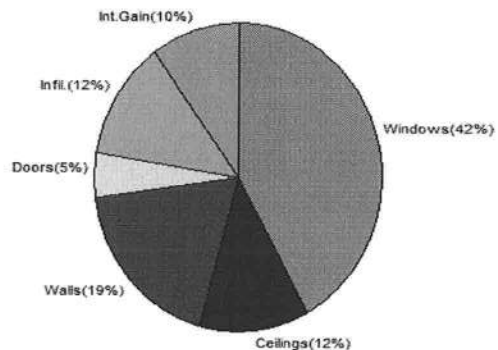
Load component		Load	
Window total	237 sqft	7629	Btuh
Wall total	1803 sqft	6329	Btuh
Door total	120 sqft	1554	Btuh
Ceiling total	1805 sqft	2127	Btuh
Floor total	234 sqft	4569	Btuh
Infiltration	103 cfm	4167	Btuh
Duct loss		0	Btuh
Subtotal		26375	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		26375	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1805 sqft)

Load component		Load	
Window total	237 sqft	10066	Btuh
Wall total	1803 sqft	4464	Btuh
Door total	120 sqft	1176	Btuh
Ceiling total	1805 sqft	2989	Btuh
Floor total		0	Btuh
Infiltration	54 cfm	1008	Btuh
Internal gain		2400	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		22104	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		1979	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		0	Btuh
Total latent gain		1979	Btuh
TOTAL HEAT GAIN		24083	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jason Elixson

Lake City, FL

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 270 degrees.

4/21/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	90.0		32.2	2897 Btuh
2	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
3	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
4	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
5	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	E	20.0		32.2	644 Btuh
7	2, Clear, Metal, 0.87	E	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
9	2, Clear, Metal, 0.87	S	36.0		32.2	1159 Btuh
Window Total			237(sqft)			7629 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	11.0	1803		3.5	6329 Btuh
Wall Total			1803			6329 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		33		12.9	432 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		67		12.9	863 Btuh
Door Total			120			1554 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Meta	30.0	1805		1.2	2127 Btuh
Ceiling Total			1805			2127 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	3.5	234.0 ft(p)		19.5	4569 Btuh
Floor Total			234			4569 Btuh
Envelope Subtotal:						22207 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.38	16245	1803	102.9	4167 Btuh
Ductload	(DLM of 0.000)					0 Btuh
All Zones	Sensible Subtotal All Zones					26375 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jason Elixson
Lake City, FL

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

4/21/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	26375 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	26375 Btuh

EQUIPMENT

1. Electric Heat Pump	#	36000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Jason Elixson

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 270 degrees.

4/21/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	90.0		32.2	2897 Btuh
2	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
3	2, Clear, Metal, 0.87	N	4.0		32.2	129 Btuh
4	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
5	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	E	20.0		32.2	644 Btuh
7	2, Clear, Metal, 0.87	E	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	S	6.0		32.2	193 Btuh
9	2, Clear, Metal, 0.87	S	36.0		32.2	1159 Btuh
Window Total			237(sqft)			7629 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	11.0	1803		3.5	6329 Btuh
Wall Total			1803			6329 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		33		12.9	432 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		67		12.9	863 Btuh
Door Total			120			1554Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Meta	30.0	1805		1.2	2127 Btuh
Ceiling Total			1805			2127Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	3.5	234.0 ft(p)		19.5	4569 Btuh
Floor Total			234			4569 Btuh
Zone Envelope Subtotal:						22207 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.38	16245	1803	102.9	4167 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond){DLM of 0.000}					0 Btuh
Zone #1	Sensible Zone Subtotal					26375 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jason Elixson
Lake City, FL

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

4/21/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	26375 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	26375 Btuh

EQUIPMENT

1. Electric Heat Pump	#	36000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Jason Elixson

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 270 degrees.

4/21/2008

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	90.0	0.0	90.0	19	52	4708	Btuh	
2	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	30.0	0.0	30.0	19	19	583	Btuh	
3	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	4.0	0.0	4.0	19	19	78	Btuh	
4	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	15.0	0.0	15.0	19	52	785	Btuh	
5	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	30.0	0.0	30.0	19	52	1569	Btuh	
6	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	20.0	0.0	20.0	19	52	1046	Btuh	
7	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	6.0	0.0	6.0	19	52	314	Btuh	
8	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	6.0	0.0	6.0	19	23	141	Btuh	
9	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	36.0	0.0	36.0	19	23	843	Btuh	
Window Total					237 (sqft)					10066 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	11.0/0.09			1803.0			2.5		4464 Btuh		
Wall Total					1803 (sqft)					4464 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				33.3			9.8		327 Btuh		
2	Insulated - Exterior				20.0			9.8		196 Btuh		
3	Insulated - Exterior				66.7			9.8		653 Btuh		
Door Total					120 (sqft)					1176 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkMetal	30.0			1805.0			1.7		2989 Btuh		
Ceiling Total					1805 (sqft)					2989 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	3.5			234 (ft(p))			0.0		0 Btuh		
Floor Total					234.0 (sqft)					0 Btuh		
Envelope Subtotal:										18696 Btuh		
Infiltration	Type	ACH			Volume(cuft) wall area(sqft)			CFM=		Load		
	SensibleNatural	0.20			16245 1803			102.9		1008 Btuh		
Internal gain		Occupants			Btuh/occupant			Appliance		Load		
		0			X 230 +			2400		2400 Btuh		
Sensible Envelope Load:										22104 Btuh		
Duct load	(DGM of 0.000)										0 Btuh	
	Sensible Load All Zones										22104 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jason Elixson
Lake City, FL

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

4/21/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22104 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22104 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22104 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1979 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1979 Btuh
	TOTAL GAIN	24083 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Jason Elixson

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 270 degrees.

4/21/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-M, N,H	W	0ft.	0ft.	90.0	0.0	90.0	19	52	4708	Btuh
2	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	30.0	0.0	30.0	19	19	583	Btuh
3	2, Clear, 0.87, B-M, N,H	N	0ft.	0ft.	4.0	0.0	4.0	19	19	78	Btuh
4	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	15.0	0.0	15.0	19	52	785	Btuh
5	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	30.0	0.0	30.0	19	52	1569	Btuh
6	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	20.0	0.0	20.0	19	52	1046	Btuh
7	2, Clear, 0.87, B-M, N,H	E	0ft.	0ft.	6.0	0.0	6.0	19	52	314	Btuh
8	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	6.0	0.0	6.0	19	23	141	Btuh
9	2, Clear, 0.87, B-M, N,H	S	0ft.	0ft.	36.0	0.0	36.0	19	23	843	Btuh
Window Total					237 (sqft)					10066 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	11.0/0.09			1803.0		2.5		4464 Btuh		
Wall Total						1803 (sqft)				4464 Btuh	
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				33.3		9.8		327 Btuh		
2	Insulated - Exterior				20.0		9.8		196 Btuh		
3	Insulated - Exterior				66.7		9.8		653 Btuh		
Door Total						120 (sqft)				1176 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkMetal	30.0			1805.0		1.7		2989 Btuh		
Ceiling Total						1805 (sqft)				2989 Btuh	
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	3.5			234 (ft(p))		0.0		0 Btuh		
Floor Total						234.0 (sqft)				0 Btuh	
Zone Envelope Subtotal:									18696 Btuh		
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=		Load
	SensibleNatural	0.20			16245		1803		54.2		1008 Btuh
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	0			X 230			+		2400		2400 Btuh
Sensible Envelope Load:									22104 Btuh		
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)							(DGM of 0.000)		0 Btuh	
Sensible Zone Load									22104 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jason Elixson
Lake City, FL

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

4/21/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22104 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22104 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22104 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1979 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (0 people @ 200 Btuh per person)	0 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1979 Btuh
	TOTAL GAIN	24083 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Jason Elixson

Project Title:
Rolling Meadows Lot 9

Code Only
Professional Version
Climate: North

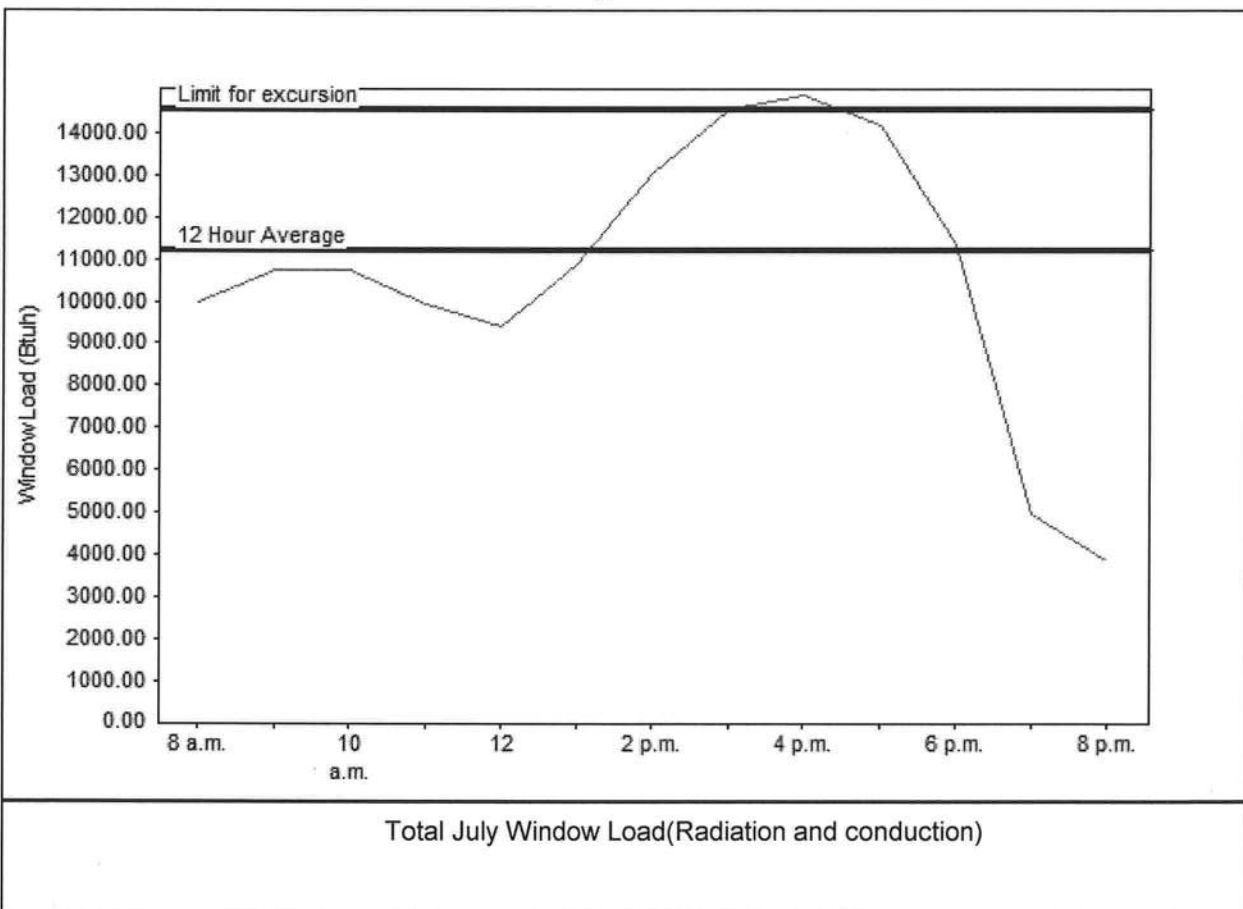
Lake City, FI

4/21/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11214 Btu
Summer setpoint	75 F	Peak window load for July	14910 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	14578 Btu
Latitude	29 North	Window excursion (July)	332 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

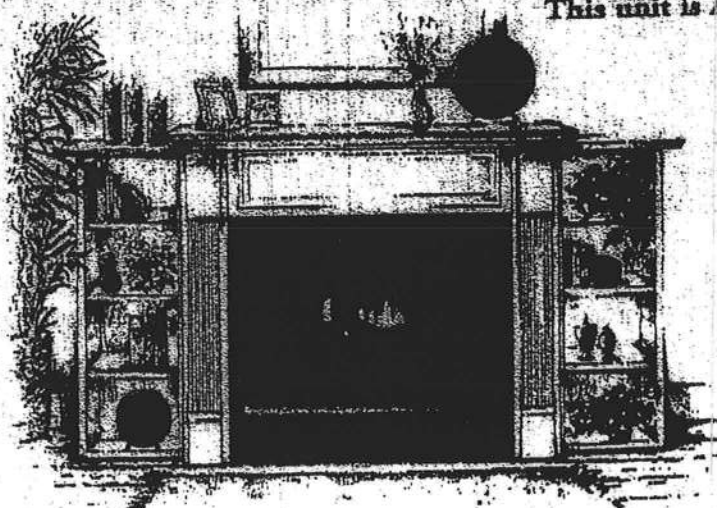


VENT-FREE

This unit is A.G.A. certified as a heater with 99% heat efficiency

No chimney or flue system required

Wide selection of factory installed options offered

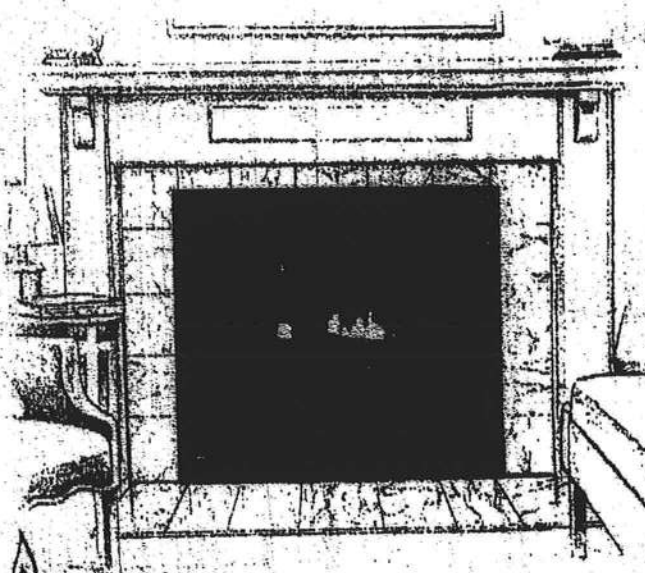
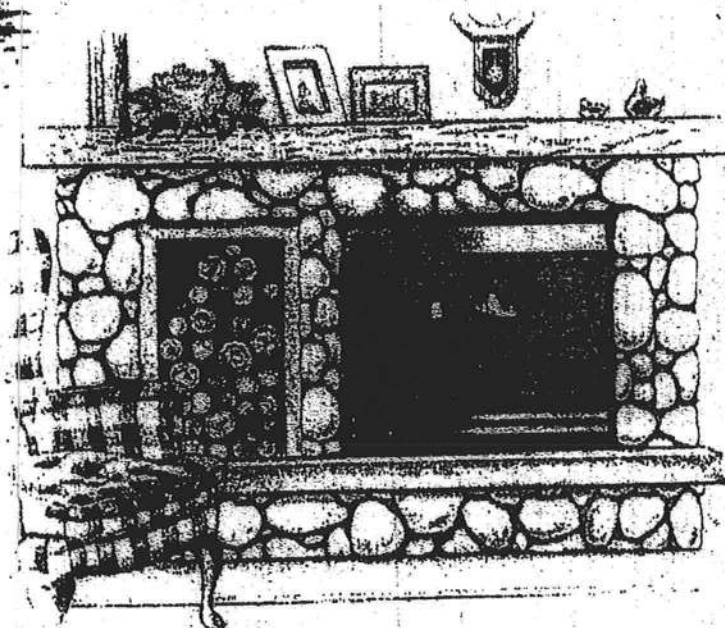


VF-4000

- 14,000 - 25,000 Btu/hr with manual control valve
- 19,500 - 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



VF-6000

- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

SUPERIOR



VF-4000/5000/6000



VF-6000 surround

Controls hidden in access compartment.



Optional FAB-1100 Blower.

Optional brass hoods, arches, glass panel and fine mesh screen.

Controls hidden in access compartment.



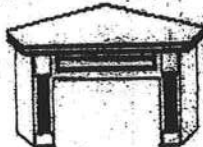
Optional FAB-1100 Blower.

Millivolt controls and piezo ignition operate during a power failure.

VF-5000/6000

SURROUNDS

The Charleston Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.



Distributed by:



Refractory tan brick panels



Gas Box liner kit



Squeeze brass trim kit



Brass Louver Kit (For VF-4 only)



Screen panel kit (For VF-5 & VF-6 only)



Arch kit (For VF-5 & VF-6 only)



Glass door kit (For VF-5 & VF-6 only)



Brass hood (For VF-5 & VF-6 only)

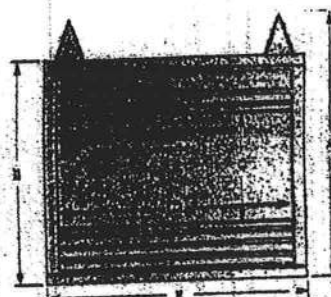


Wall switch or optional wireless remote available. (For VF-4MV, VF-5 & VF-6)

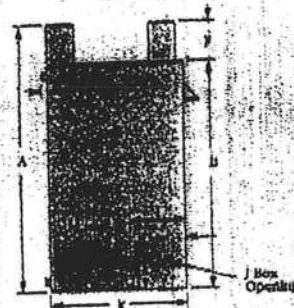


Wall thermostat (For VF-4MV, VF-5 & VF-6)

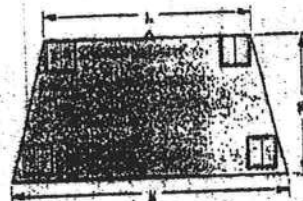
Front View



Left Side View



Top View



Vent-Free Product Dimensions

	VF-4000/5000C	VF-6000C
A	42-1/8"	42-1/8"
B	31-1/2"	36-5/8"
C	20"	20"
D	30"	34"
E	40"	40"
F	5-1/2"	5-1/2"
G	12-1/2"	12-1/2"
H	3-3/4"	3-3/4"
I	8-1/2"	8-1/2"
J	3"	3"
K	19-1/8"	19-1/8"
L	27"	28-1/2"

Btu Chart

Model	Natural	Propane
VF-4000 natural	14,000 - 25,000	14,000 - 25,000
VF-4000/5000 millivolt	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 32,000	25,000 - 32,000

Framing Dimension

Model	Width	Height	Depth
VF-4000/5000	37"	37-1/4"	15-1/2"
VF-6000	41"	42-3/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ANSI Z21.11.2 standard and approved by A.G.A. (Report # 12970017).

Consult your distributor for local fireplace code information.



SUPERIOR

www.LennoxHearthProducts.com

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Lennox Hearth Products Direct Vent heater and gas appliances include a 20-year limited warranty.

P/N 804424 REV. 2/00

May. 01 2003 07:51AM P2

FAX NO.: +386 758 4735

FROM: LAKE CITY INDUSTRIES

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 15-4S-16-03023-509

Building permit No. 000026983

Use Classification SFD, UTILITY

Fire: 19.26

Permit Holder JASON ELIXSON

Waste: 50.25

Owner of Building JASON ELIXSON

Total: 69.51

Location: 299 SW MORNING GLORY DR., LAKE CITY, FL

Date: 07/13/2009

Wayne H. Duce

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

FEEs:

ROAD IMPACT FEE 10100003632400	<u>\$1,046.00</u>	CODE	<u>210</u>	UNIT	<u>1</u>
EMS IMPACT FEE 10300003632210	<u>\$29.88</u>				
FIRE PROTECTION IMPACT FEE 10200003632220	<u>\$78.63</u>				
CORRECTIONS IMPACT FEE 00100003632200	<u>\$409.16</u>				
SCHOOL IMPACT FEE 00100003632900	<u>\$1,500.00</u>				
TOTAL FEES CHARGED	<u>\$3,063.67</u>	CHECK NUMBER			