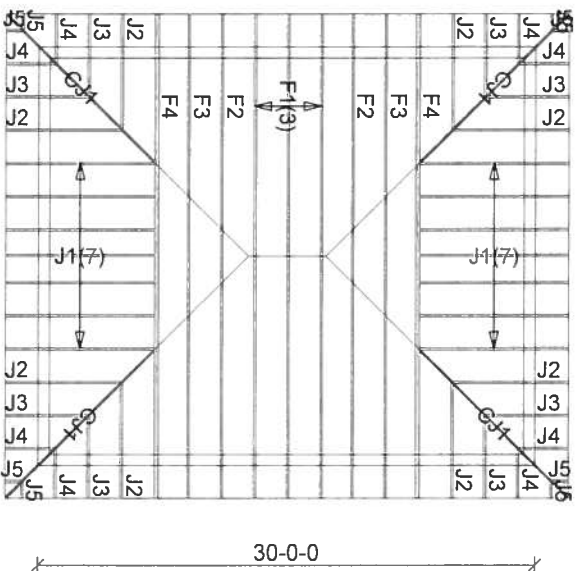
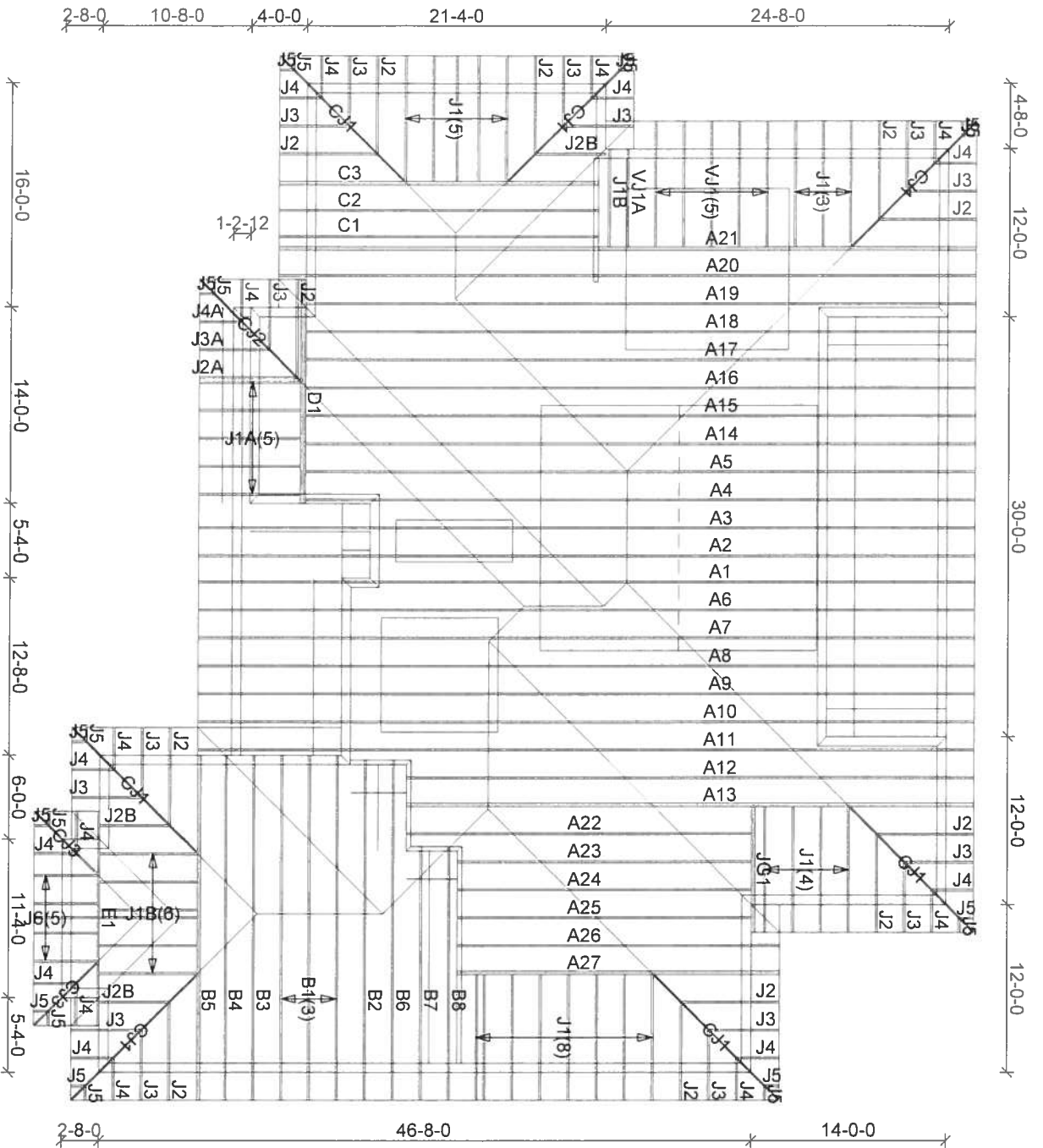




Mayo Truss Co. Inc.

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

BEACH RESIDENCE

COLUMBIA COUNTY

130 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" o.c.

Account: INDIVIDUAL
Job: BEACH
Designer: M.MURRAY
Checker: M.MURRAY
Date: 01-04-06

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: BEACH - BEACH RESIDENCE

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 - 130 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
T05122327	12/28/2005		2

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

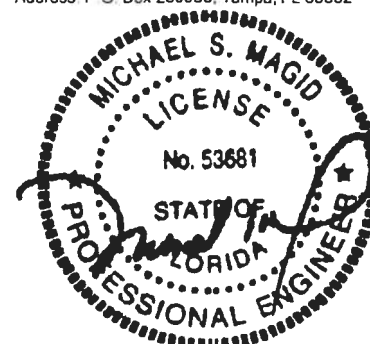
Date Mark

1	12/28/05	A1
---	----------	----

2	12/28/05	A4
---	----------	----



Truss Design Engineer: Michael S. Magid
 License # 53681
 Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 12/28/2005

U# J#BEACH BEACH RESIDENCE



Scale: 0.114" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 506.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 27-DEC-05

	CSI	-Size-	---Lumber---
TC	0.44	2x 4	SP-#2
BC	0.25	2x 6	SP-#2
CW	0.28	2x 4	SP-#2
WB	0.41	2x 4	SP-#2
WG	---	2x 8	SP-#2

Brace truss as follows:					
O.C.	From	To			
TC Cont.	0- 0- 0	55- 8- 0			
BC Cont.	0- 0- 0	55- 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
Z	428	228	8- 0	1- 0
			Hz =	-306
Cont.	Brg	11- 0	0 to	13- 0
	1837	494	Hz =	0
F	1893	537	8- 0	2- 2
E	295	86	8- 0	1- 0
			Hz =	310

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -KK	0.10	209	T	0.03	0.07
KK-LL	0.27	89	T	0.00	0.22
LL-MM	0.44	612	T	0.11	0.33
MM-NN	0.33	621	C	0.00	0.33
NN-B	0.13	903	C	0.00	0.13
B -C	0.24	1084	C	0.01	0.23
C -D	0.15	1164	C	0.00	0.15
D -QQ	0.17	971	C	0.00	0.17
QQ-RR	0.23	1050	C	0.00	0.23
RR-SS	0.23	543	C	0.00	0.23
SS-TT	0.34	604	T	0.11	0.23
TT-E	0.22	60	T	0.01	0.21
-----Bottom Chords-----					
A -Z	0.05	184	C	0.00	0.05
Z -JJ	0.05	289	T	0.00	0.05
JJ-CC	0.04	29	C	0.00	0.04
CC-J	0.04	29	C	0.00	0.04
I -II	0.07	557	C	0.00	0.07

II-HH	0.09	565	T	0.04	0.05
HH-FF	0.13	836	T	0.10	0.03
FF-H	0.15	860	T	0.10	0.05
H -G	0.18	1002	T	0.12	0.06
G -EE	0.16	516	T	0.06	0.10
EE-F	0.25	551	C	0.00	0.25
F -DD	0.23	235	T	0.00	0.23
DD-E	0.13	235	T	0.00	0.13
-----Chord-Webs-----					
J -I	0.16	1743	C	0.16	0.00
I -MM	0.28	1599	C	0.28	0.00
-----Webs-----					
Z -KK	0.02	305	C		
KK-JJ	0.03	201	T		
JJ-LL	0.01	118	T		
JJ-I	0.03	267	T		
LL-I	0.27	576	C		
MM-II	0.25	1361	T		
II-NN	0.24	702	C		
NN-HH	0.08	444	T		
HH-B	0.14	254	C		
B -FF	0.09	402	T		
FF-C	0.41	703	C		
FF-D	0.21	546	T		
D -H	0.06	153	T		
H -QQ	0.20	321	C		
G -QQ	0.01	134	T		
G -RR	0.11	605	T		
EE-RR	0.34	892	C		
EE-SS	0.22	1223	T		
F -SS	0.38	1424	C		
F -TT	0.23	596	C		
DD-TT	0.04	272	T		

LL Defl	-0.02"	in F	-DD	L/999
TL Defl	-0.04"	in F	-DD	L/999
Shear //	Grain	in	LL-MM	0.22
Hz Disp	LL		DL	TL
Jt F	0.02"		0.02"	0.04"

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 7.0	Ctr	0.2 0.78
KK LOCK	3.0x 7.0	Ctr	Ctr 0.45
LL LOCK	5.0x 7.0	0-0.2	0.5 0.86
MM LOCK	3.0x 7.0	Ctr	Ctr 0.70
NN LOCK	3.0x 7.0	Ctr	Ctr 0.54
B LOCK	6.0x 8.0	0.7-3.7	0.80
C LOCK	6.0x 6.0	Ctr	Ctr 0.88
D LOCK	6.0x 6.0	Ctr	0.5 0.79
QQ LOCK	3.0x 7.0	Ctr	Ctr 0.45
RR LOCK	3.0x 7.0	Ctr	Ctr 0.49
SS LOCK	5.0x 7.0	0.2 0.5	0.86
TT LOCK	3.0x 7.0	Ctr	Ctr 0.45

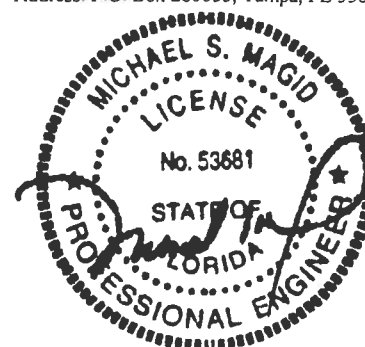
E	LOCK	5.0x	7.0	Ctr	0.2	0.78
E <td>LOCK</td> <td>3.0x</td> <td>9.0</td> <td>Ctr</td> <td>Ctr</td> <td>0.00</td>	LOCK	3.0x	9.0	Ctr	Ctr	0.00
Z <td>LOCK</td> <td>2.0x</td> <td>4.0</td> <td>Ctr</td> <td>Ctr</td> <td>0.57</td>	LOCK	2.0x	4.0	Ctr	Ctr	0.57
JJ	LOCK	4.0x	8.0	Ctr	Ctr	0.74
J	LOCK	3.0x	4.0	Ctr	Ctr	0.91
I	LOCK	6.0x	10.0	Ctr	0.2	0.98
II	LOCK	4.0x	6.0	Ctr	Ctr	0.49
HH	LOCK	7.0x	8.0	Ctr	0.8	0.76
FF	LOCK	4.0x	8.0	Ctr	Ctr	0.57
H	LOCK	8.0x	8.0	0.5	4.5	0.71
G	LOCK	7.0x	8.0	Ctr	2.2	0.78
EE	LOCK	4.0x	6.0	Ctr	Ctr	0.50
F	LOCK	8.0x	8.0	1.1	4.5	0.87
DD	LOCK	2.0x	4.0	Ctr	Ctr	0.57

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
Provide connection to bearing
for 309 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.

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

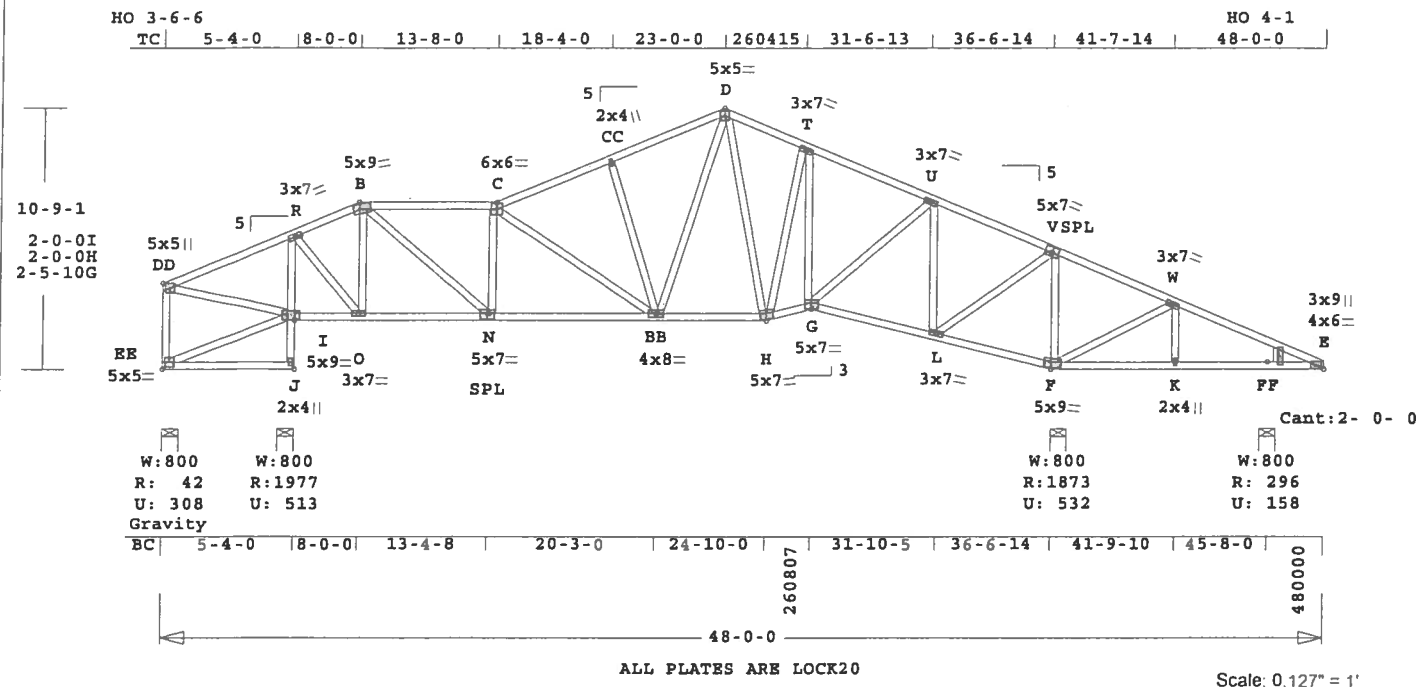


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A1	1	SP	550800	5	0	0	T05122327
U# J#BEACH BEACH RESIDENCE								

Wind Speed: 130 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 1743 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BEACH	A4	1	SP	480000	5	0	0	T05122327

U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 406.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 27-DEC-05

CSI	Size	Lumber
TC	0.43 2x 4	SP-#2
BC	0.57 2x 4	SP-#2
CW	0.31 2x 4	SP-#2
WB	0.40 2x 4	SP-#2
WG	--- 2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 48- 0- 0	
BC Cont.	0- 0- 0 48- 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	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
EE	43	308G	8- 0	1- 0
				Hx = -367
J	1978	514	8- 0	2- 4
F	1873	532	8- 0	2- 2
FF	297	159	8- 0	1- 0
				Hx = 268

G = Gravity Uplift

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
DD-R	0.43	788 T	0.14	0.29
R-B	0.29	199 C	0.00	0.29
B-C	0.20	1135 C	0.01	0.19
C-CC	0.22	1147 C	0.00	0.22
CC-D	0.22	1067 C	0.00	0.22
D-T	0.18	935 C	0.00	0.18
T-U	0.23	1013 C	0.00	0.23
U-V	0.23	504 C	0.00	0.23
V-W	0.32	578 T	0.10	0.22
W-E	0.21	56 T	0.01	0.20
-----Bottom Chords-----				
EE-J	0.20	19 C	0.00	0.20
I-O	0.09	715 C	0.00	0.09
O-N	0.22	242 T	0.01	0.21
N-BB	0.33	1149 T	0.12	0.21
BB-H	0.28	831 T	0.08	0.20
H-G	0.29	969 T	0.16	0.13

G-L	0.24	480 T	0.08	0.16
L-F	0.57	530 C	0.00	0.57
F-K	0.48	257 T	0.00	0.48
K-E	0.22	257 T	0.00	0.22
-----Chord-Webs-----				
J-I	0.17	1927 C	0.17	0.00
I-R	0.31	1701 C	0.31	0.00
-----Webs-----				
EE-DD	0.06	353 T	WindLd	
EE-I	0.04	336 T		
DD-I	0.24	739 C		
R-O	0.24	1330 T		
O-B	0.24	930 C		
B-N	0.22	1244 T		
N-C	0.17	669 C		
C-BB	0.08	107 C		
CC-BB	0.16	281 C		
BB-D	0.16	474 T		
D-H	0.07	164 T		
H-T	0.21	322 C		
G-T	0.02	144 T		
G-U	0.11	607 T		
L-U	0.36	894 C		
L-V	0.21	1178 T		
F-V	0.40	1397 C		
F-W	0.22	571 C		
K-W	0.04	267 T		

LL Defl -0.06" in F-K L/999
TL Defl -0.07" in EE-J L/713
Shear // Grain in DD-R 0.22
Hz Disp LL DL TL
Jt F 0.03" 0.03" 0.06"

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

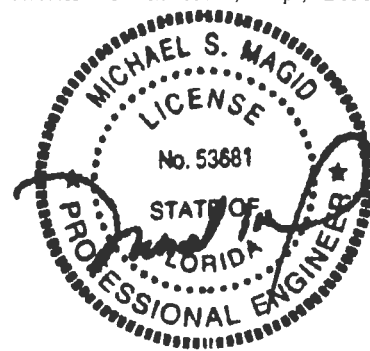
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
DD LOCK 5.0x 5.0 Ctr Ctr 0.78
R LOCK 3.0x 7.0 Ctr Ctr 0.80
B LOCK 5.0x 9.0 1.2-3.3 0.79
C LOCK 6.0x 6.0 Ctr Ctr 0.88
CC LOCK 2.0x 4.0 Ctr Ctr 0.53
D LOCK 5.0x 5.0 Ctr Ctr 0.87
T LOCK 3.0x 7.0 Ctr Ctr 0.43
U LOCK 3.0x 7.0 Ctr Ctr 0.46
V LOCK 5.0x 7.0 0.2 0.5 0.86
W LOCK 3.0x 7.0 Ctr Ctr 0.43
E LOCK 4.0x 6.0 Ctr 0.1 0.85
E LOCK 3.0x 9.0 Ctr Ctr 0.00
EE LOCK 5.0x 5.0 Ctr Ctr 0.78
J LOCK 2.0x 4.0 Ctr Ctr 0.76
I LOCK 5.0x 9.0 Ctr 0.8 0.84
O LOCK 3.0x 7.0 Ctr Ctr 0.58
N LOCK 5.0x 7.0 Ctr-0.5 0.88

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
Provide connection to bearing
for 368 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: 130 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

Truss Design Engineer: Michael S. Magid
License #: 53681
Address: P.O. Box 280055, Tampa, FL 33682

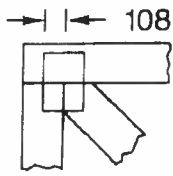


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A4	1	SP	480000	5	0	0	T05122327
U# J#BEACH BEACH RESIDENCE								

BC Dead Load : 5.0 psf
 Max comp. force 1927 Lbs
 Quality Control Factor 1.25

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).

PLATE SIZE

6 x 8

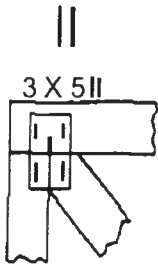
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.



LATERAL BRACING

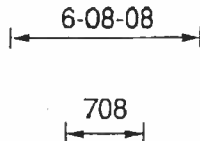
Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

PLATE ORIENTATION



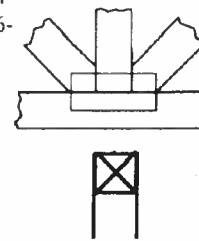
Shown next to plate size, indicates direction of slots in connector plate.

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).

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" bearings at each end, unless indicated otherwise. Cutting and fabrication shall be performed on equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and these 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. These designs were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (TPI), and HUD Design Criteria for Trussed Rafters.

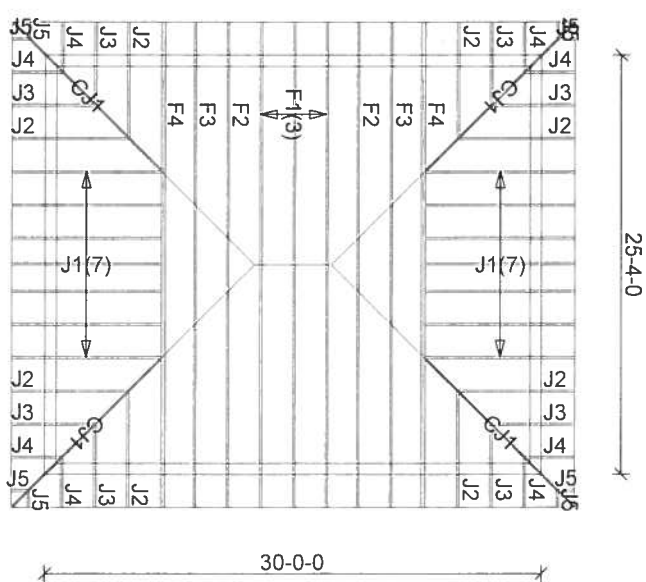
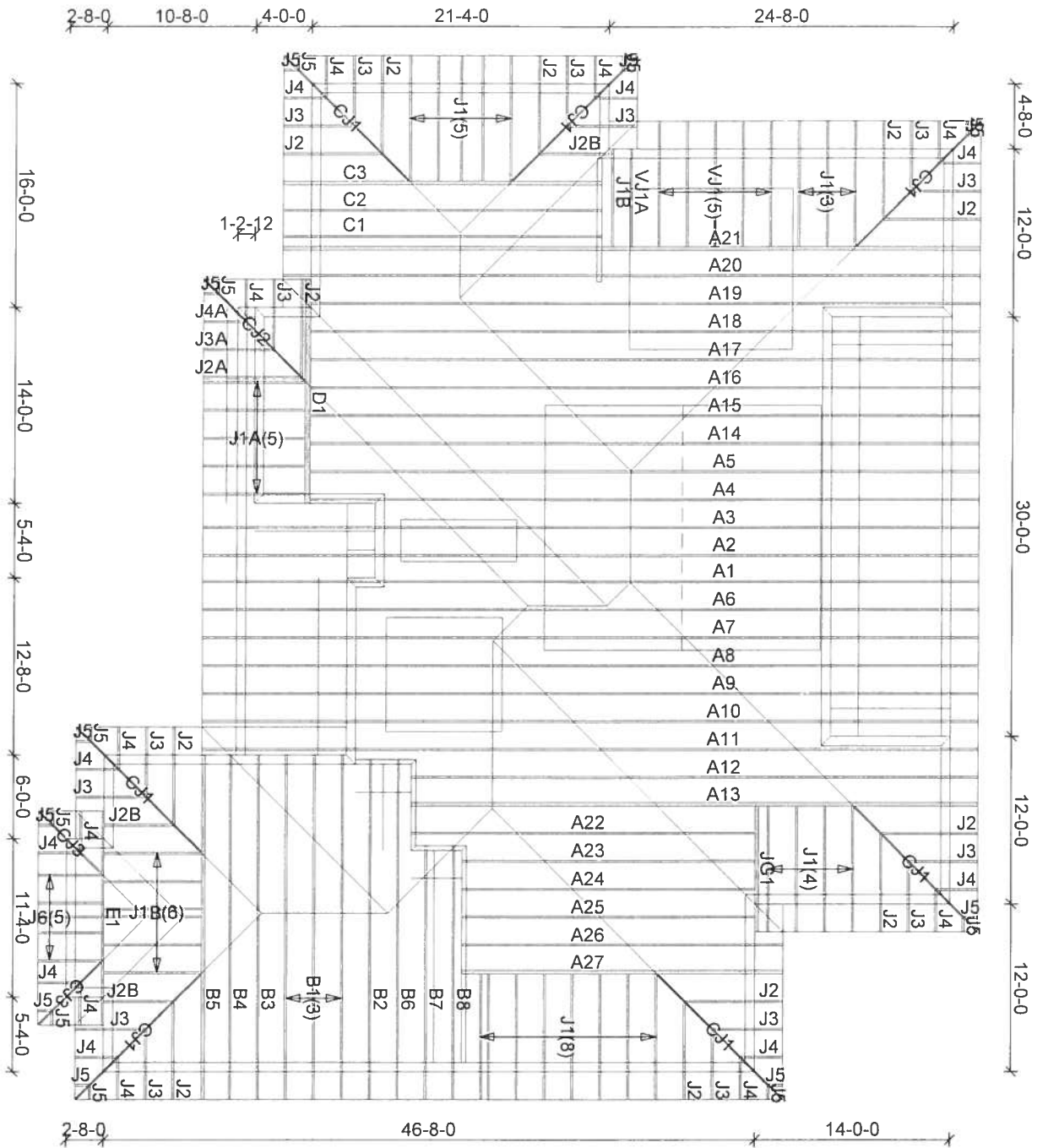
Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by the Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice 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 the 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 THESE DESIGNS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE TRUSS DESIGN DRAWINGS & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS PLACEMENT DIAGRAM.



Corporate Headquarters

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



Mayo Truss Co. Inc.

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

BEACH RESIDENCE

COLUMBIA COUNTY

130 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: INDIVIDUAL
Job: BEACH
Designer: M.MURRAY
Checker: M.MURRAY
Date: 12-23-05

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: BEACH - BEACH RESIDENCE

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

ANSI/ASCE 7-02
 Wind Speed - 130 mph
 Mean Roof Ht. - 15 ft.
 Exposure Category - B
 Occupancy Factor - 1.00
 MWFRS
 Enclosed

**ROBBINS
ENGINEERING, INC.**

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

Engineering Index Sheet

Index Page 1 of 1

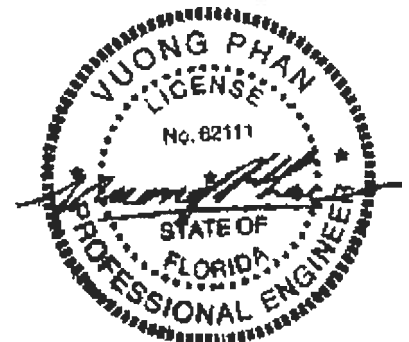
Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T05121429	12/15/2005		62

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	12/15/05	A1	2	12/15/05	A2	3	12/15/05	A3	4	12/15/05	A4
5	12/15/05	A5	6	12/15/05	A6	7	12/15/05	A7	8	12/15/05	A8
9	12/15/05	A9	10	12/15/05	A10	11	12/15/05	A11	12	12/15/05	A12
13	12/15/05	A13	14	12/15/05	A14	15	12/15/05	A15	16	12/15/05	A16
17	12/15/05	A17	18	12/15/05	A18	19	12/15/05	A19	20	12/15/05	A20
21	12/15/05	A21	22	12/15/05	A22	23	12/15/05	A23	24	12/15/05	A24
25	12/15/05	A25	26	12/15/05	A26	27	12/15/05	A27	28	12/15/05	B1
29	12/15/05	B2	30	12/15/05	B3	31	12/15/05	B4	32	12/15/05	B5
33	12/15/05	B6	34	12/15/05	B7	35	12/15/05	B8	36	12/15/05	C1
37	12/15/05	C2	38	12/15/05	C3	39	12/15/05	CJ1	40	12/15/05	CJ2
41	12/15/05	CJ3	42	12/15/05	D1	43	12/15/05	E1	44	12/15/05	F1
45	12/15/05	F2	46	12/15/05	F3	47	12/15/05	F4	48	12/15/05	J1
49	12/15/05	J1A	50	12/15/05	J1B	51	12/15/05	J2	52	12/15/05	J2A
53	12/15/05	J2B	54	12/15/05	J3	55	12/15/05	J3A	56	12/15/05	J4
57	12/15/05	J4A	58	12/15/05	J5	59	12/15/05	J6	60	12/15/05	JG1
61	12/15/05	VJ1	62	12/15/05	VJ1A						

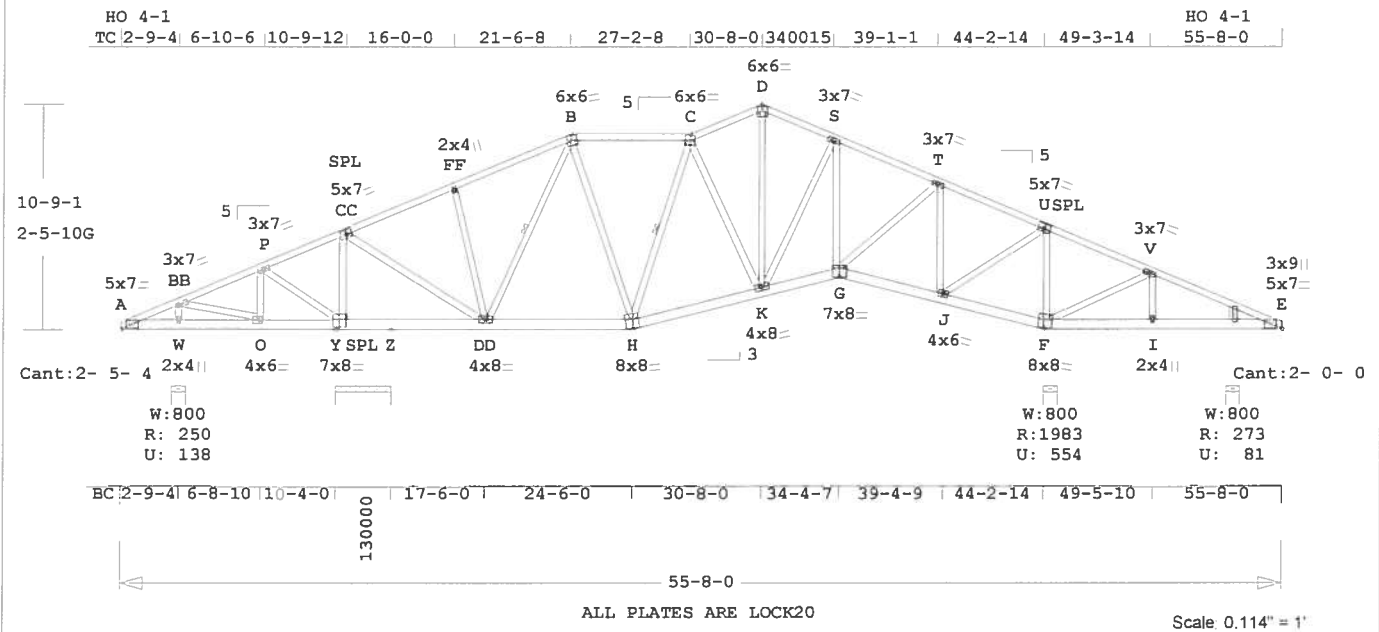
Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed 12/15/2005

Job BEACH	Mark A1	Quan 1	Type SP	Span 550800	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 498.5 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

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

TC	0.34	2x 4	SP-#2
BC	0.26	2x 6	SP-#2
WB	0.40	2x 4	SP-#2
WG	---	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	55- 8- 0
BC Cont.	0- 0- 0	55- 8- 0
WB 1 rows	CLB on DD-B	
WB 1 rows	CLB on H -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	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
W	250	138	8- 0 1- 0
Cont. Brg	10- 4- 0	to 13- 0- 0	
F	1946	570	H= 310
F	1983	555	8- 0 2- 4
E	273	81	8- 0 1- 0

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -BB	0.15	218 T	0.04	0.11
BB-P	0.19	282 T	0.05	0.14
P -CC	0.30	608 T	0.10	0.20
CC-FF	0.30	744 C	0.00	0.30
FF-B	0.30	669 C	0.00	0.30
B -C	0.24	885 C	0.00	0.24
C -D	0.09	986 C	0.00	0.09
D -S	0.15	990 C	0.00	0.15
S -T	0.24	1129 C	0.00	0.24
T -U	0.24	568 C	0.00	0.24
U -V	0.34	655 T	0.11	0.23
V -E	0.22	71 T	0.01	0.21
-----Bottom Chords-----				
A -W	0.03	187 C	0.00	0.03
W -O	0.04	187 C	0.00	0.04
O -Y	0.04	259 C	0.00	0.04
Y -Z	0.12	0 T	0.00	0.12

Z -DD	0.12	557 C	0.00	0.12
DD-H	0.19	780 T	0.09	0.10
H -K	0.17	1049 T	0.12	0.05
K -G	0.19	1074 T	0.13	0.06
G -J	0.16	540 T	0.06	0.10
J -F	0.26	598 C	0.00	0.26
F -I	0.24	52 T	0.00	0.24
I -E	0.14	52 T	0.00	0.14
-----Webs-----				
W -BB	0.01	158 C		
BB-O	0.01	94 C		
O -P	0.02	182 T		
P -Y	0.10	364 C		
Y -CC	0.38	1588 C		
CC-DD	0.32	1477 T		
FF-DD	0.18	329 C		
DD-B	0.12	411 C	1 Br	
B -H	0.05	316 T		
H -C	0.12	435 C	1 Br	
C -K	0.20	254 C		
K -D	0.22	564 T		
K -S	0.23	297 C		
G -S	0.01	123 T		
G -T	0.12	669 T		
J -T	0.36	957 C		
J -U	0.24	1305 T		
F -U	0.40	1497 C		
F -V	0.23	615 C		
I -V	0.04	280 T		

LL Defl -0.02" in F -I L/999
TL Defl -0.04" in F -I L/999
LL Cant 0.00" in A -W L/999
Shear // Grain in B -C 0.23
Hz Disp LL DL TL
Jt F 0.02" 0.02" 0.05"

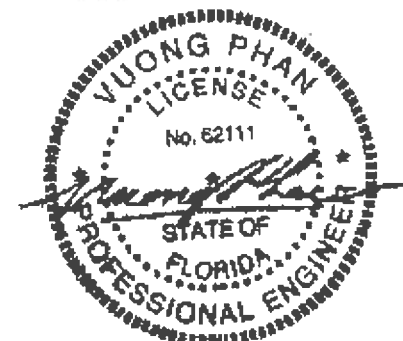
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 5.0x 7.0 Ctr Ctr 0.78
BB LOCK 3.0x 7.0 Ctr Ctr 0.45
P LOCK 3.0x 7.0 Ctr Ctr 0.47
CC LOCK 5.0x 7.0-0.2 0.5 0.86
FF LOCK 2.0x 4.0 Ctr Ctr 0.57
B LOCK 6.0x 6.0 0.7-3.5 0.77
C LOCK 6.0x 6.0 Ctr Ctr 0.88
D LOCK 6.0x 6.0 Ctr Ctr 0.75
S LOCK 3.0x 7.0 Ctr Ctr 0.60
T LOCK 3.0x 7.0 Ctr Ctr 0.49
U LOCK 5.0x 7.0 0.2 0.5 0.86
V LOCK 3.0x 7.0 Ctr Ctr 0.45
E LOCK 5.0x 7.0 Ctr Ctr 0.78
E LOCK 3.0x 9.0 Ctr Ctr 0.00
W LOCK 2.0x 4.0 Ctr Ctr 0.57

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
Provide connection to bearing
for 309 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: 130 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	Pl-Hl	Left OH	Right OH	Engineering
BEACH	A1	1	SP	550800	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 1588 Lbs
 Quality Control Factor 1.25

U# J#BEACH BEACH RESIDENCE



Scale: 0.114" = 1'

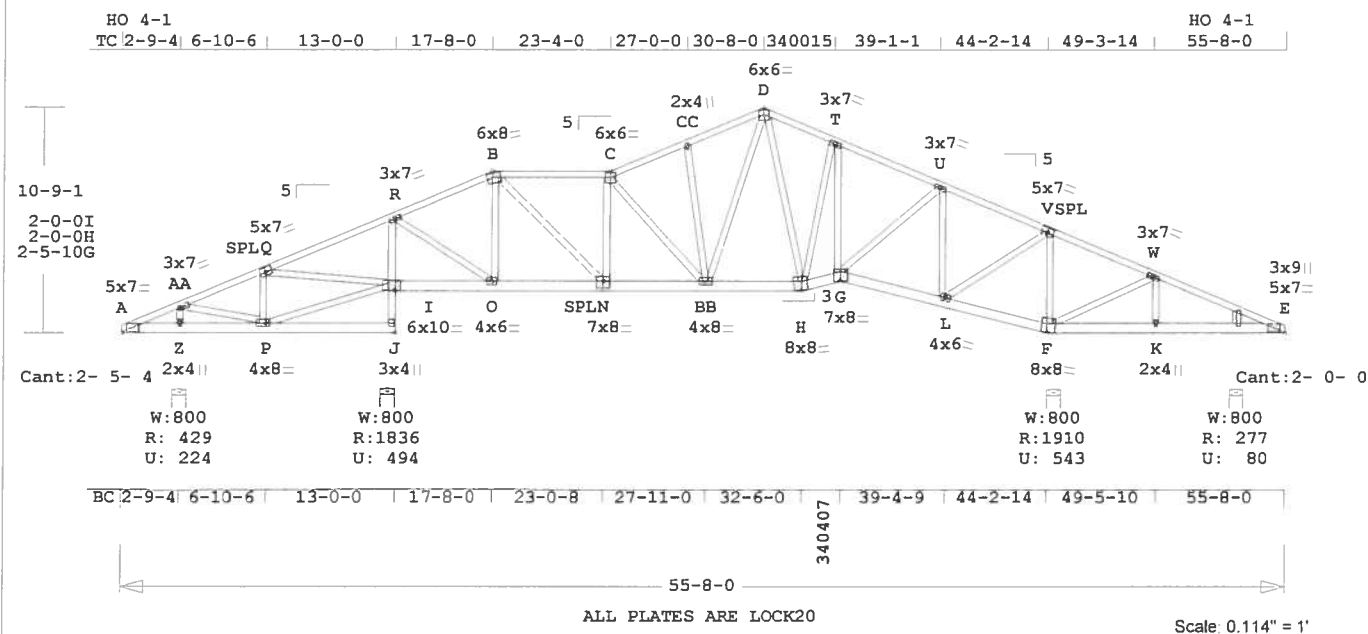
A circular professional engineer seal for Vuong Phan, License No. 62111, State of Florida. The seal features the text "VUONG PHAN", "LICENSE", "No. 62111", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER" around the perimeter. A signature is written across the center of the seal.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A2	1	SP	550800	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 1715 Lbs
 Quality Control Factor 1.25

Job BEACH	Mark A3	Quan 1	Type SP	Span 550800	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 501.8 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---

TC	0.47	2x 4	SP-#2
BC	0.25	2x 6	SP-#2
CW	0.28	2x 4	SP-#2
WB	0.38	2x 4	SP-#2
WG	---	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	55- 8- 0
BC Cont.	0- 0- 0	55- 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	
Z	429	225	8- 0	1- 0
			Hz =	-306
J	1836	495	8- 0	2- 1
F	1910	543	8- 0	2- 2
E	278	81	8- 0	1- 0
			Hz =	310

Membr	CSI	P Lbs	Ax1-CSI-Bnd
---Top Chords---			
A-AA	0.12	218 T	0.04 0.08
AA-Q	0.26	81 T	0.00 0.26
Q-R	0.47	666 T	0.12 0.35
R-B	0.35	610 C	0.00 0.35
B-C	0.21	1189 C	0.01 0.20
C-CC	0.11	1119 C	0.01 0.10
CC-D	0.13	1089 C	0.00 0.13
D-T	0.17	947 C	0.00 0.17
T-U	0.23	1022 C	0.00 0.23
U-V	0.23	511 C	0.00 0.23
V-W	0.34	642 T	0.11 0.23
W-E	0.22	71 T	0.01 0.21
---Bottom Chords---			
A-Z	0.04	191 C	0.00 0.04
Z-P	0.08	285 T	0.00 0.08
P-J	0.10	28 C	0.00 0.10
I-O	0.07	607 C	0.00 0.07
O-N	0.11	563 T	0.04 0.07
N-BB	0.17	1199 T	0.14 0.03

BB-H	0.13	841 T	0.10 0.03
H-G	0.17	976 T	0.11 0.06
G-L	0.15	485 T	0.05 0.10
L-F	0.25	586 C	0.00 0.25
F-K	0.23	231 T	0.00 0.23
K-E	0.13	231 T	0.00 0.13
---Chord-Webs---			
J-I	0.16	1781 C	0.16 0.00
I-R	0.28	1627 C	0.28 0.00
---Webs---			
Z-AA	0.03	326 C	
AA-P	0.04	228 T	
P-Q	0.02	173 T	
Q-I	0.04	278 T	
Q-I	0.30	645 C	
R-O	0.25	1391 T	
O-B	0.23	672 C	
B-N	0.16	875 T	
N-C	0.17	515 C	
C-BB	0.14	239 C	
CC-BB	0.12	213 C	
BB-D	0.18	513 T	
D-H	0.06	151 T	
H-T	0.19	310 C	
G-T	0.01	131 T	
G-U	0.11	609 T	
L-U	0.34	896 C	
L-V	0.22	1229 T	
F-V	0.38	1429 C	
F-W	0.23	606 C	
K-W	0.04	277 T	

LL Defl -0.02" in F-K L/999
TL Defl -0.04" in F-K L/999
Shear // Grain in Q-R 0.23
Hz Disp LL DL TL
Jt F 0.02" 0.02" 0.04"

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

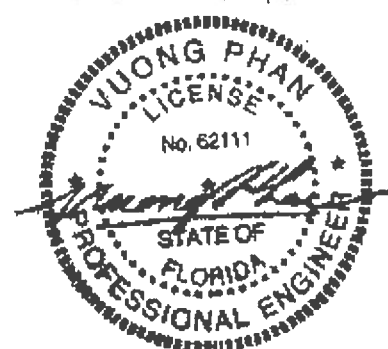
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 5.0x 7.0 Ctr-0.2 0.78
AA LOCK 3.0x 7.0 Ctr Ctr 0.45
Q LOCK 5.0x 7.0-0.2 0.5 0.86
R LOCK 3.0x 7.0 Ctr Ctr 0.71
B LOCK 6.0x 8.0 0.7-3.7 0.81
C LOCK 6.0x 6.0 Ctr Ctr 0.88
CC LOCK 2.0x 4.0 Ctr Ctr 0.57
D LOCK 6.0x 6.0 Ctr-0.5 0.80
T LOCK 3.0x 7.0 Ctr Ctr 0.45
U LOCK 3.0x 7.0 Ctr Ctr 0.49
V LOCK 5.0x 7.0 0.2 0.5 0.86
W LOCK 3.0x 7.0 Ctr Ctr 0.45
E LOCK 5.0x 7.0 Ctr-0.2 0.78
E LOCK 3.0x 9.0 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
Provide connection to bearing
for 309 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: 130 mph
Mean Roof Height: 15-0

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
BEACH	A3	1	SP	550800	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

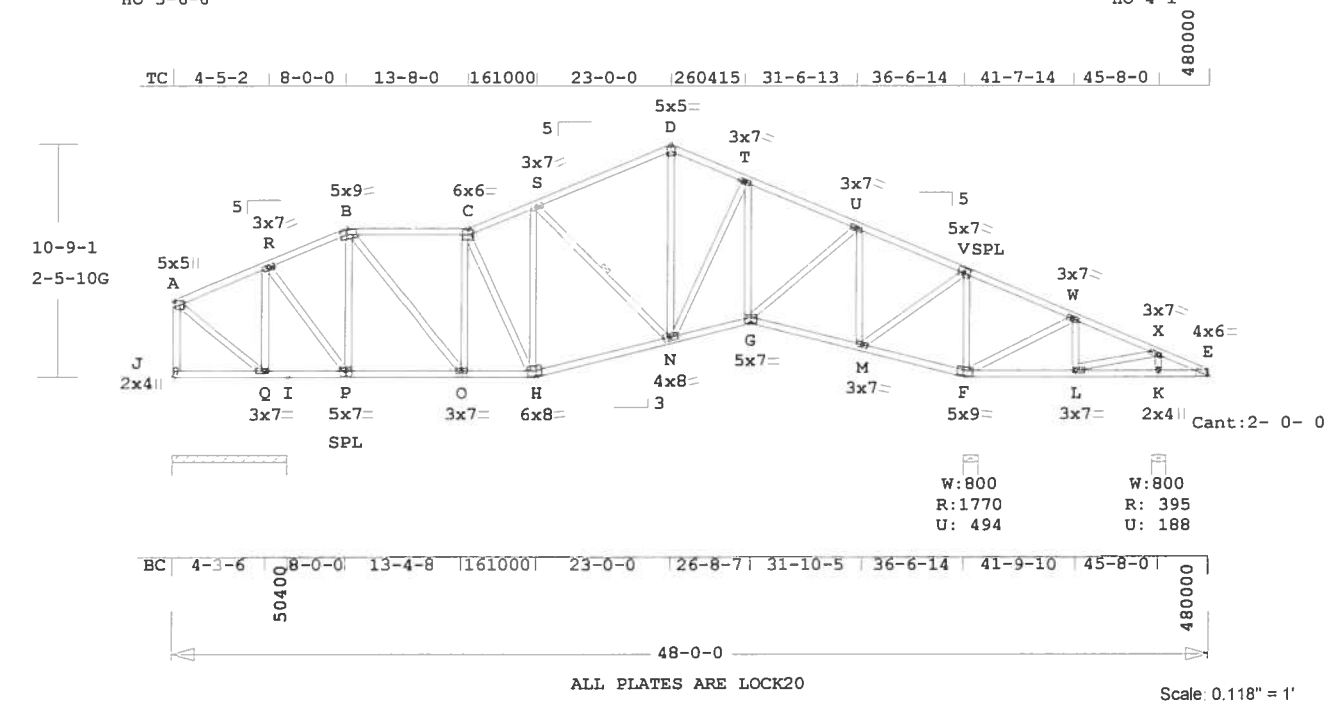
Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 1781 Lbs
 Quality Control Factor 1.25

Job BEACH	Mark A4	Quan 1	Type SP	Span 480000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE

HO 3-6-6

HO 4-1



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 415.4 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.33 2x 4 SP-#2
BC 0.55 2x 4 SP-#2
WB 0.53 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 48- 0- 0
BC Cont. 0- 0- 0 48- 0- 0
WB 1 rows CLB on S -N
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
Cont. Brq 0- 0- 0 to 5- 4- 0
1674 479 Hz = 368
F 1770 495 8- 0 2- 0
K 396 189 8- 0 1- 0

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -R 0.33 637 T 0.11 0.22
R -B 0.22 251 C 0.00 0.22
B -C 0.23 888 C 0.00 0.23
C -S 0.31 1007 C 0.00 0.31
S -D 0.32 969 C 0.01 0.31
D -T 0.17 962 C 0.00 0.17
T -U 0.26 1138 C 0.01 0.25
U -V 0.25 657 C 0.00 0.25
V -W 0.29 396 T 0.07 0.22
W -X 0.22 125 C 0.00 0.22
X -E 0.12 191 T 0.03 0.09
-----Bottom Chords-----
J -Q 0.09 0 T 0.00 0.09
Q -I 0.11 0 T 0.00 0.11
I -P 0.11 577 C 0.00 0.11
P -O 0.13 268 T 0.02 0.11
O -H 0.22 898 T 0.15 0.07
H -N 0.27 979 T 0.10 0.17

N -G 0.30 1078 T 0.18 0.12
G -M 0.26 626 T 0.10 0.16
M -F 0.55 358 C 0.00 0.55
F -L 0.48 93 T 0.01 0.47
L -K 0.24 162 C 0.00 0.24
K -E 0.03 162 C 0.00 0.03
-----Webs-----
J -A 0.11 597 T WindLd
A -Q 0.25 738 C
Q -R 0.53 1663 C
R -P 0.24 1306 T
P -B 0.52 969 C
B -O 0.25 1027 T
O -C 0.37 692 C
C -H 0.02 111 T
H -S 0.19 251 C
S -N 0.02 165 T
N -D 0.16 451 T
D -T 0.29 358 C
T -G 0.02 189 T
G -U 0.10 570 T
U -M 0.35 866 C
M -V 0.21 1148 T
V -F 0.39 1365 C
F -W 0.20 512 C
W -L 0.03 221 T
L -X 0.04 264 T
X -K 0.03 362 C

LL Defl -0.05" in F -L L/999
TL Defl -0.11" in F -L L/867
Shear // Grain in S -D 0.24
Hz Disp LL DL TL
Jt F 0.03" 0.03" 0.06"

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 0.78
R LOCK 3.0x 7.0 Ctr Ctr 0.82
B LOCK 5.0x 9.0 1.2-3.3 0.79
C LOCK 6.0x 6.0 Ctr Ctr 0.88
S LOCK 3.0x 7.0 Ctr Ctr 0.48
D LOCK 5.0x 5.0 Ctr Ctr 0.80
T LOCK 3.0x 7.0 Ctr Ctr 0.57
U LOCK 3.0x 7.0 Ctr Ctr 0.46
V LOCK 5.0x 7.0 0.2 0.5 0.86
W LOCK 3.0x 7.0 Ctr Ctr 0.43
X LOCK 3.0x 7.0 Ctr Ctr 0.43
E LOCK 4.0x 6.0 Ctr 0.1 0.85
J LOCK 2.0x 4.0 Ctr Ctr 0.65
Q LOCK 3.0x 7.0 Ctr Ctr 0.47
P LOCK 5.0x 7.0 Ctr-0.5 0.88

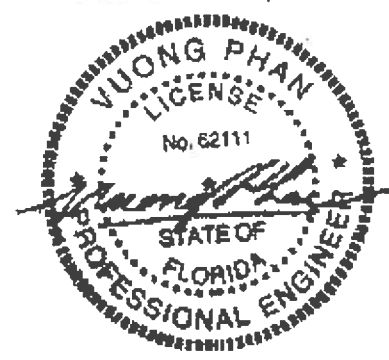
O LOCK 3.0x 7.0 Ctr Ctr 0.52
H LOCK 6.0x 8.0-0.9 3.5 0.80
N LOCK 4.0x 8.0 Ctr Ctr 0.54
G LOCK 5.0x 7.0 Ctr-1.1 0.75
M LOCK 3.0x 7.0 Ctr Ctr 0.47
F LOCK 5.0x 9.0 0.9 3.0 0.81
L LOCK 3.0x 7.0 Ctr Ctr 0.94
K LOCK 2.0x 4.0 Ctr Ctr 0.53

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
Provide connection to bearing
for 367 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: 130 mph
Mean Roof Height: 15-0
Exposure Category: B

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

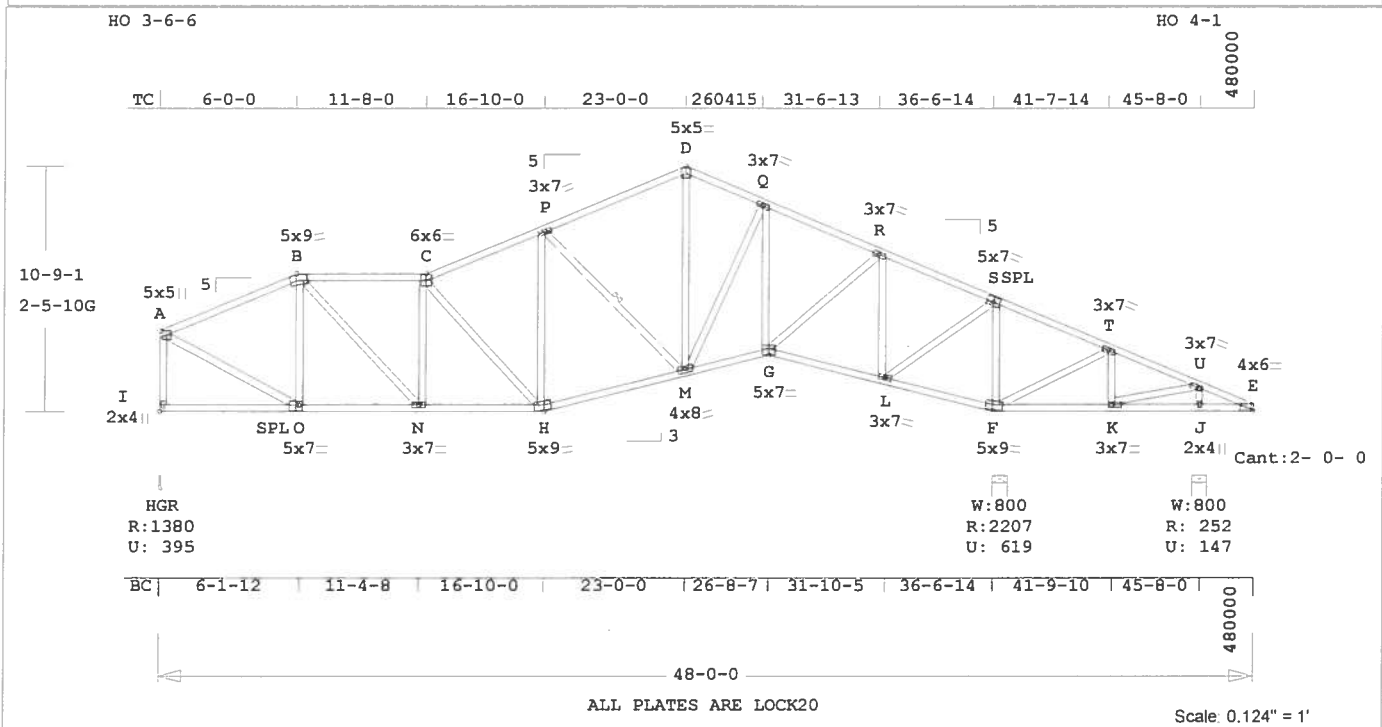


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A4	1	SP	480000	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

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 1663 Lbs
 Quality Control Factor 1.25

Job BEACH	Mark A5	Quan 1	Type SP	Span 480000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 394.5 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.44 2x 4 SP-#2
BC 0.68 2x 4 SP-#2
WB 0.49 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 48- 0- 0
BC Cont. 0- 0- 0 48- 0- 0
WB 1 rows CLB on P -M
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	1381	395	3- 8	1-10
			Hx =	-367
F	2207	620	8- 0	2- 8
J	252	147	8- 0	1- 0
			Hx =	268

Membr	CSI	P Lbs	Ax1	CSI-Bnd
-----Top Chords-----				
A -B	0.44	1300 C	0.02	0.42
B -C	0.26	1834 C	0.02	0.24
C -P	0.39	1636 C	0.01	0.38
P -D	0.39	1289 C	0.01	0.38
D -Q	0.17	1280 C	0.01	0.16
Q -R	0.26	1401 C	0.01	0.25
R -S	0.25	667 C	0.00	0.25
S -T	0.33	708 T	0.10	0.23
T -U	0.25	136 T	0.02	0.23
U -E	0.11	206 T	0.03	0.08
-----Bottom Chords-----				
I -O	0.22	308 T	0.00	0.22
O -N	0.34	1214 T	0.12	0.22
N -H	0.36	1843 T	0.30	0.06
H -M	0.35	1571 T	0.26	0.09
M -G	0.38	1332 T	0.22	0.16
G -L	0.28	636 T	0.10	0.18

L -F	0.68	651 C	0.00	0.68	
F -K	0.59	212 T	0.00	0.59	
K -J	0.29	249 T	0.00	0.29	
J -E	0.04	176 C	0.00	0.04	
-----Webs-----					
I -A	0.20	1329 C	WindLd		
A -O	0.25	1374 T			
O -B	0.21	526 C			
B -N	0.19	900 T			
N -C	0.23	560 C			
C -H	0.33	467 C			
H -P	0.03	211 T			
P -M	0.12	482 C	1 Br		
M -D	0.24	699 T			
M -Q	0.20	245 C			
G -Q	0.01	125 T			
G -R	0.16	873 T			
L -R	0.46	1158 C			
L -S	0.27	1502 T			
F -S	0.49	1690 C			
F -T	0.24	610 C			
K -T	0.04	279 T			
K -U	0.01	85 C			
J -U	0.02	233 C			

LL Defl -0.06" in F -K L/999
TL Defl -0.13" in F -K L/734
Shear // Grain in P -D 0.24
Hz Disp LL DL TL
Jt F 0.05" 0.05" 0.09"

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 0.78
B LOCK 5.0x 9.0 1.2-3.3 0.79
C LOCK 6.0x 6.0 Ctr Ctr 0.88
P LOCK 3.0x 7.0 Ctr Ctr 0.48
D LOCK 5.0x 5.0 Ctr Ctr 0.80
Q LOCK 3.0x 7.0 Ctr Ctr 0.57
R LOCK 3.0x 7.0 Ctr Ctr 0.46
S LOCK 5.0x 7.0 0.2 0.5 0.86
T LOCK 3.0x 7.0 Ctr Ctr 0.43
U LOCK 3.0x 7.0 Ctr Ctr 0.43
E LOCK 4.0x 6.0 Ctr 0.1 0.85
I LOCK 2.0x 4.0 Ctr Ctr 0.65
O LOCK 5.0x 7.0 Ctr 0.5 0.88
N LOCK 3.0x 7.0 Ctr Ctr 0.50
H LOCK 5.0x 9.0-0.9 3.0 0.78
M LOCK 4.0x 8.0 Ctr Ctr 0.54
G LOCK 5.0x 7.0 Ctr-1.1 0.75
L LOCK 3.0x 7.0 Ctr Ctr 0.61
F LOCK 5.0x 9.0 0.9 3.0 0.81

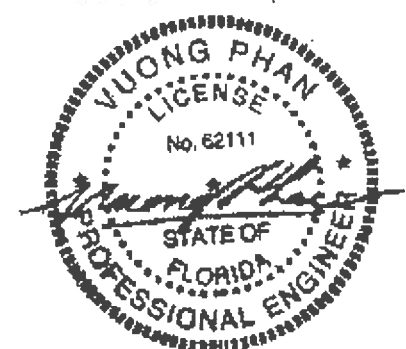
K LOCK 3.0x 7.0 Ctr Ctr 0.94
J LOCK 2.0x 4.0 Ctr Ctr 0.53

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
Provide connection to bearing
for 367 Lbs Horiz Reaction
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: 130 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

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

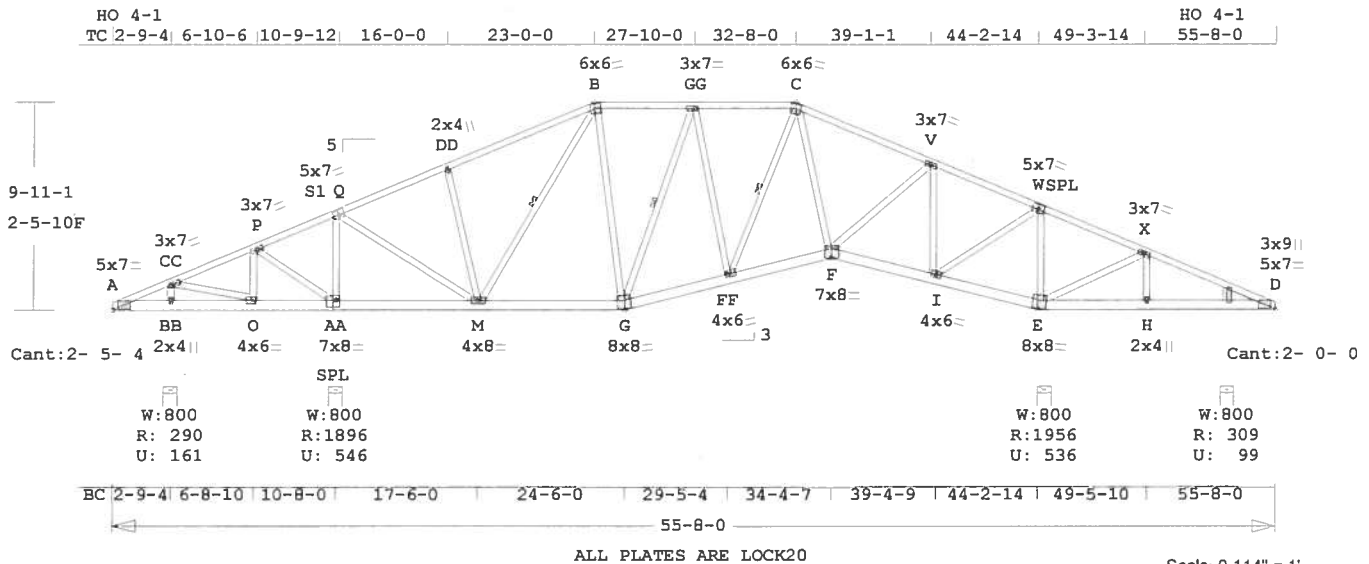


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A5	1	SP	480000	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

BC Dead Load : 5.0 psf
 Max comp. force 1834 Lbs
 Quality Control Factor 1.25

Job BEACH	Mark A6	Quan 1	Type SP	Span 550800	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online PlusTM APPROX. TRUSS WEIGHT: 489.3 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI	Size	Lumber
TC	0.44	2x 4 SP-#2
BC	0.26	2x 6 SP-#2
WB	0.40	2x 4 SP-#2
WG	---	2x 8 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 55- 8- 0
BC Cont. 0- 0- 0 55- 8- 0
WB 1 rows CLB on M -B
WB 1 rows CLB on G -GG
WB 1 rows CLB on FF-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
BB	291	161	8- 0	1- 0
			Hx =	-283
AA	1897	546	8- 0	2- 2
E	1956	537	8- 0	2- 3
D	310	100	8- 0	1- 0
			Hx =	286

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -CC	0.14	211	T	0.03 0.11
CC-P	0.18	227	T	0.04 0.14
P -S1	0.26	506	T	0.09 0.17
S1-DD	0.44	847	C	0.00 0.44
DD-B	0.44	765	C	0.00 0.44
B -GG	0.25	894	C	0.00 0.25
GG-C	0.21	1040	C	0.00 0.21
C -V	0.38	1178	C	0.01 0.37
V -W	0.37	651	C	0.00 0.37
W -X	0.30	577	T	0.10 0.20
X -D	0.22	62	T	0.00 0.22
-----Bottom Chords-----				
A -BB	0.04	181	C	0.00 0.04
BB-O	0.04	271	T	0.00 0.04
O -AA	0.11	207	C	0.00 0.11
AA-M	0.13	466	C	0.00 0.13

M	G	0.19	861	T	0.06	0.13
G -FF	0.16	1052	T	0.12	0.04	
FF-F	0.19	1085	T	0.13	0.06	
F -I	0.17	626	T	0.07	0.10	
I -E	0.26	526	C	0.00	0.26	
E -H	0.24	230	T	0.00	0.24	
H -D	0.13	230	T	0.00	0.13	
-----Webs-----						
BB-CC	0.02	187	C			
CC-O	0.01	87	C			
O -P	0.02	132	T			
P -AA	0.08	314	C			
AA-S1	0.38	1575	C			
S1-M	0.31	1490	T			
DD-M	0.22	388	C			
M -B	0.12	321	C			1 Br
B -G	0.05	264	T			
G -GG	0.12	378	C			1 Br
GG-FF	0.02	154	T			
FF-C	0.03	140	C			1 Br
C -F	0.02	182	T			
F -V	0.11	616	T			
I -V	0.37	973	C			
I -W	0.24	1320	T			
E -W	0.40	1490	C			
E -X	0.23	599	C			
H -X	0.04	271	T			

LL Defl -0.02" in E -H L/999
TL Defl -0.05" in E -H L/999
LL Cant 0.00" in A -BB L/999
Shear // Grain in DD-B 0.27
Hz Disp LL DL TL
Jt E 0.02" 0.02" 0.04"

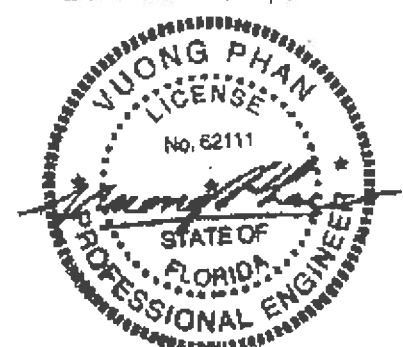
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 5.0x 7.0 Ctr-0.2 0.78
CC LOCK 3.0x 7.0 Ctr Ctr 0.45
P LOCK 3.0x 7.0 Ctr Ctr 0.47
S1 LOCK 5.0x 7.0-0.2 0.5 0.86
DD LOCK 2.0x 4.0 Ctr Ctr 0.57
B LOCK 6.0x 6.0 0.7-3.5 0.75
GG LOCK 3.0x 7.0 Ctr Ctr 0.58
C LOCK 6.0x 6.0-0.2-3.7 0.93
V LOCK 3.0x 7.0 Ctr Ctr 0.49
W LOCK 5.0x 7.0 0.2 0.5 0.86
X LOCK 3.0x 7.0 Ctr Ctr 0.45
D LOCK 5.0x 7.0 Ctr-0.2 0.78
D LOCK 3.0x 9.0 Ctr Ctr 0.00
BB LOCK 2.0x 4.0 Ctr Ctr 0.57
O LOCK 4.0x 6.0 Ctr Ctr 0.74
AA LOCK 7.0x 8.0 Ctr-0.8 0.76
M LOCK 4.0x 8.0 Ctr Ctr 0.68
G LOCK 8.0x 8.0-0.5 4.5 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.

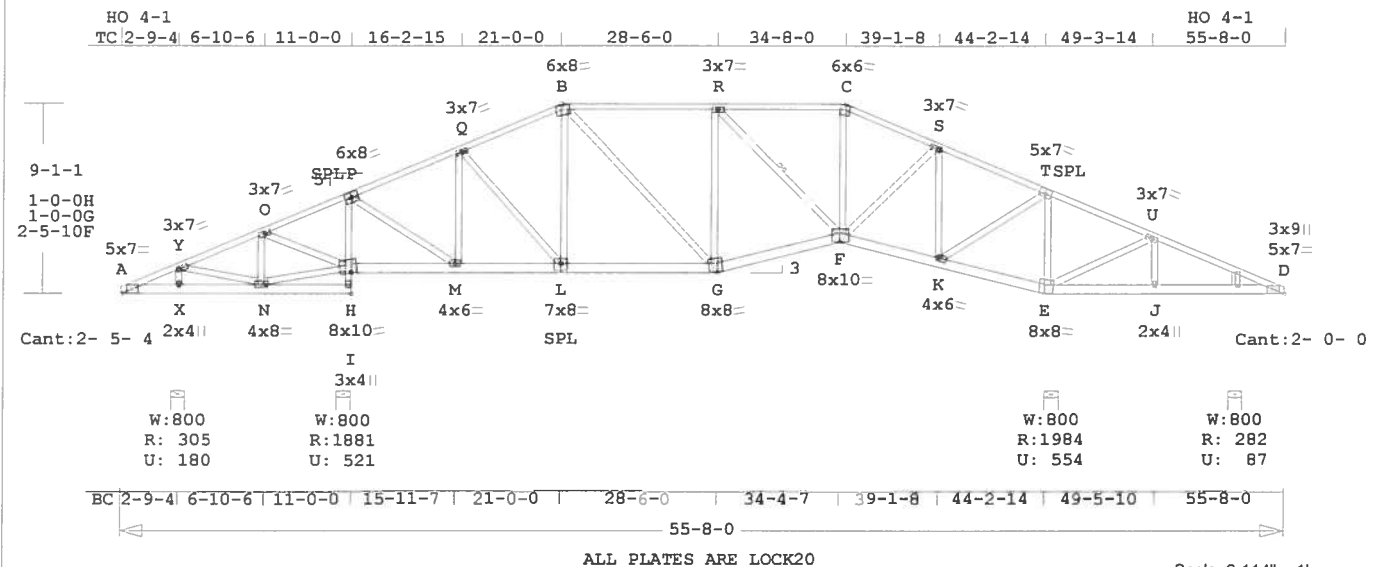
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1575 Lbs
Quality Control Factor 1.25

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



Job BEACH	Mark A7	Quan 1	Type SP	Span 550800	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



ALL PLATES ARE LOCK20

Scale: 0.114" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 476.4 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI	Size	Lumber
TC	0.51	2x 4 SP-#2
BC	0.26	2x 6 SP-#2
CW	0.30	2x 4 SP-#2
WB	0.40	2x 4 SP-#2
WG	---	2x 8 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 55- 8- 0
BC Cont. 0- 0- 0 55- 8- 0
WB 1 rows CLB on R -F
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
X	305	181	8- 0	1- 0
			Hx =	-257
I	1882	522	8- 0	2- 2
E	1984	554	8- 0	2- 4
D	282	87	8- 0	1- 0
			Hx =	261

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -Y	0.14	213	T	0.03 0.11
Y -O	0.18	198	T	0.04 0.14
O -P	0.34	640	T	0.11 0.23
P -Q	0.23	708	C	0.00 0.23
Q -B	0.22	1022	C	0.00 0.22
B -R	0.51	1150	C	0.00 0.51
R -C	0.51	1072	C	0.00 0.51
C -S	0.21	1164	C	0.01 0.20
S -T	0.25	608	C	0.00 0.25
T -U	0.36	634	T	0.11 0.25
U -D	0.22	71	T	0.01 0.21
-----Bottom Chords-----				
A -X	0.03	183	C	0.00 0.03
X -N	0.04	244	T	0.00 0.04
N -I	0.04	83	C	0.00 0.04
H -M	0.08	581	C	0.00 0.08
M -L	0.16	653	T	0.04 0.12

L	G	0.20	944	T	0.11	0.09
G	F	0.20 <td>1189</td> <td>T</td> <td>0.14</td> <td>0.06</td>	1189	T	0.14	0.06
F	K	0.15 <td>578</td> <td>T</td> <td>0.07</td> <td>0.08</td>	578	T	0.07	0.08
K	E	0.26 <td>577</td> <td>C</td> <td>0.00</td> <td>0.26</td>	577	C	0.00	0.26
E	J	0.24 <td>199</td> <td>T</td> <td>0.00</td> <td>0.24</td>	199	T	0.00	0.24
J	D	0.14 <td>199</td> <td>T</td> <td>0.00</td> <td>0.14</td>	199	T	0.00	0.14
-----Chord-Webs-----						
I	H	0.18 <td>1845</td> <td>C</td> <td>0.02</td> <td>0.16</td>	1845	C	0.02	0.16
H	P	0.30 <td>1630</td> <td>C</td> <td>0.30</td> <td>0.00</td>	1630	C	0.30	0.00
-----Webs-----						
X	Y	0.02	209	C		
Y	N	0.02	99	C		
N	O	0.02	191	T		
N	H	0.02	177	T		
O	H	0.10	438	C		
P	M	0.27	1481	T		
M	Q	0.29	748	C		
Q	L	0.08	434	T		
L	B	0.12	170	C		
B	G	0.17	296	T		
G	R	0.27	377	C		
R	F	0.02	140	T		
F	C	0.03	230	T		
F	S	0.12	688	T		
K	S	0.37	964	C		
K	T	0.24	1310	T		
E	T	0.40	1503	C		
E	U	0.23	607	C		
J	U	0.04	279	T		

LL Defl -0.02" in E -J L/999
TL Defl -0.04" in E -J L/999
Shear // Grain in B -R 0.31
Hz Disp LL DL TL
Jt E 0.02" 0.02" 0.04"

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

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

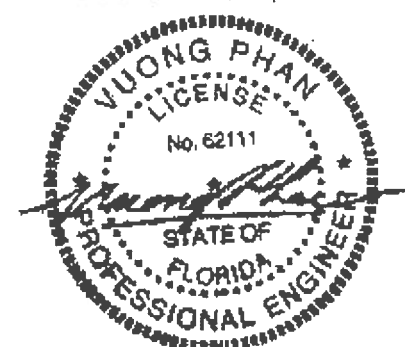
Plate	LOCK	20 Ga	Gross Area
Plate - RHS	20 Ga	Gross Area	
Jt Type	Plt Size	X	Y JSI
A	LOCK	5.0x 7.0	Ctr-0.2 0.78
Y	LOCK	3.0x 7.0	Ctr Ctr 0.45
O	LOCK	3.0x 7.0	Ctr Ctr 0.45
P	LOCK	6.0x 8.0	Ctr Ctr 0.86
Q	LOCK	3.0x 7.0	Ctr Ctr 0.52
B	LOCK	6.0x 8.0	0.7-3.7 0.80
R	LOCK	3.0x 7.0	Ctr Ctr 0.52
C	LOCK	6.0x 6.0	0.7-3.5 0.75
S	LOCK	3.0x 7.0	Ctr Ctr 0.50
T	LOCK	5.0x 7.0	0.2 0.5 0.86
U	LOCK	3.0x 7.0	Ctr Ctr 0.45
D	LOCK	5.0x 7.0	Ctr-0.2 0.78
D	LOCK	3.0x 9.0	Ctr Ctr 0.00
X	LOCK	2.0x 4.0	Ctr Ctr 0.57
N	LOCK	4.0x 8.0	Ctr Ctr 0.74
I	LOCK	3.0x 4.0	Ctr Ctr 0.91
H	LOCK	8.0x10.0	Ctr 1.0 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: 130 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 1845 lbs
Quality Control Factor 1.25

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



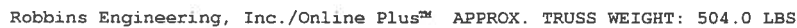
U# J#BEACH BEACH RESIDENCE

Date Sealed: 12/15/2005

Job BEACH	Mark A8	Quan 1	Type SP	Span 550800	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
U# J#BEACH BEACH RESIDENCE								

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: 130 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 1845 Lbs
 Quality Control Factor 1.25

U# J#BEACH BEACH RESIDENCE



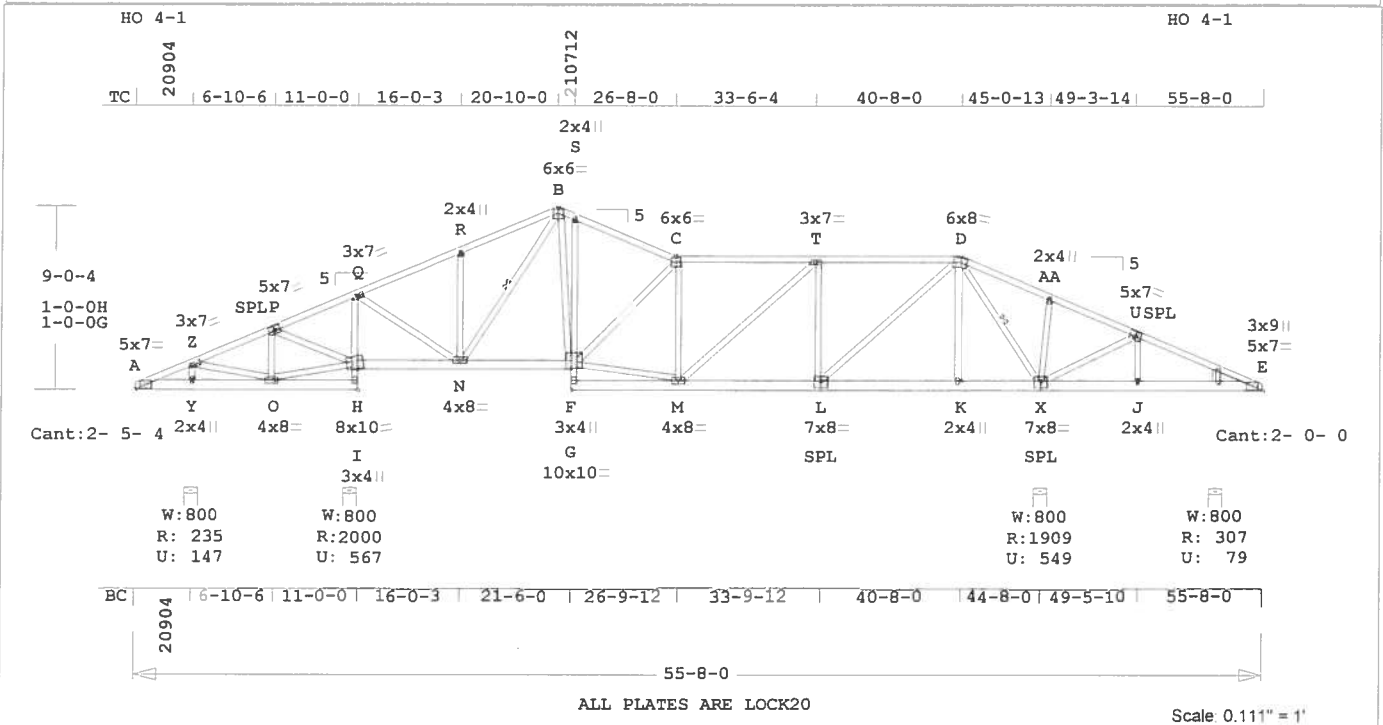
A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the word "LICENSE" is at the top, "No. 62111" is in the center, and "STATE OF FLORIDA" is at the bottom. A signature, "Vuong Phan", is written across the seal.

Job BEACH	Mark A9	Quan 1	Type SP	Span 550800	P1-H1 5	Left OH 0	Right OH 0	Engineering 105121429
U# J#BEACH BEACH RESIDENCE								

concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 130 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 1893 Lbs
 Quality Control Factor 1.25

Job BEACH	Mark A10	Quan 1	Type SP	Span 55080	Pl-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 501.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.45 2x 4 SP-#2
BC 0.21 2x 6 SP-#2
CW 0.33 2x 4 SP-#2
WB 0.41 2x 4 SP-#2
WG --- 2x 8 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 55- 8- 0
BC Cont. 0- 0- 0 55- 8- 0
WB 1 rows CLB on N-B
WB 1 rows CLB on D-X
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
Y	236	147	8- 0	1- 0
			Hz =	-254
I	2001	568	8- 0	2- 4
X	1909	549	8- 0	2- 2
E	308	79	8- 0	1- 0
			Hz =	257

Membr	CSI	P Lbs	Ax1	CSI-Bnd
-----Top Chords-----				
A-Z	0.15	220 T	0.04	0.11
Z-P	0.19	304 T	0.05	0.14
P-Q	0.36	816 T	0.14	0.22
Q-R	0.25	648 C	0.00	0.25
R-B	0.25	658 C	0.00	0.25
B-S	0.19	1075 C	0.00	0.19
S-C	0.23	1084 C	0.01	0.22
C-T	0.43	1455 C	0.01	0.42
T-D	0.45	1268 C	0.01	0.44
D-AA	0.36	434 T	0.06	0.30
AA-U	0.37	424 T	0.07	0.30
U-E	0.13	67 T	0.01	0.12
-----Bottom Chords-----				

A-Y	0.03	189 C	0.00	0.03
Y-O	0.04	239 T	0.00	0.04
O-I	0.04	81 C	0.00	0.04
H-N	0.08	746 C	0.00	0.08
N-G	0.18	907 T	0.11	0.07
F-M	0.09	59 T	0.00	0.09
M-L	0.21	1268 T	0.15	0.06
L-K	0.15	435 T	0.03	0.12
K-X	0.15	435 T	0.05	0.10
X-J	0.10	202 T	0.00	0.10
J-E	0.04	202 T	0.00	0.04
-----Chord-Webs-----				
I-H	0.20	1965 C	0.03	0.17
H-Q	0.33	1754 C	0.33	0.00
F-G	0.12	80 T	0.00	0.12
G-S	0.10	143 T	0.10	0.00
-----Webs-----				
Y-Z	0.01	143 C		
Z-O	0.02	118 C		
O-P	0.03	233 T		
O-H	0.04	203 C		
P-H	0.12	510 C		
Q-N	0.29	1623 T		
N-R	0.12	322 C		
N-B	0.15	559 C	1 Br	
B-G	0.23	950 T		
G-C	0.41	643 C		
G-M	0.26	1427 T		
M-C	0.14	315 C		
M-T	0.06	252 T		
L-T	0.27	585 C		
L-D	0.32	1108 T		
K-D	0.03	199 T		
D-X	0.29	1543 C	1 Br	
X-AA	0.08	334 C		
X-U	0.12	363 C		
J-U	0.02	169 T		

LL Defl -0.07" in M -L L/999
TL Defl -0.14" in M -L L/999
Shear // Grain in C -T 0.28

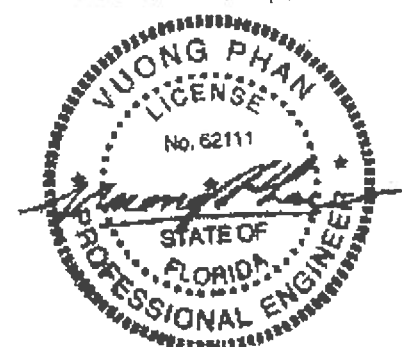
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 5.0x 7.0 Ctr Ctr 0.78
Z LOCK 3.0x 7.0 Ctr Ctr 0.45
P LOCK 5.0x 7.0-0.2 0.5 0.86
Q LOCK 3.0x 7.0 Ctr Ctr 0.77
R LOCK 2.0x 4.0 Ctr Ctr 0.57
B LOCK 6.0x 6.0 Ctr-0.5 0.75
S LOCK 2.0x 4.0 Ctr Ctr 0.25
C LOCK 6.0x 6.0 Ctr Ctr 0.88

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

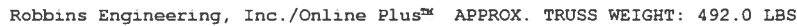
Truss Design Engineer: Vuong Phan
License # 62111
Address P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A10	1	SP	550800	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

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: 130 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 1965 Lbs
 Quality Control Factor 1.25

U# J#BEACH BEACH RESIDENCE



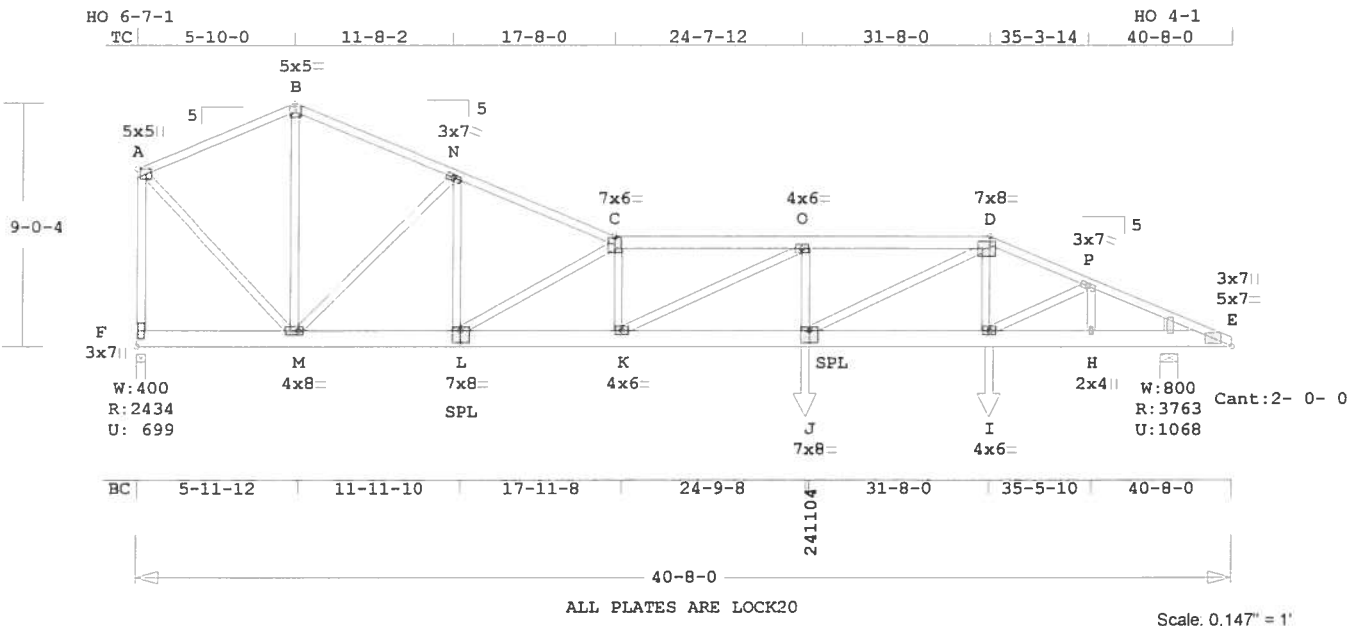
A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No. 62111" is printed. A signature, "Vuong Phan", is written across the seal, crossing over the "STATE OF FLORIDA" text.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A11	1	SP	550800	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

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: 130 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 2968 Lbs
 Quality Control Factor 1.25

Job BEACH	Mark A13	Quan 1*2P	Type SP	Span 400800	Pl-H1 5	Left OH 0	Right OH 0	Engineering 105121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 386.2 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

* 2-Ply Truss *

CSI -Size- Lumber-
TC 0.58 2x 4 SP-#2
EX C -D 2x 6 SP-#2
BC 0.95 2x 8 SP-#2
WB 0.46 2x 4 SP-#2
WG --- 2x 6 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 40- 8- 0
BC Cont. 0- 0- 0 40- 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' 40.7'
BC V 0 20 0.0' 40.7'
TC V 50 25 24.7' 31.7'
BC V 0 25 24.7' 31.7'
BC V 325 325 31.7' CL-LB
BC V 797 797 24.8' 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
F 2434 699 4- 0 1- 7
Hz = -371
E 3764 1068 8- 0 2- 2
Hz = 188

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.19 1595 C 0.01 0.18
B -N 0.27 1613 C 0.00 0.27
N -C 0.36 4106 C 0.06 0.30
C -O 0.28 8557 C 0.06 0.22
O -D 0.44 9957 C 0.10 0.34
D -P 0.37 6982 C 0.10 0.27
P -E 0.58 5201 C 0.05 0.53

-----Bottom Chords-----
F -M 0.03 267 T 0.00 0.03
M -L 0.22 3817 T 0.21 0.01
L -K 0.57 8536 T 0.48 0.09
K -J 0.67 9957 T 0.56 0.11
J -I 0.46 6484 T 0.36 0.10
I -H 0.59 4706 T 0.26 0.33
H -E 0.95 4706 T 0.26 0.69
-----Webs-----
F -A 0.17 2382 C WindLd
A -M 0.20 2187 T
M -B 0.08 884 T
M -N 0.39 3325 C
L -N 0.26 2892 T
L -C 0.46 5442 C
K -C 0.07 828 T
K -O 0.16 1570 C
J -O 0.03 477 T
J -D 0.35 3883 T
I -D 0.03 466 T
I -P 0.18 2011 T
H -P 0.06 1459 C
LL Defl -0.25" in K -J L/999
TL Defl -0.49" in K -J L/914
Shear // Grain in H -E 0.39

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 0.67
B LOCK 5.0x 5.0 Ctr Ctr 0.73
N LOCK 3.0x 7.0 Ctr Ctr 0.63
C LOCK 7.0x 6.0 Ctr Ctr 0.74
O LOCK 4.0x 6.0 Ctr Ctr 0.44
D LOCK 7.0x 8.0 0.5 Ctr 0.88
P LOCK 3.0x 7.0 Ctr Ctr 0.41
E LOCK 5.0x 7.0 Ctr-0.2 0.72
E LOCK 3.0x 7.0 Ctr Ctr 0.00
F LOCK 3.0x 7.0 Ctr Ctr 0.70
M LOCK 4.0x 8.0 Ctr Ctr 0.46
L LOCK 7.0x 8.0 Ctr-2.0 0.65
K LOCK 4.0x 6.0 Ctr Ctr 0.44
J LOCK 7.0x 8.0 Ctr-2.0 0.74
I LOCK 4.0x 6.0 Ctr Ctr 0.44
H LOCK 2.0x 4.0 Ctr Ctr 0.48

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

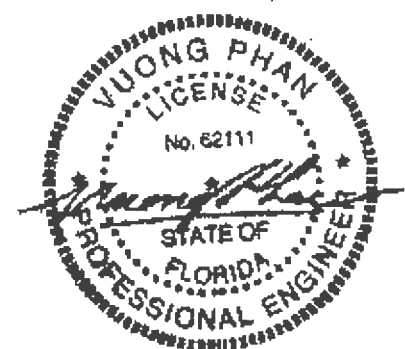
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

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 4 4

Plus clusters of nails where
shown.
Provide connection to bearing
for 371 lbs Horiz Reaction
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: 130 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 9957 Lbs

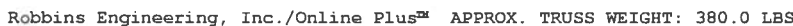
Truss Design Engineer: Vuong Phan
License # 62111
Address: P.O. Box 280055, Tampa, FL 33682

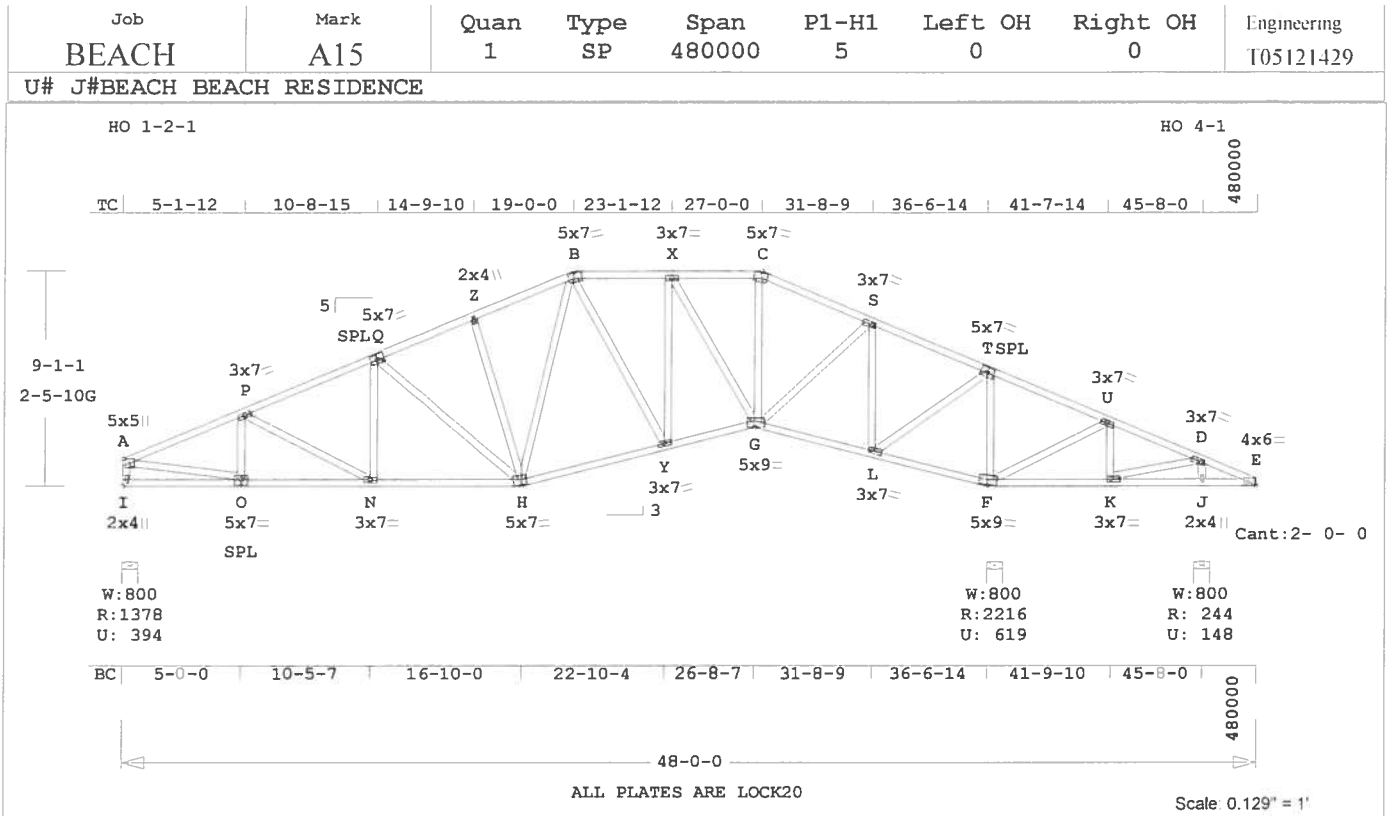


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A13	1*2P	SP	400800	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

Quality Control Factor 1.25

U# J#BEACH BEACH RESIDENCE





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 387.2 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber-----
TC 0.35 2x 4 SP-#2
BC 0.68 2x 4 SP-#2
WB 0.49 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 48- 0- 0
BC Cont. 0- 0- 0 48- 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	Uplift	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
I	1379	394	8- 0	1-10
			Hz =	-270
F	2216	620	8- 0	2- 8
J	245	148	8- 0	1- 0
			Hz =	245

Membr	CSI	P Lbs	Ax1	CSI-Bnd
-----Top Chords-----				
A -P	0.29	2147	C	0.02 0.27
P -Q	0.29	2067	C	0.02 0.27
Q -Z	0.22	1676	C	0.01 0.21
Z -B	0.16	1606	C	0.01 0.15
B -X	0.14	1446	C	0.01 0.13
X -C	0.14	1281	C	0.01 0.13
C -S	0.22	1392	C	0.01 0.21
S -T	0.22	651	C	0.00 0.22
T -U	0.35	722	T	0.13 0.22
U -D	0.26	162	T	0.03 0.23
D -E	0.11	206	T	0.03 0.08
-----Bottom Chords-----				
I -O	0.14	254	T	0.00 0.14
O -N	0.40	1993	T	0.33 0.07
N -H	0.50	1906	T	0.32 0.18
H -Y	0.38	1446	T	0.24 0.14
Y -G	0.35	1489	T	0.24 0.11
G -L	0.26	621	T	0.10 0.16
L -F	0.68	665	C	0.00 0.68
F -K	0.59	220	T	0.00 0.59

K	J	0.29	229	T	0.00	0.29
J	-E	0.04	176	C	0.00	0.04
-----Webs-----						
I	-A	0.12	1334	C	WindLd	
A	-O	0.37	2029	T		
O	-P	0.03	269	C		
P	-N	0.05	105	C		
N	-Q	0.04	263	T		
Q	-H	0.38	466	C		
Z	-H	0.15	235	C		
H	-B	0.16	307	T		
B	-Y	0.04	151	T		
Y	-X	0.06	132	T		
X	-G	0.20	312	C		
G	-C	0.05	310	T		
G	-S	0.16	899	T		
L	-S	0.47	1169	C		
L	-T	0.27	1497	T		
F	-T	0.49	1692	C		
F	-U	0.24	612	C		
K	-U	0.04	279	T		
K	-D	0.02	109	C		
J	-D	0.02	226	C		

LL Defl -0.06" in F -K L/999
TL Defl -0.13" in F -K L/736
Shear // Grain in A -P 0.21
Hz Disp LL DL TL
Jt F 0.05" 0.05" 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
A LOCK 5.0x 5.0 Ctr Ctr 0.78
P LOCK 3.0x 7.0 Ctr Ctr 0.43
Q LOCK 5.0x 7.0-0.2 0.5 0.86
Z LOCK 2.0x 4.0 Ctr Ctr 0.52
B LOCK 5.0x 7.0 0.6-3.1 0.87
X LOCK 3.0x 7.0 Ctr Ctr 0.55
C LOCK 5.0x 7.0-0.6-3.1 0.75
S LOCK 3.0x 7.0 Ctr Ctr 0.48
T LOCK 5.0x 7.0 0.2 0.5 0.86
U LOCK 3.0x 7.0 Ctr Ctr 0.43
D LOCK 3.0x 7.0 Ctr Ctr 0.43
E LOCK 4.0x 6.0 Ctr 0.1 0.85
I LOCK 2.0x 4.0 Ctr Ctr 0.65
O LOCK 5.0x 7.0 Ctr-0.5 0.99
N LOCK 3.0x 7.0 Ctr Ctr 0.47
H LOCK 5.0x 7.0-0.9 2.9 0.90
Y LOCK 3.0x 7.0 Ctr Ctr 0.56
G LOCK 5.0x 9.0 0.5-1.1 0.80
L LOCK 3.0x 7.0 Ctr Ctr 0.61
F LOCK 5.0x 9.0 0.9 3.0 0.81

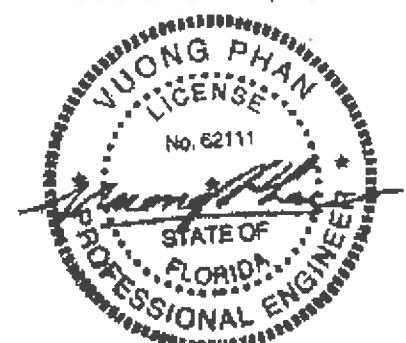
K LOCK 3.0x 7.0 Ctr Ctr 0.94
J LOCK 2.0x 4.0 Ctr Ctr 0.53

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

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

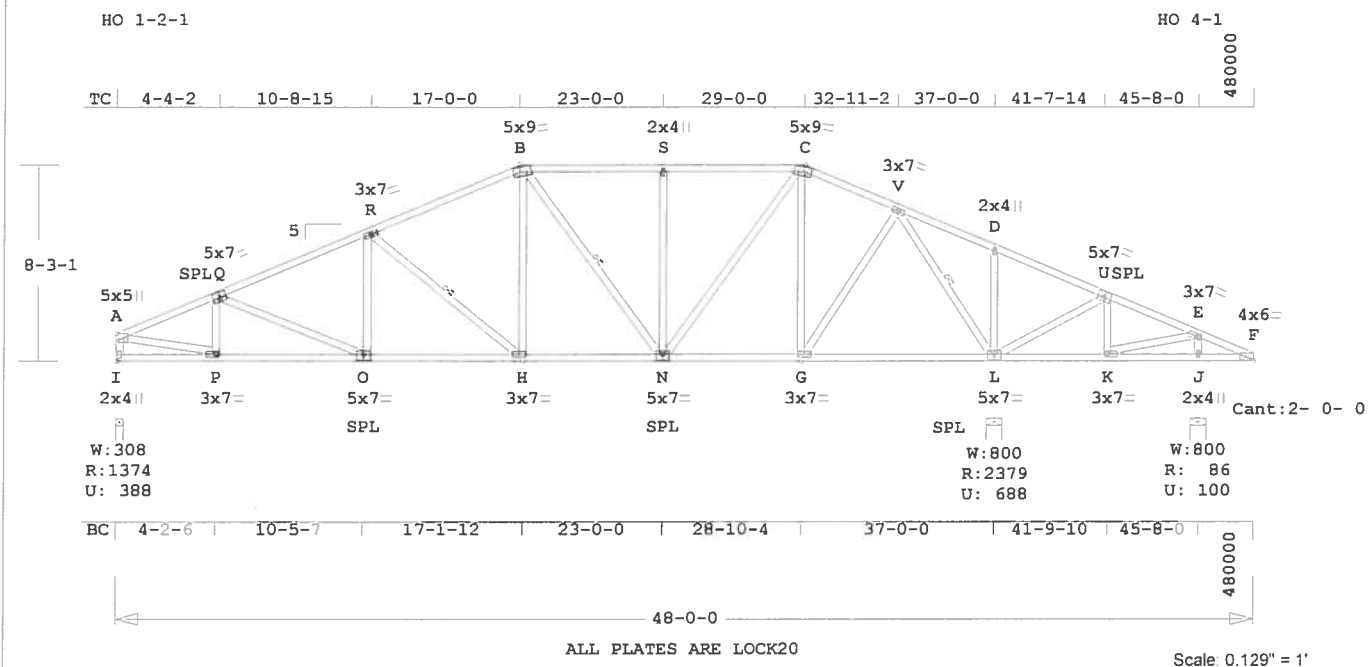
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean Roof 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 2147 Lbs
Quality Control Factor 1.25

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



Job BEACH	Mark A16	Quan 1	Type HIPP	Span 480000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 374.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber-----
TC 0.41 2x 4 SP-#2
BC 0.45 2x 4 SP-#2
WB 0.52 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 48- 0- 0
BC Cont. 0- 0- 0 48- 0- 0
WB 1 rows CLB on R -H
WB 1 rows CLB on B -N
WB 1 rows CLB on V -L
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	1375	389	3- 8	1-10
			Hz =	-246
L	2379	688	8- 0	2-11
J	86	100	8- 0	1- 0
			Hz =	220

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -Q	0.28	2074	C	0.02	0.26
Q -R	0.41	2079	C	0.02	0.39
R -B	0.40	1608	C	0.01	0.39
B -S	0.37	1318	C	0.01	0.36
S -C	0.37	1318	C	0.01	0.36
C -V	0.12	858	C	0.00	0.12
V -D	0.36	901	T	0.14	0.22
D -U	0.38	908	T	0.16	0.22
U -E	0.26	454	T	0.08	0.18
E -F	0.12	166	T	0.03	0.09
-----Bottom Chords-----					
I -P	0.14	230	T	0.00	0.14
P -O	0.45	1927	T	0.32	0.13
O -H	0.45	1923	T	0.32	0.13

H -N	0.35	1474	T	0.15	0.20
N -G	0.37	796	T	0.08	0.29
G -L	0.32	274	T	0.02	0.30
L -K	0.30	414	C	0.00	0.30
K -J	0.06	217	T	0.00	0.06
J -F	0.06	141	C	0.00	0.06
-----Webs-----					
I -A	0.12	1339	C	WindLd	
A -P	0.36	1977	T		
P -Q	0.04	334	C		
Q -O	0.04	71	C		
O -R	0.04	272	T		
R -H	0.13	568	C	1 Br	
H -B	0.08	514	T		
B -N	0.08	262	C	1 Br	
N -S	0.30	389	C		
N -C	0.32	878	T		
G -C	0.52	657	C		
G -V	0.17	954	T		
V -L	0.40	2043	C	1 Br	
L -D	0.07	284	C		
L -U	0.17	480	C		
K -U	0.03	199	T		
K -E	0.05	282	C		
J -E	0.01	131	T		

LL Defl -0.09" in O -H L/999
TL Defl -0.20" in O -H L/999
Shear // Grain in B -S 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.

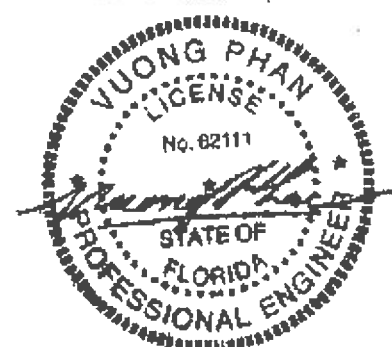
Plate -	LOCK	20	Ga,	Gross	Area	
Plate -	RHS	20	Ga,	Gross	Area	
Jt Type	Plt	Size	X	Y	JSI	
A	LOCK	5.0x	5.0	Ctr	Ctr	0.78
Q	LOCK	5.0x	7.0-0.2	0.5	0.86	
R	LOCK	3.0x	7.0	Ctr	Ctr	0.46
B	LOCK	5.0x	9.0	1.2-3.3	0.79	
S	LOCK	2.0x	4.0	Ctr	Ctr	0.53
C	LOCK	5.0x	9.0-1.2-3.3	0.79		
V	LOCK	3.0x	7.0	Ctr	Ctr	0.63
D	LOCK	2.0x	4.0	Ctr	Ctr	0.53
U	LOCK	5.0x	7.0	0.2	0.5	0.86
E	LOCK	3.0x	7.0	Ctr	Ctr	0.43
F	LOCK	4.0x	6.0	Ctr	0.1	0.85
I	LOCK	2.0x	4.0	Ctr	Ctr	0.65
P	LOCK	3.0x	7.0	Ctr	Ctr	0.93
O	LOCK	5.0x	7.0	Ctr-0.5	0.88	
H	LOCK	3.0x	7.0	Ctr	Ctr	0.48
N	LOCK	5.0x	7.0	Ctr-0.5	0.88	
G	LOCK	3.0x	7.0	Ctr	Ctr	0.54
L	LOCK	5.0x	7.0	Ctr-0.5	0.88	
K	LOCK	3.0x	7.0	Ctr	Ctr	0.94

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

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

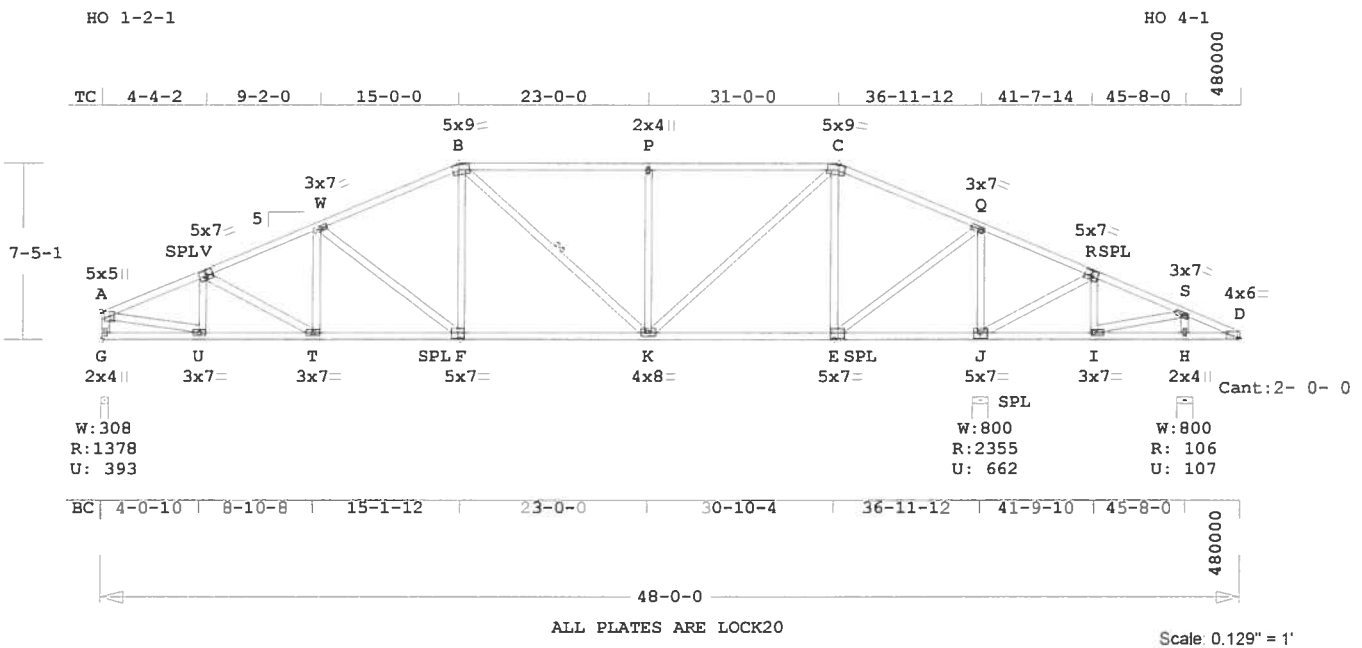
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean Roof 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 2079 Lbs
Quality Control Factor 1.25

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



Job BEACH	Mark A17	Quan 1	Type HIPP	Span 480000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online PlusTM APPROX. TRUSS WEIGHT: 353.4 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.67 2x 4 SP-#2
BC 0.51 2x 4 SP-#2
WB 0.58 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 48- 0- 0
BC Cont. 0- 0- 0 48- 0- 0
WB 1 rows CLB on B -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	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	1378	393	3- 8	1-10
			Hz =	-221
J	2356	663	8- 0	2-10
H	106	107	8- 0	1- 0
			Hz =	196

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -V	0.20	2055	C	0.04	0.16
V -W	0.25	2138	C	0.02	0.23
W -B	0.35	1779	C	0.01	0.34
B -P	0.67	1516	C	0.01	0.66
P -C	0.67	1516	C	0.01	0.66
C -Q	0.35	676	C	0.00	0.35
Q -R	0.50	868	T	0.15	0.35
R -S	0.22	421	T	0.07	0.15
S -D	0.13	165	T	0.03	0.10
-----Bottom Chords-----					
G -U	0.09	205	T	0.00	0.09
U -T	0.38	1905	T	0.31	0.07
T -F	0.48	1976	T	0.33	0.15
F -K	0.51	1640	T	0.17	0.34

K -E	0.40	628	T	0.06	0.34
E -J	0.26	793	C	0.00	0.26
J -I	0.17	386	C	0.00	0.17
I -H	0.09	195	T	0.00	0.09
H -D	0.05	139	C	0.00	0.05

G -A	0.12	1338	C	WindLd
A -U	0.36	1954	T	
U -V	0.04	349	C	
V -T	0.01	81	T	
T -W	0.02	185	T	
W -F	0.29	414	C	
F -B	0.07	466	T	
B -K	0.06	167	C	
K -P	0.33	521	C	
K -C	0.47	1192	T	
E -C	0.58	925	C	
E -Q	0.32	1765	T	
J -Q	0.56	2019	C	
J -R	0.17	463	C	
I -R	0.03	222	T	
I -S	0.05	255	C	
H -S	0.01	136	T	

LL Defl -0.10" in T -F L/999
TL Defl -0.24" in F -K L/999
Shear // Grain in B -P 0.35

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

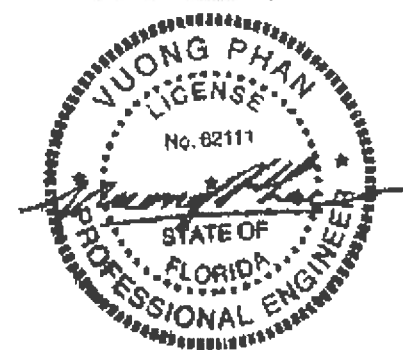
Plate - LOCK	20 Ga, Gross Area
Plate - RHS	20 Ga, Gross Area
Jt Type	Plt Size X Y JSI
A LOCK	5.0x 5.0 Ctr Ctr 0.78
V LOCK	5.0x 7.0-0.2 0.5 0.86
W LOCK	3.0x 7.0 Ctr Ctr 0.46
B LOCK	5.0x 9.0 1.2-3.3 0.79
P LOCK	2.0x 4.0 Ctr Ctr 0.53
C LOCK	5.0x 9.0-1.2-3.3 0.79
Q LOCK	3.0x 7.0 Ctr Ctr 0.85
R LOCK	5.0x 7.0 0.2 0.5 0.86
S LOCK	3.0x 7.0 Ctr Ctr 0.43
D LOCK	4.0x 6.0 Ctr 0.1 0.85
G LOCK	2.0x 4.0 Ctr Ctr 0.65
U LOCK	3.0x 7.0 Ctr Ctr 0.93
T LOCK	3.0x 7.0 Ctr Ctr 0.47
F LOCK	5.0x 7.0 Ctr-0.5 0.88
K LOCK	4.0x 8.0 Ctr Ctr 0.49
E LOCK	5.0x 7.0 Ctr-0.5 0.88
J LOCK	5.0x 7.0 Ctr-0.5 0.88
I LOCK	3.0x 7.0 Ctr Ctr 0.94
H LOCK	2.0x 4.0 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.

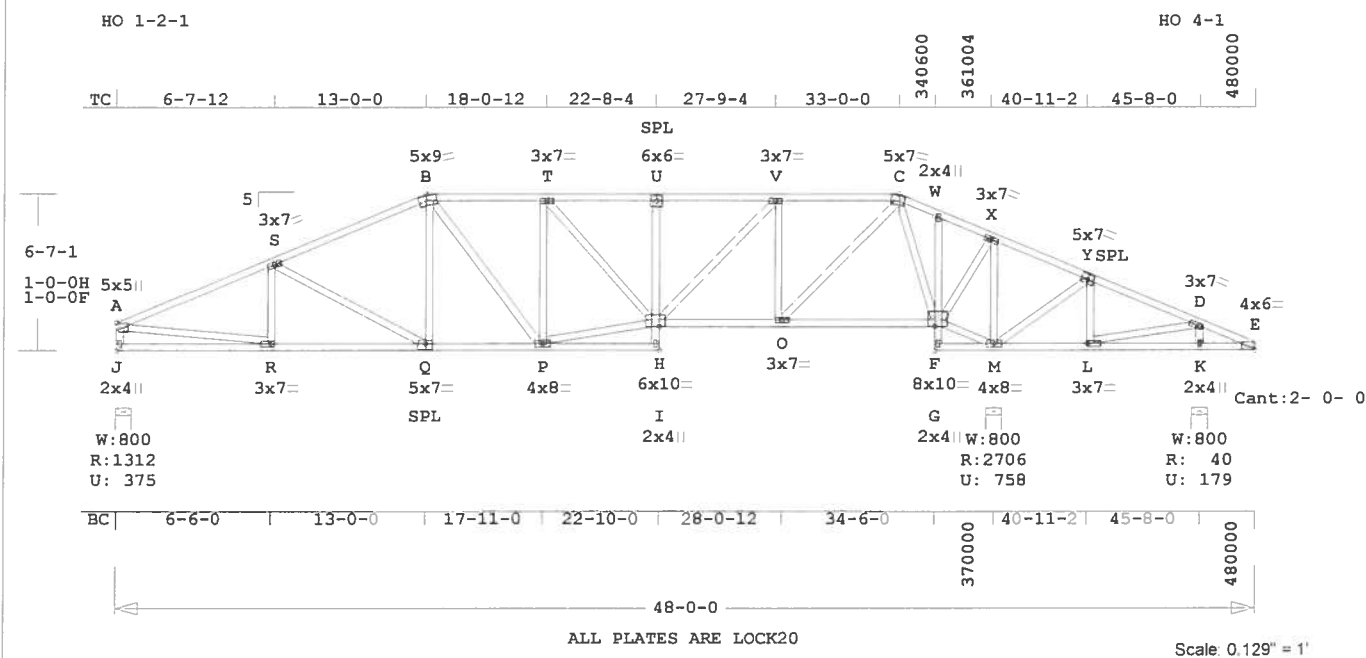
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean Roof 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 2138 Lbs
Quality Control Factor 1.25

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



Job BEACH	Mark A18	Quan 1	Type SP	Span 480000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online PlusTM APPROX. TRUSS WEIGHT: 387.9 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.50 2x 4 SP-#2
BC 0.46 2x 4 SP-#2
CW 0.19 2x 4 SP-#2
WB 0.56 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 48- 0- 0
BC Cont. 0- 0- 0 48- 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 Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
J 1312 375 8- 0 1- 9
Hz = -197
M 2707 759 8- 0 3- 1
K 41 179G 8- 0 1- 0
Hz = 172

G = Gravity Uplift

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -S 0.50 2096 C 0.07 0.43
S -B 0.47 1777 C 0.02 0.45
B -T 0.22 1689 C 0.01 0.21
T -U 0.22 1712 C 0.01 0.21
U -V 0.22 1718 C 0.01 0.21
V -C 0.32 1027 C 0.00 0.32
C -W 0.42 541 T 0.09 0.33
W -X 0.23 616 T 0.10 0.13
X -Y 0.45 1469 T 0.23 0.22
Y -D 0.39 962 T 0.17 0.22
D -E 0.14 156 T 0.02 0.12
-----Bottom Chords-----
J -R 0.26 181 T 0.00 0.26
R -Q 0.46 1949 T 0.20 0.26
Q -P 0.36 1629 T 0.27 0.09
P -I 0.13 41 T 0.00 0.13
H -O 0.30 1027 T 0.10 0.20
O -F 0.23 175 T 0.00 0.23
G -M 0.09 109 C 0.00 0.09
M -L 0.11 884 C 0.00 0.11

L -K 0.11 180 T 0.00 0.11
K -E 0.07 127 C 0.00 0.07
-----Chord-Webs-----
I -H 0.08 77 T 0.00 0.08
H -U 0.11 302 C 0.11 0.00
G -F 0.19 21 T 0.00 0.19
F -W 0.08 296 C 0.08 0.00
-----Webs-----
J -A 0.11 1257 C WindLd
A -R 0.36 1970 T
R -S 0.02 152 T
S -Q 0.25 358 C
Q -B 0.05 346 T
B -P 0.08 108 C
P -T 0.16 323 C
T -H 0.31 1683 T
H -V 0.02 59 T
V -U 0.19 983 T
U -O 0.34 988 C
O -C 0.29 1589 T
C -F 0.56 1479 C
F -X 0.26 1459 T
X -M 0.16 1415 C
M -Y 0.47 1723 C
Y -L 0.18 587 C
L -D 0.04 307 T
D -K 0.21 774 C
K -E 0.04 292 T

LL Defl -0.10" in P -I L/999
TL Defl -0.22" in P -I L/999
LL Cant 0.00" in K -E L/999
Shear // Grain in A -S 0.27

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 0.78
S LOCK 3.0x 7.0 Ctr Ctr 0.44
B LOCK 5.0x 9.0 1.2-3.3 0.79
T LOCK 3.0x 7.0 Ctr Ctr 0.50
U LOCK 6.0x 6.0 Ctr Ctr 0.88
V LOCK 3.0x 7.0 Ctr Ctr 0.49
C LOCK 5.0x 7.0-0.6-3.1 0.84
W LOCK 2.0x 4.0 Ctr Ctr 0.25
X LOCK 3.0x 7.0 Ctr Ctr 0.99
Y LOCK 5.0x 7.0 0.2 0.5 0.86
D LOCK 3.0x 7.0 Ctr Ctr 0.43
E LOCK 4.0x 6.0 Ctr 0.1 0.85
J LOCK 2.0x 4.0 Ctr Ctr 0.65
R LOCK 3.0x 7.0 Ctr Ctr 0.93
Q LOCK 5.0x 7.0 Ctr-0.5 0.88
P LOCK 4.0x 8.0 Ctr Ctr 0.70
I LOCK 2.0x 4.0 Ctr Ctr 0.66
H LOCK 6.0x10.0 Ctr 1.2 0.73

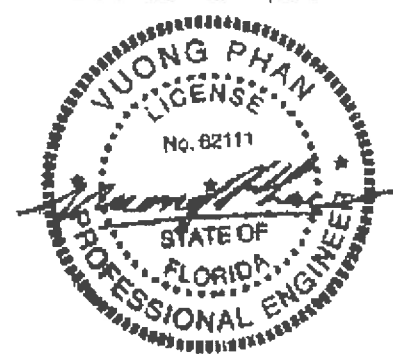
O LOCK 3.0x 7.0 Ctr Ctr 0.64
F LOCK 8.0x10.0 Ctr 2.3 0.82
G LOCK 2.0x 4.0 Ctr Ctr 0.66
M LOCK 4.0x 8.0 Ctr Ctr 0.53
L LOCK 3.0x 7.0 Ctr Ctr 0.93
K LOCK 2.0x 4.0 Ctr Ctr 0.53

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
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: 130 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

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



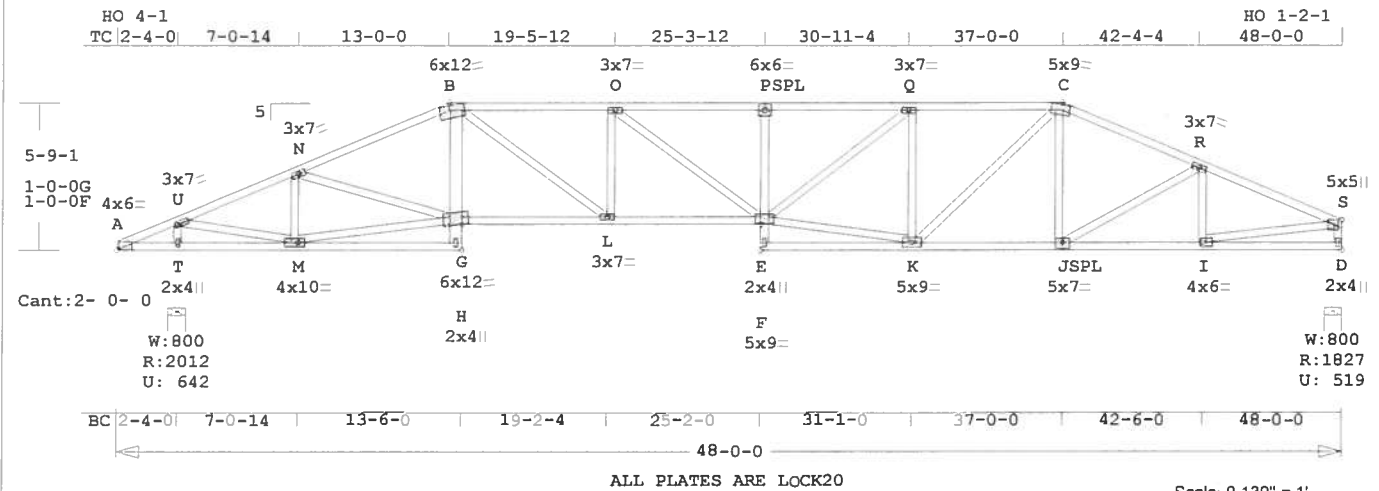
Date Sealed 12/15/2005

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A18	1	SP	480000	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

BC Dead Load : 5.0 psf
 Max comp. force 2096 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
BEACH	A19	1	SP	480000	5	0	0	T05121429

U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 367.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.67 2x 4 SP-#2
BC 0.89 2x 4 SP-#2
CW 0.33 2x 6 SP-#2
EX E -P 2x 4 SP-#2
WB 0.64 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 48- 0- 0	
BC Cont.	0- 0- 0 48- 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	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
T	2012	642	8- 0	2- 4
			Hz =	-158
D	1828	520	8- 0	2- 3
			Hz =	161

Membr	CSI	P Lbs	Axl	CSI-Bnd
---Top Chords---				
A -U	0.22	80 C	0.01	0.21
U -N	0.26	2767 C	0.05	0.21
N -B	0.50	3540 C	0.08	0.42
B -O	0.67	4378 C	0.24	0.43
O -P	0.51	4636 C	0.14	0.37
P -Q	0.45	4615 C	0.22	0.23
Q -C	0.42	3558 C	0.15	0.27
C -R	0.33	3019 C	0.06	0.27
R -S	0.45	2991 C	0.11	0.34
---Bottom Chords---				
A -T	0.12	86 T	0.00	0.12
T -M	0.20	190 T	0.00	0.20
M -H	0.24	326 T	0.02	0.22
G -L	0.72	3340 T	0.56	0.16
L -F	0.89	4379 T	0.73	0.16
E -K	0.21	143 T	0.00	0.21
K -J	0.57	2784 T	0.46	0.11
J -I	0.54	2771 T	0.46	0.08

I	-D	0.16	151 T	0.00	0.16
-----Chord-Webs-----					
H	-G	0.33	106 T	0.00	0.33
G	-B	0.03	317 T	0.03	0.00
E	-F	0.29	92 T	0.00	0.29
F	-P	0.09	333 C	0.09	0.00
-----Webs-----					
T	-U	0.17	1904 C		
U	-M	0.48	2644 T		
M	-N	0.10	807 C		
M	-G	0.41	2254 T		
N	-G	0.13	755 T		
B	-L	0.24	1283 T		
L	-O	0.15	594 C		
O	-F	0.08	321 T		
F	-Q	0.24	1336 T		
F	-K	0.64	3465 T		
K	-Q	0.44	1185 C		
K	-C	0.22	1058 T		
J	-C	0.03	210 T		
J	-R	0.04	111 T		
I	-R	0.05	367 C		
I	-S	0.51	2813 T		
D	-S	0.16	1777 C	WindLd	

LL Defl -0.38" in L -F L/999
TL Defl -0.79" in L -F L/682
LL Cant 0.04" in A -T L/655
Shear // Grain in B -O 0.27

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 0.1 0.85
U LOCK	3.0x 7.0 Ctr Ctr 0.82
N LOCK	3.0x 7.0 Ctr Ctr 0.43
B LOCK	6.0x12.0 1.3-4.1 0.79
O LOCK	3.0x 7.0 Ctr Ctr 0.47
P LOCK	6.0x 6.0 Ctr Ctr 0.88
Q LOCK	3.0x 7.0 Ctr Ctr 0.48
C LOCK	5.0x 9.0-1.2-3.3 0.79
R LOCK	3.0x 7.0 Ctr Ctr 0.44
S LOCK	5.0x 5.0-0.5 Ctr 0.98
T LOCK	2.0x 4.0 Ctr Ctr 0.67
M LOCK	4.0x10.0 Ctr Ctr 0.86
H LOCK	2.0x 4.0 Ctr Ctr 0.91
G LOCK	6.0x12.0 Ctr 0.9 0.82
L LOCK	3.0x 7.0 Ctr Ctr 0.47
F LOCK	5.0x 9.0 Ctr 0.8 0.88
E LOCK	2.0x 4.0 Ctr Ctr 0.66
K LOCK	5.0x 9.0 Ctr Ctr 0.90
J LOCK	5.0x 7.0 Ctr-0.5 0.88

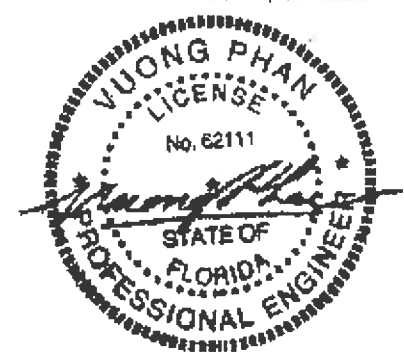
I LOCK 4.0x 6.0 Ctr Ctr 0.91
D LOCK 2.0x 4.0 Ctr Ctr 0.65

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

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

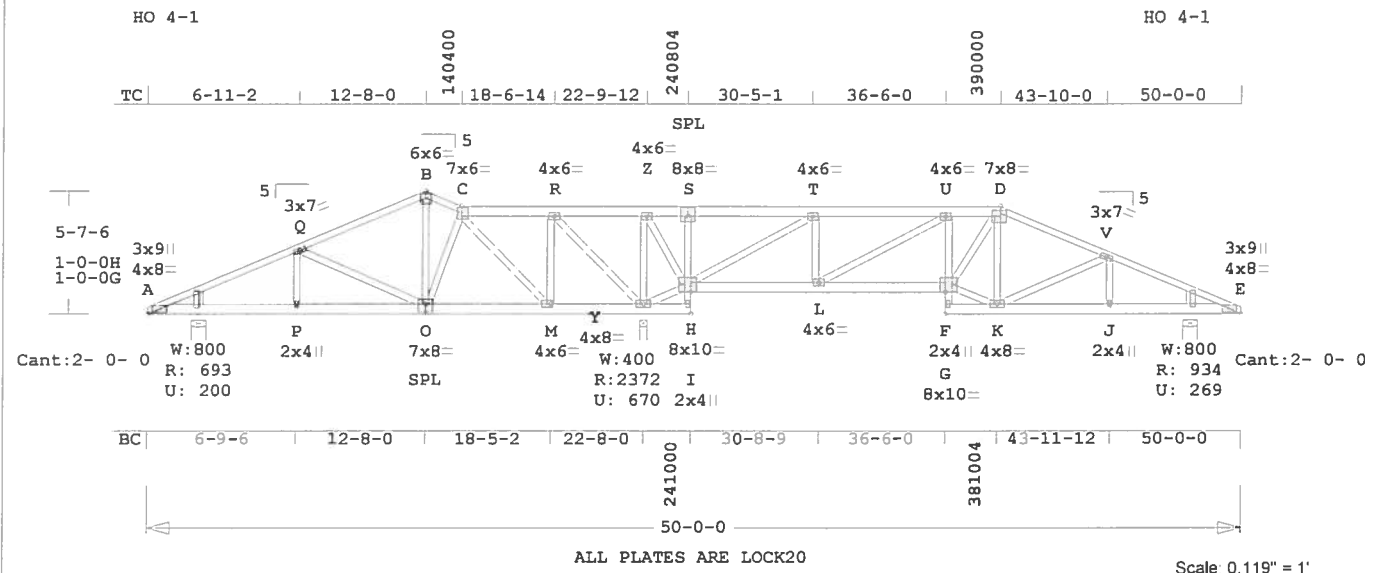
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean Roof 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 4636 Lbs
Quality Control Factor 1.25

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



Job BEACH	Mark A20	Quan 1	Type SP	Span 500000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online PlusTM APPROX. TRUSS WEIGHT: 433.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---

TC	0.34	2x 4	SP-#2
EX C	-S	2x 6	SP-#2
EX S	-D	2x 6	SP-#2
BC	0.56	2x 6	SP-#2
CW	0.14	2x 4	SP-#2
WB	0.92	2x 4	SP-#2
WG	---	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	50- 0- 0
BC Cont.	0- 0- 0	50- 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	Uplift	Size Req'd
	Lbs	Lbs	In-Sx In-Sx
A	693	201	8- 0 1- 0
			H _z = -150
Y	2373	671	4- 0 2- 9
E	934	269	8- 0 1- 1
			H _z = 151

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -Q	0.25	594 C	0.00 0.25
Q -B	0.27	241 C	0.00 0.27
B -C	0.13	236 C	0.00 0.13
C -R	0.17	453 T	0.05 0.12
R -Z	0.28	1348 T	0.16 0.12
Z -S	0.25	1049 T	0.12 0.13
S -T	0.28	1043 T	0.12 0.16
T -U	0.16	408 C	0.00 0.16
U -D	0.07	1020 C	0.00 0.07
D -V	0.22	888 C	0.00 0.22
V -E	0.34	972 C	0.00 0.34
-----Bottom Chords-----			
A -P	0.35	548 T	0.06 0.29
P -O	0.16	548 T	0.06 0.10
O -M	0.10	137 T	0.00 0.10
M -Y	0.09	453 C	0.00 0.09
Y -I	0.09	79 C	0.00 0.09
I -L	0.12	408 T	0.03 0.09
L -G	0.18	1025 T	0.12 0.06

F -K	0.08	23 C	0.00 0.08
K -J	0.27	884 T	0.10 0.17
J -E	0.56	884 T	0.10 0.46
-----Chord-Webs-----			
I -H	0.14	32 C	0.00 0.14
H -S	0.04	258 C	0.04 0.00
F -G	0.04	21 C	0.00 0.04
G -U	0.02	173 T	0.02 0.00
-----Webs-----			
P -Q	0.01	118 T	
Q -O	0.18	365 C	
O -B	0.01	85 T	
O -C	0.06	374 T	
C -M	0.33	769 C	
M -R	0.11	623 T	
R -Y	0.56	1298 C	
Y -Z	0.15	661 C	
Z -H	0.10	593 T	
H -T	0.92	1684 C	
L -T	0.08	519 T	
L -U	0.41	710 C	
G -D	0.06	356 T	
G -K	0.16	879 T	
K -D	0.03	159 C	
K -V	0.03	81 C	
J -V	0.01	158 C	

LL Defl -0.05" in K -J L/999
TL Defl -0.10" in K -J L/999
Shear // Grain in Q -B 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.

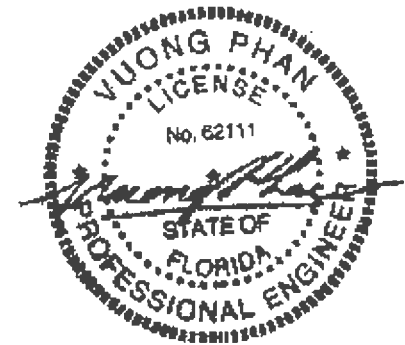
Plate	LOCK	20 Ga, Gross Area			
Plate -	LOCK	20 Ga, Gross Area			
Plate -	RHS	20 Ga, Gross Area			
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 8.0	Ctr	Ctr	0.83
A	LOCK	3.0x 9.0	Ctr	Ctr	0.00
Q	LOCK	3.0x 7.0	Ctr	Ctr	0.44
B	LOCK	6.0x 6.0	Ctr	-0.5	0.75
C	LOCK	7.0x 6.0	0.5	Ctr	0.81
R	LOCK	4.0x 6.0	Ctr	Ctr	0.47
Z	LOCK	4.0x 6.0	Ctr	Ctr	0.52
S	LOCK	8.0x 8.0	Ctr	1.0	0.75
T	LOCK	4.0x 6.0	Ctr	Ctr	0.47
U	LOCK	4.0x 6.0	Ctr	Ctr	0.45
D	LOCK	7.0x 8.0	1.0	Ctr	0.90
V	LOCK	3.0x 7.0	Ctr	Ctr	0.44
E	LOCK	4.0x 8.0	Ctr	Ctr	0.83
E	LOCK	3.0x 9.0	Ctr	Ctr	0.00
P	LOCK	2.0x 4.0	Ctr	Ctr	0.54
O	LOCK	7.0x 8.0	Ctr	-0.8	0.71
M	LOCK	4.0x 6.0	Ctr	Ctr	0.47
Y	LOCK	4.0x 8.0	Ctr	Ctr	0.53
I	LOCK	2.0x 4.0	Ctr	Ctr	0.91
H	LOCK	8.0x10.0	Ctr	1.2	0.78
L	LOCK	4.0x 6.0	Ctr	Ctr	0.47

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.
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: 130 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 1684 Lbs
Quality Control Factor 1.25

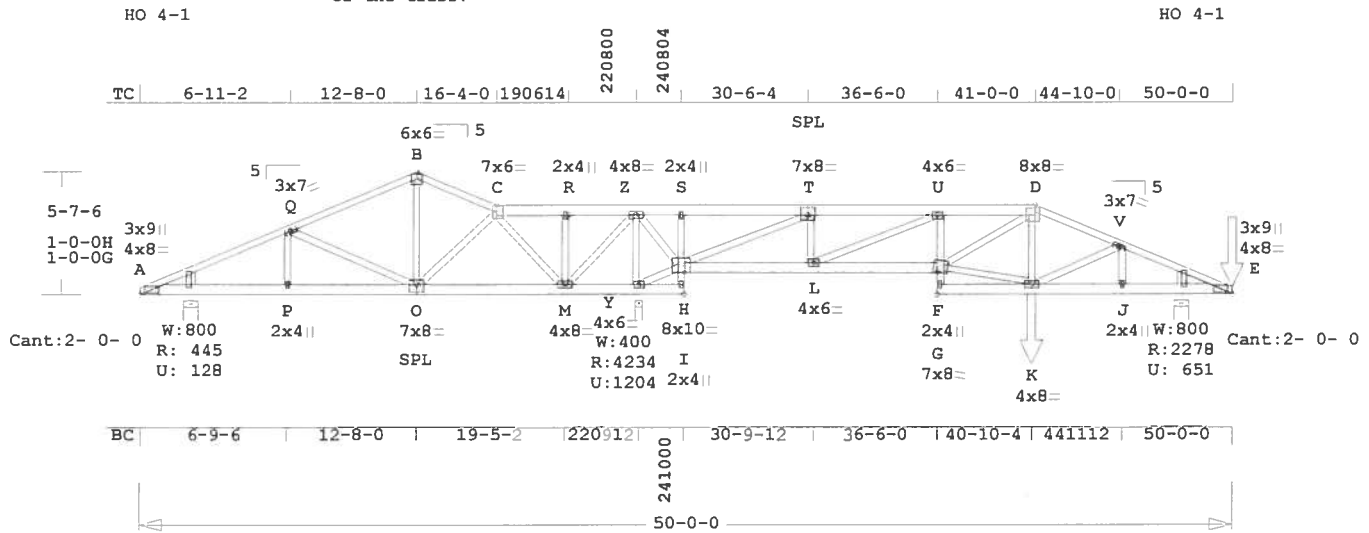
Truss Design Engineer: Vuong Phan
License # 62111
Address P O Box 280055, Tampa, FL 33682



Job BEACH	Mark A21	Quan 1*2P	Type SP	Span 500000	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE

All loads must be equally distributed to each ply of the truss.



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 419.2 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

* 2-Ply Truss *

CSI	-Size-	-----Lumber-----
TC	0.49	2x 4 SP-#2
EX C	-T	2x 6 SP-#2
EX T	-D	2x 6 SP-#2
BC	0.78	2x 6 SP-#2
CW	0.17	2x 4 SP-#2
WB	0.37	2x 4 SP-#2
WG	---	2x 8 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 50- 0- 0
BC Cont. 0- 0- 0 50- 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' 50.0'
BC V 0 20 0.0' 50.0'
TC V 50 25 22.8' 41.0'
BC V 0 25 22.8' 41.0'
BC V 480 480 40.9' CL-LB
TC V 90 90 50.0' 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	446	129	8- 0	1- 0
			Hx =	-150
Y	4234	1205	4- 0	2- 5
E	2279	651	8- 0	1- 5
			Hx =	151

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A	-Q	0.17	175 C	0.00 0.17
Q	-B	0.19	304 T	0.02 0.17
B	-C	0.15	305 T	0.02 0.13
C	-R	0.22	1975 T	0.13 0.09
R	-Z	0.19	1975 T	0.13 0.06
Z	-S	0.34	2012 T	0.13 0.21

S	-T	0.34	1982 T	0.13 0.21
T	-U	0.17	2418 C	0.00 0.17
U	-D	0.11	4331 C	0.01 0.10
D	-V	0.19	3299 C	0.02 0.17
V	-E	0.49	2379 C	0.01 0.48
-----Bottom Chords-----				
A	-P	0.07	245 T	0.01 0.06
P	-O	0.06	245 T	0.00 0.06
O	-M	0.06	1203 C	0.00 0.06
M	-Y	0.11	3025 C	0.00 0.11
Y	-I	0.11	167 C	0.00 0.11
H	-L	0.28	2418 T	0.16 0.12
L	-G	0.40	4355 T	0.29 0.11
F	-K	0.04	167 T	0.01 0.03
K	-J	0.39	2112 T	0.14 0.25
J	-E	0.78	2112 T	0.14 0.64
-----Chord-Webs-----				
I	-H	0.17	67 C	0.00 0.17
H	-S	0.03	698 C	0.03 0.00
F	-G	0.17	115 T	0.00 0.17
G	-U	0.03	409 T	0.03 0.00
-----Webs-----				
P	-Q	0.01	163 T	
Q	-O	0.03	496 C	
O	-B	0.03	492 C	
O	-C	0.11	1251 T	
C	-M	0.06	1154 C	
M	-R	0.01	283 C	
M	-Z	0.14	1576 T	
Y	-Z	0.13	2575 C	
Z	-H	0.15	1662 T	
Y	-H	0.15	3188 C	
H	-T	0.37	4807 C	
L	-T	0.10	1118 T	
L	-U	0.16	2116 C	
G	-D	0.13	1459 T	
G	-K	0.27	2983 T	
K	-D	0.02	388 T	
K	-V	0.09	1071 T	
J	-V	0.03	757 C	

LL Defl -0.09" in F -G L/999
TL Defl -0.17" in F -G L/999
Shear // Grain in J -E 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.

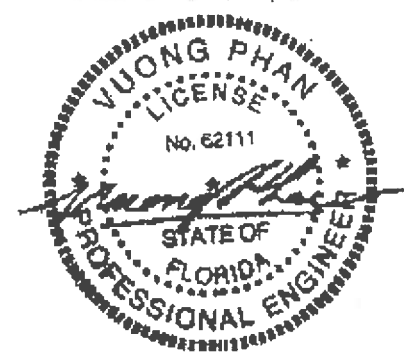
Plate	- LOCK	20 Ga,	Gross Area
Plate	- RHS	20 Ga,	Gross Area
Jt Type	Plt Size	X	Y JSI
A	LOCK	4.0x 8.0	Ctr Ctr 0.83
A	LOCK	3.0x 9.0	Ctr Ctr 0.80
Q	LOCK	3.0x 7.0	Ctr Ctr 0.44
B	LOCK	6.0x 6.0	Ctr-0.5 0.75
C	LOCK	7.0x 6.0	0.5 Ctr 0.81
R	LOCK	2.0x 4.0	Ctr Ctr 0.54
Z	LOCK	4.0x 8.0	Ctr Ctr 0.47
S	LOCK	2.0x 4.0	Ctr Ctr 0.20
T	LOCK	7.0x 8.0	Ctr 0.8 0.71

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)-----

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
BEACH	A21	1*2P	SP	500000	5	0	0	T05121429
U# J#BEACH BEACH RESIDENCE								

	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	1	12	24	0
WB	1	4	4	

Plus clusters of nails where shown.

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: 130 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

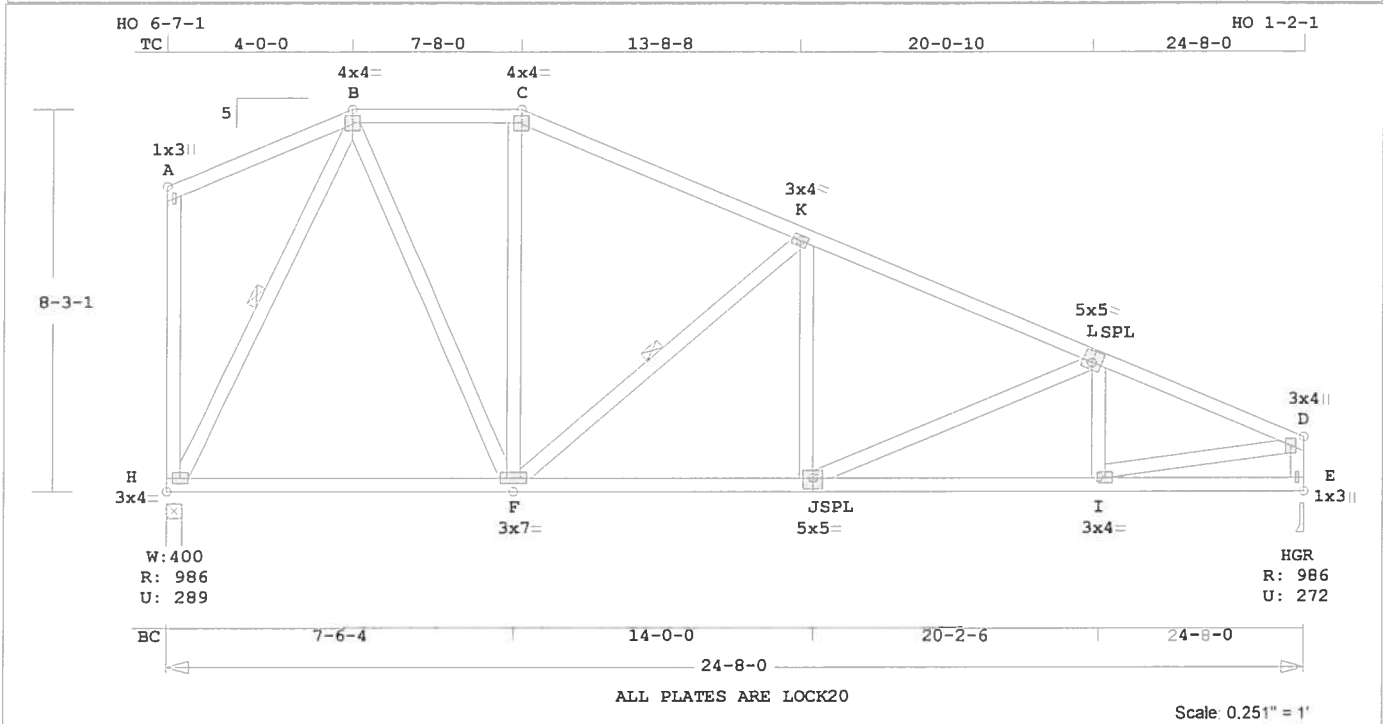
BC Dead Load : 5.0 psf

Max comp. force 4807 Lbs

Quality Control Factor 1.25

Job BEACH	Mark A22	Quan 1	Type HIPP	Span 240800	Pl-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 205.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.42 2x 4 SP-#2
BC 0.43 2x 4 SP-#2
WB 0.25 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 24- 8- 0
BC Cont. 0- 0- 0 24- 8- 0
WB 1 rows CLB on H -B
WB 1 rows CLB on F -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	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
H	987	290	4- 0	1- 3
			Hz =	-360
E	987	273	3- 8	1- 3
			Hz =	178

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.23 145 T 0.00 0.23
B -C 0.21 650 C 0.00 0.21
C -K 0.42 716 C 0.00 0.42
K -L 0.42 1232 C 0.00 0.42
L -D 0.28 1439 C 0.01 0.27

Bottom Chords					
H -F	0.35	394 T	0.03	0.32	
F -J	0.43	1142 T	0.11	0.32	
J -I	0.32	1340 T	0.22	0.10	
I -E	0.17	168 T	0.00	0.17	
Webs					
H -A	0.19	132 C	WindLd		
H -B	0.23	884 C		1 Br	
B -F	0.13	614 T			
F -C	0.02	135 T			
F -K	0.15	644 C		1 Br	
J -K	0.04	307 T			
J -L	0.12	216 C			
I -L	0.02	173 C			
I -D	0.25	1371 T			
E -D	0.08	950 C	WindLd		

LL Defl -0.09" in H -F L/999
TL Defl -0.19" in H -F L/999
Shear // Grain in C -K 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.

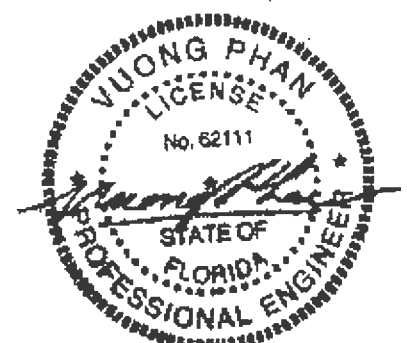
Plate	Type	Plt Size	X	Y	JSI
A LOCK	1.0x 3.0	Ctr	Ctr	0.75	
B LOCK	4.0x 4.0	Ctr	Ctr	0.94	
C LOCK	4.0x 4.0	Ctr	Ctr	0.94	
K LOCK	3.0x 4.0	Ctr	Ctr	0.61	
L LOCK	5.0x 5.0	0.2	0.5	0.62	
D LOCK	3.0x 4.0	Ctr	Ctr	0.95	
H LOCK	3.0x 4.0	Ctr	Ctr	0.75	
F LOCK	3.0x 7.0	Ctr	Ctr	0.51	
J LOCK	5.0x 5.0	Ctr	-0.5	0.63	
I LOCK	3.0x 4.0	Ctr	Ctr	0.82	
E LOCK	1.0x 3.0	Ctr	Ctr	0.81	

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

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

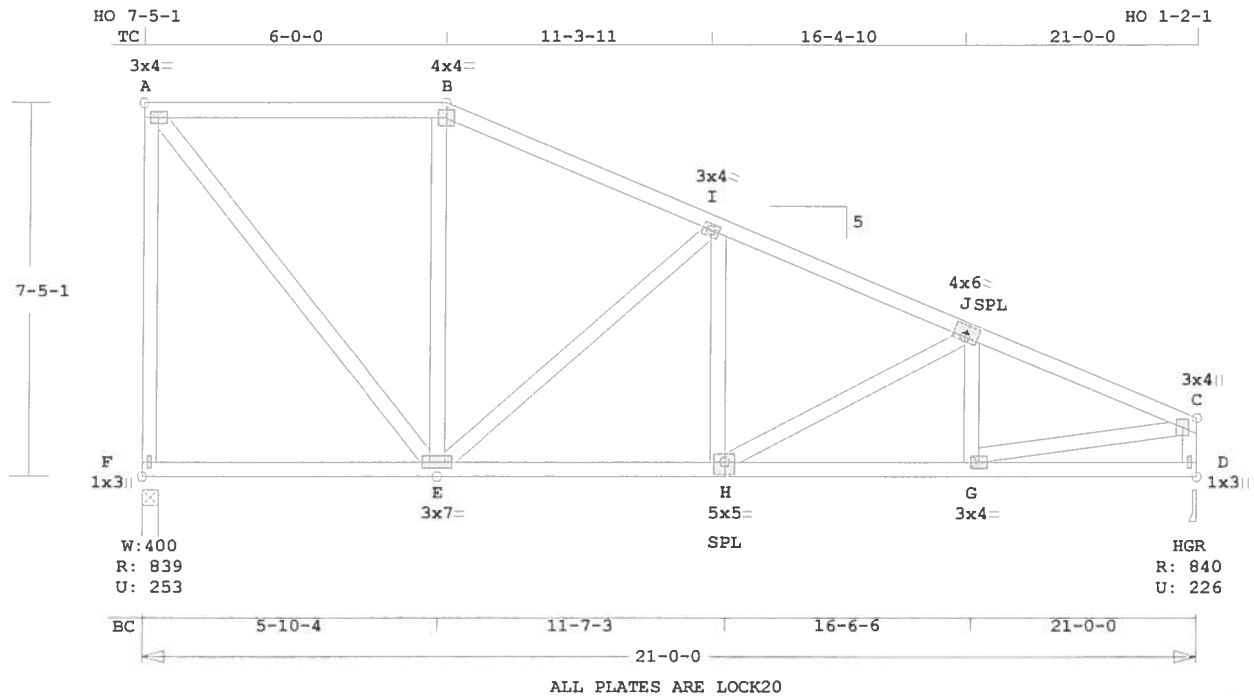
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Provide connection to bearing
for 361 Lbs Horiz Reaction
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean 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 1439 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
BEACH	A23	1	HHIP	210000	5	0	0	T05121429

U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 170.1 LBS

ADDITIONAL SPECIFICATIONS.

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber-----
TC 0.35 2x 4 SP-#2
BC 0.30 2x 4 SP-#2
WB 0.50 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	21- 0- 0
BC Cont.	0- 0- 0	21- 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	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
F	840	253	4- 0	1- 0
			Hz =	-360
D	840	226	3- 8	1- 0
			Hz =	150

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

A -B	0.35	505	C	0.00	0.35
B -I	0.26	550	C	0.00	0.26
I -J	0.26	989	C	0.00	0.26
J -C	0.20	1171	C	0.00	0.20

-----Bottom Chords-----
F -E 0.21 263 T 0.00 0.21
E -H 0.30 915 T 0.09 0.21

H -G	0.25	1090	T	0.18	0.07
G -D	0.12	140	T	0.00	0.12

-----Webs-----
F -A 0.50 791 C WindLd
A -E 0.24 808 T
E -B 0.09 158 T
E -I 0.36 542 C
H -I 0.04 278 T
H -J 0.08 198 C
G -J 0.01 135 C
G -C 0.20 1115 T
D -C 0.07 800 C WindLd

LL Defl -0.03" in F -E L/999
TL Defl -0.07" in F -E L/999
Shear // Grain in A -B 0.23

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	0.70
B	LOCK	4.0x	4.0	Ctr	Ctr	0.87
I	LOCK	3.0x	4.0	Ctr	Ctr	0.57
J	LOCK	4.0x	6.0	0.4	1.0	0.57
C	LOCK	3.0x	4.0	Ctr	Ctr	0.77
F	LOCK	1.0x	3.0	Ctr	Ctr	0.81
E	LOCK	3.0x	7.0	Ctr	Ctr	0.60
H	LOCK	5.0x	5.0	Ctr	0.5	0.58
G	LOCK	3.0x	4.0	Ctr	Ctr	0.70
D	LOCK	1.0x	3.0	Ctr	Ctr	0.81

REVIEWED BY:

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

Provide connection to bearing
for 361 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: 130 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

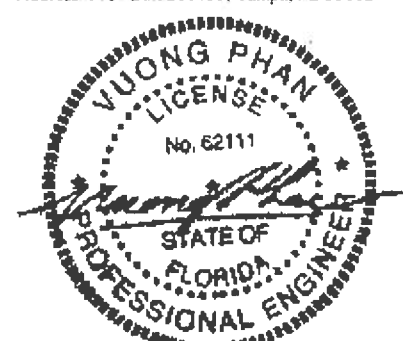
TC Dead Load: 5.0 psf

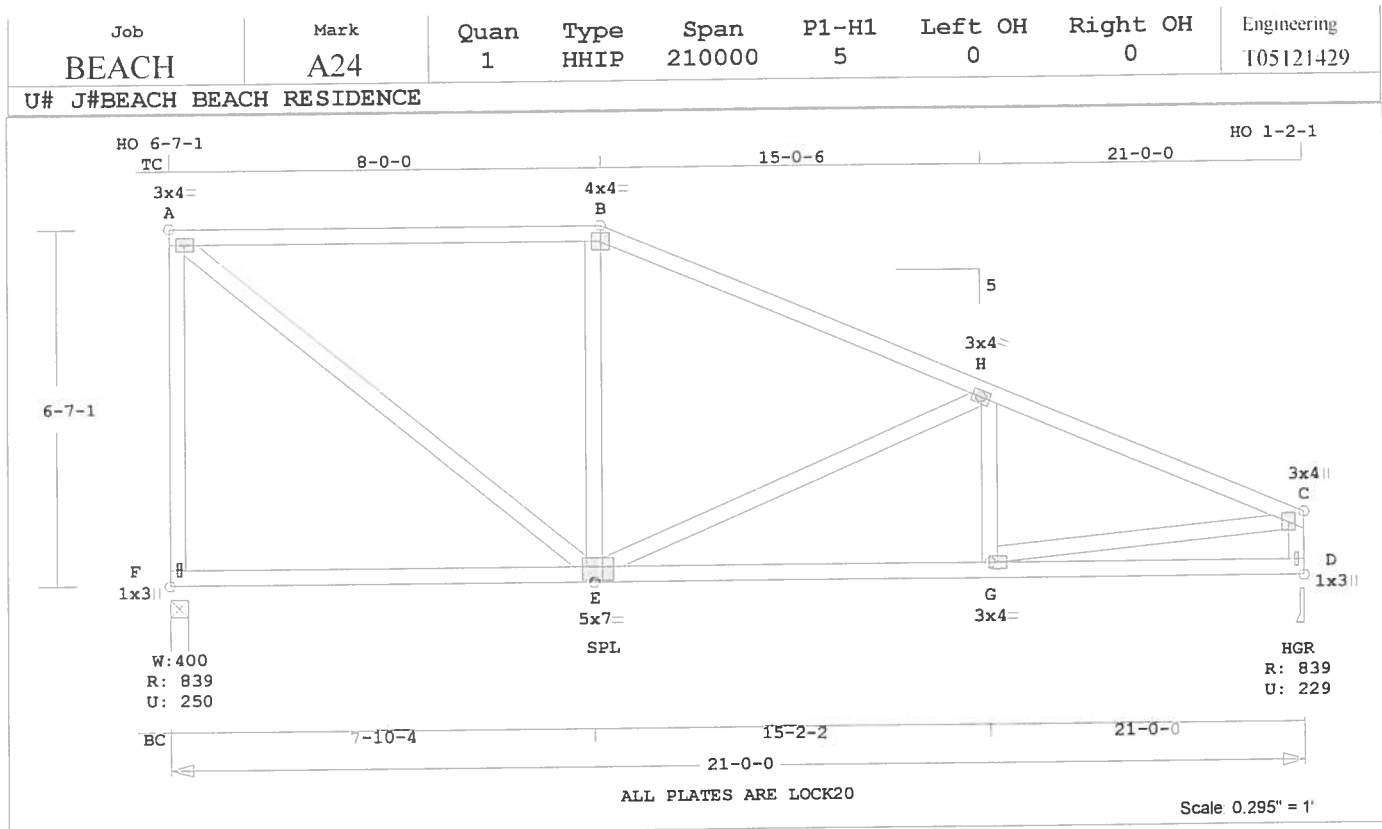
BC Dead Load: 5.0 psf

Max comp. force 1171 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: 154.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber----
TC 0.68 2x 4 SP-#2
BC 0.49 2x 4 SP-#2
WB 0.38 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	21- 0- 0
BC Cont.	0- 0- 0	21- 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
F	840	251	4- 0	1- 0
			Hz =	-318
D	840	229	3- 8	1- 0
			Hz =	133

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.68		690 C	0.01	0.67
B -H	0.44		750 C	0.00	0.44
H -C	0.44		1206 C	0.00	0.44
-----Bottom Chords-----					
F -E	0.38		230 T	0.00	0.38
E -G	0.49		1129 T	0.11	0.38
G -D	0.22		123 T	0.00	0.22
-----Webs-----					

F -A	0.38	775 C	WindLd
A -E	0.32	891 T	
E -B	0.09	193 C	
E -H	0.38	480 C	
G -H	0.02	133 T	
G -C	0.21	1144 T	
D -C	0.07	791 C	WindLd

LL Defl -0.10" in F -E L/999
TL Defl -0.21" in F -E L/999
Shear // Grain in A -B 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 0.70
B LOCK 4.0x 4.0 Ctr Ctr 0.87
H LOCK 3.0x 4.0 Ctr Ctr 0.57
C LOCK 3.0x 4.0 Ctr Ctr 0.81
F LOCK 1.0x 3.0 Ctr Ctr 0.81
E LOCK 5.0x 7.0-1.0-0.5 0.82
G LOCK 3.0x 4.0 Ctr Ctr 0.70
D LOCK 1.0x 3.0 Ctr Ctr 0.81

REVIEWED BY:

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

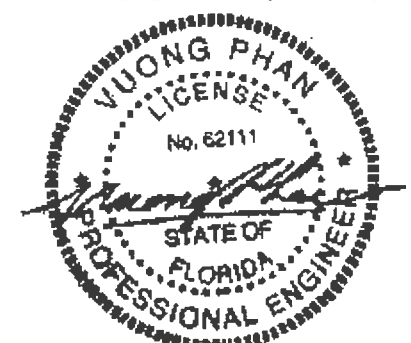
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Provide connection to bearing

for 319 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: 130 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 1206 Lbs
Quality Control Factor 1.25

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

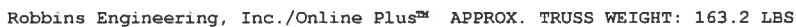


U# J#BEACH BEACH RESIDENCE



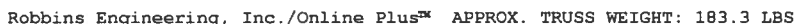
CONCLUSIONS

U# J#BEACH BEACH RESIDENCE



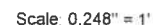
A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No. 62111" is printed. A signature, presumably of Vuong Phan, is written across the seal in cursive script.

U# J#BEACH BEACH RESIDENCE



A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No. 62111" is printed. A handwritten signature, "Vuong Phan", is written across the seal, crossing over the "STATE OF FLORIDA" text.

U# J#BEACH BEACH RESIDENCE



ADDITIONAL SPECIFICATIONS.

F -E	0.15	149 T	0.00	0.15
E -C	0.09	105 T	0.00	0.09

		Webs	
D	-A	0.07	848 C
A	-H	0.22	1225 T
H	-I	0.01	123 T
I	-G	0.20	329 C
G	-B	0.06	438 T
G	-J	0.14	234 C
F	-J	0.02	165 C
F	-K	0.22	1234 T
E	-K	0.09	982 C

NOTES:

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

```
LL Defl -0.04" in G -F L/999
TL Defl -0.10" in G -F L/999
LL Cant 0.00" in E -C L/999
Shear // Grain in I -B 0.23
```

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
I	LOCK	3.0x	4.0	Ctr	Ctr	0.61
B	LOCK	4.0x	4.0	Ctr	Ctr	0.72
J	LOCK	3.0x	4.0	Ctr	Ctr	0.61
K	LOCK	3.0x	4.0	Ctr	Ctr	0.63
C	LOCK	3.0x	4.0	Ctr	Ctr	0.87
D	LOCK	1.0x	3.0	Ctr	Ctr	0.81
H	LOCK	3.0x	4.0	Ctr	Ctr	0.76
G	LOCK	5.0x	7.0	Ctr	-0.5	0.63
F	LOCK	3.0x	4.0	Ctr	Ctr	0.76
E	LOCK	1.0x	3.0	Ctr	Ctr	0.81

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

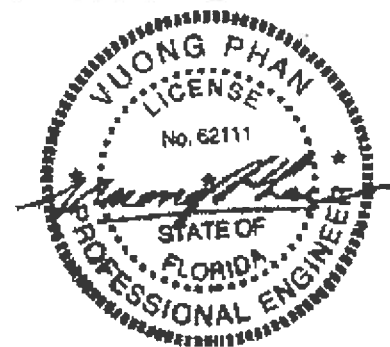
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

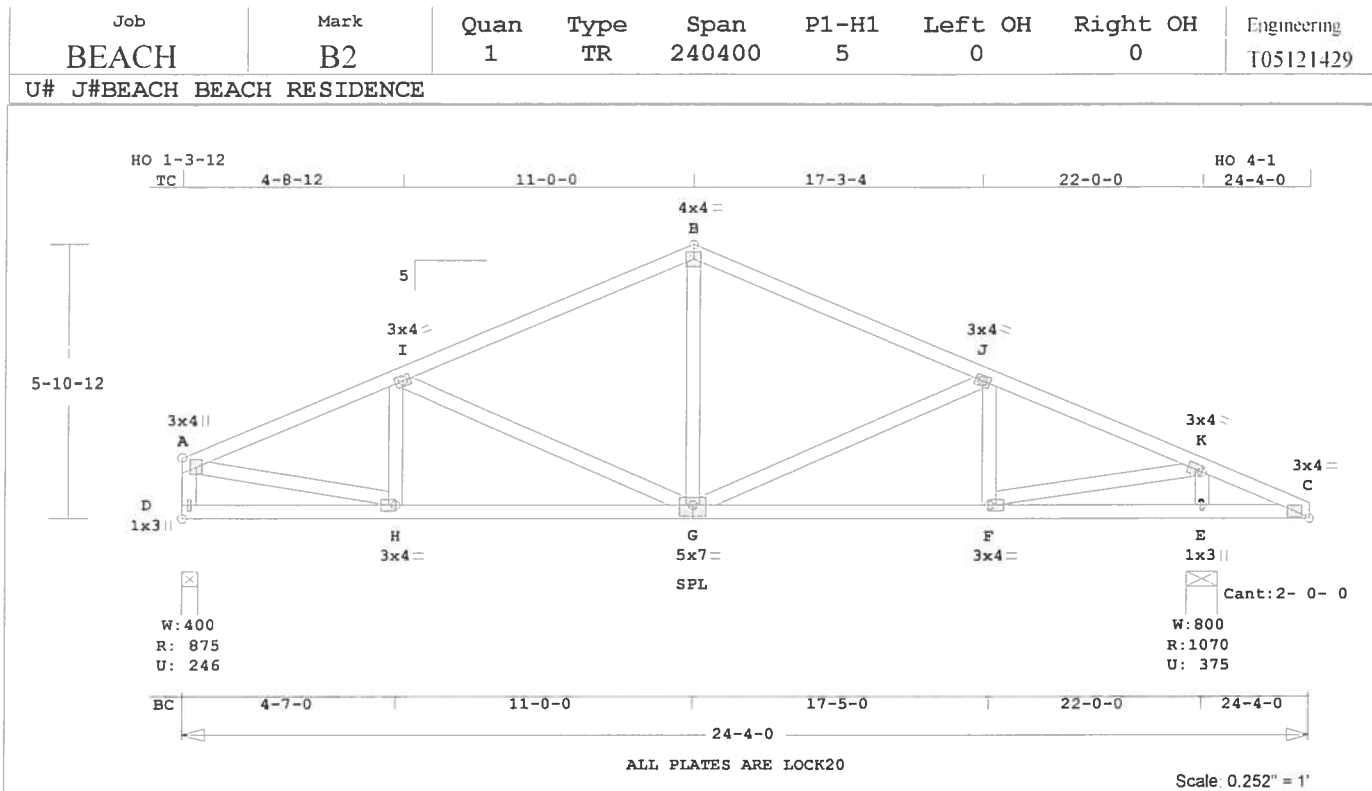
```

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: 130 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 1288 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: 160.7 LBS

ADDITIONAL SPECIFICATIONS.

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.32 2x 4 SP-#2
BC 0.35 2x 4 SP-#2
WB 0.22 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	24- 4- 0
BC Cont.	0- 0- 0	24- 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
D	876	247	4- 0	1- 1
E	1071	376	8- 0	1- 3
			Hz =	129

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----					
A -I	0.32	1199	C	0.00	0.32
I -B	0.32	953	C	0.00	0.32
B -J	0.30	952	C	0.00	0.30
J -K	0.30	1179	C	0.00	0.30
K -C	0.15	113	T	0.02	0.13
-----Bottom Chords-----					
D -H	0.16	138	T	0.00	0.16
H -G	0.35	1121	T	0.11	0.24
G -F	0.35	1096	T	0.11	0.24

F -E	0.15	149	T	0.00	0.15
E -C	0.09	106	T	0.00	0.09
-----Webs-----					
D -A	0.07	838	C	WindLd	
A -H	0.21	1153	T		
H -I	0.02	157	C		
I -G	0.16	267	C		
G -B	0.06	422	T		
G -J	0.14	240	C		
F -J	0.02	161	C		
F -K	0.22	1213	T		
E -K	0.09	969	C		

LL Defl -0.04" in G -F L/999
TL Defl -0.10" in G -F L/999
LL Cant 0.00" in E -C L/999
Shear // Grain in I -B 0.23

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	0.78
I LOCK	3.0x 4.0	Ctr	Ctr	0.61
B LOCK	4.0x 4.0	Ctr	Ctr	0.71
J LOCK	3.0x 4.0	Ctr	Ctr	0.61
K LOCK	3.0x 4.0	Ctr	Ctr	0.62
C LOCK	3.0x 4.0	Ctr	Ctr	0.87
D LOCK	1.0x 3.0	Ctr	Ctr	0.81
H LOCK	3.0x 4.0	Ctr	Ctr	0.76
G LOCK	5.0x 7.0	Ctr	0.5	0.62
F LOCK	3.0x 4.0	Ctr	Ctr	0.75
E LOCK	1.0x 3.0	Ctr	Ctr	0.81

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: 130 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

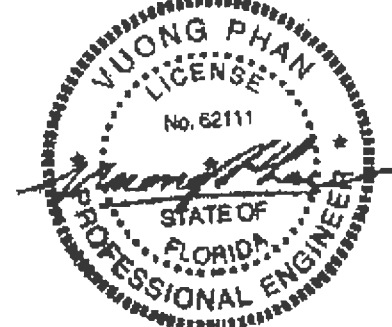
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

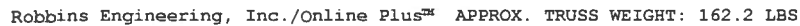
Max comp. force 1199 Lbs

Quality Control Factor 1.25

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



U# J#BEACH BEACH RESIDENCE



ADDITIONAL SPECIFICATIONS.

F	-E	0.15	149	T	0.00	0.15
E	-C	0.09	105	T	0.00	0.09

NOTES :

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

Mean Roof Height: 15-0
Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed
Zone location: Exterior

TC Dead Load : 5.6

BC Dead Load : 5.0 psf

Max comp. force 1288 Lbs

Quality Control Factor 1.25

-----Webs-----				
D	-A	0.07	848	C WindLd
A	-H	0.22	1225	T
H	-I	0.01	123	T
I	-G	0.20	329	C
G	-B	0.06	438	T
G	-J	0.14	234	C
F	-J	0.02	165	C
F	-K	0.22	1234	T
E	-K	0.09	982	C

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	24- 8- 0
BC Cont.	0- 0- 0	24- 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=1.15	
BC Fb=1.10	Fc=1.10	Ft=1.10	

```
LL Defl -0.04" in G -F L/999
TL Defl -0.10" in G -F L/999
LL Cant 0.00" in E -C L/999
Shear // Grain in I -B 0.23
```

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

```
I  LOCK  3.0x 4.0 Ctr Ctr 0.61
```

B LOCK 4.0x 4.0 Ctr Ctr 0.72

J LOCK 3.0x 4.0 Ctr Ctr 0.61

K LOCK 3.0x 4.0 Ctr Ctr 0.63

C LOCK 3.0x 4.0 Ctr Ctr 0.87

D LOCK 1.0x 3.0 Ctr Ctr 0.81

H LOCK 3.0x 4.0 Ctr Ctr 0.76

G LOCK 5.0x 7.0 Ctr-0.5 0.63

F LOCK 3.0x 4.0 Ctr Ctr 0.76

E LOCK 1.0x 3.0 Ctr Ctr 0.81

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
D	889	250	8- 0	1- 1
			Hz =	-154
E	1084	380	8- 0	1- 4
			Hz =	130

```

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

```

Top chords					
A	-I	0.35	1288	C	0.01 0.34
I	-B	0.34	981	C	0.00 0.34
B	-J	0.30	980	C	0.00 0.30
J	-K	0.30	1202	C	0.00 0.30
K	-C	0.16	113	T	0.02 0.14

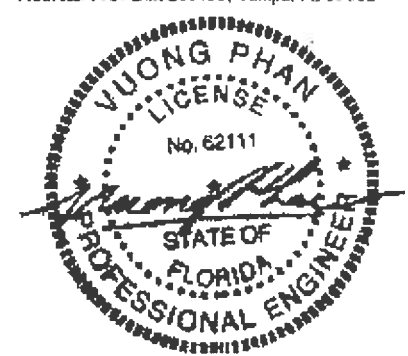
		0.18	115	1	0.02	0.14
-----Bottom Chords-----						
D	-H	0.17	138	T	0.00	0.17
H	-G	0.35	1203	T	0.20	0.15
G	-F	0.34	1116	T	0.11	0.23

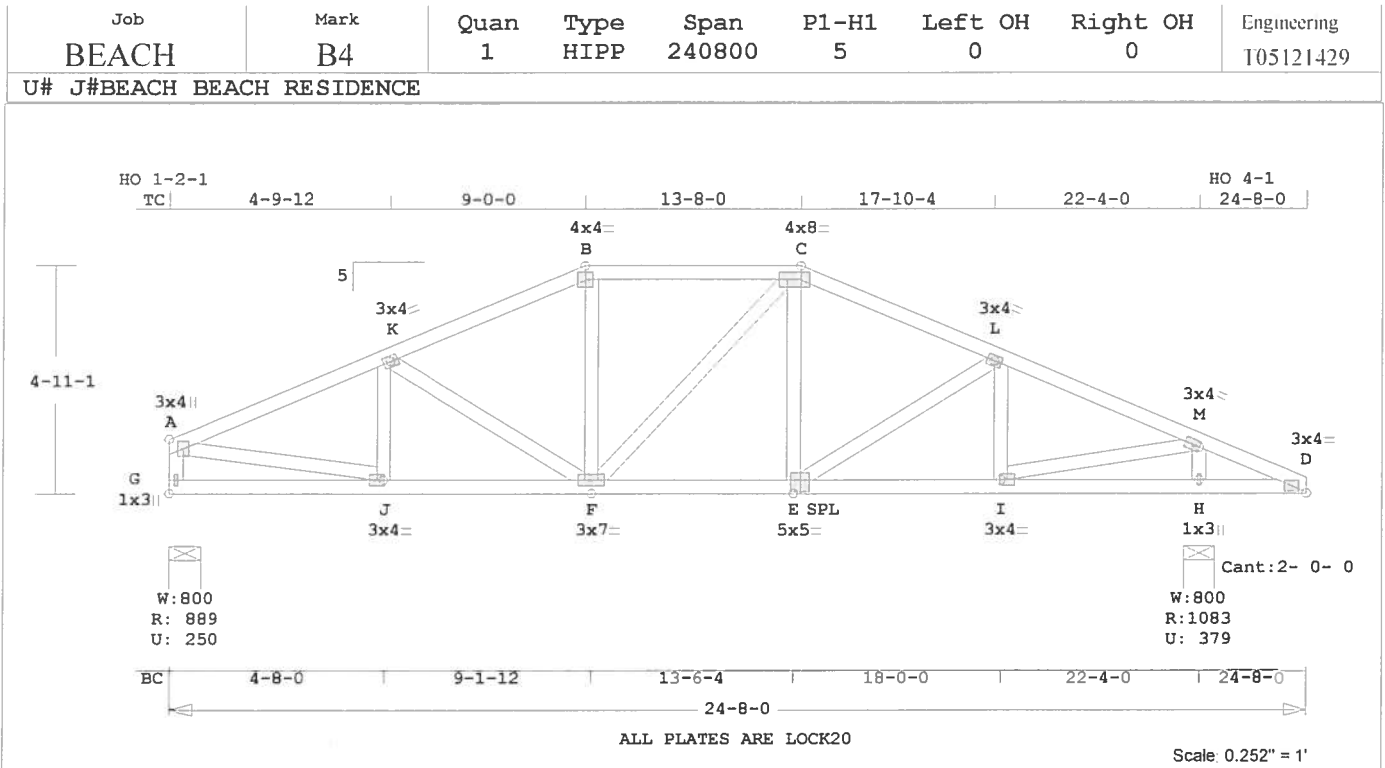
REVIEWED BY:

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

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





Robbins Engineering, Inc./Online PlusTM APPROX. TRUSS WEIGHT: 171.3 LBS

Tampa, FL 33682

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber-----
TC 0.21 2x 4 SP-#2
BC 0.24 2x 4 SP-#2
WB 0.22 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 24- 8- 0
BC Cont. 0- 0- 0 24- 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
G	889	250	8- 0	1- 1
			Hz = -130	
H	1084	380	8- 0	1- 4
			Hz = 106	

Membr	CSI	P Lbs	Axl	CSI	Bnd
-----Top Chords-----					
A -K	0.21	1256 C	0.01	0.20	
K -B	0.19	1112 C	0.00	0.19	
B -C	0.18	1023 C	0.00	0.18	
C -L	0.14	1093 C	0.00	0.14	
L -M	0.17	1161 C	0.01	0.16	
M -D	0.18	99 T	0.02	0.16	
-----Bottom Chords-----					
G -J	0.11	114 T	0.00	0.11	
J -F	0.24	1168 T	0.19	0.05	
F -E	0.21	1006 T	0.16	0.05	

E -I	0.22	1071 T	0.17	0.05
I -H	0.10	136 T	0.00	0.10
H -D	0.10	99 T	0.00	0.10
-----Webs-----				
G -A	0.07	847 C	WindLd	
A -J	0.22	1192 T		
J -K	0.01	144 C		
K -F	0.05	171 C		
F -B	0.03	224 T		
F -C	0.03	82 T		
E -C	0.03	205 T		
E -L	0.03	90 C		
I -L	0.02	189 C		
I -M	0.21	1174 T		
H -M	0.09	982 C		

LL Defl -0.04" in F -E L/999
TL Defl -0.08" in F -E L/999
LL Cant 0.00" in H -D L/999
Shear // Grain in A -K 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	Type	Plt	Size	X	Y	JSI
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	0.83	
K LOCK	3.0x	4.0	Ctr	Ctr	0.61	
B LOCK	4.0x	4.0	Ctr	Ctr	0.94	
C LOCK	4.0x	8.0	Ctr	Ctr	0.94	
L LOCK	3.0x	4.0	Ctr	Ctr	0.61	
M LOCK	3.0x	4.0	Ctr	Ctr	0.61	
D LOCK	3.0x	4.0	Ctr	Ctr	0.87	
G LOCK	1.0x	3.0	Ctr	Ctr	0.81	
J LOCK	3.0x	4.0	Ctr	Ctr	0.76	
F LOCK	3.0x	7.0	Ctr	Ctr	0.51	
E LOCK	5.0x	5.0	Ctr	-0.5	0.63	
I LOCK	3.0x	4.0	Ctr	Ctr	0.76	
H LOCK	1.0x	3.0	Ctr	Ctr	0.81	

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

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: 130 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

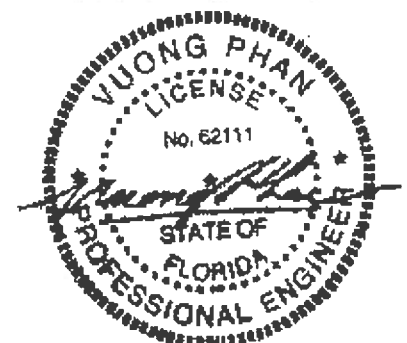
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 1256 Lbs

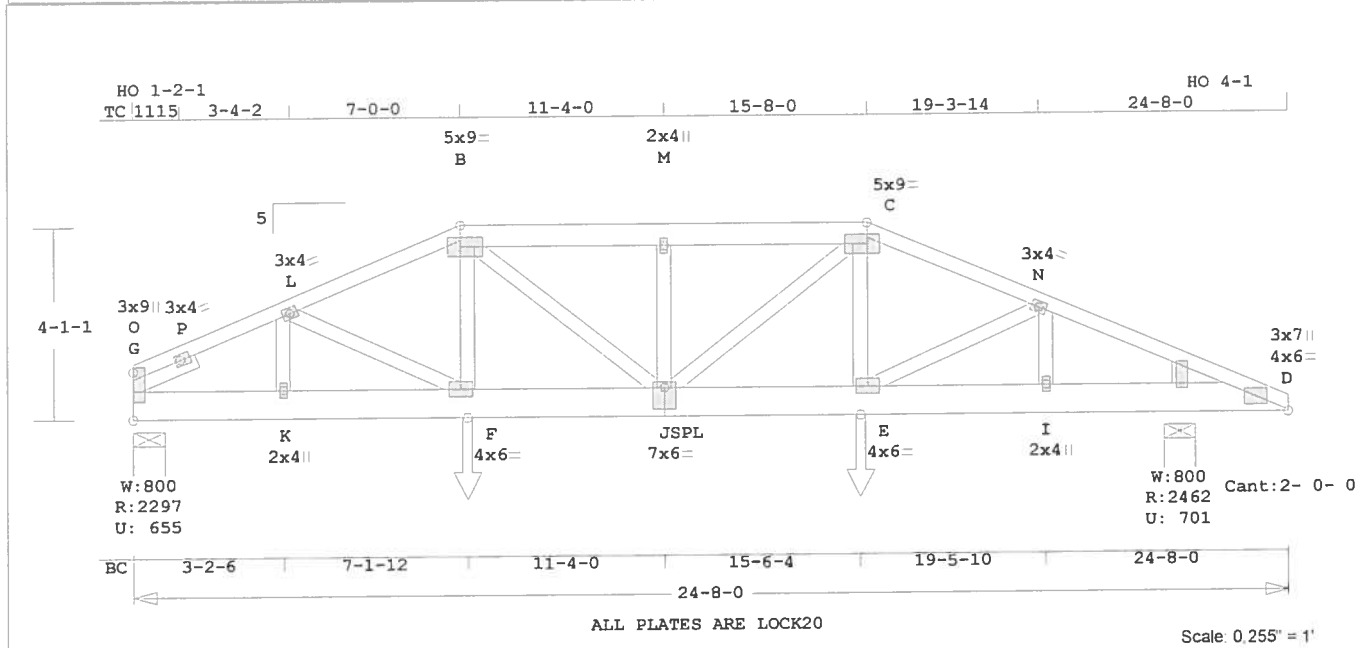
Quality Control Factor 1.25

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



Job BEACH	Mark B5	Quan 1*2P	Type HIPP	Span 240800	P1-H1 5	Left OH 0	Right OH 0	Engineering 105121429
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U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 214.0 LBS

ADDITIONAL SPECIFICATIONS.

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

* 2-Ply Truss *

CSI -Size- ----Lumber-----
TC 0.40 2x 4 SP-#2
EX B -C 2x 6 SP-#2
BC 0.60 2x 8 SP-#2
WB 0.09 2x 4 SP-#2
SL 0.06 2x 4 SP-#2
WG --- 2x 6 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 24- 8- 0
BC Cont. 0- 0- 0 24- 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' 24.7'
BC V 0 20 0.0' 24.7'
TC V 50 25 7.0' 15.7'
BC V 0 25 7.0' 15.7'
BC V 480 480 15.5' CL-LB
BC V 480 480 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
G 2298 656 8- 0 1- 6
Hz = -79
D 2462 702 8- 0 1- 6
Hz = 78

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
O -P 0.38 2062 C 0.00 0.38
P -L 0.40 3293 C 0.02 0.38
L -B 0.28 4178 C 0.03 0.25
B -M 0.16 4571 C 0.01 0.15

M -C 0.16 4571 C 0.01 0.15
C -N 0.28 4176 C 0.03 0.25
N -D 0.37 3245 C 0.02 0.35
-----Bottom Chords-----
O -K 0.58 2945 T 0.16 0.42
K -F 0.34 2945 T 0.16 0.18
F -J 0.26 3880 T 0.21 0.05
J -E 0.26 3872 T 0.21 0.05
E -I 0.35 2933 T 0.16 0.19
I -D 0.60 2933 T 0.16 0.44
-----Webs-----
K -L 0.03 679 C
L -F 0.09 1075 T
F -B 0.05 769 T
B -J 0.08 889 T
J -M 0.03 790 C
J -C 0.08 899 T
E -C 0.05 778 T
E -N 0.09 1079 T
I -N 0.03 808 C
-----Sliders-----
O -P 0.06 1430 C

LL Defl -0.07" in F -J L/999
TL Defl -0.14" in F -J L/999
Shear // Grain in I -D 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
O LOCK 3.0x 9.0 1.5 0.3 0.89
P LOCK 3.0x 4.0 Ctr Ctr 0.50
L LOCK 3.0x 4.0 Ctr Ctr 0.61
B LOCK 5.0x 9.0-0.5 Ctr 0.95
M LOCK 2.0x 4.0 Ctr Ctr 0.38
C LOCK 5.0x 9.0 0.5 Ctr 0.95
N LOCK 3.0x 4.0 Ctr Ctr 0.61
D LOCK 4.0x 6.0 Ctr Ctr 0.74
D LOCK 3.0x 7.0 Ctr Ctr 0.00
K LOCK 2.0x 4.0 Ctr Ctr 0.38
F LOCK 4.0x 6.0 Ctr Ctr 0.38
J LOCK 7.0x 6.0 Ctr-2.0 0.59
E LOCK 4.0x 6.0 Ctr Ctr 0.38
I LOCK 2.0x 4.0 Ctr Ctr 0.38

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

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	4	4	0

Plus clusters of nails where
shown.

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: 130 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

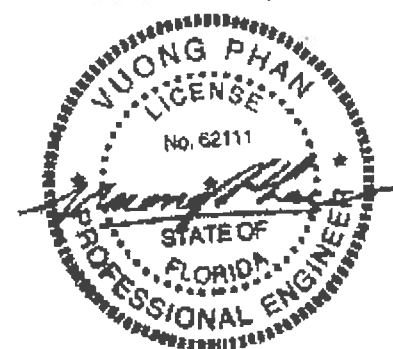
TC Dead Load : 5.0 psf

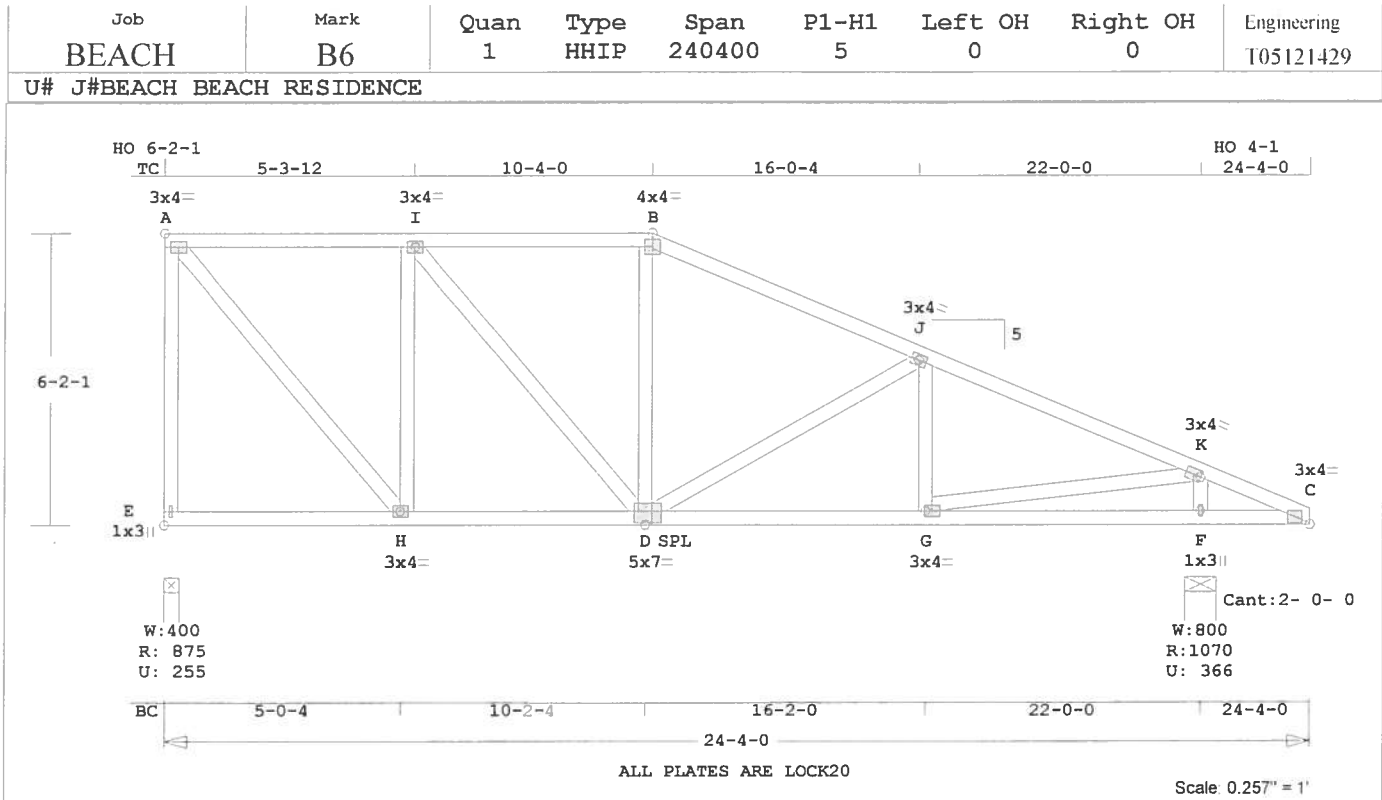
BC Dead Load : 5.0 psf

Max comp. force 4571 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: 184.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

	CSI	-Size-	-----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.29	2x 4	SP-#2
WB	0.36	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	24- 4- 0	
BC Cont.	0- 0- 0	24- 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
E	876	255	4- 0	1- 1
			Hz =	-290
F	1071	367	8- 0	1- 3
			Hz =	119

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -I	0.29		601 C	0.00	0.29
I -B	0.29		811 C	0.00	0.29
B -J	0.33		886 C	0.00	0.33
J -K	0.33		1197 C	0.00	0.33
K -C	0.26		79 C	0.01	0.25
-----Bottom Chords-----					
E -H	0.15		228 T	0.00	0.15
H -D	0.21		601 T	0.06	0.15

	D -G	0.29	1107 T	0.11	0.18
G -F	0.18	175 T	0.00	0.18	
F -C	0.16	77 T	0.00	0.16	

-----Webs-----				
E -A	0.36	831 C	WindLd	
A -H	0.19	925 T		
H -I	0.25	595 C		
I -D	0.06	323 T		
D -B	0.02	151 T		
B -J	0.19	341 C		
G -J	0.01	118 T		
G -K	0.20	1134 T		
F -K	0.09	959 C		

LL Defl -0.03" in D -G L/999
TL Defl -0.08" in D -G L/999
LL Cant 0.00" in F -C L/999
Shear // Grain in A -I 0.23

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 0.75
I	LOCK	3.0x 4.0	Ctr Ctr 0.56
B	LOCK	4.0x 4.0	Ctr Ctr 0.93
J	LOCK	3.0x 4.0	Ctr Ctr 0.61
K	LOCK	3.0x 4.0	Ctr Ctr 0.61
C	LOCK	3.0x 4.0	Ctr Ctr 0.87
E	LOCK	1.0x 3.0	Ctr Ctr 0.81
H	LOCK	3.0x 4.0	Ctr Ctr 0.60
D	LOCK	5.0x 7.0	1.0-0.5 0.62
G	LOCK	3.0x 4.0	Ctr Ctr 0.75
F	LOCK	1.0x 3.0	Ctr Ctr 0.82

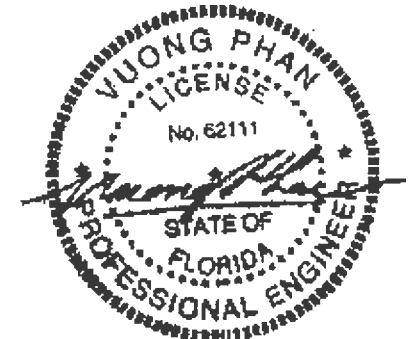
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

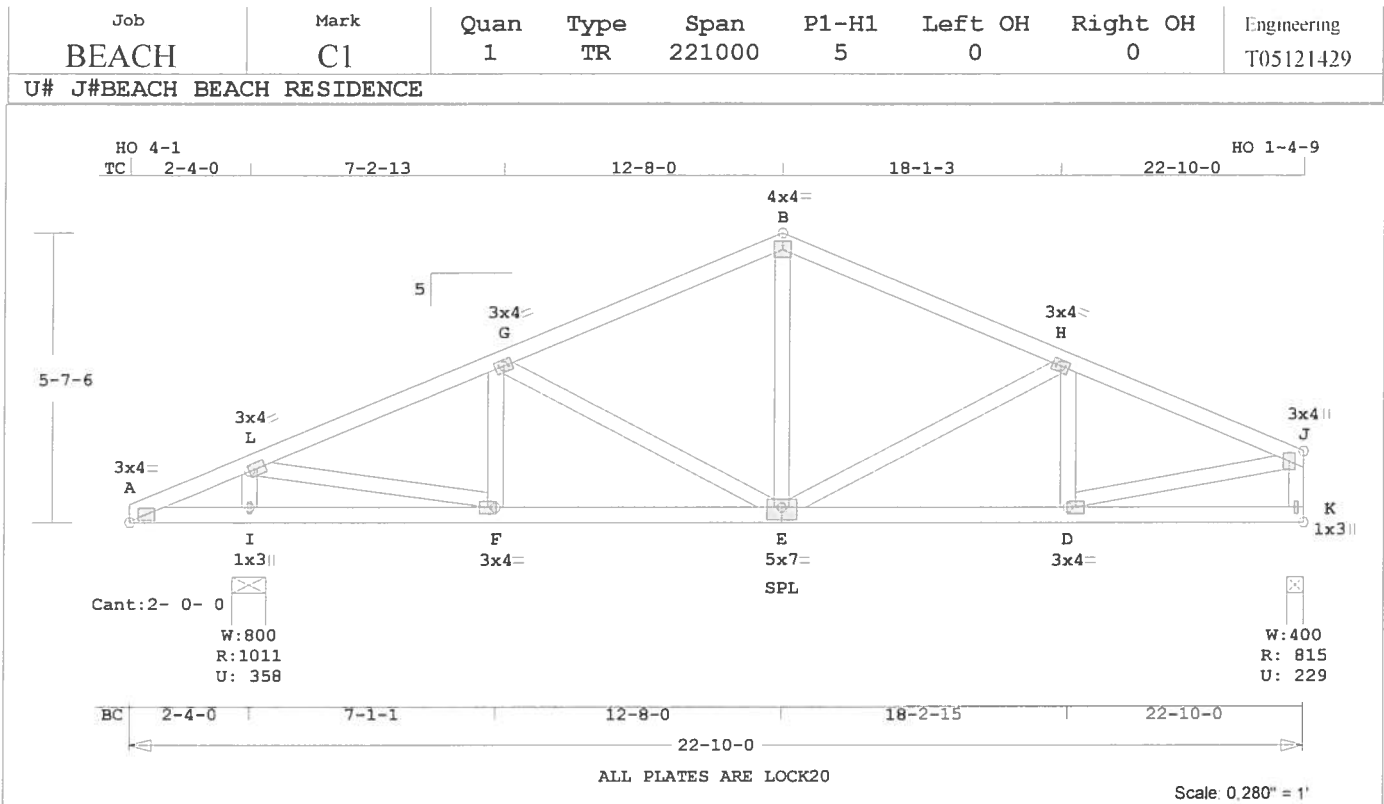
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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: 130 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 1197 Lbs
Quality Control Factor 1.25

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



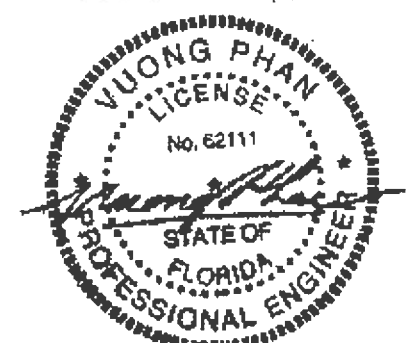


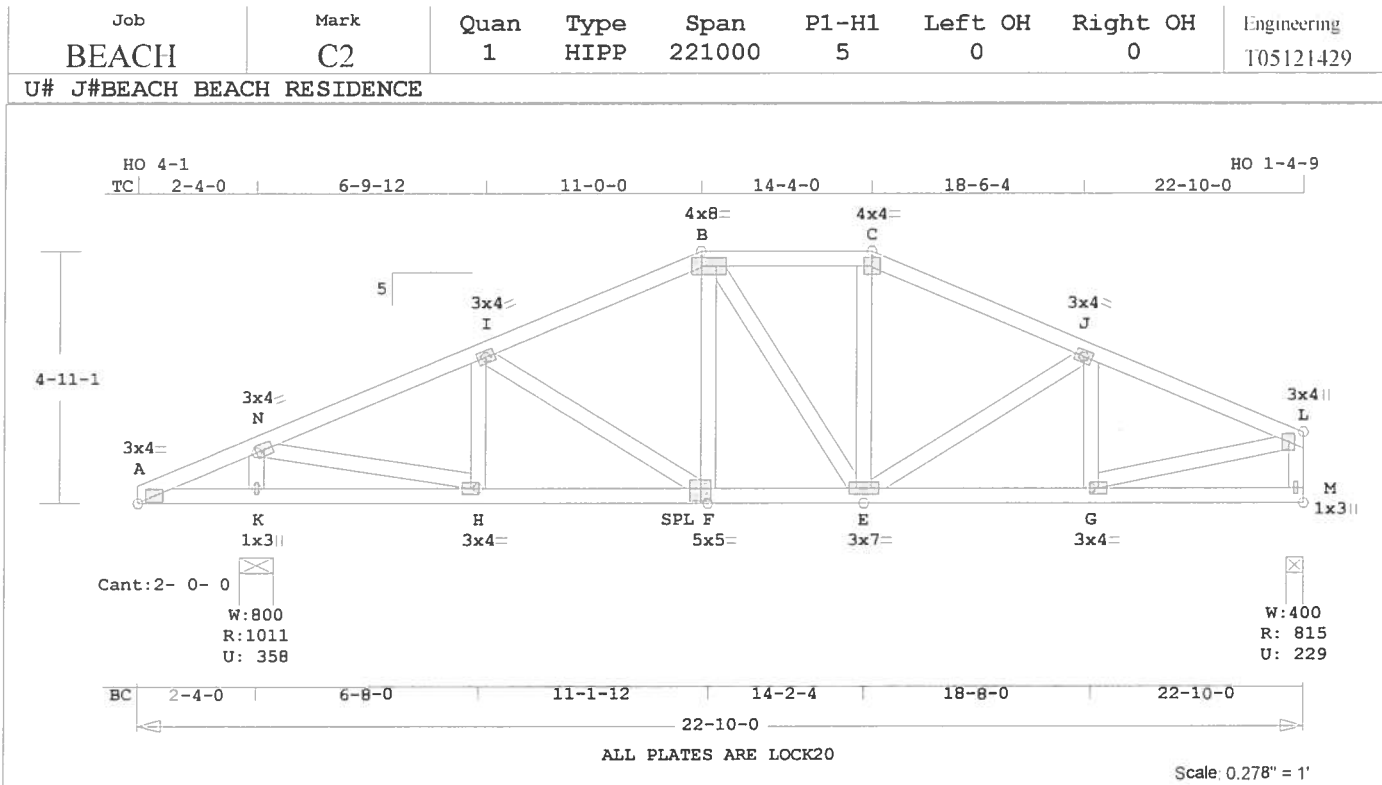
Robbins Engineering, Inc./Online Plus™				APPROX. TRUSS WEIGHT: 152.4 LBS			
Online Plus -- Version 18.0.020				F -E	0.27	992 T	0.10 0.17
RUN DATE: 14-DEC-05				E -D	0.27	992 T	0.10 0.17
				D -K	0.14	124 T	0.00 0.14
				-----Webs-----			
CSI -Size- ----Lumber----				I -L	0.08	908 C	
TC 0.27 2x 4 SP-#2				L -F	0.20	1087 T	
BC 0.27 2x 4 SP-#2				F -G	0.01	132 C	
WB 0.20 2x 4 SP-#2				G -E	0.11	228 C	
Brace truss as follows:				E -B	0.06	386 T	
O.C. From To				E -H	0.11	227 C	
TC Cont. 0- 0- 0 22-10- 0				D -H	0.02	149 C	
BC Cont. 0- 0- 0 22-10- 0				D -J	0.18	1024 T	
				K -J	0.07	775 C WindLd	
Loading Live Dead (psf)				LL Defl -0.03" in F -E L/999			
TC 20.0 10.0				TL Defl -0.07" in F -E L/999			
BC 0.0 10.0				LL Cant 0.00" in A -I L/999			
Total 20.0 20.0 40.0				Shear // Grain in G -B 0.20			
Spacing 24.0"				Plates for each ply each face.			
Lumber Duration Factor 1.25				PLATING CONFORMS TO TPI.			
Plate Duration Factor 1.25				REPORT: NER 691			
TC Fb=1.15 Fc=1.10 Ft=1.10				ROBBINS ENGINEERING, INC.			
BC Fb=1.10 Fc=1.10 Ft=1.10				BASED ON SP LUMBER			
Plus 6 Wind Load Case(s)				USING GROSS AREA TEST.			
Plus 1 UBC LL Load Case(s)				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			
				L LOCK 3.0x 4.0 Ctr Ctr 0.59			
				G LOCK 3.0x 4.0 Ctr Ctr 0.59			
				B LOCK 4.0x 4.0 Ctr Ctr 0.69			
				H LOCK 3.0x 4.0 Ctr Ctr 0.59			
				J LOCK 3.0x 4.0 Ctr Ctr 0.72			
				I LOCK 1.0x 3.0 Ctr Ctr 0.81			
				F LOCK 3.0x 4.0 Ctr Ctr 0.73			
				E LOCK 5.0x 7.0 Ctr-0.5 0.60			
				D LOCK 3.0x 4.0 Ctr Ctr 0.74			
				K LOCK 1.0x 3.0 Ctr Ctr 0.81			
Membr CSI P Lbs Axl-CSI-Bnd				REVIEWED BY:			
-----Top Chords-----				Robbins Engineering, Inc.			
A -L 0.18 97 T 0.01 0.17				PO Box 280055			
L -G 0.25 1071 C 0.00 0.25				Tampa, FL 33682			
G -B 0.25 860 C 0.00 0.25							
B -H 0.27 861 C 0.00 0.27							
H -J 0.27 1062 C 0.00 0.27							
-----Bottom Chords-----							
A -I 0.11 99 T 0.00 0.11							
I -F 0.12 164 T 0.00 0.12							

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: 130 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 1071 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: 162.3 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber----
TC 0.18 2x 4 SP-#2
BC 0.21 2x 4 SP-#2
WB 0.19 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 22-10- 0
BC Cont. 0- 0- 0 22-10- 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
K	1011	359	8- 0	1- 2
			Hx =	-118
M	815	229	4- 0	1- 0
			Hx =	120

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A -N	0.18	105	T	0.02	0.16	
N -I	0.16	1044	C	0.00	0.16	
I -B	0.16	941	C	0.00	0.16	
B -C	0.06	863	C	0.00	0.06	
C -J	0.18	940	C	0.00	0.18	
J -L	0.18	1034	C	0.00	0.18	
-----Bottom Chords-----						
A -K	0.10	101	T	0.00	0.10	
K -H	0.10	147	T	0.00	0.10	
H -F	0.21	963	T	0.16	0.05	

F -E	0.18	863	T	0.14	0.04
E -G	0.21	964	T	0.16	0.05
G -M	0.10	108	T	0.00	0.10
-----Webs-----					
K -N	0.08	912	C		
N -H	0.19	1070	T		
H -I	0.02	162	C		
I -F	0.03	115	C		
F -B	0.02	190	T		
B -E	0.02	73	C		
E -C	0.02	188	T		
E -J	0.04	119	C		
G -J	0.02	180	C		
G -L	0.18	1001	T		
M -L	0.07	778	C	WindLd	

LL Defl -0.03" in H -F L/999
TL Defl -0.06" in H -F L/999
LL Cant 0.00" in A -K L/999
Shear // Grain in J -L 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

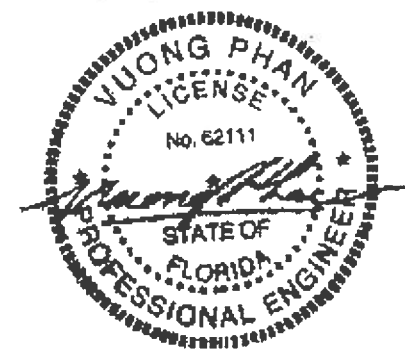
Jt	Type	Plt	Size	X	Y	JSI
A	LOCK	3.0x	4.0	Ctr	Ctr	0.84
N	LOCK	3.0x	4.0	Ctr	Ctr	0.59
I	LOCK	3.0x	4.0	Ctr	Ctr	0.59
B	LOCK	4.0x	8.0	Ctr	Ctr	0.91
C	LOCK	4.0x	4.0	Ctr	Ctr	0.91
J	LOCK	3.0x	4.0	Ctr	Ctr	0.59
L	LOCK	3.0x	4.0	Ctr	Ctr	0.72
K	LOCK	1.0x	3.0	Ctr	Ctr	0.81
H	LOCK	3.0x	4.0	Ctr	Ctr	0.73
F	LOCK	5.0x	5.0	Ctr	-0.5	0.60
E	LOCK	3.0x	7.0	Ctr	Ctr	0.50
G	LOCK	3.0x	4.0	Ctr	Ctr	0.74
M	LOCK	1.0x	3.0	Ctr	Ctr	0.81

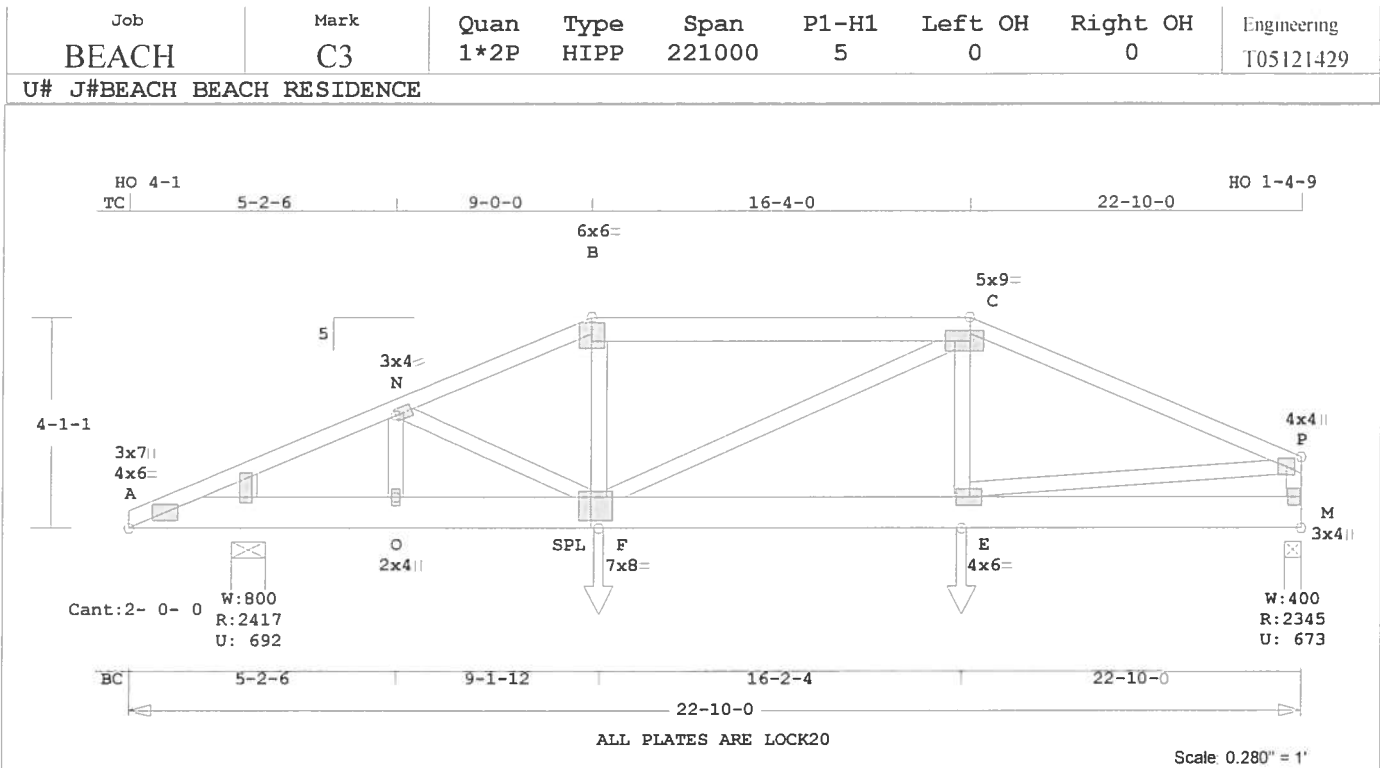
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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: 130 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 1044 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: 191.3 LBS

Online Plus -- Version 18.0.020

RUN DATE: 14-DEC-05

* 2-Ply Truss *

CSI	Size	Lumber
TC	0.43	2x 4 SP-#2
EX B -C	2x 6	SP-#2
BC	0.57	2x 8 SP-#2
WB	0.34	2x 4 SP-#2
WG	---	2x 6 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	22-10- 0
BC Cont.	0- 0- 0	22-10- 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' 22.8'

BC V 0 20 0.0' 22.8'

TC V 70 35 9.0' 16.3'

BC V 0 35 9.1' 16.2'

BC V 480 480 9.1' CL-LB

BC V 480 480 16.2' 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	2417	693	8- 0 1- 6
---	------	-----	-----------

			Hx = -94
--	--	--	----------

M	2345	674	4- 0 1- 6
---	------	-----	-----------

			Hx = 95
--	--	--	---------

Membr CSI P Lbs Axl-Csi-Bnd

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

A -N	0.36	3138	C	0.01	0.35
------	------	------	---	------	------

N -B	0.43	4236	C	0.03	0.40
------	------	------	---	------	------

B -C	0.58	3965	C	0.01	0.57
C -P	0.41	3975	C	0.03	0.38
-----Bottom Chords-----					
A -O	0.57	2829	T	0.16	0.41
O -F	0.36	2829	T	0.16	0.20
F -E	0.32	3671	T	0.20	0.12
E -M	0.09	84	T	0.00	0.09
-----Webs-----					
O -N	0.04	909	C		
N -F	0.11	1278	T		
F -B	0.07	892	T		
B -C	0.03	325	T		
E -C	0.05	760	T		
E -P	0.34	3732	T		
M -P	0.10	2231	C		

LL Defl -0.07" in F -E L/999
TL Defl -0.15" in F -E L/999
Shear // Grain in A -O 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 4.0x 6.0 Ctr Ctr 0.74

A LOCK 3.0x 7.0 Ctr Ctr 0.00

N LOCK 3.0x 4.0 Ctr Ctr 0.59

B LOCK 6.0x 6.0 Ctr-0.5 0.52

C LOCK 5.0x 9.0 0.5 Ctr 0.91

P LOCK 4.0x 4.0 Ctr Ctr 0.96

O LOCK 2.0x 4.0 Ctr Ctr 0.38

F LOCK 7.0x 8.0 1.0-2.0 0.58

E LOCK 4.0x 6.0 Ctr Ctr 0.60

M LOCK 3.0x 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.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

Girder Step Down Hip

Framing King Jacks
Jack Open Faced
Setback 9- 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	4	4	

Plus clusters of nails where

shown.

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: 130 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

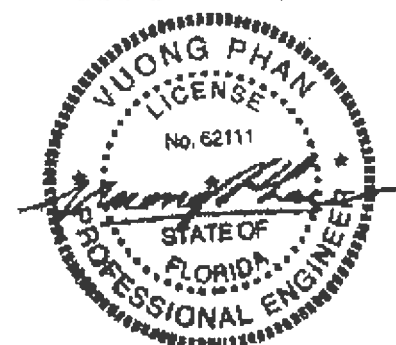
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 4236 Lbs

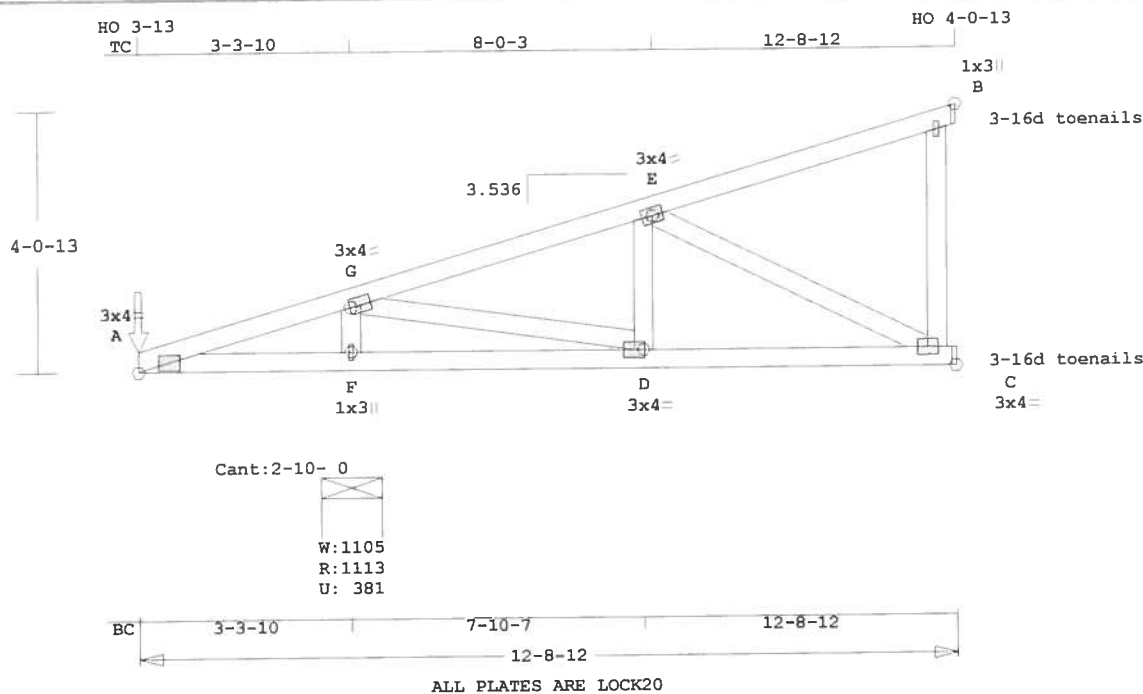
Quality Control Factor 1.25

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
BEACH	CJ1	11	MONO	120812	3.536	0	0	T05121429

U# J#BEACH BEACH RESIDENCE



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 78.3 LBS

(NDS) for Wood Construction

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.52 2x 4 SP-#2
BC 0.33 2x 4 SP-#2
WB 0.29 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 12- 8-12
BC Cont. 0- 0- 0 12- 8-12

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' 12.7'
BC V 0 20 0.0' 12.7'
TC V -40 -20 0.0' 12.7'
73 37 12.7'
BC V 0 -20 0.0' 12.7'
0 37 12.7'
TC V 180 180 0.0' CL-LB

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
F	1114	381	11- 5	1- 4
			Hz =	175
B	307	177	3- 8	1- 0
			Hz =	280
C	352	41	3- 8	1- 0

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----
A -G 0.43 1177 T 0.21 0.22
G -E 0.47 473 C 0.00 0.47
E -B 0.52 180 T 0.00 0.52
-----Bottom Chords-----
A -F 0.17 1116 C 0.01 0.16
F -D 0.25 1116 C 0.00 0.25
D -C 0.33 468 T 0.04 0.29
-----Webs-----
F -G 0.09 1013 C
G -D 0.29 1621 T
D -E 0.02 204 T
E -C 0.16 525 C
C -B 0.05 0 T WindLd

LL Defl -0.03" in D -C L/999
TL Defl -0.07" in D -C L/999
LL Cant -0.03" in A -F L/999
Shear // Grain in E -B 0.42

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 0.72
G	LOCK	3.0x 4.0	Ctr Ctr 0.84
E	LOCK	3.0x 4.0	Ctr Ctr 0.45
B	LOCK	1.0x 3.0	Ctr Ctr 0.75
F	LOCK	1.0x 3.0	Ctr Ctr 0.75
D	LOCK	3.0x 4.0	Ctr Ctr 0.97
C	LOCK	3.0x 4.0	Ctr Ctr 0.58

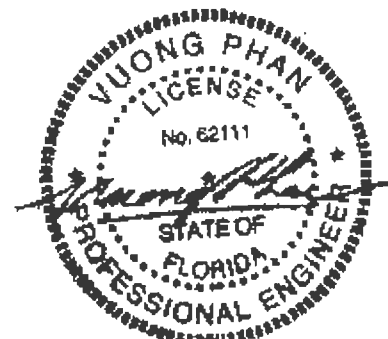
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

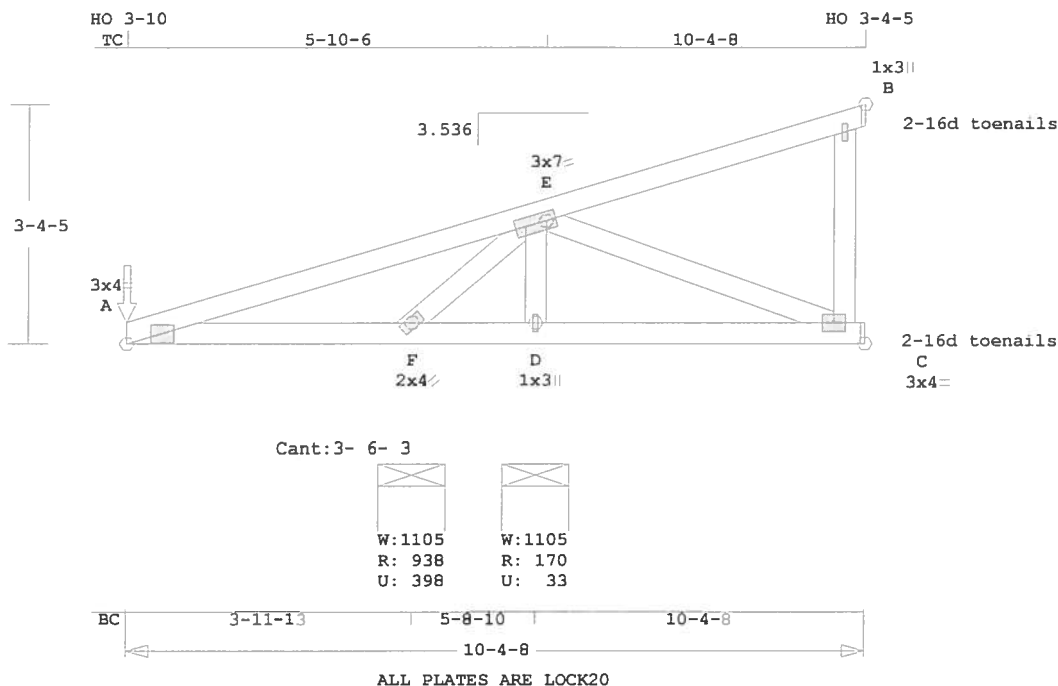
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 9- 0- 0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 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 1116 Lbs
Quality Control Factor 1.25

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



Job BEACH	Mark CJ2	Quan 1	Type MONO	Span 100408	P1-H1 3.536	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE



Scale: 0.387" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 60.4 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber----
TC 0.64 2x 4 SP-#2
BC 0.20 2x 4 SP-#2
WB 0.14 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	10- 4- 8	
BC Cont.	0- 0- 0	10- 4- 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=1.00 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'	10.4'	
BC V	0	20	0.0'	10.4'	
TC V	-40	-20	0.0'		
	50	25		10.4'	
BC V	0	-20	0.0'		
	0	25		10.4'	
TC V	183	183	0.0'		CL-LB

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
F	938	399	11- 5	1- 1
			Hz =	107
D	170	34	11- 5	1- 0
B	220	126	3- 8	1- 0
			Hz =	200
C	72	60G	3- 8	1- 0
G	= Gravity Uplift			

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -E	0.64	1374	T	0.25	0.39
E -B	0.39	123	T	0.00	0.39
-----Bottom Chords-----					
A -F	0.17	1302	C	0.01	0.16
F -D	0.17	373	C	0.00	0.17
D -C	0.20	373	C	0.00	0.20
-----Webs-----					
F -E	0.14	1267	C		
D -E	0.02	134	T		
E -C	0.07	400	T		
C -B	0.03	0	T	WindLd	

LL Defl -0.02" in D -C L/999
TL Defl -0.04" in D -C L/999
LL Cant -0.03" in A -F L/999
Shear // Grain in E -B 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 3.0x 4.0 Ctr Ctr 0.68
E LOCK 3.0x 7.0 Ctr Ctr 0.50
B LOCK 1.0x 3.0 Ctr Ctr 0.75
F LOCK 2.0x 4.0 Ctr Ctr 0.55
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

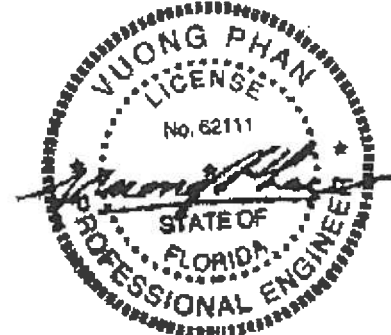
NOTES:

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

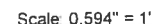
Girder King Jack
Loading TC and BC
Setback 7- 3- 8
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 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 1302 Lbs
Quality Control Factor 1.25

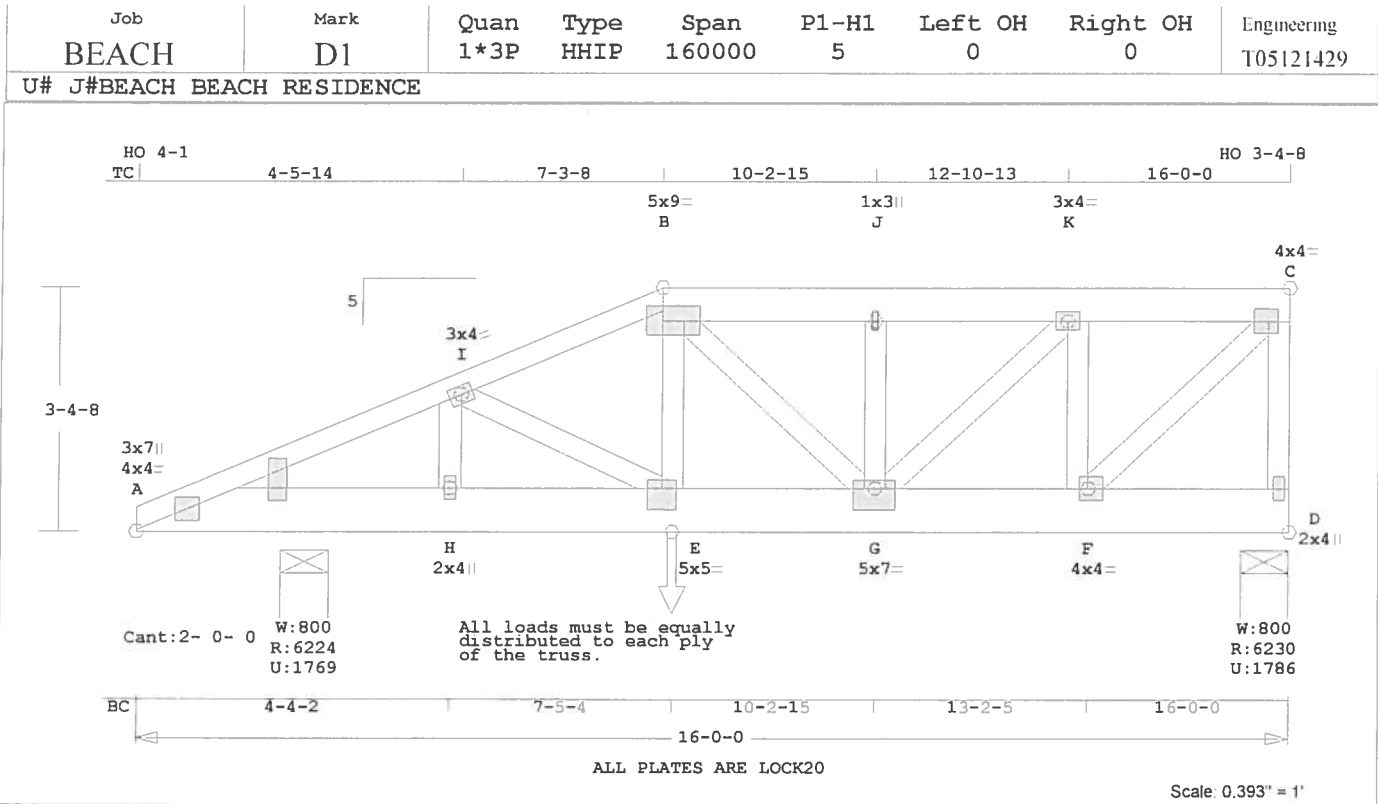
Truss Design Engineer: Vuong Phan
License # 62111
Address: P.O. Box 280055, Tampa, FL 33682



U# J#BEACH BEACH RESIDENCE



A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the word "LICENSE" is at the top, "No. 62111" is in the center, and "STATE OF FLORIDA" is at the bottom. A signature, "Vuong Phan", is written across the seal.



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 146.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

* 3-Ply Truss *

CSI	-Size-	---Lumber---
TC	0.49	2x 4 SP-#2
EX B -C	2x 6	SP-#2
BC	0.69	2x 8 SP-#1
WB	0.43	2x 4 SP-#2
WG	---	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 0- 0
BC Cont.	0- 0- 0	16- 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 Girder Loading

Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live	Dead	From	To	
TC V	40	20	0.0'	16.0'
BC V	0	20	0.0'	16.0'
BC V	350	350	2.0'	16.0'
TC V	54	27	7.3'	15.0'
TC V	-40	-20	15.0'	16.0'
BC V	0	27	7.4'	15.0'
BC V	0	-20	15.0'	16.0'
BC V	317	317	7.4'	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	6224	1769	8- 0	2- 5
			Hz =	-89
D	6230	1786	8- 0	2- 7
			Hz =	177

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -I	0.49	6861	C 0.03 0.46
I -B	0.34	7775	C 0.04 0.30
B -J	0.16	7633	C 0.01 0.15

J	-K	0.08	7633	C	0.07	0.01
K	-C	0.09	4963	C	0.09	0.00
-----Bottom Chords-----						
A	-H	0.69	6142	T	0.16	0.53
H	-E	0.39	6142	T	0.16	0.23
E	-G	0.29	7213	T	0.19	0.10
G	-F	0.20	4963	T	0.13	0.07
F	-D	0.09	125	T	0.00	0.09
-----Webs-----						
H	-I	0.01	386	C		
I	-E	0.08	1318	T		
E	-B	0.13	2235	T		
B	-G	0.03	580	T		
G	-J	0.02	717	C		
G	-K	0.23	3802	T		
F	-K	0.09	2968	C		
F	-C	0.43	7069	T		
D	-C	0.16	5163	C WindLd		

LL Defl -0.05" in H -E L/999
TL Defl -0.11" in H -E L/999
Shear // Grain in A -H 0.60

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 0.84
A LOCK 3.0x 7.0 Ctr Ctr 0.00
I LOCK 3.0x 4.0 Ctr Ctr 0.51
B LOCK 5.0x 9.0 Ctr Ctr 0.87
J LOCK 1.0x 3.0 Ctr Ctr 0.75
K LOCK 3.0x 4.0 Ctr Ctr 0.79
C LOCK 4.0x 4.0-0.5 Ctr 0.88
H LOCK 2.0x 4.0 Ctr Ctr 0.38
E LOCK 5.0x 5.0 Ctr-1.1 0.51
G LOCK 5.0x 7.0 Ctr-1.1 0.98
F LOCK 4.0x 4.0 0.5 Ctr 0.88
D LOCK 2.0x 4.0 Ctr Ctr 0.69

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

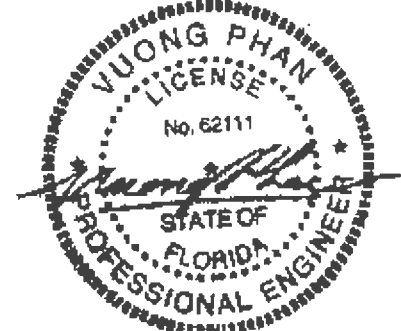
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

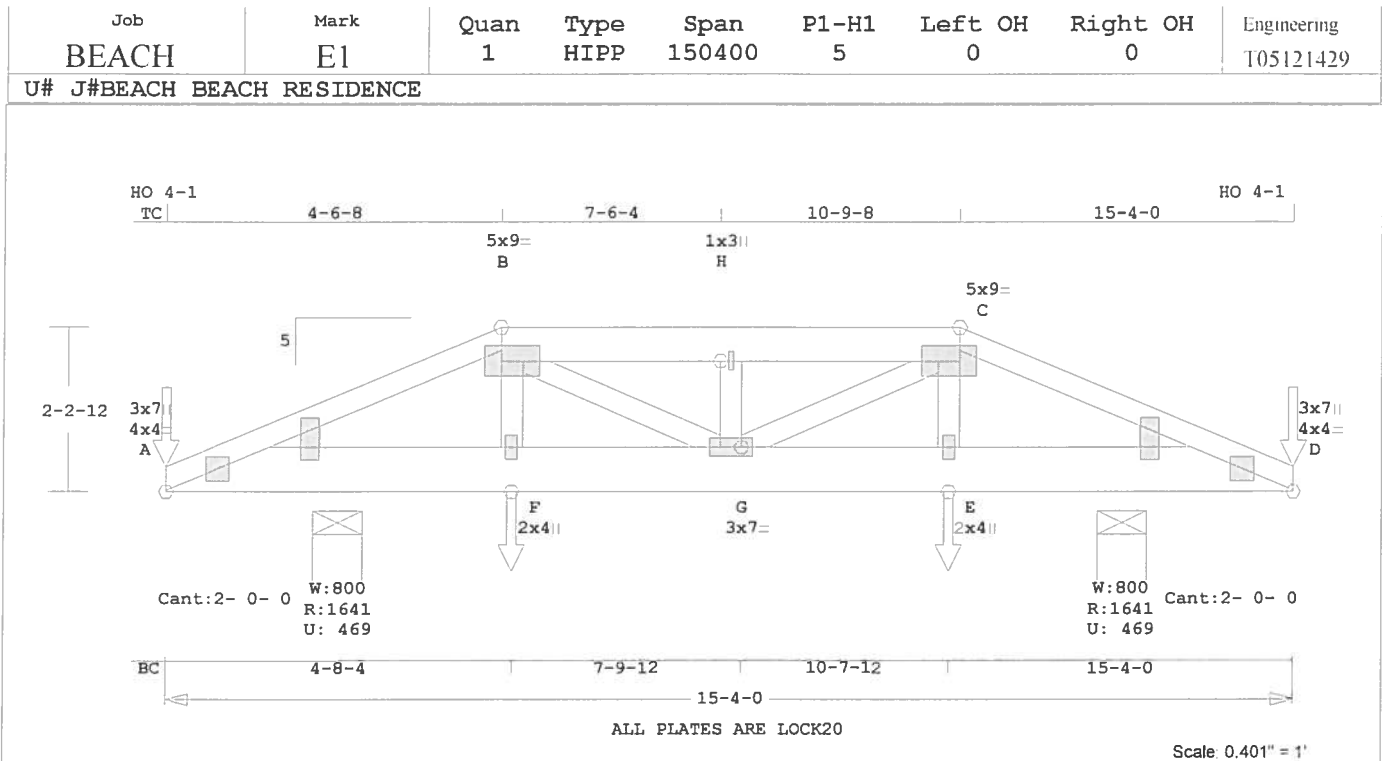
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

FBC2004
Girder Half Hip
Framing King Jacks
Jack Open Faced
Setback 7- 5- 0
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 9 17 0
WB 1 4 4
No bolts in 2x4s or smaller.
Plus clusters of nails where
shown.

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: 130 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 7775 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: 115.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

	CSI	-Size-	-----Lumber-----
TC	0.39	2x 4	SP-#2
EX B	-C	2x 6	SP-#2
BC	0.60	2x 8	SP-#1
WB	0.19	2x 4	SP-#2
WG	---	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	15- 4- 0	
BC Cont.	0- 0- 0	15- 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'	15.3'
BC V	0	20	0.0'	15.3'
BC V	50	50	2.0'	13.3'
TC V	25	13	4.5'	10.8'
BC V	0	13	4.7'	10.6'
TC V	45	45	15.3'	CL-LB
TC V	45	45	0.0'	CL-LB
BC V	107	107	4.7'	CL-LB
BC V	107	107	10.6'	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	1641	470	8- 0	1-14
D	1641	470	8- 0	1-14

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.39	1418	C	0.01	0.38
B -H	0.11	2214	C	0.01	0.10
H -C	0.11	2214	C	0.01	0.10
C -D	0.39	1418	C	0.01	0.38
-----Bottom Chords-----					
A -F	0.60	1283	T	0.11	0.49
F -G	0.32	1292	T	0.11	0.21
G -E	0.32	1292	T	0.11	0.21
E -D	0.60	1283	T	0.11	0.49
-----Webs-----					
F -B	0.01	115	C		
B -G	0.19	1033	T		
G -H	0.02	256	C		
H -C	0.19	1033	T		
E -C	0.01	115	C		

LL Defl -0.04" in G -E L/999
TL Defl -0.09" in G -E L/999
Shear // Grain in A -F 0.44

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 0.84
A LOCK 3.0x 7.0 Ctr Ctr 0.00
B LOCK 5.0x 9.0 Ctr Ctr 0.86
H LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 5.0x 9.0 Ctr Ctr 0.86
D LOCK 4.0x 4.0 Ctr Ctr 0.84
D LOCK 3.0x 7.0 Ctr Ctr 0.00
F LOCK 2.0x 4.0 Ctr Ctr 0.38
G LOCK 3.0x 7.0 Ctr Ctr 0.68
E LOCK 2.0x 4.0 Ctr Ctr 0.38

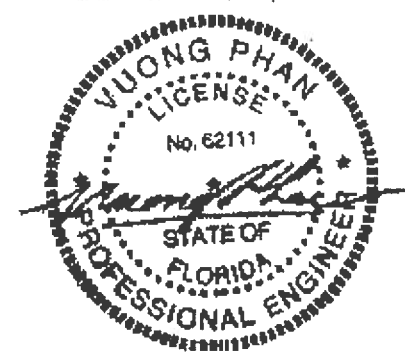
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

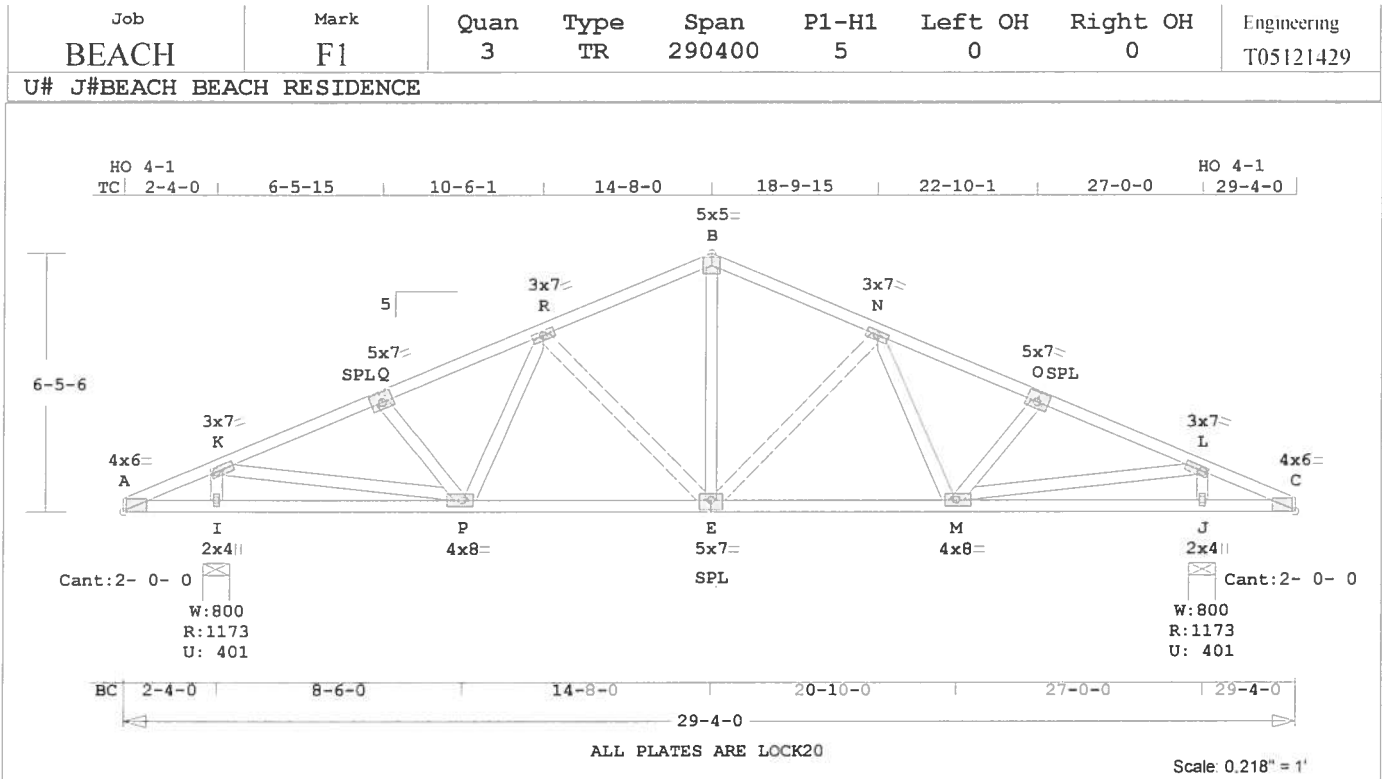
REFER TO ROBBINS ENG. GENERAL

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 4- 6- 8
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: 130 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 2214 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: 203.3 LBS

PO Box 280055
Tampa, FL 33682

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

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

CSI -Size- ----Lumber----
TC 0.19 2x 4 SP-#2
BC 0.30 2x 4 SP-#2
WB 0.25 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0-0-0	0	29-4-0
BC Cont.	0-0-0	0	29-4-0

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			

P -E	0.30	1187 T	0.19	0.11
E -M	0.30	1187 T	0.19	0.11
M -J	0.20	194 T	0.00	0.20
J -C	0.20	106 T	0.00	0.20
-----Webs-----				
I -K	0.09	1036 C		
K -P	0.25	1399 T		
Q -P	0.03	219 C		
P -R	0.02	154 T		
R -E	0.14	308 C		
E -B	0.10	573 T		
E -N	0.14	308 C		
N -M	0.02	154 T		
M -O	0.03	219 C		
M -L	0.25	1399 T		
J -L	0.09	1036 C		

LL Defl -0.05" in P -E L/999
TL Defl -0.11" in P -E L/999
LL Cant 0.00" in J -C L/999
Shear // Grain in K -Q 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	Type	Size	X	Y	JSI
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	0.1	0.66
K LOCK	3.0x	7.0	Ctr	Ctr	0.43
Q LOCK	5.0x	7.0-0.2	0.5	0.67	
R LOCK	3.0x	7.0	Ctr	Ctr	0.50
B LOCK	5.0x	5.0	Ctr	Ctr	0.62
N LOCK	3.0x	7.0	Ctr	Ctr	0.50
O LOCK	5.0x	7.0	0.2	0.5	0.67
L LOCK	3.0x	7.0	Ctr	Ctr	0.43
C LOCK	4.0x	6.0	Ctr	0.1	0.66
I LOCK	2.0x	4.0	Ctr	Ctr	0.45
P LOCK	4.0x	8.0-0.5	Ctr	0.89	
E LOCK	5.0x	7.0	Ctr	0.5	0.68
M LOCK	4.0x	8.0	0.5	Ctr	0.89
J LOCK	2.0x	4.0	Ctr	Ctr	0.45

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: 130 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 1472 Lbs

Quality Control Factor 1.25

Plus 6 Wind Load Case(s)

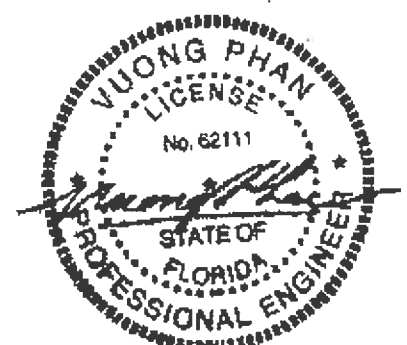
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
I	1173	402	8-0	1-5
			Hz =	-149
J	1173	402	8-0	1-5
			Hz =	150

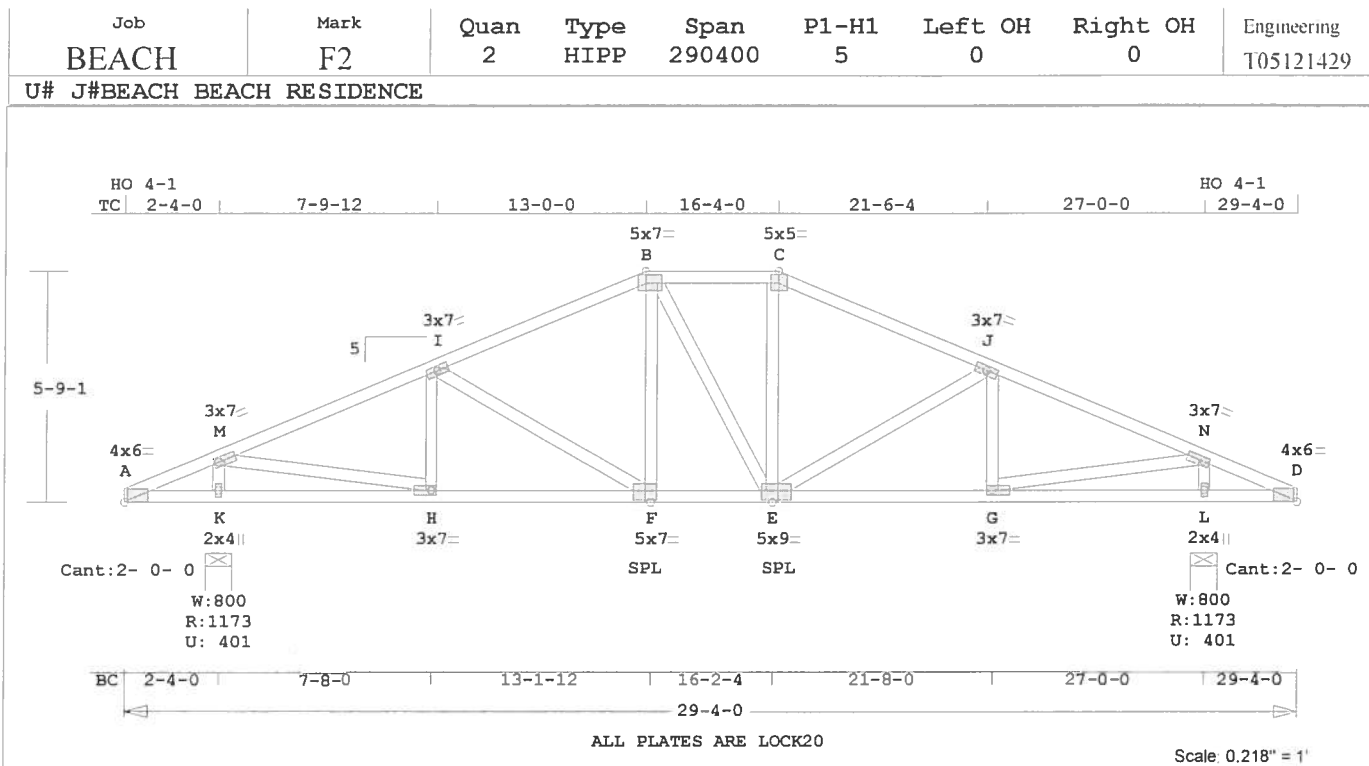
Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -K	0.19	104 C	0.01	0.18
K -Q	0.19	1472 C	0.01	0.18
Q -R	0.16	1311 C	0.01	0.15
R -B	0.15	1059 C	0.00	0.15
B -N	0.15	1059 C	0.00	0.15
N -O	0.16	1311 C	0.01	0.15
O -L	0.19	1472 C	0.01	0.18
L -C	0.19	104 C	0.01	0.18
-----Bottom Chords-----				
A -I	0.20	106 T	0.00	0.20
I -P	0.20	194 T	0.00	0.20

REVIEWED BY:
Robbins Engineering, Inc.

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



Date Sealed: 12/15/2005



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 202.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

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

TC	0.27	2x 4	SP-#2
BC	0.28	2x 4	SP-#2
WB	0.24	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	29- 4- 0	4- 0
BC Cont.	0- 0- 0	29- 4- 0	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
K	1173	402	8- 0	1- 5
			Hz =	-132
L	1173	402	8- 0	1- 5
			Hz =	133

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -M	0.23	83 C	0.01	0.22
M -I	0.27	1369 C	0.01	0.26
I -B	0.27	1168 C	0.01	0.26
B -C	0.09	1072 C	0.05	0.04
C -J	0.27	1168 C	0.01	0.26
J -N	0.27	1369 C	0.01	0.26
N -D	0.23	83 C	0.01	0.22
-----Bottom Chords-----				
A -K	0.14	83 T	0.00	0.14
K -H	0.15	179 T	0.00	0.15
H -F	0.28	1265 T	0.21	0.07

F -E	0.23	1069 T	0.17	0.06
E -G	0.28	1265 T	0.21	0.07
G -L	0.15	178 T	0.00	0.15
L -D	0.14	84 T	0.00	0.14

-----Webs-----				
K -M	0.09	1063 C		
M -H	0.24	1316 T		
H -I	0.02	141 C		
I -F	0.10	222 C		
F -B	0.03	245 T		
B -E	0.04	95 T		
E -C	0.03	242 T		
E -J	0.11	224 C		
G -J	0.02	142 C		
G -N	0.24	1317 T		
L -N	0.09	1063 C		

LL Defl -0.04" in E -G L/999
TL Defl -0.10" in H -F L/999
LL Cant 0.00" in A -K L/999
Shear // Grain in I -B 0.20

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

Jt	Type	Plt	Size	X	Y	JSI
A	LOCK	4.0x	6.0	Ctr	0.1	0.66
M	LOCK	3.0x	7.0	Ctr	Ctr	0.41
I	LOCK	3.0x	7.0	Ctr	Ctr	0.38
B	LOCK	5.0x	7.0-0.5	Ctr	0.82	
C	LOCK	5.0x	5.0	Ctr	Ctr	0.83
J	LOCK	3.0x	7.0	Ctr	Ctr	0.38
N	LOCK	3.0x	7.0	Ctr	Ctr	0.41
D	LOCK	4.0x	6.0	Ctr	0.1	0.66
K	LOCK	2.0x	4.0	Ctr	Ctr	0.44
H	LOCK	3.0x	7.0	Ctr	Ctr	0.81
F	LOCK	5.0x	7.0	Ctr	0.5	0.68
E	LOCK	5.0x	9.0-0.5-0.5	Ctr	0.68	
G	LOCK	3.0x	7.0	Ctr	Ctr	0.81
L	LOCK	2.0x	4.0	Ctr	Ctr	0.44

REVIEWED BY:
Robbins Engineering, Inc.

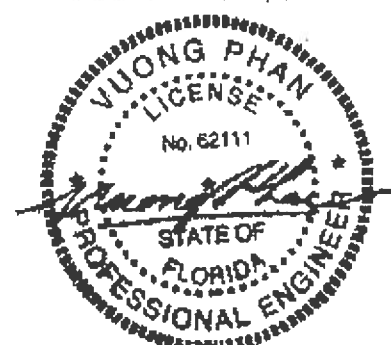
PO Box 280055
Tampa, FL 33682

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

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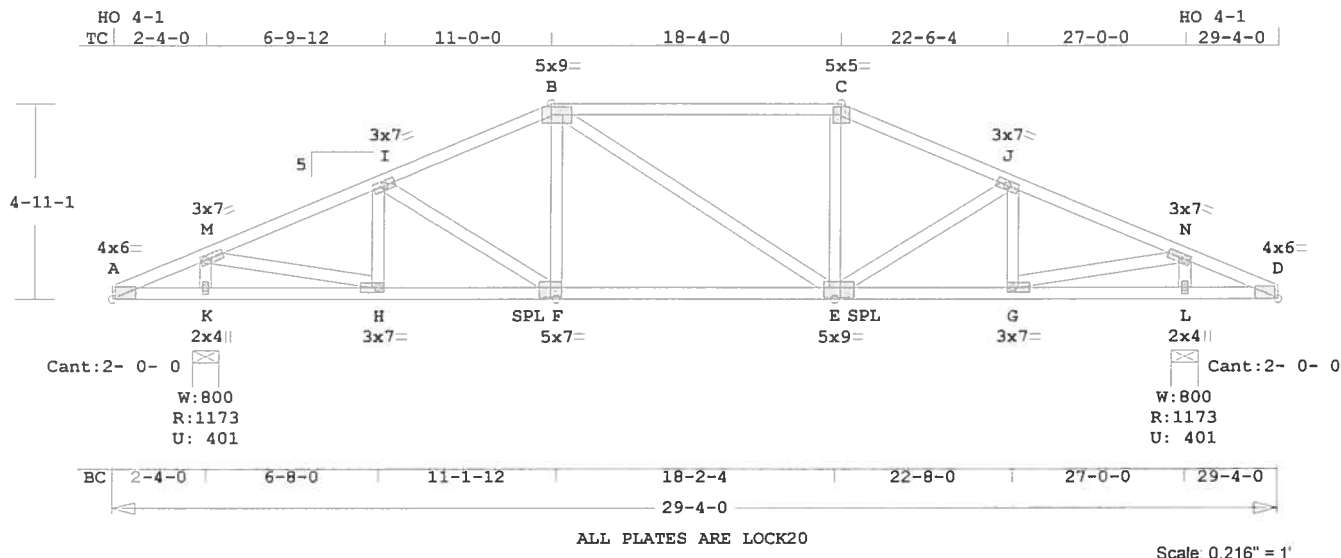
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1369 Lbs
Quality Control Factor 1.25

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



Date Sealed: 12/15/2005

Job BEACH	Mark F3	Quan 2	Type HIPP	Span 290400	Pl-H1 5	Left OH 0	Right OH 0	Engineering T05121429
U# J#BEACH BEACH RESIDENCE								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 193.0 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber----
TC 0.53 2x 4 SP-#2
BC 0.34 2x 4 SP-#2
WB 0.23 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 29- 4- 0
BC Cont. 0- 0- 0 29- 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
K	1173	402	8- 0	1- 5
			Hz =	-111
L	1173	402	8- 0	1- 5
			Hz =	112

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -M	0.19	92 C	0.01	0.18	
M -I	0.19	1300 C	0.01	0.18	
I -B	0.27	1292 C	0.01	0.26	
B -C	0.53	1202 C	0.02	0.51	
C -J	0.26	1295 C	0.01	0.25	
J -N	0.19	1300 C	0.01	0.18	
N -D	0.19	92 C	0.01	0.18	
-----Bottom Chords-----					
A -K	0.11	96 T	0.00	0.11	
K -H	0.11	145 T	0.00	0.11	
H -F	0.32	1196 T	0.12	0.20	

F -E	0.34	1197 T	0.12	0.22
E -G	0.34	1196 T	0.12	0.22
G -L	0.11	144 T	0.00	0.11
L -D	0.11	96 T	0.00	0.11
-----Webs-----				
K -M	0.10	1068 C		
M -H	0.23	1289 T		
H -I	0.02	227 C		
I -F	0.02	76 T		
F -B	0.03	241 T		
B -E	0.07	95 T		
E -C	0.03	243 T		
E -J	0.02	78 T		
G -J	0.03	231 C		
G -N	0.23	1290 T		
L -N	0.10	1066 C		

LL Defl -0.07" in F -E L/999
TL Defl -0.16" in F -E L/999
LL Cant 0.01" in A -K L/999
Shear // Grain in B -C 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	4.0x 6.0 Ctr 0.1 0.66
M LOCK	3.0x 7.0 Ctr Ctr 0.40
I LOCK	3.0x 7.0 Ctr Ctr 0.39
B LOCK	5.0x 9.0 Ctr-0.1 0.87
C LOCK	5.0x 5.0 Ctr Ctr 0.83
J LOCK	3.0x 7.0 Ctr Ctr 0.39
N LOCK	3.0x 7.0 Ctr Ctr 0.40
D LOCK	4.0x 6.0 Ctr 0.1 0.66
K LOCK	2.0x 4.0 Ctr Ctr 0.43
H LOCK	3.0x 7.0 Ctr Ctr 0.82
F LOCK	5.0x 7.0 Ctr-0.5 0.68
E LOCK	5.0x 9.0-0.5-0.5 0.68
G LOCK	3.0x 7.0 Ctr Ctr 0.82
L LOCK	2.0x 4.0 Ctr Ctr 0.43

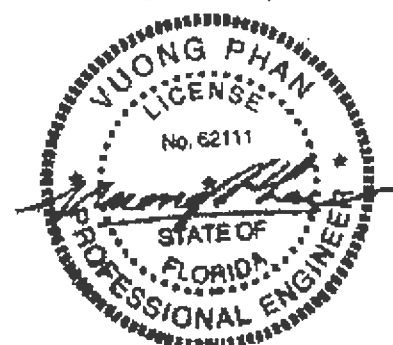
REVIEWED BY:
Robbins Engineering, Inc.

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: 130 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 1300 Lbs
Quality Control Factor 1.25

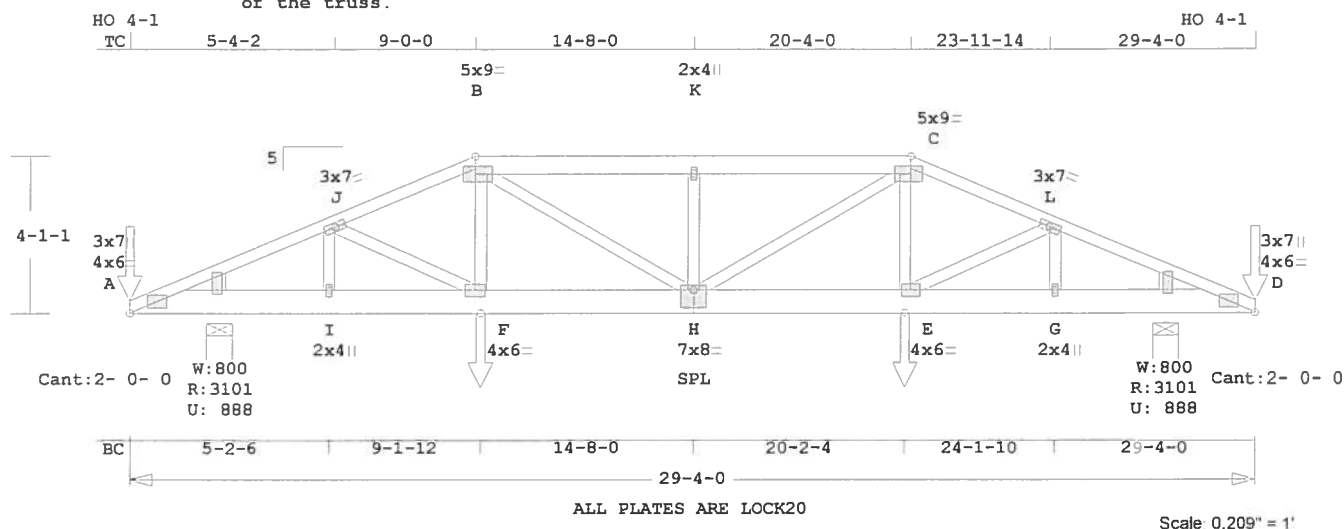
Truss Design Engineer: Vuong Phan
License # 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job BEACH	Mark F4	Quan 2*2P	Type HIPP	Span 290400	P1-H1 5	Left OH 0	Right OH 0	Engineering T05121429
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U# J#BEACH BEACH RESIDENCE

All loads must be equally distributed to each ply of the truss.



Robbins Engineering, Inc./Online PlusTM APPROX. TRUSS WEIGHT: 247.8 LBS

Online Plus -- Version 18.0.020
 RUN DATE: 14-DEC-05

 * 2-Ply Truss *

CSI	-Size-	-----Lumber-----
TC	0.47	2x 4 SP-#2
EX B -C	2x 6	SP-#2
BC	0.76	2x 8 SP-#2
WB	0.14	2x 4 SP-#2
WG	---	2x 6 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	29- 4- 0
BC Cont.	0- 0- 0	29- 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'	29.3'
BC V	0	20	0.0'	29.3'
TC V	70	35	9.0'	20.3'
BC V	0	35	9.1'	20.2'
TC V	90	90	29.3'	CL-LB
TC V	90	90	0.0'	CL-LB
BC V	480	480	9.1'	CL-LB
BC V	480	480	20.2'	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	3101	889	8- 0	1-12
			Hx =	-89
D	3102	889	8- 0	1-12
			Hx =	90

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -J	0.47	3729	C	0.02	0.45
J -B	0.34	5054	C	0.05	0.29
B -K	0.32	5961	C	0.03	0.29
K -C	0.32	5961	C	0.03	0.29

C -L	0.34	5054	C	0.05	0.29
L -D	0.47	3729	C	0.02	0.45
-----Bottom Chords-----					
A -I	0.76	3362	T	0.19	0.57
I -F	0.44	3362	T	0.19	0.25
F -H	0.33	4692	T	0.26	0.07
H -E	0.33	4692	T	0.26	0.07
E -G	0.44	3362	T	0.19	0.25
G -D	0.76	3362	T	0.19	0.57
-----Webs-----					
I -J	0.05	1097	C		
J -F	0.14	1519	T		
F -B	0.05	659	T		
B -H	0.13	1487	T		
H -K	0.05	1156	C		
K -C	0.13	1487	T		
E -C	0.05	659	T		
E -L	0.14	1519	T		
G -L	0.05	1097	C		

LL Defl -0.10" in H -E L/999
 TL Defl -0.19" in H -E L/999
 Shear // Grain in A -I 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	Ctr	Ctr 0.78
A LOCK	3.0x 7.0	Ctr	Ctr 0.00
J LOCK	3.0x 7.0	Ctr	Ctr 0.38
B LOCK	5.0x 9.0-1.0	Ctr	0.94
K LOCK	2.0x 4.0	Ctr	Ctr 0.41
C LOCK	5.0x 9.0	1.0	Ctr 0.94
L LOCK	3.0x 7.0	Ctr	Ctr 0.38
D LOCK	4.0x 6.0	Ctr	Ctr 0.78
D LOCK	3.0x 7.0	Ctr	Ctr 0.00
I LOCK	2.0x 4.0	Ctr	Ctr 0.41
F LOCK	4.0x 6.0	Ctr	Ctr 0.41
H LOCK	7.0x 8.0	Ctr-2.0	0.51
E LOCK	4.0x 6.0	Ctr	Ctr 0.41
G LOCK	2.0x 4.0	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.

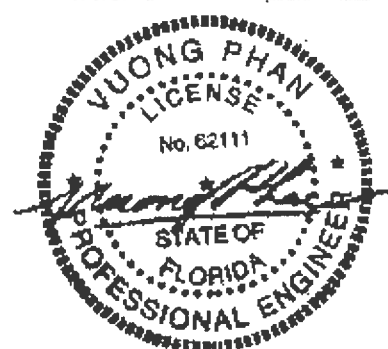
NOTES:
 Trusses Manufactured by:

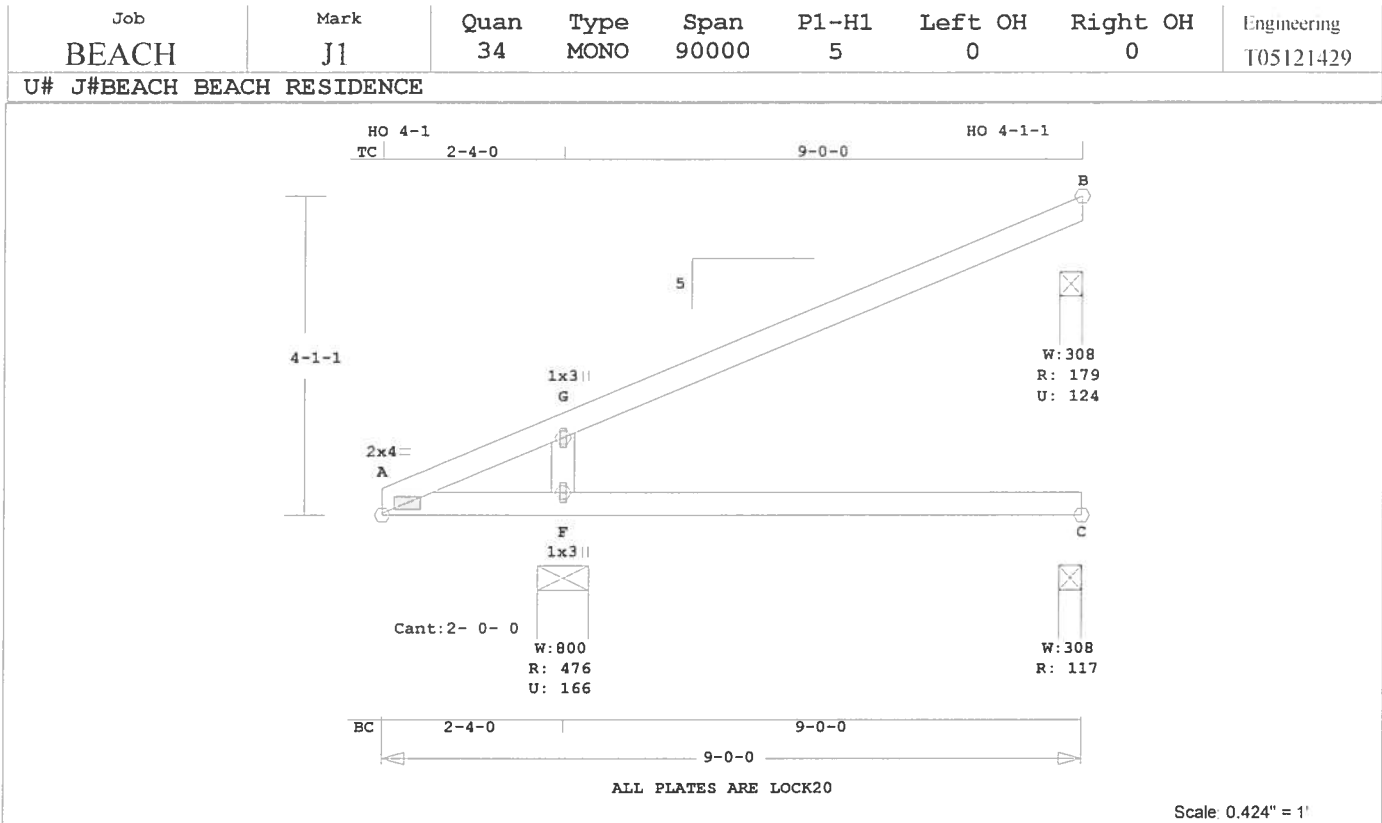
Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 Girder Step Down Hip
 Framing King Jacks
 Jack Open Faced
 Setback 9- 0- 0
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS3 screws -OR- 10d nails
 as each layer is applied.)
 -----Spacing (in)-----

Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 2	12	24	0
WB 1	4	4	

 Plus clusters of nails where
 shown.
 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: 130 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 5961 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: 37.1 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ----Lumber-----
TC 0.39 2x 4 SP-#2
BC 0.24 2x 4 SP-#2
WB 0.03 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 9- 0- 0
BC Cont. 0- 0- 0 9- 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 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
F 477 166 8- 0 1- 0
Hz = 160
B 180 124 3- 8 1- 0
Hz = 108
C 117 0G 3- 8 1- 0
G = Gravity Uplift

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

A -G 0.35 176 C 0.01 0.34
G -B 0.39 76 T 0.00 0.39
-----Bottom Chords-----
A -F 0.19 159 T 0.00 0.19
F -C 0.24 0 T 0.00 0.24
-----Webs-----
F -G 0.03 386 C WindLd
LL Defl -0.06" in F -C L/999
TL Defl -0.12" in F -C L/586
LL Cant 0.02" in A -F L/985
Shear // Grain in G -B 0.26
Hz Disp LL DL TL
Jt B 0.05" -0.01" 0.04"

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 0.77
G LOCK 1.0x 3.0 Ctr Ctr 0.75
F LOCK 1.0x 3.0 Ctr Ctr 0.75

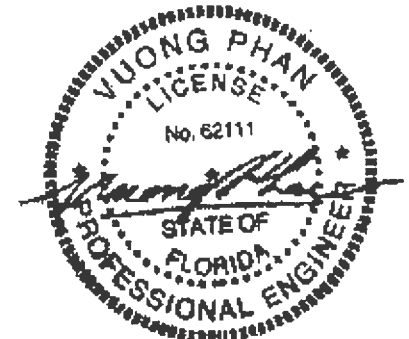
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
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: 130 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 386 Lbs
Quality Control Factor 1.25

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

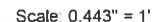


U# J#BEACH BEACH RESIDENCE

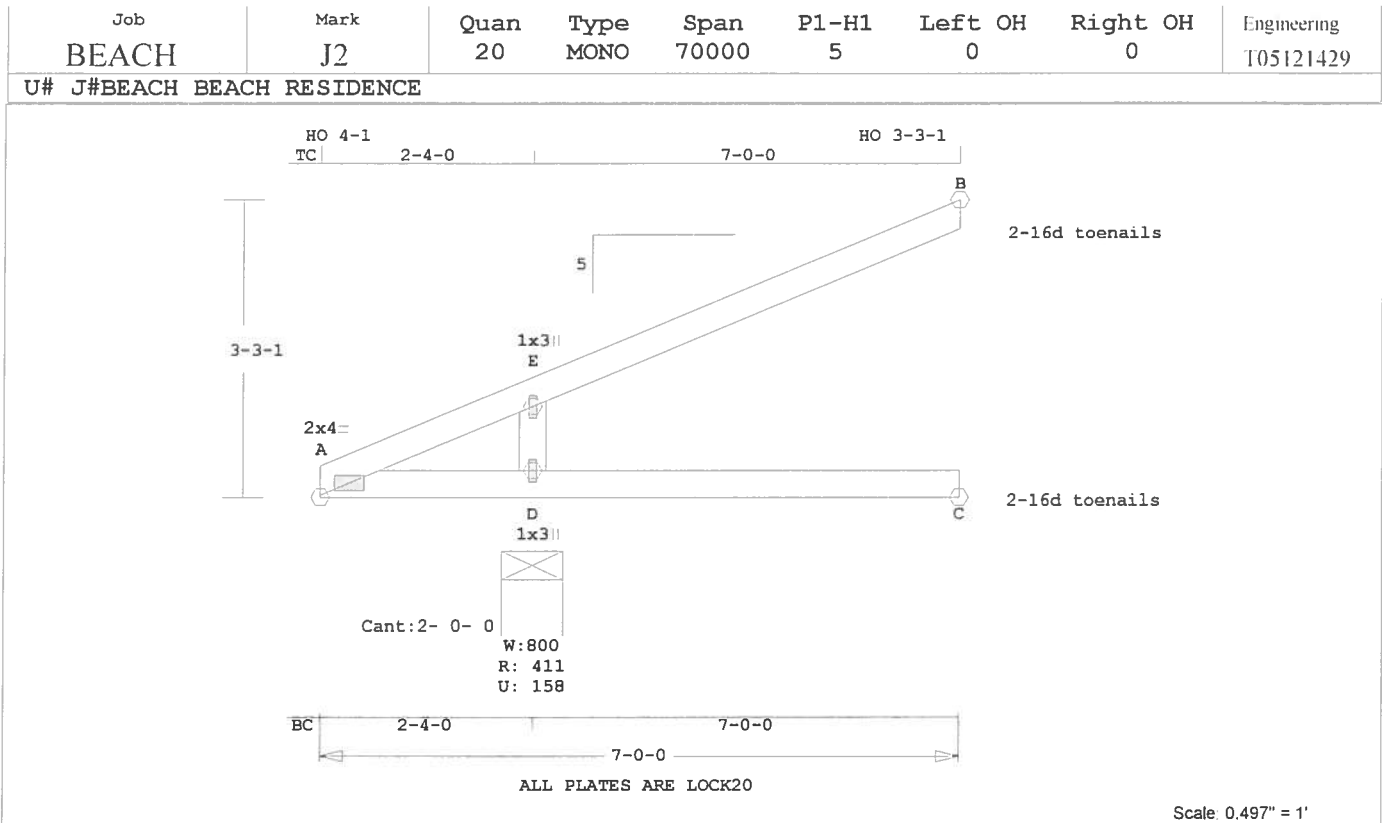


A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the word "LICENSE" is at the top, "No. 62111" is in the center, and "STATE OF FLORIDA" is at the bottom. A signature, "Vuong Phan", is written across the seal, crossing over the license number and the state name.

U# J#BEACH BEACH RESIDENCE.



A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No. 62111" is printed. A signature, which appears to be "Vuong Phan", is written across the seal, crossing over the "STATE OF FLORIDA" text.



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 29.2 LBS

E -B 0.25 62 T 0.00 0.25 (NDS) for Wood Construction

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI -Size- ---Lumber---
TC 0.25 2x 4 SP-#2
BC 0.16 2x 4 SP-#2
WB 0.02 2x 4 SP-#2

Brace truss as follows:

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

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
D	412	159	8- 0	1- 0
			Hx =	124
B	117	86	3- 8	1- 0
			Hx =	84
C	74	0	3- 8	1- 0

Membr	CSI	P	Lbs	Axl	CSI-Bnd
A -E	0.25	124	C	0.00	0.25

-----Bottom Chords-----
A -D 0.16 124 T 0.00 0.16
D -C 0.16 0 T 0.00 0.16
-----Webs-----
D -E 0.02 294 C WindLd

LL Defl -0.01" in D -C L/999
TL Defl -0.02" in D -C L/999
LL Cant -0.02" in A -D L/999
Shear // Grain in E -B 0.19
Hz Disp LL DL TL
Jt B 0.01" 0.01" 0.02"

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 0.73
E LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:

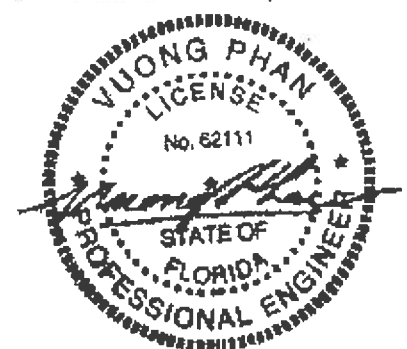
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

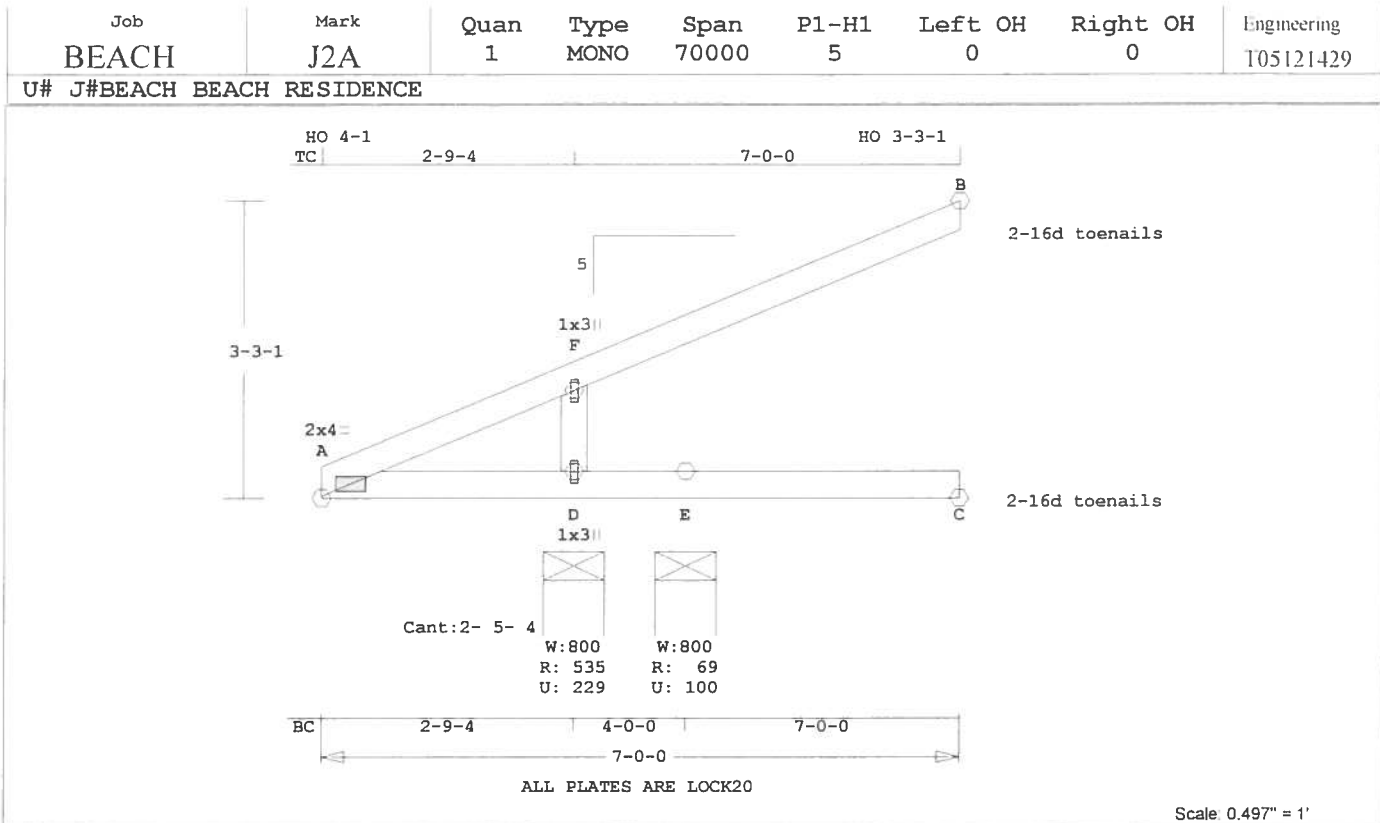
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification

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: 130 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 294 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: 29.6 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

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: 130 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: 289 Lbs
Quality Control Factor 1.25

Member	Size	From	To	Length	Area	Weight
TC	2x 4	0-0-0	7-0-0	7-0-0	15.7	2.0
BC	2x 4	0-0-0	7-0-0	7-0-0	15.7	2.0
WB	2x 4	0-0-0	7-0-0	7-0-0	15.7	2.0

Brace truss as follows:

Member	Size	From	To	Length	Area	Weight
TC	2x 4	0-0-0	7-0-0	7-0-0	15.7	2.0
BC	2x 4	0-0-0	7-0-0	7-0-0	15.7	2.0

Loading Live Dead (psf)

Member	Live	Dead	Total
TC	20.0	10.0	30.0
BC	0.0	10.0	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

LL Defl 0.00" in E -C L/999

TL Defl -0.01" in E -C L/999

LL Cant -0.04" in A -D L/834

Shear // Grain in D -E 0.20

Hz Disp LL DL TL

Jt B 0.02" 0.02" 0.04"

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 0.73
F LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75

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

Jt	React	Uplift	Size	Req'd
D	535	230	8-0	1-0
E	70	101G	8-0	1-0
B	96	76	3-8	1-0
C	59	0G	3-8	1-0

G = Gravity Uplift

Membr	CSI	P	Lbs	Axl	CSI	Bnd
A	-F	0.28	116	C	0.00	0.28
F	-B	0.28	64	T	0.00	0.28
A	-D	0.28	124	T	0.00	0.28

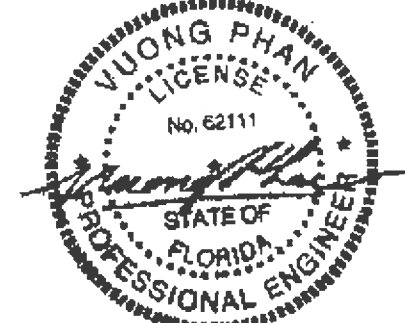
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

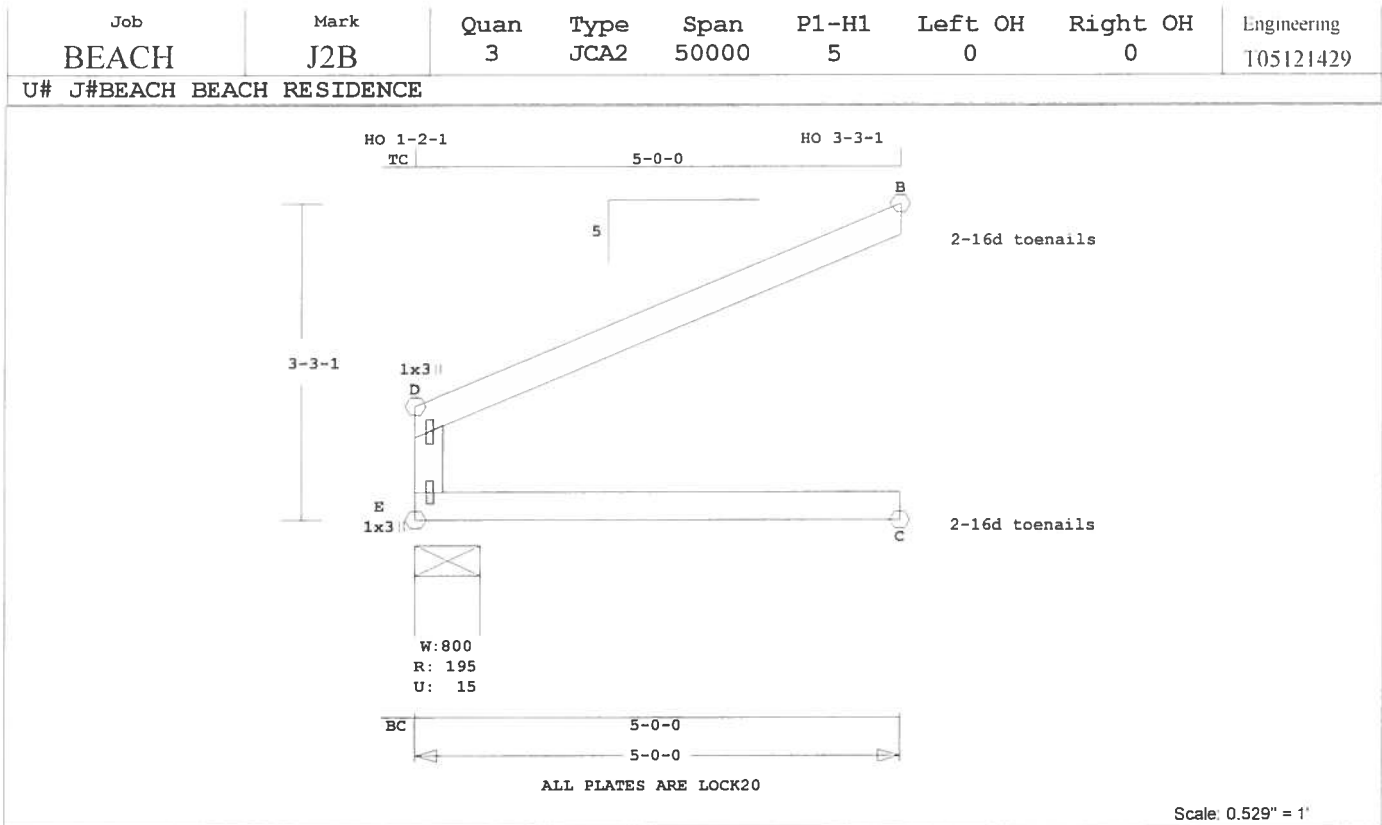
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

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





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 21.2 LBS

Online Plus -- Version 18.0.020
 RUN DATE: 14-DEC-05

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

	TC	BC	WB
Size	0.24	0.15	0.01
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	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	

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
E	195	16	8- 0	1- 0
			Hz =	114
B	146	103	3- 8	1- 0
C	96	0	3- 8	1- 0
			Hz =	80

Membr CSI P Lbs Axl-Csi-Bnd
 -----Top Chords-----
 D -B 0.24 49 C 0.00 0.24

-----Bottom Chords-----
 E -C 0.15 80 T 0.00 0.15
 -----Webs-----
 E -D 0.01 153 C 0.01 0.00

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

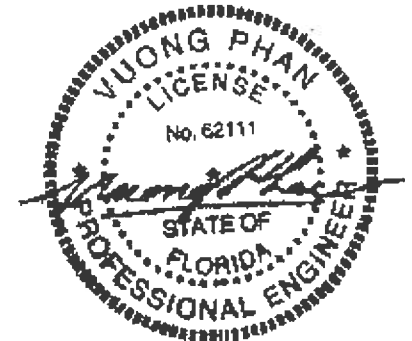
For proper installation of
 toe-nails, refer to the 2001
 National Design Specification
 (NDS) for Wood Construction

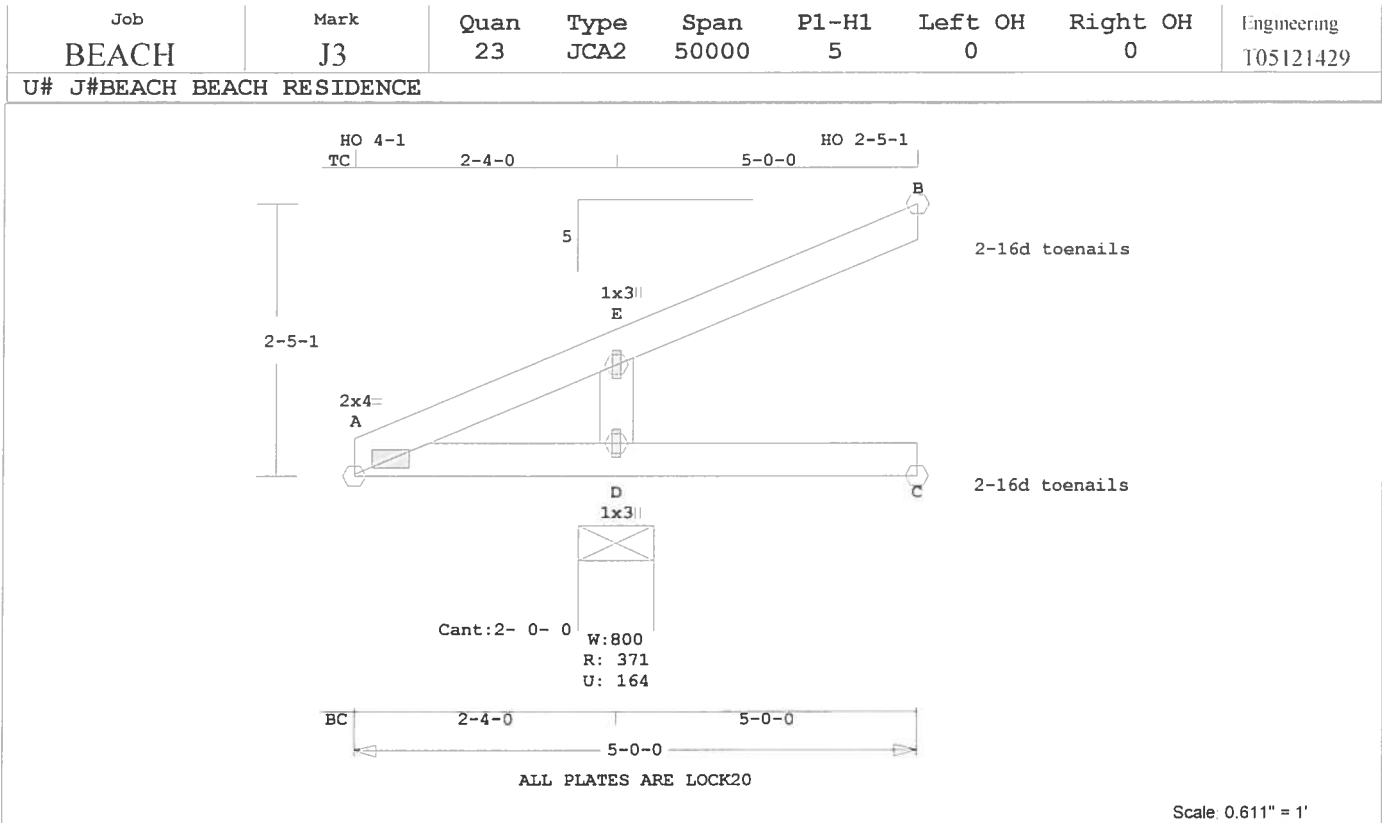
NOTES:

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: 130 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 153 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: 21.3 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

	CSI	-Size-	-----Lumber-----
TC	0.21	2x 4	SP-#2
BC	0.19	2x 4	SP-#2
WB	0.02	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	

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
D	371	164	8- 0	1- 0
			Hz =	89
B	41	41	3- 8	1- 0
C	24	12G	3- 8	1- 0
			Hz =	59

G = Gravity Uplift

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -E	0.21	80 C	0.00	0.21
E -B	0.21	21 C	0.00	0.21
-----Bottom Chords-----				
A -D	0.19	88 T	0.00	0.19
D -C	0.19	59 T	0.00	0.19

-----Webs-----
D -E 0.02 232 C WindLd
LL Defl 0.00" in D -C L/999
TL Defl 0.01" in D -C L/999
LL Cant -0.02" in A -D L/960
Shear // Grain in E -B 0.14
Hz Disp LL DL TL
Jt B 0.01" 0.01" 0.03"

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 0.69
E LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75

REVIEWED BY:
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PO Box 280055
Tampa, FL 33682

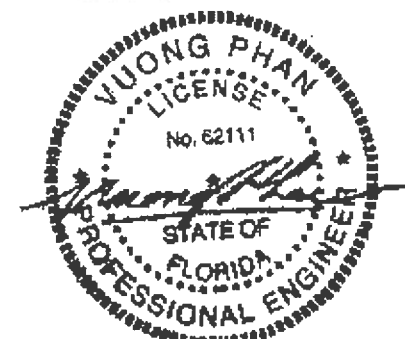
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

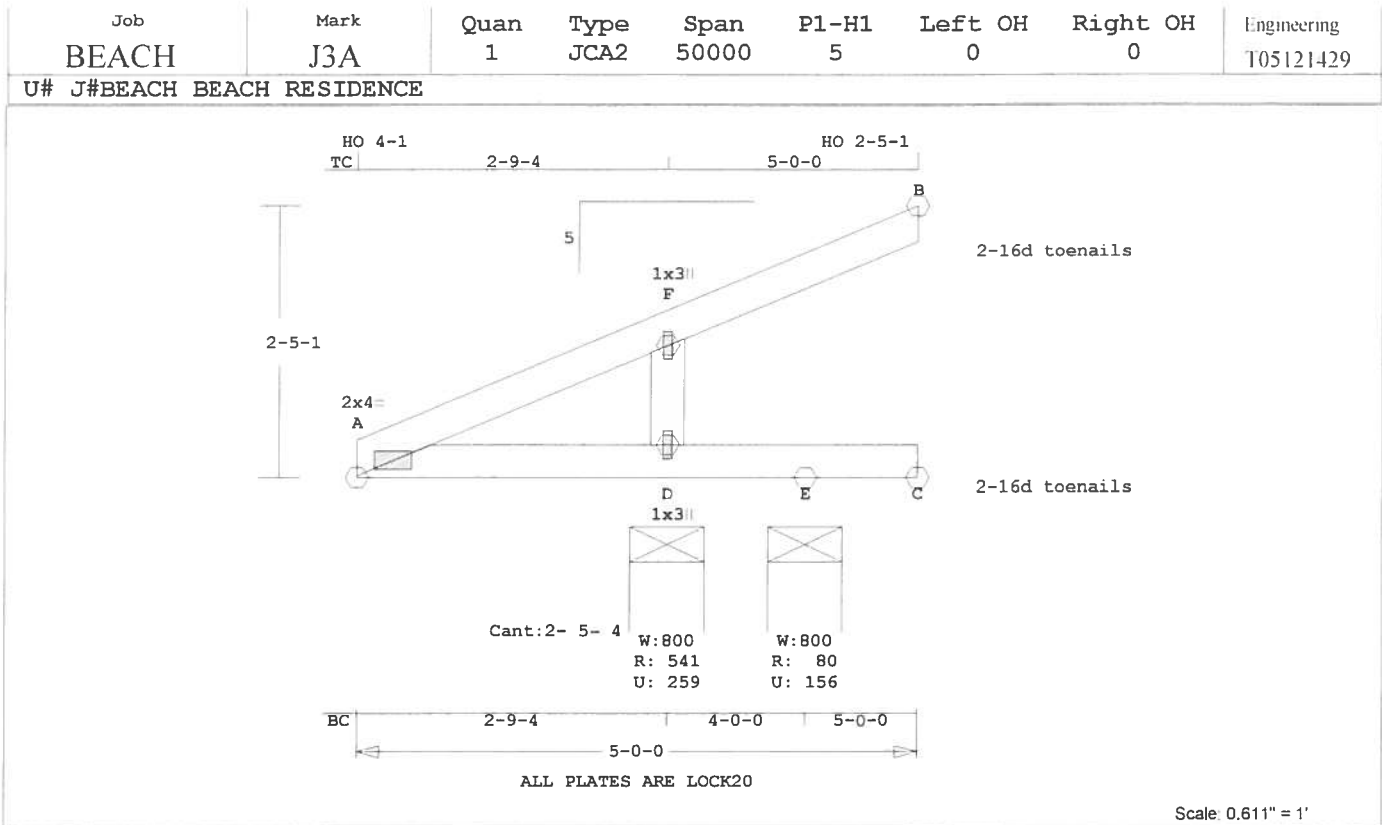
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

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: 130 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 232 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: 21.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI	-Size-	-----Lumber-----
TC	0.26	2x 4 SP-#2
BC	0.31	2x 4 SP-#2
WB	0.02	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	

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
D	541	260	8- 0	1- 0
			Hz =	89
E	80	157G	8- 0	1- 0
B	19	31	3- 8	1- 0
C	26	0G	3- 8	1- 0
			Hz =	59

G = Gravity Uplift

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -F	0.26	74 C	0.00	0.26
F -B	0.26	28 C	0.00	0.26
-----Bottom Chords-----				
A -D	0.31	88 T	0.00	0.31

D -E	0.31	59 T	0.00	0.31
E -C	0.00	59 T		
-----Webs-----				
D -F	0.02	254 C	WindLd	
LL Defl	0.00"	in D -C	L/999	
TL Defl	0.00"	in D -C	L/999	
LL Cant	-0.04"	in A -D	L/699	
Shear // Grain	in D -E	0.24		
Hz Disp	LL	DL	TL	
Jt B	0.02"	0.02"	0.05"	

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 0.69
F LOCK 1.0x 3.0 Ctr Ctr 0.75
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
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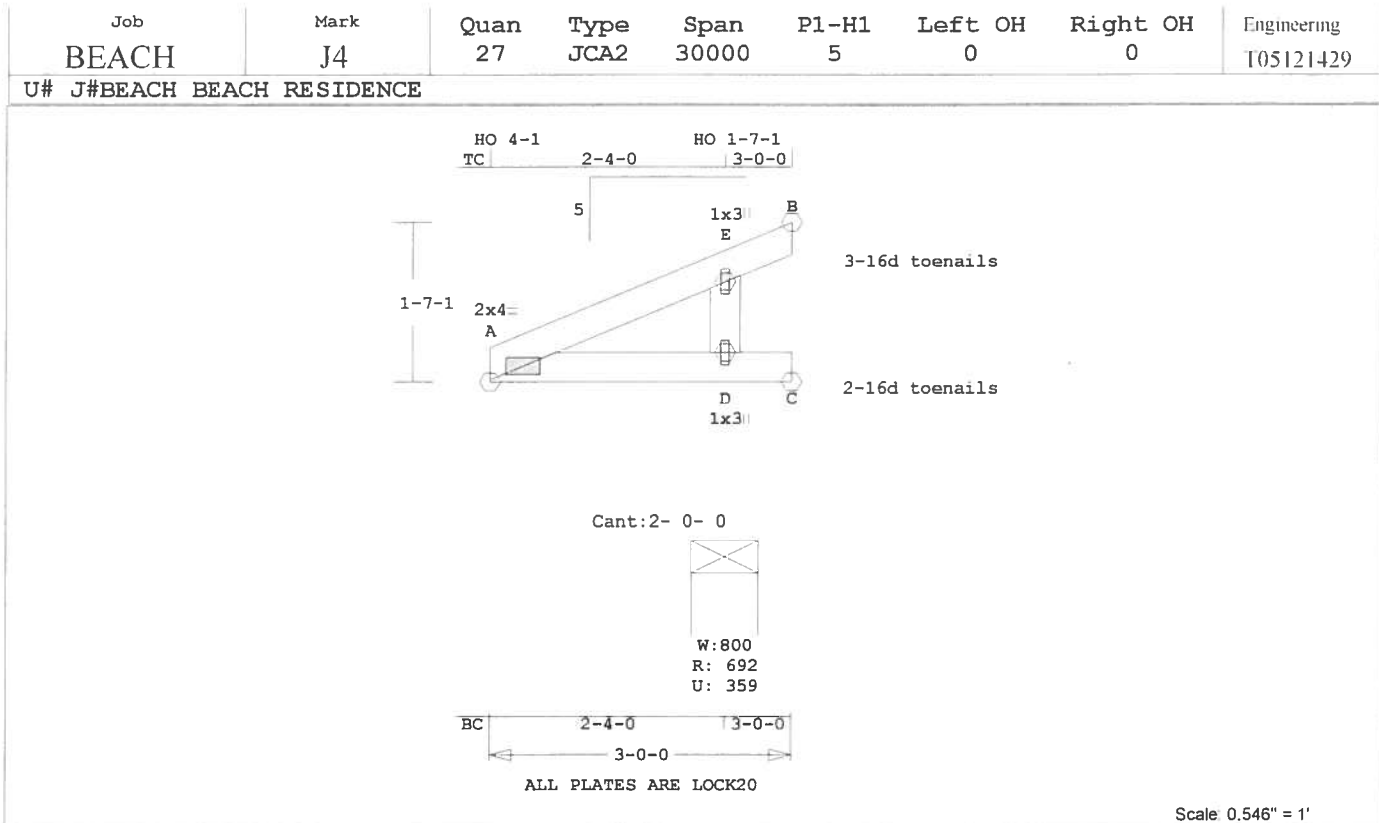
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

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: 130 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 254 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: 13.5 LBS

Online Plus -- Version 18.0.020
 RUN DATE: 14-DEC-05

CSI	-Size-	---Lumber---
TC	0.18	2x 4 SP-#2
BC	0.21	2x 4 SP-#2
WB	0.03	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 4 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
D	692	360	8- 0	1- 0
			Hz =	53
B	113	243G	3- 8	1- 0
C	111	209G	3- 8	1- 0
			Hz =	35

G = Gravity Uplift

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

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: 130 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 387 Lbs

Quality Control Factor 1.25

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 - LOCK	20 Ga <td>Gross Area</td> <td></td>	Gross Area	
Plate - RHS	20 Ga <td>Gross Area</td> <td></td>	Gross Area	

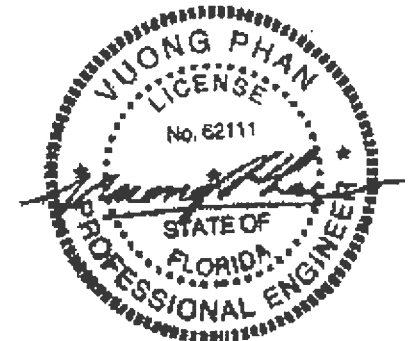
Jt Type	Plt Size	X	Y	JSI
A LOCK	2.0x 4.0	Ctr	Ctr	0.68
E LOCK	1.0x 3.0	Ctr	Ctr	0.75
D LOCK	1.0x 3.0	Ctr	Ctr	0.75

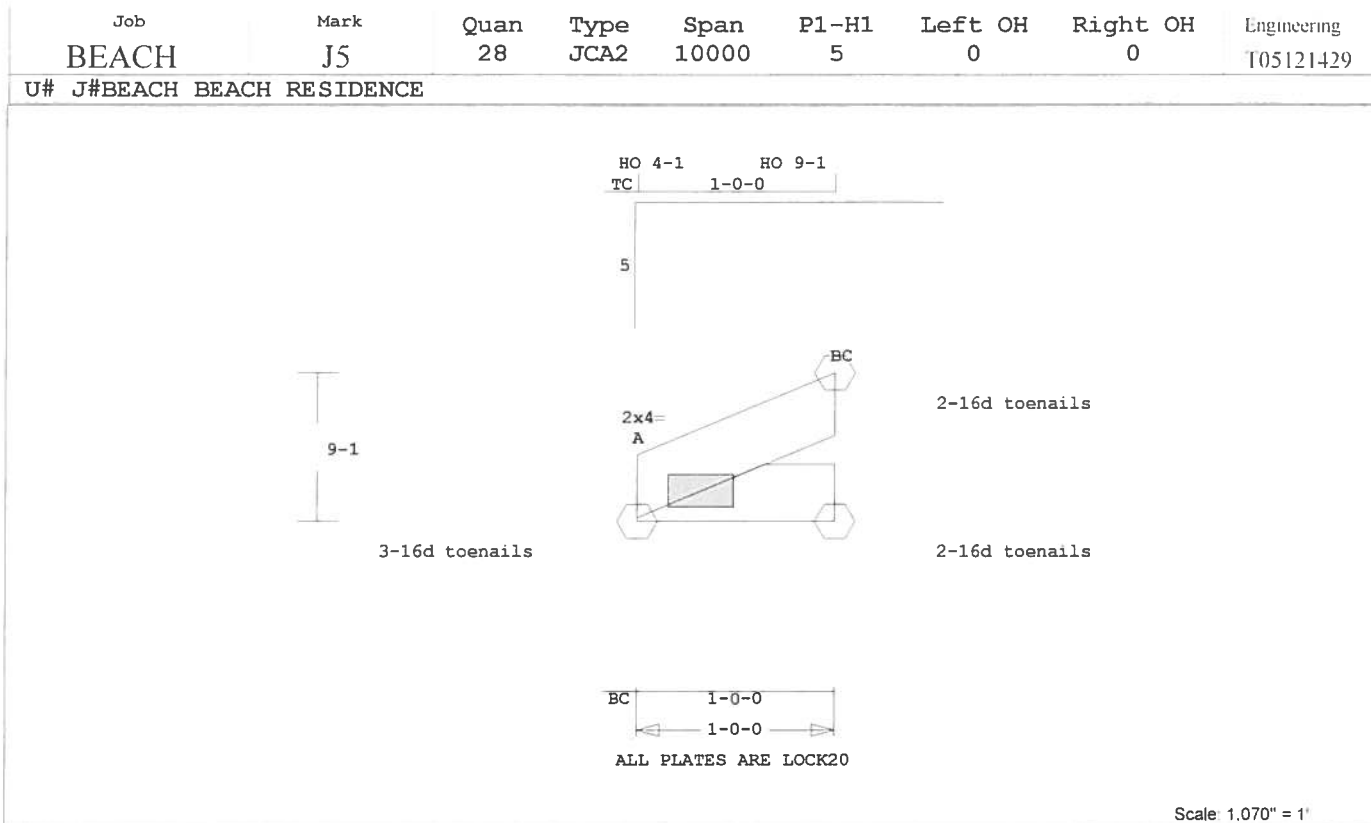
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 PO Box 280055
 Tampa, FL 33682

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

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





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 4.2 LBS
A -C 0.00 10 T

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

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			

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	44	8	3- 8	1- 0
			Hz =	15
B	19	11	1- 8	1- 0
C	13	2	1- 8	1- 0
			Hz =	10

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.00 5 C
-----Bottom Chords-----

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

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 0.68

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

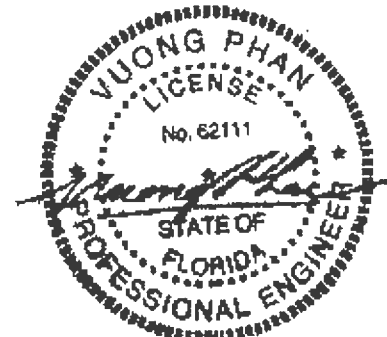
REFER TO ROBBINS ENG. GENERAL
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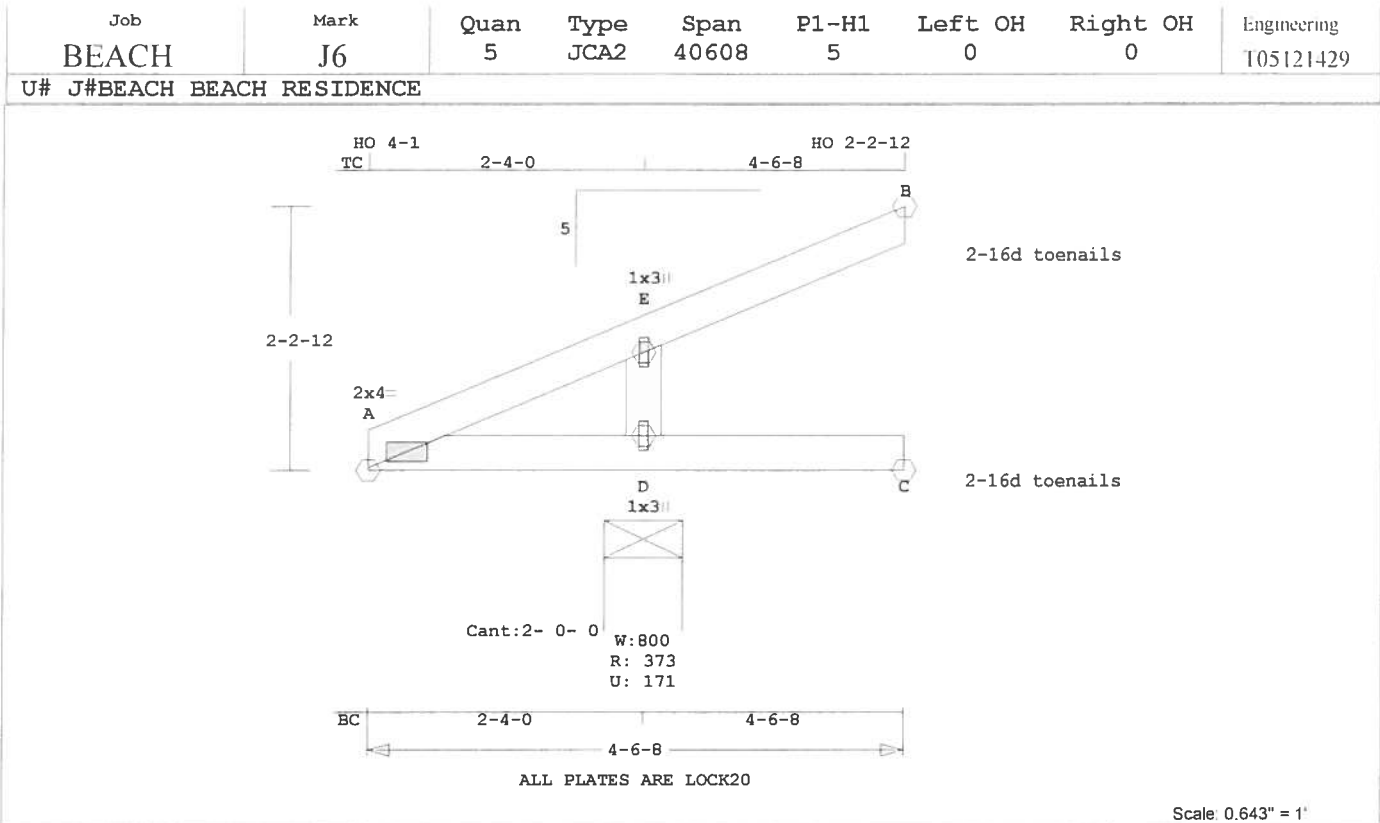
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

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: 130 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 5 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: 19.5 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

	CSI	-Size-	-----Lumber----
TC	0.20	2x 4	SP-#2
BC	0.19	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	4- 6- 8	
BC Cont.	0- 0- 0	4- 6- 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 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
D	373	171	8- 0	1- 0
			Hz =	80
B	19	32	3- 8	1- 0
C	28	27G	3- 8	1- 0
			Hz =	54

G = Gravity Uplift

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -E	0.20	70 C	0.00	0.20
E -B	0.20	22 C	0.00	0.20
-----Bottom Chords-----				
A -D	0.19	80 T	0.00	0.19
D -C	0.19	53 T	0.00	0.19

-----Webs-----				
D -E	0.02	226 C	WindLd	
LL Defl	0.00"	in D	-C	L/999
TL Defl	0.00"	in D	-C	L/999
LL Cant	-0.02"	in A	-D	L/994
Shear //	Grain	in A	-E	0.13
Hz Disp	LL	DL	TL	
Jt B	0.01"	0.01"	0.03"	

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 0.68
E LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75

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Tampa, FL 33682

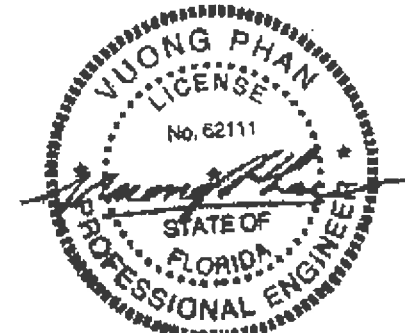
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

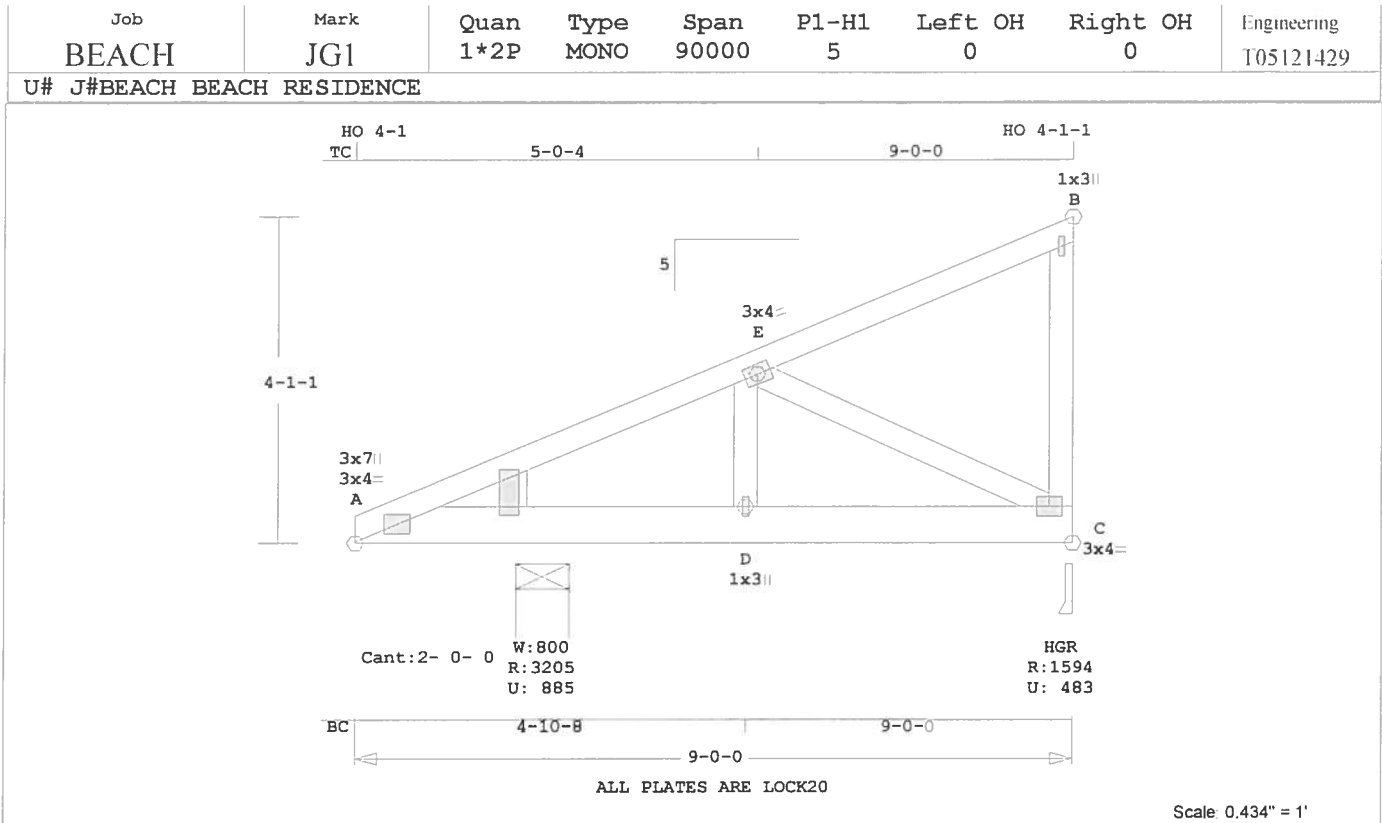
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

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: 130 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 226 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: 64.3 LBS

Online Plus -- Version 18.0.020
 RUN DATE: 14-DEC-05

 * 2-Ply Truss *

CSI -Size- ----Lumber-----
 TC 0.53 2x 4 SP-#2
 BC 0.95 2x 6 SP-#2
 WB 0.07 2x 4 SP-#2
 WG --- 2x 6 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 9- 0- 0
 BC Cont. 0- 0- 0 9- 0- 0

Loading Live Dead (psf)
 TC 20.0 10.0
 BC 0.0 10.0
 Total 20.0 20.0
 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' 9.0'
 BC V 227 247 0.0' 9.0'

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	3205	886	8- 0	1-13
			Hz =	-118
C	1595	483	3- 8	1- 0
			Hz =	248

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 A -E 0.53 985 C 0.00 0.53

E -B 0.18 91 C 0.00 0.18
 -----Bottom Chords-----
 A -D 0.95 832 T 0.05 0.90
 D -C 0.53 832 T 0.05 0.48
 -----Webs-----
 D -E 0.07 802 T
 E -C 0.05 929 C
 C -B 0.02 153 C WindLd

LL Defl -0.03" in D -C L/999
 TL Defl -0.07" in D -C L/999
 Shear // Grain in A -A 0.78

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 0.78
 A LOCK 3.0x 7.0 Ctr Ctr 0.00
 E LOCK 3.0x 4.0 Ctr Ctr 0.43
 B LOCK 1.0x 3.0 Ctr Ctr 0.75
 D LOCK 1.0x 3.0 Ctr Ctr 0.86
 C LOCK 3.0x 4.0 Ctr Ctr 0.67

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 24- 8- 0
 2 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-

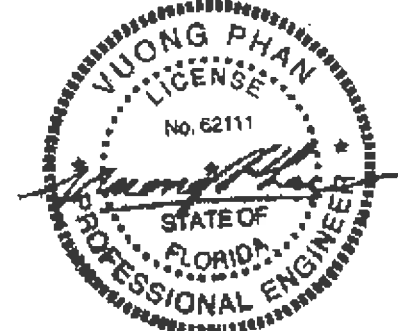
SDS3 screws -OR- 10d nails
 as each layer is applied.)

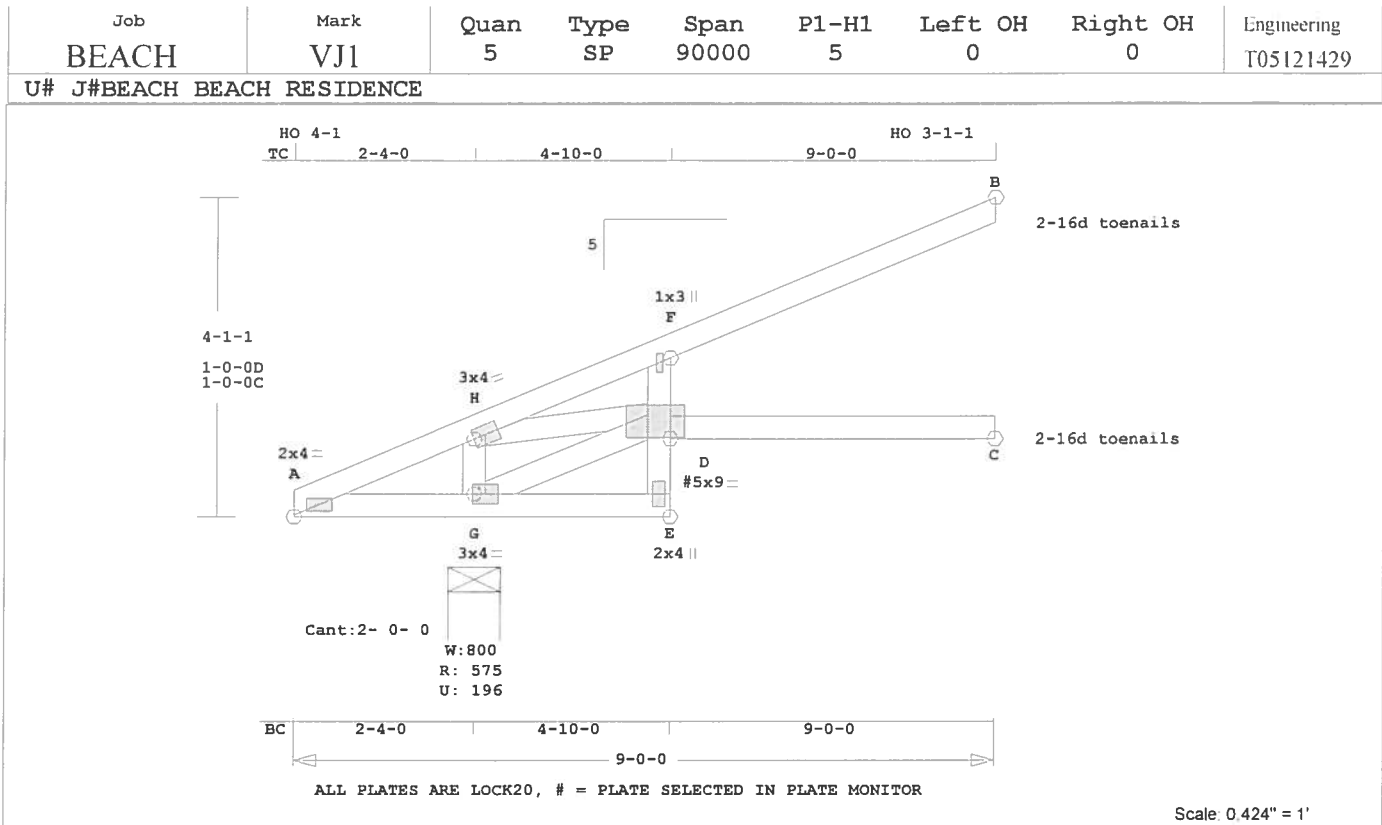
-----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 12 24 0
 WB 1 4 4

Design checked for 10 psf non-
 concurrent LL on BC.
 Prevent truss rotation at all
 bearing locations.
 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: 130 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 985 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: 48.7 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

CSI	-Size-	---Lumber---
TC	0.41	2x 4 SP-#2
BC	0.12	2x 4 SP-#2
CW	0.07	2x 4 SP-#2
WB	0.06	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 0- 0
BC Cont.	0- 0- 0	9- 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 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	575	197	8- 0	1- 0
			Hx =	470
B	174	116	3- 8	1- 0
			Hx =	47
C	90	0G	3- 8	1- 0
G	= Gravity Uplift			

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A	-H	0.41	92 T	0.01	0.40
H	-F	0.40	65 C	0.00	0.40
F	-B	0.36	53 C	0.00	0.36
-----Bottom Chords-----					
A	-G	0.06	70 C	0.00	0.06
G	-E	0.04	19 C	0.00	0.04
E	-D	0.01	17 T	0.00	0.01

D	-C	0.12	0 T	0.00	0.12
-----Chord-Webs-----					
D	-G	0.07	482 T	0.07	0.00
E	-D	0.01	17 T	0.00	0.01
-----Webs-----					
G	-H	0.03	410 C		
G	-D	0.06	582 C		
H	-D	0.02	147 T		
LL Defl	-0.02"	in D	-C	L/999	
TL Defl	-0.04"	in D	-C	L/999	
LL Cant	0.01"	in A	-G	L/999	
Shear //	Grain in H	-F		0.27	
Hx Disp	LL	DL	TL		
Jt C	0.01"	0.01"	0.01"		

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 0.68
H LOCK 3.0x 4.0 Ctr Ctr 0.41
F LOCK 1.0x 3.0 Ctr Ctr 0.75
G LOCK 3.0x 4.0 Ctr Ctr 0.38
E LOCK 2.0x 4.0 Ctr Ctr 0.58
D# LOCK 5.0x 9.0-0.6 0.9 0.28

= Plate Monitor used

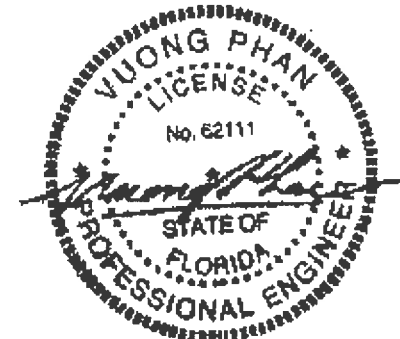
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

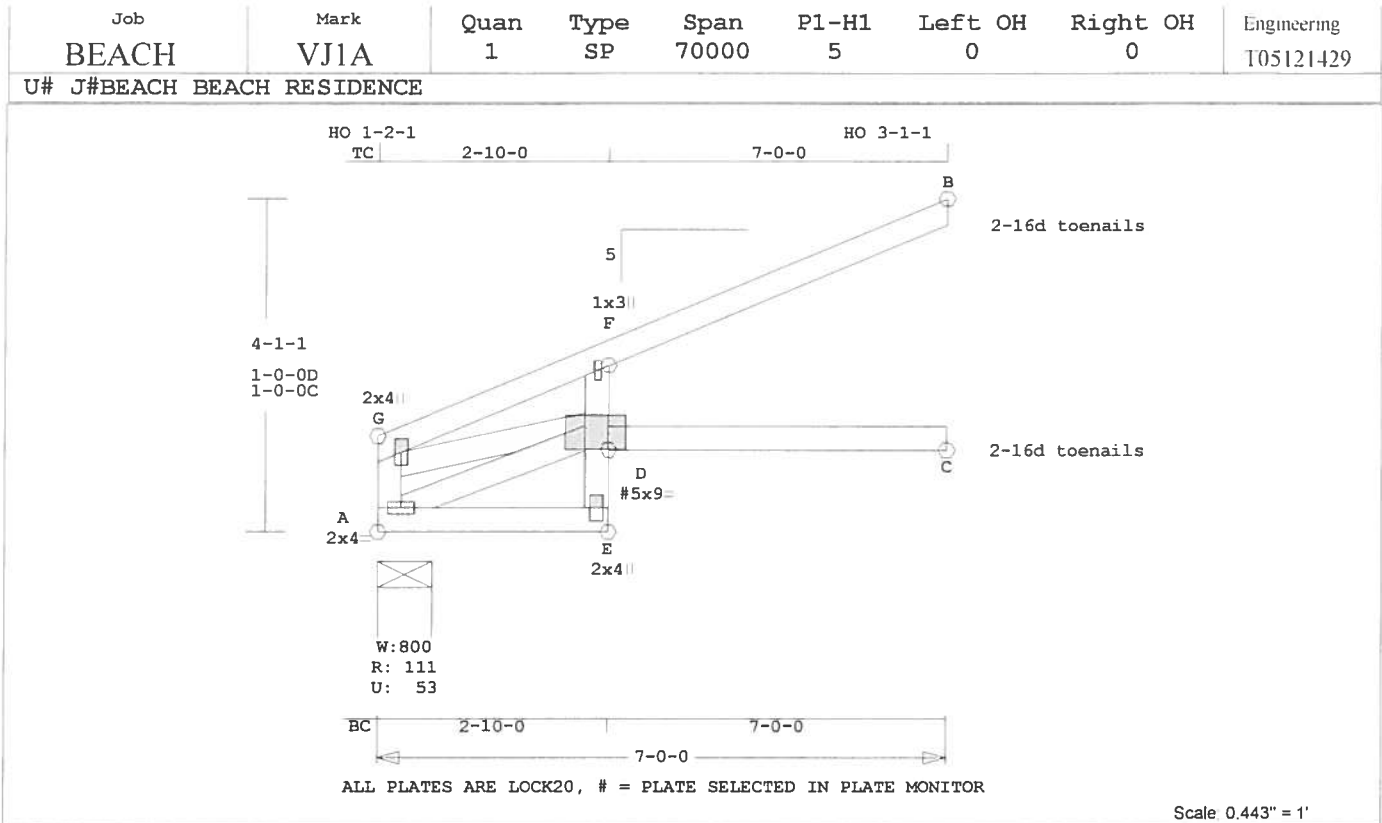
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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
Provide connection to bearing
for 469 Lbs Horiz Reaction
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: 130 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 582 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: 41.5 LBS

Online Plus -- Version 18.0.020
RUN DATE: 14-DEC-05

	CSI	-Size-	-----Lumber-----
TC	0.41	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
CW	0.07	2x 4	SP-#2
WB	0.05	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=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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	112	53	8- 0	1- 0
			Hx =	-282
B	180	119	3- 8	1- 0
			Hx =	92
C	120	0G	3- 8	1- 0
G				

G = Gravity Uplift

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
G -F	0.41		67 C	0.00	0.41
F -B	0.39		64 T	0.00	0.39
-----Bottom Chords-----					
A -E	0.03		89 T	0.01	0.02
E -D	0.07		27 T	0.00	0.07

D	-C	0.25	0 T	0.00	0.25
-----Chord-Webs-----					
D -A	0.04	344 C	0.04	0.00	
E -D	0.07	27 T	0.00	0.07	
-----Webs-----					
A -G	0.01	199 C	0.01	0.00	
A -D	0.05	302 T			
G -D	0.03	229 T	0.03	0.00	
LL Defl	-0.04"	in D	-C	L/999	
TL Defl	-0.09"	in D	-C	L/804	
Shear //	Grain in G	-F	0.27		
Hx Disp	LL	DL	TL		
Jt C	0.01"	0.02"	0.03"		

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
G LOCK 2.0x 4.0 Ctr Ctr 0.75
F LOCK 1.0x 3.0 Ctr Ctr 0.75
A LOCK 2.0x 4.0 Ctr Ctr 0.75
E LOCK 2.0x 4.0 Ctr Ctr 0.58
D# LOCK 5.0x 9.0-0.1 0.9 0.34

= Plate Monitor used

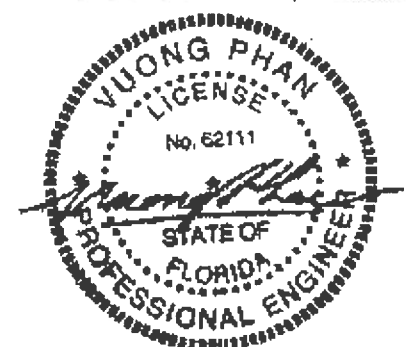
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

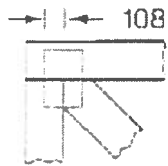
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 130 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 344 Lbs
Quality Control Factor 1.25

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', 2" or 1'-5") or in feet (i.e. 108).

PLATE SIZE

6 x 8

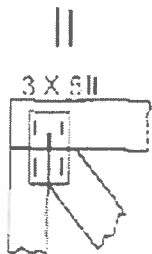
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.



LATERAL BRACING

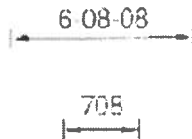
Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

PLATE ORIENTATION



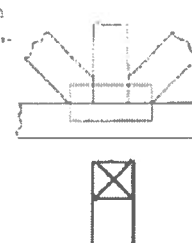
Shown next to plate size, indicates direction of slots in connector plate.

DIMENSIONS



All dimensions are shown in FEET-INCH (i.e. 6'-8 1/2" or 6'-08-08). Dimensions less than one foot are shown in INCH only (i.e. 708).

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" bearings at each end, unless indicated otherwise. Cutting and fabrication shall be performed on equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and these 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. These designs were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (TPI), 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 the 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 the 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 THESE DESIGNS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE TRUSS DESIGN DRAWINGS & VERIFY THAT DATA INCLUDING DIM. & LOADS CONFORM TO ARCH. PLAN/SPECS & FAB. TRUSS PLACEMENT DIAGRAM.



Corporate Headquarters

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