

This Permit Expires One Year From the Date of Issue

APPLICANT	MAX L. BASS	PHONE	386.935.4318
ADDRESS	23883 CR 49	O'BRIEN	FL 32071
OWNER	CHARLIE & RACHEL STEPHENS	PHONE	386.752.8206
ADDRESS	2270 SW BIRLEY AVENUE	LAKE CITY	FL 32024
CONTRACTOR	MAX L. BASS	PHONE	386.364.7530

LOCATION OF PROPERTY
90-W TO C-252 TO BIRLEY RD, TL GO 3 BLOCKS, PROPERTY ON L.

TYPE DEVELOPMENT	SFD/UTILITY	ESTIMATED COST OF CONSTRUCTION	900000.00			
HEATED FLOOR AREA	1800.00	TOTAL AREA	1920.00			
FOUNDATION	CONC	WALLS FRAMED	ROOF PITCH	6/12	FLOOR	CONC
LAND USE & ZONING	A-3	MAX. HEIGHT	35			
Minimum Set Back Requirements:	STREET-FRONT	30.00	REAR	25.00	SIDE	25.00
NO. EX.D.U.	0	FLOOD ZONE	X	DEVELOPMENT PERMIT NO.		
PARCEL ID	08-4S-16-02817-002	SUBDIVISION		TOTAL ACRES	1.50	

Culvert Permit No.		Contractor's License Number	RR28281119
EXISTING		CU	05-0512
Driveway Connection		Septic Tank Number	
COMMENTS:	SECTION 14.9 SPECIAL FAMILY LOT. PERMIT TO DAUGHTER.(PROPOSED I.D.#)		
1 FOOT ABOVE RD. PREVENTATIVE TREATMENT REPORT.			

Check # or Cash1911

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power	date/app. by	Foundation	date/app. by	Monolithic	date/app. by	(Footer/Slab)	
Under slab rough-in plumbing	date/app. by	Slab	date/app. by	Sheathing/Nailing	date/app. by		
Framing	date/app. by	Rough-in plumbing above slab and below wood floor	date/app. by				
Electrical rough-in	date/app. by	Heat & Air Duct	date/app. by	Peri. beam (Lintel)	date/app. by		
Permanent power	date/app. by	C.O. Final	date/app. by	Culvert	date/app. by		
M/H tie downs, blocking, electricity and plumbing	date/app. by			Pool	date/app. by		
Reconnection	date/app. by	Pump pole	date/app. by	Utility Pole	date/app. by		
M/H Pole	date/app. by	Travel Trailer	date/app. by	Re-roof	date/app. by		

BUILDING PERMIT FEE \$	450.00	CERTIFICATION FEE \$	9.60	SURCHARGE FEE \$	9.60
MISC. FEES \$	.00	ZONING CERT. FEE \$	50.00	FIRE FEES \$	.00
FLOOD DEVELOPMENT FEE \$		CULVERT FEE \$	25.00	TOTAL FEE	544.20

INSPECTORS OFFICE

CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY, AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION. IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE. PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only	Application # 0510-28	Date Received 10/10/05	By JWL	Permit # 23833
Application Approved by - Zoning Official GLK Date 08.11.05				
Plans Examiner OK JTH Date 10-25-05				
Land Use Plan Map Category A-3				
Section 14.9 Special Permit				
Permit To Construct				
Comments * CK# 1911				

Applicants Name Max L. Boss Address 23883 CR 49 Obanua Flr 32071 Phone 386-364-7530

Owners Name Charlie & Rachel Stephens Address 2270 SW Birley Ave Lake City Flr 32074 Phone 752-8206

Contractors Name Max L. Boss / B & B Homes Address 23883 CR 49 Obanua Flr 32071 Phone 935-4371

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disosway POB 868 Lake City 32056

Mortgage Lenders Name & Address Capital City Bank 814 Suwannee Ave Orlando 32803

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 02817-000 (08-45-16) Estimated Cost of Construction 110,000

Subdivision Name W on Pinemount to Birley Road - TL 003 3 Blks on left

Type of Construction SFR Number of Existing Dwellings on Property 0

Total Acreage 1.50 Lot Size 1.50 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 155' Side 81' Side 81' Rear 104'

Total Building Height 17.5' Number of Stories 1 Heated Floor Area 1800 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor) Max L. Boss

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 10 day of October 20 05

Personally known / or Produced Identification /

Notary Signature



Contractor Signature [Signature]
Contractors License Number 228281195
Competency Card Number 5630
NOTARY STAMP/SEAL

11 73823

This Instrument Prepared by & return to:
Name: KIM WATSON, an employee of
TITLE OFFICES, LLC
Address: 1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
File No. 05X-08170KW

Inst: 2005024767 Date: 10/05/2005 Time: 14:50
Doc Stamp-Deed: 0.70
MK
DC, P. Dewitt Cason, Columbia County B: 1060 P: 2447

Parcel I.D. #: 02817-000

SPACE ABOVE THIS LINE FOR RECORDING DATA

SPACE ABOVE THIS LINE FOR PROCESSING DATA

THIS WARRANTY DEED

Made the 29th day of September, A.D. 2005, by JAMES R. JOYNER and CHARLENE L. JOYNER, HIS WIFE, hereinafter called the grantors, to JASON C. STEPHENS, SR. and RACHEL STEPHENS, HIS WIFE, whose post office address is 2270 SW BIRLEY AVE., LAKE CITY, FL 32024

hereinafter called the grantees:

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantors, for and in consideration of the sum of \$10,000 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of FLORIDA, viz:

COMMENCE AT THE NORTHEAST CORNER OF THE NW 1/4 OF SECTION 8, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°45'35" W, ALONG THE NORTH LINE OF SAID NW 1/4, 45.02 FEET; THENCE S 02°06'04" E, 239.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 02°06'04" E, 221.67 FEET; THENCE S 88°47'13" W, 294.78 FEET; THENCE N 02°06'04" W, 221.67 FEET; THENCE N 88°47'13" E, 294.78 FEET TO THE POINT OF BEGINNING.

JAMES R. JOYNER AND CHARLENE L. JOYNER, HIS WIFE HAVE BEEN CONTINUOUSLY MARRIED WITHOUT INTERRUPTION FROM THE TIME THEY ACQUIRED THE PROPERTY ON OCTOBER 8, 1990 UNTIL THIS DATE.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

In Witness Whereof, the said grantors have signed and sealed these presents, the day and year first above

written.

Signed, sealed and delivered in the presence of:

Witness Signature
L. L. Mettew JR
Printed Name
Martha Bryan
Witness Signature
Martha Bryan
Printed Name

James R. Joyner
Address: 2382 SW BIRLEY AVE, LAKE CITY, FLORIDA 32024
L.S.
James R. Joyner
Address: 2382 SW BIRLEY AVE, LAKE CITY, FLORIDA 32024
L.S.

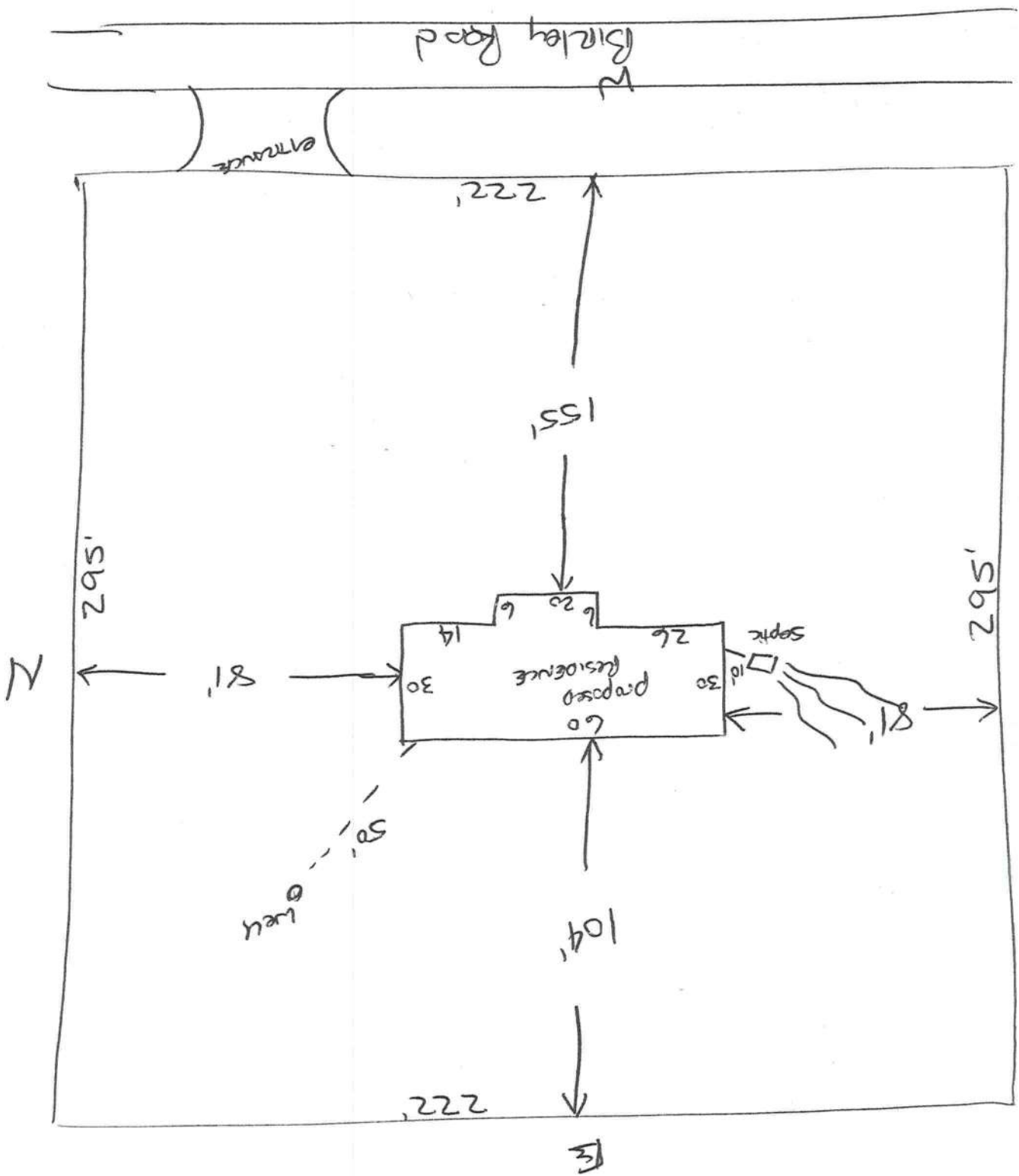
STATE OF FLORIDA
COUNTY OF COLUMBIA

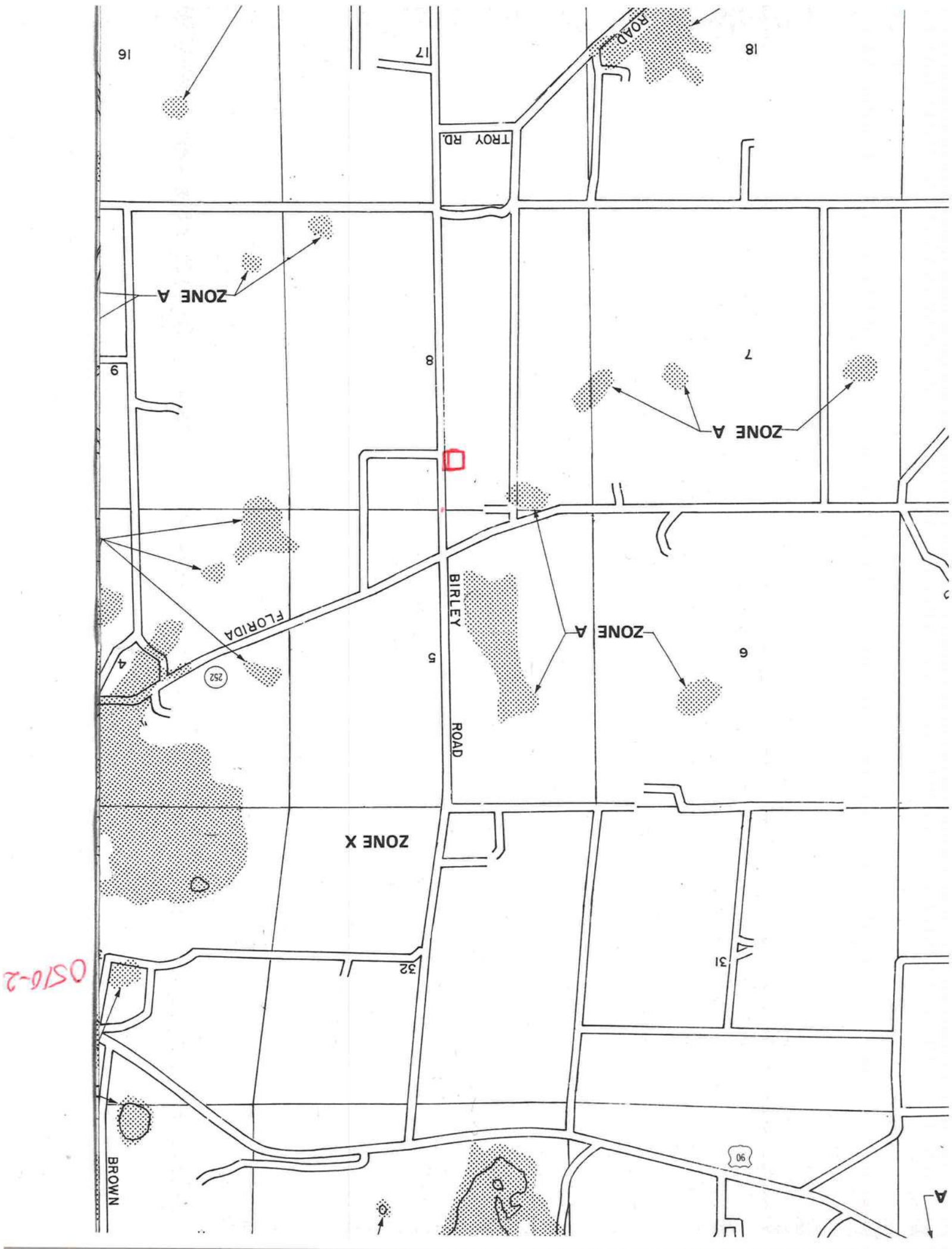
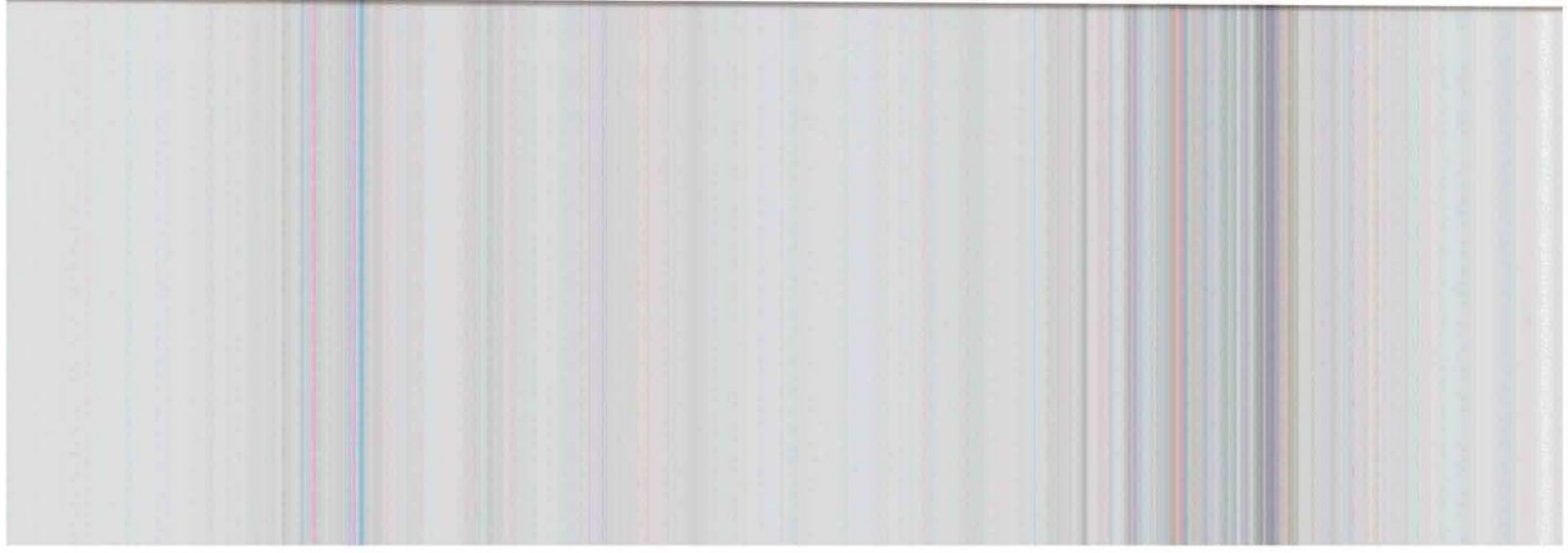
The foregoing instrument was acknowledged before me this 29th day of September, 2005, by JAMES R. JOYNER and CHARLENE L. JOYNER, who are known to me or who have produced as identification.

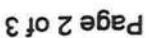
Notary Public
My commission expires
Martha Bryan

Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Firm - Insurance, Inc. 800-365-7019

B & B Homes - SITE PLAN STEPHENS JOB







LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL 32025
Phone 386-752-6677
Fax 386-752-1477

Building Permit # _____ Owner's Name Charlie Stephens

Well Depth _____ Ft. Casing Depth _____ Ft. Water Level _____ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Summit Pump Model SAC-100 HP 1

System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 30 (GPM)

Tank Installation: Bladder/Galvanized Make Challenger Model PC 844 Size 81

Tank Draw-down per cycle at system pressure _____ gallons 25.1

I HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN
INSTALLED AS PER THE ABOVE INFORMATION.

Signature Linda Newcomb

License Number 2609
Date 10-5-05
Print Name Linda Newcomb

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.2

The higher the score, the more efficient the home.

Mr. & Mrs. Stephens, ...

- 1. New construction or existing
- 2. Single family or multi-family
- 3. Number of units, if multi-family
- 4. Number of Bedrooms
- 5. Is this a worst case?
- 6. Conditioned floor area (ft²)
- 7. Glass area & type
- 8. Floor types
- 9. Wall types
- 10. Ceiling types
- 11. Ducts
- 12. Sup: Unc. Ret. Con. AH: Interior

- 1. New
- 2. Single family
- 3. Heating systems
- 4. Heating systems
- 5. Heating systems
- 6. Heating systems
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- 94. Heating systems
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- 96. Heating systems
- 97. Heating systems
- 98. Heating systems
- 99. Heating systems
- 100. Heating systems



*NOTE: The home's estimated energy performance score is only available through the FLA RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE Energy Star designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321 638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs, Bureau of Building & Construction, 1110 N. West 1st St., Tallahassee, FL 32301.

Address of New Home: 2270 Sw Birley Ave City/FL Zip: Wk City Fl 32024

Builder Signature: [Signature] Date: 10/5/05
I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE														AS-BUILT													
GLASS TYPES														Type/SC													
.18 X Conditioned X BSPM = Points														Overhang													
Floor Area														Omt Len Hgt Area X SPM X SOF = Points													
.18	1800.0	20.04	6493.0	Double, Clear	E	2.0	6.0	30.0	42.06	0.85	1070.1	Double, Clear	E	2.0	6.0	30.0	42.06	0.85	1070.1								
				Double, Clear	N	2.0	5.3	8.7	19.20	0.88	146.7	Double, Clear	N	2.0	5.3	8.7	19.20	0.88	146.7								
				Double, Clear	N	2.0	3.3	4.7	19.20	0.80	71.4	Double, Clear	N	2.0	3.3	4.7	19.20	0.80	71.4								
				Double, Clear	E	6.0	6.0	30.0	42.06	0.52	653.4	Double, Clear	E	6.0	6.0	30.0	42.06	0.52	653.4								
				Double, Clear	W	2.0	6.0	15.0	38.52	0.85	490.8	Double, Clear	W	2.0	6.0	15.0	38.52	0.85	490.8								
				Double, Clear	N	8.0	6.0	15.0	19.20	0.67	192.5	Double, Clear	N	8.0	6.0	15.0	19.20	0.67	192.5								
				Double, Clear	W	2.0	6.0	15.0	38.52	0.85	490.8	Double, Clear	W	2.0	6.0	15.0	38.52	0.85	490.8								
As-Built Total:														118.3													
3115.9														118.3													
WALL TYPES														Type													
Area X BSPM = Points														R-Value													
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior										19.0	1262.8	0.90	1136.5	Area X SPM = Points									
Exterior	0.0	1262.8	1.70	2146.7										As-Built Total:													
2146.7														1262.8													
Base Total:														1262.8													
DOOR TYPES														Type													
Area X BSPM = Points														R-Value													
Adjacent	0.0	0.00	0.0	Exterior Insulated										20.4	4.10	83.6	Area X SPM = Points										
Exterior	0.0	59.8	6.10	365.0										As-Built Total:													
365.0														59.8													
Base Total:														59.8													
CEILING TYPES														Type													
Area X BSPM = Points														R-Value													
Under Attic	1800.0	1.73	3114.0	Under Attic										30.0	1800.0	1.73 X 1.00	3114.0	Area X SPM X SCM = Points									
3114.0														1800.0													
Base Total:														1800.0													
FLOOR TYPES														Type													
Area X BSPM = Points														R-Value													
Slab	180.0(p)	-37.0	-6660.0	Slab-On-Grade Edge Insulation										0.0	180.0(p)	-41.20	-7416.0	Area X SPM = Points									
Raised	0.0	0.00	0.0	As-Built Total:										180.0													
-6660.0														-7416.0													
Base Total:														-6660.0													
INFILTRATION														Area X BSPM = Points													
1800.0														10.21													
18378.0														18378.0													

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE	AS-BUILT
Summer Base Points: 23836.7	Summer As-Built Points: 18573.7
Total Summer X System = Cooling Points	Total X Cap X Duct X System X Credit = Cooling Points
Points Multiplier	Component Ratio Multiplier Multiplier Multiplier (DM x DSM x AHU)
0.4266	1.00 (1.081 x 1.147 x 0.91) 0.341
10168.7	18573.7
23836.7	18573.7
1.000	1.000
7152.6	7152.6

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE																															
GLASS TYPES																															
.18 X Conditioned X BWPM = Points																															
Floor Area																															
.18	1800.0	12.74	4127.8																												
Type/SC																															
Overhang																															
Omt Len Hgt Area X WPM X WOF = Points																															
Double, Clear	E	2.0	6.0	30.0	18.79	1.06	597.9	214.3	1.01	24.58	8.7																				
Double, Clear	N	2.0	5.3	8.7	24.58	1.01	214.3	116.0	1.01	24.58	4.7																				
Double, Clear	N	2.0	3.3	4.7	24.58	1.01	116.0	724.9	1.29	18.79	30.0																				
Double, Clear	E	6.0	6.0	30.0	18.79	1.29	724.9	324.2	1.04	20.73	15.0																				
Double, Clear	W	2.0	6.0	15.0	20.73	1.04	324.2	376.6	1.02	24.58	15.0																				
Double, Clear	N	8.0	6.0	15.0	24.58	1.02	376.6	324.2	1.04	20.73	15.0																				
Double, Clear	W	2.0	6.0	15.0	20.73	1.04	324.2	2678.1																							
Type																															
R-Value																															
Area X WPM = Points																															
Frame, Wood, Exterior																															
19.0	1262.8	2.20	2778.1																												
As-Built Total:																															
1262.8																															
Area X WPM = Points																															
DOOR TYPES																															
Area X BWPM = Points																															
Adjacent	0.0	0.00	0.0																												
Exterior	1262.8	3.70	4672.2																												
Base Total:																															
1262.8																															
Type																															
R-Value																															
Area X WPM X WCM = Points																															
Under Attic																															
1800.0	2.05	3690.0																													
Base Total:																															
1800.0																															
Type																															
R-Value																															
Area X WPM = Points																															
CEILING TYPES																															
Area X BWPM = Points																															
Adjacent	0.0	0.00	0.0																												
Exterior	59.8	12.30	736.0																												
Base Total:																															
59.8																															
Type																															
R-Value																															
Area X WPM X WCM = Points																															
Under Attic																															
1800.0	2.05	3690.0																													
Base Total:																															
1800.0																															
Type																															
R-Value																															
Area X WPM = Points																															
FLOOR TYPES																															
Area X BWPM = Points																															
Slab	180.0(p)	8.9	1602.0																												
Raised	0.0	0.00	0.0																												
Base Total:																															
1602.0																															
Type																															
R-Value																															
Area X WPM = Points																															
INFILTRATION																															
Area X BWPM = Points																															
Slab-On-Grade Edge Insulation																															
180.0(p)	0.0	180.0(p)	18.80																												
As-Built Total:																															
180.0																															
Area X WPM = Points																															
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WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE	AS-BUILT
Winter Base Points: 13766.0	Winter As-Built Points: 11970.8
Total Winter X System = Heating Points	Total X Cap X Duct X System X Credit = Heating Points
Multiplier	Multiplier
Points	Points
Component Ratio	(DM x DSM x AHU)
1.000 (1.060 x 1.169 x 0.93)	0.467
1.152	1.000
0.6274	6444.1
8636.8	6444.1
13766.0	11970.8

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT				
WATER HEATING									
Number of		X		Multiplier = Total	Number of		X		Ratio
Bedrooms					Bedrooms		Tank X		Multiplier
4				2746.00	4				1.00
				10984.0					2746.00
									1.00
									10984.0
									10984.0
									As-Built Total:

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points		+	Heating Points		+	Hot Water Points		=	Total Points
10169			8637			10984			29790
Cooling Points		+	Heating Points		+	Hot Water Points		=	Total Points
7153			6444			10984			24581

Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq. ft. window area; .5 cfm/sq. ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor.	
Floors	606.1.ABC.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqs	606.1.ABC.1.3	Exhaust fans vented to outdoors; dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: B & B Homes - Stephens
City, State: Mr. & Mrs. Stephens North
Owner: Climate Zone:
Address:

Builder: B & B Homes
Permitting Office: 23883
Permit Number: 221000
Jurisdiction Number:

1. New construction or existing
2. Single family or multi-family
3. Number of units, if multi-family
4. Number of Bedrooms
5. Is this a worst case?
6. Conditioned floor area (ft²)
7. Glass area & type
- a. Clear glass, default U-factor
- b. Default tint
- c. Labeled U or SHGC
8. Floor types
- a. Slab-On-Grade Edge Insulation
- b. N/A
- c. N/A
9. Wall types
- a. Frame, Wood, Exterior
- b. N/A
- c. N/A
10. Ceiling types
- a. Under Attic
- b. N/A
- c. N/A
11. Ducts
- a. Sup. Unc. Ret. Com. AH: Interior
- b. N/A
- Sup. R=6.0, 35.0 ft

New

Single family

1

4

No

1800 ft²

Double Pane

118.3 ft²

0.0 ft²

0.0 ft²

0.0 ft²

0.0 ft²

R=0.0, 180.0(p) ft

R=19.0, 1262.8 ft²

R=30.0, 1800.0 ft²

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: M. Hopkins

DATE: 10/14/05

OWNER/AGENT: Mr. & Mrs. Stephens

DATE: 10/15/05

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

DATE:

Glass/Floor Area: 0.07

Total as-built points: 24581

Total base points: 29790

PASS

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL:

DATE:

Summary Energy Code Results

Residential Whole Building Performance Method A

Mr. & Mrs. Stephens

Project Title:
B & B Homes - Stephens

Code Only
Professional Version
Climate: North
10/4/2005

Building Loads				
Base		As-Built		
Summer:	23837 points	Summer:	18574 points	
Winter:	13766 points	Winter:	11971 points	
Hot Water:	9666 points	Hot Water:	9666 points	
Total:	47269 points	Total:	40211 points	

Energy Use				
Base		As-Built		
Cooling:	10169 points	Cooling:	7153 points	
Heating:	8637 points	Heating:	6444 points	
Hot Water:	10984 points	Hot Water:	10984 points	
Total:	29790 points	Total:	24581 points	

PASS

e-Ratio: 0.83

System Sizing Calculations - Summer

Residential Load - Component Details

Mr. & Mrs. Stephens
 Project Title:
 B & B Homes - Stephens
 Code Only
 Professional Version
 Climate: North
 10/4/2005

Reference City: Tallahassee (Defaults)
 Summer Temperature Difference: 17.0 F

Window	Type	Overhang	Window Area(sqft)	HTM	Load
1	2, Clear, DEF, B, N	E	30.0	28.0	15
2	2, Clear, DEF, B, N	N	8.7	8.7	15
3	2, Clear, DEF, B, N	N	4.7	4.7	15
4	2, Clear, DEF, B, N	E	30.0	11.9	15
5	2, Clear, DEF, B, N	W	15.0	2.0	15
6	2, Clear, DEF, B, N	N	15.0	0.0	15
7	2, Clear, DEF, B, N	W	15.0	2.0	15
Window Total			118		45
Type			Gross Shaded Unshaded	Shaded Unshaded	
Panesh/SHGC/U/insh/Exsh Omt			Len Hgt		
Type			R-Value		
Frame - Exterior			Area		
Wall Total			1262.8		
Doors			Area		
Type			Area		
1			20.4		
2			19.0		
3			20.4		
Door Total			59.8		
Type/Color			Area		
Under Attic/Dark			1800.0		
Ceiling Total			1800.0		
Type			Size		
Slab-On-Grade Edge Insulation			180.0 ft(p)		
Floor Total			180.0		
Infiltration			ACH		
Type			Volume		
Natural			18000		
Mechanical			CFM=		
Infiltration Total			105.2		
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Internal gain	Occupants	Btuh/occupant	X	300	+	Appliance	1200	Load	3600	Btuh
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Totals for Cooling	Subtotal	14109	Btuh
	Duct gain(using duct multiplier of 0.10)	1411	Btuh
	Total sensible gain	15520	Btuh
	Latent infiltration gain (for 46 gr. humidity difference)	3291	Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840	Btuh
TOTAL GAIN		20650	Btuh
Latent other gain		0	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mr. & Mrs. Stephens
Project Title:
B & B Homes - Stephens

Code Only
Professional Version
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Drapes(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Omt - compass orientation)

System Sizing Calculations - Winter

Residential Load - Component Details

Mr. & Mrs. Stephens

Project Title:
B & B Homes - Stephens

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Winter Temperature Difference: 40.0 F

10/4/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	E	30.0	29.0	870 Btuh
2	2, Clear, Metal, DEF	N	8.7	29.0	251 Btuh
3	2, Clear, Metal, DEF	N	4.7	29.0	135 Btuh
4	2, Clear, Metal, DEF	E	30.0	29.0	870 Btuh
5	2, Clear, Metal, DEF	W	15.0	29.0	435 Btuh
6	2, Clear, Metal, DEF	N	15.0	29.0	435 Btuh
7	2, Clear, Metal, DEF	W	15.0	29.0	435 Btuh
Window Total					
			118		3432 Btuh
Walls	1	Type	R-Value	Area X	HTM=
		Frame - Exterior	19.0	1263	2.4
		Wall Total		1263	
Doors	1	Type	R-Value	Area X	HTM=
		Insulated - Exterior		20	18.8
		Insulated - Exterior		19	18.8
		Insulated - Exterior		20	18.8
		Door Total		60	
Ceilings	1	Type	R-Value	Area X	HTM=
		Under Attic	30.0	1800	1.3
		Ceiling Total		1800	
Floors	1	Type	R-Value	Size X	HTM=
		Slab-On-Grade Edge Insul	0	180.0 ft(p)	32.4
		Floor Total		180	
Infiltration		Type	ACH X	Building Volume	CFM=
		Natural	0.40	18000(sqft)	120
		Mechanical			0
		Infiltration Total			120

Totals for Heating		
Subtotal	Duct Loss(using duct multiplier of 0.05)	Total Btuh Loss
21050 Btuh	1052 Btuh	22102 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - Manual Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Residential System Sizing Calculation

Mr. & Mrs. Stephens

Summary

Project Title:
B & B Homes - Stephens

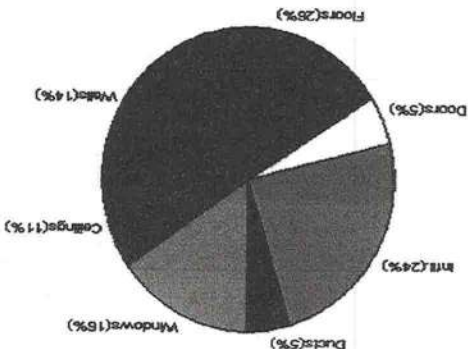
Code Only
Professional Version
Climate: North

Location for weather data: Tallahassee - Defaults: Latitude(30) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(46gr.)			
Winter design temperature	30 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	40 F	Summer temperature difference	17 F
Total heating load calculation		Total cooling load calculation	
22102 Btuh	% of calc	20650 Btuh	% of calc
Submitted heating capacity	Btuh	Submitted cooling capacity	Btuh
149.3	33000	Sensible (SHR = 0.5)	106.3
Total (Electric Heat Pump)		Total (Electric Heat Pump)	
303.7	67130	Latent	321.6
Heat Pump + Auxiliary(10.0kW)			
303.7	67130		159.8

WINTER CALCULATIONS

Winter Heating Load (for 1800 sqft)

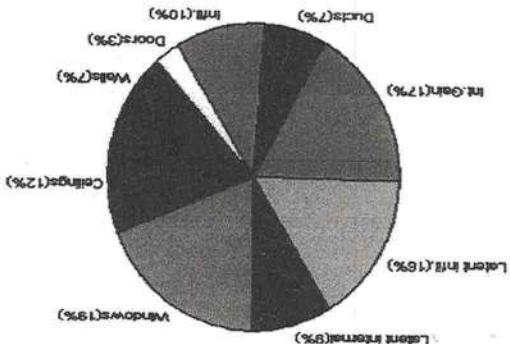
Load component			
Window total	118	sqft	3432
Wall total	1263	sqft	3031
Door total	60	sqft	1125
Ceiling total	1800	sqft	2340
Floor total	180	ft	5832
Infiltration	120	cfm	5291
Subtotal			21050
Duct loss			1052
TOTAL HEAT LOSS			22102



SUMMER CALCULATIONS

Summer Cooling Load (for 1800 sqft)

Load component			
Window total	118	sqft	3939
Wall total	1263	sqft	1541
Door total	60	sqft	578
Ceiling total	1800	sqft	2484
Floor total	0	Btuh	0
Infiltration	105	cfm	1967
Internal gain			3600
Subtotal(sensible)			14109
Duct gain			1411
Total sensible gain			15520
Latent gain(infiltration)			3291
Latent gain(internal)			1840
Total latent gain			5131
TOTAL HEAT GAIN			20650



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: *Stephens*
DATE: 10/4/05

The first part of the paper discusses the importance of the research and the objectives of the study. The second part describes the methodology used in the study, including the data collection and analysis techniques. The third part presents the results of the study, and the fourth part discusses the conclusions and implications of the findings.

MISC	
Rater Name: CodeOnlyPro Class #: 3 Duct Leakage Type: N/A Visible Duct Disconnects: N/A Leak Free Duct System Proposed: No HRV/ERV System Present?: No Avg Cell Hgt: 10	Rater Certification #: CodeOnlyPro Area Under Fluorescent: 0.0 Area Under Incandescent: 1800.0 NOTE: Not all Rating info shown

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to: Build permit application Number: **0510-28**

Max Bass Owner Charlie Stephens 2270 SW Birley Ave.

On the date of October 17, 2005 application 0510-28 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0510-28 when making reference to this application.

1. Application 0510-28 which was filed with the building department on the date of October 10, 2005 and will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Mark Disosway was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.

3. Please provide a copy of the release, of the waste water disposal system from the Columbia County Environmental Department.

4. Please submit a recorded notice of commencement with this department prior to requesting any inspections on this dwelling.

5. On the elevation plans show the height of the chimney flue above the roof ridge line and the distance from any adjacent roof ridge lines.

6. Please indicate the type of fireplace that will be installed (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).

7. Please indicate on the floor plan the location of the electrical service panel include amperage rating also include the meter location with type of service entrance (overhead or underground).

8. Please show compliance on the electrical plan of section R313.1 of the FRC:
Smoke alarms: Smoke alarms shall be installed in the following locations:

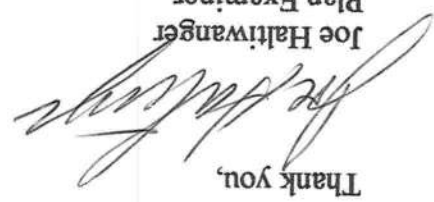
1. In each sleeping room.

2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.

3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an

intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level. When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Mark Disosway, PE

23DEC05
Mark Disosway

Sincerely,

The elevation of the top of the stem wall foundation as prepped for slab by builder is about 2" above the elevation of the county road, Birley Rd at a point immediately in front of the house.

Based on topo maps, FEMA Flood Insurance Rate Map, and visual inspection the proposed finished floor elevation, the top of the stem wall foundation as prepped for slab by builder, is at an adequate elevation to avoid flooding.

Flood Zone of Home Site: Zone X; Based on the FEMA rate map, attached.

Home Site Natural Grade, Elevation: about 110 - 115 ft. Based on topo map, attached.

Zone A flood zone 1500' to west of home site, Elevation: about 105 ft. Based on topo map, attached.

Zone A flood zone 1500' to north of home site, Elevation: about 110 ft. Based on topo map, attached.

Proposed Finished Floor Elevation: 16 - 24" above finished grade in the perimeter of the house.

Observations: This house is slightly higher (about 5 - 10 ft) than nearby isolated flood Zone A established by FEMA based on estimation of the flood zone elevations from the topo map. There appears to be continuous slope drainage to these isolated flood zones. This area seems to rely on infiltration of water into the ground more than runoff to a river.

Anecdotal Evidence: The neighbor across the street and the owners mother have lived near by for years and have never seen flood waters at the proposed home site. There was water standing in the ditch on Birley Road during the storms of 2004.

The finished floor elevation must be minimum 6" above finished grade per FBC2004. The finished grade should slope down from that elevation for another 6" within 12 feet away from the house in all directions so that all runoff drains away from the house. The owner must maintain the swales, slopes, and ditch to provide free drainage to the ditch and prevent any possibility of storm water backing up into the house.

The owner should be aware that if free drainage is not maintained thru fields and across roads and thru culverts to the sink holes, or if future development in the area causes increased storm water run off, or if rainfall occurs with greater flooding effect than the design storm, the level of the nearby Zone A could rise higher than anticipated and his house would be more susceptible to flooding.

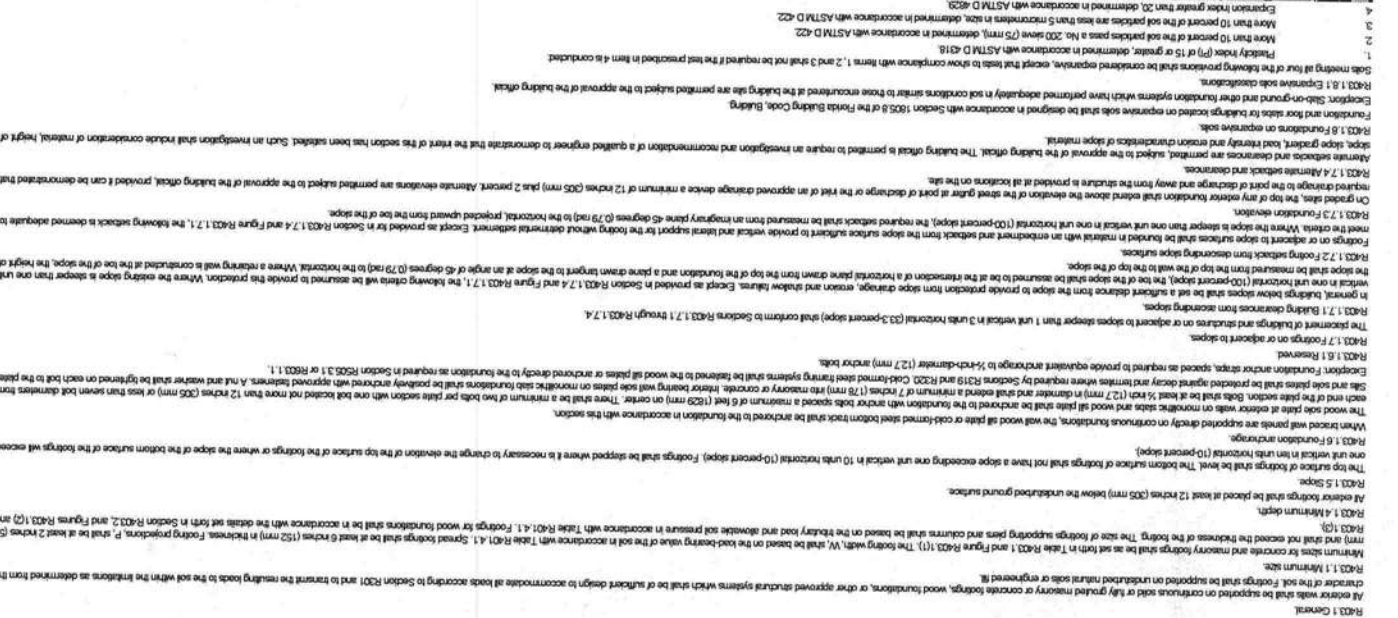
Dear Building Inspector:

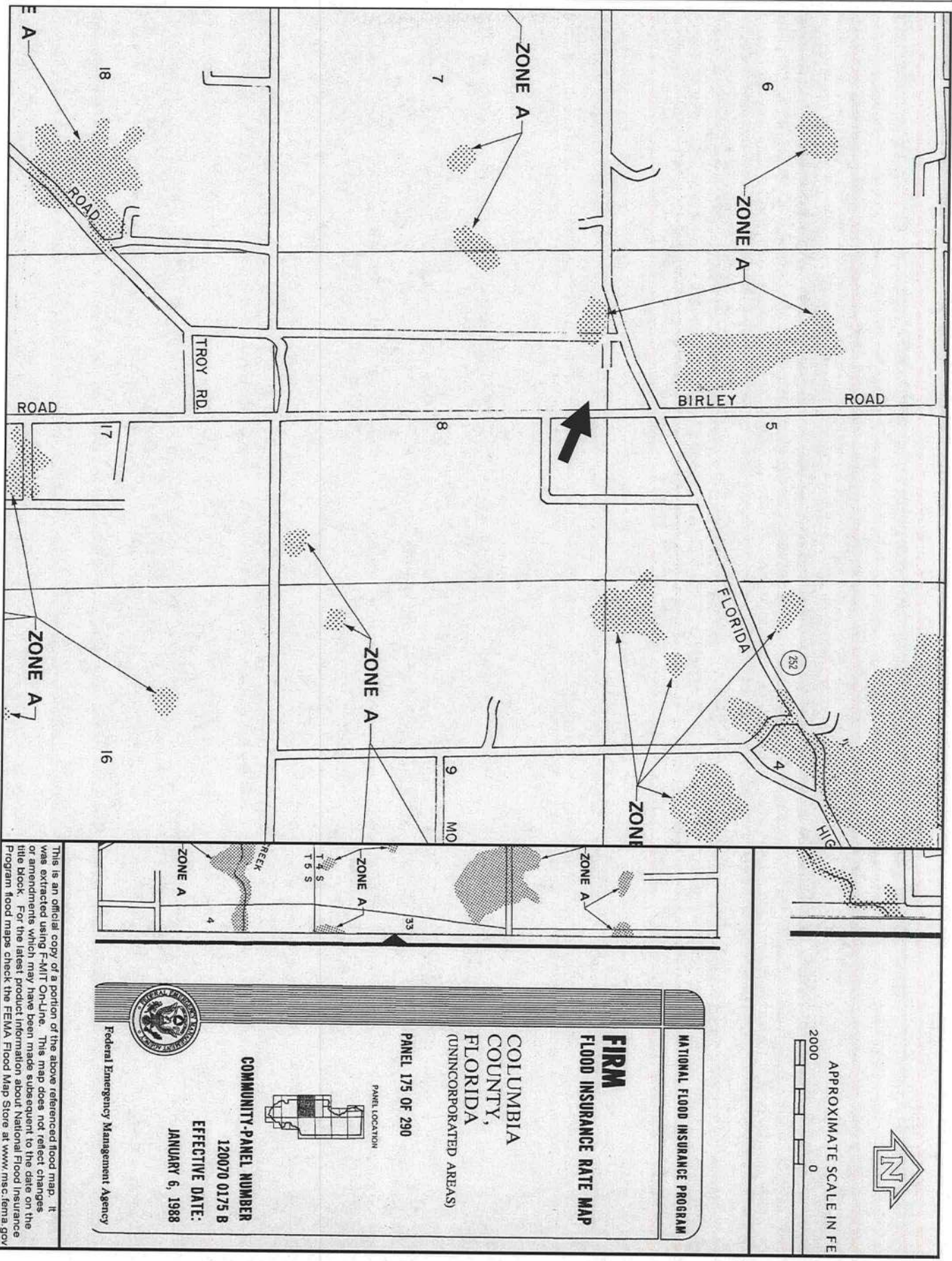
Re: Site Evaluation, B&B Homes, Stephens, Charlie & Rachel, Unit 1, 08-4S-16-02817-002, Columbia County, FL
Building and Zoning, Columbia County, Florida

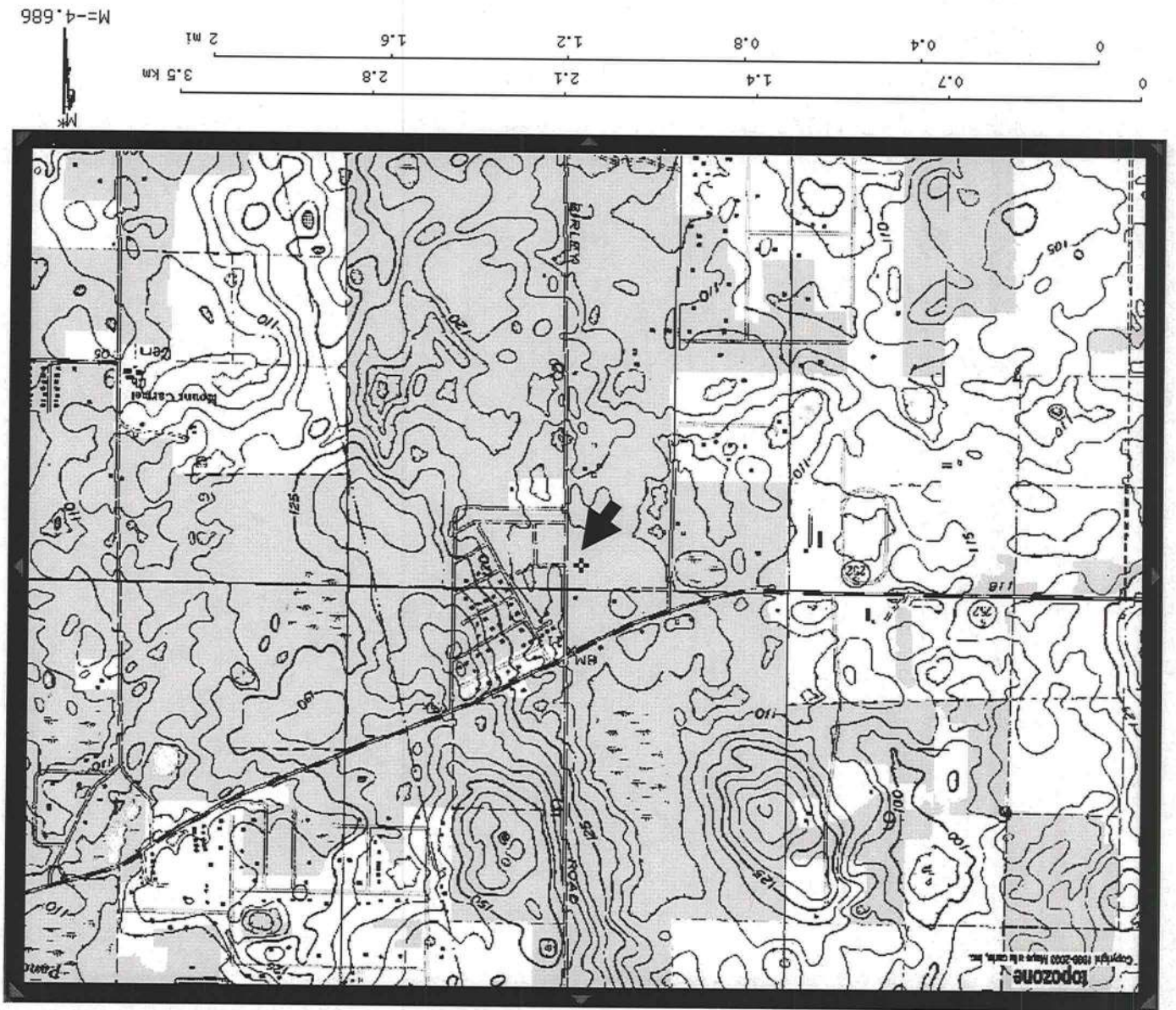
December 23, 2005

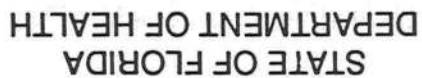
Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

23833



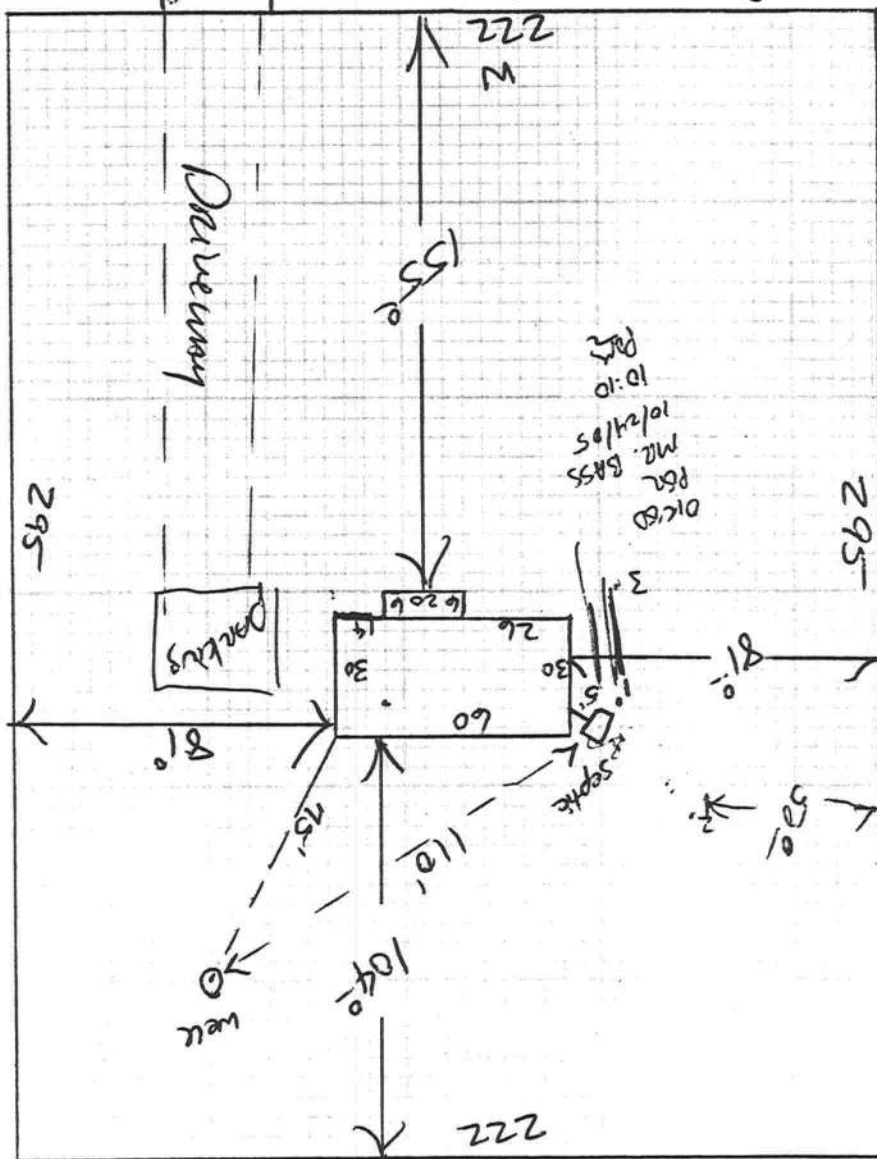






Permit Application Number

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

051244 4000

Site Plan submitted by:

Signal

Not Approved

Plan Approved

Title

Date_____

50/3

Comptroller

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

County Health Department

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 08-4S-16-02817-002

Building permit No. 000023833

Use Classification SFD/UTILITY

Fire: 35.52

Permit Holder MAX L. BASS

Waste: 73.50

Owner of Building CHARLIE & RACHEL STEPHENS

Total: 109.02

Location: 2270 SW BIRLEY AVE

Date: 04/19/2006

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



FROM: BRASS CONSTRUCTION

FAX NO.: 3869354371

Nov. 08 2005 07:47PM P2

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
TITLE OFFICES, LLC
1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
Parcel ID #: 02817-000

Inst: 2005024770 Date: 10/05/2005 Time: 14:50
DC, P. Dewitt Casper, Columbia County B: 1080 P: 2458

23833

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713.13, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation.

1. Description of property: (Legal description of property, and street address if available)

COMMENCE AT THE NORTHEAST CORNER OF THE NW 1/4 OF SECTION 8, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN THENCE S 88°45'35" W, ALONG THE NORTH LINE OF SAID NW 1/4, 45.02 FEET; THENCE S 02°06'04" E, 239.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S 02°06'04" E, 221.67 FEET; THENCE S 88°47'13" E, 294.78 FEET; THENCE N 02°06'04" W, 221.67 FEET; THENCE N 88°47'13" E, 294.78 FEET TO THE POINT OF BEGINNING.

2. General description of improvement: construction of single family dwelling

3. Owner information:

a. Name and address:
JASON C. STEPHENS, SR. and RACHEL STEPHENS

b. Interest in property: Fee Simple

c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address) Max L. Bass
23883 CR 49, O'Brien, Florida 32071
Telephone Number: (386) 935-4318

5. Surety (if any):

a. Name and Address:

b. Telephone Number:

c. Amount of Bond \$

6. Lender: (Name and Address)

CAPITAL CITY BANK
814 SWANNEE AVE., BRANFORD, FLORIDA 32008
Telephone Number: 935-1112

7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes: (Name and Address)

N/A

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)

CAPITAL CITY BANK
814 SWANNEE AVE., BRANFORD, FLORIDA 32008
Telephone Number: 935-1112

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified)

JASON C. STEPHENS, SR.
(SEAL)

RACHEL STEPHENS
(SEAL)

FROM : BRSS CONSTRUCTION

FAX NO. : 3869354371

Nov. 08 2005 07:47PM P3

Sworn to and subscribed before me this 29th day of September, 2005, by JASON C. STEPHENS, SR. and RACHEL STEPHENS, who are personally known to me or who have produced *driver license* as identification.

Martha Bryan
Notary Public
My Commission Expires: _____


Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Title Public Insurance, Inc. AGC-3657018

Inst: 2005024770 Date: 10/05/2005 Time: 14:50
DC, P. DeWitt Cason, Columbia County B: 1060 P: 2459

Cc B&B Homes Inc

Mark Disosway, PE
Florida Registered Professional Engineer

19 OCT 05

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

Dear Building Official:

B&B Homes Inc, Charlie & Rachal Stedhens, Tax ID: 02817-000 Columbia County, Florida, FL

Columbia County Building Department

October 19, 2005

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

- WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.
1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Plans Examiner

- All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required

- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC

- a. Basic wind speed (MPH)
- b. Wind importance factor (I) and building category
- c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- d. The applicable internal pressure coefficient
- e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys
- e) Location and size of skylights
- f) Building height
- e) Number of stories

5
22
5
22

5
22
5
22

Floor Plan including:	☒	☒	☒
a) Rooms labeled and dimensioned	☒	☒	☒
b) Shear walls	☒	☒	☒
c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)	☒	☒	☒
d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth	☒	☒	☒
e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails	☒	☒	☒
f) Must show and identify accessibility requirements (accessible bathroom)	☒	☒	☒
Foundation Plan including:	☒	☒	☒
a) Location of all load-bearing wall with required footings indicated as standard	☒	☒	☒
Or monolithic and dimensions and reinforcing	☒	☒	☒
b) All posts and/or column footing including size and reinforcing	☒	☒	☒
c) Any special support required by soil analysis such as piling	☒	☒	☒
d) Location of any vertical steel	☒	☒	☒
Roof System:	☒	☒	☒
a) Truss package including:	☒	☒	☒
1. Truss layout and truss details signed and sealed by FL Pro. Eng.	☒	☒	☒
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☒	☒	☒
b) Conventional Framing Layout including:	☒	☒	☒
1. Rafter size, species and spacing	☒	☒	☒
2. Attachment to wall and uplift	☒	☒	☒
3. Ridge beam sized and valley framing and support details	☒	☒	☒
4. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☒	☒	☒
Wall Sections including:	☒	☒	☒
a) Masonry wall	☒	☒	☒
1. All materials making up wall	☒	☒	☒
2. Block size and mortar type with size and spacing of reinforcement	☒	☒	☒
3. Lintel, tie-beam sizes and reinforcement	☒	☒	☒
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details	☒	☒	☒
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation	☒	☒	☒
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)	☒	☒	☒
7. Fire resistant construction (if required)	☒	☒	☒
8. Fireproofing requirements	☒	☒	☒
9. Shoe type of termite treatment (termicide or alternative method)	☒	☒	☒
10. Slab on grade	☒	☒	☒
a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)	☒	☒	☒
b. Must show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and supports	☒	☒	☒
11. Indicate where pressure treated wood will be placed	☒	☒	☒
12. Provide insulation R value for the following:	☒	☒	☒
a. Attic space	☒	☒	☒
b. Exterior wall cavity	☒	☒	☒
c. Crawl space (if applicable)	☒	☒	☒

See note 6

Item	Requirement	Compliance
1.	All materials making up wall	☒
2.	Size and species of studs	☒
3.	Sheathing size, type and nailing schedule	☒
4.	Headers sized	☒
5.	Gable end showing balloon framing detail or gable truss and wall hinge bracing detail	☒
6.	All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)	☒
7.	Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☒
8.	Fire resistant construction (if applicable)	☒
9.	Fireproofing requirements	☒
10.	Show type of termite treatment (termicide or alternative method)	☒
11.	Slab on grade	☒
12.	Indicate where pressure treated wood will be placed	☒
13.	Provide insulation R value for the following:	☒
	a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed	☒
	b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports	☒
	c. Exterior wall cavity	☒
	d. Attic space	☒
	e. Crawl space (if applicable)	☒
	f. Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)	☒
	g. Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer	☒
	h. Floor joist size and spacing	☒
	i. Girder size and spacing	☒
	j. Attachment of joist to girder	☒
	k. Wind load requirements where applicable	☒
	l. Plumbing fixture layout	☒
	m. Electrical layout including:	☒
	n. Switches, outlets/receptacles, lighting and all required GFCI outlets identified	☒
	o. Smoke detectors	☒
	p. Service panel and sub-panel size and location(s)	☒
	q. Meter location with type of service entrance (overhead or underground)	☒
	r. Appliances and HVAC equipment	☒
	s. Arc Fault Circuits (AFCI) in bedrooms	☒
	t. HVAC information	☒
	u. Manual J sizing equipment or equivalent computation	☒
	v. Exhaust fans in bathroom	☒
	w. Energy Calculations (dimensions shall match plans)	☒
	x. Gas System Type (LP or Natural) Location and BTU demand of equipment	☒
	y. Disclosure Statement for Owner Builders	☒
	z. Notice Of Commencement Required Before Any Inspections Will Be Done	☒
	aa. Private Potable Water	☒
	ab. Size of pump motor	☒
	ac. Size of pressure tank	☒
	ad. Cycle stop valve if used	☒

SUMMARIZED CHECK OFF LIST SUBMITTING BUILDING PLANS

1. Building Permit Application. A current Building Permit Application form is to be completed and submitted for all construction projects.

2. Plot Plan. Two copies of a plot plan or site plan are required for all construction projects to include new construction, additions, and renovations. The plot plan is to show the property dimensions and the location of all proposed and existing structures to include the distance from the proposed construction to the property lines.

3. Parcel Number. The parcel number (Tax ID number) from the Property Appraiser (904- 758-1084) is required. A copy of property deed is also requested.

4. Environmental Health Permit or Sewer Tap Approval. A copy of the Environmental Health permit, existing septic approval, or sewer tap approval is required (904) 758-1058.

5. City Approval. If the project is located within the city limits of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.

6. Plans.

1 All construction projects require two (2) complete sets of building plans and construction details. An Architect must certify all **commercial/industrial project** plans (original raised seal) or Engineer licensed in the State of Florida. An Architect must certify all **residential** plans or Engineer licensed in the State of Florida or have a Wind Load Analysis certified by an Architect or Engineer licensed in the State of Florida.

2. Electrical, Mechanical, Plumbing, and Floor Plan drawings must be shown on the plans.

3. Proposed method of termite treatment should be shown on plans.

4. All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting to our office. Any project located within a flood zone where the base flood elevation (100year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation (100year flood) has not been established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **Certified Finished Floor Elevations Will Be Required On Any Project Where The Base Flood Elevation (100 year flood) Has Been Established.** A development permit will also be required (\$10.00).

5. Inspectors will be available to review plans and answer questions from 8:00 am to 10:00 am and from 1:30 p.m. to 2:30 p.m. Monday through Friday.

7. Energy Code Form. A completed Florida Energy Efficiency Code and a Manual J form must be submitted. All **commercial/industrial** projects must have an energy calculation signed and sealed by an Engineer licensed in the State of Florida.

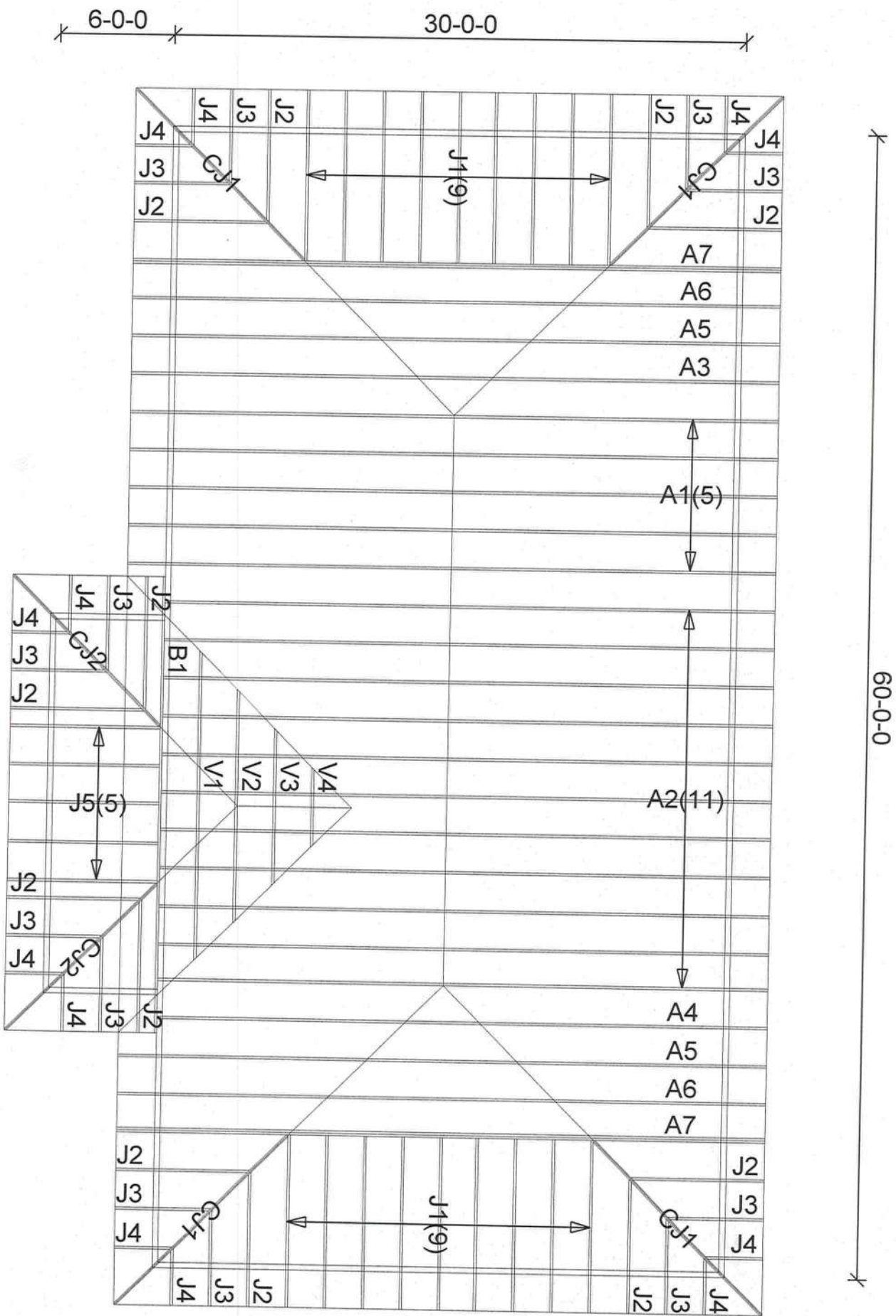
8. Notice of Commencement. The recorded Notice of Commencement is required if the project's cost is \$2,500.00 or more. Blank forms are located in the Building and Zoning Department for your convenience. The form is to be completed notarized and recorded with the Clerk of Court located at the Courthouse. A recorded copy of the Notice of Commencement is to be located on the job site **before** any inspections will be made.

9. Driveway Connection. If the property does not have an existing access to a public road, then you must apply for culvert permit (\$5.00) or a culvert waiver (\$25.00) if you feel that a culvert is not needed. The waiver is either approved or denied by the Columbia County Public Works Department.

10. Suwannee River Water Management Permit. Any commercial/industrial permit will not be issued until a permit from SRWMD has been issued and a copy given to this office.

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- 1. Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
 - 2. Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
 - 3. Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
 - 4. City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
 - 5. Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations.
 - CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
 - 6. Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
 - 7. 911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787
- ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE - TIME WILL NOT ALLOW THIS - PLEASE DO NOT ASK**



Mayo Truss Co. Inc.

362 NE CLYDE AVE.
MAYO, FL 32066
(386) 294-2988
(877) 558-6262

B & B HOMES, INC.

STEPHENS RESIDENCE

110 MPH ASCE WIND LOAD

Roof Loading

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

Account: CONTRACTORS

Job: BB-STEPHENS
Designer: M.MURRAY
Checker: M.MURRAY
Date: 10-07-05



Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Permit Number:
Miscellaneous:
Address:
Lot Number:

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: BB-STEPHENS - CHARLIE STEPHENS

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 - 2001 Chapter 16 and 23
Specification Quantity

T05100542
10/6/2005
19

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)

Date	Mark
10/6/2005	A1
10/6/2005	A5
10/6/2005	CJ1
10/6/2005	J3
10/6/2005	V2

Date	Mark
10/6/2005	A2
10/6/2005	A6
10/6/2005	CJ2
10/6/2005	J4
10/6/2005	V3

Date	Mark
10/6/2005	A3
10/6/2005	A7
10/6/2005	J1
10/6/2005	J5
10/6/2005	V4

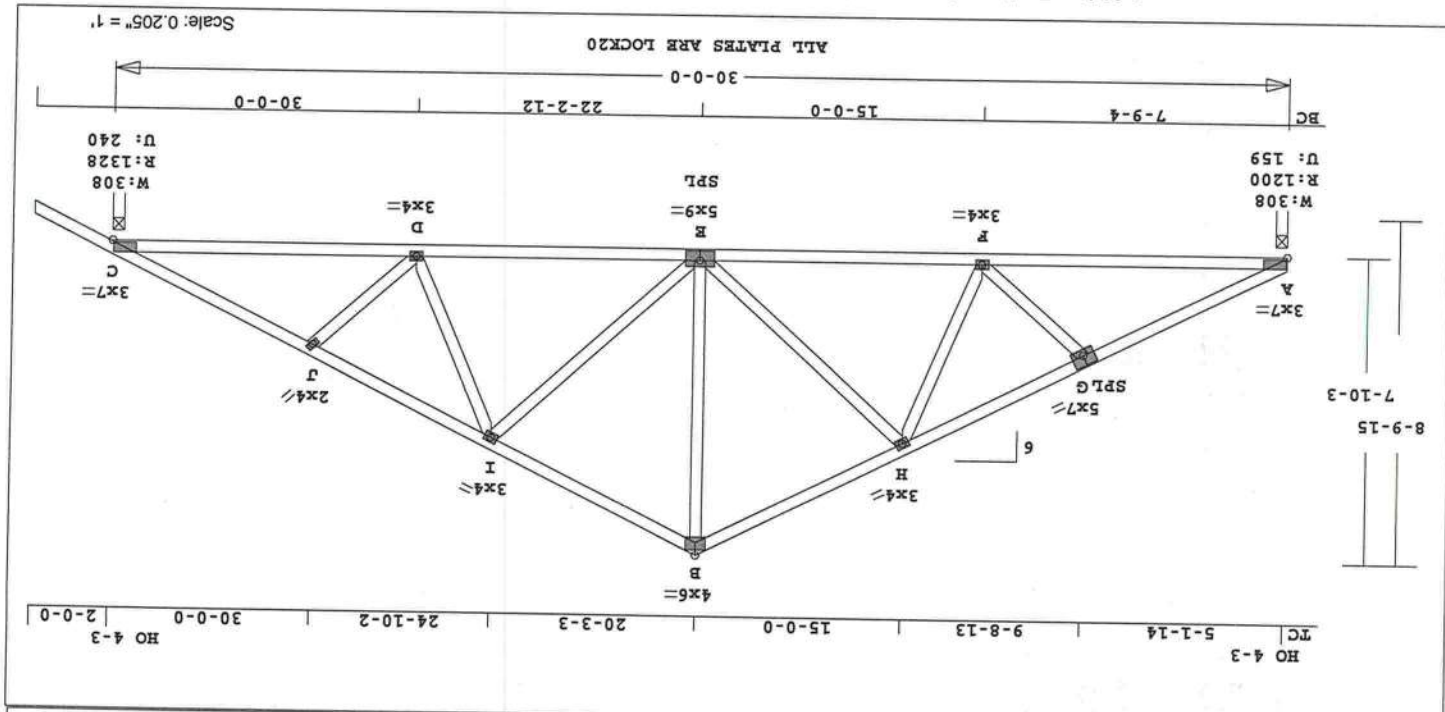
Date	Mark
10/6/2005	A4
10/6/2005	B1
10/6/2005	J2
10/6/2005	V1

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

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

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

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	A2	11	MQ	300000	6	0	2 - 0 - 0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online plus™ APPROX. TRUSS WEIGHT: 196.7 LBS

NOTES:

1. TRUSSES MANUFACTURED BY - Mayo Truss Co., Inc.
2. EMPIRICAL ANALOG IS USED.
3. DESIGN INCLUDES CHECK FOR LIVE LOAD ON BOTTOM CHORD.
4. WIND LOADS - ANSI/ASCE 7-02 TRUSS IS DESIGNED AS A MAIN WIND-FORCE RES SYSTEM FOR EXTERIOR ZONE LOCATION WIND SPEED - 110 MPH MEAN ROOF HEIGHT - 15' EXPOSURE CATEGORY - B OCCUPANCY FACTOR - 1.00 TC DEAD LOAD = 5.0 PSF BC DEAD LOAD = 5.0 PSF HORIZONTAL LOAD OF 162 LBS. ANCHOR TRUSS FOR A TOTAL
5. FASTEN TRUSS TO BRG A FOR 159 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
6. FASTEN TRUSS TO BRG C FOR 240 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.
7. FASTEN TRUSS TO BRG C FOR 240 LBS OF UPLIFT, WHILE PERMITTING NO UPWARD MOVEMENT OF WALL OR BRG.

CS1 SIZE LUMBER 1.15PB
TOP 0.26 2X 4 SP-#2 1720
BTM 0.49 2X 4 SP-#2 1720
WBS 0.47 2X 4 SP-#2 1720
REPERITIVE MEMBER INCREASES:
FB 15.0% FT 0.0% FC 0.0%

LATERAL BRACING:
TOP CHORD - CONTINUOUS
BTM CHORD - CONTINUOUS
TRUSS SPACING - 24.0 IN.

STANDARD LOADING
LUMBER STRESS INCREASE: 25.0%
PLATE STRESS INCREASE: 25.0%
LOADING LIVE DEAD (PSF)
TOP CHD 20.0 10.0
BTM CHD 20.0 10.0
TOTAL 20.0 10.0
SUPPORT CRITERIA
JT REACT WIDTH 40.0
LBS IN-SX
A 1200 3-8 C 1328 3-8

LOAD CASE #1 UBC LT CHECK
LUMBER STRESS INCREASE: 50.0%
PLATE STRESS INCREASE: 50.0%

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
PLATES - 20 GAUGE LOCK
GRIPPING 632-312 PSI PER PAIR
INCLUDES 25.0% INCREASE
TENSION 1339-465 PLI PER PAIR
SHEAR 784-506 PLI PER PAIR

PLATING CONFORMS TO TPI.
SPAN/DEFL (DL+LL) = 999
LT DEFL = 0.09" > BRG-SPAN/240
DL+LL DEFL = 0.20" IN H-B

PLATING CONFORMS TO TPI.
SPAN/DEFL (DL+LL) = 999
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DL+LL DEFL = 0.20" IN H-B

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PLATING CONFORMS TO TPI.
SPAN/DEFL (DL+LL) = 999
LT DEFL = 0.09" > BRG-SPAN/240
DL+LL DEFL = 0.20" IN H-B

MEMBR CSI P(LBS) M@1ST M@2ND
TOP CHORDS
HEEL 0IN - 4SX 0IN - 4SX
RIGHT
LEFT
A 900 3-8 C 948 3-8
LBS IN-SX
JT REACT WIDTH
SUPPORT CRITERIA
TOTAL 20.0 10.0
BTM CHD 20.0 10.0
TOP CHD 20.0 10.0
LOADING LIVE DEAD (PSF)
PLATE STRESS INCREASE: 50.0%
LUMBER STRESS INCREASE: 50.0%

MEMBR CSI P(LBS) M@1ST M@2ND
TOP CHORDS
HEEL 0IN - 4SX 0IN - 4SX
RIGHT
LEFT
A 900 3-8 C 948 3-8
LBS IN-SX
JT REACT WIDTH
SUPPORT CRITERIA
TOTAL 20.0 10.0
BTM CHD 20.0 10.0
TOP CHD 20.0 10.0
LOADING LIVE DEAD (PSF)
PLATE STRESS INCREASE: 50.0%
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TOP CHD 20.0 10.0
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PLATE STRESS INCREASE: 50.0%
LUMBER STRESS INCREASE: 50.0%

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JT REACT WIDTH
SUPPORT CRITERIA
TOTAL 20.0 10.0
BTM CHD 20.0 10.0
TOP CHD 20.0 10.0
LOADING LIVE DEAD (PSF)
PLATE STRESS INCREASE: 50.0%
LUMBER STRESS INCREASE: 50.0%

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

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

JT TYPE PLATE SIZE
A 2001 3.00 X 7.00 6.2 2.9
B 3001 4.00 X 6.00 3.0 2.2
C 2001 3.00 X 7.00 6.2 2.9
D 1010 3.00 X 4.00 CTR
E 1170 5.00 X 9.00 CTR
F 1010 3.00 X 4.00 CTR
G 1102 5.00 X 7.00 CTR
H 1010 3.00 X 4.00 CTR
I 1010 3.00 X 4.00 CTR
J 1001 2.00 X 4.00 CTR

JT TYPE PLATE SIZE
A 2001 3.00 X 7.00 6.2 2.9
B 3001 4.00 X 6.00 3.0 2.2
C 2001 3.00 X 7.00 6.2 2.9
D 1010 3.00 X 4.00 CTR
E 1170 5.00 X 9.00 CTR
F 1010 3.00 X 4.00 CTR
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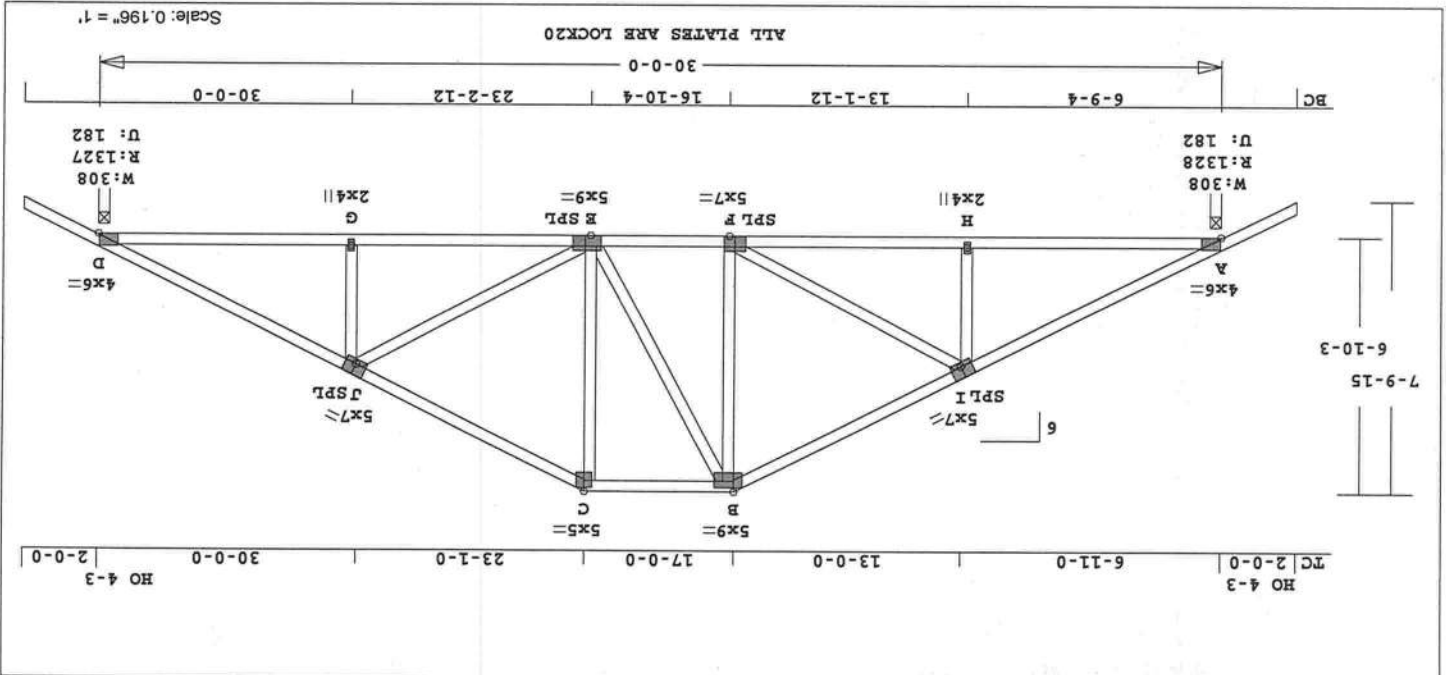
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J 1001 2.00 X 4.00 CTR



Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	A3	1	HIPP	300000	6	2 - 0 - 0	2 - 0 - 0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Online Plus -- Version 18.0.011
 RUN DATE: 06-OCT-05

CSI - Size - Lumber -
 TC 0.40 2x 4 SP-#2
 BC 0.43 2x 4 SP-#2
 WB 0.38 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0 - 0 - 0 30 - 0 - 0
 BC Cont. 0 - 0 - 0 30 - 0 - 0

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

Spacing
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Pb=1.15 Pc=1.10 Ft=1.10
 BC Pb=1.10 Pc=1.10 Ft=1.10

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

React Uplift Size Req'd
 Lbs In-Sk In-Sk
 A 1328 182 3- 8 1- 9
 D 1328 182 3- 8 1- 9

Member CSI P Lbs Axl-CST-Bnd
 A -I 0.40 2081 C 0.02 0.38
 I -B 0.39 1509 C 0.01 0.38
 B -C 0.10 1342 C 0.01 0.09
 C -J 0.39 1509 C 0.01 0.38
 J -D 0.40 2081 C 0.02 0.38

Top Chords
 A -I 0.40 2081 C 0.02 0.38
 I -B 0.39 1509 C 0.01 0.38
 B -C 0.10 1342 C 0.01 0.09
 C -J 0.39 1509 C 0.01 0.38
 J -D 0.40 2081 C 0.02 0.38

Bottom Chords
 A -H 0.43 1867 T 0.31 0.12
 H -F 0.43 1867 T 0.31 0.12
 F -E 0.30 1337 T 0.22 0.08
 E -G 0.43 1867 T 0.31 0.12
 G -D 0.43 1867 T 0.31 0.12

OH Loading
 FBC2004
 Analysis Conforms To:
 Mayo Truss Co. Inc.

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

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

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

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 0.64
 I LOCK 5.0x 7.0 Ctr 0.3-0.7 0.59
 B LOCK 5.0x 9.0 Ctr 0.4 0.97
 C LOCK 5.0x 5.0 Ctr 0.2 0.92
 D LOCK 4.0x 6.0 Ctr 0.1 0.64
 H LOCK 2.0x 4.0 Ctr 0.41
 F LOCK 5.0x 7.0 Ctr 0.8 0.59
 E LOCK 5.0x 9.0-0.5 0.8 0.61
 G LOCK 2.0x 4.0 Ctr 0.41

Shear // Grain in A - I 0.23
 TL Defl -0.18" in H - F L/999
 LB Defl -0.08" in F - E L/999

DESIGN CHECKED FOR 10 psf non-
 concurrent LL on BC.
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15'-0"
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 Zone Location: Exterior
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 2081 Lbs
 Quality Control Factor 1.25

DESIGN CHECKED FOR 10 psf non-
 concurrent LL on BC.
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15'-0"
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 Zone Location: Exterior
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 2081 Lbs
 Quality Control Factor 1.25

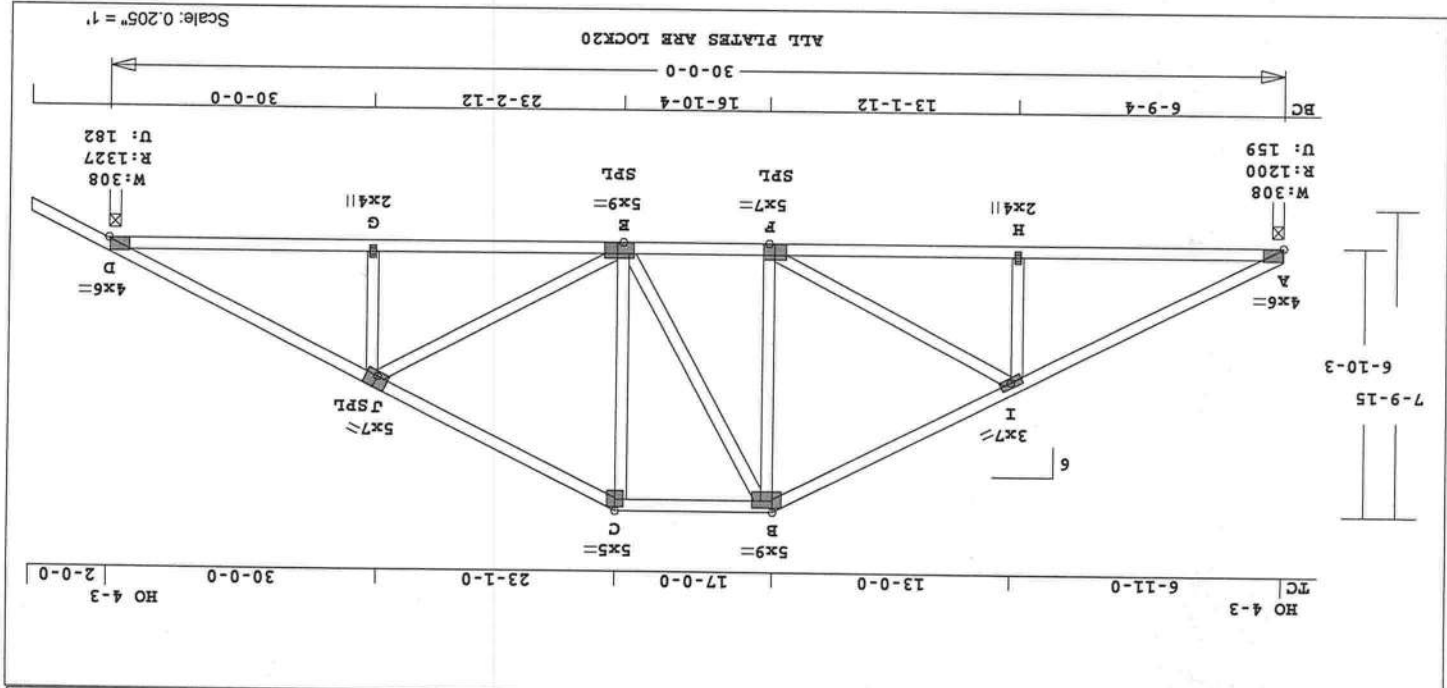
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 Quality Control Factor 1.25

DESIGN CHECKED FOR 10 psf non-
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 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 2081 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Thomas A. Albani
 License #: 39380
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	A4	1	HIPP	300000	6	0	2 - 0 - 0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 199.1 LBS
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LT on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone Location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2081 Lbs
Quality Control Factor 1.25

Online Plus -- Version 18.0.011
RUN DATE: 06-OCT-05
CSI - Size - Lumber
TC 0.40 2x 4 SP-#2
BC 0.43 2x 4 SP-#2
WB 0.38 2x 4 SP-#2
Brace truss as follows:
O.C. From To
TC Cont. 0 - 0 - 0 30 - 0 - 0
BC Cont. 0 - 0 - 0 30 - 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 Pb=1.15 Fc=1.10 Ft=1.10
BC Pb=1.10 Fc=1.10 Ft=1.10
Plus 6 Wind Load Case(s)
Plus 1 UBC LT Load Case(s)
Jt React Uplift Size Req'd
Lbs In-Sx In-Sx
A 1200 160 3- 8 1- 7
D 1328 182 3- 8 1- 9
Hz = -131
Hz = 132

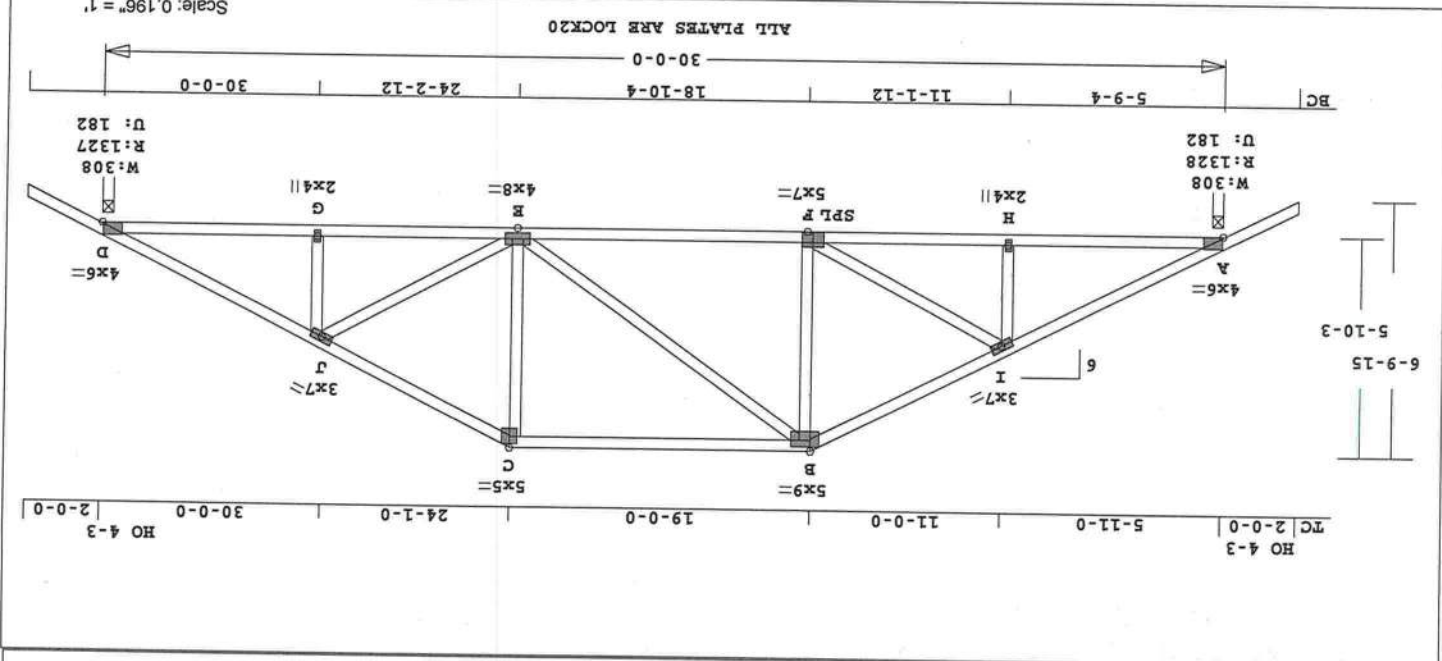
Member CSI P Lbs Axi-CSI-Bnd
A - I 0.40 2081 C 0.02 0.38
I - B 0.39 1509 C 0.01 0.38
B - C 0.10 1342 C 0.01 0.09
C - J 0.39 1509 C 0.01 0.38
J - D 0.40 2081 C 0.02 0.38
Bottom Chords
A - H 0.43 1867 T 0.31 0.12
H - F 0.43 1867 T 0.31 0.12
F - E 0.30 1337 T 0.22 0.08
E - G 0.43 1867 T 0.31 0.12

REVISED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	A5	2	HIPP	300000	6	2 - 0 - 0	2 - 0 - 0	T05100542



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 196.2 LBS

concurrent LL on BC.

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 2117 lbs

Quality Control Factor 1.25

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

Ut Type Plt Size X Y JSI

A LOCK 4.0x 6.0 Ctr 0.1 0.64

I LOCK 3.0x 7.0 Ctr 0.39

B LOCK 5.0x 9.0 Ctr-0.4 0.97

C LOCK 3.0x 7.0 Ctr 0.39

J LOCK 3.0x 7.0 Ctr 0.39

D LOCK 4.0x 6.0 Ctr 0.1 0.64

H LOCK 2.0x 4.0 Ctr 0.41

F LOCK 5.0x 7.0 Ctr 0.59

E LOCK 4.0x 8.0 Ctr 0.44

G LOCK 2.0x 4.0 Ctr 0.41

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

Ut Type Plt Size X Y JSI

A LOCK 4.0x 6.0 Ctr 0.1 0.64

I LOCK 3.0x 7.0 Ctr 0.39

B LOCK 5.0x 9.0 Ctr-0.4 0.97

C LOCK 3.0x 7.0 Ctr 0.39

J LOCK 3.0x 7.0 Ctr 0.39

D LOCK 4.0x 6.0 Ctr 0.1 0.64

H LOCK 2.0x 4.0 Ctr 0.41

F LOCK 5.0x 7.0 Ctr 0.59

E LOCK 4.0x 8.0 Ctr 0.44

G LOCK 2.0x 4.0 Ctr 0.41

Online Plus -- Version 18.0.011

RUN DATE: 06-OCT-05

CS1 - Size - Lumber----

TC 0.70 2x 4 SP-#2

BC 0.47 2x 4 SP-#2

WB 0.19 2x 4 SP-#2

Brace truss as follows:

From To

TC Conf. 0-0 0 30-0-0

BC Conf. 0-0 0 30-0-0

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=1.15 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)

Ut React Uplift Size Req'd

Lbs In-Sx In-Sx

A 1328 182 3-8 1-9

D 1328 182 3-8 1-9

HZ = -111

HZ = 111

REVISED 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:

RBC2004

OH Loading

Softfit psf 2.0

Design checked for 10 psf non-

Member CSI P Lbs Ax1-CST-Bnd

Top Chords

A-I 0.27 2117 C 0.05 0.22

I-B 0.37 1694 C 0.01 0.36

B-C 0.70 1524 C 0.04 0.66

C-J 0.35 1696 C 0.01 0.34

J-D 0.27 2117 C 0.05 0.22

Bottom Chords

A-H 0.40 1892 T 0.31 0.09

H-F 0.45 1892 T 0.31 0.14

F-E 0.42 1517 T 0.16 0.26

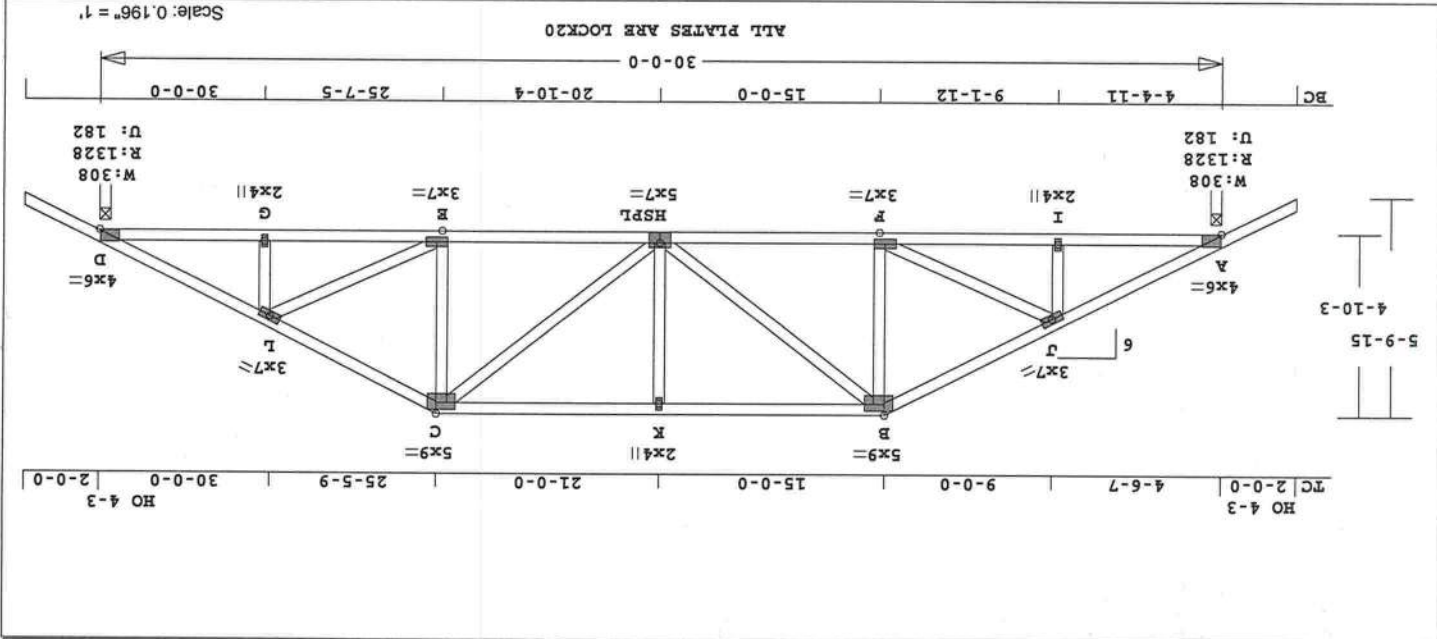
E-G 0.47 1893 T 0.31 0.16

G-D 0.40 1893 T 0.31 0.09

Webs



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STPHENS	A6	2	HIPP	300000	6	2 - 0 - 0	2 - 0 - 0	T05100542
U# J#BB-STPHENS CHARLIE STPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 203.0 LBS

Mayo Truss Co. Inc. Analysis Conforms To:

FBG2004
OH Loading
Soffit pft 2.0
Design checked for 10 pft non-concurrent LL on BC.

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

Wind Speed:
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone Location: Exterior

TC Dead Load: 5.0 pft
BC Dead Load: 5.0 pft
Max comp. force 2184 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 - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr 0.1 0.64
J LOCK 3.0x 7.0 Ctr 0.1 0.39
B LOCK 5.0x 9.0 Ctr 0.4 0.97
K LOCK 2.0x 4.0 Ctr 0.4 0.41
C LOCK 5.0x 9.0 Ctr 0.4 0.97
L LOCK 3.0x 7.0 Ctr 0.1 0.39
D LOCK 4.0x 6.0 Ctr 0.1 0.64
I LOCK 2.0x 4.0 Ctr 0.4 0.41
F LOCK 3.0x 7.0 Ctr 0.4 0.44
H LOCK 5.0x 9.0 Ctr 0.8 0.59
E LOCK 3.0x 7.0 Ctr 0.4 0.44
G LOCK 2.0x 4.0 Ctr 0.4 0.41

Shear // Grain in B - K 0.25
TL Defl -0.21" in H - E L/999
LL Defl -0.10" in H - E L/999

Online Plus -- Version 18.0.011
RUN DATE: 06-OCT-05

CSI - Size - Lumber -

TC 0.39 2x 4 SP-#2
BC 0.41 2x 4 SP-#2
WB 0.10 2x 4 SP-#2

Brace truss as follows:
From To
0 - 0 - 0 30 - 0 - 0
TC Cont.
BC Cont.

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

Spacing
Lumber Duration Factor 1.25
Plate Duration Factor 1.25

BC FB=1.10 FC=1.10 Ft=1.10
TC FB=1.15 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 In-Sx In-Sx
A 1328 182 3- 8 1- 9
D 1328 182 3- 8 1- 9

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

A - J 0.16 2184 C 0.03 0.13
J - B 0.23 1850 C 0.02 0.21
B - K 0.39 1993 C 0.02 0.37
K - C 0.39 1993 C 0.02 0.37
C - L 0.23 1850 C 0.02 0.21
L - D 0.16 2184 C 0.03 0.13

A - I 0.40 1948 T 0.32 0.08
I - F 0.41 1948 T 0.32 0.09
F - H 0.36 1655 T 0.27 0.09
H - E 0.36 1655 T 0.27 0.09
E - G 0.41 1948 T 0.32 0.09

NOTES:
Trusses Manufactured by:

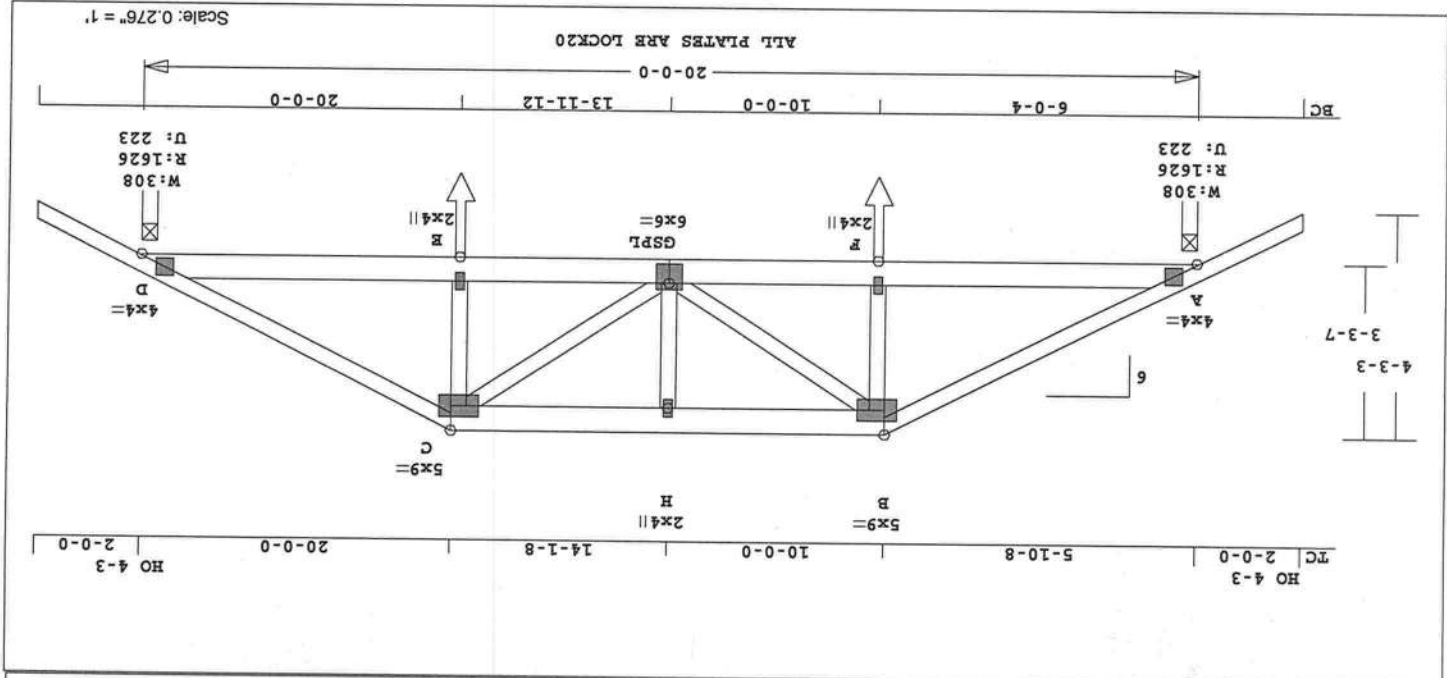
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

Truss Design Engineer: Thomas A. Albani
License # 39380
Address: P.O. Box 280055, Tampa, FL 33682

PROFESSIONAL ENGINEER
FLORIDA
THOMAS A. ALBANI
No. 39380
C.E.

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	B1	1	HIPP	200000	6	2-0-0	2-0-0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 143.8 LBS

NOTES:

Trusses Manufactured by: Mayo Truss Co. Inc.
Analysis Conforms To: FBC2004
Girder Step Down Hip Framing King Jacks Jack Open Faced Setback 5-10-8
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Occupancy Category: B
Building Type: Enclosed
Zone Location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 3142 lbs
Max comp. force
Quality Control Factor 1.25

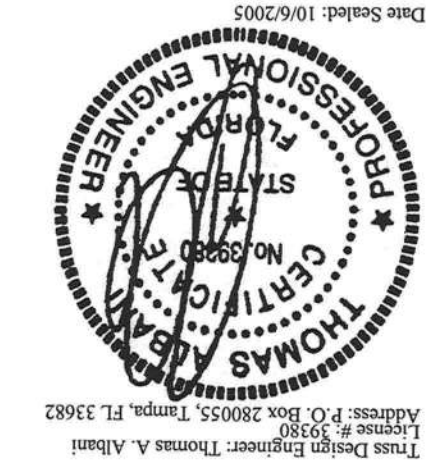
Top Chords
A-B 0.40 2818 C 0.06 0.34
B-H 0.24 3142 C 0.03 0.21
H-C 0.24 3142 C 0.03 0.21
C-D 0.40 2818 C 0.06 0.34
Bottom Chords
A-F 0.47 2531 T 0.33 0.14
F-G 0.41 2511 T 0.33 0.08
G-H 0.41 2511 T 0.33 0.08
H-I 0.41 2511 T 0.33 0.08
I-J 0.47 2531 T 0.33 0.14
Webs
F-B 0.08 516 T
B-G 0.14 758 T
G-H 0.07 619 C
H-C 0.14 758 T
E-C 0.08 516 T

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 0.95
B LOCK 5.0x 9.0 Ctr Ctr 0.84
H LOCK 2.0x 4.0 Ctr Ctr 0.40
C LOCK 5.0x 9.0 Ctr Ctr 0.95
D LOCK 4.0x 4.0 Ctr Ctr 0.95
F LOCK 2.0x 4.0 Ctr Ctr 0.56
G LOCK 6.0x 6.0 Ctr 1.2 0.73
E LOCK 2.0x 4.0 Ctr Ctr 0.56

Load Case # 1 girder Loading
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

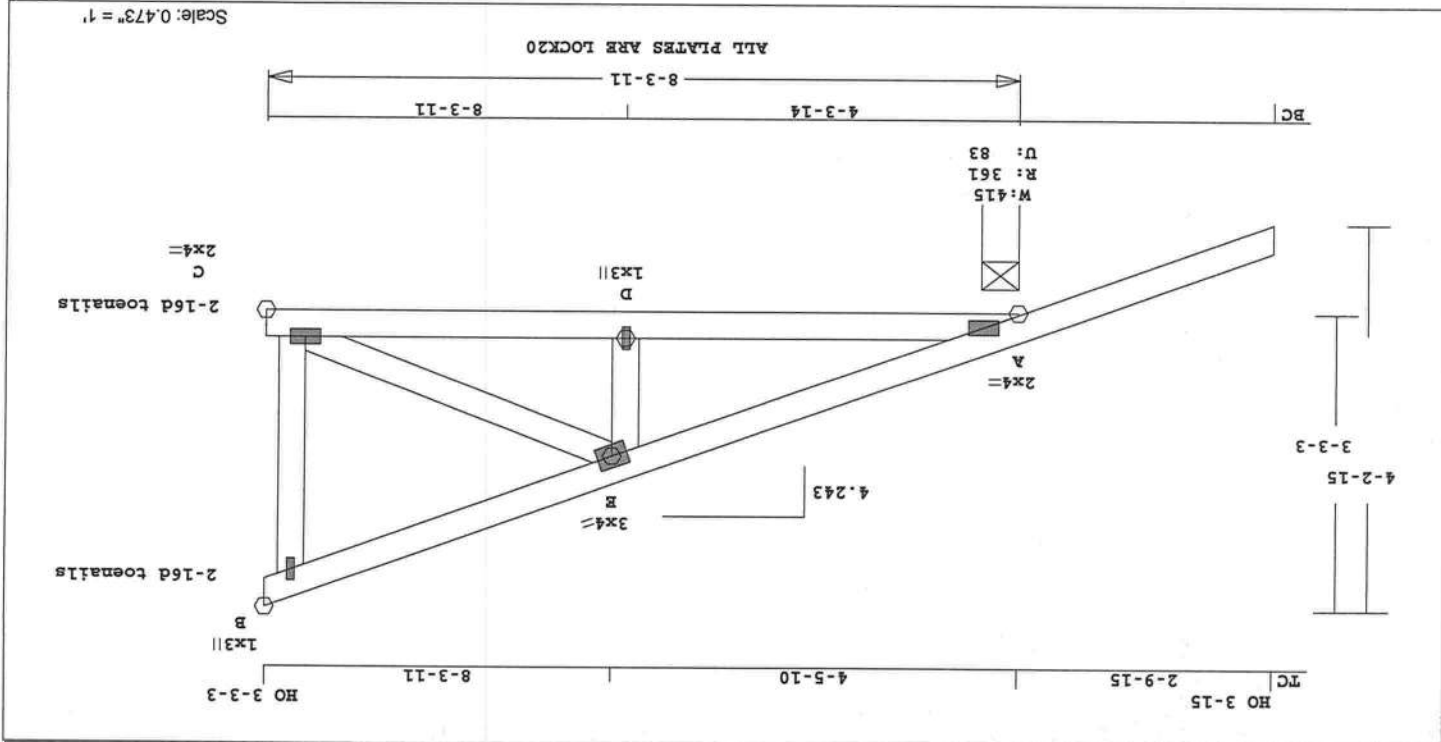
Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Jt React Uplift Size Req'd
Lbs In-Sx In-Sx
1627 224 3-8 1-15
1627 224 3-8 1-15
Hz = -51
Hz = 52

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.



Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	CJ2	2	MONO	80311	4.243	2 - 9-15	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



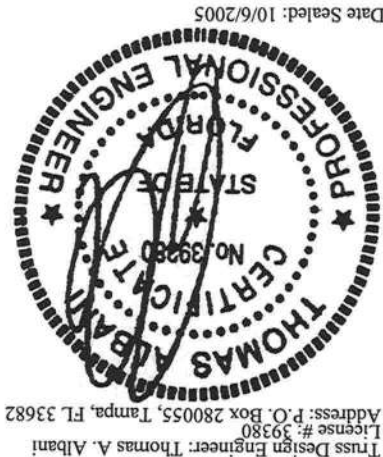
Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 52.5 LBS
 Member CSI P Lbs Axl-CSI-Bnd
 Top Chords
 A - E 0.15 414 C 0.00 0.15
 E - B 0.20 73 T 0.00 0.20
 Bottom Chords
 A - D 0.12 401 T 0.04 0.08
 D - C 0.15 401 T 0.04 0.11
 Webs
 D - E 0.02 156 T
 E - C 0.08 435 C
 C - B 0.02 0 T WindLd

Brace truss as follows:
 O.C.
 TC Cont. 0 - 0 - 0 8 - 3 - 11
 BC Cont. 0 - 0 - 0 8 - 3 - 11
 From To

Loading (psf)
 Live 20.0
 Dead 10.0
 Total 30.0
 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 8.3'
 BC V 0 20 0.0 8.3'
 TC V -40 -20 0.0 8.3'
 BC V 0 20 0.0 8.3'
 REVISED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

REFER TO ROBINS 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

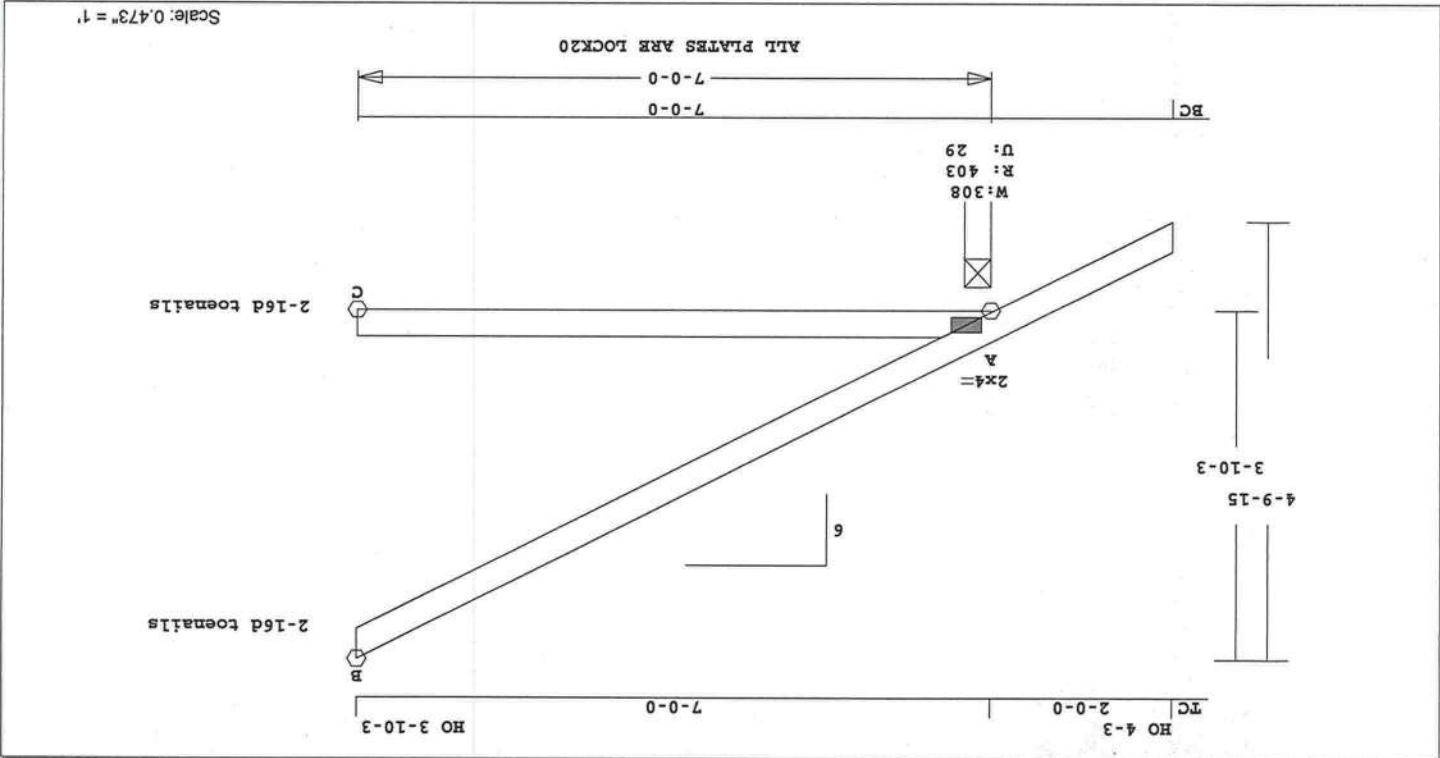
Plus 5 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Ut React Uplift Size Req'd
 Lbs In-Sx In-Sx
 A 362 84 4-15 1-0
 Hz = -64
 B 150 55 3-8 1-0
 Hz = 121
 C 228 8 3-8 1-0
 Hz = 121
 NOTES:
 Robbins Engineering, Inc./Online Plus™ @ 1996-2005 Version 18.0.011 Engineering - Portal 10/6/2005 4:08:51 PM Page 1



Truss Design Engineer: Thomas A. Albani
 License #: 39380
 Address: P.O. Box 280055, Tampa, FL 33682
 Date Sealed: 10/6/2005

Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 Girder
 King Jack
 Loading TC and BC
 Setback 5-10-8
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Use properly rated hangers for
 loads framing into girder
 truss.
 Wind Loads - ANSI / ASCE 7-02
 Wind-Force Resistance System.
 Wind Speed:
 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 435 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	J1	18	JCA2	70000	6	2-0-0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 32.5 LBS

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone Location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 53 lbs
Quality Control Factor 1.25

LT Defl -0.07" in A - C L/999
TL Defl -0.18" in A - C L/427
Shear // Grain in A - B 0.22

Plates for each ply each face.

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

REVIEWED BY:

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

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

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

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

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

Online Plus -- Version 18.0.011
RUN DATE: 06-OCT-05

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

TC 0.47 2x 4 SP-#2
BC 0.34 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

Spacing Total 20.0 20.0 40.0

Lumber Duration Factor 1.25
Plate Duration Factor 1.25

TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt React Uplift Size Req'd

Lbs In-Sx In-Sx
404 29 3-8 1-0

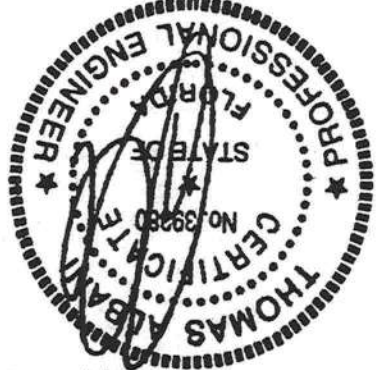
Hx = 106
B 196 85 3-8 1-0

C 132 0 3-8 1-0
Hx = 72

Member CSI P Lbs AXI-CSI-Bnd

-----Top Chords-----
A - B 0.47 53 C 0.00 0.47

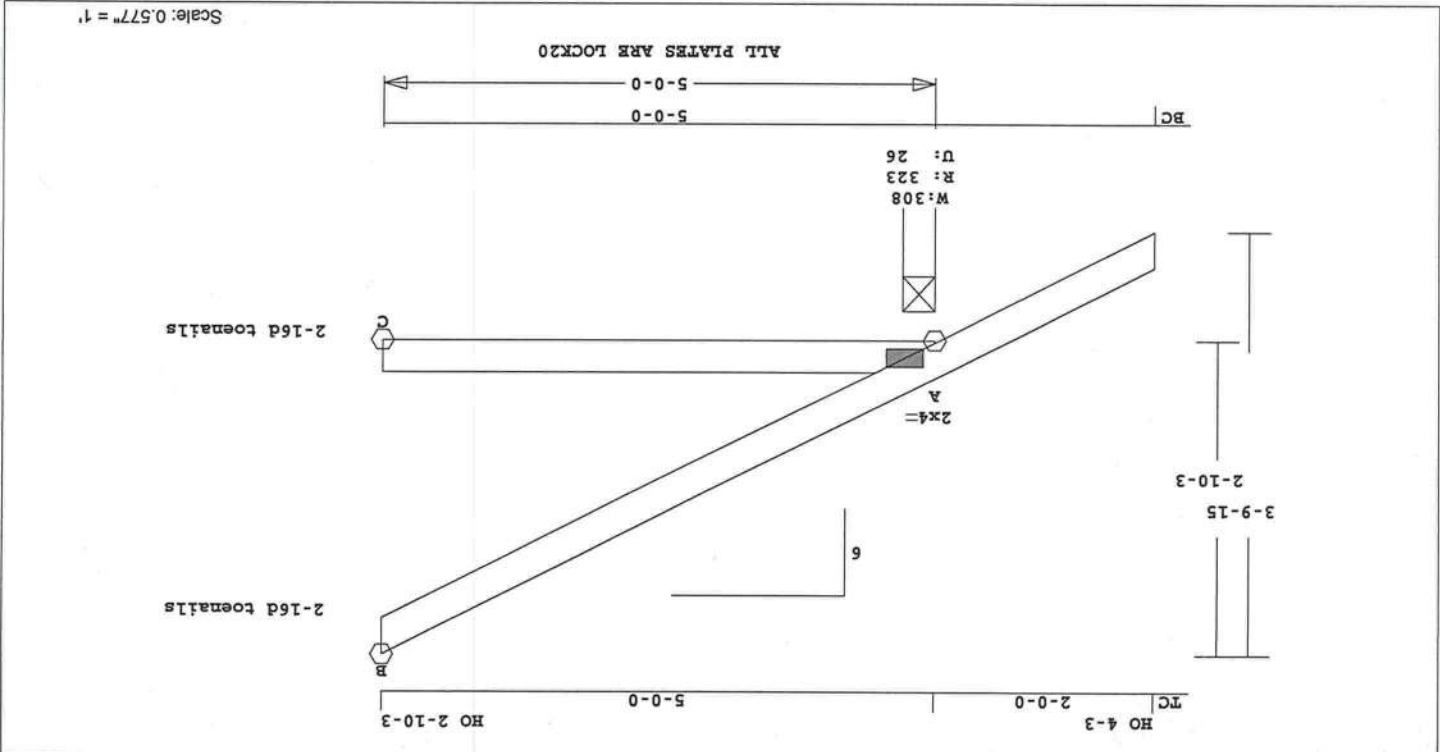
-----Bottom Chords-----



Truss Design Engineer: Thomas A. Albani
License #: 39280
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BB-STEPHENS	J2	12	JCA2	50000	6	2 - 0 - 0	0	T05100542

U# J#BB-STEPHENS CHARLIE STEPHENS



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.5 LBS
 concurrent LL on BC.
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 38 lbs
 Quality Control Factor 1.25

LT Defl -0.02" in A - C L/999
 TL Defl -0.04" in A - C L/999
 Shear // Grain in A - B 0.15
 Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 ga, Gross Area
 Plate - RHS 20 ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 2.0x 4.0 Ctr Ctr 0.65

CSI -Size- -Lumber-
 TC 0.22 2x 4 SP-#2
 BC 0.16 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
 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

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

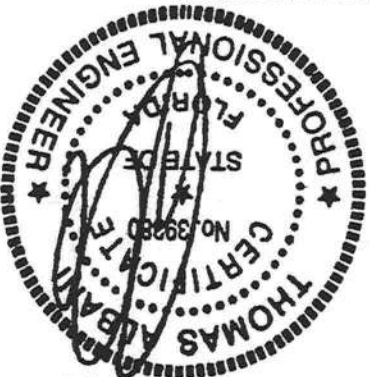
Jt React Uplift Size Req'd
 Lbs In-Sx In-Sx
 A 324 26 3-8 1-0
 B 142 62 3-8 1-0
 C 94 0 3-8 1-0
 Hz = 75
 Hz = 51

Member CSI P Lbs AXI-CSI-Bnd
 A-B 0.22 38 C 0.00 0.22
 ---Top Chords---
 ---Bottom Chords---

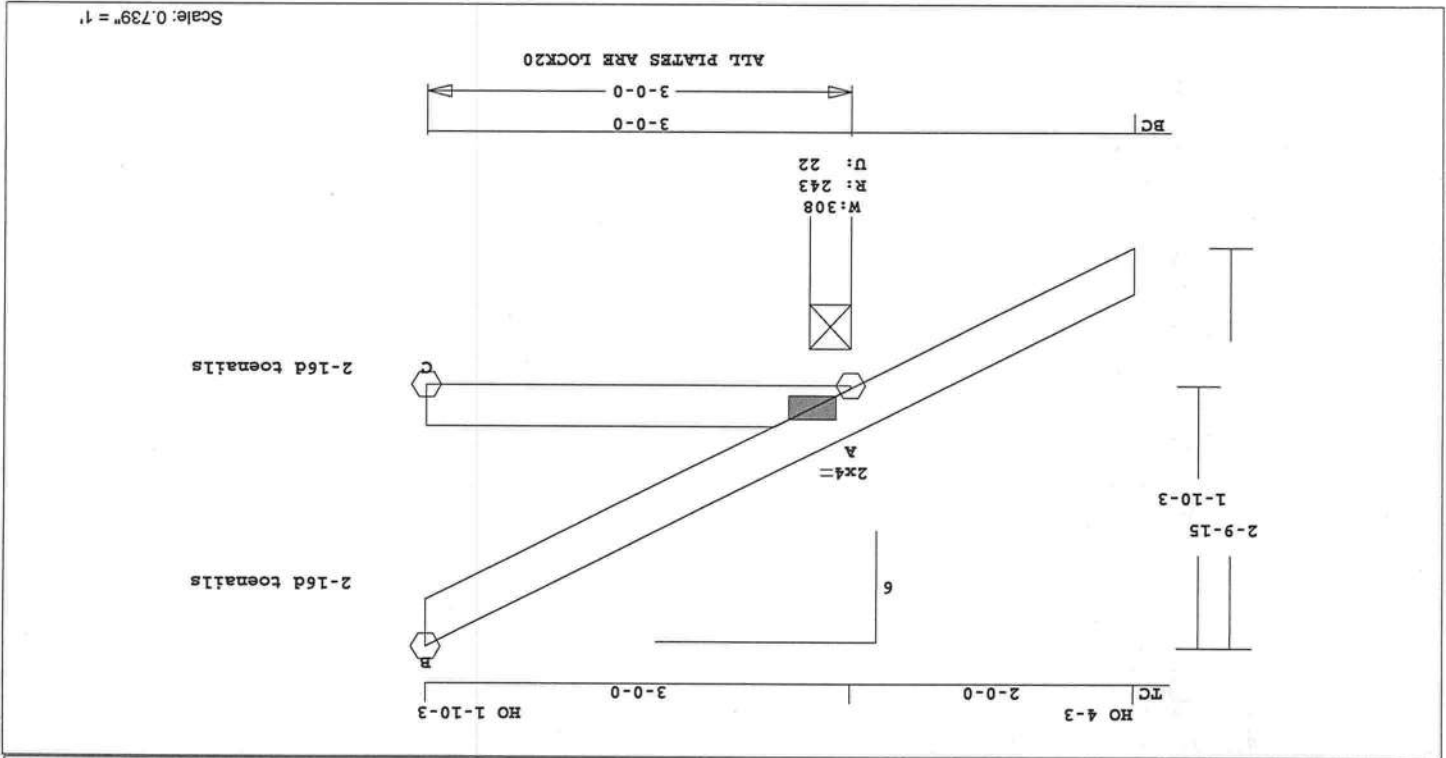
REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 For proper installation of
 toe-nails, refer to the 2001
 National Design Specification
 (NDS) for Wood Construction
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-

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

Truss Design Engineer: Thomas A. Albani
 License #: 39380
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	J3	12	JCA2	30'00	6	2'-0"-0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.5 LBS

concurrent LL on BC.
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15'-0"
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 23 lbs
Quality Control Factor 1.25

LT Defl 0.00" in A - C L/999
TL Defl 0.00" in A - C L/999
Shear // Grain in A - B 0.08

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 ga, Gross Area
Plate - RHS 20 ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.65

CSI - Size - Lumber -
TC 0.06 2x 4 SP-#2
BC 0.05 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)
Total 20.0 20.0 40.0
BC 0.0 10.0
TC 20.0 10.0
Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt React Uplift Size Req'd
Lbs In-Sx In-Sx
A 243 23 3-8 1-0 Hz = 45
B 88 39 3-8 1-0 Hz = 45
C 56 0 3-8 1-0 Hz = 30
Member CSI P Lbs AXI-CSI-Bnd
A-B 0.06 23 C 0.00 0.06
-----Bottom Chords-----

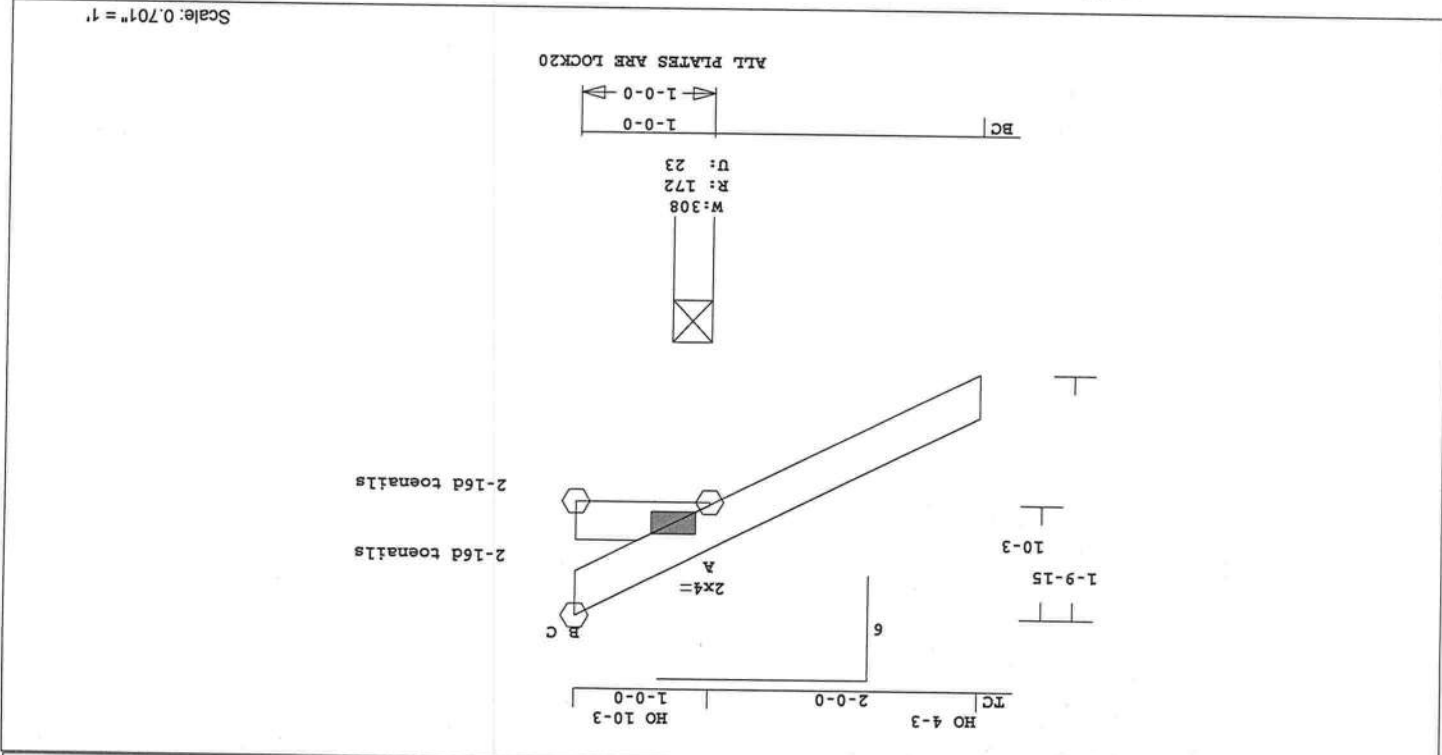
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

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

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



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	J4	12	JCA2	10000	6	2 - 0 - 0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.5 LBS
 Truss is designed as a Main Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 Zone Location: Exterior
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 4 Lbs
 Quality Control Factor 1.25

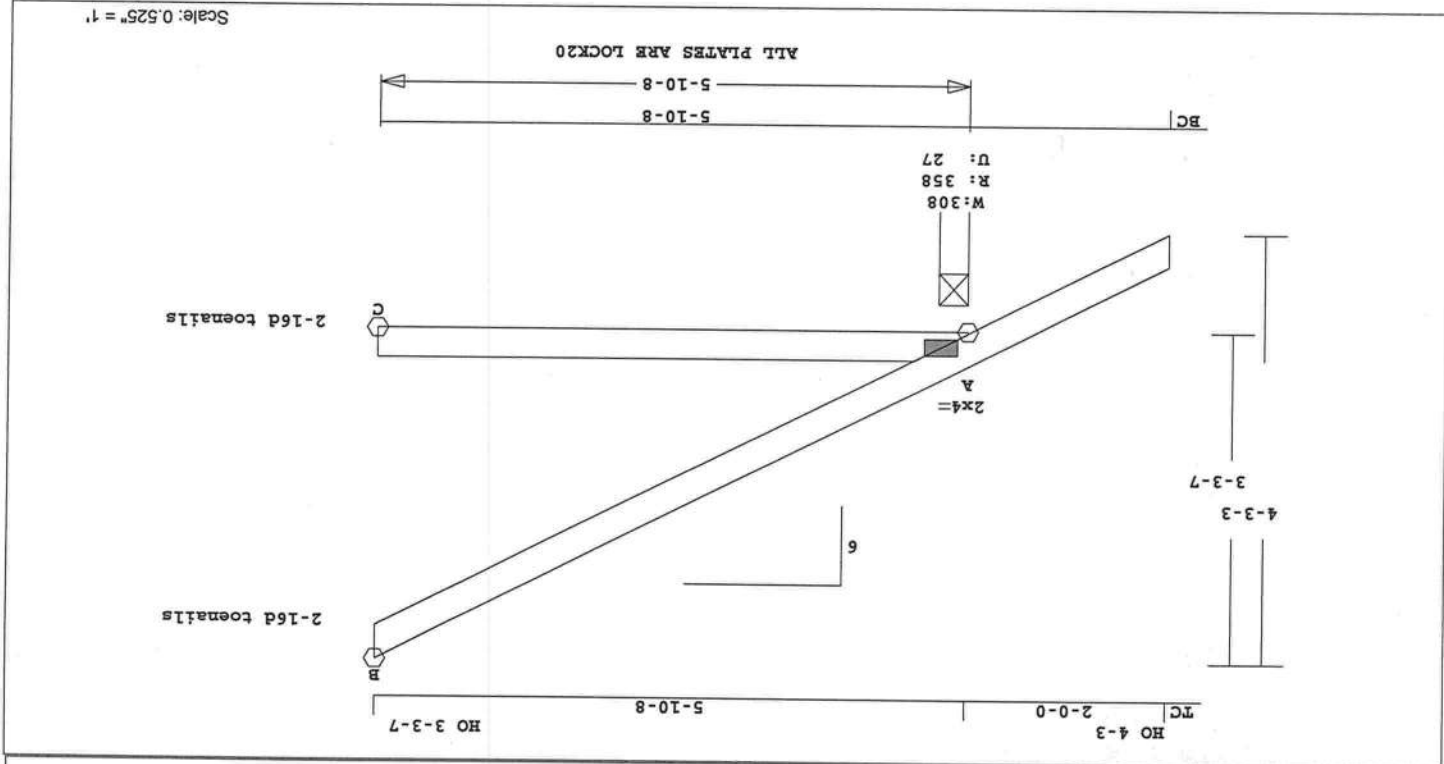
Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 ga, Gross Area
 Plate - RHS 20 ga, Gross Area
 Ut Type Plt Size X Y JSI
 A LOCK 2.0x 4.0 Ctr Ctr 0.65

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 REFER TO ROBINS 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:
 RBC2004
 OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	J5	5	JCA2	51008	6	2 - 0 - 0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Scale: 0.525" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 28.0 LBS
 A - C 0.23 60 T 0.00 0.23
 Online Plus -- Version 18.0.011 LT Defl -0.03" in A - C L/999
 TL Defl -0.09" in A - C L/737
 Shear // Grain in A - B 0.18

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

LT Type Plt Size X Y JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.67

CSI - Size - Lumber -

TC 0.32 2x 4 SP-#2
 BC 0.23 2x 4 SP-#2

Brace truss as follows:

O.C. From To

TC Cont. 0-0-0 5-10-8

BC Cont. 0-0-0 5-10-8

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 Rb=1.15 Rf=1.10

BC Rb=1.10 Rf=1.10

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

LT React Uplift Size Req'd

Lbs In-Sx In-Sx

A 359 27 3-8 1-0

B 165 72 3-8 1-0

C 110 0 3-8 1-0

Hx = 60

Member CSI P Lbs Axl-CSI-Bnd

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

A - B 0.32 44 C 0.00 0.32

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

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

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

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

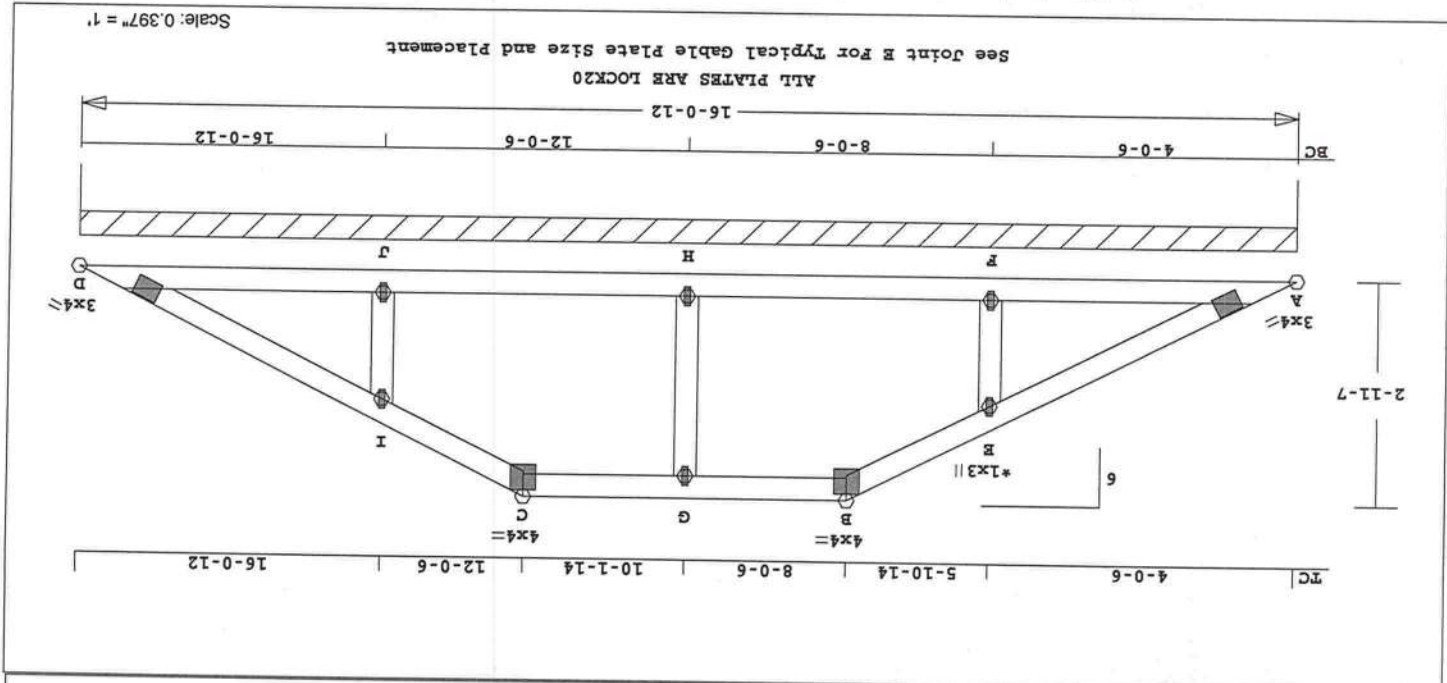
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004

OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-



Truss Design Engineer: Thomas A. Albani
 License #: 39380
 Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BB-STEPHENS	V1	1	VLHP.SB	160012	6	0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 70.9 LBS

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FB2004

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15'-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone Location: Exterior

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 193 Lbs

Quality Control Factor 1.25

A - F	0.06	0 T	0.00	0.06
F - H	0.09	0 T	0.00	0.09
H - J	0.09	0 T	0.00	0.09
J - D	0.06	0 T	0.00	0.06
D - E	0.01	170 C		
E - G	0.01	160 C		
G - I	0.01	170 C		
I - J	0.01	170 C		
J - H	0.10	L/999		
H - F	0.10	L/999		
F - A	0.10	L/999		

TL Defl -0.01" in F - H L/999

Shear // Grain in A - E 0.10

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

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

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Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

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Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Online Plus -- Version 18.0.011

RUN DATE: 06-OCT-05

CS1 -Size- Lumber----

TC 0.07 2x 4 SP-#2

BC 0.09 2x 4 SP-#2

GW 0.01 2x 4 SP-#2

Brace truss as follows:

O.C. From To

TC Cont. 0-0-0 16-0-12

BC Cont. 0-0-0 16-0-12

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=1.15 Fc=1.10

BC Fb=1.10 Fc=1.10

Plus 6 Wind Load Case(s)

Plus 1 UBC LL Load Case(s)

Ut React Uplift Size Req'd

Lbs In-Sx In-Sx

Cont. Brg 0-0-0 to 16-0-12

1186 158 Hz = 46

Member CSI P Lbs Axl-CSI-Bnd

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

A - E 0.07 181 C 0.00 0.07

E - B 0.07 193 C 0.00 0.07

B - G 0.07 163 C 0.00 0.07

G - C 0.07 163 C 0.00 0.07

C - I 0.07 193 C 0.00 0.07

I - D 0.07 181 C 0.00 0.07

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

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

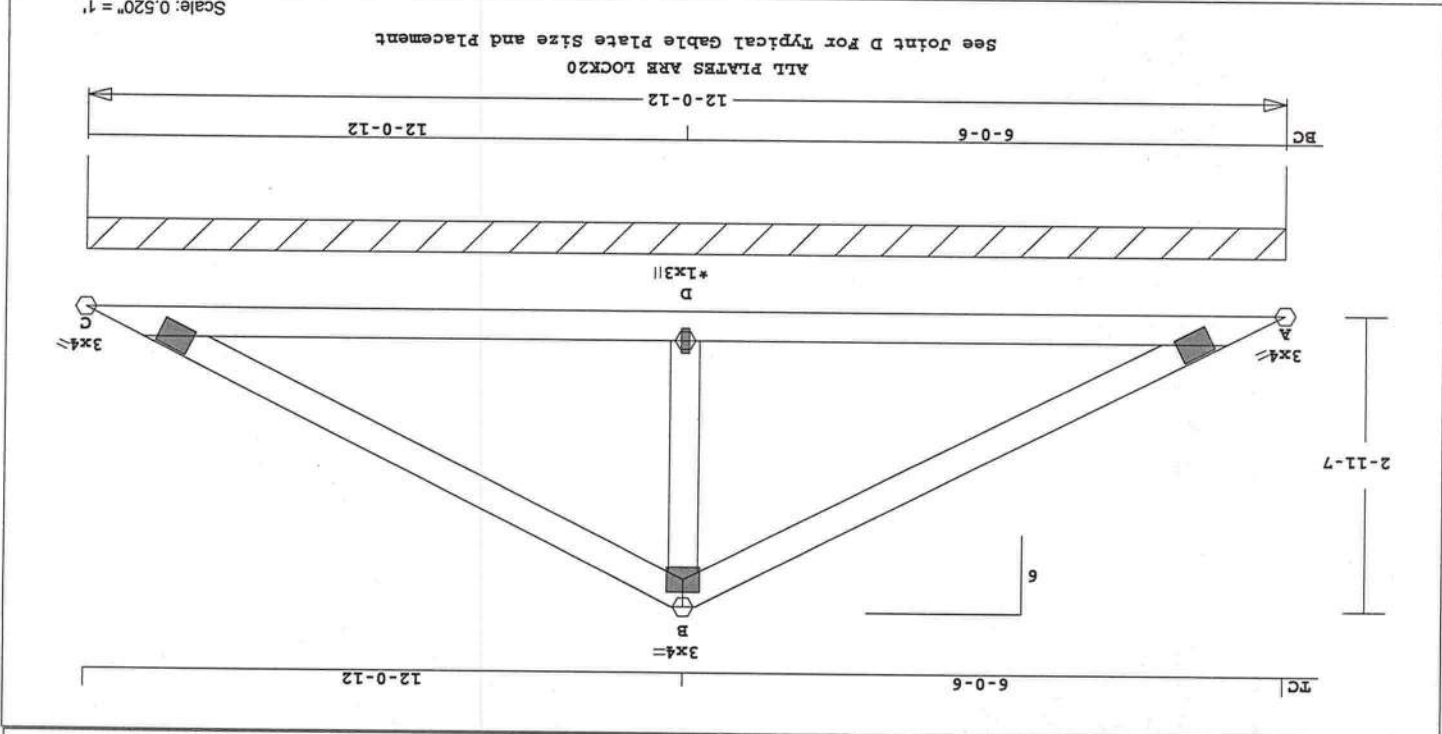
Tampa, FL 33682

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

Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
BB-STEPHENS	V2	1	VL-SB	12'0"12	6	0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 50.2 LBS
Wind Speed: 110 mph
Mean Roof Height: 15'-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone Location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 204 Lbs
Quality Control Factor 1.25

Online Plus -- Version 18.0.011
RUN DATE: 06-OCT-05

CSI -Size- -Lumber-

TC	0.21	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
GW	0.02	2x 4	SP-#2

Brace truss as follows:

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

Loading Live Dead (psf)

TC	20.0	10.0
BC	0.0	10.0
Total	20.0	20.0
Spacing	24.0"	40.0

Lumber Duration Factor 1.25
Plate Duration Factor 1.25

TC	Fb=1.15	Ft=1.10
BC	Fb=1.10	Ft=1.10

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

It React Uplift Size Req'd
Lbs In-Sx In-Sx
Cont. Brg 0 - 0 to 12 - 0 12

Member CSI P Lbs Axl-CSI-Bnd
866 115 Hz = 45

-----Top Chords-----
A - B 0.21 93 C 0.00 0.21
B - C 0.21 93 C 0.00 0.21
-----Bottom Chords-----
A - D 0.14 0 T 0.00 0.14
D - C 0.14 0 T 0.00 0.14

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.

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

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

REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

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

-----Gable Webs-----
D - B 0.02 204 C

LT Defl -0.01" in A - D L/999
TL Defl -0.02" in A - D L/999
Shear // Grain in A - B 0.18

Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

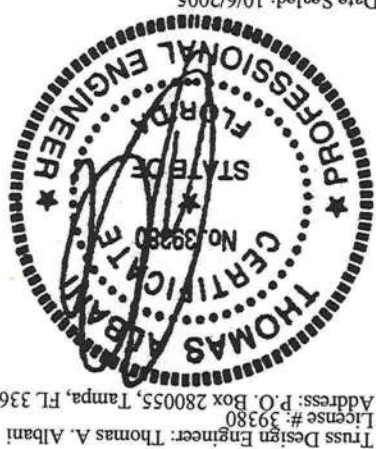
Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75

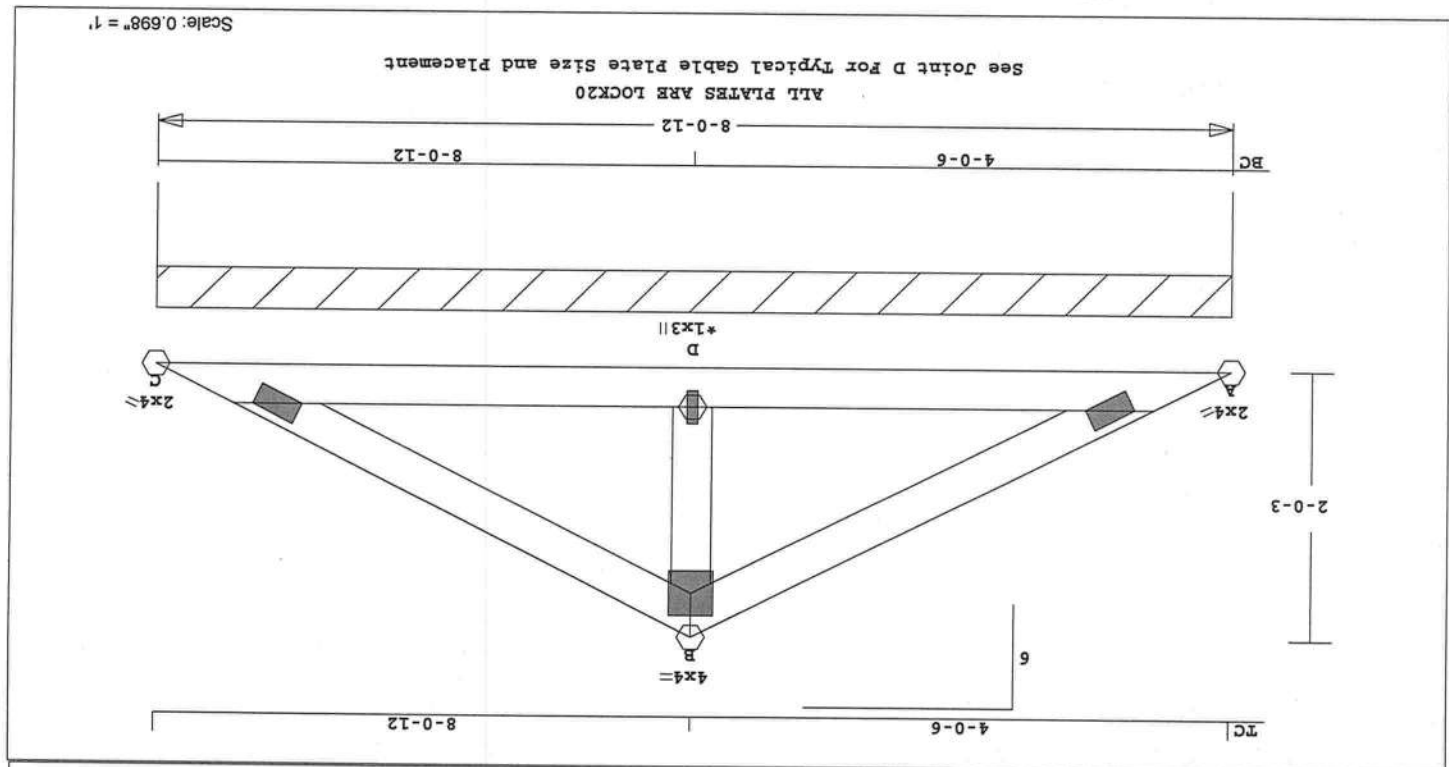
Plating conforms to TPI.
REPORT: NER 691
ROBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
It Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr 0.64
B LOCK 3.0x 4.0 Ctr 0.64
C LOCK 3.0x 4.0 Ctr 0.64
D LOCK 1.0x 3.0 Ctr 0.75



Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 10/6/2005

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	V3	1	VL.SB	86012	6	0	0	T05100542



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS
D - C 0.05

Online Plus -- Version 18.0.011 D - B 0.01 127 C

Gable Webs
RUN DATE: 06-OCT-05

TC	CS	Size	TL Defl	TL Defl	Shear // Grain	in A	B	0.10
0.06	2x 4	SP-#2	0.00"	in D	C	L/999		
0.05	2x 4	SP-#2						
0.01	2x 4	SP-#2						

Plates for each ply each face.

Brace truss as follows:		O.C.		From		To	
TC Cont.	0 - 0 - 0	8 - 0 - 12	0 - 0 - 0	8 - 0 - 12	0 - 0 - 0	8 - 0 - 12	0 - 0 - 0
BC Cont.	0 - 0 - 0	8 - 0 - 12	0 - 0 - 0	8 - 0 - 12	0 - 0 - 0	8 - 0 - 12	0 - 0 - 0

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

	Dead	(psf)	Plate - LOCK 20 ga, gross Area	Plate - RHS 20 ga, gross Area	Plt size X Y JSI	A LOCK 2.0x 4.0 Ctr Ctr 0.71	B LOCK 4.0x 4.0 Ctr Ctr 0.48
Loading	Live						
TC	20.0	10.0					
BC	0.0	10.0					
Total	20.0	20.0	40.0				

REVIEWED BY:

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

NOTES: 546 73 Hz = 28

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

Robbins Engineering, Inc./Online Plus™ © 1996-2005 Version 18.0.01 Engineering - Portrait 10/6/2005 4:08:52 PM Page 1

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

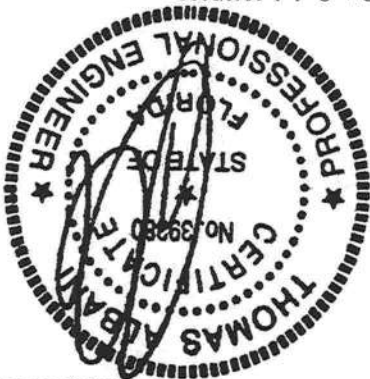
NOTES:

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

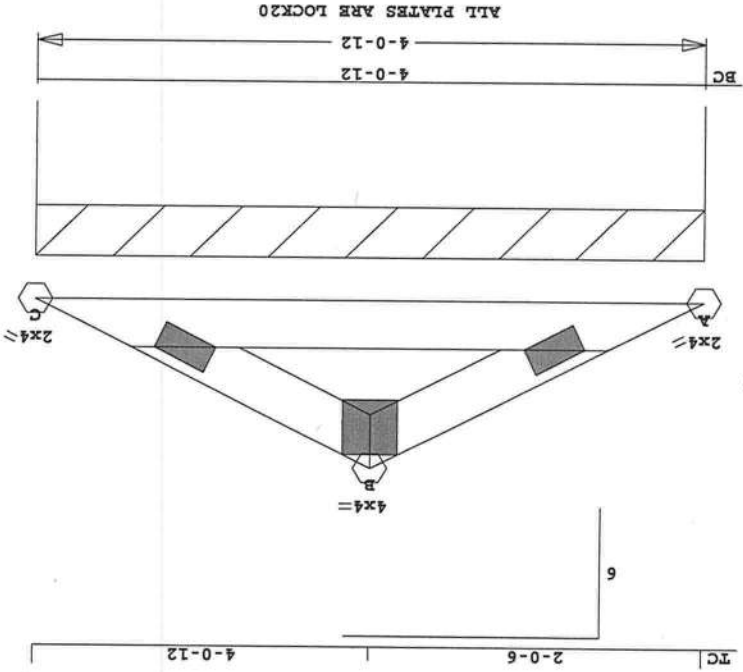
Engineering - Portrait 10/6/2005 4:08:52 PM Page 1

Iruss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 10/6/2005



Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
BB-STEPHENS	V4	1	VL-SB	40012	6	0	0	T05100542
U# J#BB-STEPHENS CHARLIE STEPHENS								



Scale: 0.860" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 13.8 LBS
 TL Defl 0.00" in A - C L/999
 TL Defl 0.00" in A - C L/999
 Shear // Grain in A - C 0.04
 Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 2.0x 4.0 Ctr Ctr 0.65
 B LOCK 4.0x 4.0 Ctr-1.0 0.33
 C LOCK 2.0x 4.0 Ctr Ctr 0.65
 REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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 66 Lbs
 Quality Control Factor 1.25

CSI -Size- ---Lumber---
 TC 0.00 2x 4 SP-#2
 BC 0.01 2x 4 SP-#2
 Brace truss as follows:
 O.C. From To
 TC Cont. 0-0-0 4-0-12
 BC Cont. 0-0-0 4-0-12
 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=1.15 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 In-Sk In-Sk
 Cont. Brg 0-0-0 to 4-0-12
 226 30 Hz = 11
 Memb'r CSI P Lbs Ax1-CSt-Bnd
 -----Top Chords-----
 A-B 0.00 66 C
 B-C 0.00 66 C
 -----Bottom Chords-----
 A-C 0.01 0 T 0.00 0.01

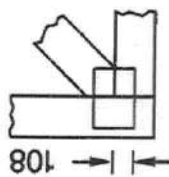
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2004
 Design checked for 10 psf non-concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B



Truss Design Engineer: Thomas A. Albani
 License #: 39380
 Address: P.O. Box 280055, Tampa, FL 33682

ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



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

PLATE SIZE



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

LATERAL BRACING

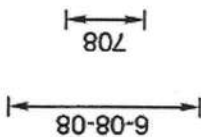
1x4 continuous lateral bracing attached with (2) 8d nails each member where indicated or 2x4 "T" or "L" brace stiffener if applicable nailed flat to edge of web with 12d nails spaced 8" o.c. "T" or "L" brace must be extended at least 90% of web length.

PLATE ORIENTATION



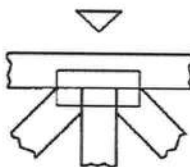
When shown, indicates direction of slots in connector plate.

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 LOCK connector plates (20 ga. galv. steel ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates, unless shown otherwise by circles (o) or dimensions. No loose knots or wanes 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. This design was prepared in accordance with "National Design Specifications for Stress - Grade Lumber and Its Fastenings" (AFPA), "Design Specifications for Light Metal Plate Connected Wood Trusses" (TPI), and HUD Design Criteria for

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

Trussed Rafter. Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to HIB-91 or BCSI 1-03 as published by the Truss Plate Institute, 583 D'Onofrio Drive, Suite 200, Madison, Wisconsin 53719. 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 this drawing meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records.



P.O. Box 280055
Tampa, FL 33682-0055
800-282-1299 • Fax: 813-971-6117

CORPORATE HEADQUARTERS

Customer: RIDGWAY ROOF TRUSS

Contact: Seth Ext. 23, Wells the Losen

Job Reference: 051150 - R.S. LL Lot 167- Cameron B

Customer ID: 155

Job Number: T05100534

ROBBINS		ENGINEERING, INC.		P.O. Box 280055 Tampa, FL 33682-0055 Phone: (813) 972-1135		Engineering Tracking Form 10/6/2005		Drop-Compute	
Notes %SSFL %FX %OT %QR2 %RPPPhil Oregon Thanks, Seth Ext 23						Original Drawing Quantity: 2			
						Final Drawing Quantity: 1			
						Date In: 10/6/2005			
						Date Due: 10/7/2005			
						Date Complete: 10/6/2005			
						Eng. Time: 9			
						Checking Time: 17			
Engineer's Notes						Total Time (min): 26			
						Designer:			
						Checker: PORegan			
						PE: PORegan ,			
						State Seal: FL			
						Qty Flat: 0			
Special Instructions						Qty EMB: 2			
PJO									
						Fax: Yes			
						Overnight:			
						Pick-up:			
						%SSFL %FX %OT %QR2 %RP			

Customer: RIDGWAY ROOF TRUSS

Contact: Seth Ext. 23, Wells the Losen

Job Reference: 051150 - R.S. LL Lot 167- Cameron B

Customer ID: 155

Job Number: T05100534

ROBBINS ENGINEERING, INC.	P.O. Box 280055 Tampa, FL 33682-0055 Phone: (813) 972-1135	Engineering Tracking Form 10/6/2005	Drop-Compute
------------------------------	--	--	--------------

Notes		Original Drawing	
%SSFL %FX %OT %QR2 %RPPPhil Oregon Thanks, Seth Ext 23		Quantity:	2
		Final Drawing	
		Quantity:	1
		Date In:	10/6/2005
		Date Complete:	10/6/2005
		Designer:	
		PE:	PORegan

State Seal:	FL
Qty Flat:	0
Qty EMB:	2

	Fax:	Yes
	Overnight:	
	Pick-up:	

%SSFL %FX %OT %QR2 %RP

Permit Number: _____

Miscellaneous: _____

Address: _____

Lot Number: _____

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

Truss Fabricator:RIDGWAY ROOF TRUSS

Job Reference:051150 - R.S. LL Lot 167- Cameron B

Standard Loading:
T.C. Live 20 psf
T.C. Dead 7 psf
B.C. Live 0 psf
B.C. Dead 10 psf
Total 37 psf

ANSI/ASCE 7-98
Wind Speed - 110 mph
Mean Roof Ht. - 16 ft.
Exposure Category - B
Occupancy Factor - 1.00
Enclosed
C and C

Engineering Index Sheet

Index Page 1 of 1

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

Job Number T05100534 Date 10/6/2005
FBC - 2001 Chapter 16 and 23
Specification Quantity 1

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 1 10/6/2005 R14

Date Mark

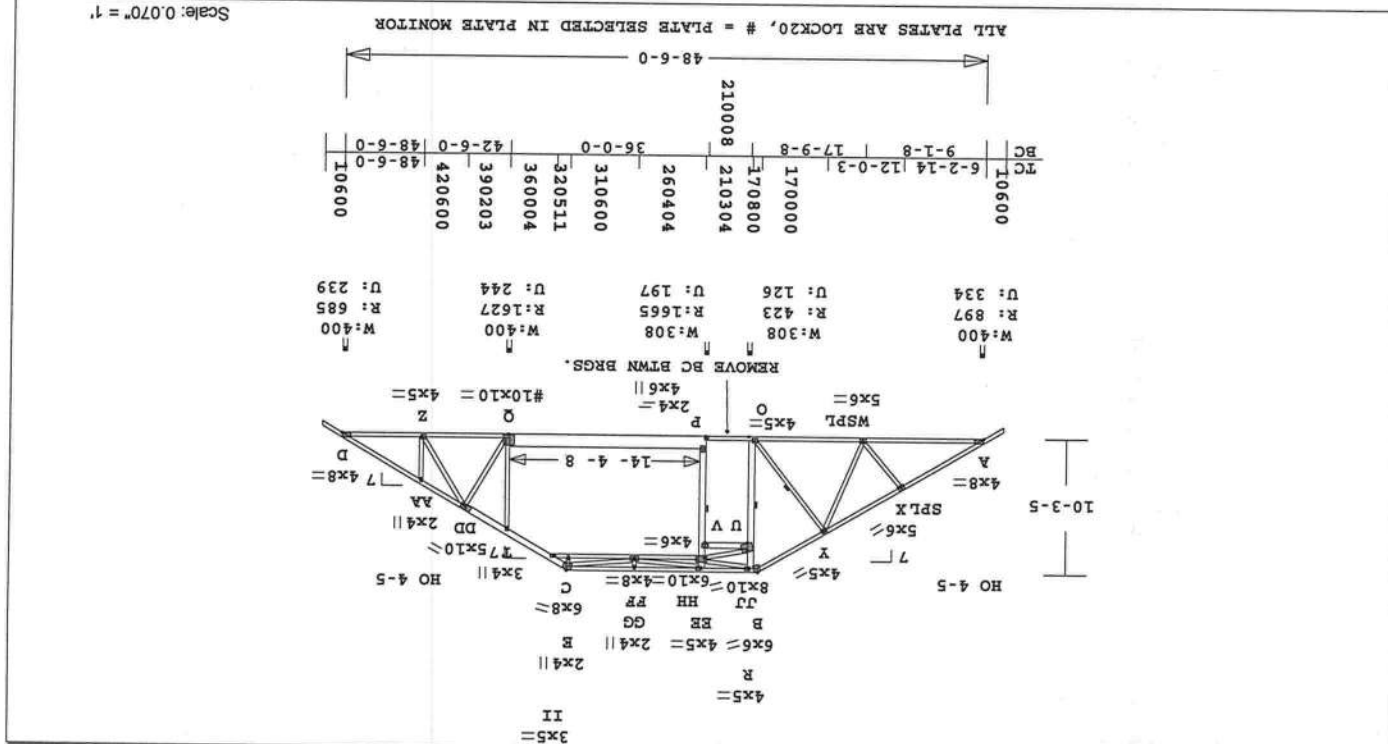
Date Mark

Date Mark



Truss Design Engineer: Philip O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
051150	R14	8	HIP	480600	7	1-6-0	1-6-0	T05100534
U# J#051150 R.S. LT Lot 167 - Cameron B								



Scale: 0.070" = 1'

Online Plus -- Version 18.0.011
Run Date: 06-OCT-05

CSI - Size - Lumber -
TC 0.42 2x 4 SP-#2
EX C-DD 2x 6 SP-#2
BC P-Q 0.76 2x 4 SP-#2
WB P-Q 0.44 2x 6 SP-#2
EX O-R 0.44 2x 4 SP-#3
WB 0.44 2x 4 SP-#3
EX P-EE 2x 6 SP-#2
EX P-EE 2x 4 SP-#3
ACT 0.38 2x 4 SP-#3
AWT 0.53 2x 4 SP-#3

Brace truss as follows:
TC Cont. 0-0-0 48-6-0
BC Cont. 0-0-0 48-6-0
WB 1 rows CLB on Y-O
WB 1 rows CLB on O-R
WB 1 rows CLB on P-EE
Attach CLB with (2)-10d nails
at each web.

Member	CSI	P Lbs	Ax1	CSI-Bnd	Top Chords	Bottom Chords	Web
A-X	0.40	1131	C	0.01	0.39	0.00	0.18
X-Y	0.40	924	C	0.01	0.39	0.00	0.18
Y-B	0.32	353	C	0.00	0.32	0.00	0.18
B-R	0.11	306	C	0.02	0.09	0.00	0.18
R-EE	0.42	367	T	0.06	0.36	0.00	0.18
EE-GG	0.36	941	C	0.00	0.36	0.00	0.18
GG-C	0.21	941	C	0.01	0.20	0.00	0.18
C-II	0.32	840	C	0.00	0.32	0.00	0.18
II-T	0.43	477	C	0.00	0.43	0.00	0.18
T-DD	0.43	311	C	0.00	0.43	0.00	0.18
DD-AA	0.30	773	C	0.00	0.30	0.00	0.18
AA-D	0.30	752	C	0.00	0.30	0.00	0.18
W-O	0.48	621	T	0.13	0.35	0.00	0.18
A-W	0.55	987	T	0.20	0.35	0.00	0.18
P-Q	0.94	321	T	0.03	0.91	0.00	0.18
Q-Z	0.71	436	T	0.09	0.62	0.00	0.18
Z-D	0.31	655	T	0.13	0.18	0.00	0.18

Member	CSI	P Lbs	Ax1	CSI-Bnd	Top Chords	Bottom Chords	Web
X-W	0.11	314	C	0.00	0.11	0.00	0.09
W-X	0.18	466	T	0.03	0.18	0.00	0.09
Y-O	0.19	557	T	0.03	0.19	0.00	0.09
O-U	0.03	213	T	0.00	0.03	0.00	0.09
U-J	0.03	214	T	0.00	0.03	0.00	0.09
J-R	0.03	214	T	0.00	0.03	0.00	0.09
R-HH	0.16	632	C	0.00	0.16	0.00	0.09
HH-HH	0.01	39	C	0.00	0.01	0.00	0.09
HH-EE	0.10	546	C	0.01	0.10	0.00	0.09
P-HH	0.10	546	C	0.01	0.10	0.00	0.09
Q-T	0.44	531	C	0.00	0.44	0.00	0.09
Q-DD	0.16	282	C	0.00	0.16	0.00	0.09
DD-Z	0.17	447	T	0.00	0.17	0.00	0.09
Z-AA	0.07	294	C	0.00	0.07	0.00	0.09
HH-PF	0.38	673	C	0.01	0.37	0.00	0.08
PF-E	0.34	516	T	0.18	0.16	0.00	0.08
E-II	0.27	522	T	0.19	0.08	0.00	0.08
EE-PF	0.53	1334	T	0.00	0.53	0.00	0.08
PF-GG	0.04	251	C	0.00	0.04	0.00	0.08
GG-C	0.08	220	T	0.00	0.08	0.00	0.08
E-C	0.02	59	T	0.00	0.02	0.00	0.08

Plus 7 Wind Load Case(s)
Plus 2 Unbalanced Load Cases

TL Defl -0.26" in P-Q L/677
TL Defl -0.35" in P-Q L/495
Shear // Grain in P-Q 0.40

Plates for each ply each face.
ALL CONNECTOR PLATES
TO BE MANUFACTURED BY
ROBBINS ENGINEERING, INC.
Plate - LOCK 20 Ga, Gross Area



Truss Design Engineer: Philip O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Trusses Manufactured by:
RIDGWAY ROOF TRUSSES
Analysts Conforms To:
ANSI/TPI 95 & 02

NOTES:
= Plate Monitor used

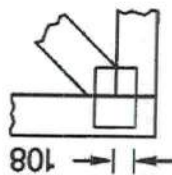
Member	CSI	P Lbs	Ax1	CSI-Bnd	Top Chords	Bottom Chords	Web
A-LOCK	4.0x 8.0	1.2	0.4	0.82	0.75	0.00	0.00
X-LOCK	5.0x 6.0	1.0	0.4	0.6	0.75	0.00	0.00
Y-LOCK	4.0x 5.0	0.8	0.4	0.62	0.75	0.00	0.00
B-LOCK	6.0x 6.0	1.0	0.4	0.6	0.75	0.00	0.00
R-LOCK	4.0x 5.0	0.8	0.4	0.62	0.75	0.00	0.00
EE-LOCK	4.0x 5.0	0.8	0.4	0.62	0.75	0.00	0.00
GG-LOCK	2.0x 4.0	0.4	0.4	0.53	0.75	0.00	0.00
C-LOCK	6.0x 8.0	1.2	0.4	0.82	0.75	0.00	0.00
II-LOCK	3.0x 4.0	0.4	0.4	0.35	0.75	0.00	0.00
T-LOCK	3.0x 4.0	0.4	0.4	0.35	0.75	0.00	0.00
DD-LOCK	5.0x 10.0	0.9	0.4	0.84	0.75	0.00	0.00
AA-LOCK	2.0x 4.0	0.4	0.4	0.53	0.75	0.00	0.00
D-LOCK	4.0x 8.0	1.2	0.4	0.82	0.75	0.00	0.00
W-LOCK	5.0x 6.0	1.0	0.4	0.6	0.75	0.00	0.00
O-LOCK	4.0x 5.0	0.8	0.4	0.62	0.75	0.00	0.00
P-LOCK	10.0x 10.0	0.9	0.4	0.84	0.75	0.00	0.00
Q-LOCK	4.0x 5.0	0.8	0.4	0.62	0.75	0.00	0.00
Z-LOCK	4.0x 5.0	0.8	0.4	0.62	0.75	0.00	0.00
HH-LOCK	6.0x 10.0	1.2	0.4	0.81	0.75	0.00	0.00
PF-LOCK	4.0x 8.0	1.2	0.4	0.94	0.75	0.00	0.00
E-LOCK	2.0x 4.0	0.4	0.4	0.53	0.75	0.00	0.00
UJ#LOCK	8.0x 10.0	0.4	2.6	0.57	0.75	0.00	0.00

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
051150	R14	8	HIPP	480600	7	1 - 6 - 0	1 - 6 - 0	T05100534
U# J#051150 R.S. LL Lot 167 - Cameron B								

OH Loading
Soffit psf 2.0
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - - ANSI / ASCE 7-98
Trusses is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 16-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 4.0 psf
BC Dead Load: 6.0 psf
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00
Max comp. force 1131 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

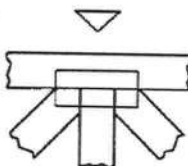


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots.

LATERAL BRACING

1x4 continuous lateral bracing attached with (2) 8d nails each member where indicated or 2x4 "T" or "L" brace stiffener if applicable nailed flat to edge of web with 12d nails spaced 8" o.c. "T" or "L" brace must be extended at least 90% of web length.

BEARING



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).

DIMENSIONS

PLATE ORIENTATION



When shown, indicates direction of slots in connector plate.

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 LOCK connector plates (20 ga. galv. steel ASTM A653 SS Grade 40) shall be applied on both faces of truss at each joint. Center the plates, unless shown otherwise by circles (o) or dimensions. No loose knots or wanes 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. This design was prepared in accordance with "National Design Specifications for Stress - Grade Lumber and Its Fastenings" (AFPA), "Design Specifications for Light Metal Plate Connected Wood Trusses" (TPI), and HUD Design Criteria for

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

CORPORATE HEADQUARTERS

P.O. Box 280055
Tampa, FL 33682-0055
800-282-1299 • Fax: 813-971-6117

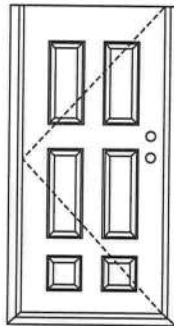


X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+66.0/-66.0

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

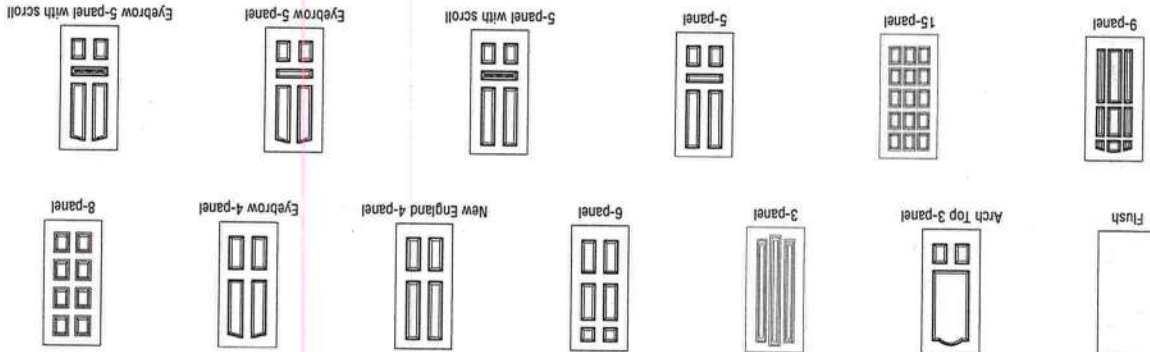
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:



Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR
Premium Quality Doors
Exclusively from
Masonite
Masonite International Corporation

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt J. Balhazor

State of Florida, Professional Engineer
Kurt Balhazor, P.E. – License Number 56533

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.elseemco.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Warrick Hersey

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203
COMPANY NAME
CITY, STATE

PRODUCT COMPLIANCE LABELING:

NCTL 210-2185-1, 2, 3
Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.
Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.
Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.
Frame constructed of wood with an extruded aluminum threshold.

CERTIFIED TEST REPORTS:

WOOD-EDGE STEEL DOORS

X
Opaque Inswing Unit

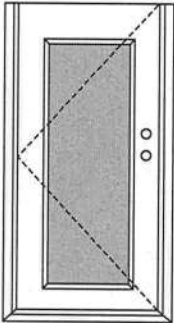
COP-WL-JH4101-02

COP-WL-JH4141-02

X
Glazed Inswing Unit

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

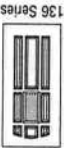
1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

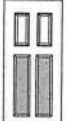
1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



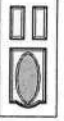
12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

X
Glazed Inswing Unit

GOP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



FULL GLASS:

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3
Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.
Unit Tested in Accordance with Miami-Dade BCCO PA202.
Evaluation report NCTL-210-2794-1
Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood.
Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior
cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid
plastic lip lite surround.
Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202
COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged
exterior door unit conforms to the requirements of the 2001 Florida
Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balhazor, P.E. - License Number 56533

Kurt Balhazor



Test Data Review Certificate #3026447A
and COP/Test Report Validation Matrix
#3026447A-001 provides additional
information - available from the ITSMH
website (www.elsemk.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product
detail subject to change without notice.

PREMDOR Collection
Premium Quality Doors
Masonite
Exclusively from
Masonite International Corporation

**AAMA/NWDA 101/S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window**

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
De-glazing	Passed
Forced Entry Resistance	Grade 10

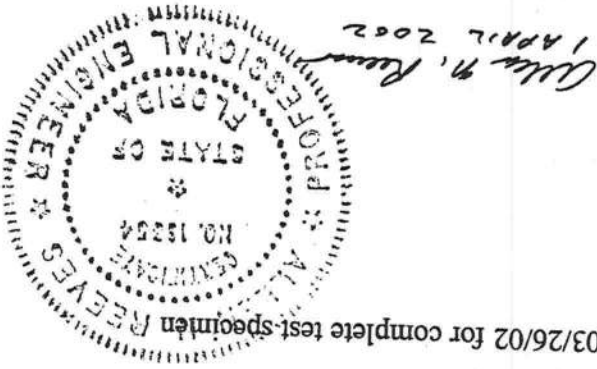
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test-specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:nlb





AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen N. Reeves
1 APRIL 2002





Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

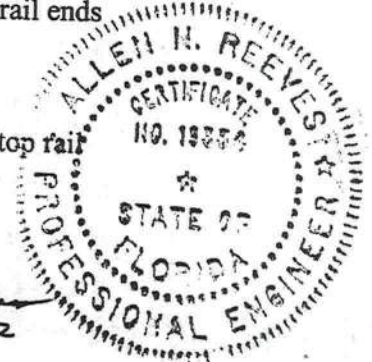
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	
@ 70.8 psf (negative)	0.05"	

Allen N. Reeves
1 APRIL 2002





MAH:mb
01-41134.01

Technician

Mark A. Hess

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

For ARCHITECTURAL TESTING, INC:

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.



Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 10/4/05

(Address of Treatment or Lot/Block of Treatment)

City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)
Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1 (Information to be provided to local building code offices prior to concrete foundation installation.)

6/05 ©

Notice of Treatment

11798

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE BAYA DE

City: LC Phone: 752-1703

Site Location: Subdivision

Lot # Block# Permit # 20 23833

Address 2382 SW Birley Rd

Product used Active Ingredient % Concentration

☐ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☒ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

DWL

1,920

3

As per Florida Building Code 104.2.6 - If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line.

1/30/06

4/5

Daniel

Date

Time

Print Technician's Name

Remarks:

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05 ©