

DATE 11/29/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023906

APPLICANT ROBERT PARNELL PHONE 755.0345
ADDRESS 2879 SW DAISY ROAD FT. WHITE FL 32038
OWNER ROBERT & BRENDA PARNELL PHONE 755.0345
ADDRESS 2879 SW DAISY ROAD FT. WHITE FL 32038
CONTRACTOR ROBERT W. PARNELL PHONE 755.0345
LOCATION OF PROPERTY 47-S TO C-240,TR TO ICHE.TL, TO CURTAIN,TR TO SPRUCE,TL TO
MERCIFUL,TR CORNER OF MERCIFUL & DAISY.
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 85000.00
HEATED FLOOR AREA 1700.00 TOTAL AREA 2425.00 HEIGHT 22.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 10'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 1 FLOOD ZONE XPS DEVELOPMENT PERMIT NO. _____

PARCEL ID 36-5S-15-00488-026 SUBDIVISION SPRING HILLS
LOT 1 BLOCK B PHASE _____ UNIT _____ TOTAL ACRES 1.00

RB0067106
Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number RB0067106 Applicant/Owner/Contractor Robert W Parnell
EXISTING 05-1117-N BLK JTH N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE..SURVEY DEPICTS SFD IS BEING BUILT ON LOT 1-B

1 FOOT ABOVE ROAD.REPLACEMENT ONLY. REMOVED M/H CHARGED FOR ASSESSMENT

Check # or Cash 6225

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 425.00 CERTIFICATION FEE \$ 12.13 SURCHARGE FEE \$ 12.13
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 524.26
INSPECTORS OFFICE [Signature] CLERKS OFFICE [Signature]

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.

Revised 9-23-04

Robert W. Panel

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

to (or affirmed) and subscribed before me

28th day of October 20 05.

ly known ☒ or Produced Identification

Contractor Signature

Contractors License Number CB 0067106

Competency Card Number 5572

NOTARY STAMP/SEAL

Rhonda B. Green

Notary Signature

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
TITLE OFFICES, LLC
1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025

Parcel I.D. #: 00488-026 & 00488-029
Owner(s) SS#'s: 262548474, 263867130

Inst:2005024765 Date:10/05/2005 Time:14:23

DC,P.DeWitt Cason,Columbia County B:1060 P:2440

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

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)

TBD MERCIFUL DRIVE, LAKE CITY, FLORIDA

Lots 1 and 4, Block B, SPRING HILLS, according to the map or plat thereof as recorded in Plat Book 4, Page 33-33A, of the Public Records of Columbia County, FLORIDA.

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

3. Owner information:

a. Name and address:

ROBERT W. PARNELL and BRENDA J. PARNELL
418 SW TINA GLEN, LAKE CITY, FLORIDA 32024

b. Interest in property: **Fee Simple**

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

755-7874

4. Contractor: (Name and Address)

OWNER BUILDER

5. Surety (if any):

a. Name and Address:

Telephone Number: _____

b. Amount of Bond \$ _____

6. Lender: (Name and Address)

PEOPLES STATE BANK

350 SW MAIN BLVD., LAKE CITY FL 32025

Telephone Number: **386-754-0002**

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 Licor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)

PEOPLES STATE BANK

350 SW MAIN BLVD., LAKE CITY FL 32025

Telephone Number: **386-754-0002**

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

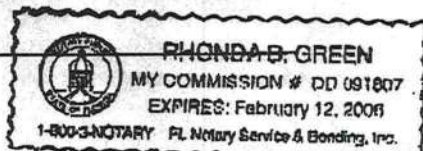
Robert W. Parnell (SEAL)
ROBERT W. PARNELL

Brenda J. Parnell (SEAL)
BRENDA J. PARNELL

Sworn to and subscribed before me this 30th day of September, 2005, by **ROBERT W. PARNELL and BRENDA J. PARNELL**, who are personally known to me or who have produced **DRIVERS LICENSE** as identification.

Rhonda B. Green
Notary Public

My Commission Expires: _____



This Warranty Deed Made the 11 day of Aug A. D. 2005 by

HELMER GLEN MCINTOSH AND PHYLISS SUE MCINTOSH his wife
hereinafter called the grantor, to

✓ ROBERT W. PARNELL AND BRENDA J. PARNELL his wife

whose postoffice address is RT # 9 BOX 387

hereinafter called the grantee: LAKE CITY, FLORIDA 32024

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth: That the grantor, for and in consideration of the sum of \$ _____ and other

valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, releases, conveys and confirms unto the grantee, all that certain land situate in _____ County, Florida, viz:

LOT NO.1 BLOCK B, LOT 4, BLOCK B, AND LOT 5, BLOCK B

SPRING HILLS SUBDIVISION, a subdivision as per plat thereof recorded in plat book 4, pages 33 and 34A, public records. of COLUMBIA COUNTY, FLORIDA

N.B.: Subject to Deed of Restrictions dated June 9, 1976 and recorded in Official Records Book 363, at pages 374 - 377, public records of COLUMBIA COUNTY, FLORIDA and subject to utility easements and oil, gas and mineral rights and interests outstanding and of record if any.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in any-wise appertaining.

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants 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, 19 _____

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Helmer Glen McIntosh
Phylliss Sue McIntosh

STATE OF Ohio
COUNTY OF Montgomery

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared

HELMER GLEN MCINTOSH &
PHYLISS SUE MCINTOSH
to me known to be the person described in and who executed the foregoing instrument and they acknowledged before me that they executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 11 day of Aug

Charlotte A. Bradley

This Instrument prepared by:
Address _____

Charlotte A. Bradley
Notary Public, State of Ohio
My Commission Expires Nov. 30, 2009

L.S.

L.S.

BELOW FOR RECORDERS USE

Inst: 2005019532 Date: 08/12/2005 Time: 13:55
Doc Stamp-Deed: 175.00
Dr. P. Dewitt Cason, Columbia County B-1054 P-2669

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling
☐ Farm Outbuilding
☒ New Construction
- ☐ Two-Family Residence
☐ Other _____
☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Robert W Powell, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Robert W Powell 11-28-05
Signature Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 1787 * Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: October 10, 2005

ENHANCED 9-1-1 ADDRESS:

2879 SW DAISY RD (FORT WHITE, FL 32038)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER PARCEL NUMBER: 36-5S-15-00488-026

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 1 BLOCK B SPRING HILLS S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED



STATE OF FLORIDA
DEPARTMENT OF HEALTH

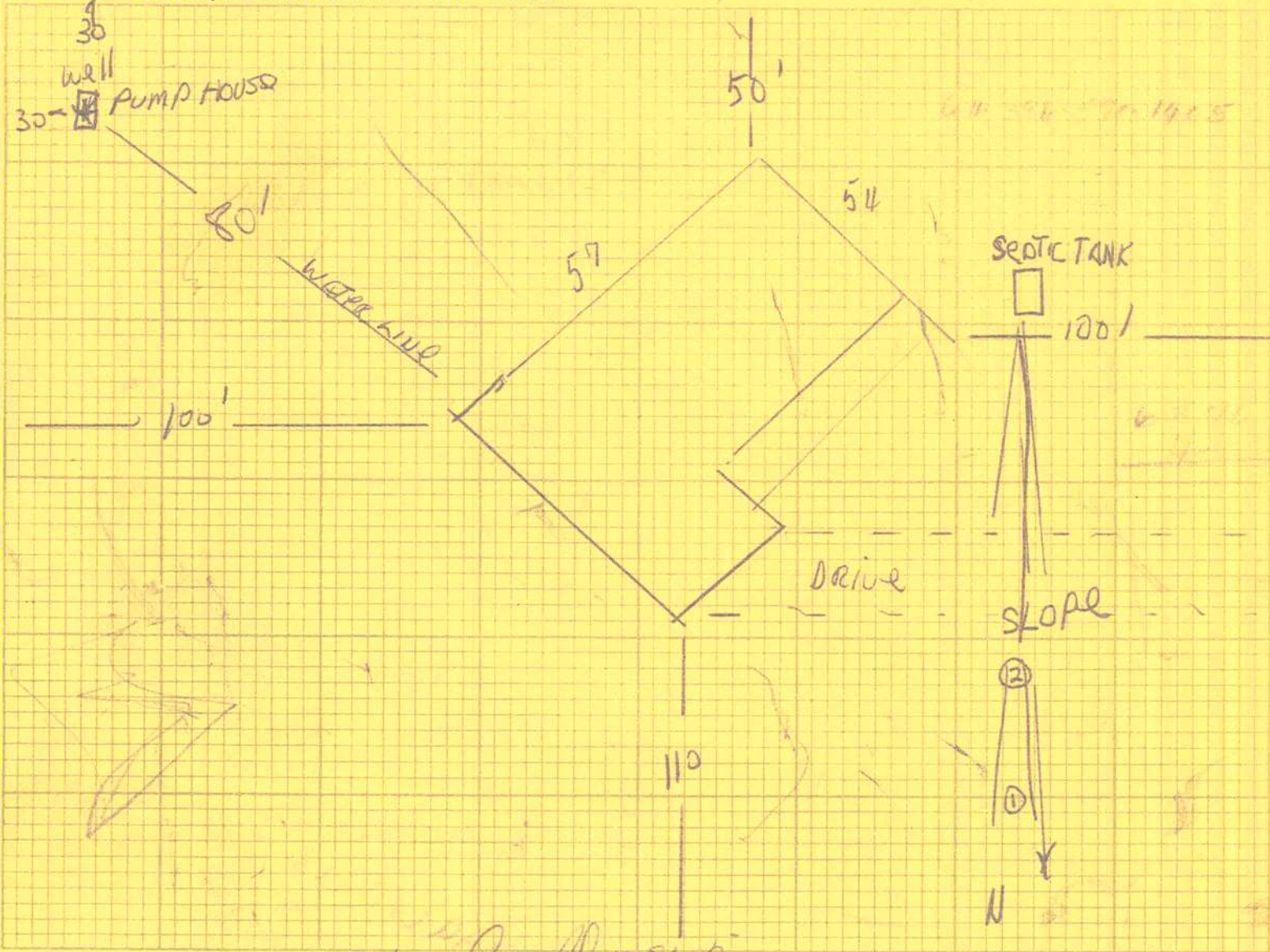
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

05-1117N

PART II - SITE PLAN

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



Notes:

Site Plan submitted by: Robert W. Parnell Signature
Plan Approved X Not Approved Barbara Richard Title Owner
By Robert W. Parnell Date 10-21-05
COLUMBIA County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 507084ParnellResidence		Builder:	
Address:		Permitting Office:	
City, State: , FL		Permit Number:	
Owner: Parnell		Jurisdiction Number:	
Climate Zone: North			

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 38.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1700 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 256.0 ft²	a. Electric Heat Pump	Cap: 38.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		HSPF: 7.20
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 197.0(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.89
a. Frame, Wood, Exterior	R=13.0, 1566.0 ft²	b. N/A	
b. Frame, Wood, Adjacent	R=13.0, 207.0 ft²		
c. N/A		c. Conservation credits	
d. N/A		(HR-Heat recovery, Solar	
e. N/A		DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 1700.0 ft²	(CF-Ceiling fan, CV-Cross ventilation,	
b. N/A		HF-Whole house fan,	
c. N/A		PT-Programmable Thermostat,	
11. Ducts		MZ-C-Multizone cooling,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 170.0 ft	MZ-H-Multizone heating)	
b. N/A			

Glass/Floor Area: 0.15	Total as-built points: 26898	PASS
	Total base points: 27281	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	
PREPARED BY: Ben Sparks	
DATE: 7/27/09 Ben Sparks	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.
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.	
OWNER/AGENT:	BUILDING OFFICIAL:
DATE:	DATE:

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1700.0	20.04	6132.2	Double, Clear	W	1.5	6.5	75.0	38.52	0.93	2678.7
				Double, Clear	S	6.0	7.0	6.0	35.87	0.54	116.4
				Double, Clear	W	3.5	7.0	18.0	38.52	0.73	506.2
				Double, Clear	NW	6.5	7.0	12.0	25.97	0.65	203.0
				Double, Clear	S	99.0	5.0	10.0	35.87	0.43	154.9
				Double, Clear	N	0.0	0.0	30.0	19.20	1.00	576.0
				Double, Clear	N	0.0	0.0	3.0	19.20	1.00	57.6
				Double, Clear	E	1.5	7.0	18.0	42.06	0.94	710.5
				Double, Clear	E	4.0	7.0	36.0	42.06	0.68	1029.8
				Double, Clear	S	0.0	0.0	30.0	35.87	1.00	1076.0
				Double, Clear	S	0.0	0.0	18.0	35.87	1.00	645.6
								As-Built Total:			256.0
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	207.0	0.70	144.9	Frame, Wood, Exterior		13.0	1566.0	1.50	2349.0		
Exterior	1566.0	1.70	2662.2	Frame, Wood, Adjacent		13.0	207.0	0.60	124.2		
Base Total: 1773.0 2807.1				As-Built Total: 1773.0 2473.2							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	2.40	48.0	Exterior Insulated			10.0	4.10	41.0		
Exterior	30.0	6.10	183.0	Exterior Insulated			20.0	4.10	82.0		
				Adjacent Insulated			20.0	1.60	32.0		
Base Total: 50.0 231.0				As-Built Total: 50.0 155.0							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1700.0	1.73	2941.0	Under Attic		30.0	1700.0	1.73 X 1.00	2941.0		
Base Total: 1700.0 2941.0				As-Built Total: 1700.0 2941.0							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	197.0(p)	-37.0	-7289.0	Slab-On-Grade Edge Insulation		0.0	197.0(p)	-41.20	-8116.4		
Raised	0.0	0.00	0.0								
Base Total: -7289.0				As-Built Total: 197.0 -8116.4							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BSPM = Points				Area X SPM = Points					
1700.0 10.21 17357.0				1700.0 10.21 17357.0					
Summer Base Points: 22179.3				Summer As-Built Points: 22564.4					
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)					
22179.3 0.4266 9461.7				22564.4 1.000 (1.090 x 1.147 x 0.91) 0.341 1.000 8761.8 22564.4 1.00 1.138 0.341 1.000 8761.8					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Points							
.18	1700.0	12.74	3898.4	Double, Clear	W	1.5	6.5	75.0	20.73	1.02	1585.2
				Double, Clear	S	6.0	7.0	6.0	13.30	2.50	199.4
				Double, Clear	W	3.5	7.0	18.0	20.73	1.08	404.3
				Double, Clear	NW	6.5	7.0	12.0	24.30	1.02	298.5
				Double, Clear	S	99.0	5.0	10.0	13.30	3.66	486.7
				Double, Clear	N	0.0	0.0	30.0	24.58	1.00	737.3
				Double, Clear	N	0.0	0.0	3.0	24.58	1.00	73.7
				Double, Clear	E	1.5	7.0	18.0	18.79	1.03	347.3
				Double, Clear	E	4.0	7.0	36.0	18.79	1.15	775.8
				Double, Clear	S	0.0	0.0	30.0	13.30	1.00	398.9
				Double, Clear	S	0.0	0.0	18.0	13.30	1.00	239.3
				As-Built Total:							256.0
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	207.0	3.60	745.2	Frame, Wood, Exterior			13.0	1566.0	3.40	5324.4	
Exterior	1566.0	3.70	5794.2	Frame, Wood, Adjacent			13.0	207.0	3.30	683.1	
Base Total:			1773.0	6539.4			As-Built Total:			1773.0	6007.5
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	20.0	11.50	230.0	Exterior Insulated				10.0	8.40	84.0	
Exterior	30.0	12.30	369.0	Exterior Insulated				20.0	8.40	168.0	
				Adjacent Insulated				20.0	8.00	160.0	
Base Total:			50.0	599.0			As-Built Total:			50.0	412.0
CEILING TYPESArea X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1700.0	2.05	3485.0	Under Attic			30.0	1700.0	2.05 X 1.00	3485.0	
Base Total:			1700.0	3485.0			As-Built Total:			1700.0	3485.0
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	197.0(p)	8.9	1753.3	Slab-On-Grade Edge Insulation			0.0	197.0(p)	18.80	3703.6	
Raised	0.0	0.00	0.0								
Base Total:			1753.3	As-Built Total:				197.0	3703.6		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE	AS-BUILT
INFILTRATION Area X BWPM = Points	Area X WPM = Points
1700.0 -0.59 -1003.0	1700.0 -0.59 -1003.0
Winter Base Points: 15272.1	Winter As-Built Points: 18151.5
Total Winter X System = Heating Points Multiplier Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)
15272.1 0.6274 9581.7	18151.5 1.000 (1.069 x 1.169 x 0.93) 0.474 1.000 9991.0 18151.5 1.00 1.162 0.474 1.000 9991.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit Multiplier	= Total
3		2746.00	8238.0	40.0	0.89	3		1.00	2715.15	8145.4
				As-Built Total:						8145.4

CODE COMPLIANCE STATUS										
BASE					AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	
9462		9582		8238 27281	8762		9991		8145 26898	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

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. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
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 reqts	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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.8

The higher the score, the more efficient the home.

Parnell, , , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 38.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1700 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 256.0 ft²	a. Electric Heat Pump	Cap: 38.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²		HSPF: 7.20
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 197.0(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 40.0 gallons
9. Wall types			EF: 0.89
a. Frame, Wood, Exterior	R=13.0, 1566.0 ft²	b. N/A	
b. Frame, Wood, Adjacent	R=13.0, 207.0 ft²	c. Conservation credits	
c. N/A		(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1700.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 170.0 ft		
b. N/A			

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.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**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 EnergyStarTM 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.*

Energy Gauge 8.0 Version: FLR2PB v3.4)

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	507084aParnellResidence	Builder:	
Address:		Permitting Office:	
City, State:	, FL	Permit Number:	23906
Owner:	Parnell	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 49.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	2271 ft²		
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 49.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 325.0 ft²		HSPF: 7.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 325.0 ft²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 244.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1821.0 ft²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2271.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 190.0 ft		
b. N/A			

Glass/Floor Area: 0.14

Total as-built points: 31263
Total base points: 31699

PASS

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

PREPARED BY: Y Ben [Signature]
DATE: 2-15-06

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

OWNER/AGENT: _____
DATE: _____

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: _____



1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt			Area X	SPM X	SOF = Points	
.18	2271.0	20.04	8192.0	Double, Clear	NW	1.5	6.5	75.0	25.97	0.94	1825.5
				Double, Clear	W	6.0	7.0	12.0	38.52	0.56	261.0
				Double, Clear	NW	3.5	7.0	30.0	25.97	0.78	610.9
				Double, Clear	N	6.5	7.0	12.0	19.20	0.72	166.4
				Double, Clear	SW	99.0	5.0	10.0	40.16	0.37	147.8
				Double, Clear	NE	0.0	0.0	30.0	29.56	1.00	886.7
				Double, Clear	NE	0.0	0.0	3.0	29.56	1.00	88.7
				Double, Clear	SE	1.5	7.0	15.0	42.75	0.92	589.1
				Double, Clear	SE	4.0	7.0	30.0	42.75	0.63	805.6
				Double, Clear	SW	0.0	0.0	60.0	40.16	1.00	2409.5
				Double, Clear	SW	0.0	0.0	18.0	40.16	1.00	722.8
				Double, Clear	NE	1.5	5.5	15.0	29.56	0.91	401.5
				Double, Clear	SE	1.5	0.0	15.0	42.75	0.38	243.3
				As-Built Total:				325.0			9158.6
WALL TYPES Area X BSPM = Points				Type		R-Value		Area X SPM		= Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		13.0		1821.0		1.50	
Exterior	1821.0	1.70	3095.7								
Base Total: 1821.0 3095.7				As-Built Total:				1821.0		2731.5	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM		= Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				10.0		4.10	
Exterior	30.0	4.10	123.0	Exterior Insulated				20.0		4.10	
				Adjacent Insulated				20.0		1.60	
Base Total: 50.0 155.0				As-Built Total:				50.0		155.0	
CEILING TYPES Area X BSPM = Points				Type		R-Value		Area X SPM X SCM		= Points	
Under Attic	2271.0	1.73	3928.8	Under Attic		30.0		2271.0 1.73 X 1.00		3928.8	
Base Total: 2271.0 3928.8				As-Built Total:				2271.0		3928.8	
FLOOR TYPES Area X BSPM = Points				Type		R-Value		Area X SPM		= Points	
Slab	244.0(p)	-37.0	-9028.0	Slab-On-Grade Edge Insulation		0.0		244.0(p)		-41.20	
Raised	0.0	0.00	0.0								
Base Total: -9028.0				As-Built Total:				244.0		-10052.8	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
2271.0 10.21 23186.9				2271.0 10.21 23186.9			
Summer Base Points: 29530.4				Summer As-Built Points: 29108.0			
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
29530.4 0.4266 12597.7				(sys 1: Central Unit 49000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 29108 1.00 (1.09 x 1.147 x 0.91) 0.341 1.000 11302.7 29108.0 1.00 1.138 0.341 1.000 11302.7			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Point			
.18	2271.0	12.74	5207.9	Double, Clear	NW	1.5	6.5	75.0	24.30	1.00	1826.7
				Double, Clear	W	6.0	7.0	12.0	20.73	1.15	286.4
				Double, Clear	NW	3.5	7.0	30.0	24.30	1.01	738.5
				Double, Clear	N	6.5	7.0	12.0	24.58	1.02	300.1
				Double, Clear	SW	99.0	5.0	10.0	16.74	2.03	339.9
				Double, Clear	NE	0.0	0.0	30.0	23.57	1.00	707.0
				Double, Clear	NE	0.0	0.0	3.0	23.57	1.00	70.7
				Double, Clear	SE	1.5	7.0	15.0	14.71	1.07	235.9
				Double, Clear	SE	4.0	7.0	30.0	14.71	1.46	644.4
				Double, Clear	SW	0.0	0.0	60.0	16.74	1.00	1004.1
				Double, Clear	SW	0.0	0.0	18.0	16.74	1.00	301.2
				Double, Clear	NE	1.5	5.5	15.0	23.57	1.01	356.3
				Double, Clear	SE	1.5	0.0	15.0	14.71	2.65	584.6
				As-Built Total:						325.0	7395.8
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1821.0	3.40	6191.4		
Exterior	1821.0	3.70	6737.7								
Base Total:		1821.0	6737.7	As-Built Total:		1821.0		6191.4			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Exterior Insulated			10.0	8.40	84.0		
Exterior	30.0	8.40	252.0	Exterior Insulated			20.0	8.40	168.0		
				Adjacent Insulated			20.0	8.00	160.0		
Base Total:		50.0	412.0	As-Built Total:		50.0		412.0			
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2271.0	2.05	4655.5	Under Attic	30.0		2271.0	2.05 X 1.00		4655.5	
Base Total:		2271.0	4655.5	As-Built Total:		2271.0		4655.5			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	244.0(p)	8.9	2171.6	Slab-On-Grade Edge Insulation	0.0		244.0(p)	18.80	4587.2		
Raised	0.0	0.00	0.0								
Base Total:			2171.6	As-Built Total:		244.0		4587.2			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
2271.0 -0.59 -1339.9				2271.0 -0.59 -1339.9					
Winter Base Points: 17844.8				Winter As-Built Points: 21902.1					
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)					
17844.8 0.6274 11195.8				(sys 1: Electric Heat Pump 49000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0 21902.1 1.000 (1.069 x 1.169 x 0.93) 0.474 1.000 12055.4 21902.1 1.00 1.162 0.474 1.000 12055.4					

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Credit X Multiplier = Total Multiplier
3		2635.00		7905.0	40.0	0.92	3		1.00	2635.00
					As-Built Total:					7905.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
12598		11196		7905	31699		11303		12055
									7905
									31263

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

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. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
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 reqts	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 612.1.ABC.3.2. 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.2

The higher the score, the more efficient the home.

Parnell, , , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 49.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2271 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 49.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 325.0 ft ²		HSPF: 7.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 325.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 244.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1821.0 ft ²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2271.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 190.0 ft		
b. N/A			

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.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**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 EnergyStarTM 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 at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

Residential System Sizing Calculation

Summary

Parnell
, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

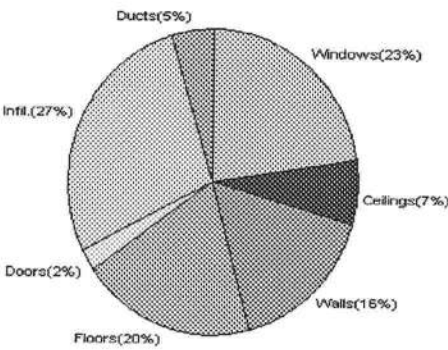
7/27/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation		Total cooling load calculation	32517 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.2 38000	Sensible (SHR = 0.5)	76.2 19000
Heat Pump + Auxiliary(0.0kW)	119.2 38000	Latent	250.6 19000
		Total (Electric Heat Pump)	116.9 38000

WINTER CALCULATIONS

Winter Heating Load (for 1700 sqft)

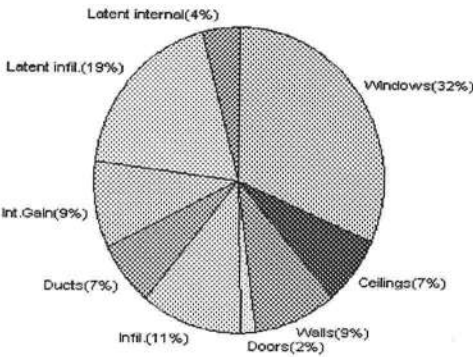
Load component	Load
Window total 256 sqft	7245 Btuh
Wall total 1773 sqft	5186 Btuh
Door total 50 sqft	738 Btuh
Ceiling total 1700 sqft	2210 Btuh
Floor total 197 ft	6225 Btuh
Infiltration 204 cfm	8769 Btuh
Subtotal	30373 Btuh
Duct loss	1519 Btuh
TOTAL HEAT LOSS	31891 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1700 sqft)

Load component	Load
Window total 256 sqft	10265 Btuh
Wall total 1773 sqft	2940 Btuh
Door total 50 sqft	507 Btuh
Ceiling total 1700 sqft	2414 Btuh
Floor total	0 Btuh
Infiltration 179 cfm	3541 Btuh
Internal gain	3000 Btuh
Subtotal(sensible)	22668 Btuh
Duct gain	2267 Btuh
Total sensible gain	24935 Btuh
Latent gain(infiltration)	6203 Btuh
Latent gain(internal)	1380 Btuh
Total latent gain	7583 Btuh
TOTAL HEAT GAIN	32517 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *Y3en Smith*

DATE: *7/27/05*

EnergyGauge® FLR2PB v3.4

System Sizing Calculations - Winter

Residential Load - Component Details

Parnell
, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

7/27/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	75.0	28.3	2122 Btuh
2	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
3	2, Clear, Metal, DEF	N	18.0	28.3	509 Btuh
4	2, Clear, Metal, DEF	NE	12.0	28.3	340 Btuh
5	2, Clear, Metal, DEF	W	10.0	28.3	283 Btuh
6	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
7	2, Clear, Metal, DEF	E	3.0	28.3	85 Btuh
8	2, Clear, Metal, DEF	S	18.0	28.3	509 Btuh
9	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
10	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
11	2, Clear, Metal, DEF	W	18.0	28.3	509 Btuh
Window Total			256		7245 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1566	3.1	4855 Btuh
2	Frame - Adjacent	13.0	207	1.6	331 Btuh
Wall Total			1773		5186 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		10	18.3	183 Btuh
2	Insulated - Exter		20	18.3	367 Btuh
3	Insulated - Adjac		20	9.4	188 Btuh
Door Total			50		738Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1700	1.3	2210 Btuh
Ceiling Total			1700		2210Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	197.0 ft(p)	31.6	6225 Btuh
Floor Total			197		6225 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	15300(sqft)	204	8769 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				204	8769 Btuh

Totals for Heating	Subtotal	30373 Btuh
	Duct Loss(using duct multiplier of 0.05)	1519 Btuh
	Total Btuh Loss	31891 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Parnell

, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

7/27/2005

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Parnell
, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

7/27/2005

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	6.5	75.0	0.0	75.0	22	22	1650	Btuh
2	2, Clear, DEF, N, N	W	6	7	6.0	1.1	4.9	22	72	379	Btuh
3	2, Clear, DEF, N, N	N	3.5	7	18.0	0.0	18.0	22	22	396	Btuh
4	2, Clear, DEF, N, N	NE	6.5	7	12.0	0.0	12.0	22	50	600	Btuh
5	2, Clear, DEF, N, N	W	99	5	10.0	10.0	0.0	22	72	220	Btuh
6	2, Clear, DEF, N, N	E	0	0	30.0	0.0	30.0	22	72	2160	Btuh
7	2, Clear, DEF, N, N	E	0	0	3.0	0.0	3.0	22	72	216	Btuh
8	2, Clear, DEF, N, N	S	1.5	7	18.0	18.0	0.0	22	37	396	Btuh
9	2, Clear, DEF, N, N	S	4	7	36.0	36.0	0.0	22	37	792	Btuh
10	2, Clear, DEF, N, N	W	0	0	30.0	0.0	30.0	22	72	2160	Btuh
11	2, Clear, DEF, N, N	W	0	0	18.0	0.0	18.0	22	72	1296	Btuh
Window Total					256					10265	Btuh
Walls	Type	R-Value		Area		HTM		Load			
1	Frame - Exterior	13.0		1566.0		1.7		2725 Btuh			
2	Frame - Adjacent	13.0		207.0		1.0		215 Btuh			
Wall Total					1773.0			2940 Btuh			
Doors	Type	R-Value		Area		HTM		Load			
1	Insulated - Exter			10.0		10.1		101 Btuh			
2	Insulated - Exter			20.0		10.1		203 Btuh			
3	Insulated - Adjac			20.0		10.1		203 Btuh			
Door Total					50.0			507 Btuh			
Ceilings	Type/Color	R-Value		Area		HTM		Load			
1	Under Attic/Dark	30.0		1700.0		1.4		2414 Btuh			
Ceiling Total					1700.0			2414 Btuh			
Floors	Type	R-Value		Size		HTM		Load			
1	Slab-On-Grade Edge Insulation	0.0		197.0 ft(p)		0.0		0 Btuh			
Floor Total					197.0			0 Btuh			
Infiltration	Type	ACH		Volume		CFM=		Load			
	Natural	0.70		15300		178.9		3541 Btuh			
	Mechanical					0		0 Btuh			
Infiltration Total						179		3541 Btuh			
Internal gain	Occupants		Btuh/occupant		Appliance		Load				
	6		X 300 +		1200		3000 Btuh				

Manual J Summer Calculations

Residential Load - Component Details (continued)

Parnell
, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

7/27/2005

Totals for Cooling	Subtotal	22668 Btuh
	Duct gain(using duct multiplier of 0.10)	2267 Btuh
	Total sensible gain	24935 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	6203 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	32517 Btuh

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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

ITS Intertek Testing Services

Test Data Review Certificate

Certificate #3026447A

This certifies that Intertek Testing Services/ETL Semko has reviewed structural load test data and documentation supplied by Masonite/Premdor Exterior Door Products on the product lines indicated below to determine the appropriate design load and impact ratings as specified by Miami-Dade County, Florida Protocol PA202 and the appropriate impact rating as specified by Miami-Dade County Protocol PA201 and PA203 or ASTM E1996 and ASTM E1886.

The data supplied was reviewed for applicability in support of the data contained in the Masonite/Premdor Product Performance Data Manual for the product line and product models indicated below. ITS/ETL Semko certifies that the test reports provided are consistent with the Masonite Certificate of Performance sheets (COP's) contained in the product performance data manual specified herein. The attached Masonite/Premdor COP/Test Report Validation Matrices (uniquely numbered by product model) provides correlation information for each product model reviewed indicating the test lab, report number(s), product size and installation information and ratings for design load and applicability of the large missile impact test. All applicable COP's and Matrices must bear the Warnock Hersey verification stamp .

Product Line: **Johnson Entry Doors**

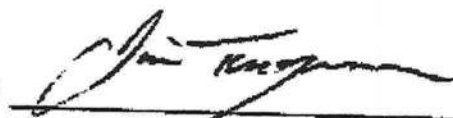
Product Models: Wood-Edge Steel Door Units	(Matrix #3026447A-001)
Metal-Edge Steel Door Units	(Matrix #3026447A-002)
Fiberglass Door Units	(Matrix #3026447A-003)
Flush Glazed Door Units	(Matrix #3026447A-004)

ITS/ETL-Semko has no direct knowledge of the tests conducted and has made no attempt to verify the accuracy or correctness of the data submitted. The review conducted was only to determine that the manufacturer's claims as represented in the COP's are correct representations of the data supplied from the laboratories. ITS/ETL Semko's review was for structural performance results only and did not include review of air infiltration or water penetration test results.

ISSUED: 6-14-02

Revision Date: March 10, 2003
Supersedes Certificate #3026447A
Issued June 14, 2002

BY:



Jim Turgeson, Project Manager

FIBERGLASS DOORS

COP# (ML-1)	Config.	Swing (1/0)	Max. Overall Size (ins.)	Leaft	Nominal Max. Leaf Size (ins.)	Glazing Type ¹	+BP (psf)	-BP (psf)	Impact Appl'd	Ref. Test Reports ²	Asy's Detail (MAD-ML-BR)	Instal Detail (MID-ML-MIA)
MA0101-02	X	1	36 x 80	1	36 x 80	O	78.0	76.0	Y	NCITL 210-1973 1-3; CTLA-1051W	0001-02	0001-02
MA0102-02	XX	1	72 x 80	1, 2	36 x 80	O	55.0	55.0	Y	CTLA-772W-2; CTLA-1051W	0002-02	0002-02
MA0103-02	XVOX	1	50 x 80	1	36 x 80	O	55.0	55.0	Y	CTLA-772W-2; CTLA-1051W	0003/0006/0041-02	0003-02
MA0104-02	OXO	1	64 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2; CTLA-1051W	0004/0007/0041-02	0004-02
MA0105-02	OXOX	1	100 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2; CTLA-1051W	0005/0008/0041-02	0005-02
MA0106-02	X	1	36 x 96	1	36 x 86	O	70.0	70.0	Y	CTLA-772W, CTLA-1051W	0001-02	0001-02
MA0107-02	XX	1	72 x 96	1, 2	36 x 86	O	55.0	55.0	Y	CTLA-772W-1; CTLA-1051W	0002-02	0002-02
MA0108-02	XVOX	1	50 x 96	1	36 x 86	O	55.0	55.0	Y	CTLA-772W-1; CTLA-1051W	0003/0006/0041-02	0003-02
MA0109-02	OXO	1	64 x 96	1	36 x 86	O	55.0	55.0	N	CTLA-772W-1; CTLA-1051W	0004/0007/0041-02	0004-02
MA0110-02	OXOX	1	100 x 96	1, 2	36 x 86	O	55.0	55.0	N	CTLA-772W-1; CTLA-1051W	0005/0008/0041-02	0005-02
MA0121-02	X	O	36 x 80	1	36 x 80	O	78.0	76.0	Y	NCITL 210-1973 1-3; CTLA-1051W	0011-02	0001-02
MA0122-02	XX	O	72 x 80	1, 2	36 x 80	O	55.0	55.0	Y	CTLA-772W-2; CTLA-1051W	0012-02	0002-02
MA0123-02	XVOX	O	50 x 80	1	36 x 80	O	55.0	55.0	Y	CTLA-772W-2; CTLA-1051W	0013/0016/0014-02	0003-02
MA0124-02	OXO	O	64 x 80	1	36 x 80	O	55.0	55.0	N	CTLA-772W-2; CTLA-1051W	0014/0017/0041-02	0004-02
MA0125-02	OXOX	O	100 x 80	1, 2	36 x 80	O	55.0	55.0	N	CTLA-772W-2; CTLA-1051W	0015/0018/0041-02	0005-02
MA0126-02	X	O	36 x 96	1	36 x 86	O	70.0	70.0	Y	CTLA-772W; CTLA-1051W	0011-02	0001-02
MA0127-02	XX	O	72 x 96	1, 2	36 x 86	O	55.0	55.0	Y	CTLA-772W-1; CTLA-1051W	0012-02	0002-02
MA0128-02	XVOX	O	50 x 96	1	36 x 86	O	55.0	55.0	Y	CTLA-772W-1; CTLA-1051W	0013/0016/0041-02	0003-02
MA0129-02	OXO	O	64 x 96	1	36 x 86	O	55.0	55.0	N	CTLA-772W-1; CTLA-1051W	0014/0017/0041-02	0004-02
MA0130-02	OXOX	O	100 x 96	1, 2	36 x 86	O	55.0	55.0	N	CTLA-772W-1; CTLA-1051W	0015/0018/0041-02	0005-02

¹ O-opaque; G-glassed

² Tested in accordance with Metro-Data Protocol PX202, ASTM E1086 or ASTM E1998



COP/MAD/MID sheets referenced in this matrix provides additional information - available from the Masonite website (www.masonite.com) or the Masonite technical center.



ITS Intertek Testing Services



COP/Test Report Validation Matrix
#3026447A-004

FLUSH GLAZED DOORS

COP# (W/L-)	Config.	Siding (T/O)	Max. Overall Size (Max.)	Leaf	Nominal Max. Leaf Size (Max.)	Glazing Type*	dDP (psi)	dP (psi)	Impact Approval	Ref. Test Reports*	Ass'y Detail (W/L-WL-MA)	Install Detail (W/L-WL-MA)
MA0241-02	X	1	36 X 80	1	36 X 80	IG	50.5	55.0	N	CTLA94SW	0001-02; 0042-02	0001-02
MA0242-02	XX	1	72 X 80	1, 2	36 X 80	IG	50.5	55.0	N	CTLA94SW	0002-02; 0042-02	0002-02
MA0243-02	XOXX	1	72 X 80	1	36 X 80	IG	50.5	55.0	N	CTLA94SW	0003-02; 0042-02	0003-02
MA0244-02	OXO	1	108 X 80	1	36 X 80	IG	50.5	55.0	N	CTLA94SW	0004-02; 00070042-02	0004-02
MA0245-02	OXO	1	144 X 80	1, 2	36 X 80	IG	50.5	55.0	N	CTLA94SW	0005-02; 00070042-02	0005-02
MA0246-02	X	1	36 X 96	1	36 X 96	IG	50.5	55.0	N	CTLA94SW-1	0001-02; 0042-02	0001-02
MA0247-02	XX	1	72 X 96	1, 2	36 X 96	IG	43.0	45.0	N	CTLA94SW-1	0002-02; 0042-02	0002-02
MA0248-02	XOXX	1	72 X 96	1	36 X 96	IG	43.0	45.0	N	CTLA94SW-1	0003-02; 00060042-02	0003-02
MA0249-02	OXO	1	108 X 96	1	36 X 96	IG	43.0	45.0	N	CTLA94SW-1	0004-02; 00070042-02	0004-02
MA0250-02	OXO	1	144 X 96	1, 2	36 X 96	IG	43.0	45.0	N	CTLA94SW-1	0005-02; 00060042-02	0005-02
MA0261-02	X	0	36 X 80	1	36 X 80	IG	55.0	55.0	N	CTLA94SW	0011-02; 0042-02	0011-02
MA0262-02	XX	0	72 X 80	1, 2	36 X 80	IG	55.0	55.0	N	CTLA94SW	0012-02; 0042-02	0012-02
MA0263-02	XOXX	0	72 X 80	1	36 X 80	IG	55.0	55.0	N	CTLA94SW	0013-02; 00160042-02	0013-02
MA0264-02	OXO	0	108 X 80	1	36 X 80	IG	55.0	55.0	N	CTLA94SW	0014-02; 00170042-02	0014-02
MA0265-02	OXO	0	144 X 80	1, 2	36 X 80	IG	55.0	55.0	N	CTLA94SW	0015-02; 00160042-02	0015-02
MA0266-02	X	0	36 X 96	1	36 X 96	IG	55.0	55.0	N	CTLA94SW-1	0001-02; 0042-02	0001-02
MA0267-02	XX	0	72 X 96	1, 2	36 X 96	IG	47.0	40.0	N	CTLA94SW-1	0002-02; 0042-02	0002-02
MA0268-02	XOXX	0	72 X 96	1	36 X 96	IG	47.0	40.0	N	CTLA94SW-1	0003-02; 00060042-02	0003-02
MA0269-02	OXO	0	108 X 96	1	36 X 96	IG	47.0	40.0	N	CTLA94SW-1	0004-02; 00070042-02	0004-02
MA0270-02	OXO	0	144 X 96	1, 2	36 X 96	IG	47.0	40.0	N	CTLA94SW-1	0005-02; 00060042-02	0005-02

* Opaque: IG-insulating glass with minimum 1/8" tempered glazing
* Tested in accordance with Mema-Dade Protocols PA201, PA202 or PA203



COP/MAD/MID sheets referenced in this matrix provides additional information - available from the Masonite website (www.masonite.com) or the Masonite Technical Center.



ITS Intertek Testing Services

Intertek**ETL SEMKO**

Certificate Of Validation

This confirms that Intertek has reviewed structural load test data and documentation for the product line listed below and performed the validation checklist in accordance with Florida Administrative Rule 9B-72. The appropriate COP/Test Report Validation Matrix provides correlation information for each product model reviewed such as the test lab report numbers, performance values, and installation information.

Florida Statewide Approval: #FL18
Manufacturer: Masonite International
Product Line: Wood-edge Steel Door Units

Intertek Validation Matrix: #3026447A-001
#3026447B-001
#3026447C-001

Signed: *Henry H. H. H.*
Title: Program Manager

Intertek is an approved 3rd Party Validation Entity by the State of Florida (WAL 1616)

WOOD-EDGE STEEL DOORS

COP# (MIL-)	Frame Type	Config.	Swing (in)	Max. Overall Size (in.)	Leaf	Minimal Max. Leaf Size (in.)	Glazing Type*	+DP (psi)	-DP (psi)	Approved App'd	Ref. Test Report†	Ref. Eval. Report	Ass'y Detail (MAD-MIL-MA)	Install Detail (MID-MIL-MA)
MAA101-03	wood	X	1	36 x 80	1	36 x 80	O	76.0	76.0	Y	NCIL-210-2829-1	-	0001-02	0001-02
MAA102-03	wood	XX	1	72 x 80	1,2	36 x 80	O	55.0	55.0	Y	NCIL-210-2830-1	-	0002-02	0002-02
MAA103-03	wood	XX/XX	1	50 x 80	1	36 x 80	O	55.0	55.0	Y	NCIL-210-2830-1	-	0003-02	0003-02
MAA104-03	wood	OXD	1	108 x 80	SL	36 x 80	G	55.0	55.0	N	NCIL-210-2830-1	-	0004-02	0004-02
MAA105-03	wood	OXD	1	144 x 80	SL	36 x 80	G	55.0	55.0	N	NCIL-210-2830-1	-	0005-02	0005-02
MAA106-03	wood	X	1	36 x 96	1	36 x 96	O	70.0	70.0	Y	CTLA-919W	003-005-0002	0001-02	0001-02
MAA107-03	wood	XX	1	72 x 96	1,2	36 x 96	O	49.7	49.7	Y	CTLA-919W	003-005-0002	0002-02	0002-02
MAA108-03	wood	XX/XX	1	72 x 96	1	36 x 96	O	49.7	49.7	Y	CTLA-919W	003-005-0002	0003-02	0003-02
MAA109-03	wood	OXD	1	108 x 96	SL	36 x 96	G	49.7	49.7	N	CTLA-919W	003-005-0002	0004-02	0004-02
MAA110-03	wood	OXD	1	144 x 96	SL	36 x 96	G	49.7	49.7	N	CTLA-919W	003-005-0002	0005-02	0005-02
JHA111-02	HMA	X	1	36 x 80	SL	36 x 80	D	56.0	56.0	Y	NCIL-210-1915-7, 8, 9, 10, 11, 12; NCIL-210-2829-1	NCIL-210-2784-1	0006-02	0006-02
JHA112-02	2-PC	X	1	36 x 80	1	36 x 80	O	56.0	56.0	Y	NCIL-210-1915-7, 8, 9, 10, 11, 12; NCIL-210-2829-1	NCIL-210-2784-1	0007-02	0007-02
MAA121-03	wood	X	0	36 x 80	1	36 x 80	D	76.0	76.0	Y	NCIL-210-1915-7, 8, 9, 10, 11, 12; NCIL-210-2829-1	NCIL-210-2784-1	0008-02	0008-02
MAA122-03	wood	XX	0	72 x 80	1,2	36 x 80	O	55.0	55.0	Y	NCIL-210-2829-1	-	0009-02	0009-02
MAA123-03	wood	XX/XX	0	50 x 80	1	36 x 80	O	55.0	55.0	Y	NCIL-210-2830-1	-	0010-02	0010-02
MAA124-03	wood	OXD	0	108 x 80	SL	36 x 80	G	55.0	55.0	N	NCIL-210-2830-1	-	0011-02	0011-02
MAA125-03	wood	OXD	0	144 x 80	SL	36 x 80	G	55.0	55.0	N	NCIL-210-2830-1	-	0012-02	0012-02
													0013-02	0013-02
													0014-02	0014-02
													0015-02	0015-02

* Denyque; G-glazed
† tested in accordance with Metro-Edge Protocols PA201, PA202 and PA203

VERIFIED BY:
Masonite
June 16, 2003
COP/MAD/MID sheets
referenced in this matrix
provide additional
information - available
from the Masonite
website
(www.masonite.com)
or the Masonite
Technical Center.



ITS Intertek Testing Services



COP/Test Report Validation Matrix
#3026447A-002

METAL-EDGE STEEL DOORS

COP# (W.L.)	Frame Type	Cauling	Sealing (200)	Max. Overall Size (In.)	Leafs	Nominal Max. Leaf Size (In.)	Glazing Type ¹	+DP (psi)	-DP (psi)	Impact Appl'd	Ref. Test Reports ²	Ref. Seal. Report (NRTL-278-1)	Asy. Seals (NID-WL-MA)	Initial Detail (NID-WL-MA)
JH3129-02	wood	OXOX	0	72 x 96	1	36 x 96	0	48.3	48.3	Y	1990 1-6; 1864 1-4; 2104 1-3	2784-1	0013-02; 00160041-02	0008-02
JH3120-02	wood	DXO	0	108 x 96	1	36 x 96	G	48.3	48.3	N				
JH3130-02	wood	OXOX	0	144 x 96	1, 2	36 x 96	G	48.3	48.3	Y	1990 1-6; 1864 1-4; 2104 1-3	2784-1	0014-02; 00170041-02	0004-02
JH3131-02	MM	X	0	36 x 80	1	36 x 80	G	48.3	48.3	N				
JH3135-02	2-PC	X	0	36 x 80	1	36 x 80	0	68.0	68.0	Y	NCTL-210-1915-4, 5, 6	2784-1	0020-02	0007-02
JH3141-02	wood	X	1	36 x 80	1	36 x 80	G	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2784-1	0019-02	0006-02
JH3142-02	wood	XX	1	72 x 80	1, 2	36 x 80	G	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2784-1	0001/0041-02	0001-02
JH3143-02	wood	OXOX	1	72 x 80	1	36 x 80	G	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2784-1	0002/0041-02	0002-02
JH3144-02	wood	OXO	1	108 x 80	1	36 x 80	G	50.5	50.5	N			0003-02; 00060041-02	0003-02
JH3145-02	wood	OXOX	1	144 x 80	1, 2	36 x 80	G	50.5	50.5	N	1897 1-6; 1861 1-3; 7-9; 2183 1-3	2784-1	0004-02; 0007/0041-02	0004-02
JH3146-02	wood	X	1	36 x 96	1	36 x 96	G	50.5	50.5	N			0005-02; 0008/0041-02	0005-02
JH3147-02	wood	XX	1	72 x 96	1, 2	36 x 96	G	43.0	43.0	N	1897 1-12; 1861 1-3; 7-9; 2163 1-3	2784-1	0001/0041-02	0001-02
JH3161-02	wood	X	0	36 x 80	1	36 x 80	G	43.0	43.0	N	1897 1-12; 1861 1-3; 7-9; 2163 1-3	2784-1	0002/0041-02	0002-02
JH3162-02	wood	XX	0	72 x 80	1, 2	36 x 80	G	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2784-1	0001/0041-02	0001-02
JH3163-02	wood	OXOX	0	72 x 80	1	36 x 80	G	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2784-1	0012/0041-02	0002-02
JH3164-02	wood	DXO	0	108 x 80	1	36 x 80	G	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2784-1	0013-02; 0016/0041-02	0003-02
JH3165-02	wood	OXOX	0	144 x 80	1, 2	36 x 80	G	50.5	50.5	N	1897 1-6; 1864 1-4; 2184 1-3	2784-1	0014-02; 0017/0041-02	0004-02
JH3166-02	wood	X	0	36 x 80	1	36 x 80	G	50.5	50.5	N				
JH3167-02	wood	XX	0	72 x 96	1, 2	36 x 96	G	43.0	43.0	N	1897 1-12; 1864 1-4; 7-9; 2184 1-3	2784-1	0015-02; 0018/0041-02	0005-02
JH3168-02	wood	XX	0	72 x 96	1, 2	36 x 96	G	43.0	43.0	N	1897 1-12; 1864 1-4; 7-9; 2184 1-3	2784-1	0011-02	0001-02
JH3169-02	wood	XX	0	72 x 96	1, 2	36 x 96	G	43.0	43.0	N	1897 1-12; 1864 1-4; 7-9; 2184 1-3	2784-1	0012/0041-02	0002-02

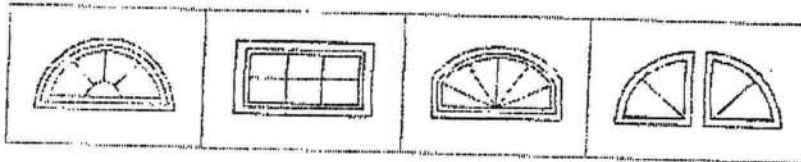
¹ Opaque, G-glazed

² Tested in accordance with Metro-Data Protocols PA201, PA202 and PA203

VERIFIED BY:
Warren H. H.
March 14, 2003
COP/MAD/MIP sheets referenced in this matrix provide additional information - available from the Masonite website (www.masonite.com) or the Masonite technical center.



ITS Intertek Testing Services



SERIES 2900 PERFORMANCE INFORMATION



STRUCTURAL TEST INFORMATION

The Series 2900 New Construction Single Hung Window is tested and certified to the AAMA/NWDA 101/1.5.2 specification for structural performance.

TEST METHOD	WINDOW SIZE	AIR INFILTRATION @ 25 MPH	WATER RESISTANCE	STRUCTURAL TEST PRESSURE	DP RATING
AAMA/NWDA 101/1.5.2	38" X 60"	0.09 CFM	7.50 PSF	75.0 PSF	DP-50
	36" X 62"	0.09 CFM	7.50 PSF	75.0 PSF	DP-50
	44" X 62"	0.09 CFM	7.50 PSF	67.5 PSF	DP-45
	48" X 72"	0.10 CFM	7.50 PSF	45.0 PSF	DP-30



THERMAL TEST INFORMATION

The Series 2900 New Construction Single Hung Window is tested and certified to the NFRC 100-97 specification for the thermal performance of the entire window unit.

TEST METHOD	GLAZING TYPE	U VALUE	SHGC	VISIBLE LIGHT TRANSMITTANCE	ENERGY STAR COMPLIANCE
NFRC 100-97	Clear I.G.	0.50	0.60	0.62	-
	LoE ⁺ I.G.	0.35	0.33	0.55	-
	LoE ⁺ /Argon I.G.	0.31	0.33	0.55	-
	Clear I.G. with Flat Grille	0.50	0.64	0.55	-
	LoE ⁺ I.G. with Flat Grille	0.35	0.30	0.49	-
	LoE ⁺ /Argon I.G. with Flat Grille	0.31	0.30	0.49	-

ENERGY STAR® COMPLIANCE

The ENERGY STAR® program was developed by the U.S. Department of Energy and the Environmental Protection Agency to help consumers identify products that save energy. Requirements for windows are tailored to meet the energy needs of the country's three different regions - Northern, Central and Southern. ENERGY STAR® windows must be rated, certified and labeled by the National Fenestration Rating Council (NFRC) for U-value and solar heat gain coefficient.



CLIMATE REGION	U VALUE	SOLAR HEAT GAIN COEFFICIENT
N Northern	< = 0.35	No Requirement
C Central	< = 0.40	< = 0.40
S Southern	< = 0.75	< = 0.40



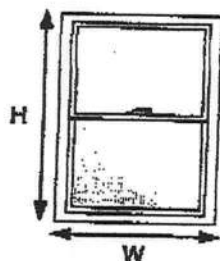
For more information on Silver Line Windows visit us at www.silverlinewindows.com

STANDARD SIZES

Made in standard nominal sizes as shown below:

Window Width: 16 to 40

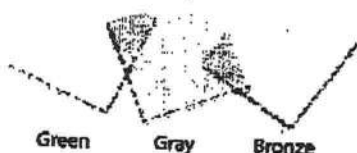
Window Height: 30 to 70



OPTIONS

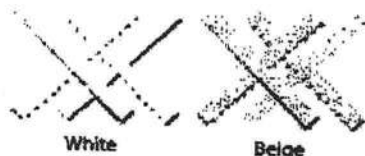
GLASS OPTIONS

- LoE2 glass
- Tempered glass
- Obscure glass
- Argon gas
- Tinted glass available in bronze, gray or green



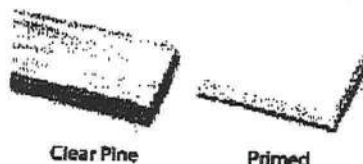
GRILLE OPTIONS

- Colonial or prairie patterns sealed inside of the glass for easy cleaning



EXTENSION JAMB OPTIONS

- Available in 4 9/16" and 6 9/16" jambs, either clear pine or primed



ORIEL WINDOW

- 60% top sash, 40% bottom sash
- Available in 50, 52, 56, 60, 62 & 70 heights only

COTTAGE WINDOW

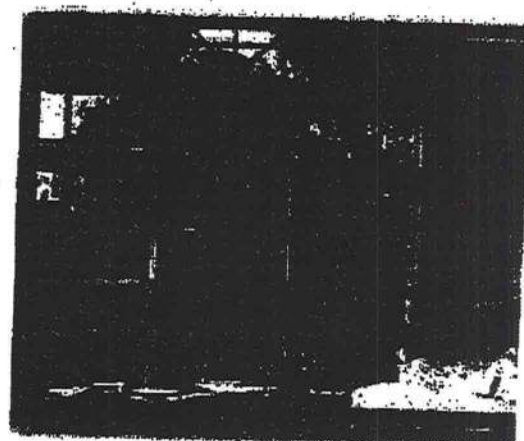
- 40% top sash, 60% bottom sash
- Available in 50, 52 & 56 heights only



COLORS

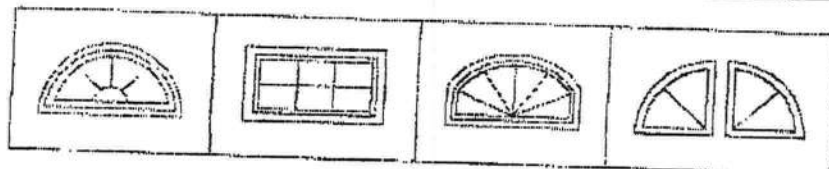


Color reproduced as closely as printing will allow.

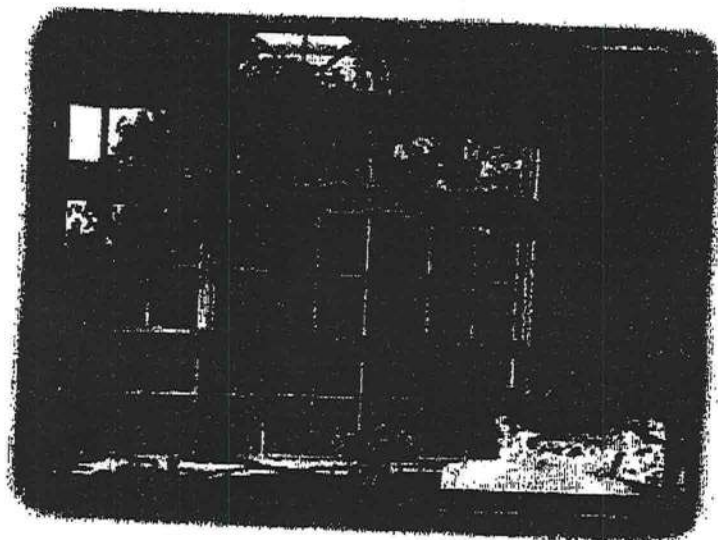


Silver Line Windows
AT WORK IN MILLIONS OF HOMES.
www.silverlinewindows.com





NEW CONSTRUCTION SINGLE HUNG WINDOW



Tilt-in bottom sash
for easy cleaning from
inside the home

SERIES 2900

The Series 2900 New Construction Single Hung Window combines traditional styling with innovative design features to create the perfect blend of beauty and performance. This exceptional window offers a wide variety of features to accommodate virtually all of the builder's needs. The demands of homeowners are also addressed with numerous energy saving and convenience features that assure a lifetime of low maintenance performance.

FEATURES & BENEFITS

FRAME/SASH

- Tested and certified to nationally recognized AAMA standards for strength and durability
- Welded vinyl construction creates a strong, weather tight window
- Dual weatherstripping creates an energy efficient, virtually weather tight seal
- Tilt-in bottom sash for easy cleaning from inside the home
- Integral colonial "J" channel type siding return provides for easy trimming of exterior siding to the window
- Low maintenance - never needs painting

GLASS

- Standard 5/8" insulated glass for comfort and energy savings
- Optional LoE2 glass provides superior year-round comfort while reducing heating and cooling costs
- Warm Edge Intercept® Spacer reduces condensation and improves performance
- Optional grilles are available in several styles and are sealed inside the glass for easy cleaning

HARDWARE

- Cam action lock(s) and keeper(s) draw meeting rails together for a tighter seal
- Double locks on all windows 24" wide or wider, for increased security
- Steel reinforced lock rail resists forced entry
- Block and tackle balance system for smooth, easy operation
- Aluminum half screen, for bottom ventilation, is available

LIMITED LIFETIME WARRANTY



The Florida Department of Community Affairs Building Code Information System

SITE NAVIGATION

PRODUCT APPROVAL

[Product Type Detail](#)[Overview](#)[Product Search](#)[Organization
Search](#)[Product
Application](#)

User: Public User - Not Associated with Organization -

[Need Help ?](#)

Application #:

FL183-R1

Date Submitted:

07/15/2005

Code Version:

2004

Product Manufacturer:

GAF Materials Corporation

Address/Phone/email:

1361 Alps Road
Wayne, NJ 07470
(973) 628-4119

Technical Representative:

Michael Rew

Technical Representative Address/Phone/email:

1361 Alps Road
Wayne, NJ 07470
(973) 628-4119
mrew@gaf.com

Category:

Roofing

Subcategory:

Asphalt Shingles

Evaluation Method:

Certification Mark or Listing

Referenced Standards from the Florida Building Code:

Section	Standard	Year
	TAS 110	2000
	TAS 100	1995
	TAS 107	1995
	ASTM D3462	2001

Certification Agency:

Miami-Dade BCCO - CER

Quality Assurance Entity:

Validation Entity:

Authorized Signature:

Roger Anderson
randerson@gaf.com

Evaluation/Test Reports Uploaded:

Installation Documents Uploaded:

PTID_183_R1_I_M-D_NOA
country_mansion_estates.pdf
PTID_183_R1_I_M-D_NOA
grand_canyon_shingle.pdf
PTID_183_R1_I_M-D_NOA
grand_sequoia_shingle.pdf
PTID_183_R1_I_M-D_NOA
grand_slate_shingle.pdf
PTID_183_R1_I_M-D_NOA
jumbo_royal_sovereign
shingle.pdf
PTID_183_R1_I_M-D_NOA
marquis_weathermax_shingle.pdf
PTID_183_R1_I_M-D_NOA
royal_sovereign_shingle.pdf
PTID_183_R1_I_M-D_NOA
slateline_shingle.pdf
PTID_183_R1_I_M-D_NOA
timberline_30.pdf
PTID_183_R1_I_M-D_NOA
timberline_select_40.pdf
PTID_183_R1_I_M-D_NOA
timberline_ultra.pdf

Product Approval Method:

Method 1 Option A

Application Status:

Pending FBC Approval

Date Validated:

07/27/2005

Date Approved:

Date Certified to the 2004 Code:

Page: 

Page 1 / 1

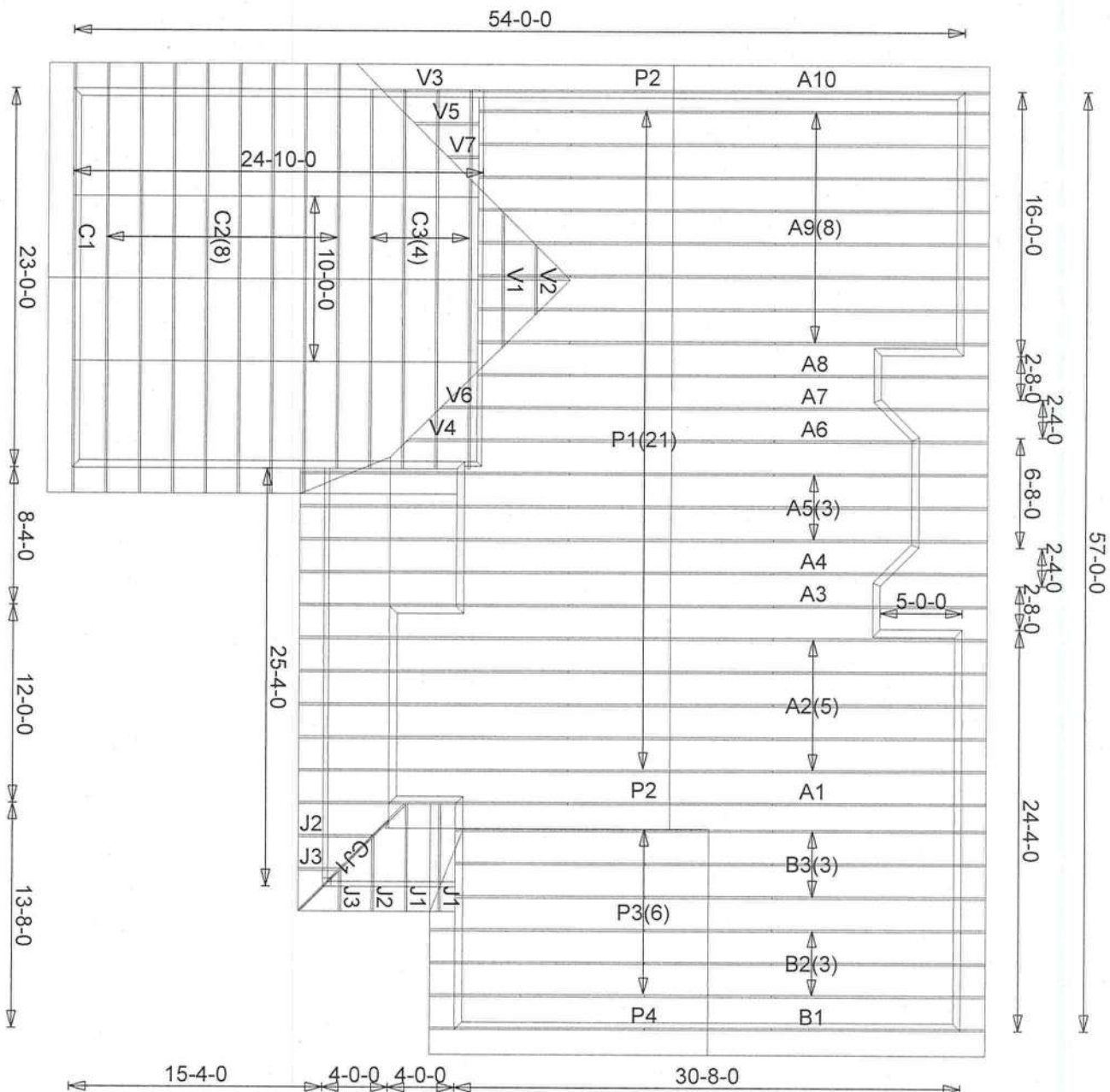
App/Seq #	Product Model # or Name	Model Description	Limits of Use
183.1	Country Estates	Architectural Laminate	See Limitations in Miami-Dade NOA.
183.2	Country Mansion	Architectural Laminate	See Limitations in Miami-Dade NOA.
183.3	Grand Canyon	Architectural Laminate	See Limitations in Miami-Dade NOA.
183.4	Grand Sequoia	Architectural Laminate	See Limitations in Miami-Dade NOA.
183.5	Grand Slate	Architectural Shingle	See Limitations in Miami-Dade NOA.
183.6	Jumbo Royal Sovereign	Large 3-tab shingle	See Limitations in Miami-Dade NOA.
183.7	Marquis WeatherMax	3-tab Shingle	See Limitations in Miami-Dade NOA.
183.8	Royal Sovereign	3-tab asphalt shingle	See Limitations in Miami-Dade NOA.
			See Limitations in Miami-

183.9	Slateline	Multi-tab Shngle	Dade NOA.
183.10	Timberline 30	Laminated shingle	See Limitations in Miami-Dade NOA.
183.11	Timberline Select 40	Laminated Shingle	See Limitations in Miami-Dade NOA.
183.12	Timberline Ultra	Premium Laminated Shingle	See Limitations in Miami-Dade NOA.

Next

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my



Mayo Truss Co. Inc.

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

PARNELL

PARNELL

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: INDIVIDUAL
Job: PARNELL-PARNELL
Designer: A. HIGHSWORTH
Checker: M. MURRAY
Date: 10-19-05



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

[Handwritten signature]

Date Mark	
28	10/17/05 V4
24	10/17/05 P4
20	10/17/05 J3
16	10/17/05 C3
12	10/17/05 B2
8	10/17/05 A8
4	10/17/05 A4

Date Mark	
31	10/17/05 V7
27	10/17/05 V3
23	10/17/05 P3
19	10/17/05 J2
15	10/17/05 C2
11	10/17/05 B1
7	10/17/05 A7
3	10/17/05 A3

Date Mark	
30	10/17/05 V6
26	10/17/05 V2
22	10/17/05 P2
18	10/17/05 J1
14	10/17/05 C1
10	10/17/05 A10
6	10/17/05 A6
2	10/17/05 A2

Date Mark	
29	10/17/05 V5
25	10/17/05 V1
21	10/17/05 P1
17	10/17/05 C1
13	10/17/05 B3
9	10/17/05 A9
5	10/17/05 A5
1	10/17/05 A1

A Professional Engineer's seal affixed to this Index Sheet indicates the acceptance of Professional Engineering responsibility 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.

Job Number T05101425 Date 10/17/2005 FBC - 2004 Chapter 16 and 23 Specification Quantity 31

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

Engineering Index Sheet

Index Page 1 of 1

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

ROBBINS
ENGINEERING, INC.

Job Reference: PARNELL-PARNELL - PARNELL

Truss Fabricator: Mayo Truss Company, Inc

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

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

Permit Number: _____
Lot Number: _____
Address: _____

REVIEWED BY: Robbins Engineering, Inc.
PO Box 280055

Member	CSI	P Lbs	AXL	CSI-Bnd
A-B	0.11	256 C	0.00	0.11
B-L	0.42	191 T	0.04	0.38
L-C	0.38	523 C	0.00	0.38
C-M	0.37	530 C	0.00	0.37
M-D	0.37	530 C	0.00	0.37
D-S1	0.40	497 C	0.00	0.40
S1-O	0.46	268 T	0.06	0.40
-----Bottom Chords-----				
A-K	0.11	251 T	0.04	0.07
K-J	0.21	272 T	0.02	0.19

plus 6 Wind Load Case(s)	plus 1 UBC LT Load Case(s)	JT React Uplift	Lbs In-Sx	Lbs In-Sx	Size	Reg'd
		A	329	97	Hz = 1-0	-246
		J	1428	311	5-8	1-9
		P	1529	314	5-8	1-11
					HZ =	255

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

Brace truss as follows:

	O.C.	From	To
TC Conf.	0-0	0-0	0 38- 8- 0
BC Conf.	0-0	0-0	0 38- 8- 0
WB 1 rows CLB on I -C			
WB 1 rows CLB on H -M			
WB 1 rows CLB on G -D			
Attach CLB with (2) -10d nails			
at each web.			

CSI	Size	SP	MB
TC	0.46	2x 4	SP-#2
BC	0.25	2x 4	SP-#2
WB	0.56	2x 4	SP-#2

Online Plus -- Version 18.0.014
RUN DATE: 14-OCT-05

[illegible]

	W	E	S
J-I	0.21	0.21	158 T
I-H	0.25	0.25	394 T
H-G	0.23	0.23	370 T
G-F	0.22	0.22	231 T
F-E	0.22	0.22	10 C

Robbins Engineering, Inc./Online PlusSM APPROX. 17

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

```

User-defined wind-exposed BC
regions      --From--
Max comp. force 1280 lbs
Quality Control Factor 1.25

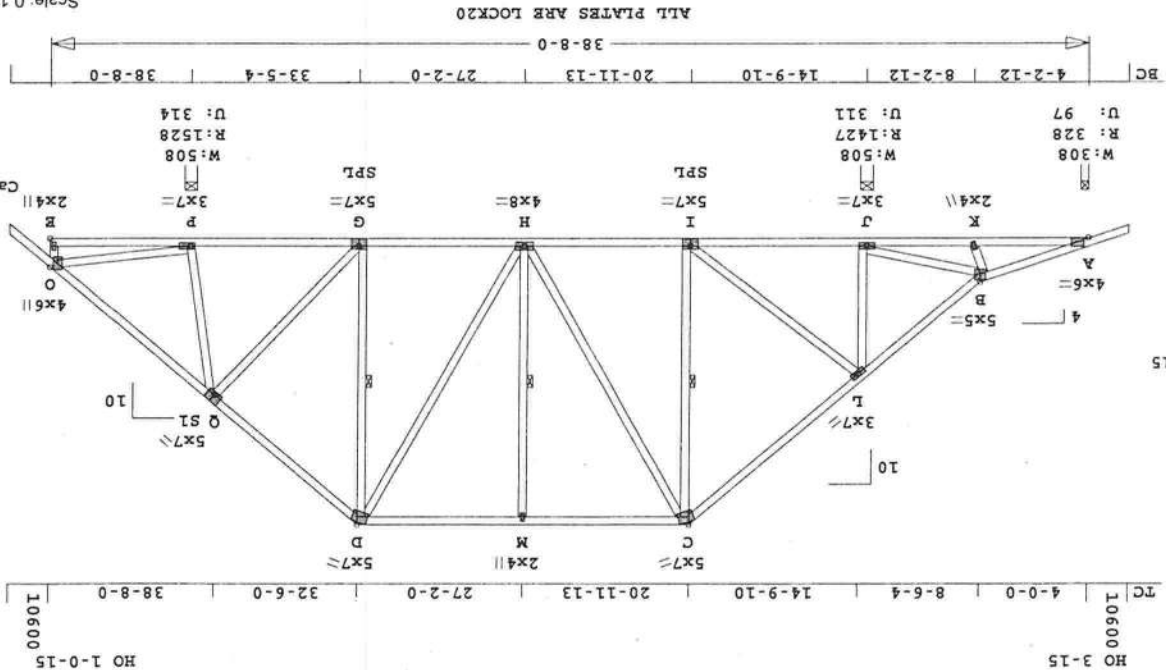
```

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
ANSI/TPI 95 & 02
OH Loading

Tampa, FL 33682
REFER TO ROBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

Scale: 0.144" = 1'



U# J#PARNELL-PARNELL PARNELL

PARNELL-PARNELL

A3

I

SP

008080

4

0 -

0 -

01425

Member	CSI	p lbs	kyl	CSI-Bnd
A-B	0.11	255 C	-0.00	0.11
B-L	0.42	192 T	0.04	0.38
L-C	0.38	625 C	0.00	0.38
C-M	0.38	683 C	0.00	0.38
M-D	0.38	770 C	0.00	0.38
D-R	0.15	770 C	0.00	0.15
R-S1	0.15	710 C	0.00	0.15
S1-O	0.17	106 T	0.02	0.15
A-K	0.11	249 T	0.04	0.07
K-J	0.21	271 T	0.02	0.19
J-I	0.21	158 T	0.00	0.21
I-H	0.25	473 T	0.04	0.21

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

	Plate -	RHS	20 ga,	Gross Area
UT Type	Plate Size	X	Y	JSI
A Lock	5.0x	6.0	Ctr	0.1
B Lock	5.0x	5.0	Ctr	-1.5
L Lock	3.0x	7.0	Ctr	-3.5
C Lock	5.0x	7.0	Ctr	-3.5
M Lock	2.0x	4.0	Ctr	-3.5
D Lock	7.0x	-1.3	-3.5	0.77
R Lock	3.0x	7.0	Ctr	0.48
SJ Lock	5.0x	-7.0	-0.5	-0.67
O Lock	4.0x	6.0	Ctr	-0.1
K Lock	2.0x	4.0	Ctr	-0.80
I Lock	3.0x	7.0	Ctr	0.47
H Lock	4.0x	8.0	Ctr	0.8
F Lock	3.0x	7.0	Ctr	0.88
E Lock	2.0x	4.0	Ctr	0.88
S Lock	2.0x	4.0	Ctr	0.53

[illegible]

	H-G	G-Q	P-Q	P-E	Mebs
Inc./Online Plus SM APPROX.	0.25	0.20	0.10	0.10	
	591 T	545 T	228 T	10 C	
	0.06	0.05	0.00	0.00	
	0.19	0.15	0.10	0.10	

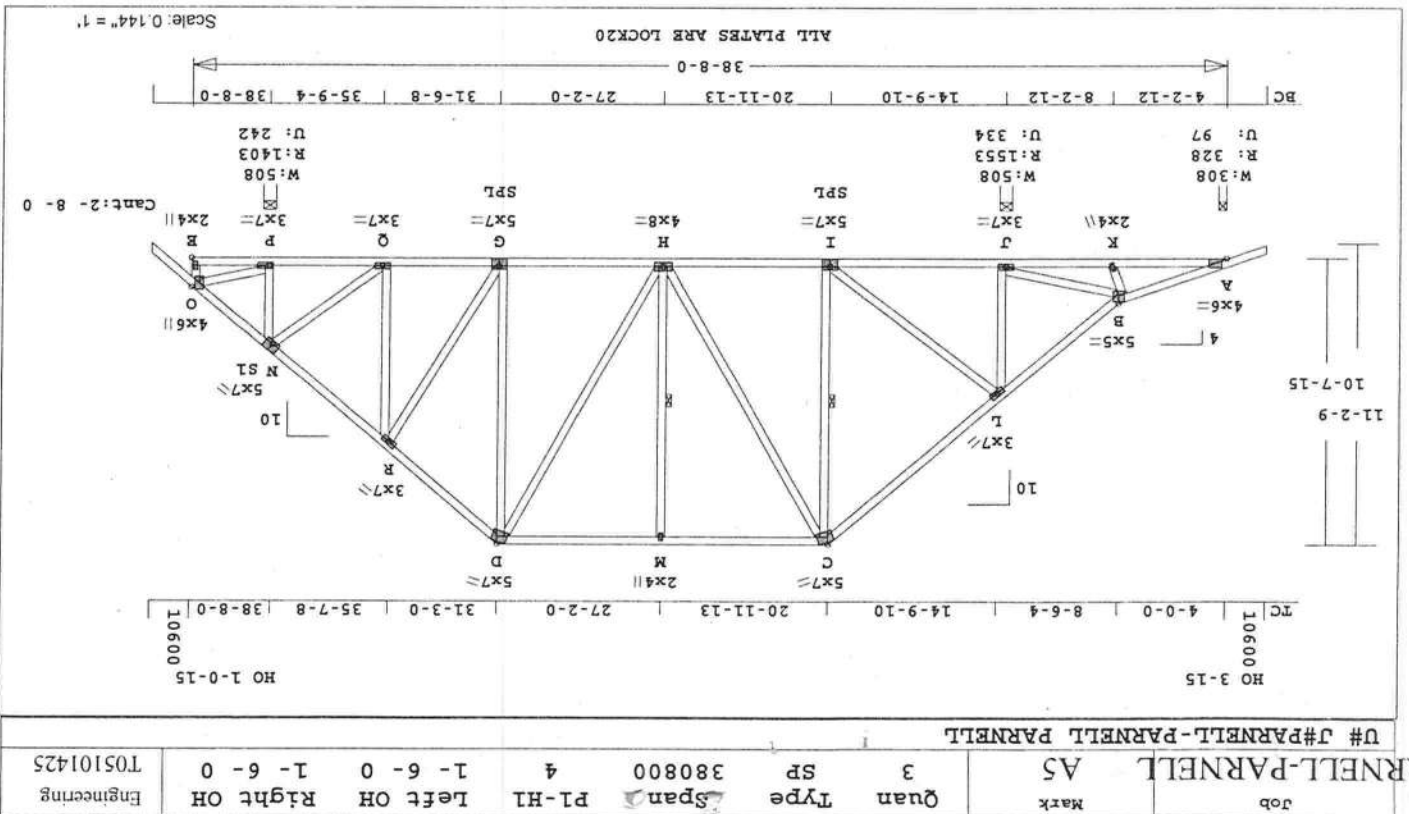
Tampa, FL 33682
 GHT: 350.3 LBS
 REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysts Conforms To:
 ANSI/TPI 95 & 02
 ON Loading
 Soffit pst 2.0
 Design checked for 10 pst non-
 concentric LL on BC.
 Wind 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 pst
 BC Dead Load: 5.0 pst
 User-defined wind-exposed BC
 regions
 --From--
 0-0-0 8-2-12
 Max comp. force 1331 Lbs
 Quality Control Factor 1.25

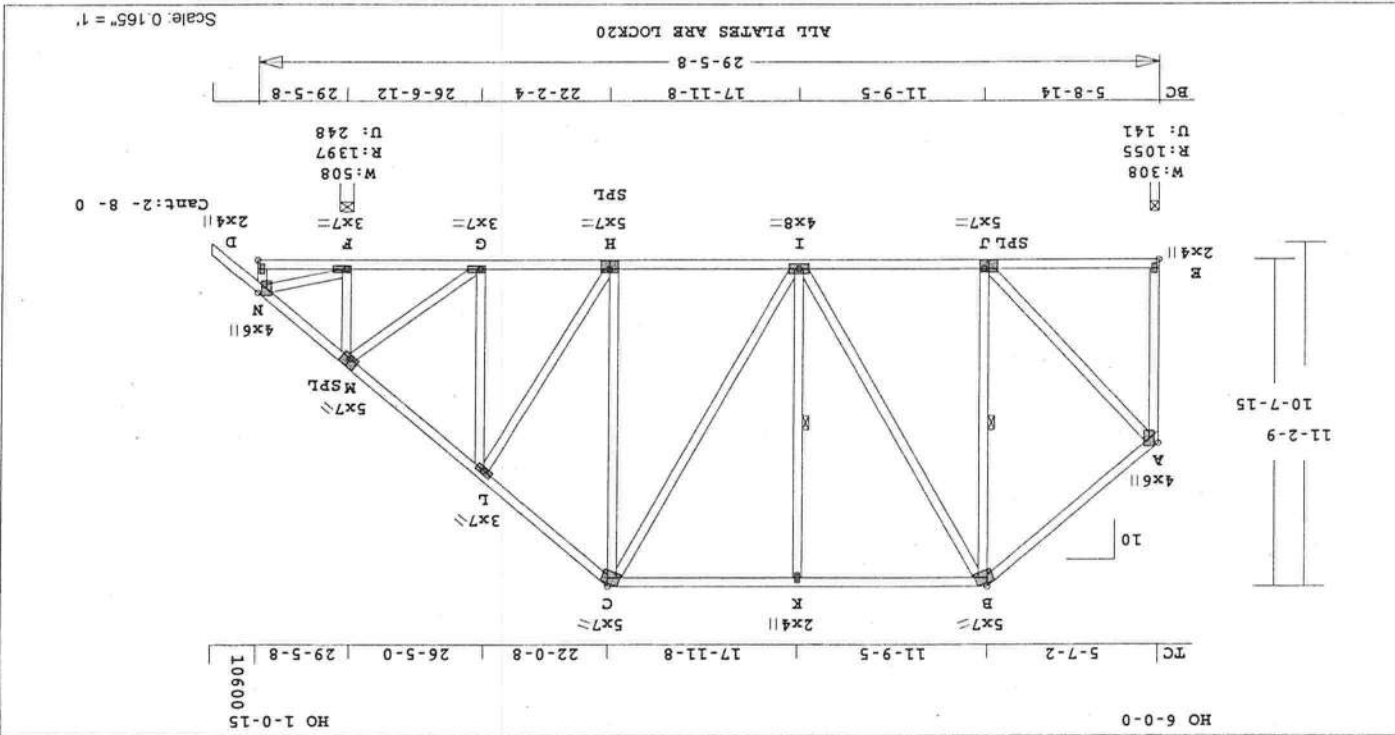
```

TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0-0-0 8-2-12
Max comp. force 1331 lbs
Quality Control Factor 1.25

```

Tampa, FL 33682
 WGT: 350.3 LBS
 REFER TO ROBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis conforms To:
 ANSI/TPI 95 & 02
 OH Loading
 Soffit pst 2.0
 Design checked for 10 pst 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





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 299.8 LBS
 REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOL SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by: Mayo Truss Co. Inc.
 Analysis conforms To: ANSI/TPI 95 & 02
 OH Loading
 Soffit pft 2.0
 Provide connection to bearing for 321 lbs Horiz Reaction
 Design checked for 10 pft non-concurrent LB 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 pft
 BC Dead Load: 5.0 pft
 Max comp. force 1190 Lbs
 Quality Control Factor 1.25

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05

CSI -Size- Lumber

Brace truss as follows:
 TC 0.38 2x 4 SP-#2
 BC 0.25 2x 4 SP-#2
 WB 0.43 2x 4 SP-#2

at each web.
 Attach CLB with (2)-10d nails
 WB 1 rows CLB on J -B
 BC Cont. 0-0-0 29-5-8
 TC Cont. 0-0-0 29-5-8
 O.C. From To

Loading Live Dead (psf)
 TC 20.0 10.0
 BC 20.0 10.0
 Total 20.0 20.0
 Spacing 24.0"

Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Pft=1.15 FC=1.10
 BC Pft=1.10 FC=1.10

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

React Uplift Size Req'd
 Lbs In-Sx
 E 1056 142 3-8 1-4
 F 1397 249 5-8 1-9
 Hz = -320
 Hz = 230

Member CSI P Lbs Axi-CST-Bnd
 Top Chords
 A-B 0.33 586 C 0.00 0.33
 B-K 0.38 674 C 0.00 0.38
 K-C 0.38 674 C 0.00 0.38
 C-L 0.15 763 C 0.00 0.15
 L-M 0.15 705 C 0.00 0.15
 M-N 0.17 106 T 0.02 0.15

Bottom Chords
 E-J 0.21 245 T 0.00 0.21
 J-I 0.25 461 T 0.04 0.21
 I-H 0.25 586 T 0.06 0.19

REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 Date Scaled: 10/17/2005

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

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 Pft Size X Y JSI
 A LOCK 4.0x 6.0 CTR-0.1 0.63
 B LOCK 5.0x 7.0 1.3-3.5 0.69
 K LOCK 2.0x 4.0 CTR CTR 0.41
 C LOCK 5.0x 7.0-1.3-3.5 0.69
 L LOCK 3.0x 7.0 CTR CTR 0.45
 M LOCK 5.0x 7.0-0.5-0.6 0.58
 N LOCK 4.0x 6.0 CTR-0.1 0.63
 E LOCK 2.0x 4.0 CTR CTR 0.42
 J LOCK 5.0x 7.0 CTR 0.8 0.58
 I LOCK 4.0x 8.0 CTR CTR 0.44
 H LOCK 5.0x 7.0 CTR 0.8 0.58
 G LOCK 3.0x 7.0 CTR CTR 0.41
 F LOCK 3.0x 7.0 CTR CTR 0.83
 D LOCK 2.0x 4.0 CTR CTR 0.42

Plates for each ply each face.
 Shear // Grain in K -C 0.26
 TL Defl -0.03" in I -H L/999
 TL Defl -0.07" in I -H L/999





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

HTGT: 287.2 LBS
 NOTES AND SYMBOLS SHEET FOR
 REFERENCE TO ROBINS ENGINEERING
 ADDITIONAL SPECIFICATIONS.

ing, Inc./Online plus " APPROX. TR I-H 0.25 391 T 0.04 0.20 H-G 0.23 368 T 0.03 0.21 F-F 0.22 209 T 0.00 0.22 F-D 0.22 10 C 0.00 0.22									
E-L	0.37	879 C	Windld						
L-I	0.10	560 T							
I-B	0.09	271 C							
H-U	0.17	270 T							
H-J	0.13	390 C							
H-C	0.15	316 T							
G-C	0.09	278 C							
G-N	0.10	558 T							
N-F	0.56	1278 C							
F-M	0.06	190 C							
D-M	0.01	81 T	Windld						
LT Defl	-0.03"	In E	-I	L/999					
LT Defl	-0.06"	In E	-I	L/999					
LT Defl	-0.02"	In F	-D	L/999					
Shear //	Grain	In B	-J	0.25					
Plates for each ply each face. PLATING CONFORMS TO TPI. REPORT: NER 691 ROBBINS ENGINEERING, INC. BASED ON SP LUMBER USING GROSS AREA TEST. Plate - LOCK 20 Ga, Gross Area Plate - RHS 20 Ga, Gross Area LT Type LT Lock 4.0x 6.0 Ctr-0.1 0.63 B Lock 5.0x 7.0 L-1.3-3.5 0.69 J Lock 2.0x 4.0 Ctr Ctr 0.41 C Lock 5.0x 7.0 L-1.3-3.5 0.69 N Lock 5.0x 7.0 L-0.5-0.6 0.58 M Lock 4.0x 6.0 Ctr-0.1 0.63 E Lock 2.0x 4.0 Ctr Ctr 0.42 I Lock 5.0x 7.0 Ctr Ctr 0.8 0.58 H Lock 4.0x 8.0 Ctr Ctr 0.44 G Lock 5.0x 7.0 Ctr 0.8 0.58 F Lock 3.0x 7.0 Ctr Ctr 0.80 D Lock 2.0x 4.0 Ctr Ctr 0.42									

```

Online Plus -- Version 18.0.014
RUN DATE: 14-OCT-05

CSI -Size- ----Lumber-----
TC 0.46 2x 4 SP-#2
BC 0.25 2x 4 SP-#2
WB 0.56 2x 4 SP-#2

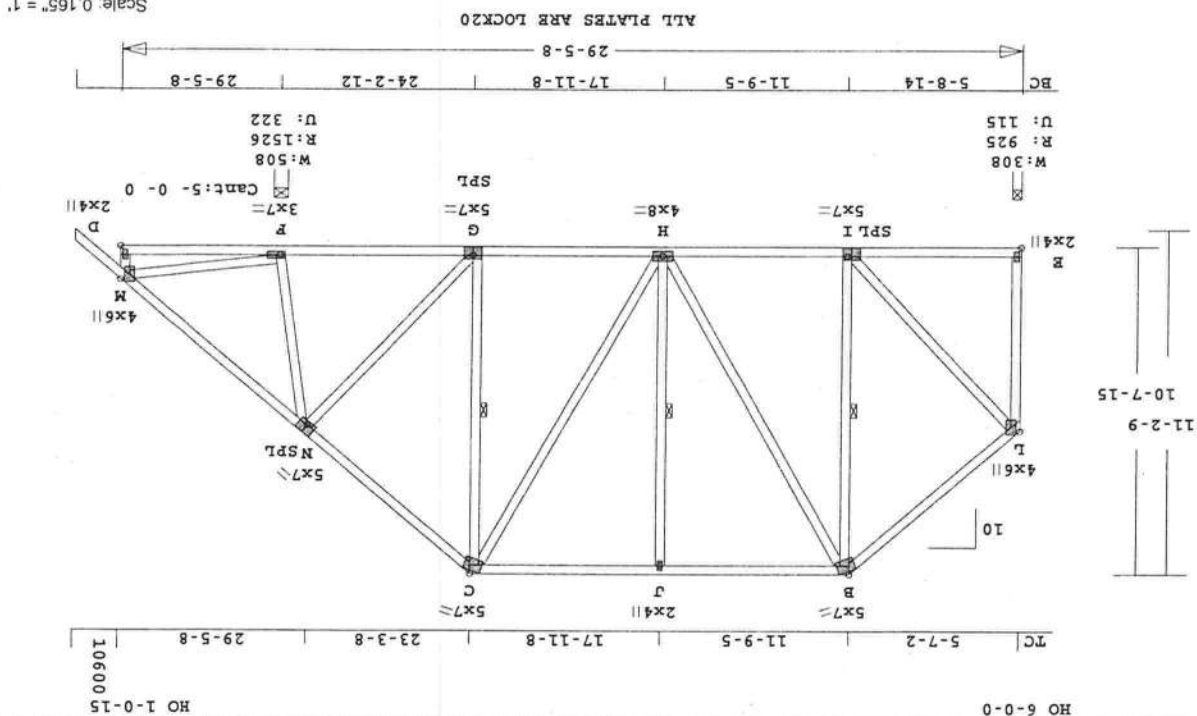
Brace truss as follows:
O.C.
From
TC Cont. 0-0 0 29- 5- 8
BC Cont. 0-0 0 29- 5- 8
WB 1 rows CLB on I-B
WB 1 rows CLB on H-J
WB 1 rows CLB on G-C
Attach CLB with (2)-10d nails
at each web.

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

Jt React Uplift Size Req'd
lbs lbs In-Sx In-Sx
E 926 116 3- 8 1- 1
F 1527 322 5- 8 1-11
Hz = 230
Member CSI P lbs Axl-CST-Bnd
-----Top Chords-----
L-B 0.32 496 C 0.00 0.32
J-B 0.37 528 C 0.00 0.37
C-N 0.40 496 C 0.00 0.40
N-M 0.46 268 T 0.06 0.40
-----Bottom Chords-----
I-B 0.21 245 T 0.00 0.21

```

Online Plus -- Version 18.0.014
RUN DATE: 14-OCT-05



U# J#PARNELL-PARNELL

Job	PARNELL-PARNELL	Mark	A8	Quan	1	Type	SP	Span	290508	PL-HI	10	Left OH	0	Right OH	1 - 6 - 0	Engineering	T05101425
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Online Plus -- Version 18.0.014
RUN DATE: 14-OCT-05

CSI -Size-----Lumber-----
TC 0.39 2x 4 SP-#2
BC 0.30 2x 4 SP-#2
WB 0.48 2x 4 SP-#2

Brace truss as follows:
O.C.
    From 0-0 0 29- 5- 8
    To BC Cont. 0-0 0 29- 5- 8
WB 1 rows CLB on I-B
WB 1 rows CLB on H-J
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 40.0
Spacing
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 TL Load Case(s)
Jt React Uplift Size Req'd
E 1178 Lbs In-Sx In-Sx Reg'd
D 1274 170 Hz = 5- 8 1- 8
Hz = 5- 8 1- 8
Member CSI P Lbs AXI-CST-Bnd
-----Top Chords-----
L-B 0.33 672 C 0.00 0.33
J-B 0.38 812 C 0.00 0.38
U-J 0.38 812 C 0.00 0.38
C-O 0.36 1048 C 0.00 0.36
O-M 0.39 1274 C 0.03 0.36
-----Bottom Chords-----
I-B 0.21 245 T 0.00 0.22

```

	I - H	0.26				
	H - G	0.27				
	G - N	0.30				
N - D	0.20	223 T	- Webs			
E - L	0.48	1131 C	windld			
L - I	0.13	754 T				
I - B	0.14	411 C			1 BR	
B - H	0.18	564 T				
H - J	0.14	398 C				
H - C	0.14	102 T			1 BR	
G - O	0.22	283 C				
N - M	0.18	147 T				
D - M	0.10	1127 C	windld			
LT Defl - "0.04"	"in N - D /L/999					
T/L Defl - "0.09"	"in N - D /L/999					
Shear // Grain in J - C 0.26						
Plates for each ply each face.						
PLATING CONFORMS TO TP1.						
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						
Ply Type X Y JSI						
LT LOCK	4.0x	6.0	Ctr-0.1	0.63		
B LOCK	5.0x	7.0	1.-3-.5	0.69		
J LOCK	2.0x	4.0	Ctr Ctr	0.41		
C LOCK	5.0x	7.0	-1.-3-.5	0.69		
O LOCK	5.0x	7.0	-0.-5-.6	0.58		
M LOCK	4.0x	6.0	Ctr-0.1	0.63		
E LOCK	2.0x	4.0	Ctr Ctr	0.42		
I LOCK	5.0x	7.0	Ctr Ctr	0.58		
H LOCK	4.0x	8.0	Ctr Ctr	0.44		
G LOCK	5.0x	7.0	Ctr Ctr	0.58		
N LOCK	3.0x	7.0	Ctr Ctr	0.81		
D LOCK	2.0x	4.0	Ctr Ctr	0.42		

REVIEWED BY :

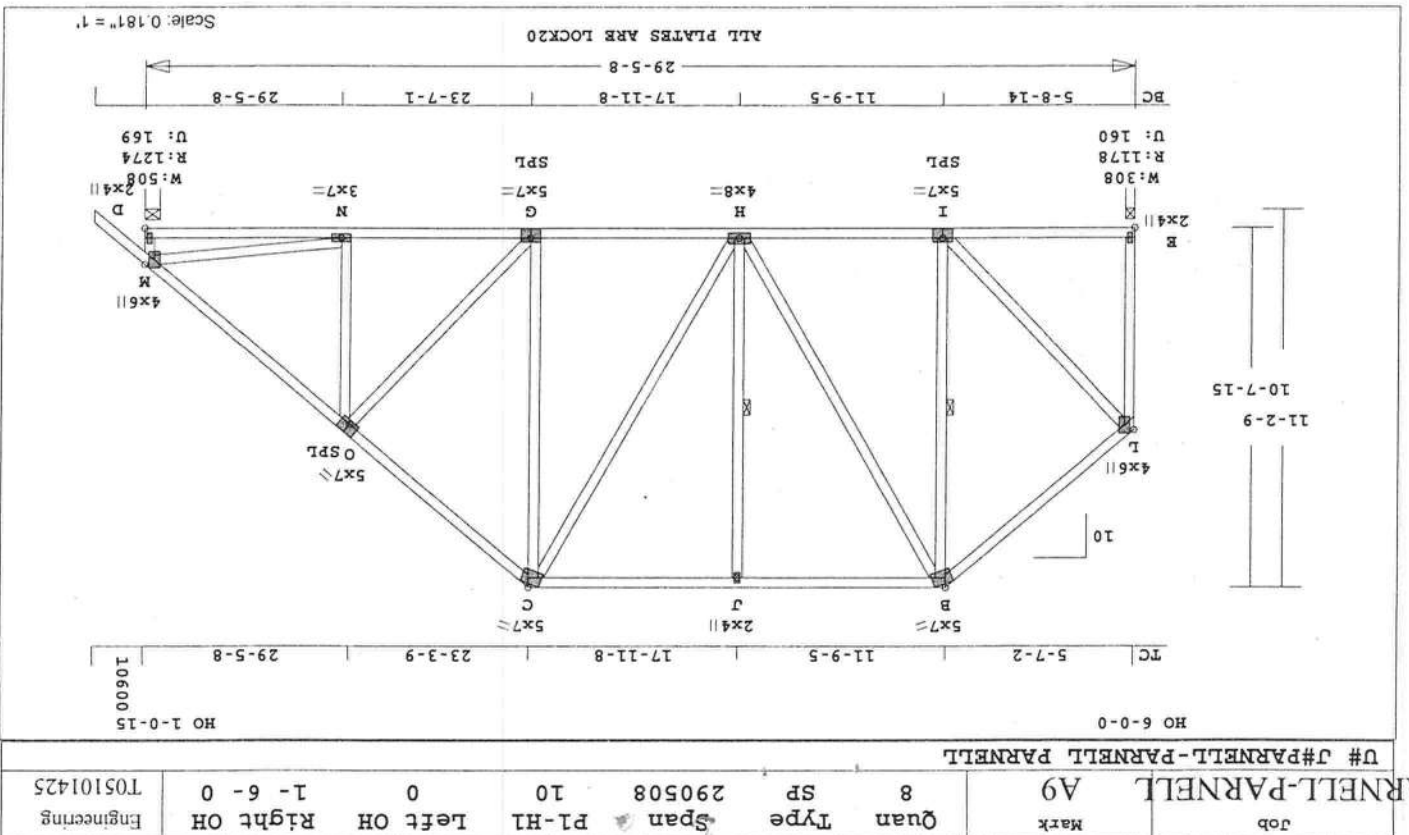
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysts Conforms To:
 ANSI/TPI 95 & 02
 OH Loading
 Soffit pft 2.0
 Provide connection to bearing
 for 321 Lbs Horiz Reaction
 Design checked for 10 pft non-
 concurrent TL 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 pft
 BC Dead Load: 5.0 pft
 Max comp. force 1274 Lbs
 Quality Control Factor 1.25

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

PHILIP J. O'REGAN
 CERTIFICATE
 No. 58126
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

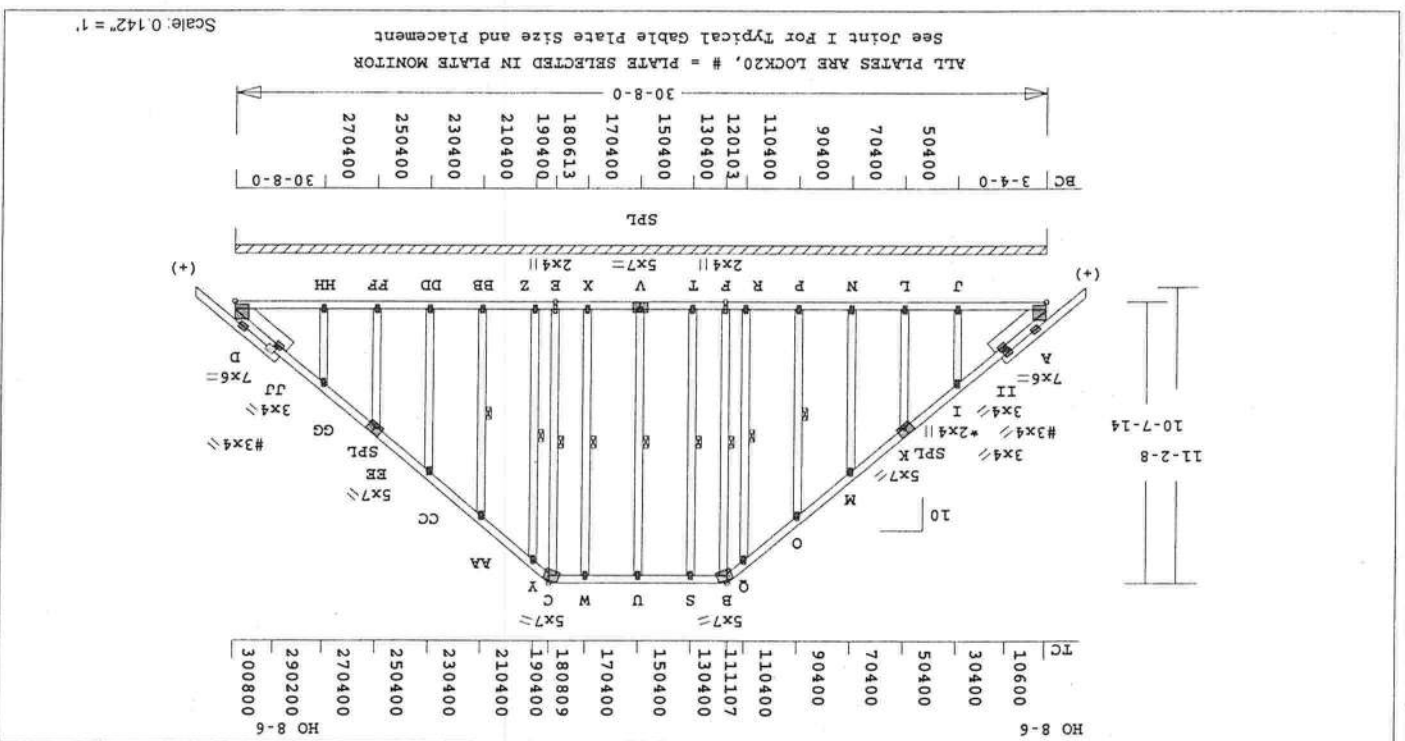


Job	Mark	Quan	Type	Span	Pl-Ht	Left OH	Right OH	Engineering	T05101425
PARNELL-PARNELL	A10	1	SP	290508	10	0	0		
U# J#PARNELL-PARNELL PARNELL									

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Confirms To:
ANSI/TPI 95 & 02
Provide connection to bearing
for 306 lbs Horiz Reaction
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Refer to Gen Det 3 series for
web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as 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 296 lbs
Quality Control Factor 1.25



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 373.6 LBS

TC	20.0	10.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</
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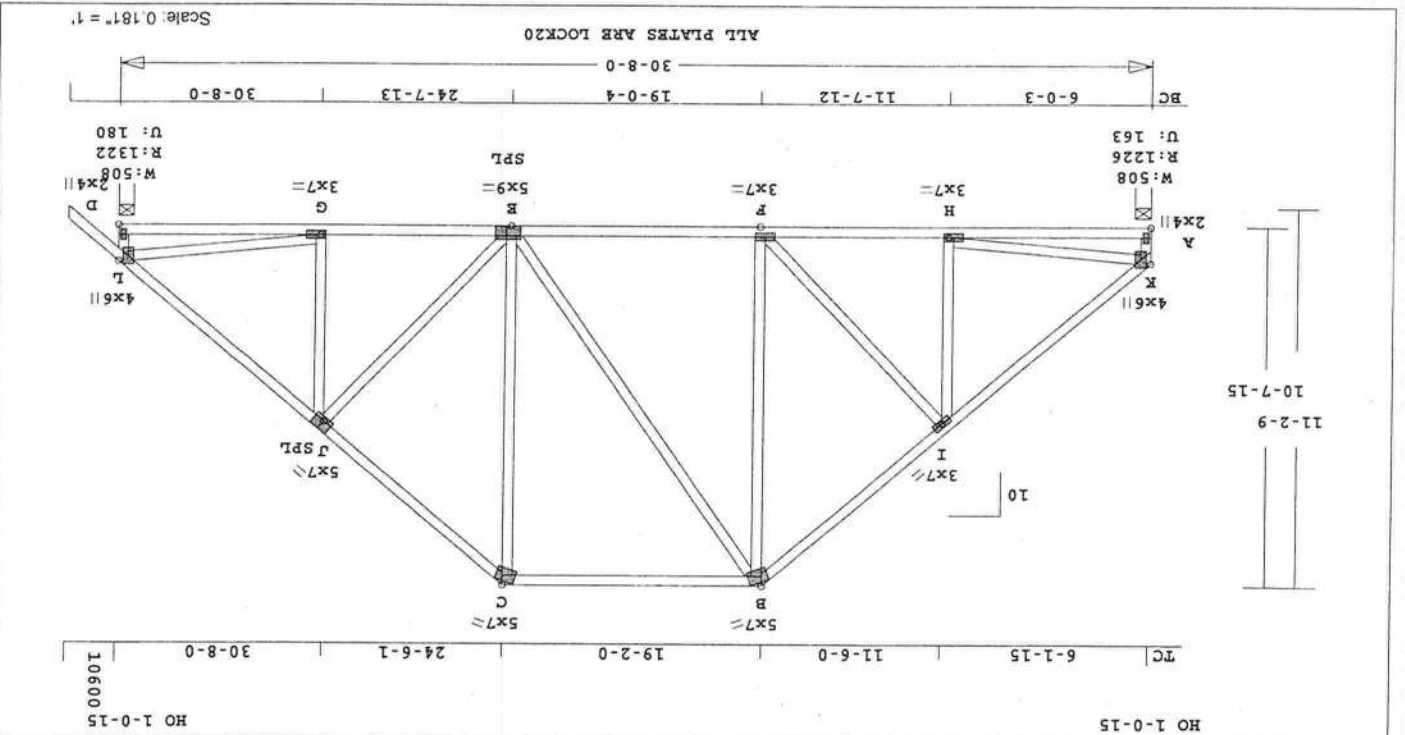
Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering	T05101425
	B1	1	HIPP	300800	10	0	0		
U# J#PARNELL-PARNELL PARNELL									

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:
ANSI/TPI 95 & 02
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Refer to Gen Det 3 series for
web bracing and plating.
Wind loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone Location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 163 lbs
Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	B3	3	HIPP	300800	10	0	1-6-0	T05101425



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 268.6 LBS
 E-G 0.34 1041 T 0.10 0.24
 G-D 0.18 242 T 0.00 0.18
 ---Webs---
 A-K 0.10 1174 C Windld
 K-H 0.19 1052 T
 H-I 0.02 131 T
 I-F 0.20 261 C
 F-B 0.06 398 T
 B-E 0.23 121 T
 E-C 0.06 398 T
 C-J 0.21 262 C
 J-U 0.01 129 T
 U-L 0.19 1052 T
 L-T 0.10 1174 C Windld

CSi -Size- ---Lumber---
 TC 0.57 2x 4 SP-#2
 BC 0.34 2x 4 SP-#2
 WB 0.23 2x 4 SP-#2
 Brace truss as follows:
 To From
 TC Cont. 0-0-0 30-8-0
 BC Cont. 0-0-0 30-8-0

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 Fb=1.10
 BC Fb=1.10 Fc=1.10 Fb=1.10

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

Size Req'd
 Lbs In-Sx In-Sx
 A 1227 163 5-8 1-7
 D 1323 180 5-8 1-9

Membr CSI P Lbs Axi-Csi-Bnd

Top Chords
 K-I 0.42 1335 C 0.04 0.38
 I-B 0.34 1118 C 0.01 0.33
 B-C 0.57 857 C 0.01 0.56
 C-J 0.35 1120 C 0.01 0.34
 J-L 0.41 1335 C 0.04 0.37

Bottom Chords
 A-H 0.19 253 T 0.00 0.19
 H-F 0.33 1041 T 0.10 0.23
 F-E 0.33 855 T 0.09 0.24

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

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

Plates for each ply each face.

Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area

LT Defl -0.07" in F -E L/999
 TL Defl -0.16" in F -E L/999
 Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

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

LT Defl -0.07" in F -E L/999

TL Defl -0.16" in F -E L/999

Shear // Grain in B -C 0.28

Plates for each ply each face.

Plating conforms to TPI.

REPORT: NER 691

ROBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering	T05101425
	C2	8	AT12	230000	10	1 - 6 - 0	1 - 6 - 0		

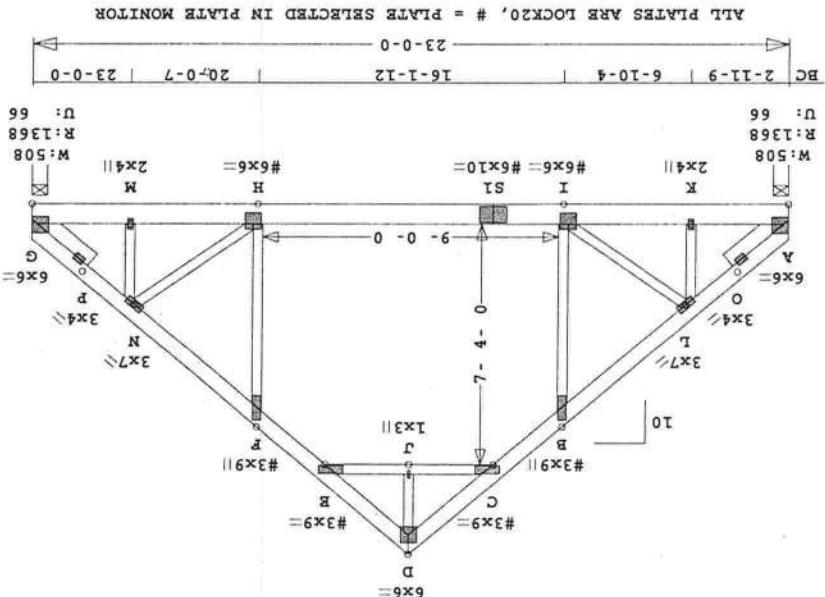
U# J#PARNELL-PARNELL PARNELL

BC Dead Load : 5.0 psf
 Unbalanced Loads Checked
 Load Factors = 1.00 and 0.00
 Max comp. force 1630 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PARNELL-PARNELL	C3	4	AT12	230000	10	0	0	T05101425

U# J#PARNELL-PARNELL PARNELL

HO 1-0-15	10607	30105	6-10-4	8-11-6	11-6-0	14-0-10	160112	19-10-11	210509	230000
TC	10607	30105	6-10-4	8-11-6	11-6-0	14-0-10	160112	19-10-11	210509	230000



Scale: 0.177" = 1'

REVIEWED BY: Robbings Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682
 REFER TO ROBBINGS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.
 NOTES:
 Trusses Manufactured by:
 Mayo Trusses Co., Inc.
 Analysis Conforms To:
 ANSI/TPI 95 & 02
 Design checked for 10 psf non-
 concurrent LL on BC.
 NOTE: USER MODIFIED PLATES
 This design may have plates
 selected through a plate
 monitor.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 Zone Location: Exterior
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Unbalanced Loads Checked

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



Date Sealed: 10/17/2005

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05

CSI - Size - Lumber -
 TC 0.79 2x 6 SP-#2
 BC 0.63 2x 8 SP-#2
 WT 0.23 2x 4 SP-#2
 ACT 0.14 2x 4 SP-#2
 AMT 0.04 2x 4 SP-#2
 SL 0.02 2x 6 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0-0-0 23-0-0
 BC Cont. 0-0-0 23-0-0

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

Spacing
 Lumber Duration Factor 1.00
 Plate Duration Factor 1.00
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Load Case # 1 Attic Loading
 Lumber Duration Factor 1.00
 Plate Duration Factor 1.00
 Pft - Live Dead From To

Plus 6 Wind Load Case(s)
 Plus 2 Unbalanced Load Cases
 Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
 A 1368 Lbs In-Sk In-Sk
 G 1368 67 5-8 1-10
 Hz = -223
 Hz = 224

Member CSI P Lbs Ax1-CSt-Bnd
 A -0.018 1274 C 0.00 0.18
 O -0.019 1532 C 0.01 0.18
 L -B 0.72 1630 C 0.01 0.71
 B -C 0.78 1047 C 0.00 0.78

LT Defl -0.20" in SI-H L/999
 TL Defl -0.29" in SI-H L/899
 Shear // Grain in B -C 0.61

Plating for each ply face.
 REPORT: NER 691
 ROBBINGS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.

Plate - RHS 20 Ga, Gross Area
 Plate - LHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI

A LOCK 6.0x 2.1 1.1 0.90
 O LOCK 3.0x 4.0 Ctr 0.67
 L LOCK 3.0x 7.0 Ctr 0.41

B# LOCK 3.0x 9.0 Ctr 0.25
 C# LOCK 3.0x 9.0 Ctr 0.30
 D LOCK 6.0x 6.0 Ctr 0.49

E# LOCK 3.0x 9.0 Ctr 0.30
 F# LOCK 3.0x 9.0 Ctr 0.25
 N LOCK 3.0x 7.0 Ctr 0.41

P LOCK 3.0x 4.0 Ctr 0.67
 G LOCK 6.0x 6.0 Ctr 0.90
 K LOCK 2.0x 4.0 Ctr 0.40

I# LOCK 6.0x 6.0 Ctr 0.39
 SI#LOCK 6.0x10.0 Ctr 0.42
 H# LOCK 6.0x 6.0 Ctr 0.39

M LOCK 2.0x 4.0 Ctr 0.40
 J LOCK 1.0x 3.0 Ctr 0.81

Job	PARNELL-PARNELL	Mark	C3	Quan	4	Type	ATI2	Span	230000	Pl-HI	10	Left OH	0	Right OH	0	Engineering	T05101425
-----	-----------------	------	----	------	---	------	------	------	--------	-------	----	---------	---	----------	---	-------------	-----------

Load Factors = 1.00 and 0.00
 Max comp. force 1630 lbs
 Quality Control Factor 1.25

U# J#PARNELL-PARNELL PARNELL

	Plus 5 Wind Load Case(s)	Plus 1 WBC TL Load Case(s)	UT React Uplift	Size Req'd	In-Sk	Lbs	A	B	C
HZ =	-33	1-0	162	169	83	3-8	1-0	63	1-0
HZ =	38	38	38	38	38	3-8	1-0	63	1-0

Brace truss as follows:			
O.C.	From	To	
TC Cont.	0 - 0 - 0	7 - 0 - 14	
BC Cont.	0 - 0 - 0	7 - 0 - 14	
Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor	1.25		
Plate Duration Factor	1.25		
TC Fb=1.00	Fc=1.00	Ft=1.00	
BC Fb=1.00	Fc=1.00	Ft=1.00	
Load Case # 1 Girder Loading			
Lumber Duration Factor	1.25		
Plate Duration Factor	1.25		
Plf - Live Dead	From	To	
TC V	40	20	0.0
BC V	0	20	0.0
TC V	-40	-20	0.0
BC V	0	-20	0.0
	17	8	
	0	-20	0.0
	0	8	

```

Online Plus -- Version 18.0.0.14
RUN DATE: 14-OCT-05
      CSI-Size- ---Lumber----
TC      0.12  2x 4      SP-#2
BC      0.20  2x 4      SP-#2
WB      0.05  2x 4      SP-#2

```

REFER TO ROBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.
For proper installation of
anchors, refer to the 2001
National Design Specification
(NDS) for Wood Construction
Trusses Manufactured by
Mayo Truss Co. Inc.
Analysis Conforms To:

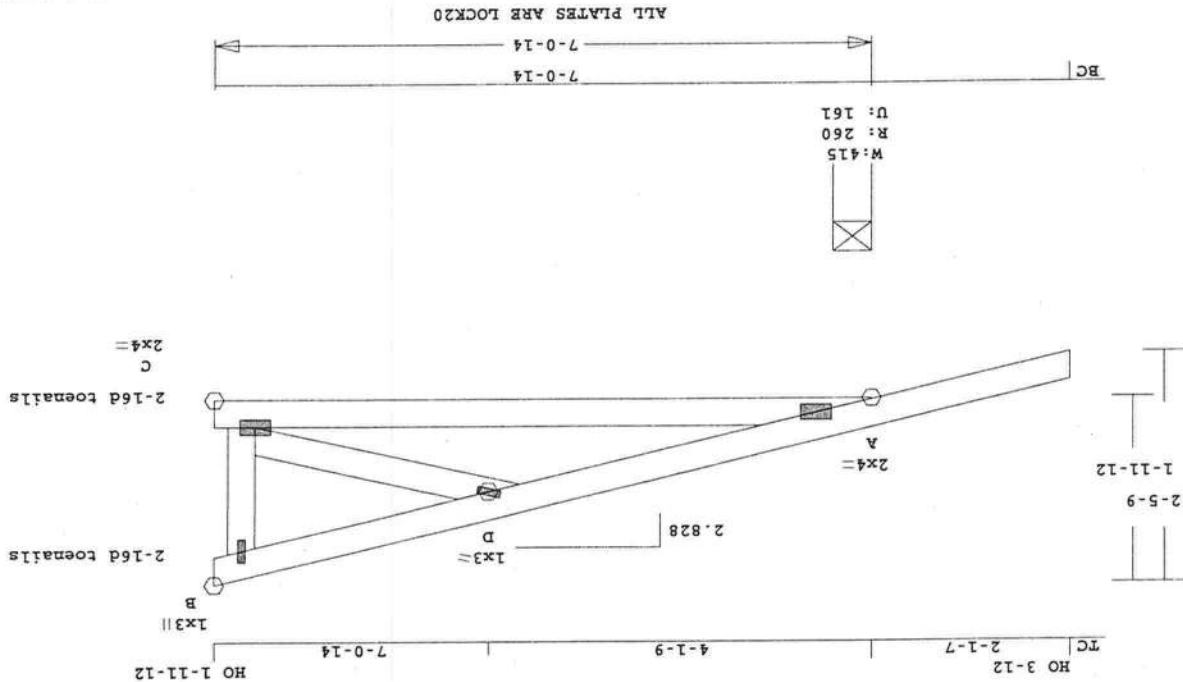
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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
v Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.87
B LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 2.0x 4.0 Ctr Ctr 0.77
LT Defl -0.03" in A - C L/999
TL Defl -0.07" in A - C L/999
Shear // Grain in D - B 0.12

Member	CSI p Lbs	Approx. TRUSS
tying, Inc./online plus	354	0.00
-----Top Chords-----		
A-D	338	0.12
D-B	36	0.10
D-B	36	0.00
-----Bottom Chords-----		
A-C	339	0.20
A-C	339	0.03
-----Webs-----		
D-C	354	0.05
C-B	0	0.00

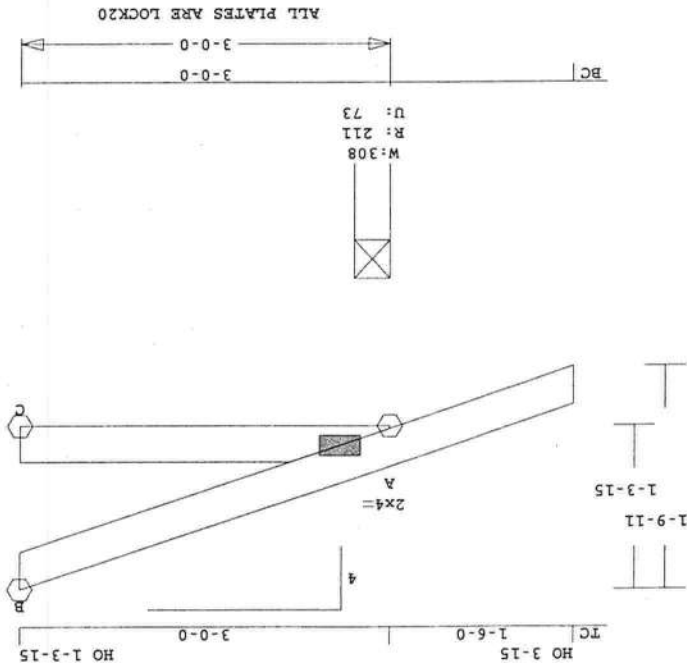
Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 39.4 LBS

ANSI/TPI 95 & 02
girder King Jack
Loading TC and BC
Setback 5 - 0 - 0
OH Loading
Soffit pft 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.
Wind loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
User-defined wind-exposed BC
regions ---From---
0 - 0 - 0 7 - 0 - 14
Max comp. force 354 lbs
Quality Control Factor 1.25



Job	Mark	Quan	Type	Span	PI-HI	Left OH	Right OH	Engineering	T05101425
PARNELL-PARNELL									
U# J#PARNELL-PARNELL PARNELL									

Job	Mark	Quan	Type	Span	Left OH	Right OH	Engineering
PARNELL-PARNELL	J2	2	JCA2	30000	4	1-6-0	0
U# J#PARNELL-PARNELL							T05101425



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 14.8 LBS
 concurrent LL on BC. A - C 0.05 19 T 0.00 0.05
 TL 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.
 REPORT: NBR 691
 ROBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 ga, Gross Area
 Plate - RHS 20 ga, Gross Area
 A LOCK 2.0x 4.0 Ctr Ctr 0.73

LOADING Live Dead (psf)
 TC 20.0 10.0
 BC 0.0 10.0
 Spacing 24.0"

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:
 ANSI/TPI 95 & 02

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

Plus 5 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 React Uplift Size Req'd
 Lbs In-Sx In-Sx
 A 211 73 3-8 1-0
 B 87 36 3-8 1-0
 C 54 19 3-8 1-0
 Hz = 20
 Member CSI P Lbs Axl-Csi-Bnd
 Top Chords
 A - B 0.06 15 C 0.00 0.06
 Bottom Chords

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 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)
 TC 20.0 10.0
 BC 0.0 10.0
 Spacing 24.0"

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

Online Plus -- Version 18.0.014
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Online Plus -- Version 18.0.014
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Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

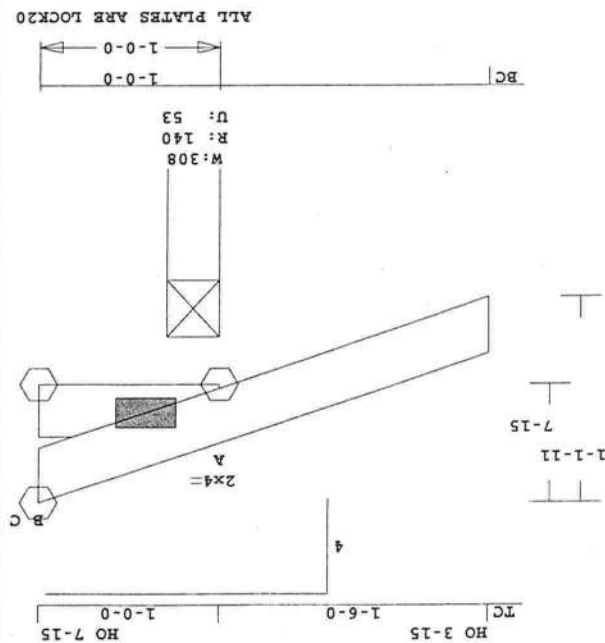
Online Plus -- Version 18.0.014
 RUN DATE: 14-OCT-05
 CSI - Size - Lumber

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
 User-defined wind-exposed BC
 regions --From-- --To--
 0-0-0 3-0-0
 Max comp. force 15 lbs
 Quality Control Factor 1.25



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

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering	TOS101425
PARNELL-PARNELL	J3	2	JCA2	10000	4	1-6-0	0		
U# J#PARNELL-PARNELL PARNELL									



Scale: 0.967" = 1'

Online Plus -- Version 18.0.014
Run Date: 14-OCT-05

CSI - Size - Lumber

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

Brace truss as follows:

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

Loading Live Dead (psf)

TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0

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)

Ut React Uplift Size Req'd

Lbs In-Sk In-Sk
A 140 53 3-8 1-0
B 17 8 1-8 1-0
C 13 6 1-8 1-0

Member CSI P Lbs AXI-CSI-Bnd

-----Top Chords-----
A-B 0.00 3 T

-----Bottom Chords-----
LT Defl 0.00" in A-C L/999

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 7.1 LBS

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

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 X JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.73
Max comp. force 2 Lbs

Quality Control Factor 1.25
User-defined wind-exposed BC

Regions --From-- --To--
1-0-0 1-0-0

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

Revised 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:

ANSI/TPI 95 & 02
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



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

Date Scaled: 10/17/2005

Robbins Engineering, Inc./Online Plus™ @ 1996-2005 Version 18.0.014 Engineering - Portal 10/14/2005 5:33:09 PM Page 1



Truss Design Engineer: Philip O'Regan
License #: 38126
Address: P.O. Box 280055, Tampa, FL 33682

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
ANSI/TPI 95 & 02
OH Loading
Software ver 2.0
Design checked for 10 psf non-

Tampa, FL 33682

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

REVIEWED BY: Robbins Engineering, Inc.

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 3.0x 4.0 0.1 Ctr 0.58
B LOCK 4.0x 4.0 Ctr Ctr 0.49
C LOCK 3.0x 4.0-0.1 Ctr 0.58
D LOCK 1.0x 3.0 Ctr Ctr 0.75

LT Defl -0.01" in D -C	L/999
TL Defl -0.03" in D -C	L/999
Shear // Grain in A -B	0.15

ring, Inc./Online Plus™	D - C	0.20	1 T	0.00	0.20
APPROX. TRUSS					
-----webs-----					
D - B	0.02	165 T			

Member	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A-B	0.20	364	C	0.00	0.20
B-C	0.20	364	C	0.00	0.20
-----Bottom Chords-----					
A-D	0.20	1	T	0.00	0.20

Jt React	Uplift	Size Req'd	Lbs In-Sx	In-Sx	Cont. Brq	0 - 0 - 0	to 11-1-4
						969	132 Hz =
							98

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	10.0
BC	0.0	10.0	10.0
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Pb=1.15	Fc=1.10	Ft=1.10	
BC Pb=1.10	Fc=1.10	Ft=1.10	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0-0-0	12-4-6	
BC Cont.	0-0-0	12-4-6	

WB	0.02	2x 4	SP-#2
BC	0.20	2x 4	SP-#2
TC	0.20	2x 4	SP-#2

CS1 -Size- ----Lumber----

RUN DATE: 14-OCT-05

Online Plus -- Version 18.0.014

Robbins English

WEIGHT: 59.6 LBS

-----Webb-----

D-B 0.02 165 T

LT Defl - 0.01" in D - C L/999

Shear // Grain in A - B 0.15

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

ROBBINS ENGINEERING, INC.

USING GROSS AREA TEST.

Plate - RHS 20 Ga, Gross Area

A LOCK 3-0x 4-0 0-1 GTR 0-58

B	LOCN	4.0X	CEE	CEE	0.49
C	LOGR	3.0X	4.0-0.1	GT	0.58

D LOCK 1.0x 3.0 Ctr Ctr 0.75

Robbins Engineering, Inc.

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

ADDITIONAL SPECIFICATIONS.

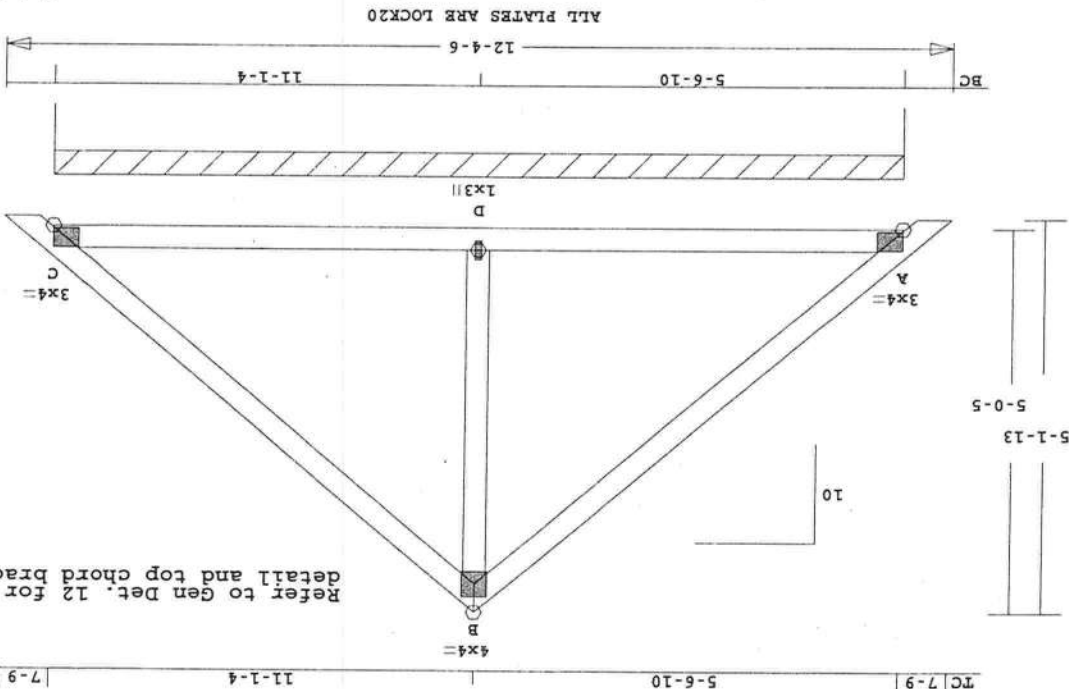
NOTES:

Mayo Truss Co. Inc.

ANST/TPT 95 & 02

бутирол HO

Design checked for 10 psf non-



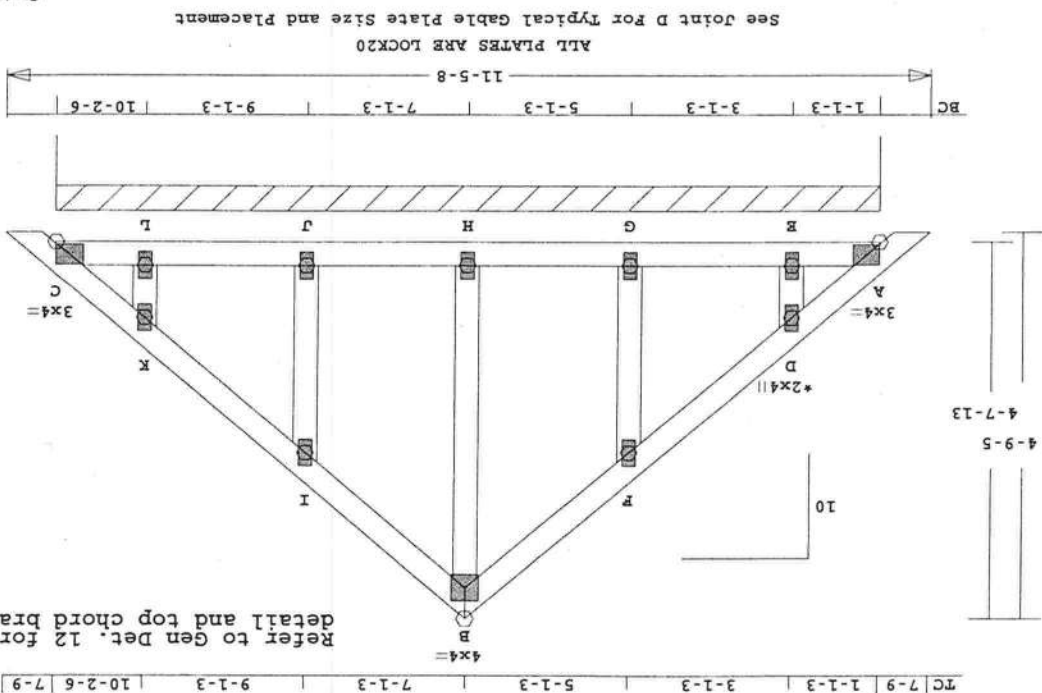
Refer to Gen Det. 12 for piggyback detail and top chord bracing.

Scale: 0.412" = 1'

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering	T05101425
PARNELL-PARNELL		P1	21	TR	120406	7-9	7-9		
U# J#PARNELL-PARNELL PARNELL									

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	P2	2	TR	110508	10	7-9	7-9	T05101425

U# J#PARNELL-PARNELL PARNELL



Robbins-Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 67.0 LBS

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

ANSI/TPI 95 & 02

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LB on BC.

Refer to Gen Det 3 series for

web bracing and plating.

Wind loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed:

110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone Location: Exterior

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force

128 Lbs

Quality Control Factor 1.25

H-J	0.02	0.00	0.02
J-L	0.02	0.00	0.02
L-C	0.01	0.00	0.01

Gable Webs

E-D	0.01	94 C
G-F	0.01	128 C
H-B	0.01	67 C
J-I	0.01	128 C
L-K	0.01	94 C

Plating conforms to TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

JT Type

PLT Size X Y JSI

A LOCK 3.0x 4.0 0.1 Ctr 0.56

D LOCK 2.0x 4.0 Ctr 0.00

F LOCK 2.0x 4.0 Ctr 0.00

B LOCK 4.0x 4.0 Ctr 0.48

I LOCK 2.0x 4.0 Ctr 0.00

K LOCK 2.0x 4.0 Ctr 0.00

C LOCK 3.0x 4.0-0.1 Ctr 0.56

E LOCK 2.0x 4.0 Ctr 0.00

G LOCK 2.0x 4.0 Ctr 0.00

H LOCK 2.0x 4.0 Ctr 0.00

J LOCK 2.0x 4.0 Ctr 0.00

L LOCK 2.0x 4.0 Ctr 0.00

T LOCK 2.0x 4.0 Ctr 0.00

CSI -Size- Lumber

TC	0.03	2x 4	SP-#2
BC	0.02	2x 4	SP-#2
GW	0.01	2x 4	SP-#2

Brace truss as follows:

TL Defl	0.00"	in J - L	L/999
TL Defl	0.00"	in J - L	L/999
Shear // Grain	in D - F		0.06

Plating conforms to TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

JT Type

PLT Size X Y JSI

A LOCK 3.0x 4.0 0.1 Ctr 0.56

D LOCK 2.0x 4.0 Ctr 0.00

F LOCK 2.0x 4.0 Ctr 0.00

B LOCK 4.0x 4.0 Ctr 0.48

I LOCK 2.0x 4.0 Ctr 0.00

K LOCK 2.0x 4.0 Ctr 0.00

C LOCK 3.0x 4.0-0.1 Ctr 0.56

E LOCK 2.0x 4.0 Ctr 0.00

G LOCK 2.0x 4.0 Ctr 0.00

H LOCK 2.0x 4.0 Ctr 0.00

J LOCK 2.0x 4.0 Ctr 0.00

L LOCK 2.0x 4.0 Ctr 0.00

T LOCK 2.0x 4.0 Ctr 0.00

Member CSI P Lbs Axl-CSI-Bnd

Top Chords

Bottom Chords

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

REVIEWED BY:

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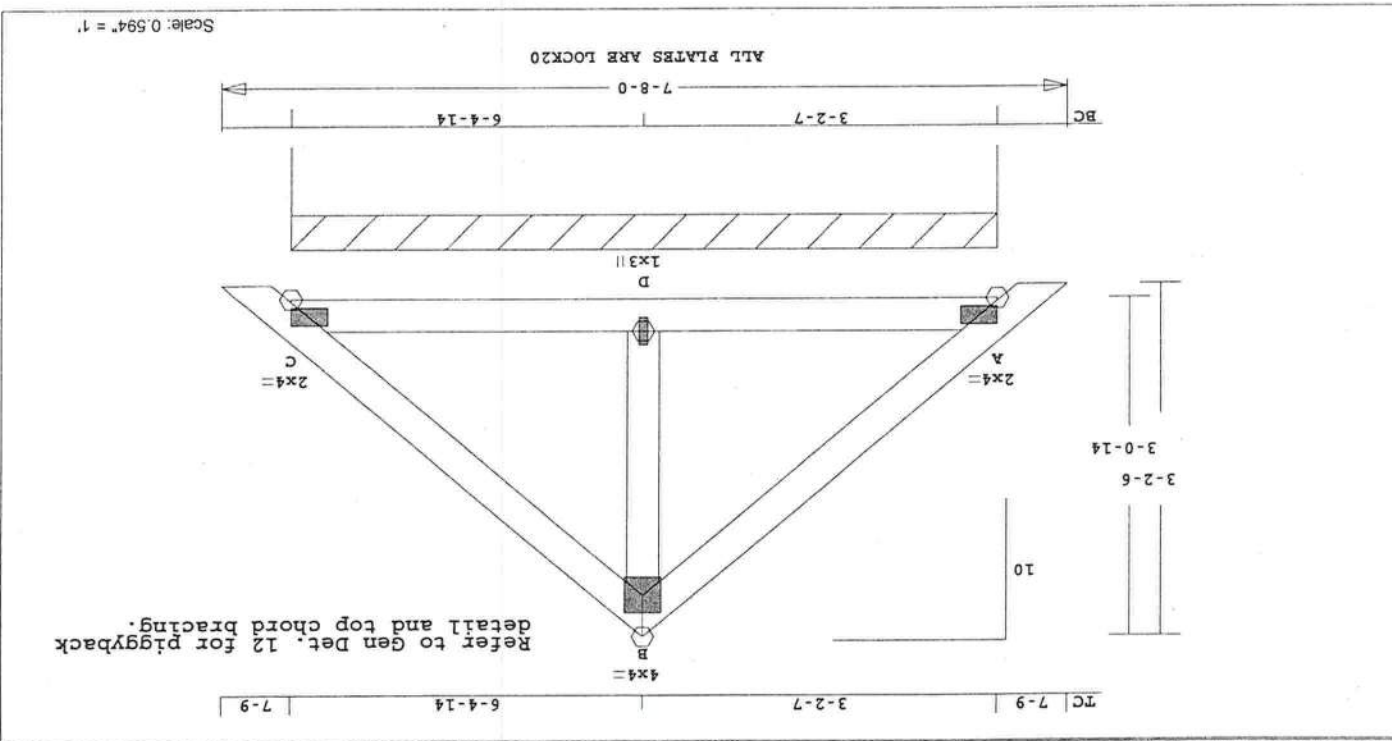


Truss Design Engineer: Philip O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 10/17/2005

Robbins Engineering, Inc./Online Plus™ @ 1996-2005 Version 18.0.014 Engineering - Portrait 10/14/2005 5:33:09 PM Page 1

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	P3	6	TR	70800	10	7-9	7-9	T05101425
U# J#PARNELL-PARNELL PARNELL								



Online plus -- Version 18.0.014 D - B 0.00 36 T

CSI - Size - Lumber

TC 0.06 2x 4 SP-#2
BC 0.06 2x 4 SP-#2
WB 0.00 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0-0-0 7-8-0
BC Cont. 0-0-0 7-8-0

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 LL Load Case(s)

Jt React Uplift Size Req'd
Lbs In-Sk In-Sk

Cont. Brg 0-0-0 to 6-4-14
593 82 Hz = 55

Membr CSI P Lbs AXI-CSI-Bnd

-----Top Chords-----
A-B 0.06 140 C 0.00 0.06
B-C 0.06 140 C 0.00 0.06

A-D 0.06 0 T 0.00 0.06
-----Bottom Chords-----

Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 35.5 LBS
concurrent LL on BC.
Refer to Gen Det 3 series for

-----Webs-----
D - C 0.06 0 T 0.00 0.06
D - B 0.00 36 T

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

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 0.1 Ctr 0.61
B LOCK 4.0x 4.0 0.1 Ctr 0.43

C LOCK 2.0x 4.0-0.1 Ctr 0.61
D LOCK 1.0x 3.0 Ctr 0.75

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
ANSI/TPI 95 & 02
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

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

Quality Control Factor 1.25
Max comp. force 140 Lbs
BC Dead Load: 5.0 psf
TC Dead Load: 5.0 psf

Zone location: Exterior
Building Type: Enclosed
Occupancy Factor: 1.00
Exposure Category: B
Mean Roof Height: 15-0
Wind Speed: 110 mph
Wind-Force Resistance System.

Truss is designed as a Main
web bracing and plating.
Wind loads - ANSI / ASCE 7-02

Refer to Gen Det 3 series for
concurrent LL on BC.

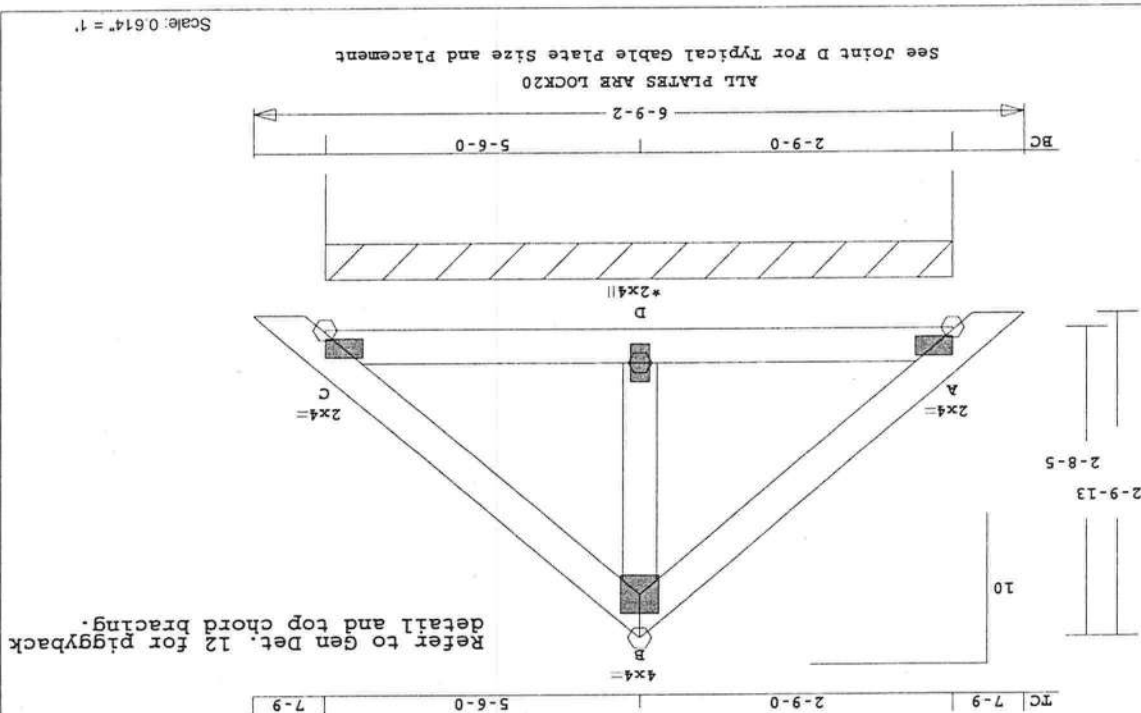
Scale: 0.594" = 1'

PHILIP J. O'REGAN
CERTIFICATE
No. 58126
FLORIDA
PROFESSIONAL ENGINEER

Date Sealed: 10/17/2005

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	P4	1	TR	60902	10	7-9	7-9	TOS101425

U# J#PARNELL-PARNELL PARNELL



Scale: 0.614" = 1'

Online Plus -- Version 18.0.014 D - B 0.00 21 T

RUN DATE: 14-OCT-05

CSI - Size - Lumber

TC 0.04 2x 4 SP-#2
BC 0.04 2x 4 SP-#2
GW 0.00 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0-0-0 6-9-2
BC Cont. 0-0-0 6-9-2

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-Sx In-Sx
Cont. Brg 0-0-0 to 5-6-0
521 73 Hz = 47

Member CSI P Lbs Axl-Csi-Bnd

A-B 0.04 108 C 0.00 0.04
B-C 0.04 108 C 0.00 0.04
A-D 0.04 0 T 0.00 0.04

Design checked for 10 psf non-

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

D - C 0.04 0 T 0.00 0.04

Gable Webs

TL Defl 0.00" in A - D L/999

TL Defl 0.00" in A - D L/999

Shear // Grain in A - B 0.07

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 2.0x 4.0 0.1 Ctr 0.59

B LOCK 4.0x 4.0 0.1 Ctr 0.42

C LOCK 2.0x 4.0-0.1 Ctr 0.59

D LOCK 2.0x 4.0 Ctr 0.00

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

ANSI/TPI 95 & 02

OH Loading

Soffit psf 2.0

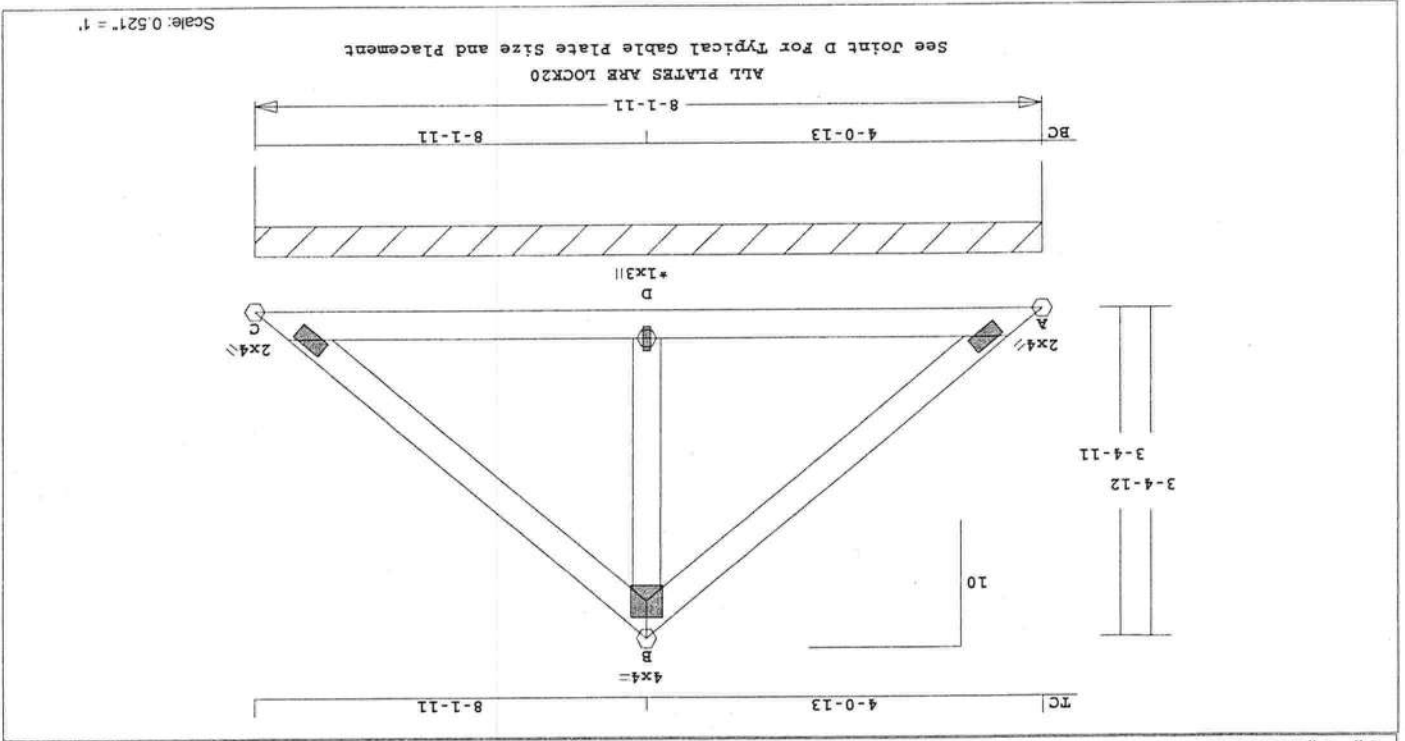
Design checked for 10 psf non-

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



Date Sealed: 10/17/2005

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
PARNELL-PARNELL	VI	1	VL-SB	80111	10	0	0	T05101425
U# J#PARNELL-PARNELL PARNELL								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 38.8 LBS
 D - C 0.07 0 T 0.00 0.07
 Gable Webs-----
 Online Plus -- Version 18.0.014 D - B 0.00 36 C
 RUN DATE: 14-OCT-05

CS1 - Size - Lumber-----
 TC 0.08 2x 4 SP-#2
 BC 0.07 2x 4 SP-#2
 GW 0.00 2x 4 SP-#2
 Brace truss as follows:
 O.C. From To
 TC Cont. 0-0-0 8-1-11
 BC Cont. 0-0-0 8-1-11
 REPORT: NER 691
 ROBINS ENGINEERING, INC.
 PLATING CONFORMS TO TPI.
 Plates for each ply each face.
 Shear // Grain in A - B 0.09
 TL Defl 0.00" in D - C L/999
 TL Defl 0.00" in D - C L/999

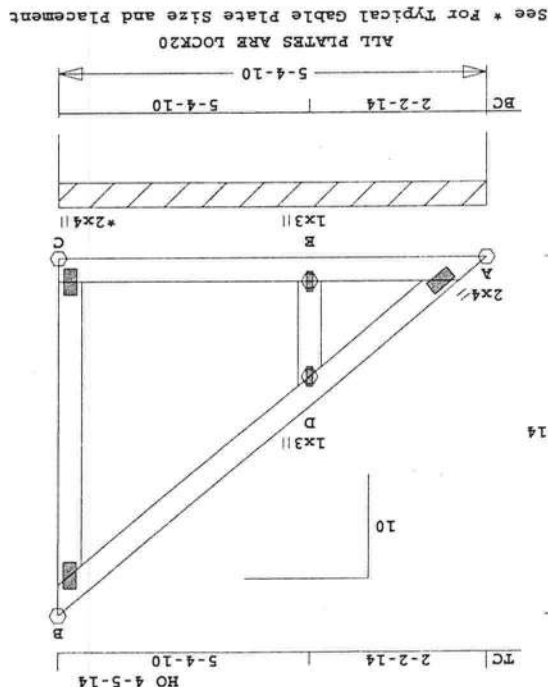
Loading Live Dead (psf)
 TC 20.0 10.0
 BC 0.0 10.0
 Total 20.0 20.0
 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Pb=1.15 Fc=1.10 Ft=1.10
 BC Pb=1.10 Fc=1.10 Ft=1.10
 Plus 6 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Jt React Uplift Size Req'd
 Lbs In-Sx In-Sx
 Cont. Brg 0-0-0 to 8-1-11
 586 78 Hz = 64
 Membri CSI P Lbs Axl-CSt-Bnd
 Top Chords-----
 A - B 0.08 146 C 0.00 0.08
 B - C 0.08 146 C 0.00 0.08
 Bottom Chords-----
 A - D 0.07 0 T 0.00 0.07
 Wind Loads - ANSI / ASCE 7-02
 concurrent LL on BC.
 Design checked for 10 psf non-

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:
 ANSI/TPI 95 & 02
 Design checked for 10 psf non-



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
PARNELL-PARNELL	V3	1	VLM.SB	50410	10	0	0	T05101425
U# J#PARNELL-PARNELL PARNELL								



Scale: 0.426" = 1'

Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 32.2 LBS

E - C 0.31 0 T 0.00 0.31

Online Plus -- Version 18.0.014 E - D 0.02 230 C

RUN DATE: 14-OCT-05

CSI - Size - Lumber -

TC 0.55 2x 4 SP-#2
BC 0.31 2x 4 SP-#2
GW 0.02 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0-0-0 5-4-10
BC Cont. 0-0-0 5-4-10

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)

Ut React Uplift Size Req'd
Lbs In-Sx In-Sx
Cont. Brg 0-0-0 to 5-4-10
399 53 Hz = 127

Member CSI P Lbs Axl-CST-Bnd
-----Top Chords-----
A - D 0.55 232 C 0.02 0.53
D - B 0.53 60 C 0.00 0.53
-----Bottom Chords-----
A - E 0.31 0 T 0.00 0.31

NOTES:

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

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

REVIEWED BY:

1 Gable studs to be attached
with 2.0x4.0 plates each end.

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 0.58
D LOCK 1.0x 3.0 Ctr 0.75
E LOCK 1.0x 3.0 Ctr 0.75

ROBBINS ENGINEERING, INC.

REPORT: NER 691

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

LT Defl - 0.04" in E - C L/999
TL Defl - 0.07" in E - C L/908
Shear // Grain in A - D 0.27

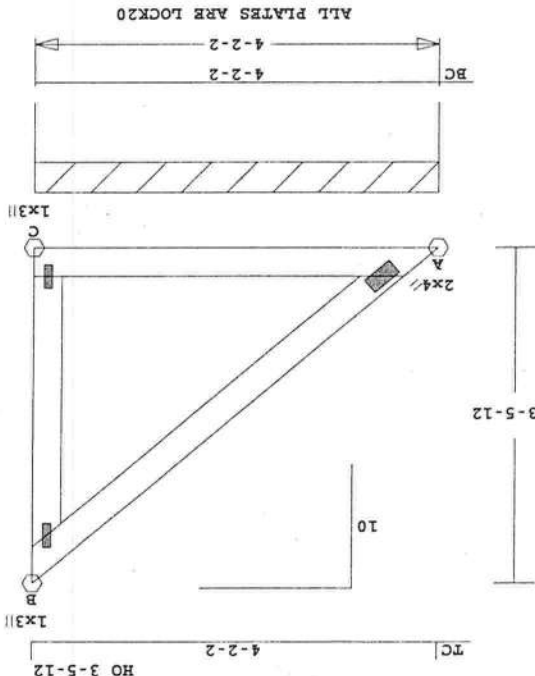
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone Location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 232 lbs
Quality Control Factor 1.25

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



Date Sealed: 10/17/2005

Job	Mark	Quan	Type	Spaz	PI-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	V4	1	VLM.SB	40202	10	0	0	T05101425
U# J#PARNELL-PARNELL PARNELL								



Scale: 0.519" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 22.6 LBS

C-B 0.01 100 C Windld

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 100 Lbs

Quality Control Factor 1.25

Online Plus -- Version 18.0.014 TL Defl 0.00" in A - C L/999

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

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

TC 0.12 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
GW 0.01 2x 4 SP-#2

Brace truss as follows:

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

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)

It React Uplift Size Req'd
Lbs In-Sx 4-2-2
Cont. Brg 0-0-0 to 4-2-2
302 40 Hz = 96

Member CSI P Lbs Axl-CST-Bnd
Top Chords
A-B 0.12 56 C 0.00 0.12

A-C 0.08 0 T 0.00 0.08
Gable Webs-----

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

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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 0.58
B LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 1.0x 3.0 Ctr Ctr 0.75

ROBBINS ENGINEERING, INC.

REPORT: NER 691

PLATING CONFORMS TO TPI.

Plates for each ply each face.

Shear // Grain in A - B 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

Jt Type Plt Size X Y JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.58

B LOCK 1.0x 3.0 Ctr Ctr 0.75

C LOCK 1.0x 3.0 Ctr Ctr 0.75

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:

ANSI/TPI 95 & 02

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

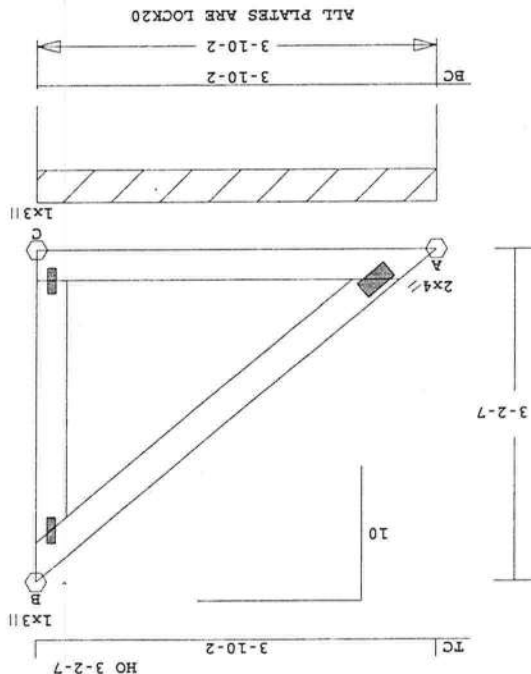
Wind-Force Resistance System.

Wind Speed: 110 mph



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

Job	Mark	Quan	Type	Span	Pl-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	V5	1	VLM.SB	31002	10	0	0	T05101425
U# J#PARNELL-PARNELL PARNELL								



Scale: 0.557" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.6 LBS

C - B 0.01 91 C Windld

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 91 Lbs

Quality Control Factor 1.25

Online Plus -- Version 18.0.014
RUN DATE: 17-OCT-05

CSI - Size - Lumber -

TC 0.10 2x 4 SP-#2
BC 0.06 2x 4 SP-#2
GW 0.01 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Conf. 0-0-0 3-10-2
BC Conf. 0-0-0 3-10-2

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 TL Load Case(s)

It React Uplift Size Req'd
Lbs Lbs In-Sk In-Sk
Cont. Brg 0-0-0 to 3-10-2
275 37 Hz = 88

Member CSI P Lbs Axl-CSI-Bnd
A-B 0.10 51 C 0.00 0.10
A-C 0.06 0 T 0.00 0.06
Gable Webs-----

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
ANSI/TPI 95 & 02
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

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

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 0.58
B LOCK 1.0x 3.0 Ctr Ctr 0.75
C LOCK 1.0x 3.0 Ctr Ctr 0.75

PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.

TL Defl -0.01" in A - C L/999
TL Defl 0.00" in A - C L/999
Shear // Grain in A - B 0.09

C - B 0.01 91 C Windld

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.6 LBS

ALL PLATES ARE LOCK20

3-10-2

3-10-2

1x311

2x4

10

3-2-7

TC

3-10-2

1x311

HO 3-2-7

3-10-2

3-10-2

3-10-2

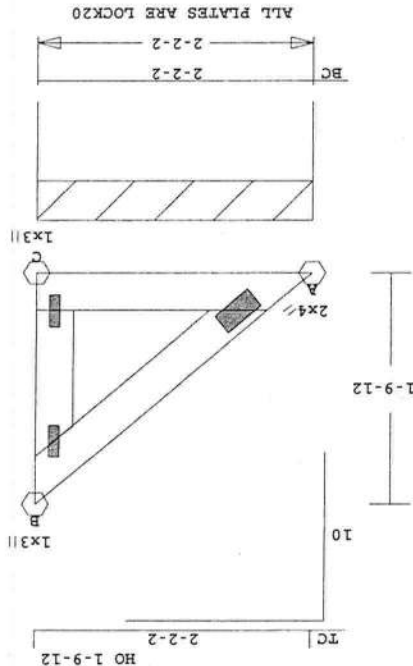


Truss Design Engineer: Philip O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Sealed: 10/17/2005

Robbins Engineering, Inc./Online Plus™ @ 1996-2005 Version 18.0.014 Engineering - Portal 10/17/2005 8:31:07 AM Page 1

Job	Mark	Quan	Type	Spar	Pl-HI	Left OH	Right OH	Engineering
PARNELL-PARNELL	V6	1	VIM.SB	20202	10	0	0	T05101425
U# J#PARNELL-PARNELL PARNELL								



Scale: 0.683" = 1'

Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 10.8 LBS

C - B 0.00 45 C Windld

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 45 lbs
Quality Control Factor 1.25

TL Defl 0.00" in A - C L/999
Shear // Grain in A - B 0.04
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 2.0x 4.0 Ctr 0.58
B LOCK 1.0x 3.0 Ctr 0.75
C LOCK 1.0x 3.0 Ctr 0.75

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
ANSI/TPI 95 & 02

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

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main

Wind-Force Resistance System.
Wind Speed: 110 mph

Online Plus -- Version 18.0.014
RUN DATE: 17-OCT-05

CSI - Size - Lumber -

TC 0.01 2x 4 SP-#2
BC 0.01 2x 4 SP-#2
GW 0.00 2x 4 SP-#2

Brace truss as follows:

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

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 LT Load Case(s)

Ut React Uplift Size Req'd
Lbs In-Sx In-Sx
Cont. Brg 0-0-0 to 2-2-2
142 19 Hz = 45

Member CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A - B 0.01 27 C 0.00 0.01
-----Bottom Chords-----
A - C 0.01 0 T 0.00 0.01
-----Gable Webs-----



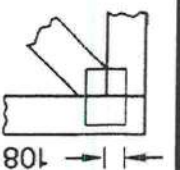
Truss Design Engineer: Philip O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

Date Scaled: 10/17/2005

Robbins Engineering, Inc./Online Plus" @ 1996-2005 Version 18.0.014 Engineering - Portal: 10/17/2005 8:31:04 AM Page 1

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

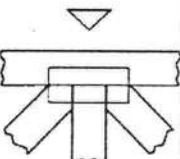
1x4 continuous lateral bracing attached with (2) 8d nails each member where indicated or 2x4 "T" or "L" brace stiffener if applicable nailed flat to edge of web with 12d nails spaced 8" o.c. "T" or "L" brace must be extended at least 90% of web length.

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.



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

CORPORATE HEADQUARTERS

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004
WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 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 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF

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** ☒ **Applicant**

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 106.1). 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

Plans or specifications must state compliance with FBC Section 1609.

The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
- b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
- e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) 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	☒	☒
Floor Plan including:		
a) Rooms labeled and dimensioned.	☒	☒
b) Shear walls identified.	☒	☒
c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms).	☒	☒
d) Show safety glazing of glass, where required by code.	☒	☒
e) Identify egress windows in bedrooms, and size.	☒	☒
f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type).	☒	☒
g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.	☒	☒
h) 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 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with	☒	☒
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 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with	☒	☒
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 106.1.1.2) 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 (termite or alternative method)	☒	☒
10. Slab on grade	☒	☒
a. Vapor retarder (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	☒	☒

5-22-22

c. Crawl space (if applicable)

b) Wood frame wall

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 (FBC 106.1.1.2) 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
- a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
- b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC Information

- a) Energy Calculations (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

***Notice Of Commencement Required Before Any Inspections Will Be Done

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

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. If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Silverline	Vinyl Insulated	PI 101-52
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Hardi-Plank	Hardi Plank	FL 325
2. Soffits	Keykat	vented soffit	FL 49
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	GAF	30 yr Roof	FL 183-121
2. Underlayments	GAF	30 yr Felt	FL 183-121
3. Roofing Fasteners			FL 1974
4. Non-structural Metal Rt			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Location

Contractor or Contractor's Authorized Agent Signature
 2849 SW Daisy Rd Fort White FL

Permit # (FOR STAFF USE ONLY)

Print Name

Date

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

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson		F/126
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

Residential System Sizing Calculation

Summary

Parnell
 , FL
 507084 Parnell Residence
 Project Title:
 Class 3 Rating
 Registration No. 0
 Climate: North

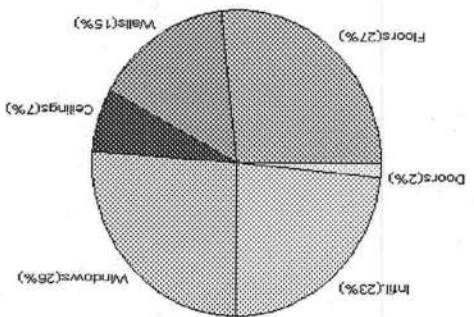
2/15/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation		Total cooling load calculation	
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
124.0	49000	168.5	49000
Heat Pump + Auxiliary(0.0kW)	124.0	Latent	0.0
Total (Electric Heat Pump)	124.0	Total (Electric Heat Pump)	142.0
49000		49000	

WINTER CALCULATIONS

Winter Heating Load (for 2271 sqft)

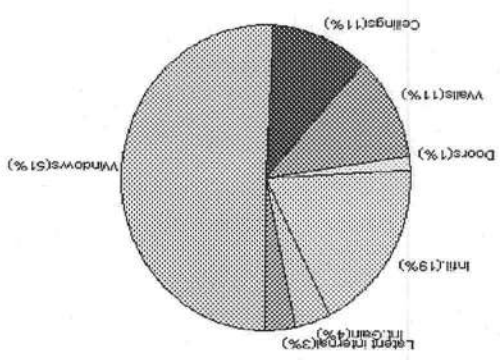
Load component					
Window total	325	sqft	10462	Btuh	
Wall total	1821	sqft	5980	Btuh	
Door total	50	sqft	648	Btuh	
Ceiling total	2271	sqft	2676	Btuh	
Floor total	244	sqft	10653	Btuh	
Infiltration	225	cfm	9107	Btuh	
Duct loss			0	Btuh	
Subtotal			39526	Btuh	
Ventilation	0	cfm	0	Btuh	
TOTAL HEAT LOSS			39526	Btuh	



SUMMER CALCULATIONS

Summer Cooling Load (for 2271 sqft)

Load component					
Window total	325	sqft	17495	Btuh	
Wall total	1821	sqft	3798	Btuh	
Door total	50	sqft	490	Btuh	
Ceiling total	2271	sqft	3761	Btuh	
Floor total			0	Btuh	
Infiltration	116	cfm	2156	Btuh	
Internal gain			1380	Btuh	
Duct gain			0	Btuh	
Sens. Ventilation	0	cfm	0	Btuh	
Total sensible gain			29080	Btuh	
Latent gain(ducts)			0	Btuh	
Latent gain(infiltration)			4233	Btuh	
Latent gain(ventilation)			0	Btuh	
Latent gain(internal/occupants/other)			1200	Btuh	
Total latent gain			5433	Btuh	
TOTAL HEAT GAIN			34513	Btuh	



EnergyGauge® System Sizing
 PREPARED BY: *[Signature]*
 DATE: 2-15-06
 EnergyGauge® FLR2PB v4.1

For Florida residences only



EnergyGauge® FLR2PB v4.1

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Parrell
FL

Project Title:
507084ParrellResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

2/15/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	75.0		32.2	2414 Btuh
2	2, Clear, Metal, 0.87	W	12.0		32.2	386 Btuh
3	2, Clear, Metal, 0.87	NW	30.0		32.2	966 Btuh
4	2, Clear, Metal, 0.87	N	12.0		32.2	386 Btuh
5	2, Clear, Metal, 0.87	SW	10.0		32.2	322 Btuh
6	2, Clear, Metal, 0.87	NE	30.0		32.2	966 Btuh
7	2, Clear, Metal, 0.87	NE	3.0		32.2	97 Btuh
8	2, Clear, Metal, 0.87	SE	15.0		32.2	483 Btuh
9	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
10	2, Clear, Metal, 0.87	SW	60.0		32.2	1931 Btuh
11	2, Clear, Metal, 0.87	SW	18.0		32.2	579 Btuh
12	2, Clear, Metal, 0.87	NE	15.0		32.2	483 Btuh
13	2, Clear, Metal, 0.87	SE	15.0		32.2	483 Btuh
Window Total						
325(sqft)						
1	Type	R-Value	Area X	HTM=	Load	5980 Btuh
1	Frame - Wood - Ext(0.09)	13.0	1821	3.3	5980 Btuh	5980 Btuh
Wall Total						
1821						
Doors	Type	Area X	HTM=	Load	648Btuh	
1	Insulated - Adjacent	20	12.9	259 Btuh	259 Btuh	
2	Insulated - Exterior	20	12.9	259 Btuh	259 Btuh	
3	Insulated - Exterior	10	12.9	130 Btuh	130 Btuh	
Door Total						
50						
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load	2676 Btuh
1	Vented Attic/D/Shin)	30.0	2271	1.2	2676 Btuh	2676 Btuh
Ceiling Total						
2271						
Floors	Type	R-Value	Size X	HTM=	Load	10653 Btuh
1	Slab On Grade	0	244.0 ft(p)	43.7	10653 Btuh	10653 Btuh
Floor Total						
244						
Zone Envelope Subtotal:						
30419 Btuh						
Infiltration	Type	ACH X	Zone Volume	CFM=	9107 Btuh	9107 Btuh
Natural						
0.66 20439						
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)					
(DLM of 0.00)						
0 Btuh						
Zone #1	Sensible Zone Subtotal					
39526 Btuh						

Manual J Winter Calculations

Residential Load - Component Details (continued)

Parnell
, FL

Project Title:
507084aParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

WHOLE HOUSE TOTALS

Subtotal Sensible Ventilation Sensible	39526 Btuh
Total Btuh Loss	39526 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 J Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Parnell
FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

2/15/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	75.0	32.2	2414 Btuh	
2	2, Clear, Metal, 0.87	W	12.0	32.2	386 Btuh	
3	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh	
4	2, Clear, Metal, 0.87	N	12.0	32.2	386 Btuh	
5	2, Clear, Metal, 0.87	SW	10.0	32.2	322 Btuh	
6	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh	
7	2, Clear, Metal, 0.87	NE	3.0	32.2	97 Btuh	
8	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh	
9	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh	
10	2, Clear, Metal, 0.87	SW	60.0	32.2	1931 Btuh	
11	2, Clear, Metal, 0.87	SW	18.0	32.2	579 Btuh	
12	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh	
13	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh	
Window Total			325(sqft)			10462 Btuh
1	Type	R-Value	Area X	HTM=	Load	5980 Btuh
1	Frame - Wood - Ext(0.09)	13.0	1821	3.3	5980 Btuh	
Wall Total			1821			5980 Btuh
Doors	Type	Area X	HTM=	Load		
1	Insulated - Adjacent	20	12.9	259 Btuh		
2	Insulated - Exterior	20	12.9	259 Btuh		
3	Insulated - Exterior	10	12.9	130 Btuh		
Door Total			50			648Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load	
1	Vented Attic/D/Shin)	30.0	2271	1.2	2676 Btuh	
Ceiling Total			2271			2676Btuh
Floors	Type	R-Value	Size X	HTM=	Load	
1	Slab On Grade	0	244.0 ft(p)	43.7	10653 Btuh	
Floor Total			244			10653 Btuh
Zone Envelope Subtotal:						
	Type	ACH X	Zone Volume	CFM=	9107 Btuh	
Unsealed, R6.0, Supply(Attic), Return(Attic)						
(DLM of 0.00)						
Ductload						0 Btuh
Zone #1	Sensible Zone Subtotal					39526 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Parnell
FL

Project Title:
507084aParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

WHOLE HOUSE TOTALS

Subtotal Sensible Ventilation Sensible	39526 Btuh
Total Btuh Loss	39526 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 J Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Parnell
, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

2/15/2006

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*	Pn/SHGC/U/Insh/Exsh/IS	Ornt	Len	Hgt	Overhang	Window Area(sqft)	HTM	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	75.0	0.0	75.0	29	4503 Btuh
2	2, Clear, 0.87, None,N,N	W	6ft.	7ft.	12.0	8.0	4.0	29	552 Btuh
3	2, Clear, 0.87, None,N,N	NW	3.5ft.	7ft.	30.0	0.0	30.0	29	1801 Btuh
4	2, Clear, 0.87, None,N,N	N	6.5ft.	7ft.	12.0	0.0	12.0	29	348 Btuh
5	2, Clear, 0.87, None,N,N	SW	99ft.	5ft.	10.0	0.0	10.0	29	290 Btuh
6	2, Clear, 0.87, None,N,N	NE	0ft.	0ft.	30.0	0.0	30.0	29	1801 Btuh
7	2, Clear, 0.87, None,N,N	NE	0ft.	0ft.	3.0	0.0	3.0	29	180 Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	7ft.	15.0	1.6	13.4	29	885 Btuh
9	2, Clear, 0.87, None,N,N	SE	4ft.	7ft.	30.0	28.4	1.6	29	924 Btuh
10	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	60.0	0.0	60.0	29	3752 Btuh
11	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	18.0	0.0	18.0	29	1126 Btuh
12	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	15.0	0.0	15.0	29	901 Btuh
13	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	15.0	15.0	0.0	29	434 Btuh
Window Total									
R-Value/U-Value Area(sqft) 1821.0 13.0/0.09 1821 (sqft)									
HTM 2.1									
Load 3798 Btuh									
Doors	Type	Area (sqft)							
1	Insulated - Adjacent	20.0							
2	Insulated - Exterior	20.0							
3	Insulated - Exterior	10.0							
Door Total									
Type/Color/Surface Area(sqft) 50 (sqft)									
Ceilings	Type/Color/Surface	Area(sqft)							
1	Vented Attic/DarkShingle	2271.0							
Ceiling Total									
R-Value 30.0									
Floors	Type	Size							
1	Slab On Grade	244 (ft(p))							
Floor Total									
R-Value 0.0									
244.0 (sqft)									
HTM 0.0									
Load 0 Btuh									
Zone Envelope Subtotal:									
25545 Btuh									
Infiltration	Type	ACH							
	SensibleNatural	0.34							
Internal gain	Occupants	6							
	Btuh/occupant	230							
	Appliance	0							
	Load	2156 Btuh							
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00							
	Load	0.0 Btuh							
Sensible Zone Load									
29080 Btuh									

Manual J Summer Calculations

Residential Load - Component Details (continued)

Parnell
FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

2/15/2006

WHOLE HOUSE TOTALS

Whole House		Totals for Cooling	
Sensible Envelope Load All Zones	29080 Btuh	Sensible Duct Load	0 Btuh
Total Sensible Zone Loads	29080 Btuh	Sensible ventilation	0 Btuh
Blower	0 Btuh	Total sensible gain	29080 Btuh
Latent infiltration gain (for 54 gr. humidity difference)	4233 Btuh	Latent ventilation gain	0 Btuh
Latent duct gain	0 Btuh	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
Latent other gain	0 Btuh	Latent total gain	5433 Btuh
TOTAL GAIN	34513 Btuh		

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(EXSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only



System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Parnell
FL

Project Title:
507084aParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

2/15/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Len	Hgt	Window Area(sqft)	HTM	Load	
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	75.0	29	4503 Btuh	
2	2, Clear, 0.87, None,N,N	W	6ft.	7ft.	12.0	29	552 Btuh	
3	2, Clear, 0.87, None,N,N	NW	3.5ft.	7ft.	30.0	29	1801 Btuh	
4	2, Clear, 0.87, None,N,N	N	6.5ft.	7ft.	12.0	29	348 Btuh	
5	2, Clear, 0.87, None,N,N	SW	99ft.	5ft.	10.0	29	290 Btuh	
6	2, Clear, 0.87, None,N,N	NE	0ft.	0ft.	30.0	29	1801 Btuh	
7	2, Clear, 0.87, None,N,N	NE	0ft.	0ft.	3.0	29	180 Btuh	
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	7ft.	15.0	29	885 Btuh	
9	2, Clear, 0.87, None,N,N	SE	4ft.	7ft.	30.0	29	924 Btuh	
10	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	60.0	29	3752 Btuh	
11	2, Clear, 0.87, None,N,N	SW	0ft.	0ft.	18.0	29	1126 Btuh	
12	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	15.0	29	901 Btuh	
13	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	15.0	29	434 Btuh	
Window Total					325 (sqft)		17495 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM	Load	
	Frame - Wood - Ext	13.0/0.09		1821.0		2.1	3798 Btuh	
	Wall Total			1821 (sqft)			3798 Btuh	
	Type	Area (sqft)		HTM		Load		
Doors	Type	Area (sqft)		HTM		Load		
	Insulated - Adjacent	20.0		9.8		196 Btuh		
	Insulated - Exterior	20.0		9.8		196 Btuh		
	Insulated - Exterior	10.0		9.8		98 Btuh		
Door Total					50 (sqft)		490 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM	Load	
	Vented Attic/DarkShingle	30.0		2271.0		1.7	3761 Btuh	
Ceiling Total					2271 (sqft)		3761 Btuh	
Floors	Type	R-Value		Size		HTM	Load	
	Slab On Grade	0.0		244 (ft(p))		0.0	0 Btuh	
Floor Total					244.0 (sqft)		0 Btuh	
Zone Envelope Subtotal:							25545 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=	Load	
	SensibleNatural	0.34		20439		115.8	2156 Btuh	
Internal gain	Occupants	6		Btuh/occupant		Appliance	Load	
		X		230		0	1380 Btuh	
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							0.0 Btuh
Sensible Zone Load							29080 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Parnell
, FL

Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North

2/15/2006

WHOLE HOUSE TOTALS

Whole House		Totals for Cooling
Sensible Envelope Load All Zones	29080 Btuh	
Sensible Duct Load	0 Btuh	
Total Sensible Zone Loads	29080 Btuh	
Sensible ventilation	0 Btuh	
Blower	0 Btuh	
Total sensible gain	29080 Btuh	
Latent infiltration gain (for 54 gr. humidity difference)	4233 Btuh	
Latent ventilation gain	0 Btuh	
Latent duct gain	0 Btuh	
Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh	
Latent other gain	0 Btuh	
Latent total gain	5433 Btuh	
TOTAL GAIN	34513 Btuh	

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(EXSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

Parnell
FL

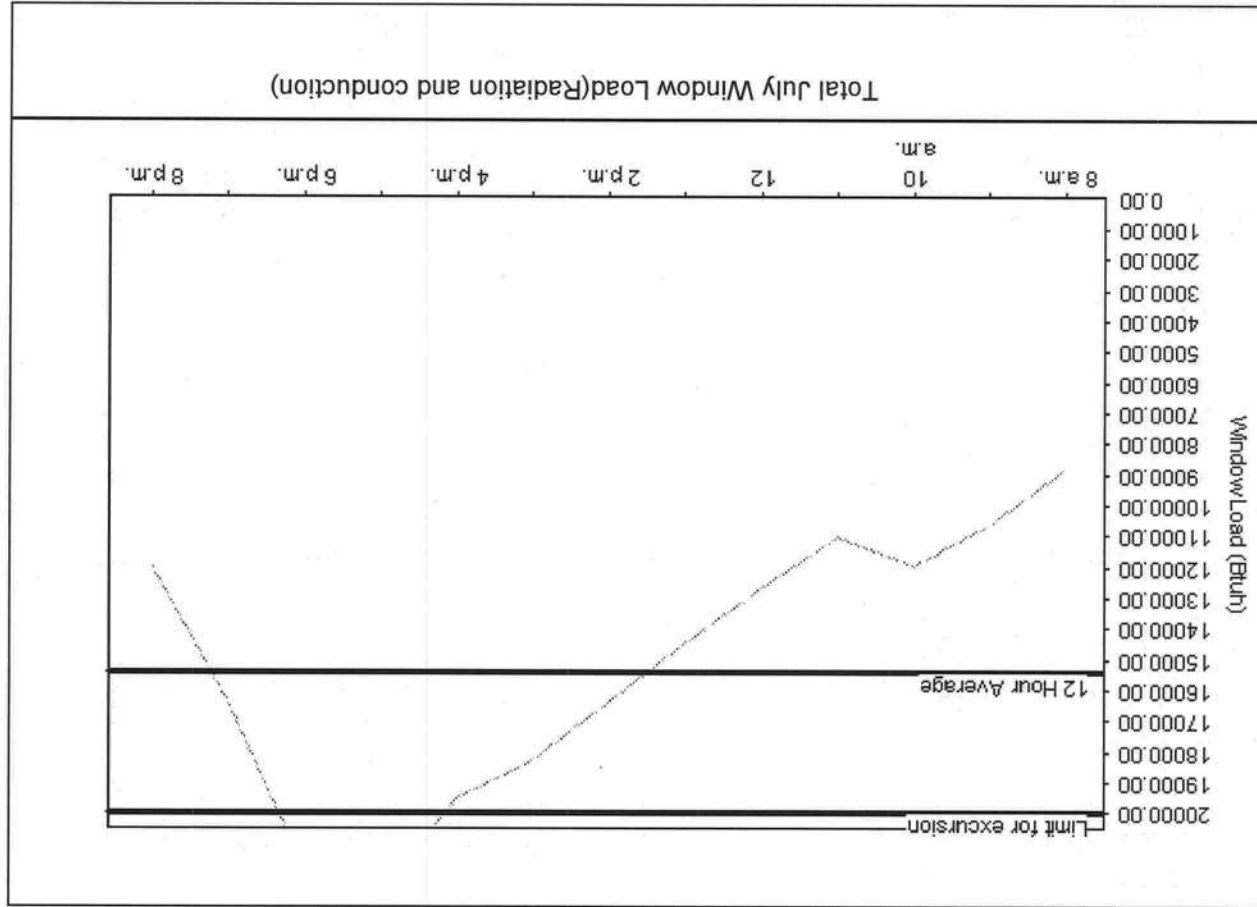
MidSummer
Project Title:
507084ParnellResidence

Class 3 Rating
Registration No. 0
Climate: North
2/15/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	15380 Btu
Summer setpoint	75 F	Peak window load for July	22755 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	19994 Btu
Latitude	29 North	Window excursion (July)	2761 Btu/h

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: *[Signature]*
DATE: 2-15-06

EnergyGauge® FLR2PB v4.1



OCURANCY

Department of Building and Zoning Inspection

Parcel Number 36-5S-15-00488-026

Building permit No. 000023906

Use Classification SFD/UTILITY

Fire: 0.00

Permit Holder **ROBERT W. PARNELL**

Waste:

Owner of Building **ROBERT & BRENDA PARNELL**

Total: 0.00

Location: **2879 SW DAISY RD(SPRING HILLS,LOT 1)**

Date: 09/19/2006

Building Inspector



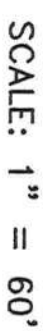
POST IN A CONSPICUOUS PLACE
(Business Places Only)

RANGE 15 EAST,
COLUMBIA COUNTY, FLORIDA.

COLUMBIA COUNTY, FLORIDA.

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY.

- SYMBOL LEGEND:
- | | |
|-----|-------------------------------|
| ■ | 4'X4' CONCRETE MONUMENT FOUND |
| □ | 4'X4' CONCRETE MONUMENT SET |
| ● | IRON PIPE FOUND |
| ○ | IRON PIN AND CAP SET |
| ⊕ | POWER POLE |
| ▲ | WATER METER |
| ℄ | CENTERLINE |
| * | WELL |
| ④ | SATELLITE DISH |
| ⑤ | TELEPHONE BOX |
| —E— | ELECTRIC LINES |
| —X— | WIRE FENCE |
| —Φ— | CHAIN LINK FENCE |
| —#— | WOODEN FENCE |



DESCRIPTION:
LOT 1 & 4 IN BLOCK B OF 'SPRING HILLS' AS PER PLAT THEREOF RECORDED IN PLAT BOOK 4, PAGES 33 & 33A OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

BRENDA PARNELL

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

08/10/05
FIELD SURVEY DATE

08/12/05
DRAWING DATE

~~U SCOTT BRIDGES, P.S.A.~~

FIELD BOOK: 278 PAGE(S): 61



BRITT SURVEYING

LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-16373

Notice of Prevention for Subterranean Termites
(As required by Florida Building Code (FBC) 104.2.6)



Live Oak
PEST CONTROL, INC.

A locally owned
company serving
you since 1972

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

Permit # 23906 Ft. White

Robt. Parnell 2F29 Sun-Daisy Rd

Address of Treatment or Lot/Block of Treatment

1-11-06

Date

11:40 A.M.

Time

Larry M

Applicator

Pravail

Product Used

Cypermethrin

Chemical used (active ingredient)

384

Number of gallons applied

2590

Percent Concentration

2425

Area treated (square feet)

224

Linear feet treated

Horizontal & Vertical

Stage of treatment (Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

As per 104.2.6 - If soil chemical barrier method for Subterranean 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 and date this line. _____