

362 NE CLYDE AVE.
MAYO, FL 32066
(386)294-3988
(877)-558-6262

EXCISE HITSON PROPERTIES

EMERALD COVE LOT 5

110 MPH ASCE WIND LOAD

Roof Loading
TC Live: 20.00 psf
TC Dead: 10.00 psf
BC Live: 0.00 psf
BC Dead: 10.00 psf
TC Stress Inc: 25.00
BC Stress Inc: 25.00
Spacing: 2-0-0 o.c.

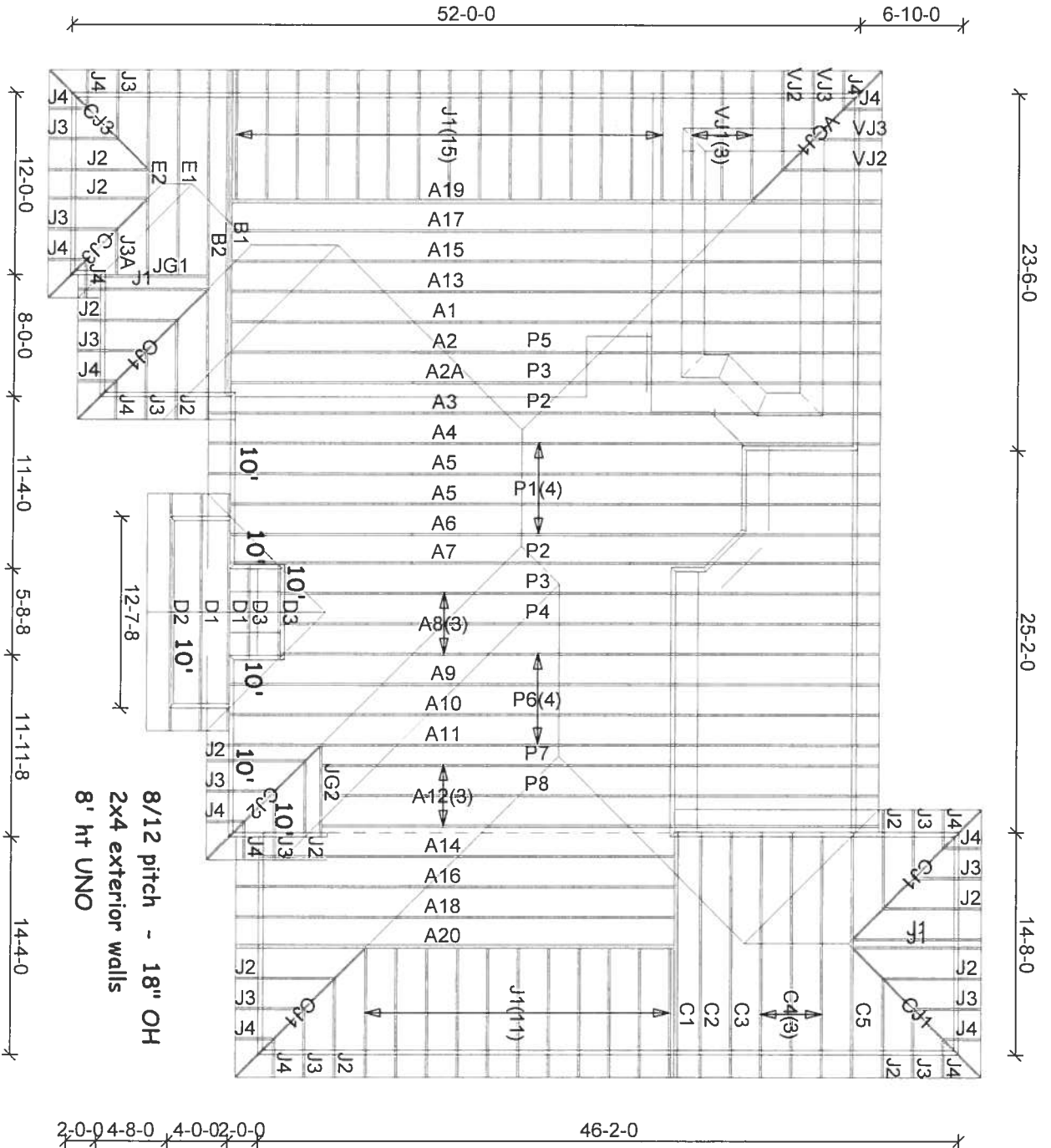
Account: CONTRACTORS

Job: HITSON-LOTS

Designer: M.MURRAY

Checker: M.MURRAY

Date: 04-17-06



Permit Number: _____ Lot Number: _____
 Miscellaneous: _____ Address: _____

The information in this box is for administrative purposes only and is not part of the engineering review.

Truss Fabricator: Mayo Truss Company, Inc

Job Reference: HITSON-LOT5 - EMERALD COVE LOT 5

Standard Loading:

T.C. Live	20 psf
T.C. Dead	10 psf
B.C. Live	0 psf
B.C. Dead	10 psf
Total	40 psf

**ROBBINS
ENGINEERING, INC.**

P.O. Box 280055
 Tampa, FL 33682-0055
 Phone: (813) 972-1135

Engineering Index Sheet

Index Page 1 of 1

ANSI/ASCE 7-02
 Wind Speed - 110 mph
 Mean Roof Ht. - 15 ft.
 Exposure Category - B
 Occupancy Factor - 1.00
 MWFRS
 Enclosed

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06040659	04/07/2006		55

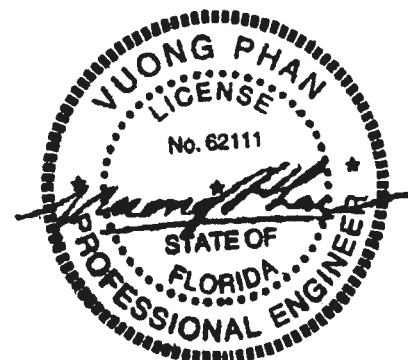
A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibilities for individual truss components fabricated in accordance with the listed and attached Truss Specification Sheets. Determination as to the suitability of these individual truss components for any structure is the responsibility of the Building Designer, as defined in ANSI/TPI 1-1995, Section 2.2. Permanent files of the original Truss Specification Sheet are maintained by Robbins Engineering, Inc. Questions regarding this Index Sheet and/or the attached Specification Sheets may be directed to the truss fabricator listed above or Robbins Engineering, Inc. (Software - Online Plus)

Notes: Refer to individual truss design drawings for special loading conditions.

Date Mark			Date Mark			Date Mark			Date Mark		
1	04/07/06	A1	2	04/07/06	A2	3	04/07/06	A2A	4	04/07/06	A3
5	04/07/06	A4	6	04/07/06	A5	7	04/07/06	A6	8	04/07/06	A7
9	04/07/06	A8	10	04/07/06	A9	11	04/07/06	A10	12	04/07/06	A11
13	04/07/06	A12	14	04/07/06	A13	15	04/07/06	A14	16	04/07/06	A15
17	04/07/06	A16	18	04/07/06	A17	19	04/07/06	A18	20	04/07/06	A19
21	04/07/06	A20	22	04/07/06	B1	23	04/07/06	B2	24	04/07/06	C1
25	04/07/06	C2	26	04/07/06	C3	27	04/07/06	C4	28	04/07/06	C5
29	04/07/06	CJ1	30	04/07/06	CJ2	31	04/07/06	CJ3	32	04/07/06	D1
33	04/07/06	D2	34	04/07/06	D3	35	04/07/06	E1	36	04/07/06	E2
37	04/07/06	J1	38	04/07/06	J2	39	04/07/06	J3	40	04/07/06	J3A
41	04/07/06	J4	42	04/07/06	JG1	43	04/07/06	JG2	44	04/07/06	P1
45	04/07/06	P2	46	04/07/06	P3	47	04/07/06	P4	48	04/07/06	P5
49	04/07/06	P6	50	04/07/06	P7	51	04/07/06	P8	52	04/07/06	VCJ1
53	04/07/06	VJ1	54	04/07/06	VJ2	55	04/07/06	VJ3			

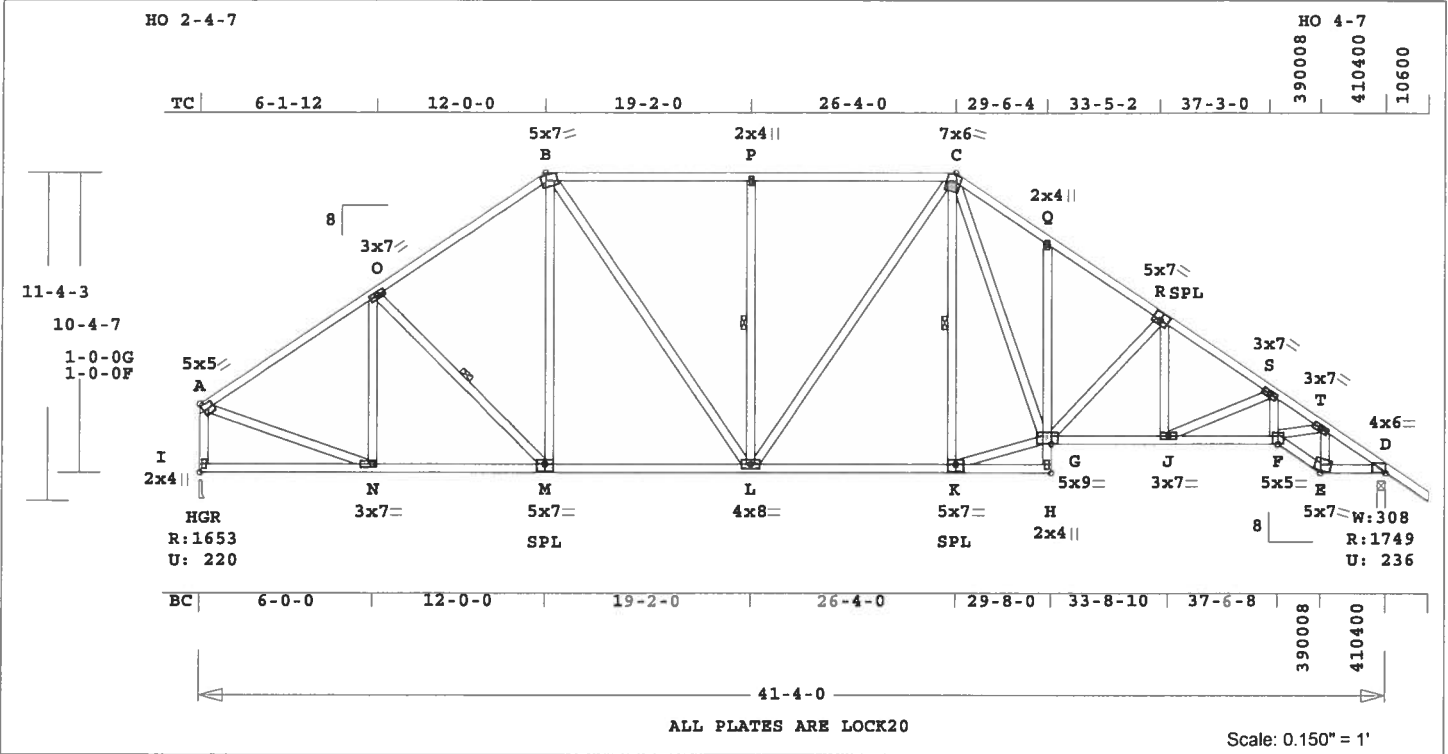


Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/7/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A1	1	SP	410400	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 384.3 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.60 2x 4 SP-#2
BC 0.82 2x 4 SP-#2
CW 0.11 2x 4 SP-#2
WB 0.28 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 41- 4- 0
BC Cont. 0- 0- 0 41- 4- 0
WB 1 rows CLB on O -M
WB 1 rows CLB on L -P
WB 1 rows CLB on K -C
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplft Size Req'd
Lbs Lbs In-Sx In-Sx
I 1653 221 3- 8 1-15
Hz = -261
D 1749 237 3- 8 2- 1
Hz = 225

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -O 0.40 1671 C 0.05 0.35
O -B 0.38 1688 C 0.01 0.37
B -P 0.60 1702 C 0.01 0.59
P -C 0.60 1702 C 0.01 0.59
C -Q 0.38 2332 C 0.03 0.35
Q -R 0.23 2390 C 0.04 0.19
R -S 0.24 2909 C 0.05 0.19
S -T 0.24 4185 C 0.12 0.12
T -D 0.22 2550 C 0.04 0.18
-----Bottom Chords-----
I -N 0.21 234 T 0.00 0.21
N -M 0.35 1407 T 0.23 0.12
M -L 0.42 1398 T 0.14 0.28
L -K 0.44 1558 T 0.16 0.28
K -H 0.20 55 T 0.00 0.20

G -J 0.50 2436 T 0.40 0.10
J -F 0.77 3429 T 0.57 0.20
F -E 0.82 2361 T 0.39 0.43
E -D 0.51 2072 T 0.34 0.17
-----Chord-Webs-----
H -G 0.11 28 T 0.00 0.11
G -Q 0.08 116 C 0.00 0.08
-----Webs-----
I -A 0.17 1602 C WindLd
A -N 0.27 1498 T
N -O 0.18 385 C
O -M 0.02 113 C 1 Br
M -B 0.03 257 T
B -L 0.18 531 T
L -P 0.16 493 C 1 Br
L -C 0.18 249 T
K -C 0.11 328 C 1 Br
K -G 0.28 1569 T
C -G 0.24 1170 T
G -R 0.27 664 C
J -R 0.09 488 T
J -S 0.23 1084 C
F -S 0.18 983 T
F -T 0.26 1442 T
E -T 0.11 1176 C

TL Defl -0.31" in G -J L/999
LL Defl -0.15" in G -J L/999
Hz Disp LL DL TL
Jt I 0.08" 0.08" 0.17"
Shear // Grain in P -C 0.32

Plates for each ply each face.
PLATING CONFORMS TO TPI.

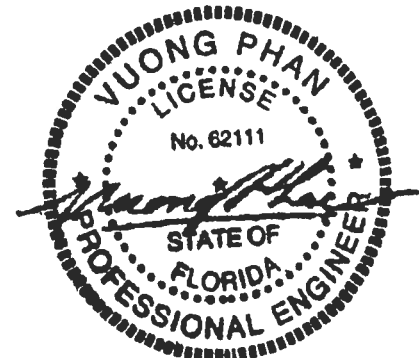
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 5.0x 5.0 Ctr Ctr 0.82
O LOCK 3.0x 7.0 Ctr Ctr 0.45
B LOCK 5.0x 7.0 1.6-3.4 0.75
P LOCK 2.0x 4.0 Ctr Ctr 0.48
C LOCK 7.0x 6.0-1.3-4.2 0.75
Q LOCK 2.0x 4.0 Ctr Ctr 0.23
R LOCK 5.0x 7.0 0.3 0.5 0.78
S LOCK 3.0x 7.0 Ctr Ctr 0.45
T LOCK 3.0x 7.0 Ctr Ctr 0.47
D LOCK 4.0x 6.0-0.5 0.4 0.75
I LOCK 2.0x 4.0 Ctr Ctr 0.57
N LOCK 3.0x 7.0 Ctr Ctr 0.52
M LOCK 5.0x 7.0 Ctr-0.5 0.81
L LOCK 4.0x 8.0 Ctr Ctr 0.46
K LOCK 5.0x 7.0 Ctr-0.5 0.81
H LOCK 2.0x 4.0 Ctr Ctr 0.60
G LOCK 5.0x 9.0 Ctr 0.8 0.82
J LOCK 3.0x 7.0 Ctr Ctr 0.49

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4185 Lbs

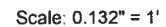
Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A1	1	SP	410400	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Quality Control Factor 1.25

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Date Sealed: 4/7/2006

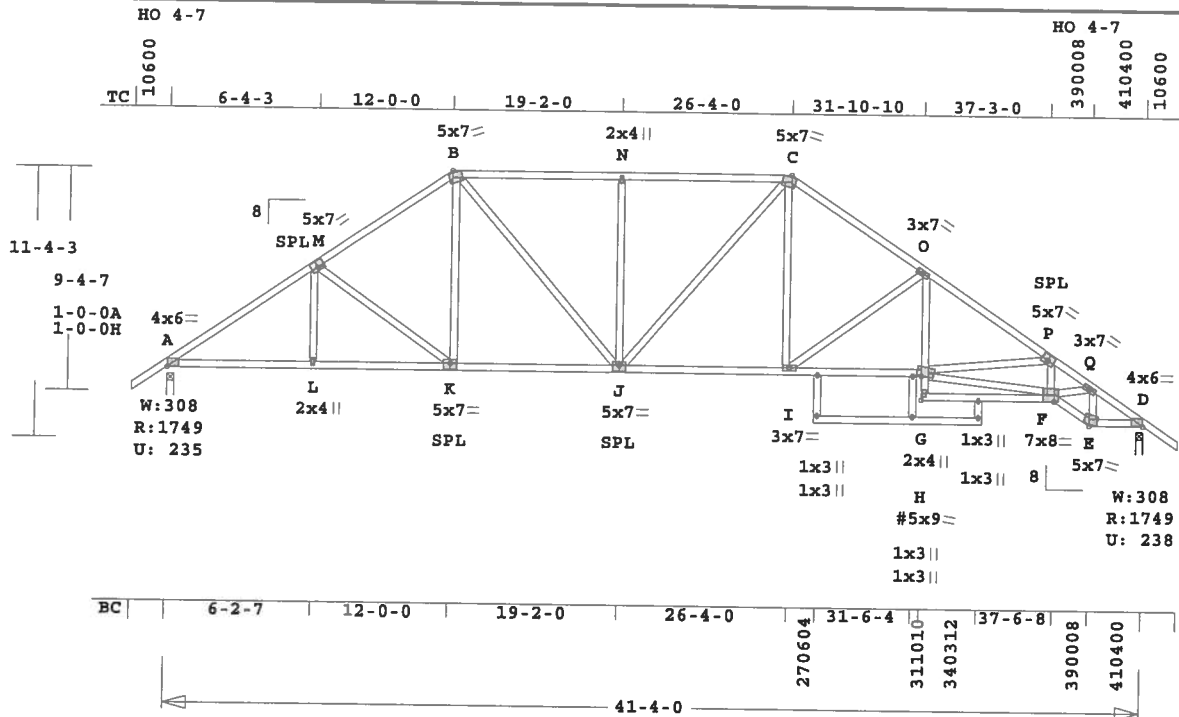
Job	Mark	Quan	Type	'Span'	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A2	1	SP	410400	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 4174 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A2A	1	SP	410400	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 4174 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A3	1	SP	410400	8	1- 6- 0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR

Scale: 0.123" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 349.3 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI	-Size-	-----Lumber-----
TC	0.60	2x 4 SP-#2
BC	0.63	2x 4 SP-#2
CW	0.40	2x 4 SP-#2
WB	0.67	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 0- 0
TC	2- 0- 0	12- 0- 0
TC Cont.	26- 4- 0	41- 4- 0
BC Cont.	0- 0- 0	41- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1749	236	3- 8	2- 1
			Hz = -208	
D	1749	238	3- 8	2- 1
			Hz = 217	

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -M	0.31	2486	C	0.09 0.22
M -B	0.32	2096	C	0.02 0.30
B -N	0.60	2123	C	0.02 0.58
N -C	0.60	2123	C	0.02 0.58
C -O	0.39	2349	C	0.03 0.36
O -P	0.46	3279	C	0.16 0.30
P -Q	0.32	4563	C	0.14 0.18
Q -D	0.22	2484	C	0.04 0.18
-----Bottom Chords-----				
A -L	0.44	2067	T	0.34 0.10
L -K	0.47	2067	T	0.34 0.13
K -J	0.44	1743	T	0.18 0.26
J -I	0.49	1952	T	0.32 0.17
I -H	0.63	2764	T	0.46 0.17
G -F	0.26	189	T	0.03 0.23
F -E	0.55	2411	T	0.40 0.15

E -D	0.49	2010	T	0.33	0.16
-----Chord-Webs-----					
G -H	0.40	114	T	0.01	0.39
H -O	0.38	769	T	0.14	0.24
-----Webs-----					
L -M	0.03	222	T		
M -K	0.25	390	C		
K -B	0.06	426	T		
B -J	0.13	577	T		
J -N	0.40	491	C		
J -C	0.15	261	T		
I -C	0.13	742	T		
I -O	0.63	993	C		
H -P	0.40	1104	C		
H -F	0.67	3681	T		
F -P	0.10	584	T		
F -Q	0.34	1847	T		
E -Q	0.13	1384	C		

TL Defl	-0.43"	in I -H	L/999
LL Defl	-0.21"	in I -H	L/999
Hz Disp	LL	DL	TL
Jt D	0.12"	0.12"	0.24"
Shear //	Grain	in N -C	0.32

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	- LOCK 20 Ga, Gross Area
Plate	- RHS 20 Ga, Gross Area
Jt Type	Plt Size X Y JSI
A LOCK	4.0x 6.0 0.5 0.4 0.75
M LOCK	5.0x 7.0 0.3 0.5 0.78
B LOCK	5.0x 7.0 1.6-3.4 0.75
N LOCK	2.0x 4.0 Ctr Ctr 0.48
C LOCK	5.0x 7.0 1.6-3.4 0.75
O LOCK	3.0x 7.0 Ctr Ctr 0.53
P LOCK	5.0x 7.0 0.3 0.5 0.78
Q LOCK	3.0x 7.0 Ctr Ctr 0.60
D LOCK	4.0x 6.0 0.5 0.4 0.75
L LOCK	2.0x 4.0 Ctr Ctr 0.48
K LOCK	5.0x 7.0 Ctr 0.5 0.81
J LOCK	5.0x 7.0 Ctr 0.5 0.81
I LOCK	3.0x 7.0 Ctr Ctr 0.45
H# LOCK	5.0x 9.0 0.4 1.4 0.96
G LOCK	2.0x 4.0 Ctr Ctr 0.60
F LOCK	7.0x 8.0 Ctr Ctr 0.78
E LOCK	5.0x 7.0 1.0 3.4 0.69

= Plate Monitor used

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

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 a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

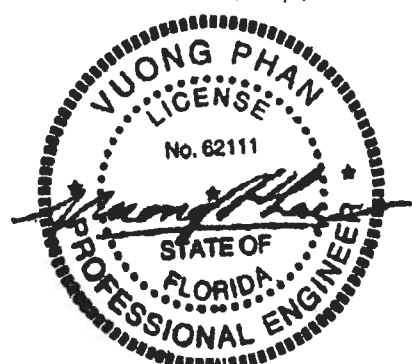
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

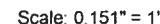
Max comp. force 4563 Lbs

Quality Control Factor 1.25

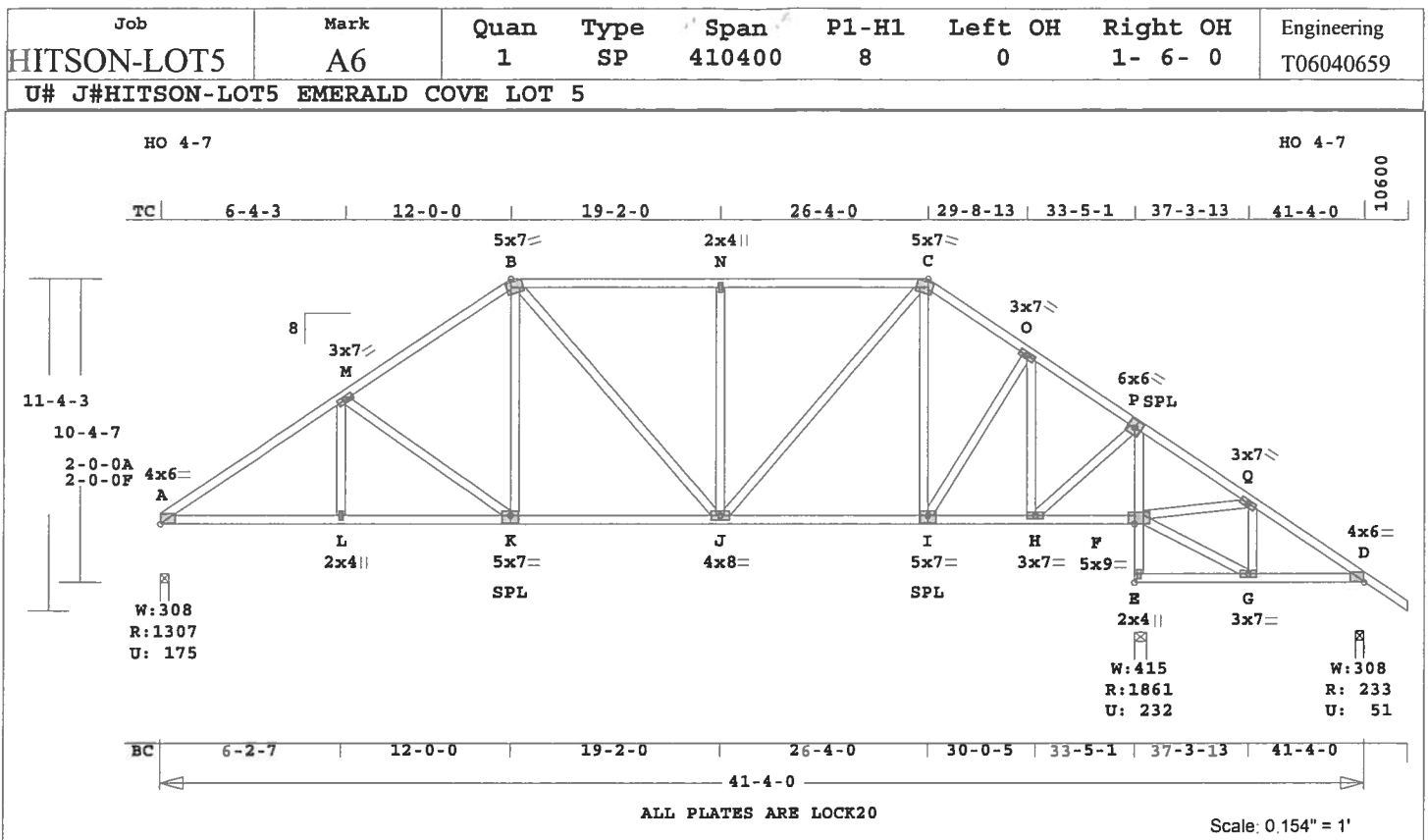
Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



U# J#HITSON-LOT5 EMERALD COVE LOT 5



Date Sealed: 4/7/2006



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 333.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI	Size	Lumber
TC	0.56	2x 4 SP-#2
BC	0.40	2x 4 SP-#2
CW	0.16	2x 4 SP-#2
WB	0.39	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 0- 0
TC	2- 0- 0	12- 0- 0
TC Cont.	26- 4- 0	41- 4- 0
BC Cont.	0- 0- 0	41- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1308	176	3- 8	1- 9
			Hz =	-208
E	1862	232	4-15	2- 1
D	233	51	3- 8	1- 8
			Hz =	217

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -M	0.30	1890	C	0.02	0.28
M -B	0.29	1484	C	0.01	0.28
B -N	0.56	1308	C	0.01	0.55
N -C	0.56	1308	C	0.01	0.55
C -O	0.14	996	C	0.00	0.14
O -P	0.15	687	C	0.00	0.15
P -Q	0.23	463	T	0.08	0.15
Q -D	0.14	89	T	0.00	0.14
-----Bottom Chords-----					
A -L	0.34	1573	T	0.26	0.08
L -K	0.38	1573	T	0.26	0.12
K -J	0.40	1230	T	0.12	0.28

J	I	0.36	837	T	0.08	0.28
I	-H	0.23	566	T	0.05	0.18
H	-F	0.09	382	C	0.00	0.09
E	-G	0.10	21	C	0.00	0.10
G	-D	0.10	128	T	0.00	0.10
-----Chord-Webs-----						
E	-F	0.16	1832	C	0.16	0.00
F	-P	0.15	1704	C	0.15	0.00
-----Webs-----						
L	-M	0.03	232	T		
M	-K	0.26	414	C		
K	-B	0.06	432	T		
B	-J	0.12	119	T		
J	-N	0.39	479	C		
J	-C	0.13	715	T		
I	-C	0.24	295	C		
I	-O	0.09	491	T		
H	-O	0.32	781	C		
H	-P	0.23	1260	T		
F	-Q	0.08	402	C		
F	-G	0.02	151	T		
G	-Q	0.02	173	T		

TL Defl -0.15" in K -J L/999
LL Defl -0.06" in K -J L/999
Shear // Grain in B -N 0.31

Plates for each ply each face.
PLATING CONFORMS TO TPI.

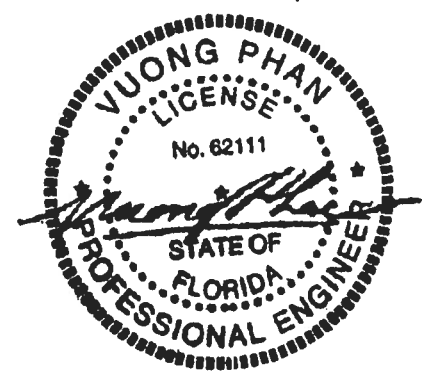
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 0.5 0.4 0.75
M LOCK 3.0x 7.0 Ctr Ctr 0.45
B LOCK 5.0x 7.0 1.6-3.4 0.75
N LOCK 2.0x 4.0 Ctr Ctr 0.48
C LOCK 5.0x 7.0-1.6-3.4 0.75
O LOCK 3.0x 7.0 Ctr Ctr 0.49
P LOCK 6.0x 6.0 Ctr 0.1 0.97
Q LOCK 3.0x 7.0 Ctr Ctr 0.45
D LOCK 4.0x 6.0-0.5 0.4 0.75
L LOCK 2.0x 4.0 Ctr Ctr 0.48
K LOCK 5.0x 7.0 Ctr 0.5 0.81
J LOCK 4.0x 8.0 Ctr Ctr 0.44
I LOCK 5.0x 7.0 Ctr 0.5 0.81
H LOCK 3.0x 7.0 Ctr Ctr 0.48
F LOCK 5.0x 9.0 Ctr 0.8 0.69
E LOCK 2.0x 4.0 Ctr Ctr 0.72
G LOCK 3.0x 7.0 Ctr Ctr 0.45

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

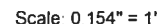
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1890 Lbs
Quality Control Factor 1.25

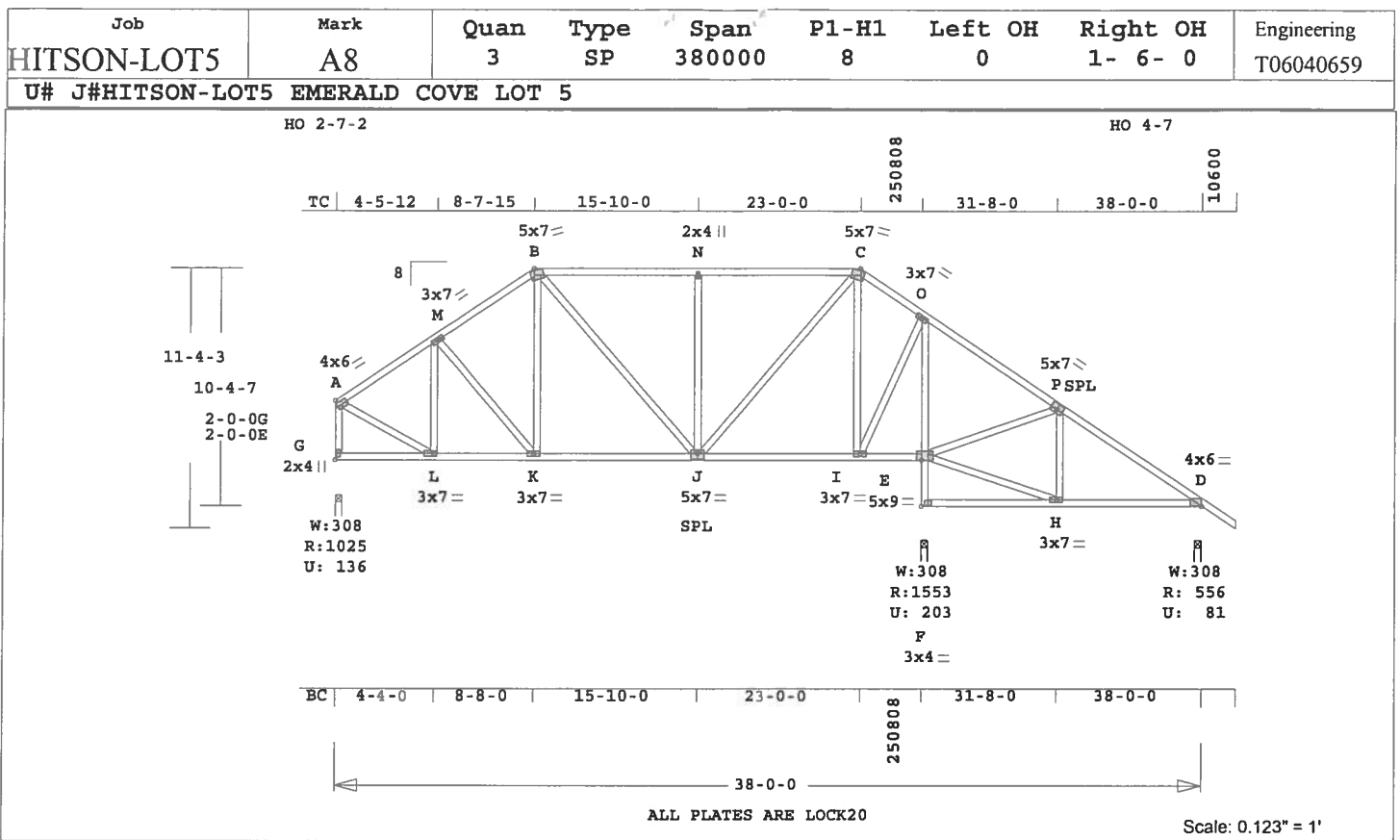
Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



U# J#HITSON-LOT5 EMERALD COVE LOT 5



Date Sealed: 4/7/2006



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 331.2 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI	-Size-	----Lumber----
TC	0.55	2x 4 SP-#2
BC	0.36	2x 4 SP-#2
CW	0.40	2x 4 SP-#2
WB	0.49	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	8- 7-15
TC 2- 0- 0	8- 7-15	23- 0- 0
TC Cont.	23- 0- 0	38- 0- 0
BC Cont.	0- 0- 0	38- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	1026	137	3- 8	1- 8
			Hz =	-234
F	1554	204	3- 8	1- 8
D	557	81	3- 8	1- 8
			Hz =	202

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -M	0.16	840	C	0.00 0.16
M -B	0.19	880	C	0.00 0.19
B -N	0.55	799	C	0.00 0.55
N -C	0.55	799	C	0.00 0.55
C -O	0.22	386	C	0.00 0.22
O -P	0.38	59	T	0.00 0.38
P -D	0.38	435	C	0.00 0.38
-----Bottom Chords-----				
G -L	0.09	204	T	0.00 0.09
L -K	0.25	709	T	0.07 0.18
K -J	0.36	733	T	0.07 0.29
J -I	0.32	314	T	0.03 0.29

I -E	0.18	151	T	0.00 0.18
F -H	0.25	7	C	0.00 0.25
H -D	0.28	373	T	0.03 0.25

F -E	0.13	1510	C	0.13 0.00
E -O	0.40	1212	C	0.38 0.02

G -A	0.11	987	C	WindLd
------	------	-----	---	--------

A -L	0.15	815	T	
L -M	0.10	315	C	
M -K	0.03	72	T	
K -B	0.03	204	T	
B -J	0.10	100	T	
J -N	0.39	478	C	
J -C	0.14	736	T	
I -C	0.49	600	C	
I -O	0.14	785	T	
E -P	0.21	438	C	
E -H	0.07	401	T	
H -P	0.02	191	T	

TL Defl -0.07" in F -H L/999
LL Defl -0.03" in F -H L/999
Shear // Grain in B -N 0.31

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	- LOCK 20 Ga, Gross Area			
Plate - RHS	20 Ga, Gross Area			
Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	0.1	0.1	0.79
M LOCK	3.0x 7.0	Ctr	Ctr	0.44
B LOCK	5.0x 7.0	1.6-3.4	0.72	
N LOCK	2.0x 4.0	Ctr	Ctr	0.46
C LOCK	5.0x 7.0	1.6-3.4	0.72	
O LOCK	3.0x 7.0	Ctr	Ctr	0.54
P LOCK	5.0x 7.0	0.3	0.5	0.75
D LOCK	4.0x 6.0	0.5	0.4	0.72
G LOCK	2.0x 4.0	Ctr	Ctr	0.53
L LOCK	3.0x 7.0	Ctr	Ctr	0.43
K LOCK	3.0x 7.0	Ctr	Ctr	0.48
J LOCK	5.0x 7.0	Ctr	0.5	0.77
I LOCK	3.0x 7.0	Ctr	Ctr	0.55
E LOCK	5.0x 9.0	Ctr	0.8	0.66
F LOCK	3.0x 4.0	Ctr	Ctr	0.71
H LOCK	3.0x 7.0	Ctr	Ctr	0.51

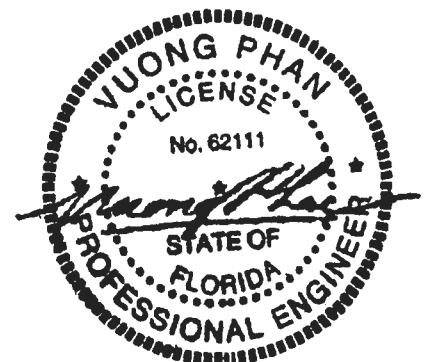
REVIEWED BY:
Robbins Engineering, Inc.

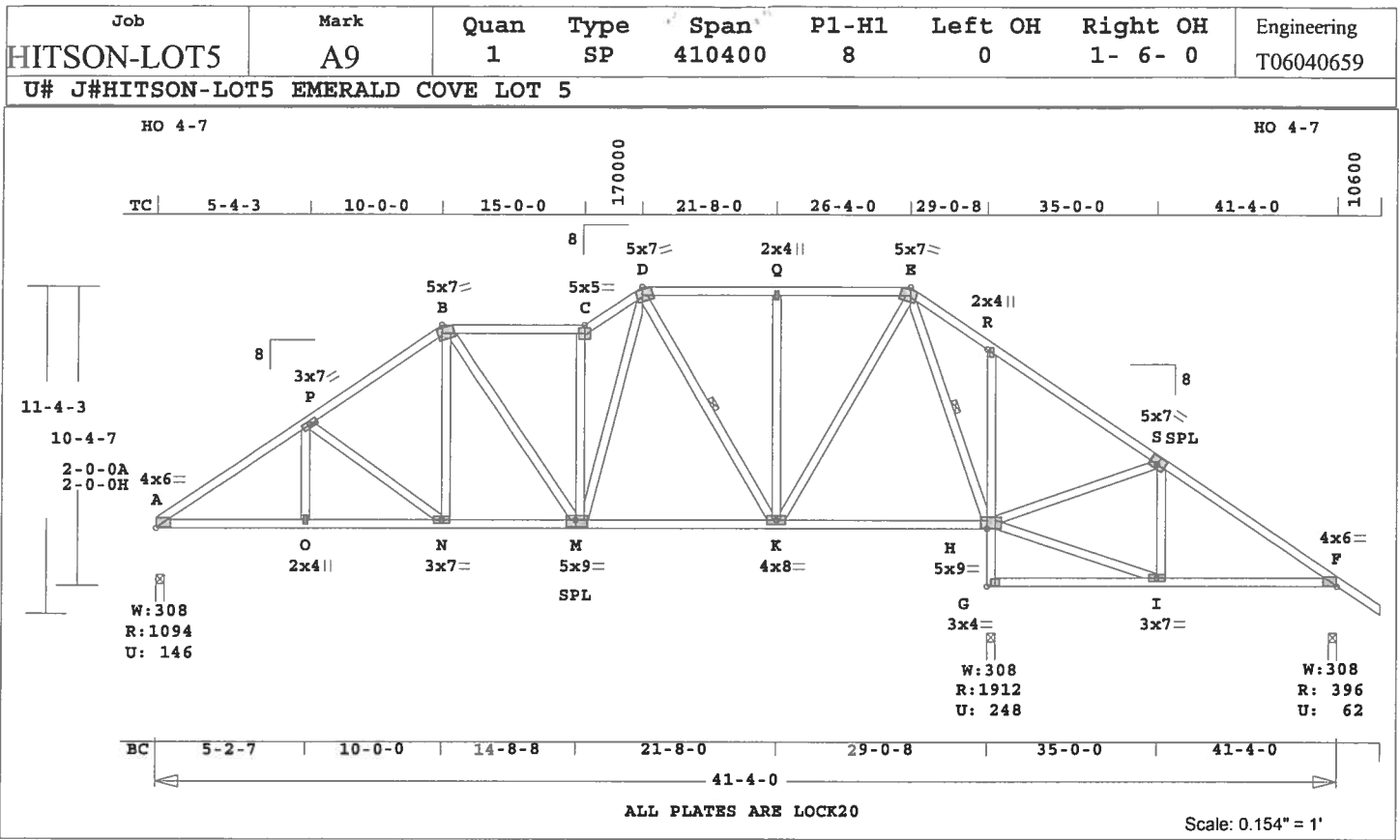
PO Box 280055
Tampa, FL 33682

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1510 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 351.4 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

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

TC	BC	CW	WB
0.42	0.37	0.22	0.48
2x 4	2x 4	2x 4	2x 4
SP-#2	SP-#2	SP-#2	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	17- 0- 0
TC 2- 0- 0	17- 0- 0	26- 4- 0
TC Cont.	26- 4- 0	41- 4- 0
BC Cont.	0- 0- 0	41- 4- 0

WB 1 rows CLB on D -K
WB 1 rows CLB on E -H
Attach CLB with (2)-10d nails
at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1094	146	3- 8	1- 8
			Hx =	-207
G	1912	249	3- 8	1- 8
F	396	63	3- 8	1- 8
			Hx =	216

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -P	0.19	1565	C	0.01 0.18
P -B	0.19	1234	C	0.01 0.18
B -C	0.20	1097	C	0.01 0.19
C -D	0.21	1268	C	0.01 0.20
D -Q	0.20	615	C	0.00 0.20
Q -E	0.22	615	C	0.00 0.22
E -R	0.33	344	T	0.05 0.28
R -S	0.42	399	T	0.05 0.37
S -F	0.37	156	C	0.00 0.37
-----Bottom Chords-----				

A	-O	0.26	1301	T	0.21	0.05
O <td>-N</td> <td>0.27</td> <td>1301</td> <td>T</td> <td>0.21</td> <td>0.06</td>	-N	0.27	1301	T	0.21	0.06
N <td>-M</td> <td>0.26</td> <td>1023</td> <td>T</td> <td>0.17</td> <td>0.09</td>	-M	0.26	1023	T	0.17	0.09
M <td>-K</td> <td>0.37</td> <td>858</td> <td>T</td> <td>0.08</td> <td>0.29</td>	-K	0.37	858	T	0.08	0.29
K <td>-H</td> <td>0.29</td> <td>161</td> <td>T</td> <td>0.00</td> <td>0.29</td>	-H	0.29	161	T	0.00	0.29
H <td>-I</td> <td>0.26</td> <td>61</td> <td>C</td> <td>0.00</td> <td>0.26</td>	-I	0.26	61	C	0.00	0.26
I <td>-F</td> <td>0.27</td> <td>205</td> <td>T</td> <td>0.01</td> <td>0.26</td>	-F	0.27	205	T	0.01	0.26
-----Chord-Webs-----						
G <td>-H</td> <td>0.22</td> <td>1869</td> <td>C</td> <td>0.01</td> <td>0.21</td>	-H	0.22	1869	C	0.01	0.21
H <td>-R</td> <td>0.08</td> <td>354</td> <td>C</td> <td>0.03</td> <td>0.05</td>	-R	0.08	354	C	0.03	0.05
-----Webs-----						
O <td>-P</td> <td>0.03</td> <td>197</td> <td>T</td> <td></td> <td></td>	-P	0.03	197	T		
P <td>-N</td> <td>0.15</td> <td>336</td> <td>C</td> <td></td> <td></td>	-N	0.15	336	C		
N <td>-B</td> <td>0.05</td> <td>327</td> <td>T</td> <td></td> <td></td>	-B	0.05	327	T		
B <td>-M</td> <td>0.04</td> <td>129</td> <td>T</td> <td></td> <td></td>	-M	0.04	129	T		
M <td>-C</td> <td>0.48</td> <td>858</td> <td>C</td> <td></td> <td></td>	-C	0.48	858	C		
M <td>-D</td> <td>0.16</td> <td>897</td> <td>T</td> <td></td> <td></td>	-D	0.16	897	T		
D <td>-K</td> <td>0.13</td> <td>472</td> <td>C</td> <td>1 Br</td> <td></td>	-K	0.13	472	C	1 Br	
K <td>-Q</td> <td>0.23</td> <td>293</td> <td>C</td> <td></td> <td></td>	-Q	0.23	293	C		
K <td>-E</td> <td>0.18</td> <td>987</td> <td>T</td> <td></td> <td></td>	-E	0.18	987	T		
E <td>-H</td> <td>0.31</td> <td>1283</td> <td>C</td> <td>1 Br</td> <td></td>	-H	0.31	1283	C	1 Br	
H <td>-S</td> <td>0.25</td> <td>509</td> <td>C</td> <td></td> <td></td>	-S	0.25	509	C		
H <td>-I</td> <td>0.03</td> <td>232</td> <td>T</td> <td></td> <td></td>	-I	0.03	232	T		
I <td>-S</td> <td>0.03</td> <td>239</td> <td>T</td> <td></td> <td></td>	-S	0.03	239	T		

TL Defl -0.06" in G -I L/999
LL Defl -0.03" in G -I L/999
Shear // Grain in S -F 0.21

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

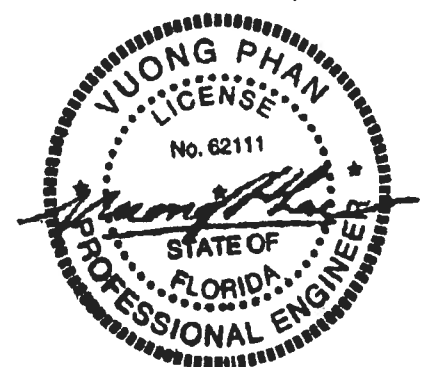
Plate	- LOCK	20 Ga,	Gross Area
Plate	- RHS	20 Ga,	Gross Area
Jt Type	Plt Size	X	Y JSI
A LOCK	4.0x 6.0	0.5	0.4 0.75
P LOCK	3.0x 7.0	Ctr	Ctr 0.45
B LOCK	5.0x 7.0	1.6-3.4	0.75
C LOCK	5.0x 5.0	Ctr	Ctr 0.97
D LOCK	5.0x 7.0	1.0-3.4	0.85
Q LOCK	2.0x 4.0	Ctr	Ctr 0.48
E LOCK	5.0x 7.0	1.0-3.4	0.85
R LOCK	2.0x 4.0	Ctr	Ctr 0.23
S LOCK	5.0x 7.0	0.3	0.5 0.78
F LOCK	4.0x 6.0	-0.5	0.4 0.75
O LOCK	2.0x 4.0	Ctr	Ctr 0.48
N LOCK	3.0x 7.0	Ctr	Ctr 0.45
M LOCK	5.0x 9.0	0.5-0.5	0.81
K LOCK	4.0x 8.0	Ctr	Ctr 0.48
H LOCK	5.0x 9.0	Ctr	0.8 0.81
G LOCK	3.0x 4.0	Ctr	Ctr 0.88
I LOCK	3.0x 7.0	Ctr	Ctr 0.53

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

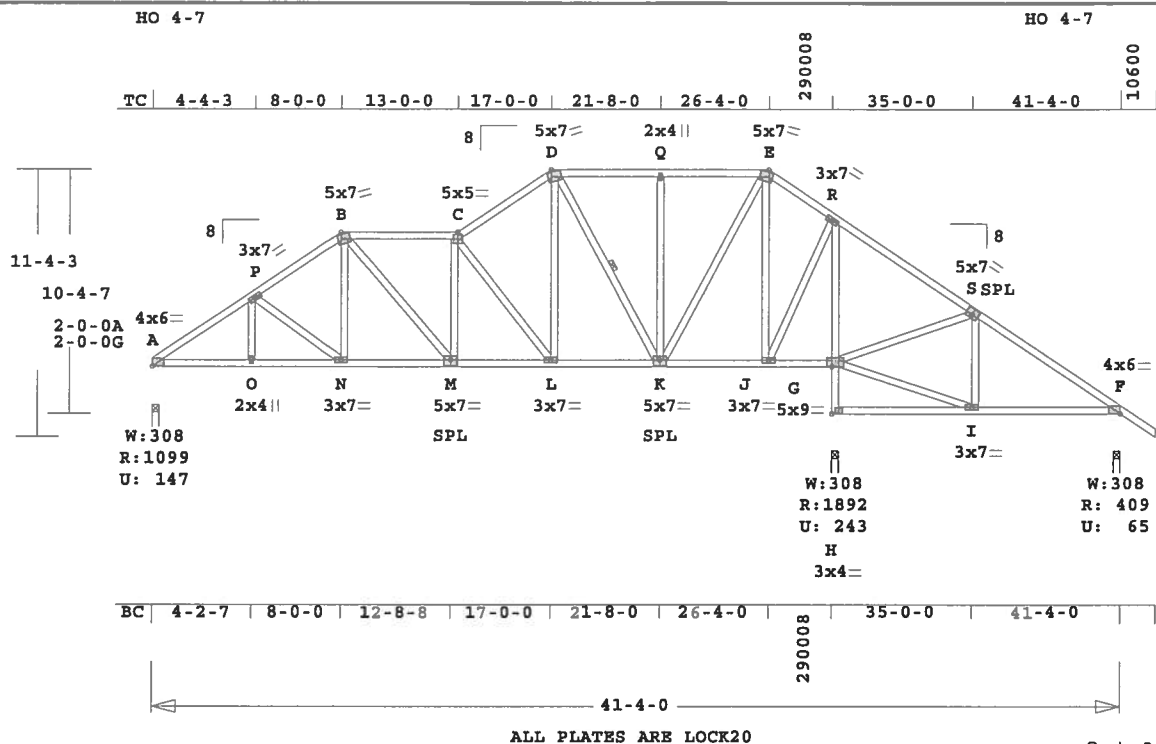
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1869 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job HITSON-LOT5	Mark A10	Quan 1	Type SP	Span 410400	Pl-H1 8	Left OH 0	Right OH 1- 6- 0	Engineering T06040659
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U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 363.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ----Lumber-----
TC 0.43 2x 4 SP-#2
BC 0.30 2x 4 SP-#2
CW 0.71 2x 4 SP-#2
WB 0.73 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 17- 0- 0
TC 2- 0- 0 17- 0- 0 26- 4- 0
TC Cont. 26- 4- 0 41- 4- 0
BC Cont. 0- 0- 0 41- 4- 0
WB 1 rows CLB on D -K
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1100	148	3- 8	1- 8
			Hz =	-206
H	1893	244	3- 8	1- 8
F	410	66	3- 8	1- 8
			Hz =	216

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -P	0.14	1605	C	0.01 0.13
P -B	0.17	1374	C	0.01 0.16
B -C	0.22	1388	C	0.01 0.21
C -D	0.19	1028	C	0.00 0.19
D -Q	0.21	624	C	0.00 0.21
Q -E	0.21	624	C	0.00 0.21
E -R	0.25	211	C	0.00 0.25
R -S	0.43	376	T	0.04 0.39
S -F	0.39	181	C	0.00 0.39
-----Bottom Chords-----				
A -O	0.30	1328	T	0.22 0.08
O -N	0.28	1328	T	0.22 0.06
N -M	0.25	1146	T	0.19 0.06

M -L	0.27	1392	T	0.23 0.04
L -K	0.20	864	T	0.14 0.06
K -J	0.12	161	T	0.01 0.11
J -G	0.07	317	C	0.00 0.07
H -I	0.26	17	C	0.00 0.26
I -F	0.27	216	T	0.01 0.26
-----Chord-Webs-----				
H -G	0.17	1850	C	0.17 0.00
G -R	0.71	1576	C	0.65 0.06
-----Webs-----				
O -P	0.02	134	T	
P -N	0.06	220	C	
N -B	0.04	277	T	
B -M	0.06	367	T	
M -C	0.06	187	C	
C -L	0.47	827	C	
L -D	0.13	729	T	
D -K	0.13	489	C	1 Br
K -Q	0.24	303	C	
K -E	0.17	948	T	
J -E	0.73	896	C	
J -R	0.19	1067	T	
G -S	0.25	513	C	
G -I	0.03	232	T	
I -S	0.03	248	T	

TL Defl -0.06" in H -I L/999
LL Defl -0.06" in M -L L/999
Shear // Grain in S -F 0.22

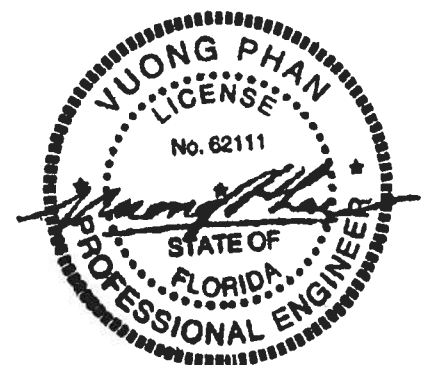
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 0.5 0.4 0.75
P LOCK 3.0x 7.0 Ctr Ctr 0.45
B LOCK 5.0x 7.0 1.6-3.4 0.75
C LOCK 5.0x 5.0 Ctr Ctr 0.97
D LOCK 5.0x 7.0 1.6-3.4 0.75
Q LOCK 2.0x 4.0 Ctr Ctr 0.48
E LOCK 5.0x 7.0-1.6-3.4 0.75
R LOCK 3.0x 7.0 Ctr Ctr 0.74
S LOCK 5.0x 7.0 0.3 0.5 0.78
F LOCK 4.0x 6.0-0.5 0.4 0.75
O LOCK 2.0x 4.0 Ctr Ctr 0.48
N LOCK 3.0x 7.0 Ctr Ctr 0.45
M LOCK 5.0x 7.0 Ctr-0.5 0.81
L LOCK 3.0x 7.0 Ctr Ctr 0.49
K LOCK 5.0x 7.0 Ctr-0.5 0.81
J LOCK 3.0x 7.0 Ctr Ctr 0.65
G LOCK 5.0x 9.0 Ctr 0.8 0.69
H LOCK 3.0x 4.0 Ctr Ctr 0.87
I LOCK 3.0x 7.0 Ctr Ctr 0.53

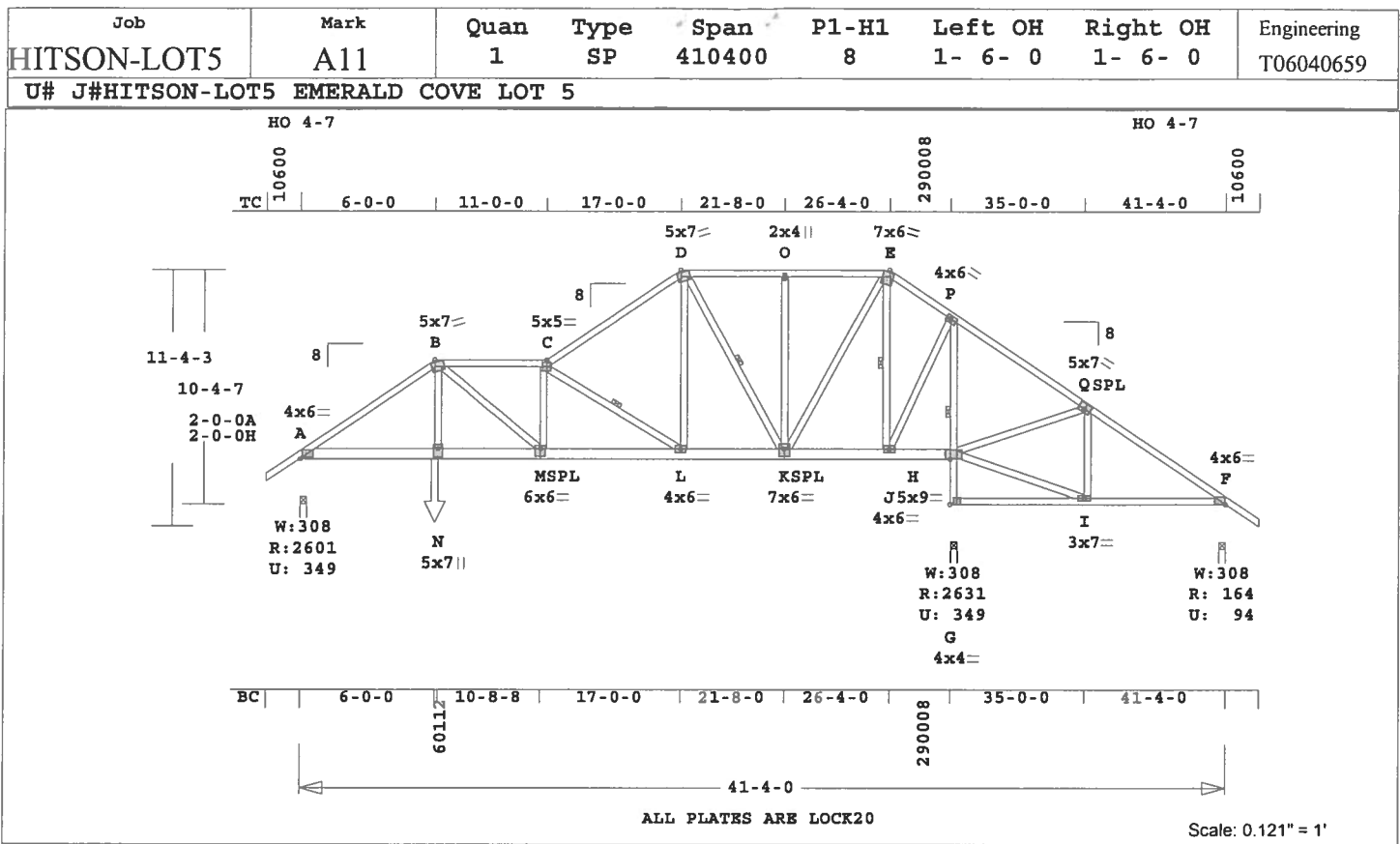
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1850 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 372.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.81 2x 4 SP-#2
BC 0.58 2x 6 SP-#2
EX G -F 2x 4 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 17- 0- 0
TC 2- 0- 0 17- 0- 0 26- 4- 0
TC Cont. 26- 4- 0 41- 4- 0
BC Cont. 0- 0- 0 41- 4- 0
WB 1 rows CLB on C -L
WB 1 rows CLB on D -K
WB 1 rows CLB on J -E
WB 1 rows CLB on H -P
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Load Case # 1 Standard Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
plf - Live Dead From To
TC V 40 20 0.0' 41.3'
BC V 0 20 0.0' 41.3'
BC V 950 950 6.0' CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
A 2601 350 3- 8 3- 1
Hz = -206
G 2632 349 3- 8 1- 8
F 165 95 3- 8 1- 8
Hz = 215

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -B 0.63 4033 C 0.12 0.51
B -C 0.81 3382 C 0.09 0.72

Bottom Chords
A -N 0.58 3373 T 0.45 0.13
N -M 0.57 3321 T 0.44 0.13
M -L 0.53 3380 T 0.45 0.08
L -K 0.20 1253 T 0.16 0.04
K -J 0.05 191 T 0.00 0.05
J -H 0.11 794 C 0.00 0.11
G -I 0.31 43 C 0.00 0.31
I -F 0.31 230 C 0.00 0.31
Chord Webs
G -H 0.23 2590 C 0.05 0.18
H -P 0.21 2364 C 0.21 0.00
Webs
N -B 0.35 2022 T
B -M 0.03 81 C
M -C 0.04 303 T
C -L 0.47 2476 C 1 Br
L -D 0.26 1419 T
D -K 0.29 1074 C 1 Br
K -O 0.22 286 C
K -E 0.27 1504 T
J -E 0.32 1493 C 1 Br
J -P 0.31 1710 T
H -Q 0.31 646 C
H -I 0.10 202 C
I -Q 0.05 366 T
TL Defl -0.29" in N -M L/999
LL Defl -0.14" in N -M L/999
Shear // Grain in B -C 0.31

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr Ctr 0.93
B LOCK 5.0x 7.0 1.6-3.4 0.75
C LOCK 5.0x 5.0 Ctr Ctr 0.97
D LOCK 5.0x 7.0 1.6-3.4 0.75
O LOCK 2.0x 4.0 Ctr Ctr 0.48
E LOCK 7.0x 6.0-1.3-4.2 0.79
P LOCK 4.0x 6.0 0.4-0.3 0.84
Q LOCK 5.0x 7.0 0.3 0.5 0.78
F LOCK 4.0x 6.0-0.5 0.4 0.75
N LOCK 5.0x 7.0 Ctr-1.2 0.87
M LOCK 6.0x 6.0 Ctr-1.2 0.64
L LOCK 4.0x 6.0 Ctr Ctr 0.66
K LOCK 7.0x 6.0 Ctr-0.8 0.89

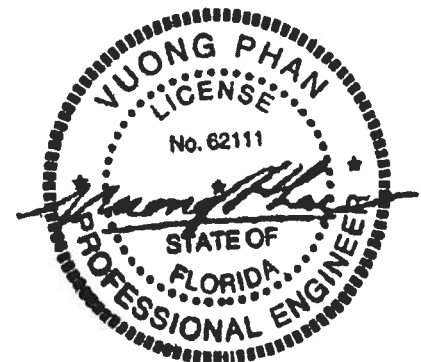
J LOCK 4.0x 6.0 Ctr Ctr 0.74
H LOCK 5.0x 9.0 Ctr Ctr 0.77
G LOCK 4.0x 4.0 Ctr 0.2 0.91
I LOCK 3.0x 7.0 Ctr Ctr 0.52

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682

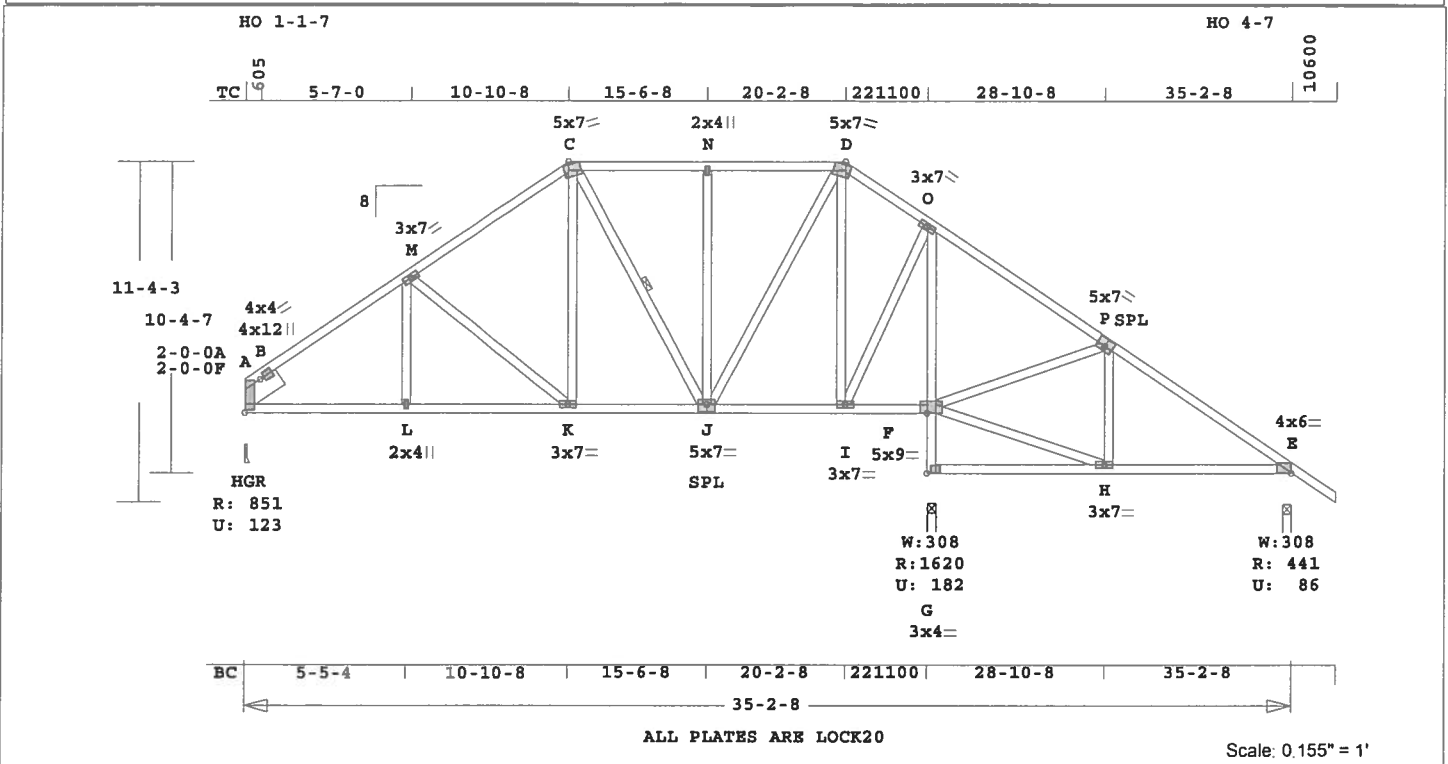


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A11	1	SP	410400	8	1- 6- 0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 4033 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A12	3	SP	350208	8	0	1- 6- 0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 308.4 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---

TC	0.49	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
CW	0.47	2x 4	SP-#2
WB	0.55	2x 4	SP-#2
SL	0.03	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	10-10- 8
TC 2- 0- 0	10-10- 8	20- 2- 8
TC Cont.	20- 2- 8	35- 2- 8
BC Cont.	0- 0- 0	35- 2- 8

WB 1 rows CLB on C -J
Attach CLB with (2)-10d nails
at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	852	124	3- 8	1- 8
			Hx =	-193
G	1620	182	3- 8	1- 8
E	441	86	3- 8	1- 8
			Hx =	203

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
B -B	0.49		428 C	0.00	0.49
B -M	0.49		935 C	0.00	0.49
M -C	0.25		676 C	0.00	0.25
C -N	0.20		443 C	0.00	0.20
N -D	0.20		443 C	0.00	0.20
D -O	0.24		168 T	0.00	0.24
O -P	0.41		305 T	0.03	0.38
P -E	0.38		235 C	0.00	0.38
-----Bottom Chords-----					

B -L	0.62	758 T	0.12	0.50
L -K	0.25	758 T	0.12	0.13
K -J	0.21	561 T	0.09	0.12
J -I	0.10	144 T	0.01	0.09
I -F	0.08	259 C	0.00	0.08
G -H	0.26	13 C	0.00	0.26
H -E	0.28	209 T	0.02	0.26
-----Chord-Webs-----				
G -F	0.14	1577 C	0.14	0.00
F -O	0.47	1298 C	0.44	0.03
-----Webs-----				
L -M	0.02	162 T		
M -K	0.15	247 C		
K -C	0.05	335 T		
C -J	0.06	241 C		1 Br
J -N	0.23	289 C		
J -D	0.12	667 T		
I -D	0.55	683 C		
I -O	0.15	839 T		
F -P	0.24	498 C		
F -H	0.04	233 T		
H -P	0.03	237 T		
-----Sliders-----				
B -B	0.03	740 C		

TL Defl -0.13" in L -K L/999
LL Defl -0.06" in L -K L/999
Shear // Grain in B -B 0.37

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

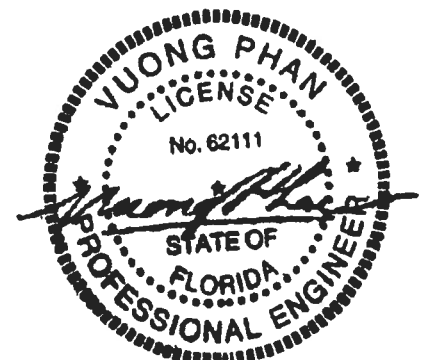
Plate	LOCK	20 Ga,	Gross Area
Plate	RHS	20 Ga,	Gross Area
Jt Type	Plt Size	X	Y JSI
B LOCK	4.0x12.0	2.0	0.7 0.90
B LOCK	4.0x 4.0	Ctr	Ctr 0.77
M LOCK	3.0x 7.0	Ctr	Ctr 0.44
C LOCK	5.0x 7.0	1.6-3.4	0.69
N LOCK	2.0x 4.0	Ctr	Ctr 0.45
D LOCK	5.0x 7.0	1.6-3.4	0.69
O LOCK	3.0x 7.0	Ctr	Ctr 0.58
P LOCK	5.0x 7.0	0.3	0.5 0.72
E LOCK	4.0x 6.0	0.5	0.4 0.69
L LOCK	2.0x 4.0	Ctr	Ctr 0.45
K LOCK	3.0x 7.0	Ctr	Ctr 0.43
J LOCK	5.0x 7.0	Ctr	0.5 0.74
I LOCK	3.0x 7.0	Ctr	Ctr 0.53
F LOCK	5.0x 9.0	Ctr	0.8 0.64
G LOCK	3.0x 4.0	Ctr	Ctr 0.74
H LOCK	3.0x 7.0	Ctr	Ctr 0.50

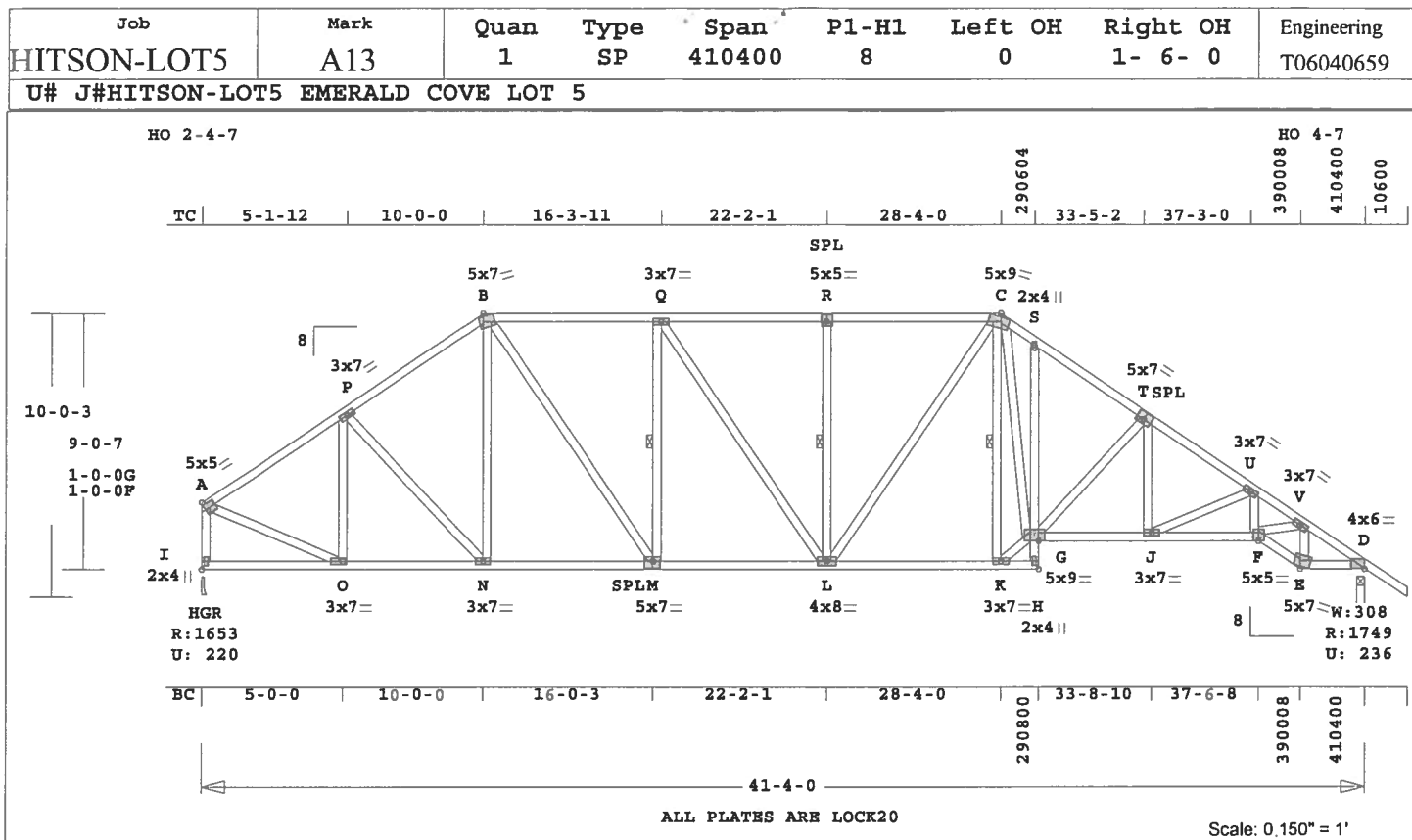
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1577 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 392.6 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.37 2x 4 SP-#2
BC 0.82 2x 4 SP-#2
CW 0.20 2x 4 SP-#2
WB 0.36 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 41- 4- 0
BC Cont. 0- 0- 0 41- 4- 0
WB 1 rows CLB on M -Q
WB 1 rows CLB on L -R
WB 1 rows CLB on K -C
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
I	1653	221	3- 8	1-15
			Hz =	-229
D	1749	237	3- 8	2- 1
			Hz =	194

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -P	0.26	1592	C	0.03	0.23
P -B	0.26	1723	C	0.02	0.24
B -Q	0.37	1862	C	0.02	0.35
Q -R	0.37	1942	C	0.02	0.35
R -C	0.37	1942	C	0.02	0.35
C -S	0.28	2284	C	0.03	0.25
S -T	0.23	2385	C	0.04	0.19
T -U	0.24	2911	C	0.05	0.19
U -V	0.24	4184	C	0.12	0.12
V -D	0.22	2551	C	0.04	0.18
-----Bottom Chords-----					
I -O	0.14	202	T	0.00	0.14
O -N	0.31	1337	T	0.22	0.09
N -M	0.36	1432	T	0.24	0.12
M -L	0.43	1862	T	0.31	0.12

L -K	0.46	1679	T	0.28	0.18
K -H	0.20	98	T	0.00	0.20
G -J	0.52	2438	T	0.40	0.12
J -F	0.77	3429	T	0.57	0.20
F -E	0.82	2361	T	0.39	0.43
E -D	0.51	2072	T	0.34	0.17
-----Chord-Webs-----					
H -G	0.20	70	C	0.00	0.20
G -S	0.10	64	T	0.00	0.10
-----Webs-----					
I -A	0.17	1610	C	WindLd	
A -O	0.27	1462	T		
O -P	0.18	484	C		
P -N	0.03	137	T		
N -B	0.02	141	T		
B -M	0.14	756	T		
M -Q	0.12	496	C		1 Br
Q -L	0.04	141	T		
L -R	0.09	380	C		1 Br
L -C	0.12	455	T		
K -C	0.26	1033	C		1 Br
K -G	0.36	1981	T		
C -G	0.30	1650	T		
G -T	0.28	674	C		
J -T	0.09	498	T		
J -U	0.23	1081	C		
F -U	0.18	981	T		
F -V	0.26	1441	T		
E -V	0.11	1175	C		

TL Defl	-0.33"	in G -J	L/999		
LL Defl	-0.16"	in G -J	L/999		
Hx Disp	LL	DL	TL		
Jt I	0.10"	0.09"	0.19"		
Shear //	Grain	in B -Q	0.26		

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JST
A LOCK 5.0x 5.0 Ctr Ctr 0.82
P LOCK 3.0x 7.0 Ctr Ctr 0.45
B LOCK 5.0x 7.0 1.6-3.4 0.75
Q LOCK 3.0x 7.0 Ctr Ctr 0.51
R LOCK 5.0x 5.0 Ctr 0.5 0.81
C LOCK 5.0x 9.0-1.1-3.7 0.70
S LOCK 2.0x 4.0 Ctr Ctr 0.23
T LOCK 5.0x 7.0 0.3 0.5 0.78
U LOCK 3.0x 7.0 Ctr Ctr 0.45
V LOCK 3.0x 7.0 Ctr Ctr 0.47
D LOCK 4.0x 6.0-0.5 0.4 0.75
I LOCK 2.0x 4.0 Ctr Ctr 0.57
O LOCK 3.0x 7.0 Ctr Ctr 0.48
N LOCK 3.0x 7.0 Ctr Ctr 0.48

M LOCK	5.0x 7.0	Ctr-0.5	0.81		
L LOCK	4.0x 8.0	Ctr Ctr	0.46		
K LOCK	3.0x 7.0	Ctr Ctr	0.73		
H LOCK	2.0x 4.0	Ctr Ctr	0.60		
G LOCK	5.0x 9.0	Ctr	0.8 0.69		
J LOCK	3.0x 7.0	Ctr Ctr	0.49		
F LOCK	5.0x 5.0	Ctr-1.0	0.73		
E LOCK	5.0x 7.0	1.0 3.4	0.69		

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

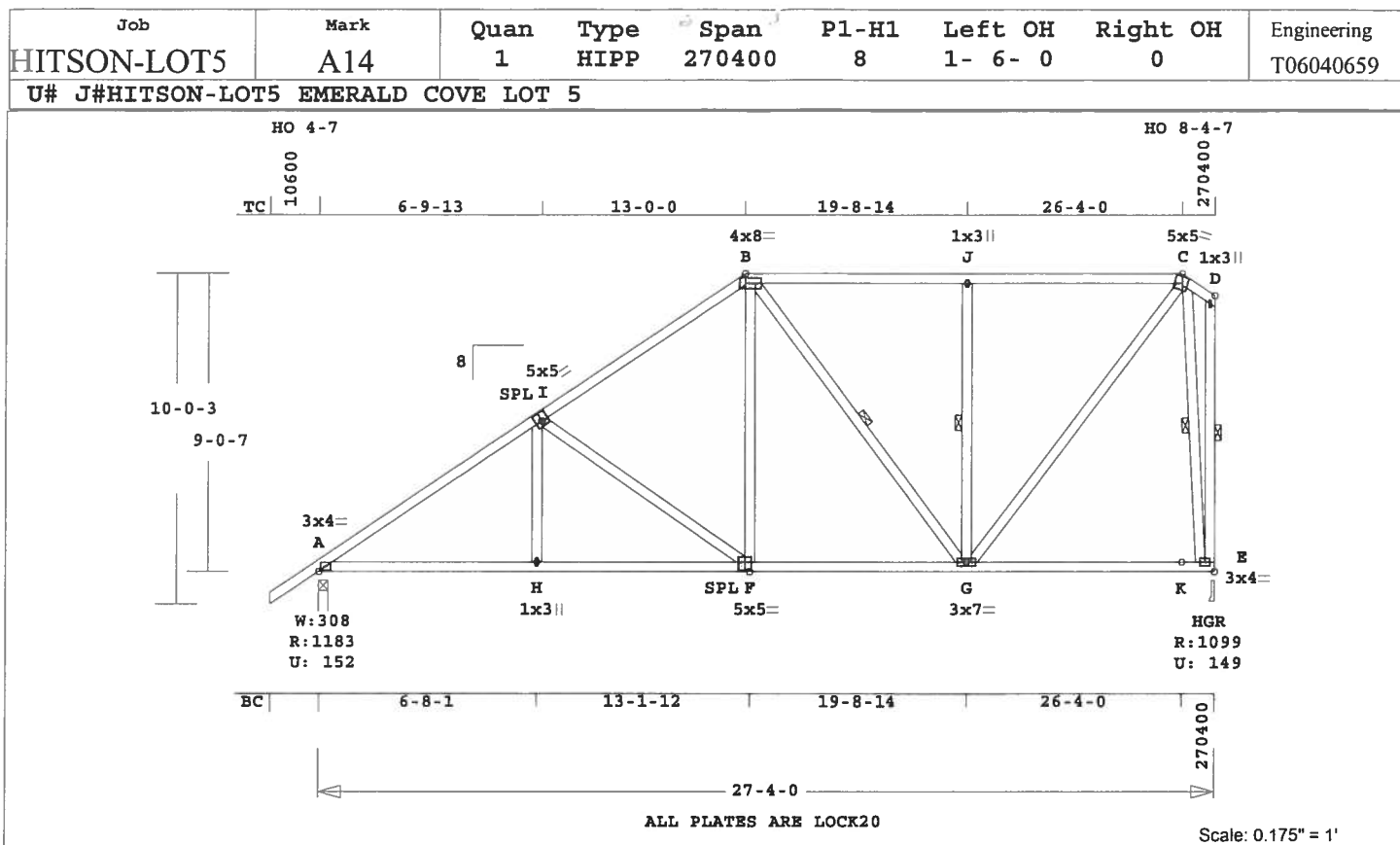
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A13	1	SP	410400	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 4184 Lbs
 Quality Control Factor 1.25



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 237.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.48 2x 4 SP-#2
BC 0.41 2x 4 SP-#2
WB 0.37 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 27- 4- 0
BC Cont. 0- 0- 0 27- 4- 0
WB 1 rows CLB on B -G
WB 1 rows CLB on G -J
WB 1 rows CLB on C -E
WB 1 rows CLB on E -D
Attach CLB with (2)-10d nails
at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1184	152	3- 8	1- 8
			Hx =	-166
E	1099	149	3- 8	1- 8
			Hx =	301

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -I	0.39	1491 C	0.01	0.38
I -B	0.38	1025 C	0.00	0.38
B -J	0.48	696 C	0.00	0.48
J -C	0.48	696 C	0.00	0.48

C -D	0.08	130 C	0.00	0.08
-----Bottom Chords-----				
A -H	0.36	1246 T	0.13	0.23
H -F	0.36	1246 T	0.13	0.23
F -G	0.41	843 T	0.08	0.33
G -E	0.33	214 T	0.00	0.33
-----Webs-----				
H -I	0.04	271 T		
I -F	0.37	486 C		
F -B	0.07	447 T		
B -G	0.09	242 C	1 Br	
G -J	0.11	444 C	1 Br	
G -C	0.20	1012 T		
C -E	0.24	951 C	1 Br	
E -D	0.22	96 C	WindLd	1 Br

TL Defl -0.18" in G -E L/999
LL Defl -0.09" in G -E L/999
Shear // Grain in B -J 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.84
I LOCK 5.0x 5.0-0.3 0.5 0.64
B LOCK 4.0x 8.0 Ctr Ctr 0.99
J LOCK 1.0x 3.0 Ctr Ctr 0.81
C LOCK 5.0x 5.0-0.5-3.4 0.99
D LOCK 1.0x 3.0 Ctr Ctr 0.79
H LOCK 1.0x 3.0 Ctr Ctr 0.81
F LOCK 5.0x 5.0 Ctr-0.5 0.66
G LOCK 3.0x 7.0 Ctr Ctr 0.75
E LOCK 3.0x 4.0 Ctr Ctr 0.79

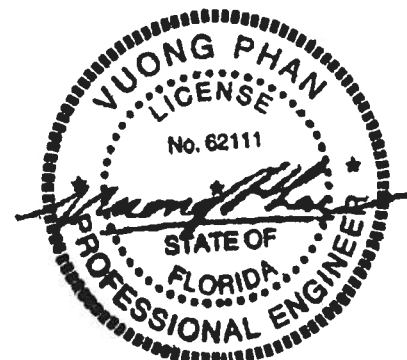
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

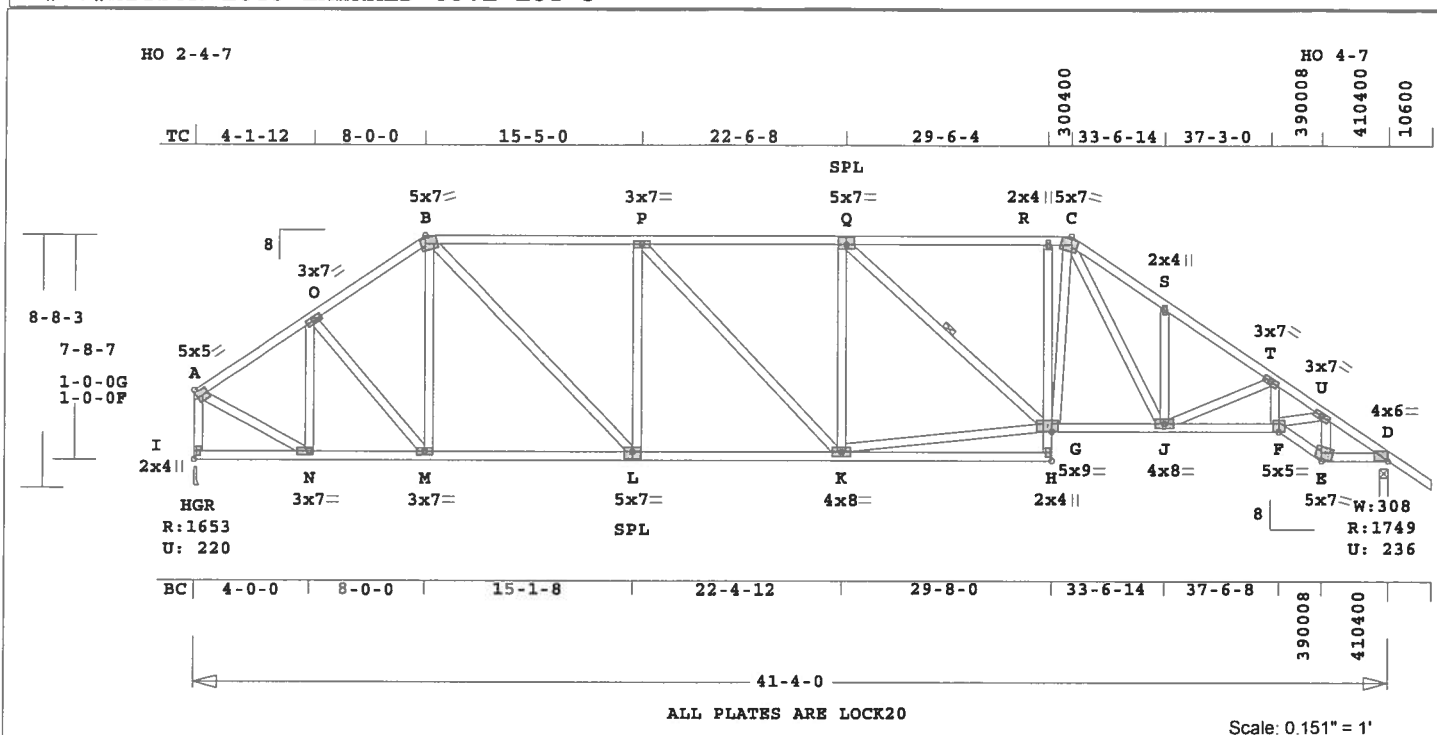
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Provide connection to bearing
for 300 Lbs Horiz Reaction
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1491 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A15	1	SP	410400	8	0	1- 6- 0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



ALL PLATES ARE LOCK20

Scale: 0.151" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 368.0 LBS

F - E 0.82 2358 T 0.39 0.43
E - D 0.51 2070 T 0.34 0.17

E LOCK 5.0x 7.0 1.0 3.4 0.69

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.52 2x 4 SP-#2
BC 0.82 2x 4 SP-#2
CW 0.17 2x 4 SP-#2
WB 0.41 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 41- 4- 0
BC Cont. 0- 0- 0 41- 4- 0
WB 1 rows CLB on Q -G
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 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

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
I 1653 221 3- 8 1-15
Hz = -198
D 1749 237 3- 8 2- 1
Hz = 162

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -O 0.16 1472 C 0.01 0.15
O -B 0.23 1726 C 0.01 0.22
B -P 0.52 2163 C 0.03 0.49
P -Q 0.52 2304 C 0.03 0.49
Q -R 0.50 2153 C 0.03 0.47
R -C 0.34 2160 C 0.03 0.31
C -S 0.18 2907 C 0.05 0.13
S -T 0.24 2904 C 0.07 0.17
T -U 0.24 4192 C 0.12 0.12
U -D 0.22 2549 C 0.04 0.18
-----Bottom Chords-----
I -N 0.08 170 T 0.00 0.08
N -M 0.32 1232 T 0.12 0.20
M -L 0.41 1444 T 0.15 0.26
L -K 0.54 2163 T 0.36 0.18
K -H 0.32 74 T 0.00 0.32
G -J 0.45 2041 T 0.34 0.11
J -F 0.77 3442 T 0.57 0.20

-----Chord-Webs-----
H -G 0.16 113 T 0.01 0.15
G -R 0.17 416 C 0.05 0.12

-----Webs-----
I -A 0.17 1615 C WindLd
A -N 0.26 1410 T
N -O 0.17 613 C
O -M 0.05 318 T
M -B 0.08 118 C
B -L 0.19 1031 T
L -P 0.41 597 C
P -K 0.03 204 T
K -Q 0.20 301 C
Q -G 0.41 2251 T
G -G 0.06 203 C
G -C 0.17 963 T
C -J 0.15 812 T
J -S 0.05 214 C
J -T 0.24 1113 C
F -T 0.18 978 T
F -U 0.26 1457 T
E -U 0.11 1172 C

TL Defl -0.39" in K -H L/999
LL Defl -0.16" in G -J L/999
Hz Disp LL DL TL
Jt I 0.09" 0.09" 0.18"
Shear // Grain in B -P 0.30

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

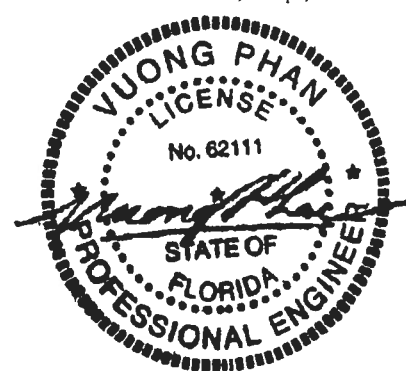
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 5.0x 5.0 Ctr Ctr 0.82
O LOCK 3.0x 7.0 Ctr Ctr 0.45
B LOCK 5.0x 7.0 1.6-3.4 0.75
P LOCK 3.0x 7.0 Ctr Ctr 0.48
Q LOCK 5.0x 7.0 Ctr Ctr 0.5 0.81
R LOCK 2.0x 4.0 Ctr Ctr 0.40
C LOCK 5.0x 7.0-1.0-3.4 0.85
S LOCK 2.0x 4.0 Ctr Ctr 0.48
T LOCK 3.0x 7.0 Ctr Ctr 0.47
U LOCK 3.0x 7.0 Ctr Ctr 0.48
D LOCK 4.0x 6.0-0.5 0.4 0.75
I LOCK 2.0x 4.0 Ctr Ctr 0.57
N LOCK 3.0x 7.0 Ctr Ctr 0.47
M LOCK 3.0x 7.0 Ctr Ctr 0.49
L LOCK 5.0x 7.0 Ctr-0.5 0.81
K LOCK 4.0x 8.0 Ctr Ctr 0.86
H LOCK 2.0x 4.0 Ctr Ctr 0.60
G LOCK 5.0x 9.0 Ctr Ctr 0.69
J LOCK 4.0x 8.0 Ctr Ctr 0.51
F LOCK 5.0x 5.0 Ctr-1.0 0.73

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

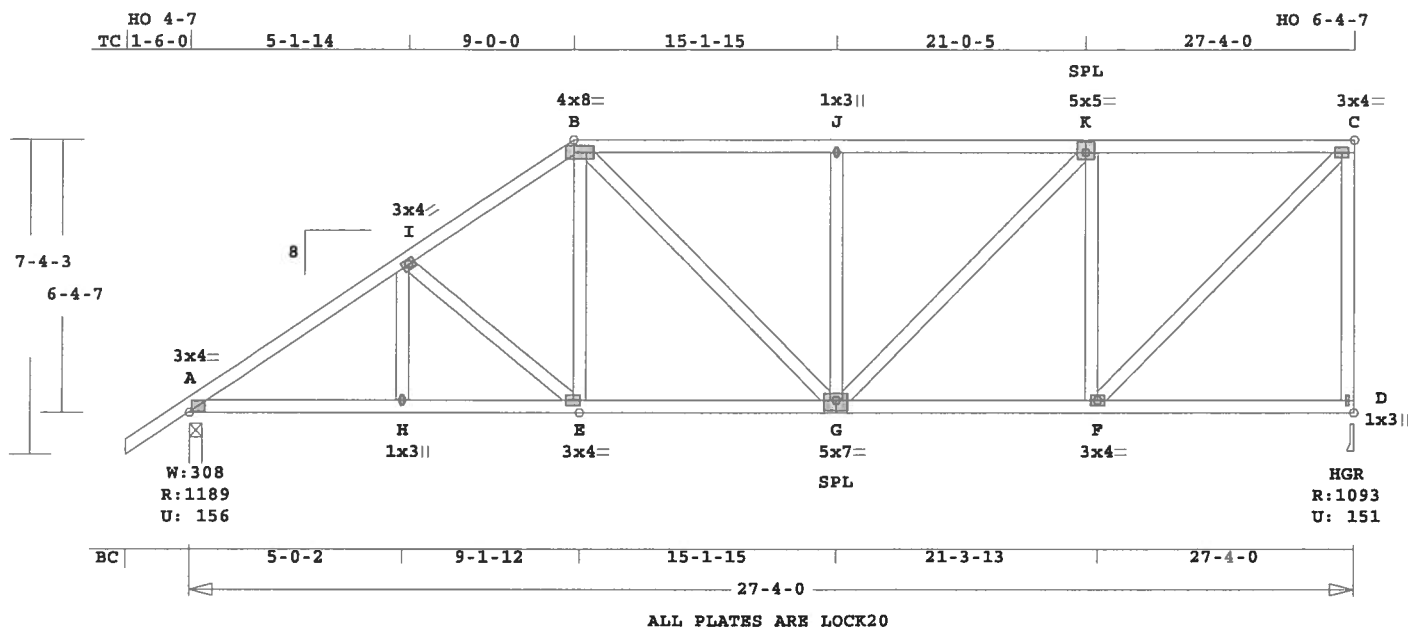
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 4192 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A18	1	HHIP	270400	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 215.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

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

TC	0.40	2x 4	SP-#2
BC	0.32	2x 4	SP-#2
WB	0.48	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	27- 4- 0
BC Cont.	0- 0- 0	27- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1189	157	3- 8	1- 8
			Hz =	-113
D	1093	151	3- 8	1- 8
			Hz =	215

Membr CSI P Lbs Ax1-CSI-Bnd

Top Chords					
A -I	0.17	1562	C	0.02	0.15
I -B	0.21	1300	C	0.01	0.20
B -J	0.36	1229	C	0.01	0.35
J -K	0.40	1229	C	0.01	0.39
K -C	0.39	878	C	0.00	0.39
Bottom Chords					
A -H	0.26	1295	T	0.21	0.05
H -E	0.29	1295	T	0.21	0.08
E -G	0.29	1083	T	0.11	0.18
G -F	0.32	878	T	0.09	0.23

F -D	0.23	168	T	0.00	0.23
H -I	0.02	158	T		
I -E	0.09	267	C		
E -B	0.05	331	T		
B -G	0.05	206	T		
G -J	0.17	379	C		
G -K	0.09	498	T		
F -K	0.34	754	C		
F -C	0.23	1249	T		
D -C	0.48	1041	C	WindLd	

TL Defl	-0.12"	in E -G	L/999
LL Defl	-0.05"	in E -G	L/999
Shear //	Grain	in K -C	0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate - RHS	20 Ga,	Gross Area	
Jt Type	Plt Size	X	Y
A LOCK	3.0x 4.0	Ctr	Ctr
I LOCK	3.0x 4.0	Ctr	Ctr
B LOCK	4.0x 8.0	Ctr	Ctr
J LOCK	1.0x 3.0	Ctr	Ctr
K LOCK	5.0x 5.0	Ctr	0.5
C LOCK	3.0x 4.0	Ctr	Ctr
H LOCK	1.0x 3.0	Ctr	Ctr
E LOCK	3.0x 4.0	Ctr	Ctr
G LOCK	5.0x 7.0	Ctr	0.5
F LOCK	3.0x 4.0	Ctr	Ctr
D LOCK	1.0x 3.0	Ctr	Ctr

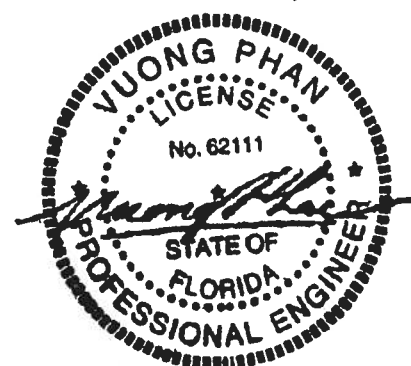
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

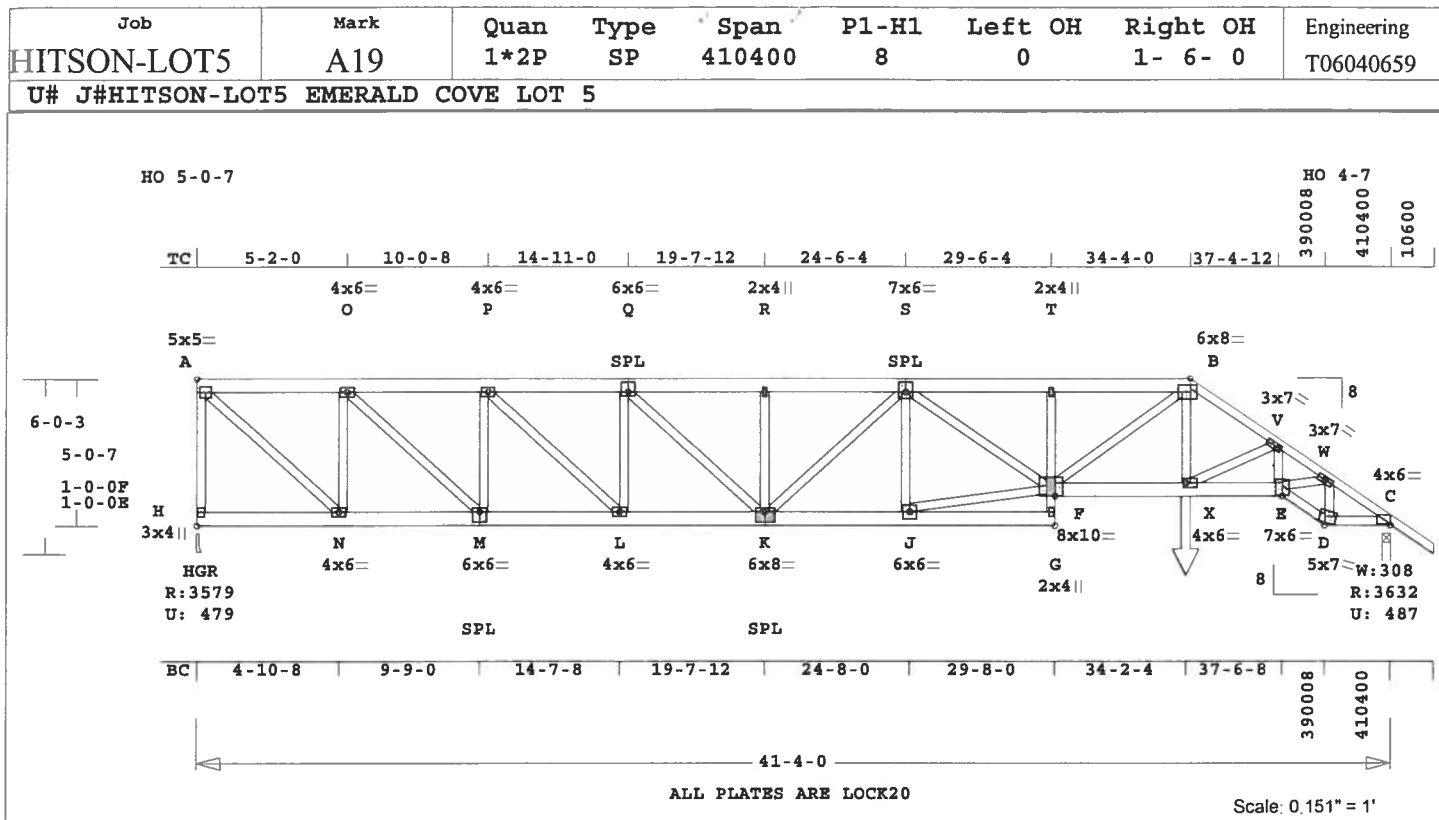
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1562 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	A19	1*2P	SP	410400	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

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 1 12 24 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.

Prevent truss rotation at all
bearing locations.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

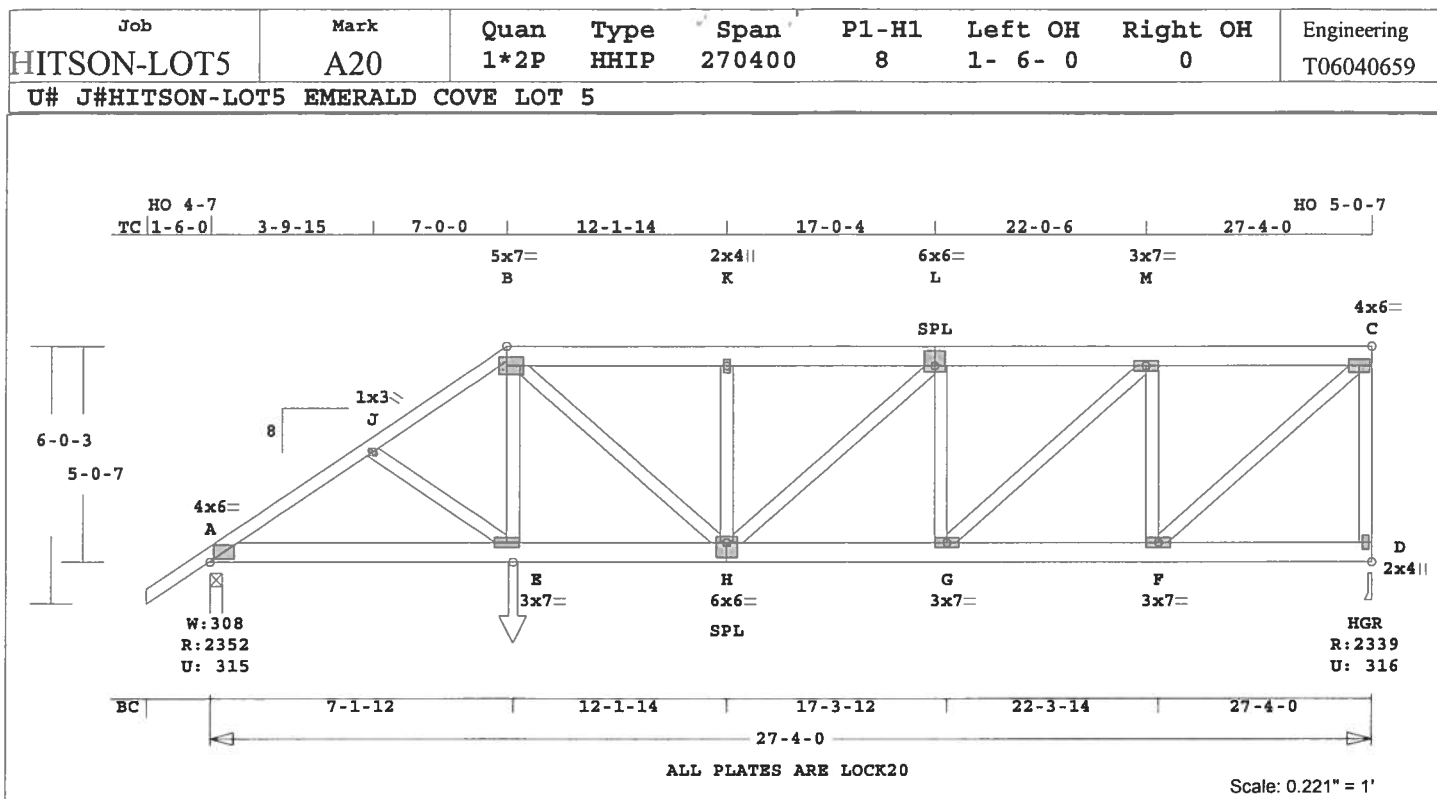
Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 9840 Lbs

Quality Control Factor 1.25



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 248.3 LBS

Online Plus -- Version 19.0.011
 RUN DATE: 06-APR-06

 * 2-Ply Truss *

CSI	Size	Lumber
TC	0.18	2x 6 SP-#2
EX A	-B	2x 4 SP-#2
BC	0.27	2x 6 SP-#2
WB	0.28	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	27- 4- 0
BC Cont.	0- 0- 0	27- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Load Case # 1 Girder Loading

Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live	Dead	From	To	
TC V	40	20	0.0'	27.3'
BC V	0	20	0.0'	27.3'
TC V	50	25	7.0'	26.3'
TC V	-40	-20	26.3'	27.3'
BC V	0	25	7.1'	26.3'
BC V	0	-20	26.3'	27.3'
BC V	280	280	7.1'	CL-LB

Plus 6 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	2353	315	3- 8	1- 8
			Hx =	-85
D	2340	316	3- 8	1- 8
			Hx =	161

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A	-J	0.11	3635	C	0.03 0.08
J	-B	0.25	3511	C	0.02 0.23
B	-K	0.18	3820	C	0.01 0.17
K	-L	0.17	3820	C	0.01 0.16
L	-M	0.15	3522	C	0.01 0.14

M	-C	0.14	2301	C	0.00	0.14
-----Bottom Chords-----						
A	-E	0.25	3006	T	0.20	0.05
E	-H	0.24	2944	T	0.19	0.05
H	-G	0.27	3522	T	0.23	0.04
G	-F	0.19	2301	T	0.15	0.04
F	-D	0.08	126	T	0.00	0.08
-----Webs-----						
J	-E	0.00	85	T		
E	-B	0.06	752	T		
B	-H	0.10	1167	T		
H	-K	0.04	786	C		
H	-L	0.03	404	T		
G	-L	0.05	908	C		
G	-M	0.15	1654	T		
F	-M	0.10	1858	C		
F	-C	0.28	3116	T		
D	-C	0.12	2276	C	WindLd	

TL Defl	-0.12"	in E	-H	L/999
LL Defl	-0.06"	in E	-H	L/999
Shear //	Grain	in B	-K	0.17

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 4.0x 6.0 Ctr Ctr 0.59
 J LOCK 1.0x 3.0 Ctr Ctr 0.79
 B LOCK 5.0x 7.0-0.5 Ctr 0.89
 K LOCK 2.0x 4.0 Ctr Ctr 0.40
 L LOCK 6.0x 6.0 Ctr 1.2 0.52
 M LOCK 3.0x 7.0 Ctr Ctr 0.41
 C LOCK 4.0x 6.0 Ctr Ctr 0.76
 E LOCK 3.0x 7.0 Ctr Ctr 0.40
 H LOCK 6.0x 6.0 Ctr-1.2 0.55
 G LOCK 3.0x 7.0 Ctr Ctr 0.41
 F LOCK 3.0x 7.0 Ctr Ctr 0.59
 D LOCK 2.0x 4.0 Ctr Ctr 0.65

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

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

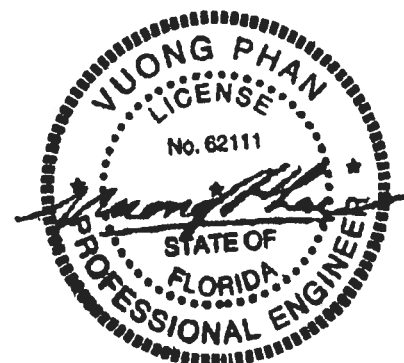
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:

FBC2004
 Girder Half Hip
 Framing King Jacks
 Jack Open Faced
 Setback 7- 0- 0
 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)----

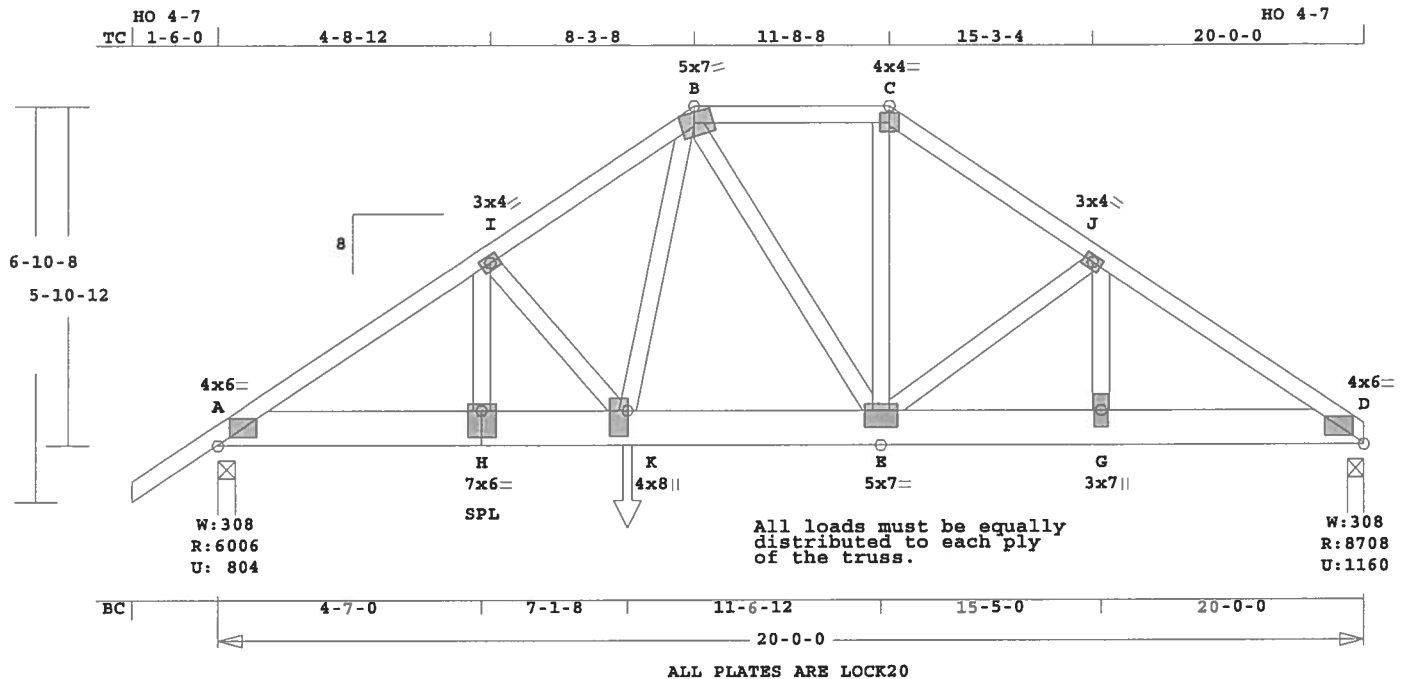
Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	8	8	

 Plus clusters of nails where
 shown.
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Prevent truss rotation at all
 bearing locations.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15'-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 3820 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job HITSON-LOT5	Mark B1	Quan 1*3P	Type HIPP	Span 200000	Pl-H1 8	Left OH 1- 6- 0	Right OH 0	Engineering T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 178.5 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

* 3-Ply Truss *

CSI -Size- ----Lumber----
TC 0.30 2x 4 SP-#2
BC 0.39 2x 8 SP-#2
EX H -D 2x 8 SP-#1
WB 0.30 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	20- 0- 0	
BC Cont.	0- 0- 0	20- 0- 0	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Standard Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
plf - Live Dead From To
TC V 40 20 0.0' 20.0'
BC V 0 20 0.0' 20.0'
BC V 393 393 8.0' 20.0'
BC V 1790 1790 7.1' CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	6007	804	3- 8	2- 6
			Hx =	-114
D	8708	1160	3- 8	3- 7
			Hx =	117

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -I	0.16	10106	C	0.10	0.06
I -B	0.18	10187	C	0.10	0.08
B -C	0.23	7775	C	0.04	0.19
C -J	0.27	9280	C	0.07	0.20

J	D	0.30	12152	C	0.15	0.15
-----Bottom Chords-----						
A -H	0.39	8410	T	0.28	0.11	
H -K	0.31	8410	T	0.22	0.09	
K -E	0.37	7461	T	0.20	0.17	
E -G	0.43	10120	T	0.27	0.16	
G -D	0.53	10120	T	0.27	0.26	
-----Webs-----						
H -I	0.01	346	C			
I -K	0.00	168	T			
K -B	0.30	4931	T			
B -E	0.03	596	T			
E -C	0.30	5006	T			
E -J	0.09	2952	C			
G -J	0.19	3301	T			

TL Defl -0.15" in K -E L/999
LL Defl -0.08" in K -E L/999
Shear // Grain in K -E 0.40

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga.	Gross Area
Jt Type	Plt Size	X	Y JSI
A	LOCK	4.0x 6.0	Ctr Ctr 0.78
I	LOCK	3.0x 4.0	Ctr Ctr 0.62
B	LOCK	5.0x 7.0	0.6-3.7 0.93
C	LOCK	4.0x 4.0	Ctr Ctr 0.97
J	LOCK	3.0x 4.0	Ctr Ctr 0.95
D	LOCK	4.0x 6.0	Ctr Ctr 0.94
H	LOCK	7.0x 6.0	Ctr-2.0 0.44
K	LOCK	4.0x 8.0	Ctr-1.4 0.89
E	LOCK	5.0x 7.0	Ctr-1.1 0.81
G	LOCK	3.0x 7.0	Ctr-0.1 0.79

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

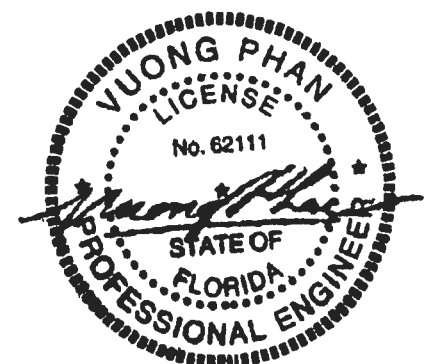
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004

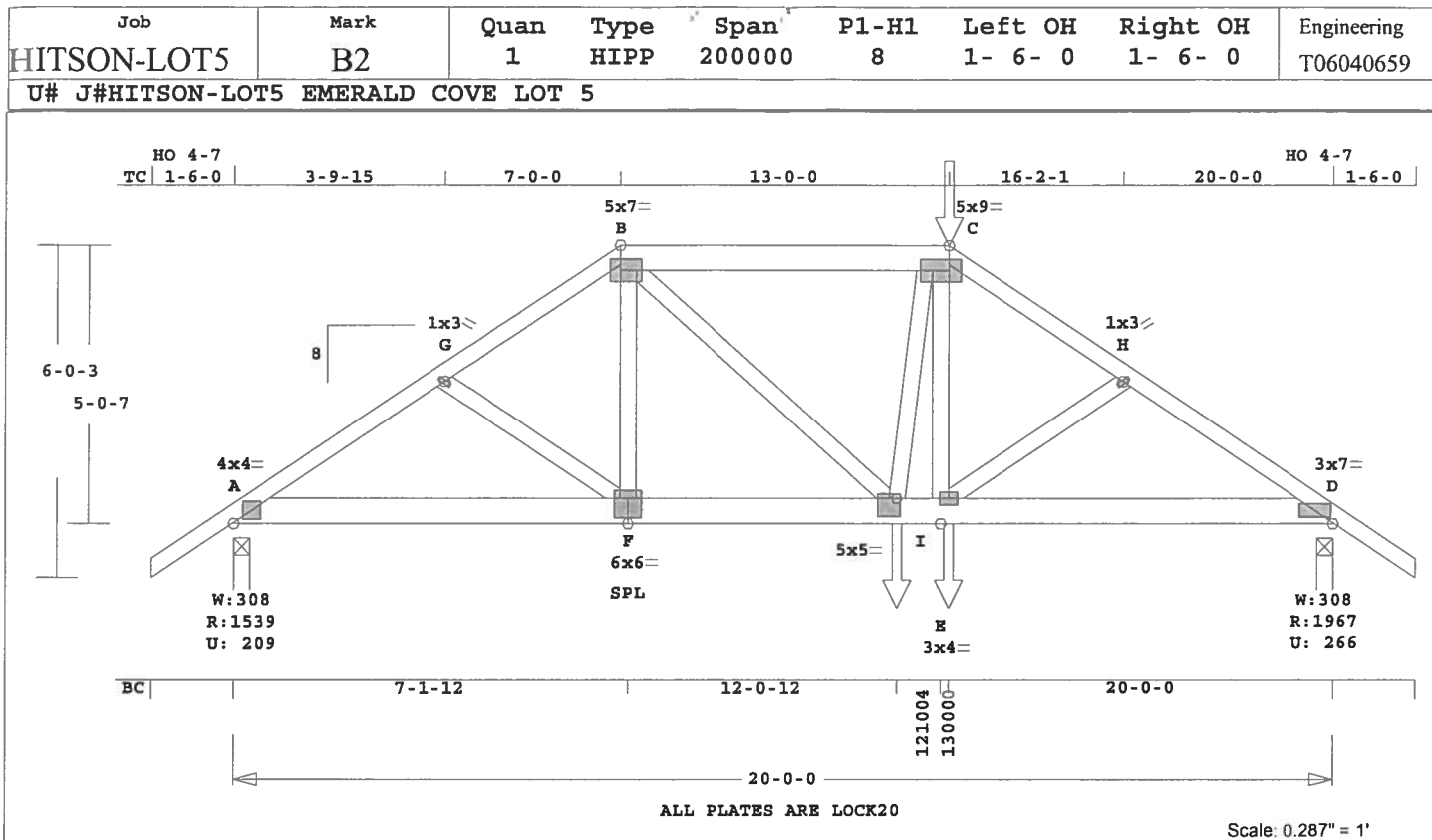
3 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
pattern. (1/2" bolts -OR-
SDS4.5 screws -OR- 16d nails
as each layer is applied.)

-----Spacing (In)-----
Rows Nails Screws Bolts
TC 1 12 24 0
BC 2 8.5 13 0
WB 1 8 8
No bolts in 2x4s or smaller.
Plus clusters of nails where
shown.

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 12152 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 162.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI	-Size-	----	Lumber----
TC	0.53	2x 4	SP-#2
EX B	-C	2x 6	SP-#2
BC	0.45	2x 6	SP-#2
WB	0.17	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	20- 0- 0
BC Cont.	0- 0- 0	20- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Load Case # 1 Standard Loading					
Lumber Duration Factor 1.25					
Plate Duration Factor 1.25					
plf	Live	Dead	From	To	
TC V	40	20	0.0'	20.0'	
BC V	0	20	0.0'	20.0'	
BC V	238	238	13.0'	CL-LB	
TC V	121	121	13.0'	CL-LB	
BC V	499	499	12.1'	CL-LB	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1540	209	3- 8	1-13
			Hz =	-96
D	1967	266	3- 8	2- 5
			Hz =	97

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----					
A -G	0.16	2223	C	0.04	0.12
G -B	0.29	2074	C	0.03	0.26
B -C	0.36	2445	C	0.02	0.34
C -H	0.53	2818	C	0.06	0.47
H -D	0.25	2945	C	0.08	0.17
-----Bottom Chords-----					
A -F	0.34	1844	T	0.24	0.10
F -I	0.26	1739	T	0.23	0.03
I -E	0.36	2369	T	0.31	0.05
E -D	0.45	2437	T	0.32	0.13
-----Webs-----					
G -F	0.02	123	C		
F -B	0.03	258	T		
B -I	0.17	944	T		
I -C	0.10	555	T		
E -C	0.08	543	T		
E -H	0.01	85	T		

TL Defl -0.13" in I -E L/999
LL Defl -0.07" in I -E L/999
Shear // Grain in C -H 0.19

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 4.0 Ctr Ctr 0.77
G LOCK 1.0x 3.0 Ctr Ctr 0.75
B LOCK 5.0x 7.0-0.5 Ctr Ctr 0.77
C LOCK 5.0x 9.0 Ctr Ctr 0.77
H LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 3.0x 7.0 Ctr Ctr 0.78
F LOCK 6.0x 6.0 Ctr-1.2 0.54
I LOCK 5.0x 5.0 Ctr-1.4 0.64
E LOCK 3.0x 4.0 Ctr Ctr 0.51

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

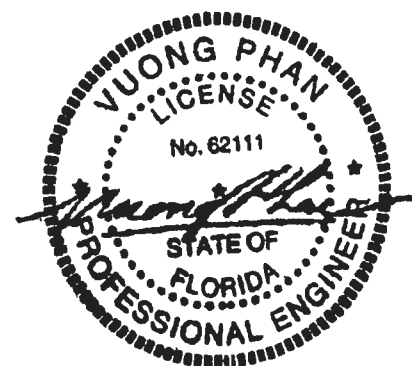
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 2945 lbs

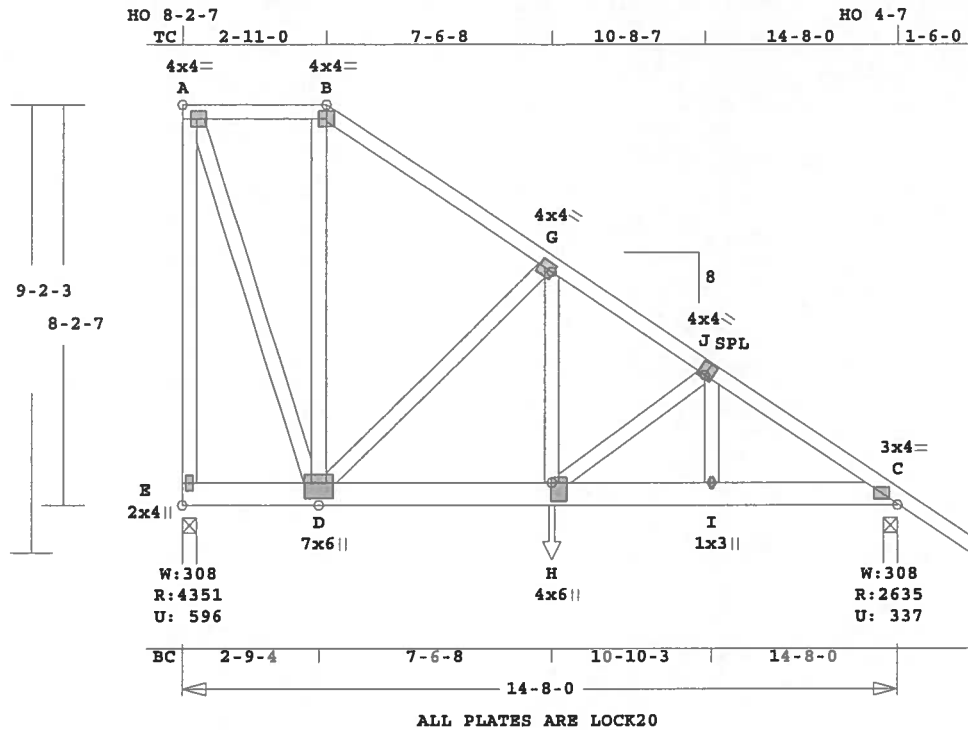
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	C1	1*2P	HHIP	140800	8	0	1- 6- 0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 151.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

* 2-Ply Truss *

	CSI	Size	---Lumber---
TC	0.11	2x 4	SP-#2
BC	0.65	2x 6	SP-#2
WB	0.40	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0	0
BC Cont.	0- 0- 0	14- 8- 0	0

	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Standard Loading

	Live	Dead	From	To
TC V	40	20	0.0'	14.7'
BC V	0	20	0.0'	14.7'
BC V	253	253	0.0'	6.7'
BC V	1170	1170	7.5'	CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	4351	597	3- 8	2- 9
			Hx =	-279
C	2635	338	3- 8	1- 9
			Hx =	139

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.04	1259	C	0.00	0.04
B -G	0.08	1514	C	0.00	0.08
G -J	0.11	4118	C	0.03	0.08
J -C	0.10	4087	C	0.04	0.06
-----Bottom Chords-----					

E -D	0.33	220	T	0.00	0.33
D -H	0.65	3437	T	0.22	0.43
H -I	0.44	3393	T	0.22	0.22
I -C	0.33	3393	T	0.22	0.11
-----Webs-----					
E -A	0.40	3833	C	WindLd	
A -D	0.36	3960	T		
D -B	0.05	730	T		
D -G	0.25	3063	C		
H -G	0.30	3397	T		
H -J	0.00	109	T		
I -J	0.01	218	C		

TL Defl -0.10" in D -H L/999
LL Defl -0.05" in D -H L/999
Shear // Grain in D -H 0.52

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 4.0 0.5 Ctr 0.99
B LOCK 4.0x 4.0 Ctr Ctr 0.76
G LOCK 4.0x 4.0 0.4-0.3 0.91
J LOCK 4.0x 4.0 0.6 0.9 0.69
C LOCK 3.0x 4.0 Ctr Ctr 0.94
E LOCK 2.0x 4.0 Ctr Ctr 0.50
D LOCK 7.0x 6.0 Ctr-0.9 0.89
H LOCK 4.0x 6.0 Ctr-1.6 0.93
I LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

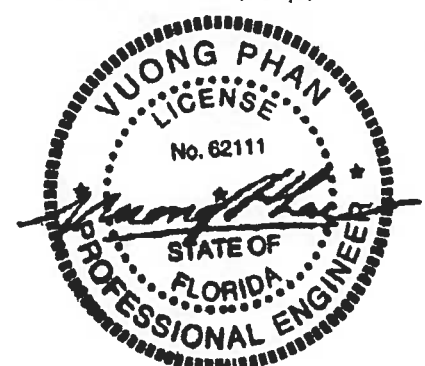
as each layer is applied.)
-----Spacing (In)-----
Rows Nails Screws Bolts
TC 1 12 24 0
BC 2 12 24 0
WB 1 8 8

Web Connection Exception --
Use 4" spacing for screws or
nails on the following webs

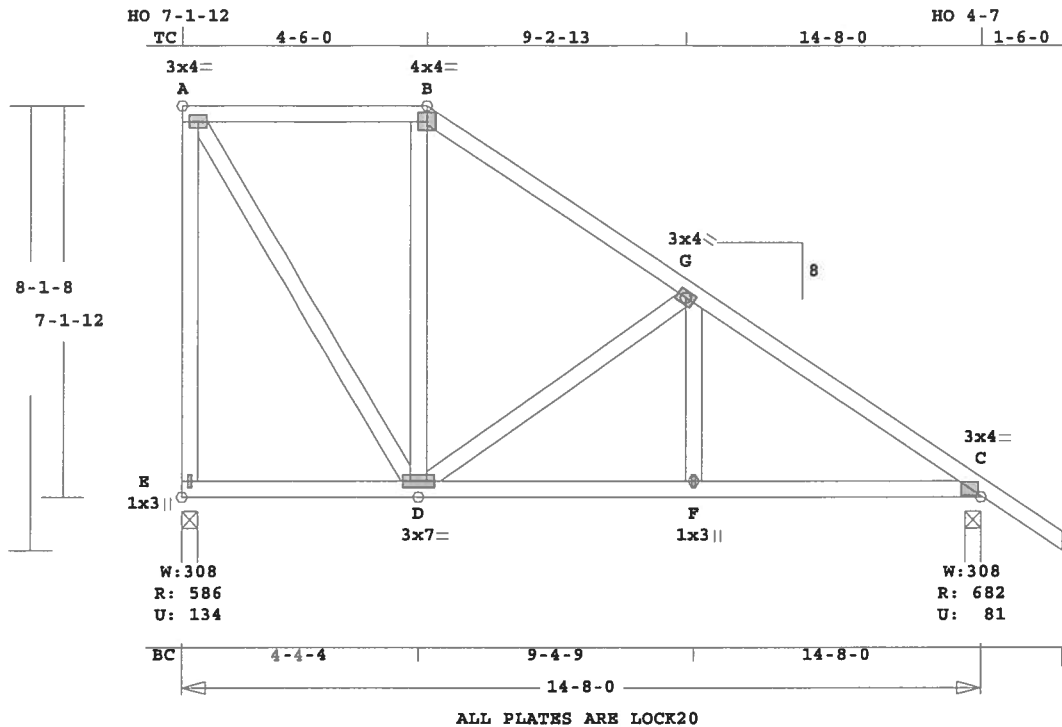
E- A
Plus clusters of nails where
shown.

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4118 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	C2	1	HHIP	140800	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Scale: 0.284" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 119.6 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

	CSI	-Size-	----	Lumber----
TC	0.25	2x 4	SP-#2	
BC	0.20	2x 4	SP-#2	
WB	0.32	2x 4	SP-#2	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0	
BC Cont.	0- 0- 0	14- 8- 0	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	587	134	3- 8	1- 8
			Hx =	-243
C	683	82	3- 8	1- 8
			Hx =	121

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.18		264 C	0.00	0.18
B -G	0.25		328 C	0.00	0.25
G -C	0.25		694 C	0.00	0.25
-----Bottom Chords-----					
E -D	0.12		192 T	0.00	0.12
D -F	0.20		584 T	0.06	0.14
F -C	0.20		584 T	0.06	0.14

	-----Webs-----
E -A	0.32 550 C WindLd
A -D	0.09 505 T
D -B	0.06 111 T
D -G	0.18 393 C
F -G	0.03 211 T
TL Defl	-0.03" in F -C L/999
LL Defl	-0.01" in F -C L/999
Shear // Grain	in A -B 0.17

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.61
B LOCK 4.0x 4.0 Ctr Ctr 0.76
G LOCK 3.0x 4.0 Ctr Ctr 0.55
C LOCK 3.0x 4.0 Ctr Ctr 0.64
E LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 3.0x 7.0 Ctr Ctr 0.41
F LOCK 1.0x 3.0 Ctr Ctr 0.75

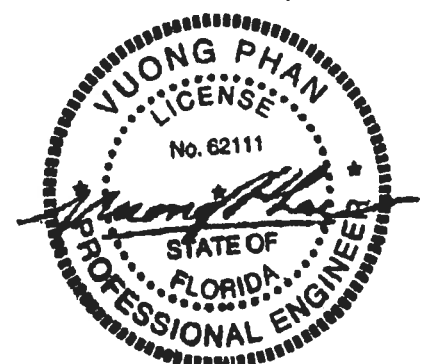
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

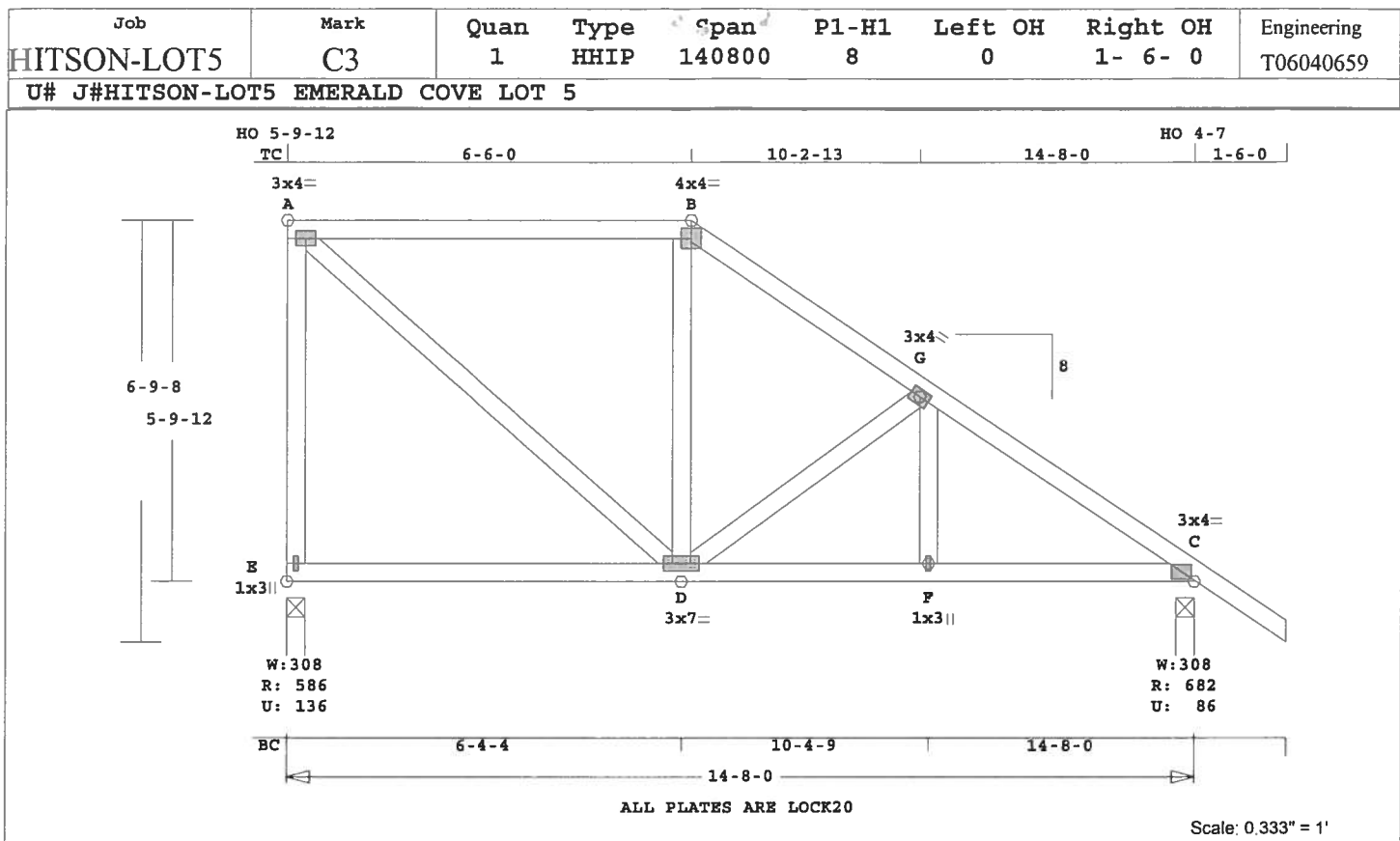
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 694 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 110.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.44 2x 4 SP-#2
BC 0.27 2x 4 SP-#2
WB 0.20 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0
BC Cont.	0- 0- 0	14- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	587	136	3- 8	1- 8
			Hz =	-195
C	683	86	3- 8	1- 8
			Hz =	97

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.44		398 C	0.00	0.44
B -G	0.18		473 C	0.00	0.18
G -C	0.11		731 C	0.00	0.11
-----Bottom Chords-----					
E -D	0.21		154 T	0.00	0.21
D -F	0.27		609 T	0.06	0.21
F -C	0.15		609 T	0.10	0.05

-----Webs-----			
E -A	0.20	532 C	WindLd
A -D	0.09	533 T	
D -B	0.02	117 T	
D -G	0.07	259 C	
F -G	0.02	131 T	

TL Defl -0.10" in E -D L/999
LL Defl -0.05" in E -D L/999
Shear // Grain in A -B 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.61
B LOCK 4.0x 4.0 Ctr Ctr 0.76
G LOCK 3.0x 4.0 Ctr Ctr 0.55
C LOCK 3.0x 4.0 Ctr Ctr 0.64
E LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 3.0x 7.0 Ctr Ctr 0.41
F LOCK 1.0x 3.0 Ctr Ctr 0.75

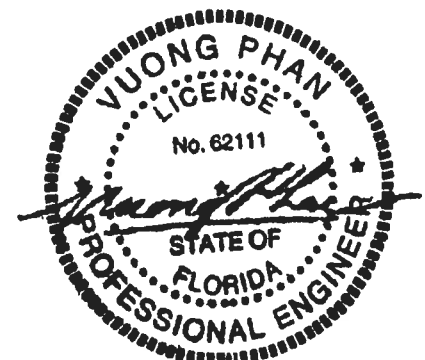
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

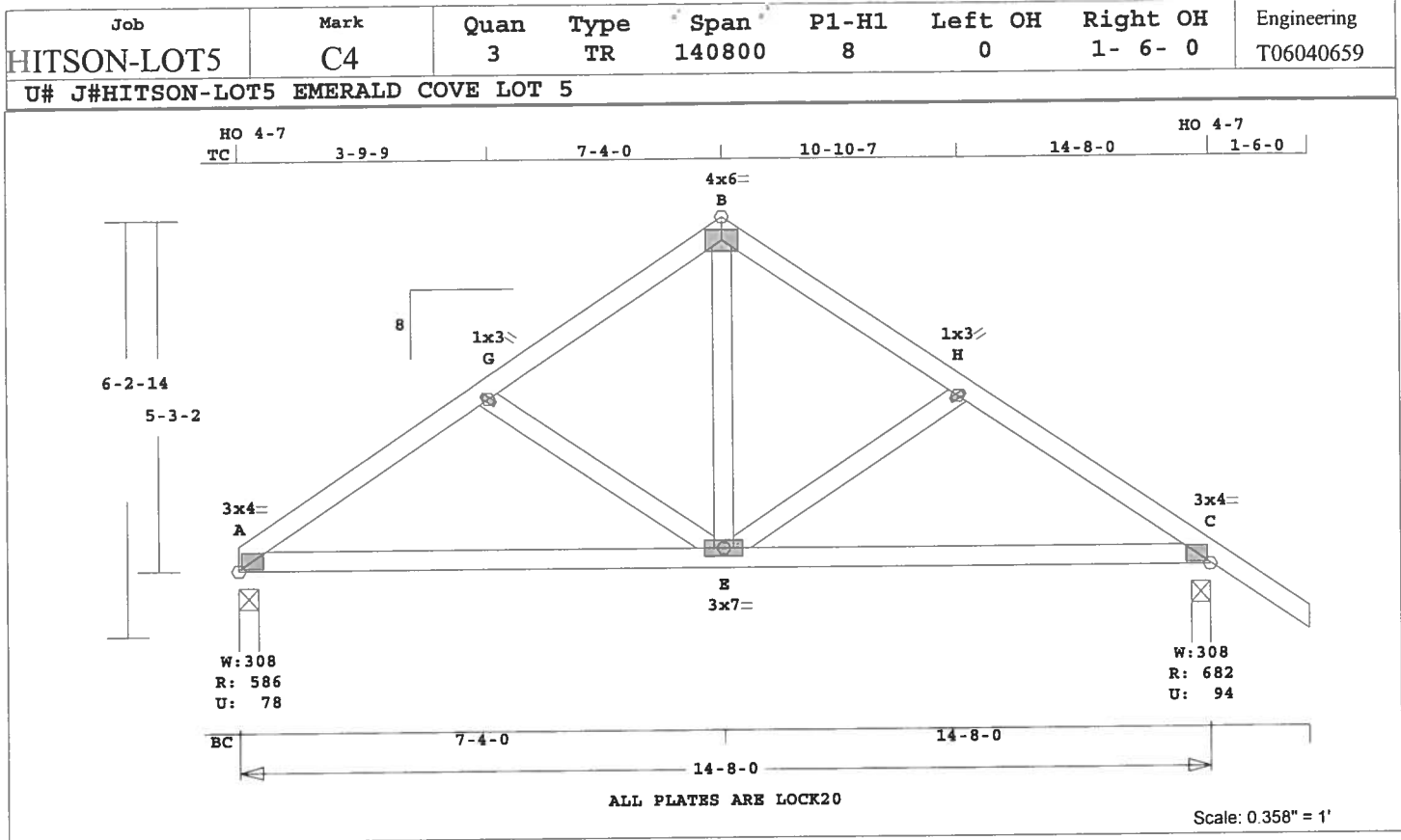
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 731 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 89.5 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

TC	0.12	2x 4	SP-#2
BC	0.36	2x 4	SP-#2
WB	0.07	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0
BC Cont.	0- 0- 0	14- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	587	78	3- 8	1- 8
			Hz =	-97
C	683	95	3- 8	1- 8
			Hz =	98

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.12		734 C	0.00	0.12
G -B	0.12		541 C	0.00	0.12

B -H	0.12	541 C	0.00	0.12
H -C	0.12	734 C	0.00	0.12
-----Bottom Chords-----				
A -E	0.36	618 T	0.06	0.30
E -C	0.36	618 T	0.06	0.30
-----Webs-----				
G -E	0.05	208 C		
E -B	0.07	412 T		
E -H	0.05	208 C		

TL Defl -0.08" in A -E L/999
LL Defl -0.04" in A -E L/999
Shear // Grain in A -E 0.16

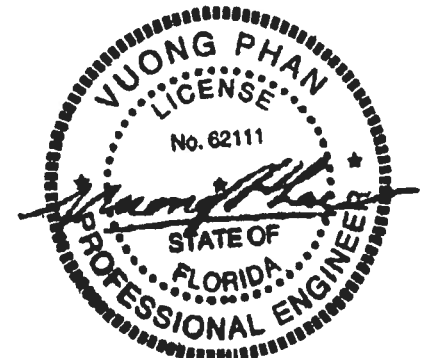
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.64
G LOCK 1.0x 3.0 Ctr Ctr 0.75
B LOCK 4.0x 6.0 Ctr Ctr 0.46
H LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 3.0x 4.0 Ctr Ctr 0.64
E LOCK 3.0x 7.0 Ctr Ctr 0.41

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

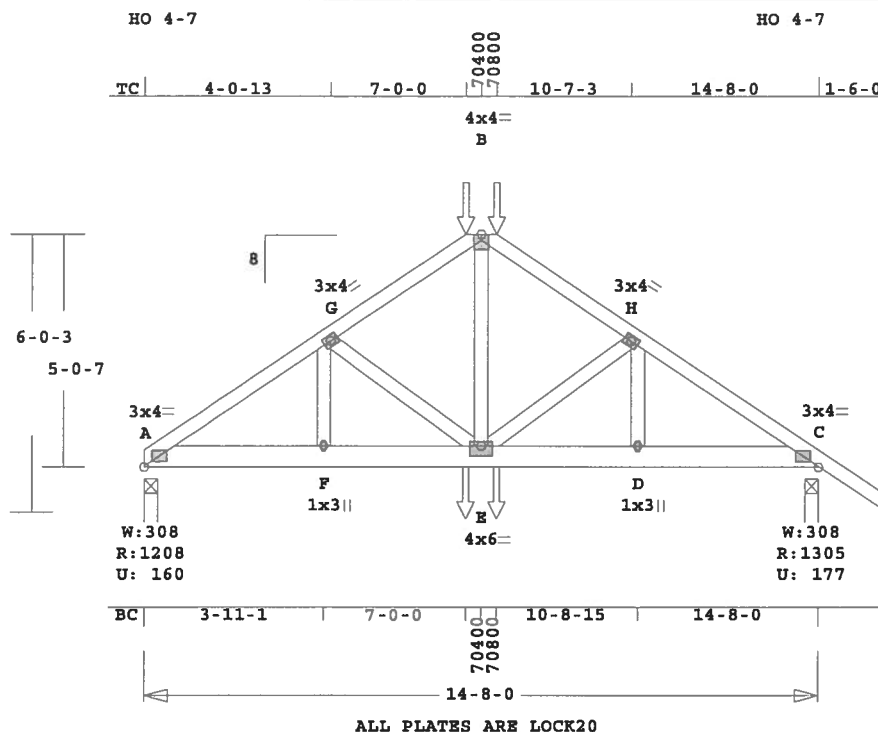
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 734 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	C5	1	TR	140800	8	0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 110.1 LBS
Hz = 97

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

	CSI -Size-	Lumber----
TC	0.12 2x 4	SP-#2
BC	0.29 2x 6	SP-#2
WB	0.19 2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	14- 8- 0	
BC Cont.	0- 0- 0	14- 8- 0	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Standard Loading
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
plf - Live Dead From To

TC V	40	20	0.0'	14.7'
BC V	0	20	0.0'	14.7'
TC V	50	25	7.0'	7.7'
BC V	0	25	7.0'	7.7'
BC V	174	174	7.0'	CL-LB
TC V	121	121	7.0'	CL-LB
BC V	174	174	7.7'	CL-LB
TC V	121	121	7.7'	CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1209	161	3- 8	1- 8
			Hz =	-96
C	1305	178	3- 8	1- 9

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.12	1840	C	0.03	0.09
G -B	0.10	1622	C	0.01	0.09
B -H	0.10	1622	C	0.01	0.09
H -C	0.12	1840	C	0.03	0.09
-----Bottom Chords-----					
A -F	0.25	1531	T	0.20	0.05
F -E	0.29	1531	T	0.20	0.09
E -D	0.29	1531	T	0.20	0.09
D -C	0.25	1531	T	0.20	0.05
-----Webs-----					
F -G	0.01	123	T		
G -E	0.04	222	C		
E -B	0.19	1055	T		
E -H	0.04	222	C		
D -H	0.01	123	T		

TL Defl -0.05" in F -E L/999
LL Defl -0.03" in F -E L/999
Shear // Grain in F -E 0.32

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 3.0x 4.0 Ctr Ctr 0.85

G LOCK 3.0x 4.0 Ctr Ctr 0.55

B LOCK 4.0x 4.0 Ctr-0.5 0.63

H LOCK 3.0x 4.0 Ctr Ctr 0.55

C LOCK 3.0x 4.0 Ctr Ctr 0.85

F LOCK 1.0x 3.0 Ctr Ctr 0.75

E LOCK 4.0x 6.0 Ctr-0.8 0.57

D LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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 a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

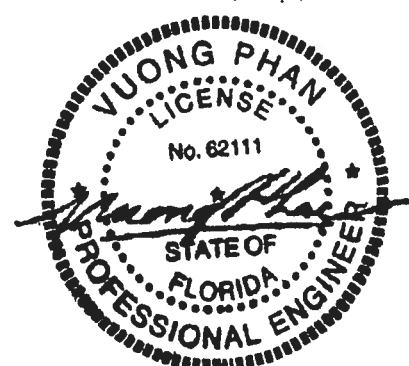
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

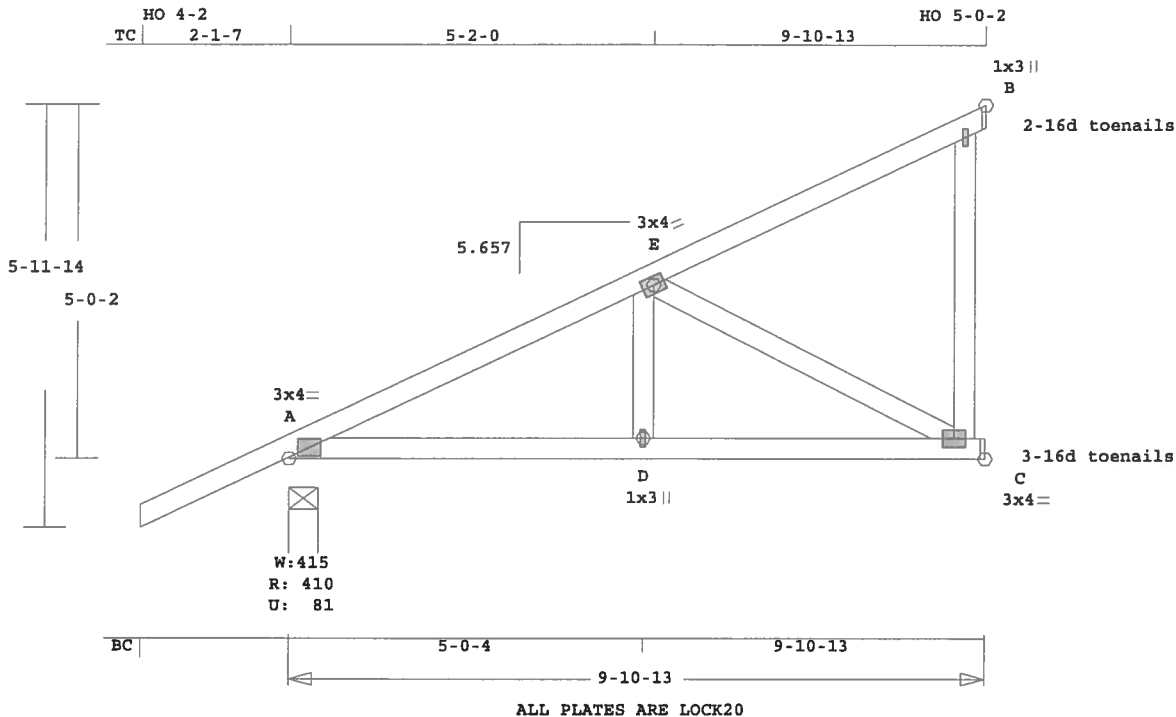
Max comp. force 1840 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	CJ1	4	MONO.DD	91013	5.657	2- 1- 7	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 65.4 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

TC	BC	WB	CSI	-Size-	----	Lumber----
0.37	0.25	0.17	2x 4	SP-#2		
			2x 4	SP-#2		
			2x 4	SP-#2		

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9-10-13
BC Cont.	0- 0- 0	9-10-13

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Load Case # 1 Girder Loading	Lumber Duration Factor	Plate Duration Factor	plf - Live	Dead	From	To
TC V	40	20	0.0'	9.9'		
BC V	0	20	0.0'	9.9'		
TC V	-40	-20	0.0'	9.9'		
BC V	45	22		9.9'		
	0	-20	0.0'	9.9'		
	0	22		9.9'		

Plus 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	411	82	4-15	1- 8
			Hz =	-58
C	348	16	1- 8	1- 8
B	243	87	1- 8	1- 8
			Hz =	170

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -E	0.31	499	C	0.00	0.31
E -B	0.37	107	T	0.00	0.37
-----Bottom Chords-----					
A -D	0.22	471	T	0.05	0.17
D -C	0.25	471	T	0.05	0.20
-----Webs-----					
D -E	0.03	235	T		
E -C	0.17	532	C		
C -B	0.03	0	T	WindLd	

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 0.26

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.61
E LOCK 3.0x 4.0 Ctr Ctr 0.45
B LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 3.0x 4.0 Ctr Ctr 0.54

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 7- 0- 0

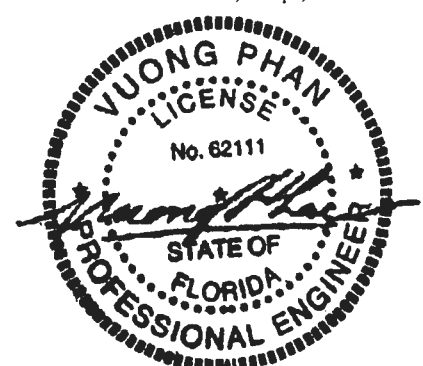
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.

Use properly rated hangers for
loads framing into girder
truss.

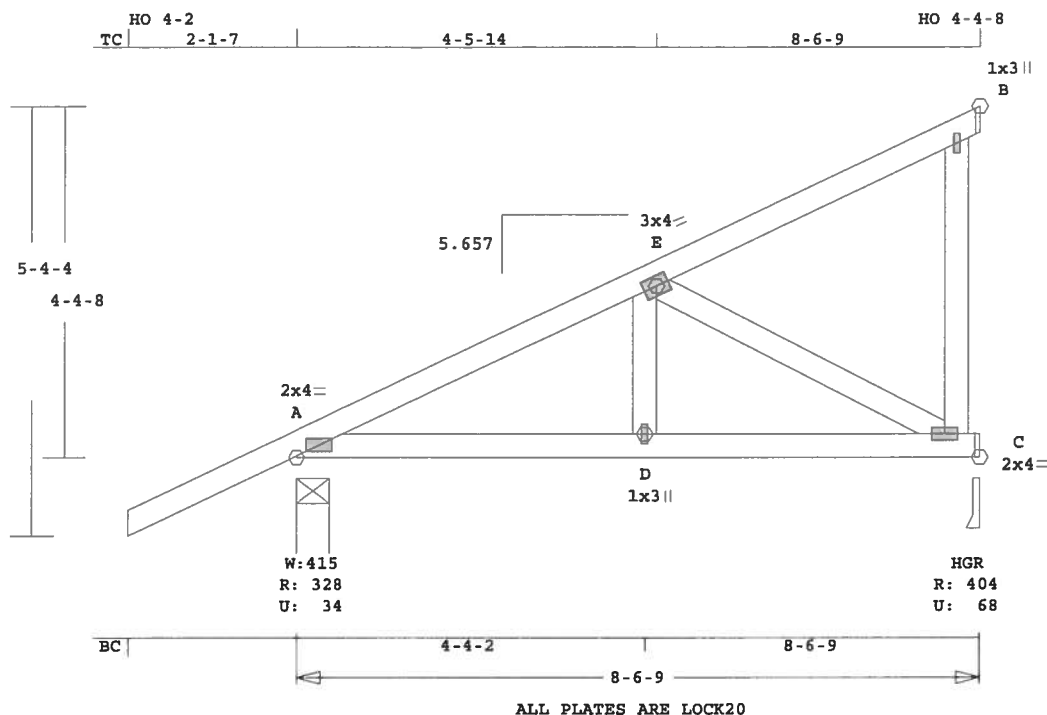
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph

Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 532 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	CJ2	1	MONO.DD	80609	5.657	2- 1- 7	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 56.8 LBS

				Membr	CSI	P	Lbs	Axl	CSI	Bnd	Girder	King Jack
				-----Top Chords-----								Loading TC and BC
Online Plus -- Version 19.0.011				A -E	0.19	353	C	0.00	0.19		Setback	6- 0- 0
RUN DATE: 06-APR-06				E -B	0.23	59	C	0.00	0.23		OH Loading	
				-----Bottom Chords-----								Soffit psf 2.0
CSI -Size- ----Lumber----				A -D	0.13	333	T	0.03	0.10		Design checked for 10 psf non-	
TC	0.23	2x 4	SP-#2	D -C	0.16	333	T	0.03	0.13		concurrent LL on BC.	
BC	0.16	2x 4	SP-#2	-----Webs-----								Use properly rated hangers for
WB	0.09	2x 4	SP-#2	D -E	0.02	168	T				loads framing into girder	
Brace truss as follows:				E -C	0.09	377	C				truss.	
O.C. From To				C -B	0.03	162	C	WindLd			Wind Loads - ANSI / ASCE 7-02	
TC Cont.	0- 0- 0	8- 6- 9		TL Defl -0.02" in D -C L/999				Truss is designed as a Main				Wind-Force Resistance System.
BC Cont.	0- 0- 0	8- 6- 9		LL Defl -0.01" in D -C L/999				Wind Speed: 110 mph				Mean Roof Height: 15-0
Loading Live Dead (psf)				Shear // Grain in E -B 0.19				Exposure Category: B				Occupancy Factor : 1.00
TC	20.0	10.0		Plates for each ply each face.				Building Type: Enclosed				Zone location: Exterior
BC	0.0	10.0		PLATING CONFORMS TO TPI.				TC Dead Load : 5.0 psf				BC Dead Load : 5.0 psf
Total	20.0	20.0	40.0	REPORT: NER 691				Max comp. force 377 Lbs				Quality Control Factor 1.25
Spacing	24.0"			ROBBINS ENGINEERING, INC.								
Lumber Duration Factor	1.25			BASED ON SP LUMBER								
Plate Duration Factor	1.25			USING GROSS AREA TEST.								
TC Fb=1.00 Fc=1.00 Ft=1.00				Plate - LOCK 20 Ga, Gross Area								
BC Fb=1.00 Fc=1.00 Ft=1.00				Plate - RHS 20 Ga, Gross Area								

Load Case # 1 Girder Loading				
Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live Dead From To				
TC V	40	20	0.0'	8.5'
BC V	0	20	0.0'	8.5'
TC V	-40	-20	0.0'	
	31	16		8.5'
BC V	0	-20	0.0'	
	0	16		8.5'

Plus 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

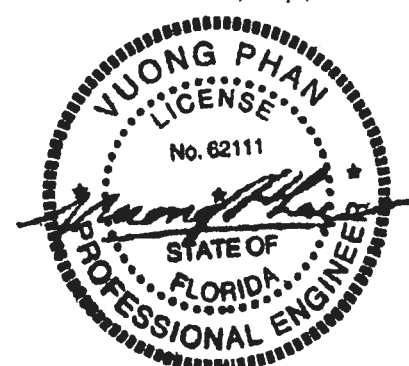
Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	328	35	4-15	1- 8
			Hx =	-49
C	405	69	3- 8	1- 8
			Hx =	129

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

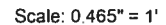
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

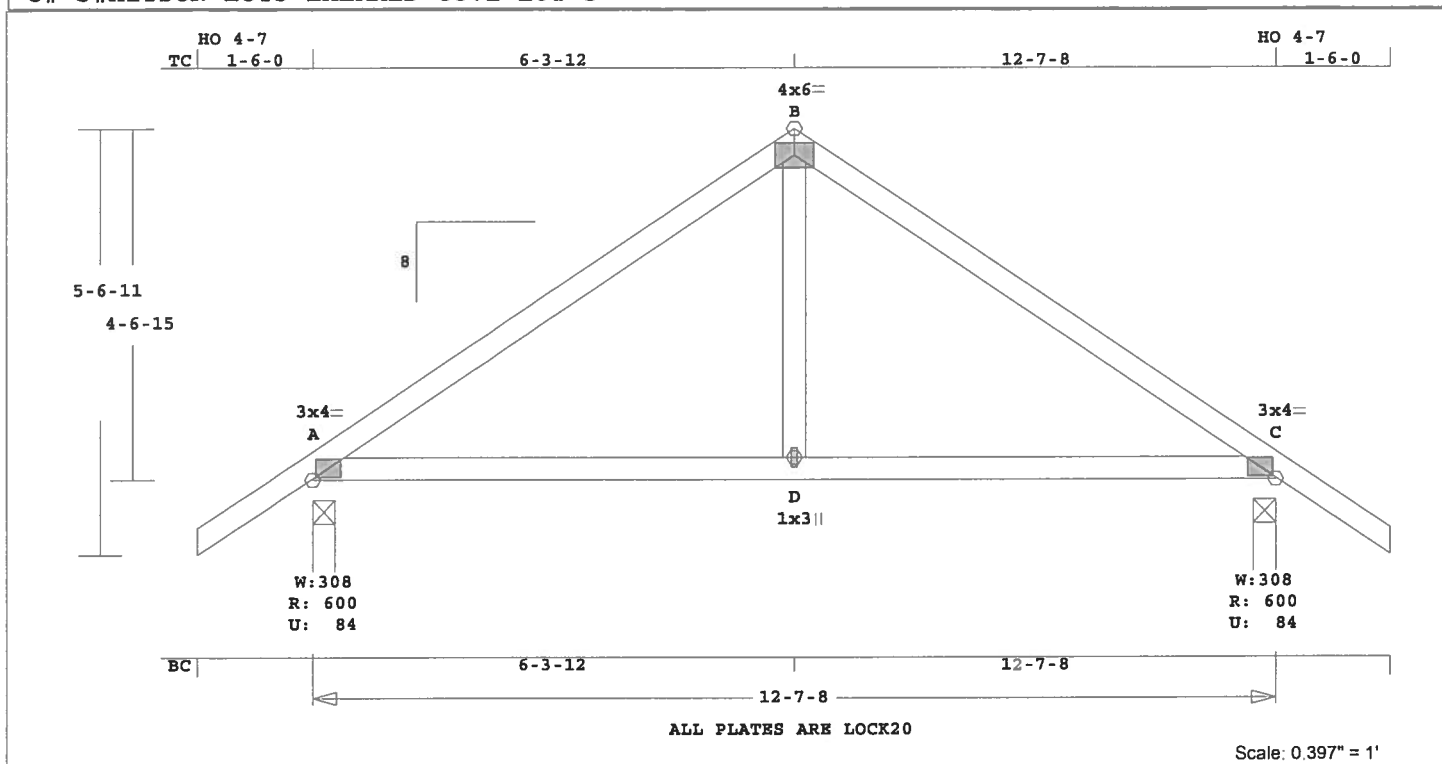
Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



U# J#HITSON-LOT5 EMERALD COVE LOT 5



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	D1	2	TR	120708	8	1- 6- 0	1- 6- 0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 67.5 LBS

Online Plus -- Version 19.0.011				-----Bottom Chords-----				Soffit psf 2.0			
RUN DATE: 06-APR-06				A -D 0.30 423 T 0.07 0.23				Design checked for 10 psf non-concurrent LL on BC.			
				D -C 0.30 423 T 0.07 0.23				Wind Loads - ANSI / ASCE 7-02			
				-----Webs-----				Truss is designed as a Main			
CSI -Size- ----Lumber----				D -B 0.04 285 T				Wind-Force Resistance System.			
TC	0.27	2x 4	SP-#2	TL Defl -0.06" in D -C L/999				Wind Speed: 110 mph			
BC	0.30	2x 4	SP-#2	LL Defl -0.02" in D -C L/999				Mean Roof Height: 15-0			
WB	0.04	2x 4	SP-#2	Shear // Grain in A -B 0.19				Exposure Category: B			
Brace truss as follows:				Plates for each ply each face.				Occupancy Factor : 1.00			
O.C. From To				PLATING CONFORMS TO TPI.				Building Type: Enclosed			
TC Cont. 0- 0- 0 12- 7- 8				REPORT: NER 691				Zone location: Exterior			
BC Cont. 0- 0- 0 12- 7- 8				ROBBINS ENGINEERING, INC.				TC Dead Load : 5.0 psf			
				BASED ON SP LUMBER				BC Dead Load : 5.0 psf			
				USING GROSS AREA TEST.				Max comp. force 504 Lbs			
Loading	Live	Dead	(psf)	Plate - LOCK 20 Ga, Gross Area				Quality Control Factor 1.25			
TC	20.0	10.0		Plate - RHS 20 Ga, Gross Area							
BC	0.0	10.0		Jt Type Plt Size X Y JSI							
Total	20.0	20.0	40.0	A LOCK 3.0x 4.0 Ctr Ctr 0.61							
Spacing			24.0"	B LOCK 4.0x 6.0 Ctr Ctr 0.43							
Lumber Duration Factor			1.25	C LOCK 3.0x 4.0 Ctr Ctr 0.61							
Plate Duration Factor			1.25	D LOCK 1.0x 3.0 Ctr Ctr 0.75							
TC Fb=1.15	Fc=1.10	Ft=1.10									
BC Fb=1.10	Fc=1.10	Ft=1.10									

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	601	84	3- 8	1- 8
			Hz =	-83
C	601	84	3- 8	1- 8
			Hz =	84

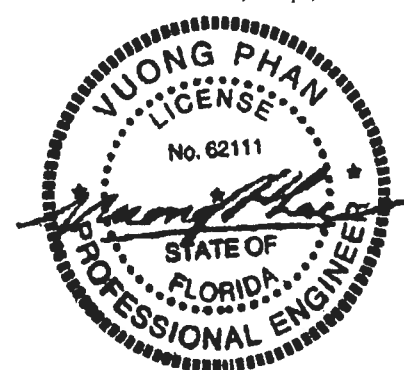
Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.27	504 C	0.00	0.27	
B -C	0.27	504 C	0.00	0.27	

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

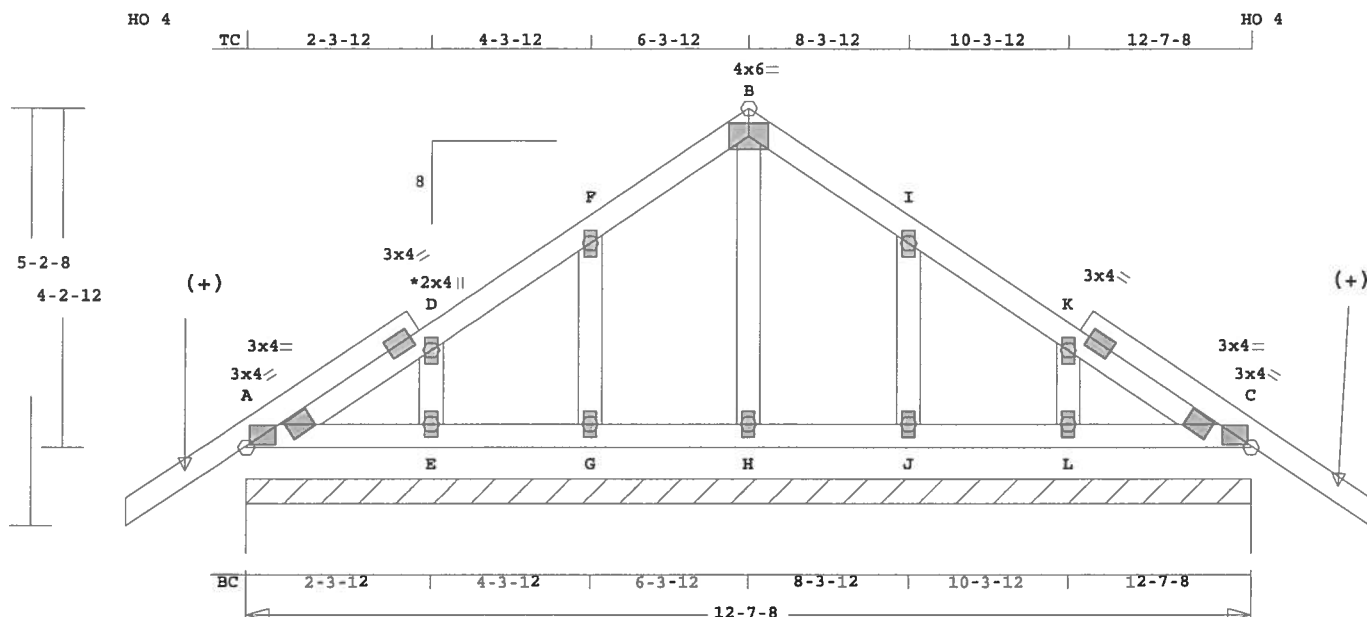
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	D2	1	TR	120708	8	0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 86.8 LBS
Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

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- 7- 8
BC Cont. 0- 0- 0 12- 7- 8

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 12- 7- 8		
	1010	135	Hz =	77

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.03		45 C	0.00	0.03
D -F	0.03		58 C	0.00	0.03
F -B	0.03		62 C	0.00	0.03
B -I	0.03		62 C	0.00	0.03
I -K	0.03		58 C	0.00	0.03
K -C	0.03		45 C	0.00	0.03
-----Bottom Chords-----					
A -E	0.02		5 T	0.00	0.02
E -G	0.02		0 T	0.00	0.02
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	5 T	0.00	0.02

E -D	0.01	134 C
G -F <td>0.01</td> <td>123 C</td>	0.01	123 C
H -B <td>0.00</td> <td>48 C</td>	0.00	48 C
J -I <td>0.01</td> <td>123 C</td>	0.01	123 C
L -K <td>0.01</td> <td>134 C</td>	0.01	134 C

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

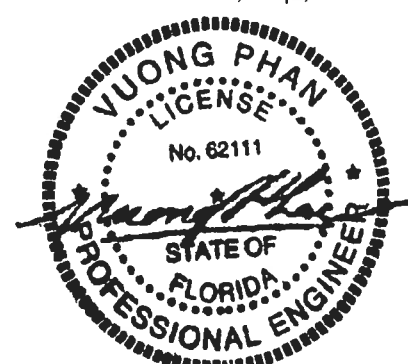
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.61
D LOCK 2.0x 4.0 Ctr Ctr 0.00
F LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 4.0x 6.0 Ctr Ctr 0.43
I LOCK 2.0x 4.0 Ctr Ctr 0.00
K LOCK 2.0x 4.0 Ctr Ctr 0.00
C LOCK 3.0x 4.0 Ctr Ctr 0.61
E LOCK 2.0x 4.0 Ctr Ctr 0.00
G LOCK 2.0x 4.0 Ctr Ctr 0.00
H LOCK 2.0x 4.0 Ctr Ctr 0.00
J LOCK 2.0x 4.0 Ctr Ctr 0.00
L LOCK 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

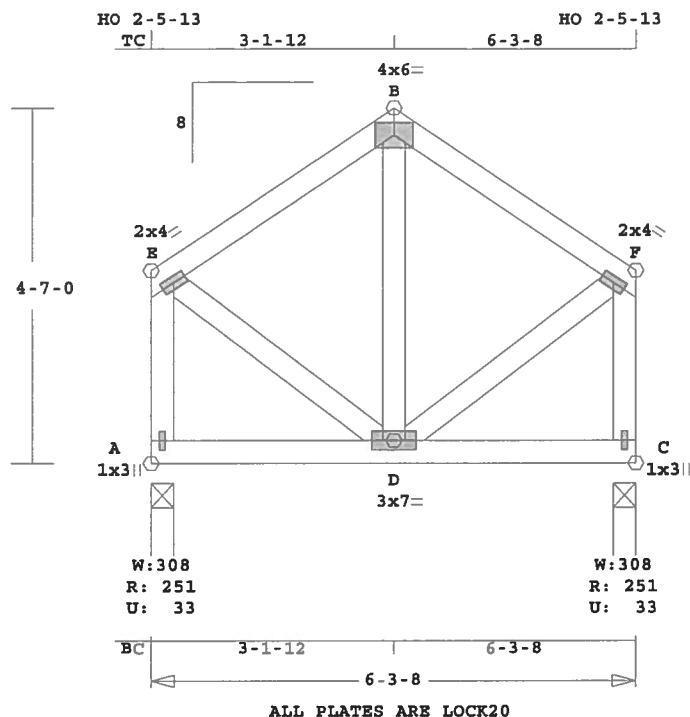
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 134 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	D3	2	TR	60308	8	0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Scale: 0.401" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 54.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

	CSI	-Size-	----	Lumber----
TC	0.08	2x 4	SP-#2	
BC	0.06	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- 3- 8	
BC Cont.	0- 0- 0	6- 3- 8	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	252	34	3- 8	1- 8
			Hz =	-112
C	252	34	3- 8	1- 8
			Hz =	113

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
E -B	0.08		112 C	0.00	0.08	
B -F	0.08		112 C	0.00	0.08	

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

A -D	0.06	83 T	0.00	0.06
D -C	0.06	83 T	0.00	0.06

-----Webs-----

A -E	0.02	225 C	WindLd
E -D	0.02	122 T	
D -B	0.01	75 C	
D -F	0.02	122 T	
C -F	0.02	225 C	WindLd

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

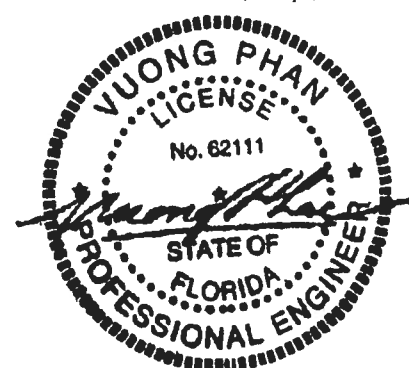
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
E LOCK 2.0x 4.0 Ctr Ctr 0.75
B LOCK 4.0x 6.0 Ctr Ctr 0.36
F LOCK 2.0x 4.0 Ctr Ctr 0.75
A LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 3.0x 7.0 Ctr Ctr 0.33
C LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

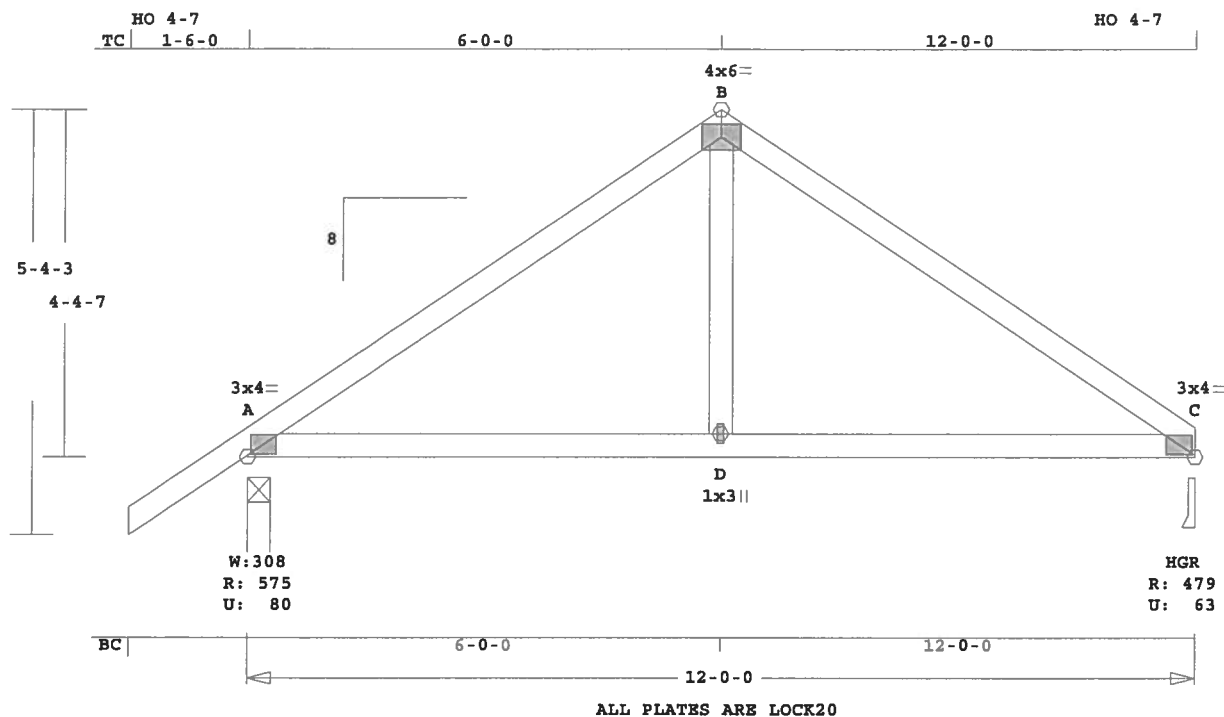
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 225 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	E1	1	TR	120000	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 61.1 LBS

Online Plus -- Version 19.0.011
 RUN DATE: 06-APR-06

CSI	Size	Lumber
TC	0.24	2x 4 SP-#2
BC	0.27	2x 4 SP-#2
WB	0.04	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 0- 0
BC Cont.	0- 0- 0	12- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

-----Bottom Chords-----
 A -D 0.27 400 T 0.04 0.23
 D -C 0.27 400 T 0.04 0.23
 -----Webs-----
 D -B 0.04 270 T

Plates for each ply each face.
 PLATING CONFORMS TO TPI.

REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.

Plate	Type	Plt Size	X	Y	JSI
Plate - LOCK 20 Ga, Gross Area					
Plate - RHS 20 Ga, Gross Area					
A	LOCK	3.0x 4.0	Ctr	Ctr	0.60
B	LOCK	4.0x 6.0	Ctr	Ctr	0.43
C	LOCK	3.0x 4.0	Ctr	Ctr	0.60
D	LOCK	1.0x 3.0	Ctr	Ctr	0.75

Soffit psf 2.0
 Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main Wind-Force Resistance System.

Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 477 Lbs
 Quality Control Factor 1.25

Plus 6 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	576	81	3- 8	1- 8
			Hz =	-79
C	480	64	3- 8	1- 8
			Hz =	80

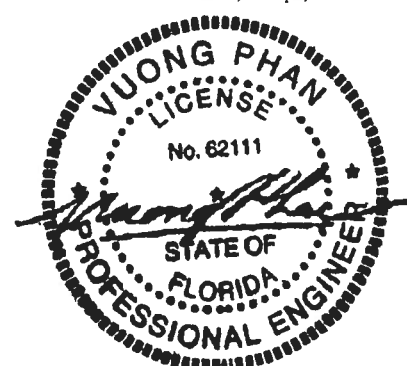
Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.24	477 C	0.00	0.24
B -C	0.24	477 C	0.00	0.24

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

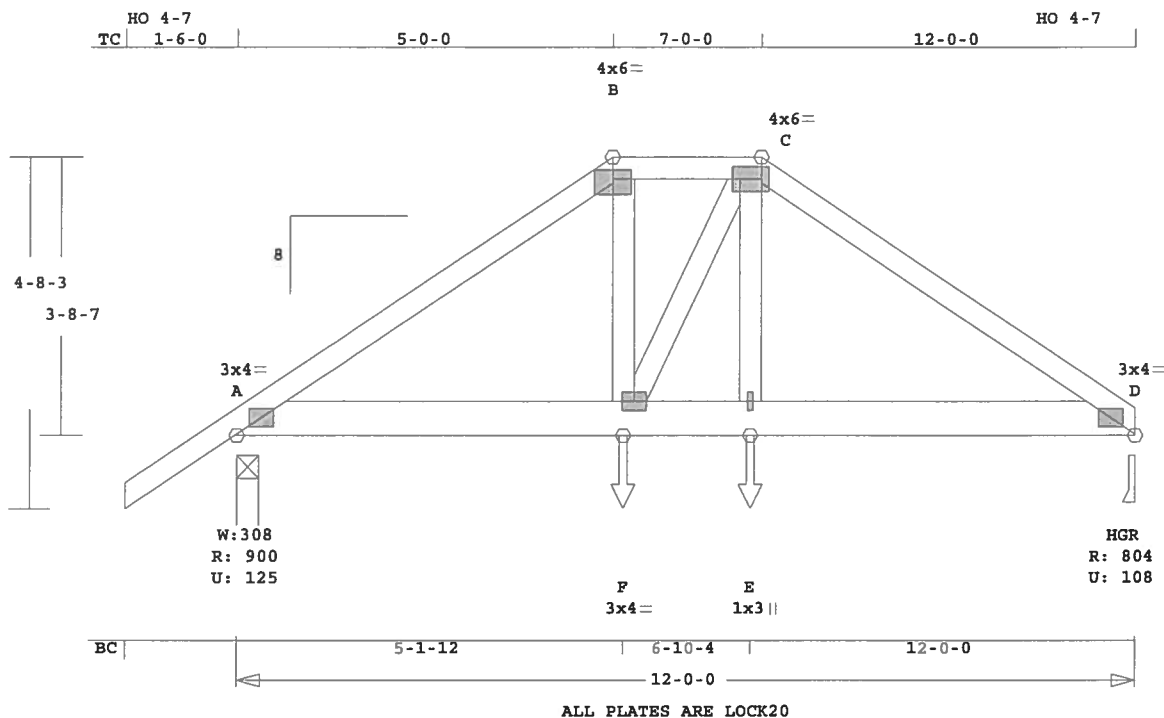
REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	E2	1	HIPP	120000	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 82.0 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

TC	BC	WB	Size	Lumber
0.17	0.21	0.06	2x 4	SP-#2
			2x 6	SP-#2
			2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 0- 0
BC Cont.	0- 0- 0	12- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Girder Loading

Lumber Duration Factor	Plate Duration Factor
1.25	1.25

plf	Live	Dead	From	To
TC V	40	20	0.0'	12.0'
BC V	0	20	0.0'	12.0'
TC V	30	15	5.0'	7.0'
BC V	0	15	5.1'	6.9'
BC V	133	133	5.1'	CL-LB
BC V	133	133	6.9'	CL-LB

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	900	125	3- 8	1- 8
			Hx =	-65
D	804	108	3- 8	1- 8
			Hx =	66

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
A - B	0.17	1094	C	0.01 0.16
B - C	0.04	909	C	0.00 0.04
C - D	0.17	1089	C	0.01 0.16
A - F	0.21	909	T	0.12 0.09
F - E	0.14	896	T	0.11 0.03
E - D	0.21	907	T	0.12 0.09
F - B	0.06	353	T	
F - C	0.01	74	T	
E - C	0.06	351	T	

TL Defl -0.03" in E -D L/999
LL Defl -0.01" in E -D L/999
Shear // Grain in A -B 0.14

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate - LOCK 20 Ga, Gross Area			
Plate - RHS 20 Ga, Gross Area			
Jt Type	Plt Size	X	Y JSI
A LOCK	3.0x 4.0	Ctr	Ctr 0.64
B LOCK	4.0x 6.0	Ctr	0.5 0.95
C LOCK	4.0x 6.0	Ctr	Ctr 0.71
D LOCK	3.0x 4.0	Ctr	Ctr 0.64
F LOCK	3.0x 4.0	Ctr	Ctr 0.43
E LOCK	1.0x 3.0	Ctr	Ctr 0.76

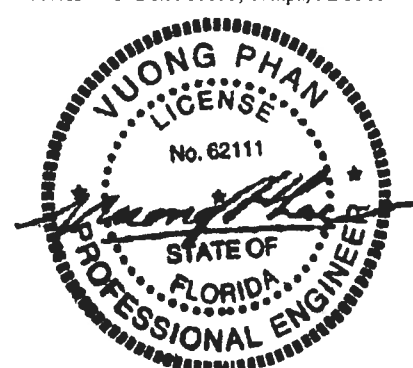
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:

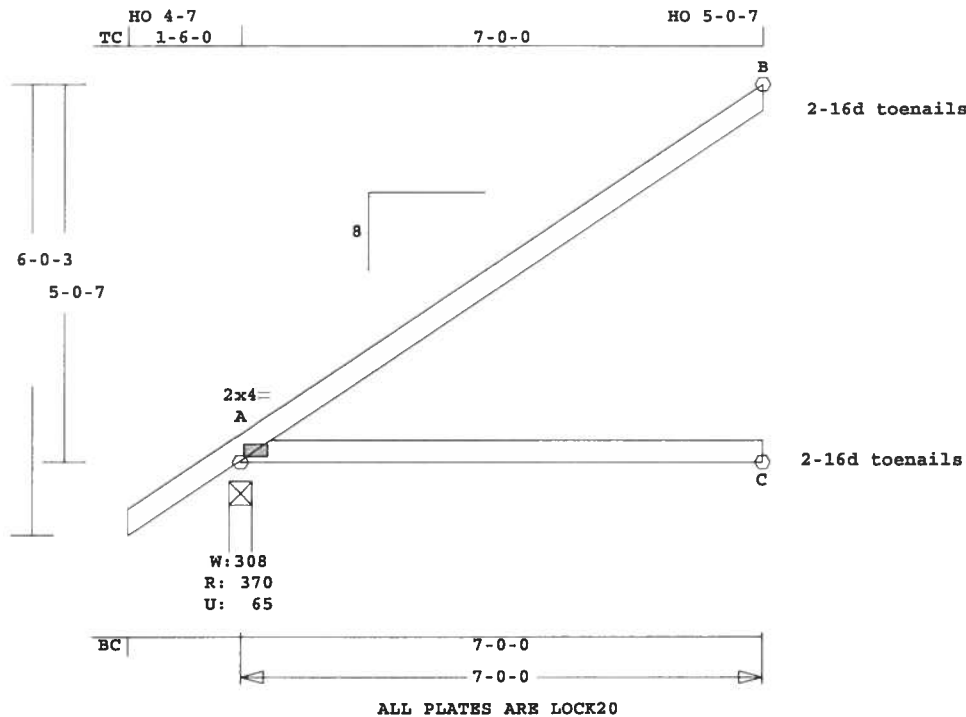
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 5- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1094 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	J1	29	JCA2	70000	8	1- 6- 0	0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



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

A -C 0.37 0 T 0.00 0.37

concurrent LL on BC.

Online Plus -- Version 19.0.011

RUN DATE: 06-APR-06

TL Defl -0.20" in A -C L/407

LL Defl -0.08" in A -C L/999

Shear // Grain in A -B 0.23

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 72 Lbs

Quality Control Factor 1.25

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

TC 0.50 2x 4 SP-#2

BC 0.37 2x 4 SP-#2

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.64

Brace truss as follows:

O.C. From To

TC Cont. 0- 0- 0 7- 0- 0

BC Cont. 0- 0- 0 7- 0- 0

Loading Live Dead (psf)

TC 20.0 10.0

BC 0.0 10.0

Total 20.0 20.0 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

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

Plus 5 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Jt React Uplft Size Req'd

Lbs Lbs In-Sx In-Sx

A 370 65 3- 8 1- 8

Hz = 141

C 129 0 1- 8 1- 8

B 183 97 1- 8 1- 8

Hz = 96

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-

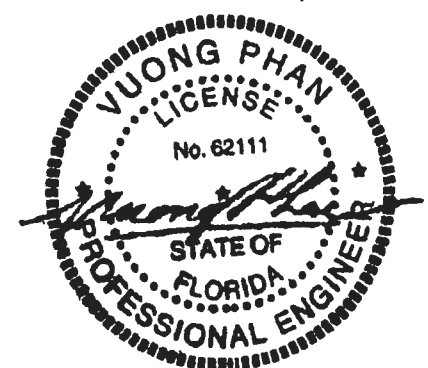
Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----

A -B 0.50 72 C 0.00 0.50

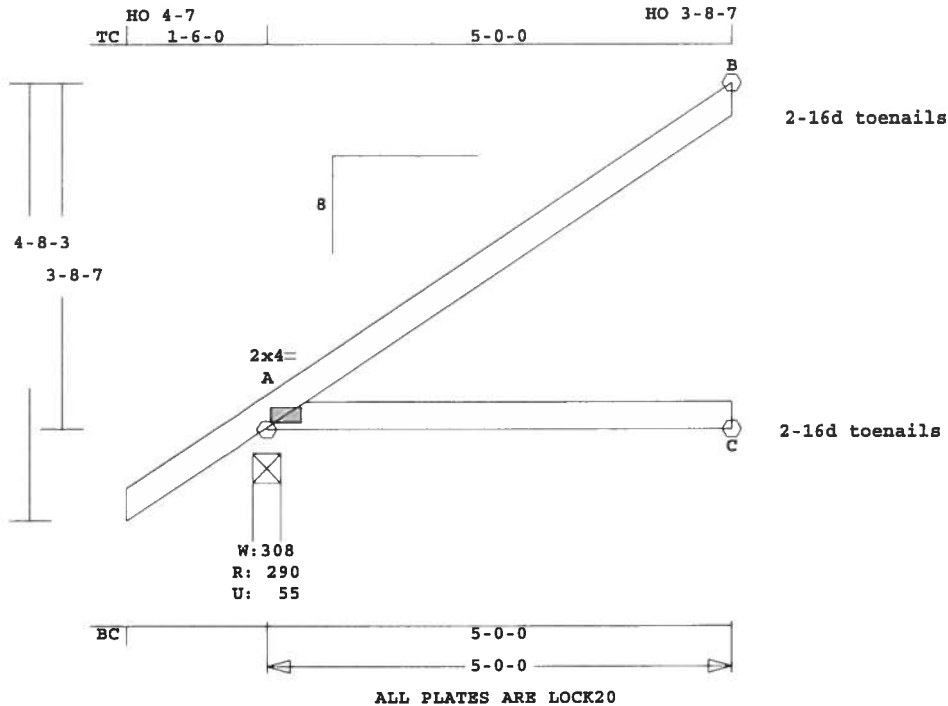
-----Bottom Chords-----

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	J2	12	JCA2	50000	8	1- 6- 0	0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.6 LBS

A -C 0.18 0 T 0.00 0.18 concurrent LL on BC.

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ----Lumber----
TC 0.25 2x 4 SP-#2
BC 0.18 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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.60

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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-

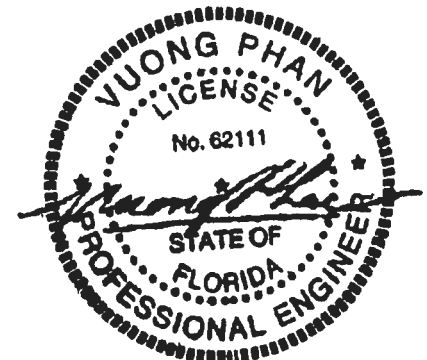
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 50 Lbs
Quality Control Factor 1.25

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	290	55	3- 8	1- 8
			Hz =	100
C	91	0	1- 8	1- 8
B	129	69	1- 8	1- 8
			Hz =	68

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.25 50 C 0.00 0.25
-----Bottom Chords-----

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



HO 4-7
TC 1-6-0

HO 2-4-7
3-0-0

8

3-4-3
2-4-7

2x4=
A

W: 308
R: 210
U: 44

BC

3-0-0
3-0-0

2-16d toenails

2-16d toenails

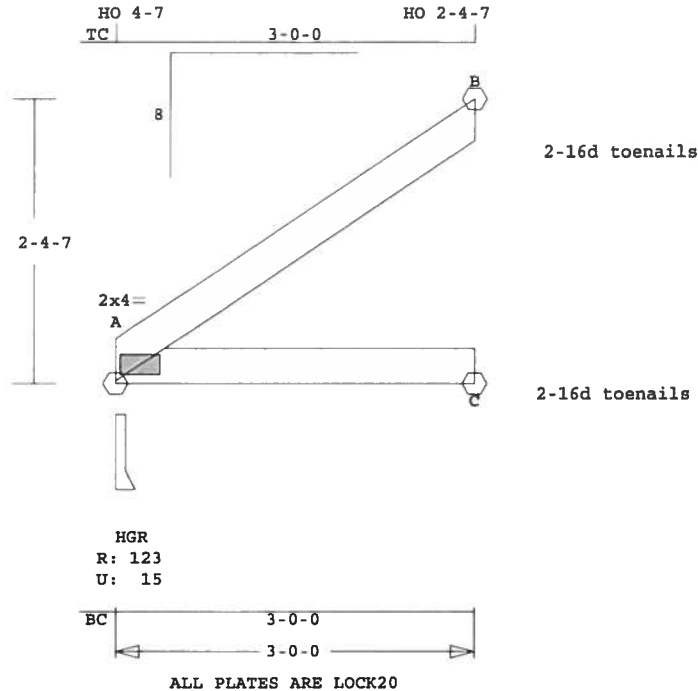
ALL PLATES ARE LOCK20

Scale: 0.646" = 1'

Date Sealed: 4/7/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	J3A	1	JCA2	30000	8	0	0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Scale: 0.622" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 12.8 LBS

A -C 0.06 0 T 0.00 0.06

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ----Lumber----
TC 0.08 2x 4 SP-#2
BC 0.06 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	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	124	15	3- 8	1- 8
			Hz =	59
C	53	0	1- 8	1- 8
B	75	41	1- 8	1- 8
			Hz =	40

Membr CSI P Lbs Axl-C SI-Bnd
-----Top Chords-----
A -B 0.08 29 C 0.00 0.08
-----Bottom Chords-----

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.59

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

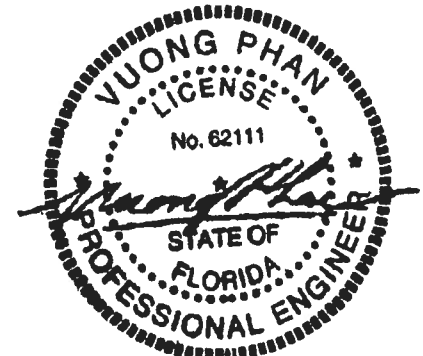
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

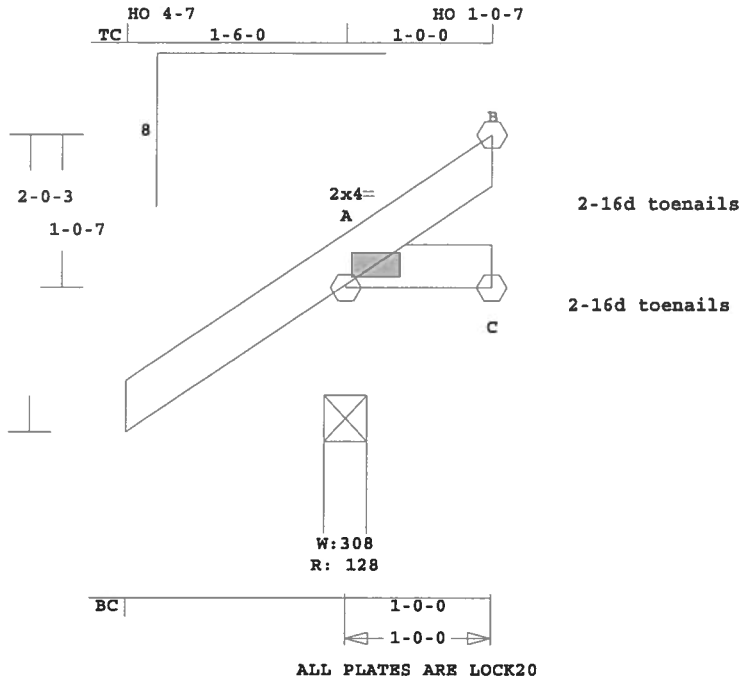
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 29 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HITSON-LOT5	J4	16	JCA2	10000	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Scale: 0.763" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 7.9 LBS
A -C 0.00 13 T

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

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	1- 0- 0
BC Cont.	0- 0- 0	1- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.59

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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-

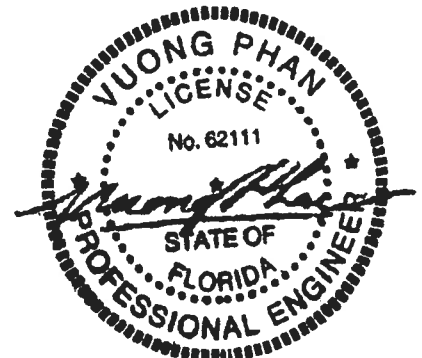
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 11 Lbs
Quality Control Factor 1.25

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	129	0	3- 8	1- 8
			Hz =	19
B	27	16	1- 8	1- 8
C	14	0	1- 8	1- 8
			Hz =	13

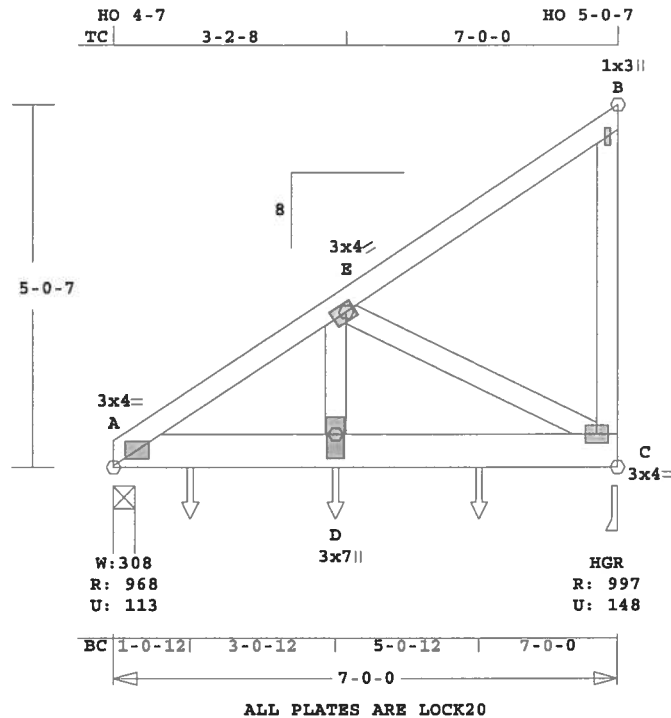
Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.00 11 C
-----Bottom Chords-----

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	JG1	1	MONO.DD	70000	8	0	0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 54.6 LBS

Membr CSI P Lbs Ax1-C SI-Bnd FBC2004

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

	CSI	-Size-	----	Lumber----
TC	0.16	2x 4	SP-#2	
BC	0.58	2x 6	SP-#2	
WB	0.30	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	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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

Load Case # 1 Standard Loading

	Duration Factor	1.25
plf - Live	Dead	From
TC V	40	20
BC V	0	20
BC V	402	402
BC V	240	240
BC V	62	62

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	969	113	3- 8	1- 8
C	997	149	3- 8	1- 8

	A - E	0.13	1402	C	0.01	0.12
E - B	0.16	68	C	0.00	0.16	
A - D	0.25	1178	T	0.15	0.10	
D - C	0.58	1178	T	0.15	0.43	
D - E	0.21	1259	T			
E - C	0.30	1332	C			
C - B	0.03	106	C	WindLd		

TL Defl -0.02" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in D -C 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.65
E LOCK 3.0x 4.0-0.4-0.3 0.89
B LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 3.0x 7.0 Ctr-0.6 0.90
C LOCK 3.0x 4.0 Ctr Ctr 0.72

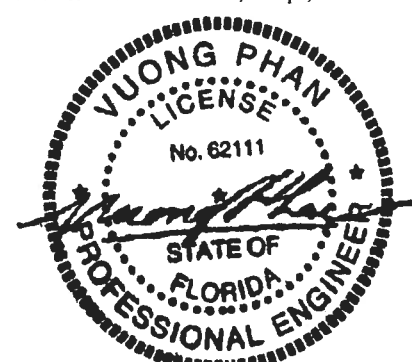
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

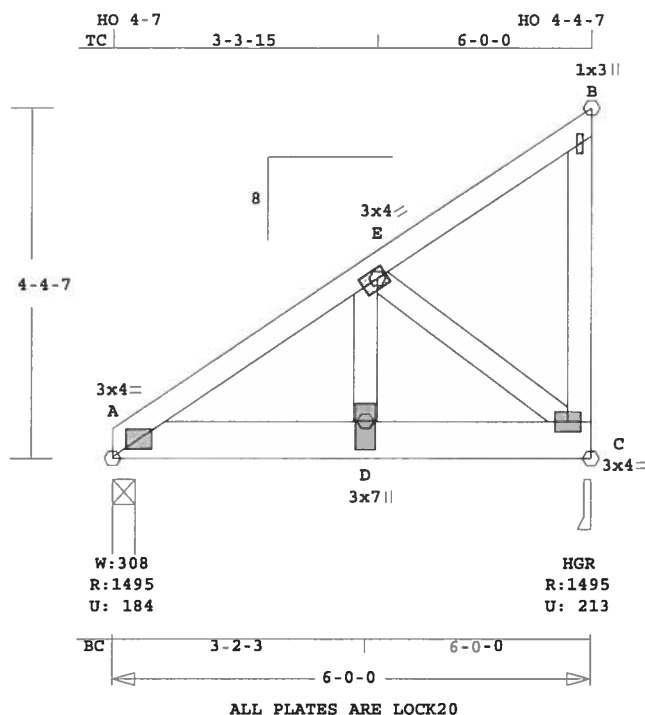
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1402 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	JG2	1	MONO.DD	60000	8	0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Scale: 0.415" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 46.7 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

TC	BC	WB	Size	Lumber
0.17	0.46	0.25	2x 4	SP-#2
			2x 6	SP-#2
			2x 4	SP-#2

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Load Case # 1 Girder Loading	Lumber Duration Factor	Plate Duration Factor	plf - Live	Dead	From	To
TC V	40	20	0.0'	6.0'		
BC V	209	229	0.0'	6.0'		

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1495	185	3- 8	1-12
			Hz =	-72
C	1495	214	3- 8	1-12
			Hz =	146

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----

A -E	0.17	1311	C	0.01	0.16
E -B	0.10	53	C	0.00	0.10
A -D	0.46	1112	T	0.14	0.32
D -C	0.41	1112	T	0.14	0.27
D -E	0.25	1387	T		
E -C	0.21	1412	C		
C -B	0.02	69	C		

TL Defl -0.02" in A -D L/999
LL Defl -0.01" in A -D L/999
Shear // Grain in A -D 0.58

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate - LOCK	20 Ga <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X	Y
A	LOCK	3.0x 4.0	Ctr Ctr
E	LOCK	3.0x 4.0	0.4-0.3
B	LOCK	1.0x 3.0	Ctr Ctr
D	LOCK	3.0x 7.0	Ctr-0.8
C	LOCK	3.0x 4.0	Ctr Ctr

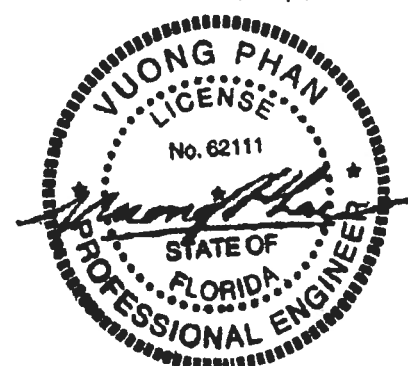
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

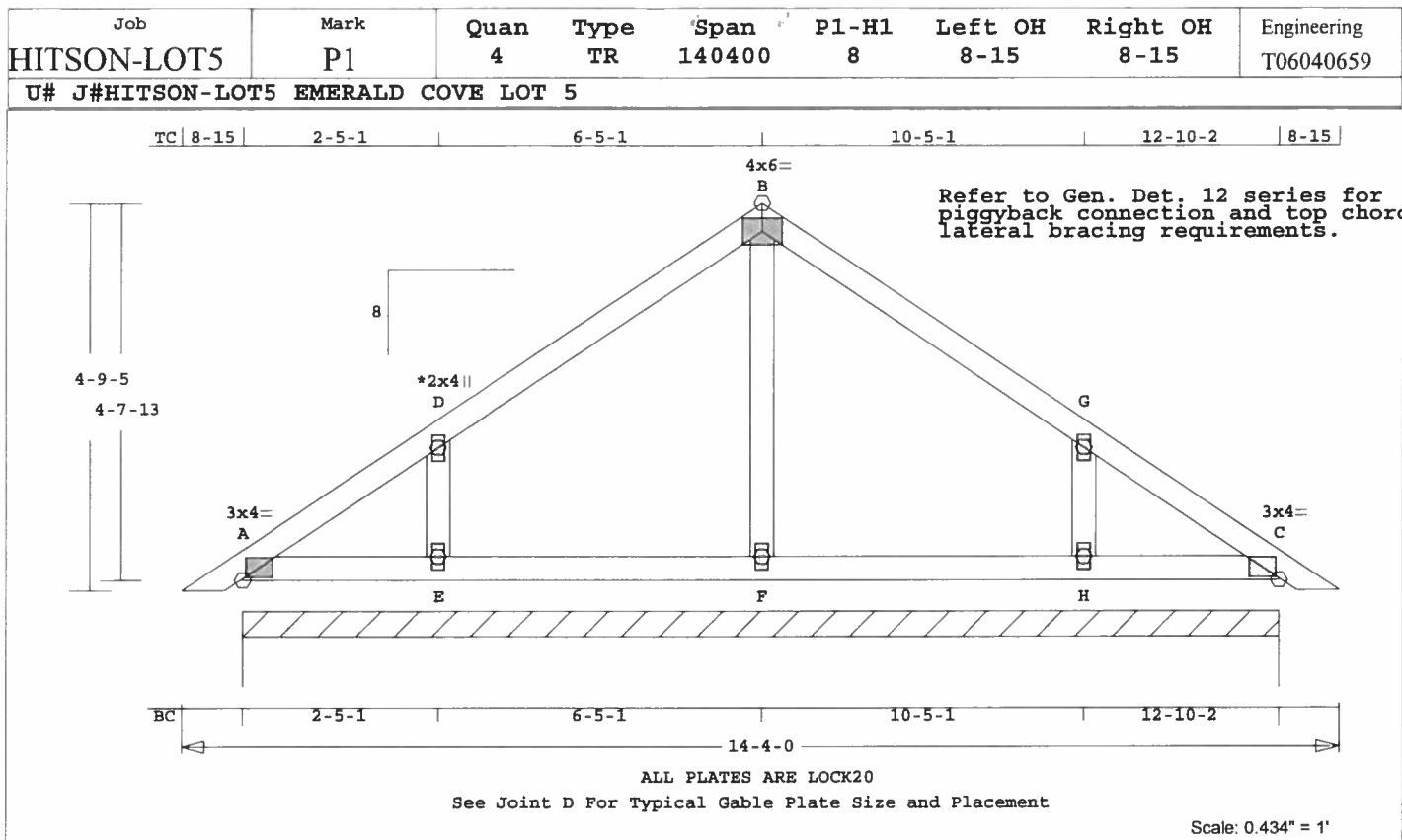
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Common

Loading BC
Span 22-11- 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 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1412 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 69.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI	Size	Lumber
TC	0.12 2x 4	SP-#2
BC	0.09 2x 4	SP-#2
GW	0.03 2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 4- 0
BC Cont.	0- 0- 0	14- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 12-10-	2	
	1123	154	Hz =	86

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.12		58 C	0.00	0.12
D -B	0.12		80 C	0.00	0.12
B -G	0.12		80 C	0.00	0.12
G -C	0.12		58 C	0.00	0.12
-----Bottom Chords-----					
A -E	0.06		1 T	0.00	0.06
E -F	0.09		0 T	0.00	0.09
F -H	0.09		0 T	0.00	0.09
H -C	0.06		1 T	0.00	0.06

-----Gable Webs-----
E -D 0.02 218 C
F -B 0.03 147 C
H -G 0.02 218 C

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

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.61
D LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 4.0x 6.0 Ctr Ctr 0.44
G LOCK 2.0x 4.0 Ctr Ctr 0.00
C LOCK 3.0x 4.0 Ctr Ctr 0.61
E LOCK 2.0x 4.0 Ctr Ctr 0.00
F LOCK 2.0x 4.0 Ctr Ctr 0.00
H LOCK 2.0x 4.0 Ctr Ctr 0.00

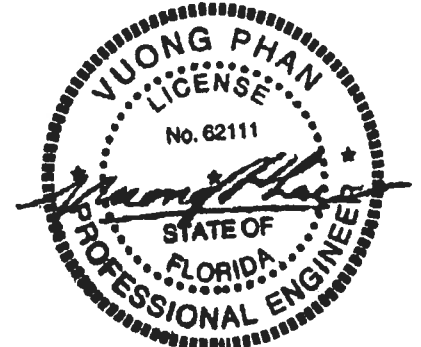
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

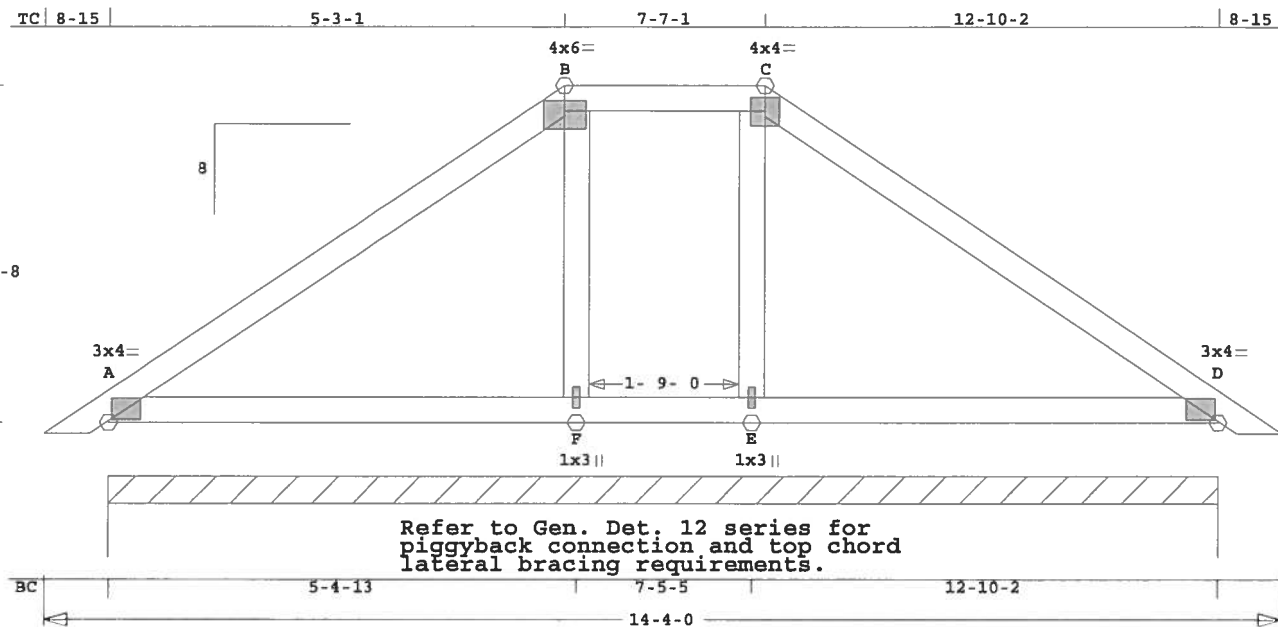
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 218 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	P2	2	HIPP	140400	8	8-15	8-15	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



ALL PLATES ARE LOCK20

Scale: 0.450" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 68.4 LBS

F -E 0.12 0 T 0.00 0.12 OH Loading

E -D 0.13 2 T 0.00 0.13 Soffit psf 2.0

Online Plus -- Version 19.0.011

RUN DATE: 06-APR-06

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

TC 0.21 2x 4 SP-#2

BC 0.13 2x 4 SP-#2

WB 0.01 2x 4 SP-#2

TL Defl -0.04" in A -F L/999

LL Defl -0.02" in A -F L/999

Shear // Grain in A -B 0.16

Brace truss as follows:

O.C. From To

TC Cont. 0- 0- 0 14- 4- 0

BC Cont. 0- 0- 0 14- 4- 0

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 3.0x 4.0 Ctr Ctr 0.61

B LOCK 4.0x 6.0 Ctr-0.5 0.97

C LOCK 4.0x 4.0 Ctr Ctr 0.72

D LOCK 3.0x 4.0 Ctr Ctr 0.61

F LOCK 1.0x 3.0 Ctr Ctr 0.75

E LOCK 1.0x 3.0 Ctr Ctr 0.75

Loading Live Dead (psf)

TC 20.0 10.0

BC 0.0 10.0

Total 20.0 20.0 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

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 a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 490 Lbs

Quality Control Factor 1.25

Plus 6 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Jt React Uplft Size Req'd

Lbs Lbs In-Sx In-Sx

Cont. Brg 0- 0- 0 to 12-10- 2

1123 154 Hz = 70

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----

A -B 0.21 490 C 0.00 0.21

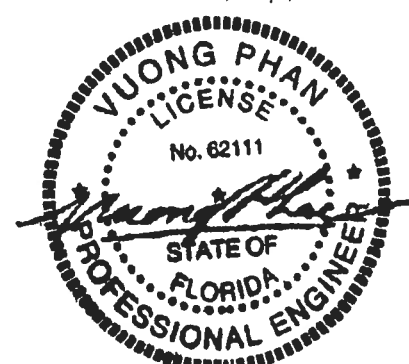
B -C 0.08 405 C 0.00 0.08

C -D 0.21 490 C 0.00 0.21

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

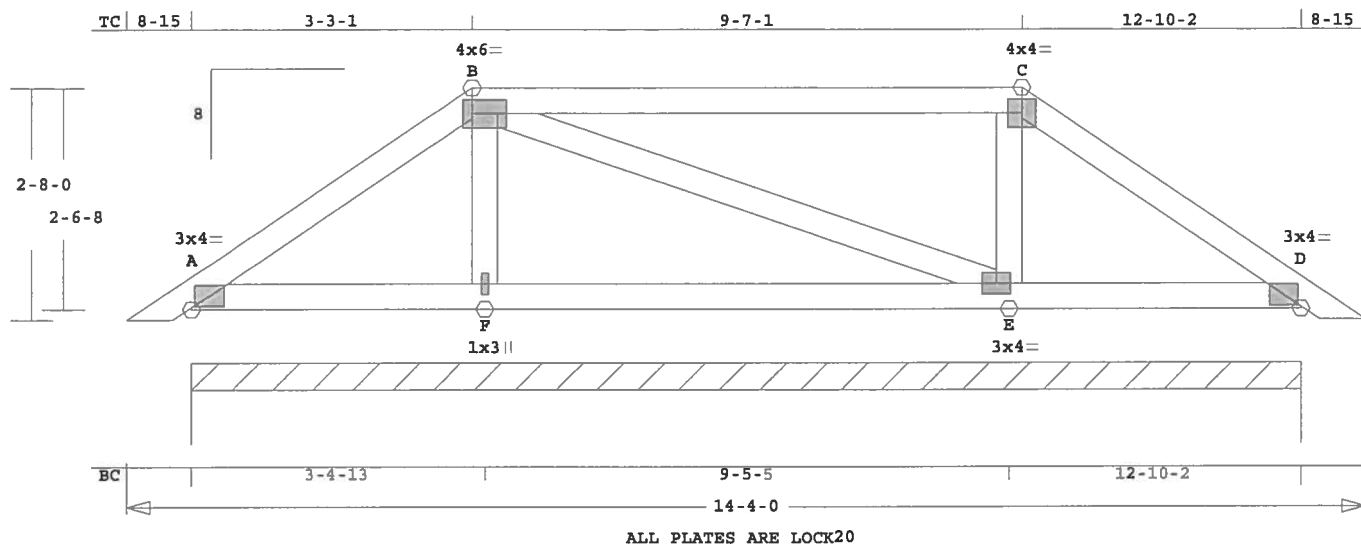
A -F 0.13 2 T 0.00 0.13

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	P3	2	HIPP	140400	8	8-15	8-15	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Refer to Gen. Det. 12 series for
piggyback connection and top chord
lateral bracing requirements.



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 73.3 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

	CSI	-Size-	----	Lumber----
TC	0.30	2x 4	SP-#2	
BC	0.16	2x 4	SP-#2	
WB	0.05	2x 4	SP-#2	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	14- 4- 0	
BC Cont.	0- 0- 0	14- 4- 0	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

-----Webs-----
F -B 0.04 377 C
B -E 0.05 162 T
E -C 0.02 200 C

TL Defl -0.05" in F -E L/999
LL Defl -0.02" in F -E L/999
Shear // Grain in B -C 0.22

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate - LOCK 20 Ga, <td></td> <td></td> <td>Gross Area</td>			Gross Area
Jt Type	Plt Size	X	Y JSI
A	LOCK	3.0x 4.0	Ctr Ctr 0.61
B	LOCK	4.0x 6.0	Ctr Ctr 0.72
C	LOCK	4.0x 4.0	Ctr Ctr 0.72
D	LOCK	3.0x 4.0	Ctr Ctr 0.61
F	LOCK	1.0x 3.0	Ctr Ctr 0.75
E	LOCK	3.0x 4.0	Ctr Ctr 0.43

concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 377 Lbs
Quality Control Factor 1.25

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	to 12-10- 2		
	1123	154	Hz =	43

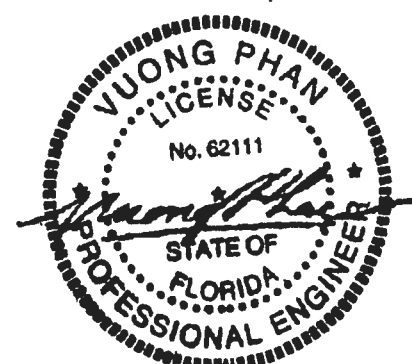
Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.07		98 C	0.00	0.07
B -C	0.30		136 C	0.00	0.30
C -D	0.11		153 C	0.00	0.11
-----Bottom Chords-----					
A -F	0.16		1 T	0.00	0.16
F -E	0.16		0 T	0.00	0.16
E -D	0.16		1 T	0.00	0.16

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

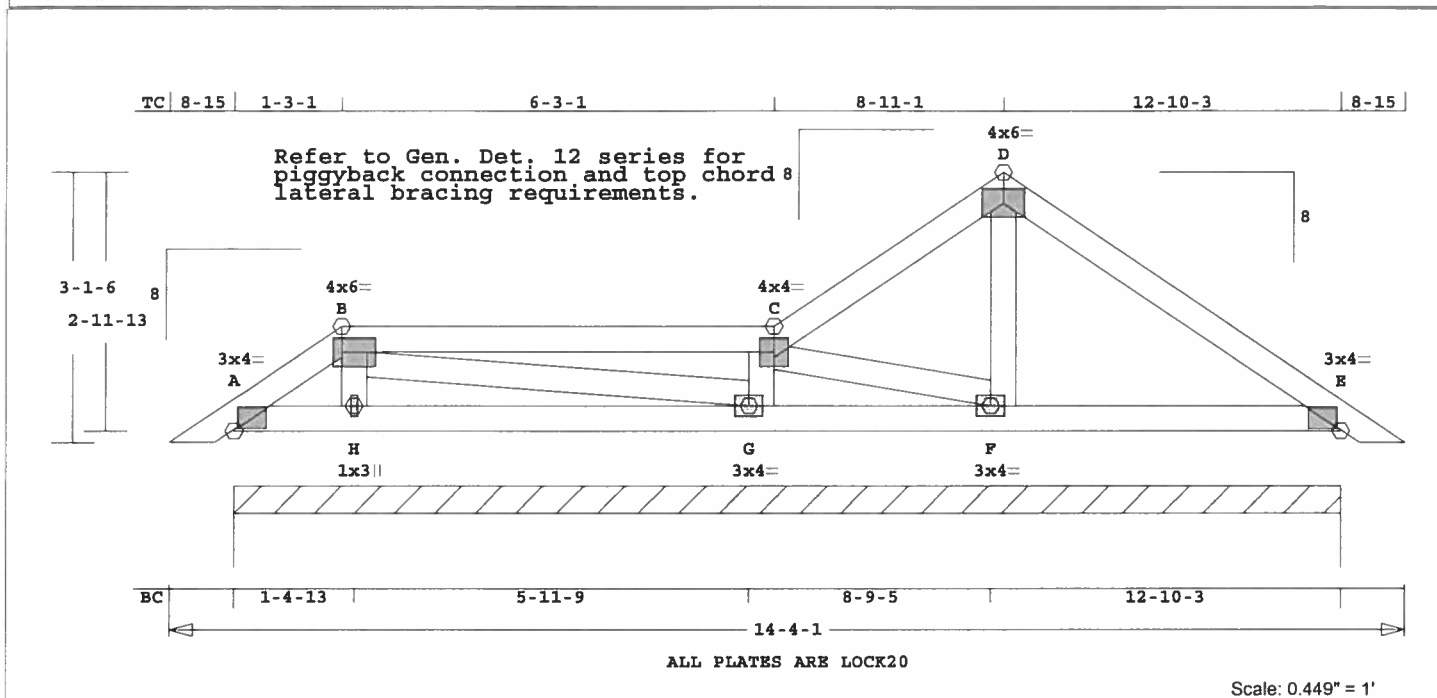
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	P4	1	SP	140401	8	8-15	8-15	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 75.4 LBS

Online Plus -- Version 19.0.011
 RUN DATE: 06-APR-06

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

TC	0.18	2x 4	SP-#2
BC	0.10	2x 4	SP-#2
WB	0.03	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 4- 1
BC Cont.	0- 0- 0	14- 4- 1

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0	12-10- 3	
	1123	154	Hz =	50

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A -B	0.01		36 C	0.00	0.01	
B -C	0.18		197 C	0.00	0.18	
C -D	0.05		116 C	0.00	0.05	
D -E	0.11		116 C	0.00	0.11	
-----Bottom Chords-----						
A -H	0.10		0 T	0.00	0.10	

H -G	0.10	0 T	0.00	0.10
G -F	0.08	0 T	0.00	0.08
F -E	0.08	1 T	0.00	0.08

-----Webs-----

H -B	0.02	237 C
B -G	0.03	185 T
G -C	0.02	253 C
C -F	0.01	137 C
F -D	0.00	63 C

TL Defl	-0.02"	in H -G	L/999
LL Defl	-0.01"	in H -G	L/999
Shear //	Grain	in B -C	0.17

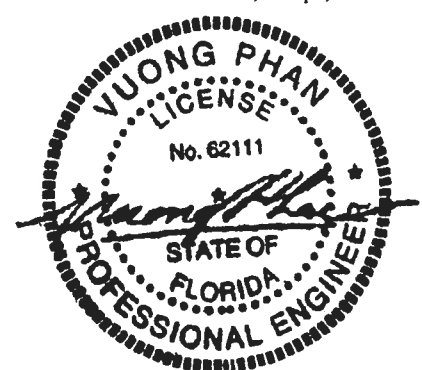
Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 3.0x 4.0 Ctr Ctr 0.61
 B LOCK 4.0x 6.0 Ctr Ctr 0.72
 C LOCK 4.0x 4.0 Ctr Ctr 0.72
 D LOCK 4.0x 6.0 Ctr Ctr 0.44
 E LOCK 3.0x 4.0 Ctr Ctr 0.61
 H LOCK 1.0x 3.0 Ctr Ctr 0.75
 G LOCK 3.0x 4.0 Ctr Ctr 0.58
 F LOCK 3.0x 4.0 Ctr Ctr 0.59

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

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

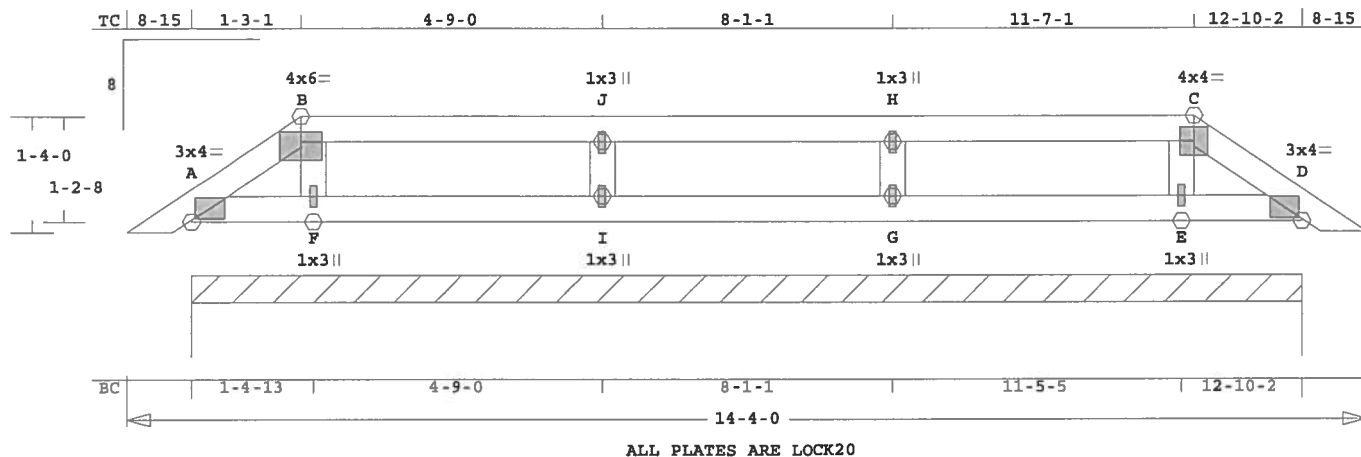
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 253 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	P5	1	HIPP	140400	8	8-15	8-15	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								

Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.



Scale: 0.450" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 57.6 LBS

G -E 0.06 0 T 0.00 0.06 Analysis Conforms To:
E -D 0.04 0 T 0.00 0.04 FBC2004

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ---Lumber---
TC 0.11 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 14- 4- 0	
BC Cont.	0- 0- 0 14- 4- 0	

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 12-10- 2		
	1123	167	Hz =	15

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.01	16 C	0.00	0.01	
B -J	0.11	20 C	0.00	0.11	
J -H	0.11	20 C	0.00	0.11	
H -C	0.11	20 C	0.00	0.11	
C -D	0.01	16 C	0.00	0.01	
-----Bottom Chords-----					
A -F	0.04	0 T	0.00	0.04	
F -I	0.06	0 T	0.00	0.06	
I -G	0.06	0 T	0.00	0.06	

-----Webs-----
F -B 0.01 127 C
I -J 0.01 213 C
G -H 0.01 213 C
E -C 0.01 127 C

TL Defl 0.00" in G -E L/999
LL Defl 0.00" in G -E L/999
Shear // Grain in B -J 0.14

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.61
B LOCK 4.0x 6.0 Ctr-0.5 0.97
J LOCK 1.0x 3.0 Ctr Ctr 0.75
H LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 4.0x 4.0 Ctr Ctr 0.72
D LOCK 3.0x 4.0 Ctr Ctr 0.61
F LOCK 1.0x 3.0 Ctr Ctr 0.75
I LOCK 1.0x 3.0 Ctr Ctr 0.75
G LOCK 1.0x 3.0 Ctr Ctr 0.75
E LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

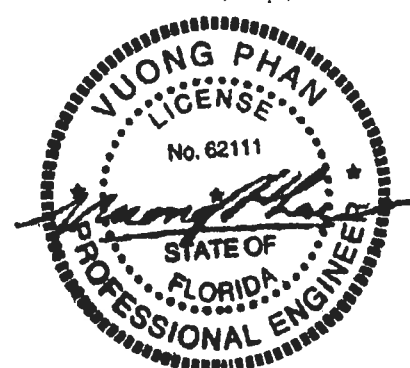
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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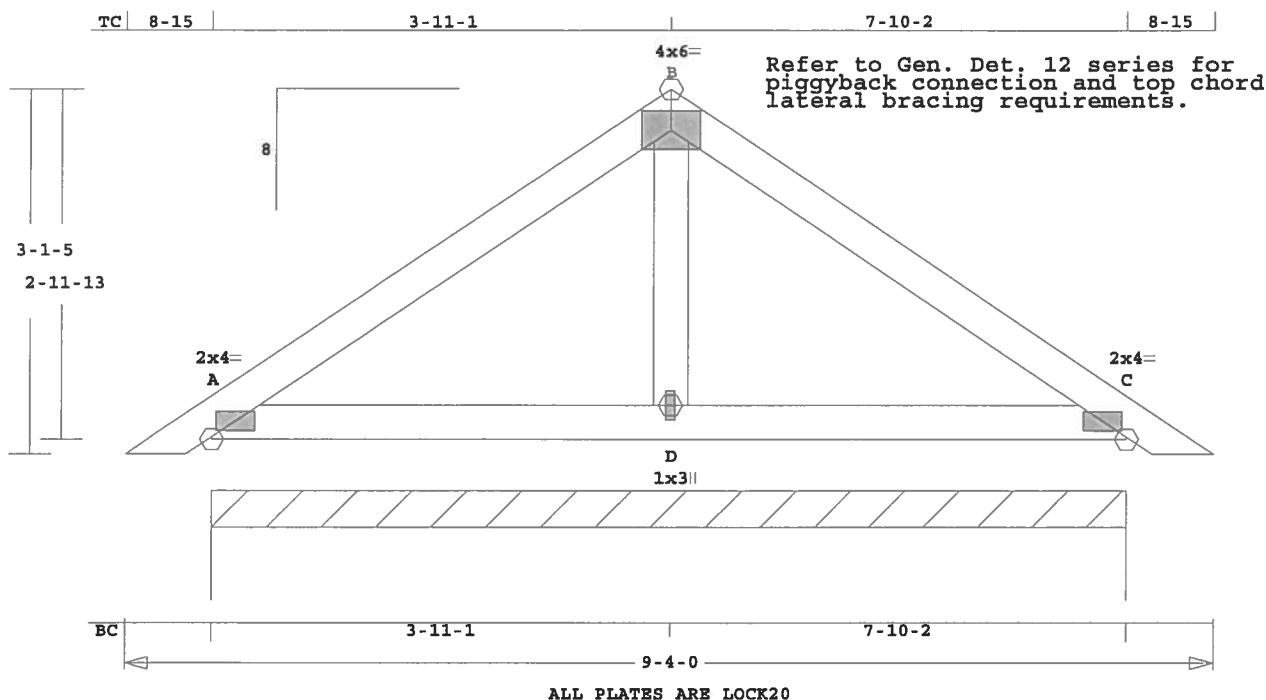
Trusses Manufactured by:
Mayo Truss Co. Inc.

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.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 213 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	P6	4	TR	90400	8	8-15	8-15	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 40.4 LBS

D -C 0.09 1 T 0.00 0.09 concurrent LL on BC.

-----Webs-----

D -B 0.00 51 T

Online Plus -- Version 19.0.011

RUN DATE: 06-APR-06

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

TC 0.09 2x 4 SP-#2

BC 0.09 2x 4 SP-#2

WB 0.00 2x 4 SP-#2

Brace truss as follows:

O.C. From To

TC Cont. 0- 0- 0 9- 4- 0

BC Cont. 0- 0- 0 9- 4- 0

Loading Live Dead (psf)

TC 20.0 10.0

BC 0.0 10.0

Total 20.0 20.0 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

TL Defl -0.01" in A -D L/999

LL Defl 0.00" in A -D L/999

Shear // Grain in A -B 0.11

Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.65

B LOCK 4.0x 6.0 Ctr Ctr 0.38

C LOCK 2.0x 4.0 Ctr Ctr 0.65

D LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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-

Refer to Gen Det 3 series for

web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 205 Lbs

Quality Control Factor 1.25

Plus 6 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Jt React Uplft Size Req'd

Lbs Lbs In-Sx In-Sx

Cont. Brg 0- 0- 0 to 7-10- 2

723 100 Hz = 51

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----

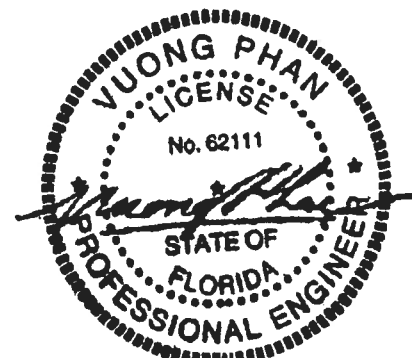
A -B 0.09 205 C 0.00 0.09

B -C 0.09 205 C 0.00 0.09

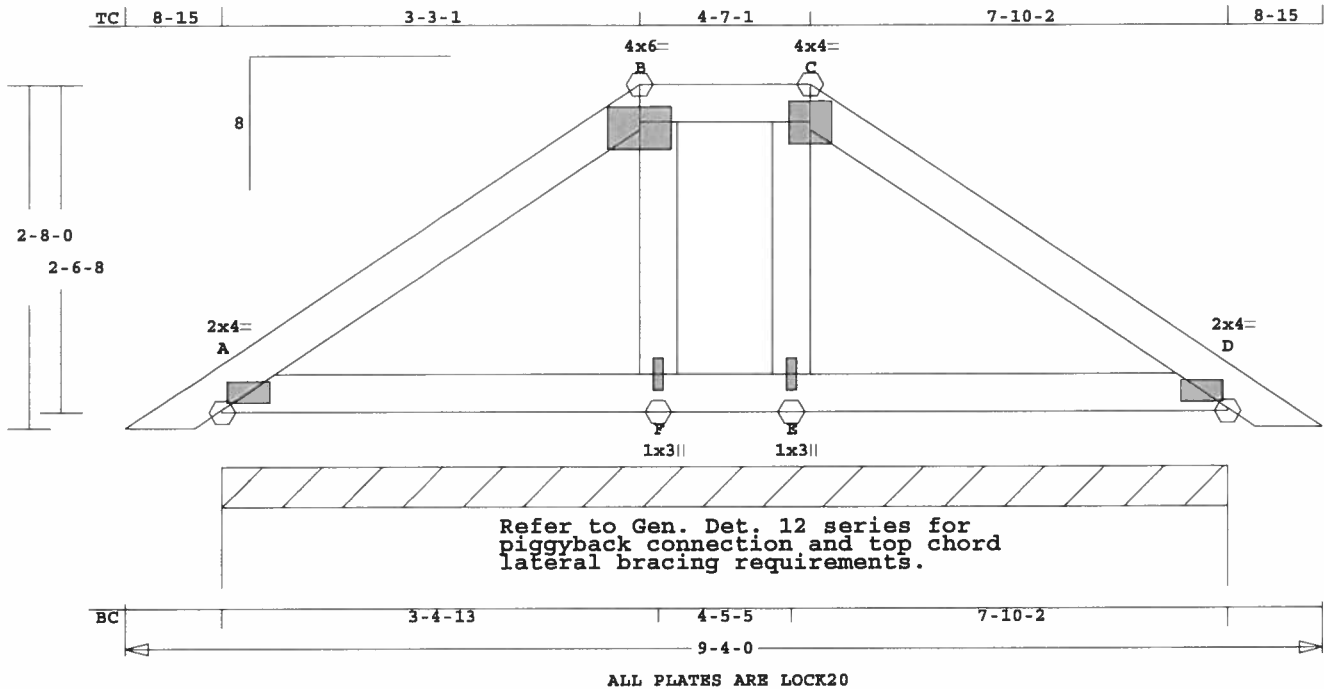
-----Bottom Chords-----

A -D 0.09 1 T 0.00 0.09

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job HITSON-LOT5	Mark P7	Quan 1	Type HIPP	Span 90400	P1-H1 8	Left OH 8-15	Right OH 8-15	Engineering T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 42.9 LBS

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	0.00	33 T		
E -C	0.00	33 T		
TL Defl	-0.01"	in A -F	L/999	
LL Defl	0.00"	in A -F	L/999	
Shear // Grain		in A -B	0.09	

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size-	----	Lumber----
TC	0.07	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	9- 4- 0
BC Cont.	0- 0- 0	9- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplft	Size Req'd
Lbs	Lbs In-Sx In-Sx
Cont. Brg	0- 0- 0 to 7-10- 2
723	100 Hz = 43

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A -B	0.07		208 C	0.00	0.07	
B -C	0.03		170 C	0.00	0.03	
C -D	0.07		208 C	0.00	0.07	
-----Bottom Chords-----						

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.65
B LOCK 4.0x 6.0 Ctr-0.5 0.84
C LOCK 4.0x 4.0 Ctr Ctr 0.63
D LOCK 2.0x 4.0 Ctr Ctr 0.65
F LOCK 1.0x 3.0 Ctr Ctr 0.75
E LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

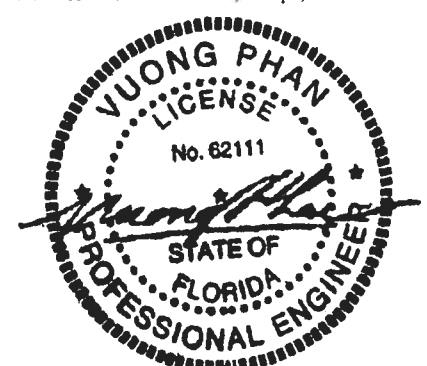
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

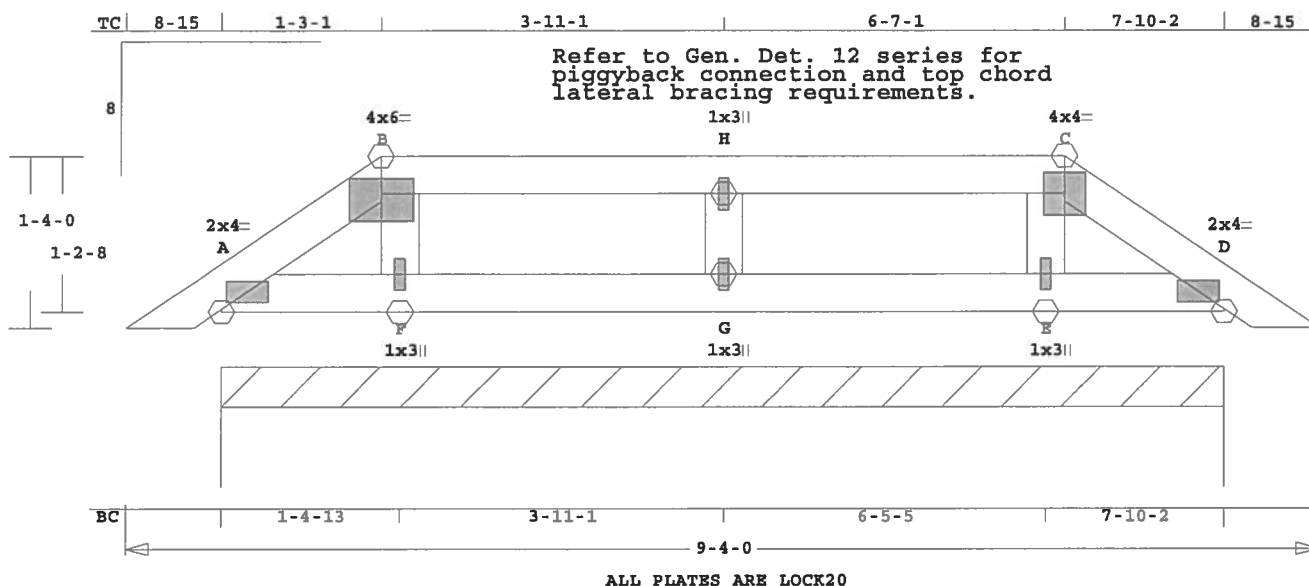
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 208 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	P8	1	HIPP	90400	8	8-15	8-15	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Scale: 0.666" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 37.5 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI -Size- ----Lumber-----
TC 0.07 2x 4 SP-#2
BC 0.03 2x 4 SP-#2
WB 0.01 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 4- 0
BC Cont.	0- 0- 0	9- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to	7-10- 2	
	723	117	Hz =	15

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

A -B	0.00	31 C		
B -H	0.07	28 C	0.00	0.07
H -C	0.07	28 C	0.00	0.07
C -D	0.00	31 C		

-----Bottom Chords-----
A -F 0.02 0 T 0.00 0.02

F -G	0.03	0 T	0.00	0.03
G -E	0.03	0 T	0.00	0.03
E -D	0.02	0 T	0.00	0.02
-----Webs-----				
F -B	0.00	89 C		
G -H	0.01	173 C		
E -C	0.00	89 C		

TL Defl 0.00" in G -E L/999
LL Defl 0.00" in F -G L/999
Shear // Grain in B -H 0.11

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate - LOCK 20 Ga, Gross Area			
Plate - RHS 20 Ga, Gross Area			
Jt Type	Plt Size	X	Y
A LOCK	2.0x 4.0	Ctr	Ctr
B LOCK	4.0x 6.0	Ctr	0.5
H LOCK	1.0x 3.0	Ctr	Ctr
C LOCK	4.0x 4.0	Ctr	Ctr
D LOCK	2.0x 4.0	Ctr	Ctr
F LOCK	1.0x 3.0	Ctr	Ctr
G LOCK	1.0x 3.0	Ctr	Ctr
E LOCK	1.0x 3.0	Ctr	Ctr

REVIEWED BY:

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior

TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf

Max comp. force 173 Lbs

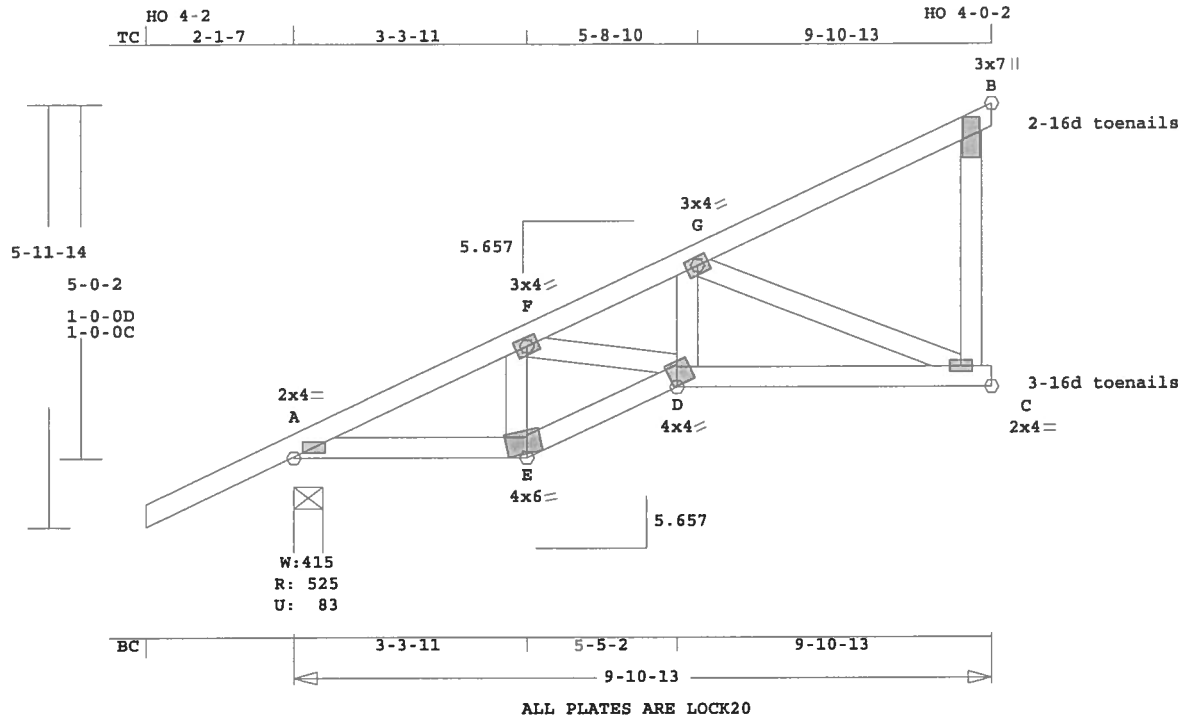
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HITSON-LOT5	VCJ1	1	SP	91013	5.657	2- 1- 7	0	T06040659

U# J#HITSON-LOT5 EMERALD COVE LOT 5



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 67.8 LBS

Online Plus -- Version 19.0.011
RUN DATE: 06-APR-06

CSI	Size	Lumber
TC	0.30	2x 4 SP-#2
BC	0.23	2x 4 SP-#2
WB	0.19	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9-10-13
BC Cont.	0- 0- 0	9-10-13

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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	

Load Case # 2 NonStandard Load	Lumber Duration Factor	Plate Duration Factor
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
plf - Live	Dead	From
TC V	0	0.0'
BC V	0	0.0'
TC V	0	0.0'
BC V	99	50
BC V	0	0.0'
BC V	0	50

Plus 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
A	526	83	4-15	1- 8
C	409	30	1- 8	1- 8
B	260	37	1- 8	1- 8

Membr CSI P Lbs Ax1-CSI-Bnd

Top Chords				
A -F	0.06	596	C	0.00
F -G	0.25	848	C	0.00
G -B	0.30	113	T	0.00

Bottom Chords				
A -E	0.11	537	T	0.08
E -D	0.13	587	T	0.10
D -C	0.23	773	T	0.12

Webs				
E -F	0.01	201	C	
F -D	0.04	259	T	
D -G	0.05	305	T	
G -C	0.19	836	C	
C -B	0.02	0	T	WindLd

TL Defl -0.03" in D -C L/999
LL Defl -0.01" in D -C L/999
Hz Disp LL DL TL
Jt C 0.01" 0.01" 0.01"
Shear // Grain in G -B 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.76
F LOCK 3.0x 4.0 Ctr Ctr 0.44
G LOCK 3.0x 4.0 Ctr Ctr 0.45
B LOCK 3.0x 7.0 Ctr-0.3 0.39
E LOCK 4.0x 6.0-0.6 2.6 0.38
D LOCK 4.0x 4.0 0.4-0.9 0.63
C LOCK 2.0x 4.0 Ctr Ctr 0.80

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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.

Max gap between edge of brg
and end vertical is 1/2".

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

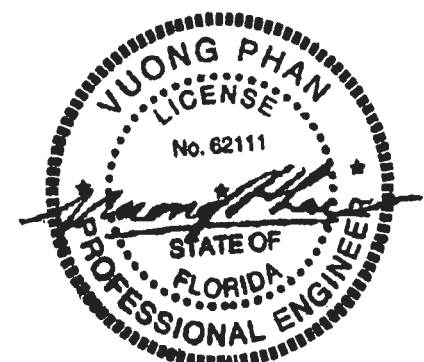
Max comp. force 848 Lbs

Quality Control Factor 1.25

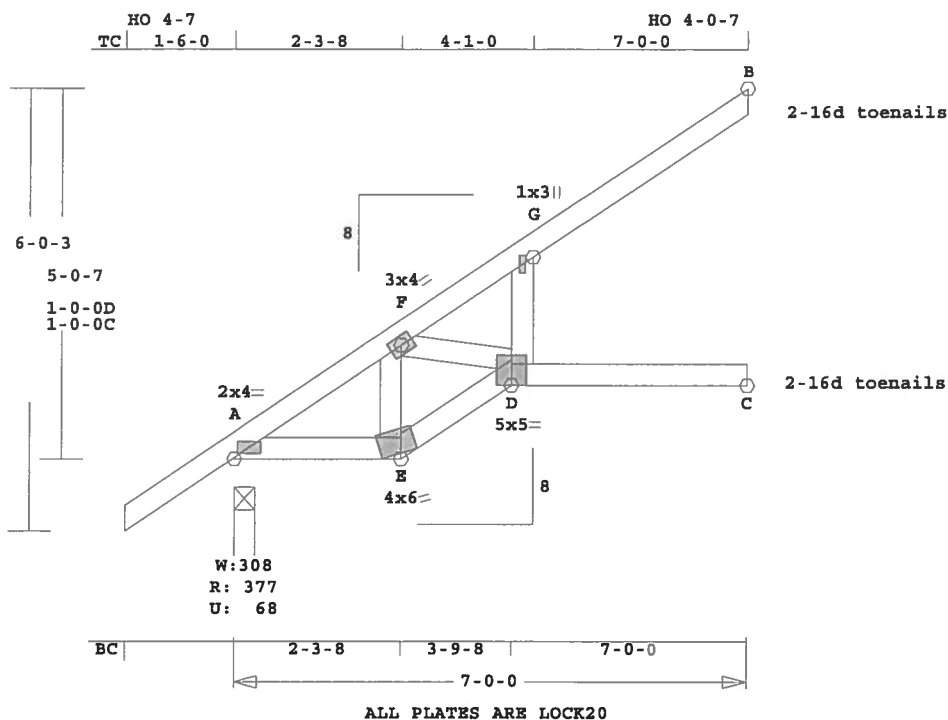
Truss Design Engineer: Vuong Phan

License #: 62111

Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	VJ1	3	SP	70000	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 41.8 LBS

Online Plus -- Version 19.0.011
 RUN DATE: 06-APR-06

Member	Size	Material	Weight (LBS)
TC	0.38	2x 4 SP-#2	0.38
BC	0.51	2x 4 SP-#2	0.51
WB	0.03	2x 4 SP-#2	0.03

CSI -Size- ---Lumber---

Member	Size	Material	Weight (LBS)
TC	0.38	2x 4 SP-#2	0.38
BC	0.51	2x 4 SP-#2	0.51
WB	0.03	2x 4 SP-#2	0.03

Brace truss as follows:

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

Member	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	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			

Plus 5 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
A	378	68	3- 8	1- 8
C	115	14	1- 8	1- 8
B	166	74	1- 8	1- 8

Membr	CSI	P	Lbs	Axl	CSI-Bnd
A -F	0.08	360	C	0.00	0.08
F -G	0.37	87	C	0.00	0.37
G -B	0.38	86	T	0.00	0.38
A -E	0.09	307	T	0.05	0.04
E -D	0.51	271	T	0.04	0.47

D -C 0.47 0 T 0.00 0.47
 E -F 0.00 44 T
 F -D 0.03 313 C
 D -G 0.02 133 T WindLd

TL Defl -0.14" in E -D L/562
 LL Defl -0.07" in E -D L/999
 Hz Disp LL DL TL
 Jt C 0.02" 0.02" 0.04"
 Shear // Grain in F -G 0.21

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 2.0x 4.0 Ctr Ctr 0.64
 F LOCK 3.0x 4.0 Ctr Ctr 0.45
 G LOCK 1.0x 3.0 Ctr Ctr 0.75
 E LOCK 4.0x 6.0-0.8 2.8 0.35
 D LOCK 5.0x 5.0 Ctr-1.0 0.46

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

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

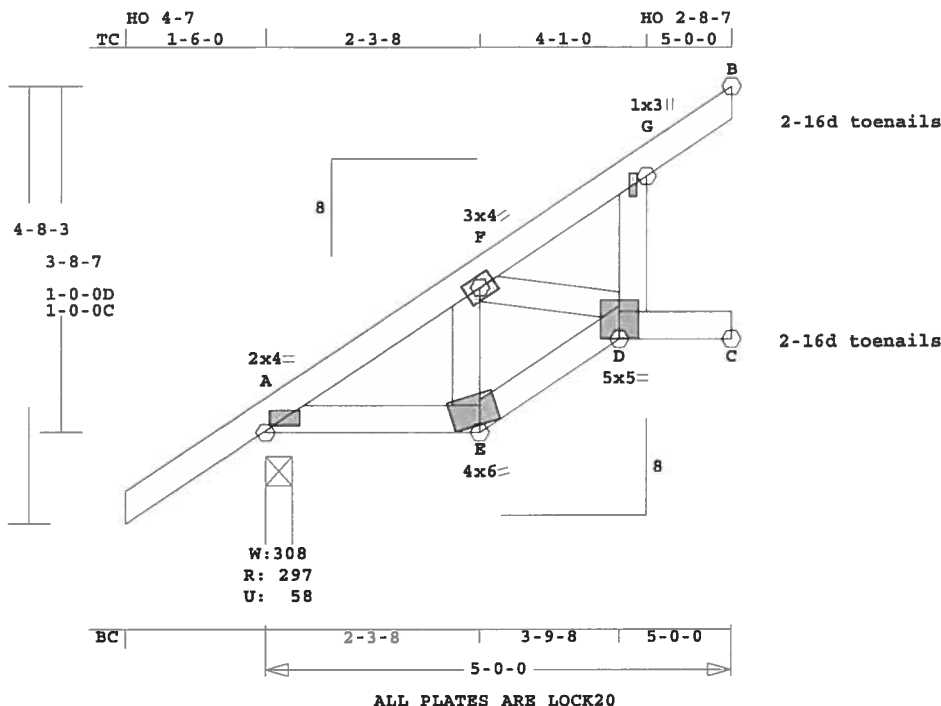
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.

Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 360 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	VJ2	2	SP	50000	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Scale: 0.484" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 33.5 LBS

Online Plus -- Version 19.0.011				D -C 0.14 0 T 0.00 0.14				Analysis Conforms To:	
RUN DATE: 06-APR-06				E -F 0.00 31 T				FBC2004	
CSI -Size- ---Lumber---				F -D 0.01 177 C				OH Loading	
TC	0.14	2x 4	SP-#2	D -G 0.01 86 T WindLd				Soffit psf 2.0	
BC	0.17	2x 4	SP-#2	TL Defl -0.02" in E -D L/999				Design checked for 10 psf non-	
WB	0.01	2x 4	SP-#2	LL Defl -0.01" in E -D L/999				concurrent LL on BC.	
Brace truss as follows:				Hz Disp LL DL TL				Wind Loads - ANSI / ASCE 7-02	
O.C.	From	To		Jt C 0.00" 0.00" 0.00"				Truss is designed as a Main	
TC Cont.	0- 0- 0	5- 0- 0		Shear // Grain in F -G 0.12				Wind-Force Resistance System.	
BC Cont.	0- 0- 0	5- 0- 0		Plates for each ply each face.				Wind Speed: 110 mph	
Loading Live Dead (psf)				REPORT: NER 691				Mean Roof Height: 15-0	
TC	20.0	10.0		ROBBINS ENGINEERING, INC.				Exposure Category: B	
BC	0.0	10.0		BASED ON SP LUMBER				Occupancy Factor : 1.00	
Total	20.0	20.0	40.0	USING GROSS AREA TEST.				Building Type: Enclosed	
Spacing			24.0"	Plate - LOCK 20 Ga, Gross Area				Zone location: Exterior	
Lumber Duration Factor	1.25			Plate - RHS 20 Ga, Gross Area				TC Dead Load : 5.0 psf	
Plate Duration Factor	1.25			Jt Type Plt Size X Y JSI				BC Dead Load : 5.0 psf	
TC Fb=1.15 Fc=1.10 Ft=1.10				A LOCK 2.0x 4.0 Ctr Ctr 0.60				Max comp. force 204 Lbs	
BC Fb=1.10 Fc=1.10 Ft=1.10				F LOCK 3.0x 4.0 Ctr Ctr 0.45				Quality Control Factor 1.25	
				G LOCK 1.0x 3.0 Ctr Ctr 0.75					
				E LOCK 4.0x 6.0-0.8 2.8 0.33					
				D LOCK 5.0x 5.0 Ctr-1.0 0.46					

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	298	58	3- 8	1- 8
			Hz =	101
C	78	19	1- 8	1- 8
B	118	45	1- 8	1- 8
			Hz =	69

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A -F	0.05	204	C	0.00	0.05	
F -G	0.14	53	T	0.00	0.14	
G -B	0.14	67	T	0.00	0.14	
-----Bottom Chords-----						
A -E	0.03	175	T	0.02	0.01	
E -D	0.17	178	T	0.03	0.14	

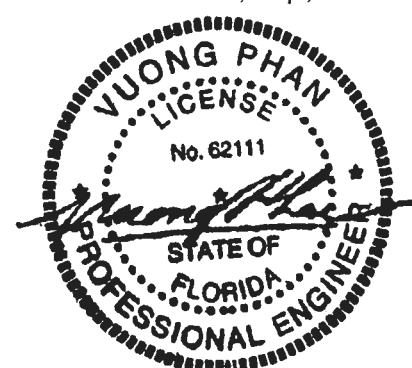
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

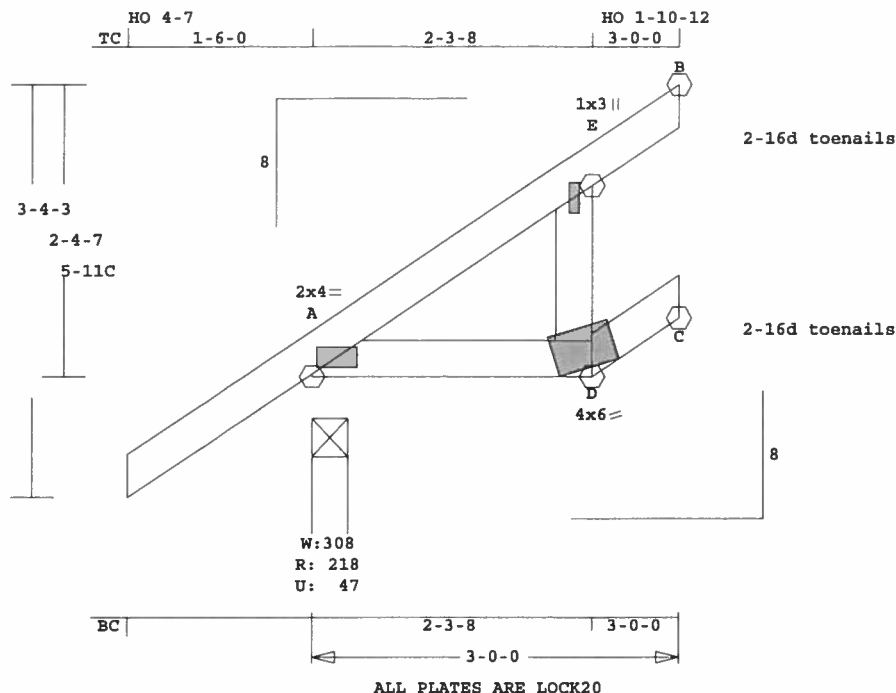
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
HITSON-LOT5	VJ3	2	SP	30000	8	1- 6- 0	0	T06040659
U# J#HITSON-LOT5 EMERALD COVE LOT 5								



Scale: 0.638" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 19.3 LBS

Online Plus -- Version 19.0.011				E -B 0.03 41 T 0.00 0.03				NOTES:			
RUN DATE: 06-APR-06				-----Bottom Chords-----				Trusses Manufactured by:			
				A -D 0.06 3 T 0.00 0.06				Mayo Truss Co. Inc.			
				D -C 0.06 30 T 0.00 0.06				Analysis Conforms To:			
				-----Webs-----				FBC2004			
CSI -Size- ----Lumber----				D -E 0.00 39 C WindLd				OH Loading			
TC	0.06	2x 4	SP-#2	TL Defl -0.01" in A -D L/999				Soffit psf 2.0			
BC	0.06	2x 4	SP-#2	LL Defl 0.00" in A -D L/999				Design checked for 10 psf non-			
WB	0.00	2x 4	SP-#2	Hz Disp LL DL TL				concurrent LL on BC.			
Brace truss as follows:				Jt C 0.00" 0.00" 0.00"				Wind Loads - ANSI / ASCE 7-02			
O.C.	From	To		Shear // Grain in A -E 0.06				Truss is designed as a Main			
TC Cont.	0- 0- 0	3- 0- 0		Plates for each ply each face.				Wind-Force Resistance System.			
BC Cont.	0- 0- 0	3- 0- 0		PLATING CONFORMS TO TPI.				Wind Speed: 110 mph			
Loading Live Dead (psf)				REPORT: NER 691				Mean Roof Height: 15-0			
TC	20.0	10.0		ROBBINS ENGINEERING, INC.				Exposure Category: B			
BC	0.0	10.0		BASED ON SP LUMBER				Occupancy Factor : 1.00			
Total	20.0	20.0	40.0	USING GROSS AREA TEST.				Building Type: Enclosed			
Spacing			24.0"	Plate - LOCK 20 Ga, Gross Area				Zone location: Exterior			
Lumber Duration Factor	1.25			Plate - RHS 20 Ga, Gross Area				TC Dead Load : 5.0 psf			
Plate Duration Factor	1.25			Jt Type Plt Size X Y JSI				BC Dead Load : 5.0 psf			
TC Fb=1.15 Fc=1.10 Ft=1.10				A LOCK 2.0x 4.0 Ctr Ctr 0.59				Max comp. force 39 Lbs			
BC Fb=1.10 Fc=1.10 Ft=1.10				E LOCK 1.0x 3.0 Ctr Ctr 0.75				Quality Control Factor 1.25			
				D LOCK 4.0x 6.0-0.8 2.8 0.33							

Plus 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	218	48	3- 8	1- 8
			Hz =	60
C	61	19	1- 8	1- 8
B	56	21	1- 8	1- 8
			Hz =	41

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -E	0.06		38 C	0.00	0.06

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
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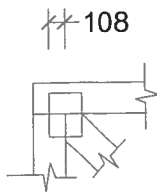
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



ROBBINS ENG. GENERAL NOTES & SYMBOLS

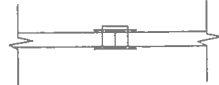
PLATE LOCATION



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

FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



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

LATERAL BRACING

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

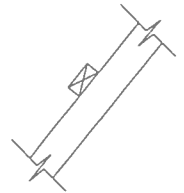


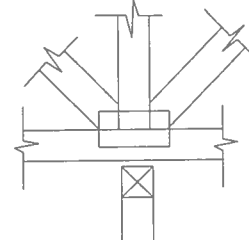
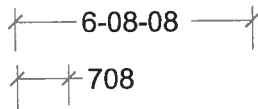
PLATE SIZE AND ORIENTATION



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

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2" 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 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.



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