Columbia County Building Permit Application C/C# 196

Revised 9-23-04

For Office Use Only Application # 0701-17 Date Received 1/5/07 By G Permit # 25438

Application Approved by - Zoning Official BLK Date 1.10.07 Plans Examiner OK TH Date 1-18-07

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

Applicants Name Richard McDonald Phone 561-745-4736

Address 1445 Jupiter Park Dr. Ste. 11, Jupiter FL 33458

Owners Name Jimmy Walker (Plantation at Deer Creek LLC) Phone 561-718-9828

911 Address 2508 NW Cansa Rd Lake City FL 32055

Contractors Name Richard McDonald Const. Co. Phone 561-745-4736

Address SAME AS ABOVE

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Will Myers / Nick Geisler

Mortgage Lenders Name & Address NA

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

Property ID Number 31-1S-17-04689-000 Estimated Cost of Construction 200 K

Subdivision Name Lot Block Unit Phase

Driving Directions Hwy 441 N, Turn L on NW Spradley, Turn L on NW Cansa Road (River Road) Lot down on R

Type of Construction SFD Number of Existing Dwellings on Property 2 out buildings

Total Acreage 33 ac. Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 170' Side 75' Side 2000' Rear 180'

Total Building Height 17'-1" Number of Stories 1 Heated Floor Area 1424 TOTAL 2493 Roof Pitch 6-12

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CBCO 43529

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 19th day of December 2006.

Personally known ✓ or Produced Identification

Notary Signature

NOTARY PUBLIC-STATE OF FLORIDA
Nancy Jo Barrow
Commission # DD560240
Expires: JUNE 05, 2010
BONDED THRU ATLANTIC BONDING CO., INC.

Prepared by & return to:
North Florida Permit Service
387 SW Kempt
Lake City FL 32024

Inst:2006030011 Date:12/21/2006 Time:16:24
D.C.,P.DeWitt Cason,Columbia County B:1105 P:1733

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, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: (legal description of property, and street address if available) 31-1S-17-04609-000
2508 NW Cansa Rd Lake City FL 32055
2. General description of improvement: Single family dwelling
3. Owner information:
   a. Name and address: Jimmy Walker of Deep Creek Plantation LLC
   4801 Dyer Blvd West Palm Beach FL 33407
   b. Interest in property: homesite
   c. Name and address of fee simple titleholder (if other than owner): NA
4. Contractor: (name and address) Richard McDonald Construction Co.
   1445 Jupiter Park Dr Suite 11 Jupiter, FL 33458
   a. Phone number: 561-745-4736
5. Surety: a. Name and address: NA
   b. Phone number: _____ c. Amount of bond $ _____
6. Lender: (name and address): NA
   a. Phone number: _____
7. Persons with the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes: (name and address): NA
8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (name and address) NA
9. Expiration date of notice of commencement (the expiration date is one (1) year from the date of recording unless a different date is specified) _____

This Space for Clerk's Use Only

X _____
(signature of owner)

Sworn to and subscribed before me
this 19th day of December, 2006

_____
NOTARY PUBLIC

NOTARY PUBLIC-STATE OF FLORIDA
Nancy Jo Barrow
Commission # DD560240
Expires: JUNE 05, 2010
BONDED THRU ATLANTIC BONDING CO., INC.

12/19/2006 08:16 3867522282 LINDA RODER PAGE 03

Inst:2004016738 Date:07/20/2004 Time:16:06
Doc Stamp-Deed : 1225.00
DC,P.DeWitt Cason,Columbia County B:1021 P:826

Prepared by:
Alan I. Armour II, Esquire
Nason, Yeager, Gerson, White & Lioce, P.A.
1645 Palm Beach Lakes Boulevard, Suite 1200
West Palm Beach, Florida 33401

WARRANTY DEED
(STATUTORY FORM - SECTION 689.02, F.S.)

THIS INDENTURE, made this 1st day of July, 2004, between ROBERT E. NEWELL, as Trustee of the ROBERT E. NEWELL FAMILY TRUST, of the County of Columbia, State of Florida, hereinafter referred to as "Grantor", and PLANTATION AT DEEP CREEK, LLC, a Florida limited liability company, whose address is 4801 Dyer Boulevard, West Palm Beach, Florida 33407, hereinafter referred to as "Grantee".

WITNESSETH:

That said Grantor, for and in consideration of the sum of Ten and 00/100 ($10.00) Dollars, and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee, and Grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

See attached Exhibit "A"

SAID PROPERTY IS NOT THE HOMESTEAD OF THE GRANTOR UNDER THE LAWS AND CONSTITUTION OF THE STATE OF FLORIDA IN THAT NEITHER GRANTOR OR ANY FAMILY MEMBERS OF THE HOMESTEAD OF THE GRANTOR RESIDE THEREON.

and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

Inst:2004016738 Date:07/20/2004 Time:16:06
Doc Stamp-Deed : 1225.00
DC,P.DeWitt Cason,Columbia County B:1021 P:027

IN WITNESS WHEREOF, Grantor has hereunto set Grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

(Print) Margaret M. Patton

(Print) John D. McHaffey Jr.

GRANTOR:
ROBERT E. NEWELL FAMILY TRUST

Robert E. Newell

Robert E. Newell, its Trustee

STATE OF FLORIDA)
) SS:
COUNTY OF Escambia)

The foregoing Warranty Deed was acknowledged before me this 6th day of July, 2004, by Robert E. Newell, as Trustee of the Robert E. Newell Family Trust, on behalf of the Trust, ( ) who is personally known to me OR ( ) who produced _____ as identification.

Notary Signature

John D. McHaffey Jr.
Print Notary Name

NOTARY PUBLIC
State of Florida at Large

My Commission Expires:

John D McHaffey Jr
My Commission DD111282
Expires April 22, 2008

H:\980\15946\Docs\GeneralWarrantyDeedNewellTrust DJA/sam-ck

Inst:2004016738 Date:07/20/2004 Time:16:06
Doc Stamp-Deed : 1225.00
_____DC,P.DeWitt Cason,Columbia County B:1021 P:828

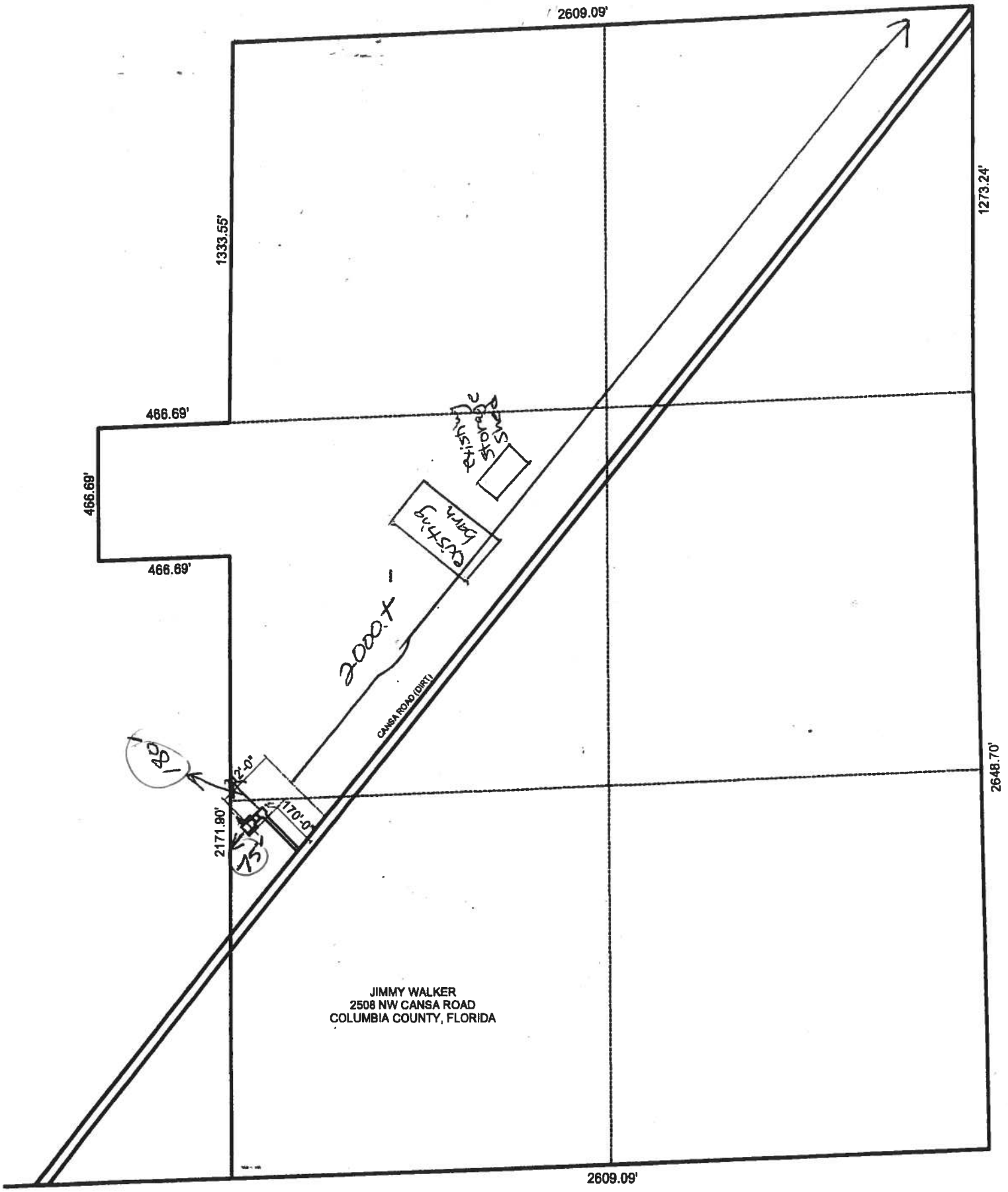
LEGAL DESCRIPTION

Begin at the Northeast corner of the Northwest 1/4 of the Northeast 1/4 of Section 31, Township 1 South, Range 17 East, Columbia County, Florida and run thence South 00 degrees 44 minutes 07 seconds East along the East line of said Northwest 1/4 of the Northeast 1/4, 211.52 feet to the Northwesterly County Maintained right of way of NW Cansa Road; thence Southwesterly, along said Northwesterly right of way, 1602.71 feet; thence North 61 degrees 07 minutes 42 seconds west, 353.29 feet to the West line of said Northwest 1/4 of the Northeast 1/4; thence North 00 degrees 04 minutes 57 seconds West along said West line, 778.72 feet; thence South 87 degrees 43 minutes 31 seconds West, 466.69 feet; thence North 00 degrees 04 minutes 50 seconds West 466.69 feet to the North line of said Section 31; thence North 87 degrees 43 minutes 31 seconds East, along said North line, 466.69 feet to the West line of the Southwest 1/4 of the Southeast 1/4 of Section 30, Township 1 South, Range 17 East; thence North 00 degrees 32 minutes 57 seconds West along said West line, 1333.55 feet to the North line of said Southwest 1/4 of the Southeast 1/4; thence North 87 degrees 14 minutes 49 seconds East, along said North line 1304.80 feet to the East line of said Southwest 1/4 of the Southeast 1/4; thence South 00 degrees 32 minutes 02 seconds East, along said East line, 1344.83 feet to the Point of Beginning.

LESS AND EXCEPT ANY PORTION OF CAPTIONED PROPERTY LYING WITHIN THE FOLLOWING DESCRIBED PROPERTY, AS EVIDENCED BY THE DEED RECORDED IN O. R. BOOK 213, PAGE 308, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA:

Two acres of land situated in the Northeast corner of the Northwest 1/4 of the Northeast 1/4 as lies next to the Blunts Ferry Road, in Section 31, Township 1 South, Range 17 East, Columbia County, Florida.

Exhibit "A"


2609.09'
1333.55'
1273.24'
466.69'
466.69'
466.69'
Existing Storage
Existing Barn
2000.+
CANSA ROAD (DIRT)
45'
12'-0"
170'-0"
2171.90'
75'
2648.70'
JIMMY WALKER
2508 NW CANSA ROAD
COLUMBIA COUNTY, FLORIDA
2609.09'

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

RICHMCD-01 LONN

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/12/2006

PRODUCER (561) 655-5500

Acordia West Palm Beach
501 South Flagler Drive, Suite 600
West Palm Beach, FL 33401-5914

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED Richard McDonald Construction Co.
1445 Jupiter Park Dr. Ste 11
Jupiter, FL 33458

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: FCCI Insurance Company	02952
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COPY

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☐ OCCUR ☐ ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC				EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $
		AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS ☐ ☐				COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
		GARAGE LIABILITY ☐ ANY AUTO ☐				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	$ $ $
		EXCESS/UMBRELLA LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION $				EACH OCCURRENCE AGGREGATE	$ $ $ $ $
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	001-WC06A-45353	3/1/2006	3/1/2007	X WC STATU-TORY LIMITS ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 100,000 $ 100,000 $ 500,000
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Fax-658-8038

CERTIFICATE HOLDER

Columbia County
Building & Zoning Dept.
PO BOX 1529
Lake City, FL 32056-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE C. Ray [signature]

STATE OF FLORIDA AC# 2637757
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CBC043529 06/29/06 058098481

CERTIFIED BUILDING CONTRACTOR
MCDONALD, JAMES RICHARD
RICHARD MCDONALD CONSTRUCTION CO

IS CERTIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2008 L06062900741.

STATE OF FLORIDA AC# 2118147
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB0020214 08/08/05 050112116

QUALIFIED BUSINESS ORGANIZATION
RICHARD MCDONALD CONSTRUCTION CO

(NOT A LICENSE TO PERFORM WORK. ALLOWS COMPANY TO DO BUSINESS IF IT HAS A LICENSED QUALIFIER.)
IS QUALIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2007 L05080800619

AC# 2637757

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06062900741

DATE	BATCH NUMBER	LICENSE NBR
06/29/2006	058098481	CBC043529

The BUILDING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

MCDONALD, JAMES RICHARD
RICHARD MCDONALD CONSTRUCTION CO INC
15199 86TH ROAD NORTH
LOXAHATCHEE FL 33470

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

AC# 2118147

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L05080800619

DATE	BATCH NUMBER	LICENSE NBR
08/08/2005	050112116	QB0020214

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2007
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

RICHARD MCDONALD CONSTRUCTION CO INC
1445 JUPITER PARK DR STE 11
JUPITER FL 33458

JEB BUSH
GOVERNOR

DIANE CARR
SECRETARY

DISPLAY AS REQUIRED BY LAW

ACORD. CERTIFICATE OF LIABILITY INSURANCE

OP ID TB MCDON-4 | DATE (MM/DD/YYYY) 12/12/06

PRODUCER

Massey, Clark, Fischer, Inc.
400 Executive Ctr Dr, Ste 205
West Palm Beach FL 33401
Phone: 561-478-1660 Fax:561-478-6876

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

Richard McDonald Construction
Jo Barrow
1445 Jupiter Park Dr. #11
Jupiter FL 33458

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Mid-Continent Casualty Company	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC	04GL000631382	05/15/06	05/15/07	EACH OCCURRENCE	$ 1000000
						DAMAGE TO RENTED PREMISES (Ea occurence)	$ 100000
						MED EXP (Any one person)	$ Excluded
						PERSONAL & ADV INJURY	$ 1000000
						GENERAL AGGREGATE	$ 2000000
						PRODUCTS - COMP/OP AGG	$ 2000000
		AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE	$
						AGGREGATE	$
							$
							$
							$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS / OTH-ER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Residential General Contractor

CERTIFICATE HOLDER

COLUMB4

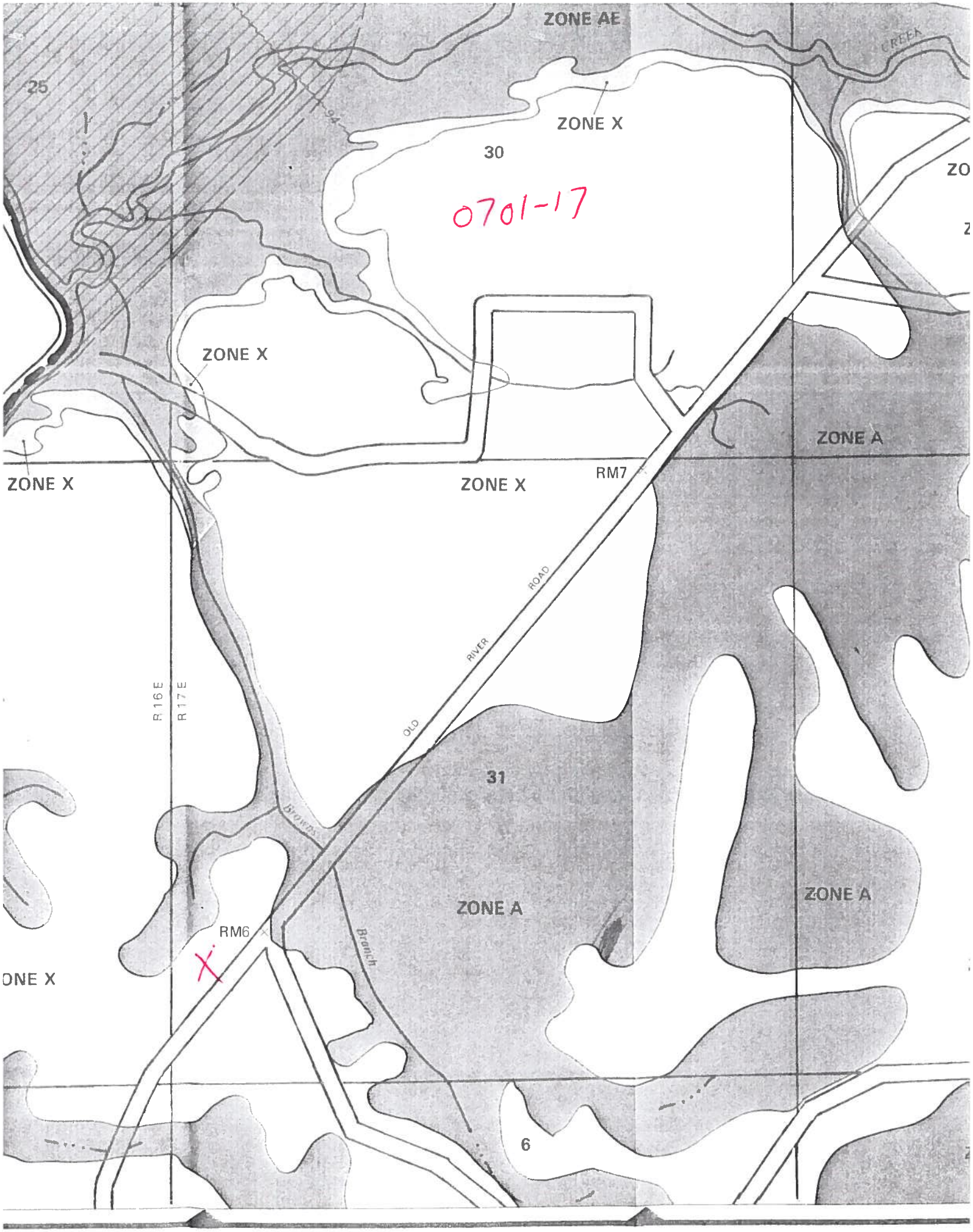
Columbia County Building &
Zoning Department
Po Box 1529
Lake City FL 32056

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

J. Michael Massey

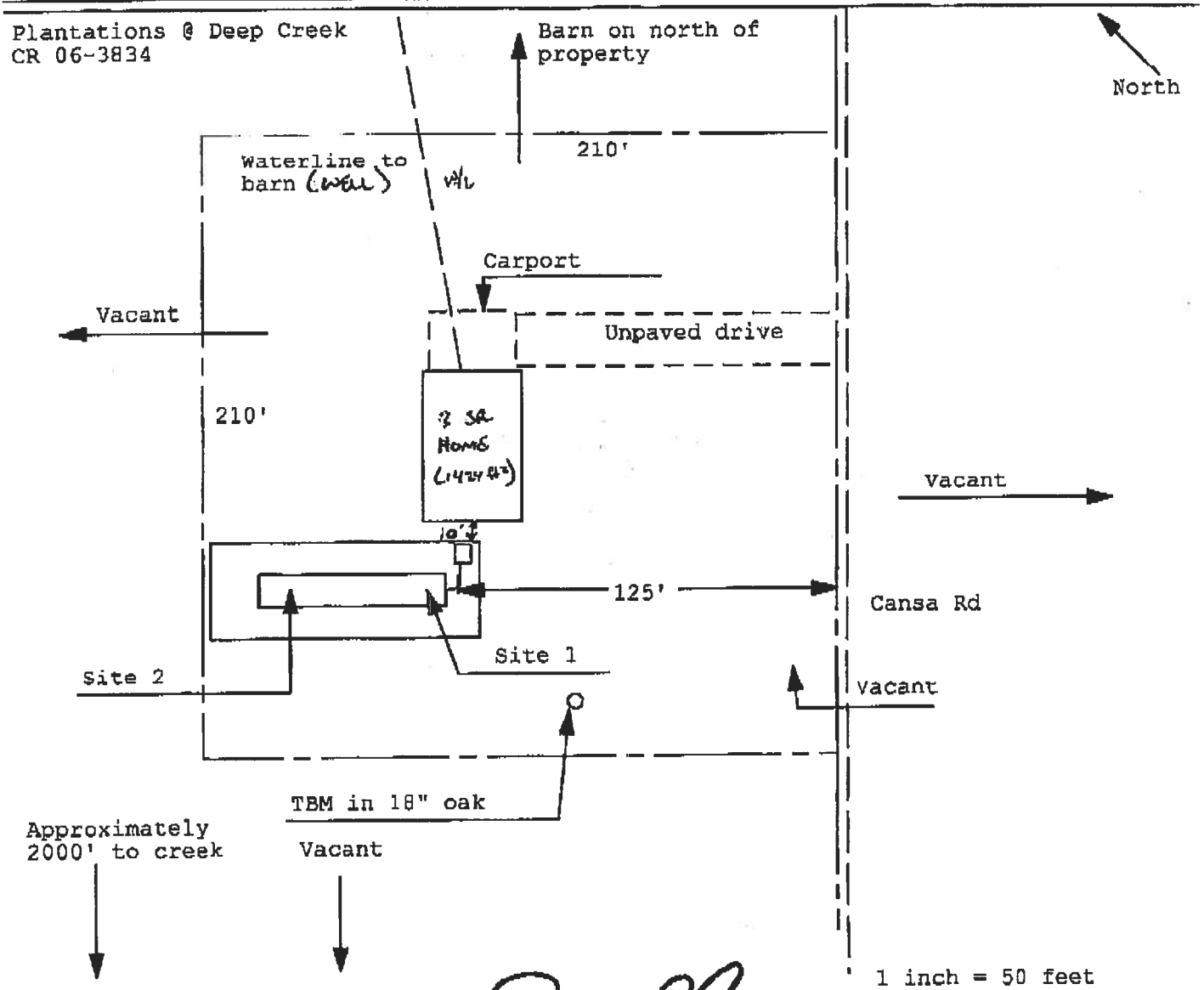

ZONE AE
25
ZONE X
30
0701-17
ZONE X
ZONE A
ZONE X
ZONE X
RM7
OLD RIVER ROAD
R16E
R17E
31
ZONE A
ZONE A
RM6
Branch
ONE X
6

07-0117

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-00026N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lloyd Date 12/3/07

Plan Approved ☒ Not Approved ☐ Date 1/9/07

By APPROVED Columbia CHD CPHU

Notes:

FORM 600A-2004 Tested sealed ducts must be certified in this house. EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Richard McDonald Const. - Walker Res.**	Builder:	**Richard McDonald Const.**
Address:	**2508 NW Cansa Road**	Permitting Office:	Columbia
City, State:	**Lake City, FL 32055-**	Permit Number:	25438
Owner:	**Jimmy Walker Residence**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New		
2.	Single family or multi-family	Single family		
3.	Number of units, if multi-family	1		
4.	Number of Bedrooms	3		
5.	Is this a worst case?	No		
6.	Conditioned floor area (ft²)	1424 ft²		
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a.	U-factor: (or Single or Double DEFAULT)	7a.	Description (Sngle Default)	Area 226.0 ft²
b.	SHGC: (or Clear or Tint DEFAULT)	7b.	(Clear)	226.0 ft²
8.	Floor types			
a.	Slab-On-Grade Edge Insulation		R=0.0, 165.0(p) ft	
b.	N/A			
c.	N/A			
9.	Wall types			
a.	Frame, Wood, Exterior		R=13.0, 1054.0 ft²	
b.	N/A			
c.	N/A			
d.	N/A			
e.	N/A			
10.	Ceiling types			
a.	Under Attic		R=30.0, 1424.0 ft²	
b.	N/A			
c.	N/A			
11.	Ducts(Leak Free)			
a.	Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 35.0 ft	
b.	N/A			

12.	Cooling systems		
a.	Central Unit	Cap: 35.0 kBtu/hr	
		SEER: 11.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump	Cap: 35.0 kBtu/hr	
		HSPF: 6.80	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	
		EF: 0.90	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	

Glass/Floor Area: 0.16

Total as-built points: 21155

Total base points: 22512

PASS

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

PREPARED BY: _____

DATE: 10-30-06

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

OWNER/AGENT: _____

DATE: 12-12-06

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.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2508 NW Cansa Road, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1424.0	20.04	5136.7	Single, Clear	W	1.5	8.0	20.0	43.84	0.96	840.0	
				Single, Clear	W	1.5	8.0	16.0	43.84	0.96	672.0	
				Single, Clear	N	20.7	8.0	6.0	21.73	0.60	78.2	
				Single, Clear	W	11.5	8.0	40.0	43.84	0.46	799.6	
				Single, Clear	W	11.5	8.0	9.0	43.84	0.46	179.9	
				Single, Clear	E	1.5	8.0	15.0	47.92	0.96	688.3	
				Single, Clear	E	9.5	8.0	90.0	47.92	0.47	2031.3	
				Single, Clear	S	1.5	8.0	30.0	40.81	0.92	1130.4	
				As-Built Total:				**226.0**				**6419.7**
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	1054.0	1.50		1581.0	
Exterior	1054.0	1.70	1791.8									
Base Total:	**1054.0**		**1791.8**	**As-Built Total:**				**1054.0**				**1581.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	4.10		164.0	
Exterior	40.0	4.10	164.0									
Base Total:	**40.0**		**164.0**	**As-Built Total:**				**40.0**				**164.0**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1424.0	1.73	2463.5	Under Attic			30.0	1424.0	1.73 X 1.00		2463.5	
Base Total:	**1424.0**		**2463.5**	**As-Built Total:**				**1424.0**				**2463.5**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	165.0(p)	-37.0	-6105.0	Slab-On-Grade Edge Insulation			0.0	165.0(p	-41.20		-6798.0	
Raised	0.0	0.00	0.0									
Base Total:			**-6105.0**	**As-Built Total:**				**165.0**				**-6798.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1424.0	10.21	14539.0					1424.0	10.21		14539.0	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2508 NW Cansa Road, Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 17990.0			**Summer As-Built Points:**					**18369.3**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 35000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			18369	1.00	(1.09 x 1.000 x 0.91)	0.310	0.950	5370.7
17990.0	**0.4266**	**7674.5**	**18369.3**	**1.00**	**0.992**	**0.310**	**0.950**	**5370.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2508 NW Cansa Road, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1424.0	12.74	3265.5	Single, Clear	W	1.5	8.0	20.0	28.84	1.01	583.2	
				Single, Clear	W	1.5	8.0	16.0	28.84	1.01	466.6	
				Single, Clear	N	20.7	8.0	6.0	33.22	1.03	204.7	
				Single, Clear	W	11.5	8.0	40.0	28.84	1.20	1385.3	
				Single, Clear	W	11.5	8.0	9.0	28.84	1.20	311.7	
				Single, Clear	E	1.5	8.0	15.0	26.41	1.02	404.0	
				Single, Clear	E	9.5	8.0	90.0	26.41	1.34	3177.6	
				Single, Clear	S	1.5	8.0	30.0	20.24	1.04	632.1	
				As-Built Total:				**226.0**			**7165.2**	
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	1054.0	3.40		3583.6	
Exterior	1054.0	3.70	3899.8									
Base Total:	**1054.0**		**3899.8**	**As-Built Total:**				**1054.0**			**3583.6**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	8.40		336.0	
Exterior	40.0	8.40	336.0									
Base Total:	**40.0**		**336.0**	**As-Built Total:**				**40.0**			**336.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1424.0	2.05	2919.2	Under Attic			30.0	1424.0	2.05 X	1.00	2919.2	
Base Total:	**1424.0**		**2919.2**	**As-Built Total:**				**1424.0**			**2919.2**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	165.0(p)	8.9	1468.5	Slab-On-Grade Edge Insulation			0.0	165.0(p	18.80		3102.0	
Raised	0.0	0.00	0.0									
Base Total:			**1468.5**	**As-Built Total:**				**165.0**			**3102.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1424.0	-0.59	-840.2					1424.0	-0.59		-840.2	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2508 NW Cansa Road, Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**11048.9**	**Winter As-Built Points:**					**16265.8**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 35000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			16265.8	1.000	(1.069 x 1.000 x 0.93)	0.501	0.950	7703.8
11048.9	**0.6274**	**6932.1**	**16265.8**	**1.00**	**0.994**	**0.501**	**0.950**	**7703.8**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **2508 NW Cansa Road, Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00	8080.7	
				As-Built Total:						**8080.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
7675	**6932**	**7905**	**22512**	**5371**	**7704**	**8081**	**21155**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **2508 NW Cansa Road, Lake City, FL, 32055-** 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 cir 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.5

The higher the score, the more efficient the home.

Jimmy Walker Residence, 2508 NW Cansa Road, Lake City, FL, 32055-

1.	New construction or existing	New	__	12.	Cooling systems	
2.	Single family or multi-family	Single family	__		a. Central Unit	Cap: 35.0 kBtu/hr __
3.	Number of units, if multi-family	1	__			SEER: 11.00 __
4.	Number of Bedrooms	3	__		b. N/A	__
5.	Is this a worst case?	No	__			__
6.	Conditioned floor area (ft²)	1424 ft²	__		c. N/A	__
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					__
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a (Sngle Default) 226.0 ft²	__		a. Electric Heat Pump	Cap: 35.0 kBtu/hr __
	b. SHGC:					HSPF: 6.80 __
	(or Clear or Tint DEFAULT)	7b. (Clear) 226.0 ft²	__		b. N/A	__
8.	Floor types					__
	a. Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	__		c. N/A	__
	b. N/A		__			__
	c. N/A		__	14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 50.0 gallons __
	a. Frame, Wood, Exterior	R=13.0, 1054.0 ft²	__			EF: 0.90 __
	b. N/A		__		b. N/A	__
	c. N/A		__			__
	d. N/A		__		c. Conservation credits	__
	e. N/A		__		(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1424.0 ft²	__	15.	HVAC credits	PT, __
	b. N/A		__		(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A		__		HF-Whole house fan,	
11.	Ducts(Leak Free)				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 35.0 ft	__		MZ-C-Multizone cooling,	
	b. N/A		__		MZ-H-Multizone heating)	

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 EnergyStar™ 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.

Energy Code Compliance

Duct System Performance Report

Project Name:	Richard McDonald Const. - Walker Res.	Builder:	Richard McDonald Const.
Address:	2508 NW Cansa Road	Permitting Office:	
City, State:	Lake City, FL 32055-	Permit Number:	
Owner:	Jimmy Walker Residence	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	**Total House Duct System Leakage**	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q_n,tot) ☐ Receive credit if Q_n,tot≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q_n,out) ☐ Receive credit if Q_n,out≤ 0.03 AND Q_n,tot≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____

Printed Name: _____

Florida Rater Certification #: _____

DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: http://energygauge.com/search.htp

BUILDING OFFICIAL: _____

DATE: _____

Deep Creek Plantation LLC

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally 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
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☑ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ ☐ f) Must show and identify accessibility requirements (accesssable bathroom)

Foundation Plan including:

- ☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☑ ☐ b) All posts and/or column footing including size and reinforcing
- ☑ ☐ c) Any special support required by soil analysis such as piling
- ☑ ☐ d) Location of any vertical steel

Roof System:

- ☑ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ ☐ a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termiticide 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
      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 (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide 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

HVAC information

☑ ☐ a) Manual J sizing equipment or equivalent computation

☑ ☐ b) Exhaust fans in bathroom

☑ ☐ **Energy Calculations** (dimensions shall match plans)

☐ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

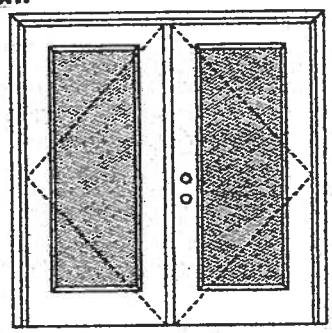
c) Cycle stop valve if used

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


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


107 Series*


108 Series


304 Series

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

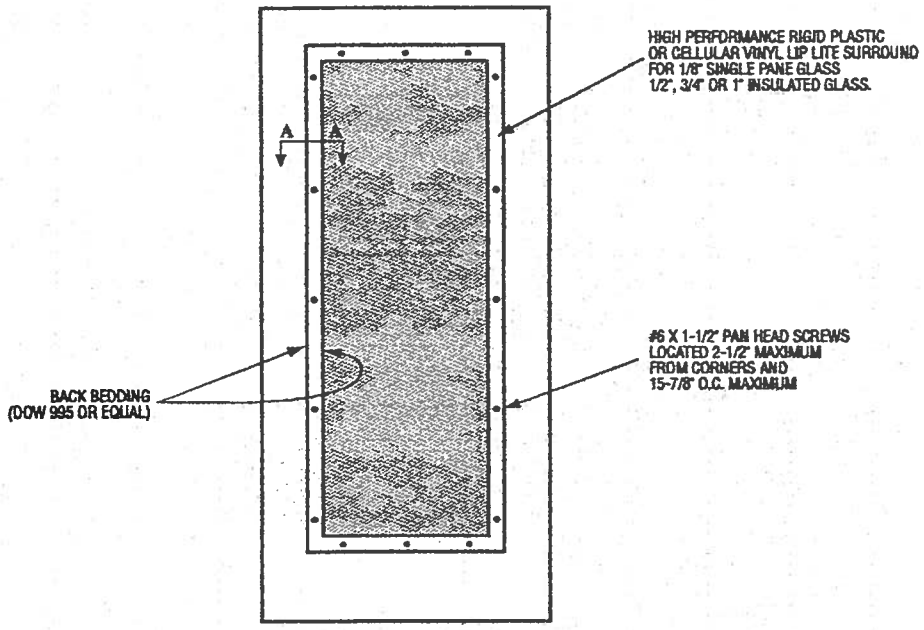
Johnson™ EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

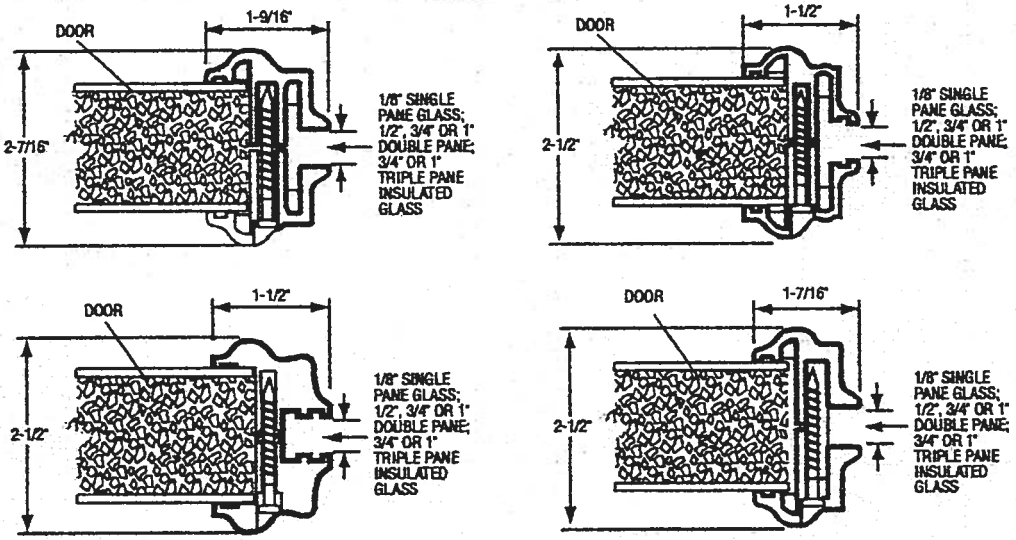
PREMDOR® Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

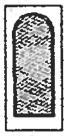
APPROVED DOOR STYLES:
3/4 GLASS:


404 Series


416 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


306 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Johnson™ EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product details subject to change without notice.

PREMDOR Collection Premium Quality Doors

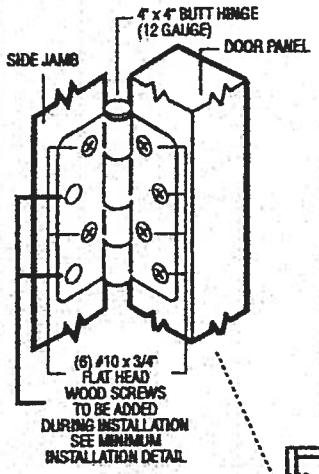
Exclusively from Masonite®
Masonite International Corporation

XX
Unit

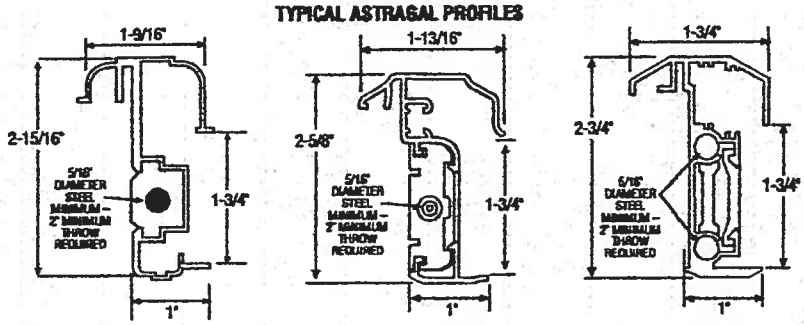
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

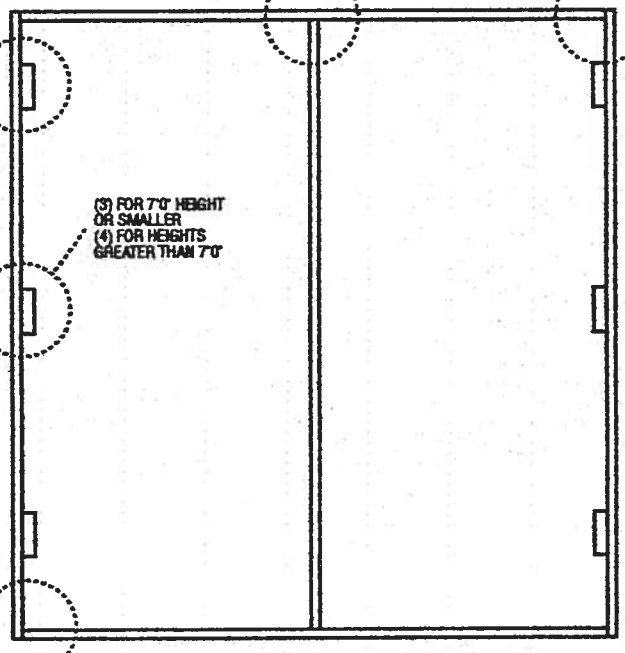
TYPICAL HINGE ATTACHMENT



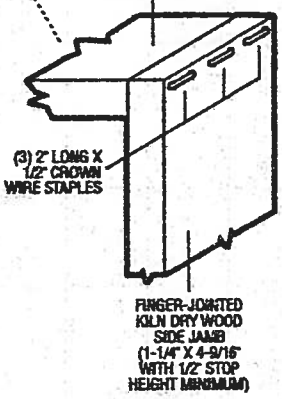
TYPICAL ASTRAGAL PROFILES



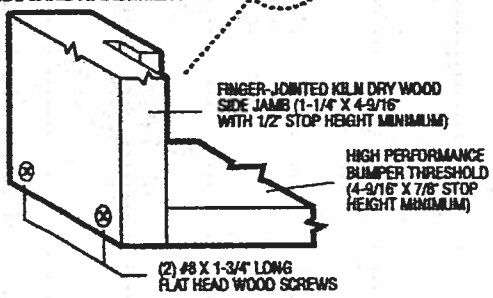
ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



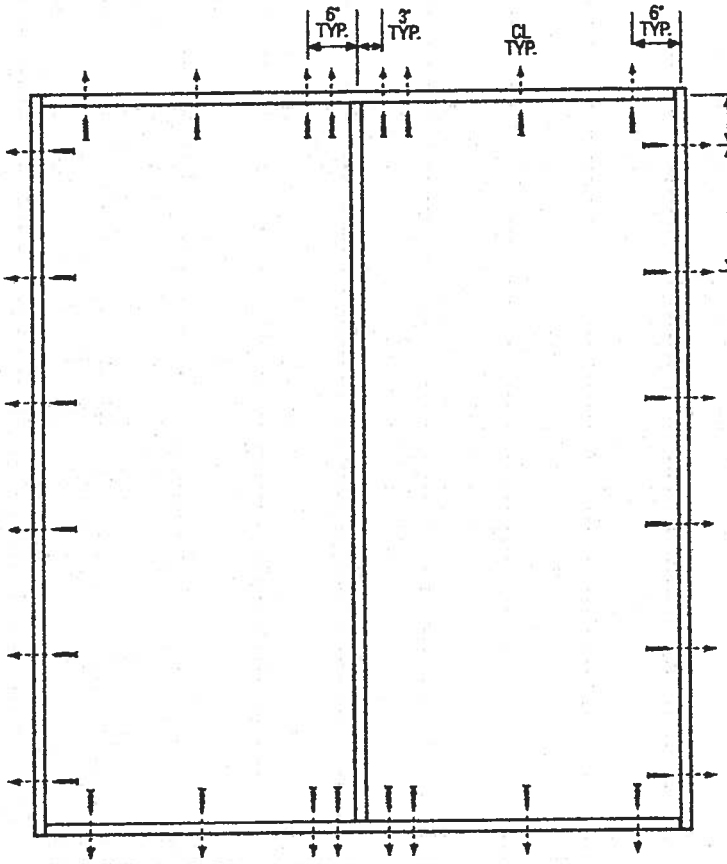
TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

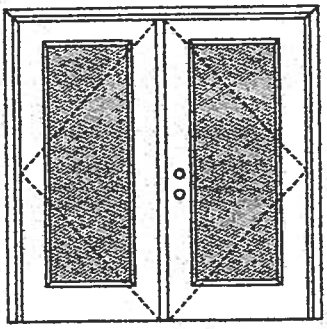
March 29, 2002

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size = 6'0" x 6'8"

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

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

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

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


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


107 Series*


108 Series


304 Series

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

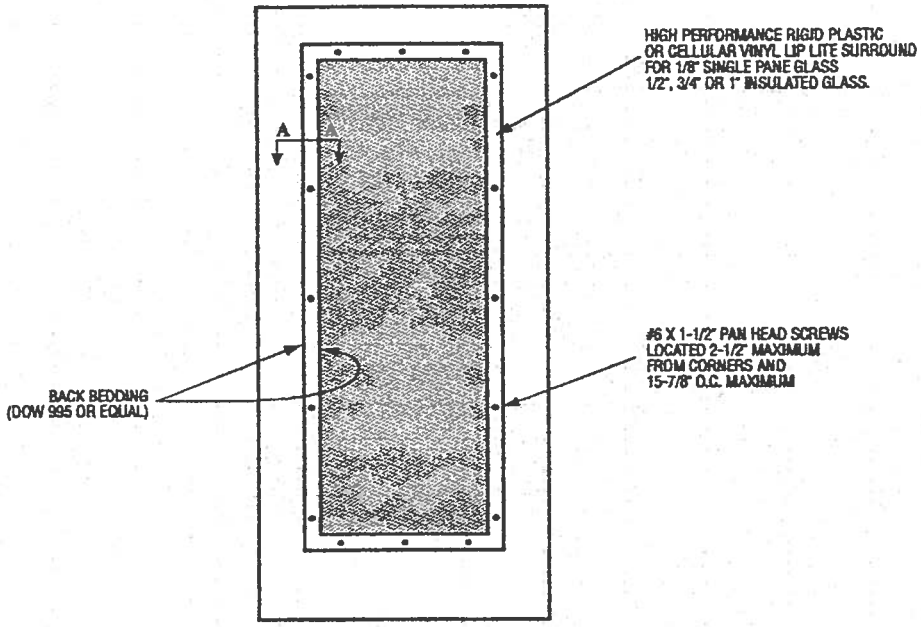
Johnson EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

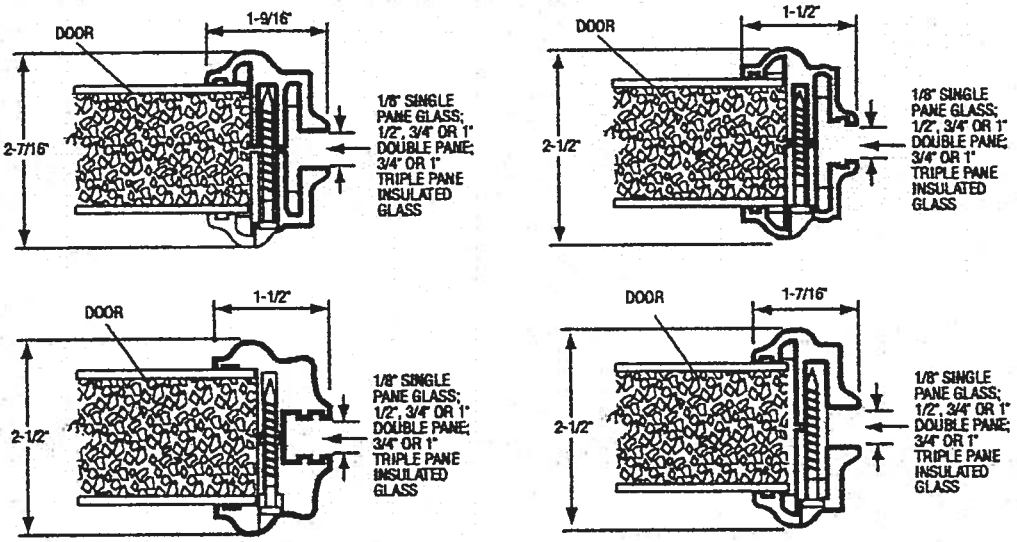
PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

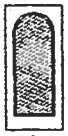
APPROVED DOOR STYLES:
3/4 GLASS:

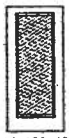

404 Series


416 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

Kurt L Balthazor

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

Johnson™ EntrySystems

March 29, 2002
Our continuing program of product improvement makes specifications, design and product details subject to change without notice.

PREMDOR Collection Premium Quality Doors

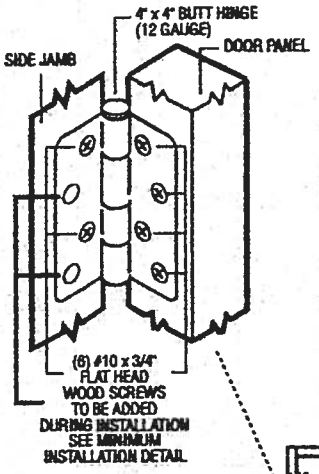
Exclusively from Masonite®
Masonite International Corporation

XX
Unit

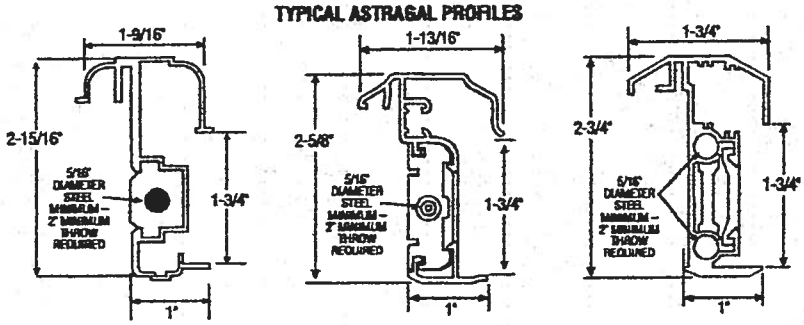
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

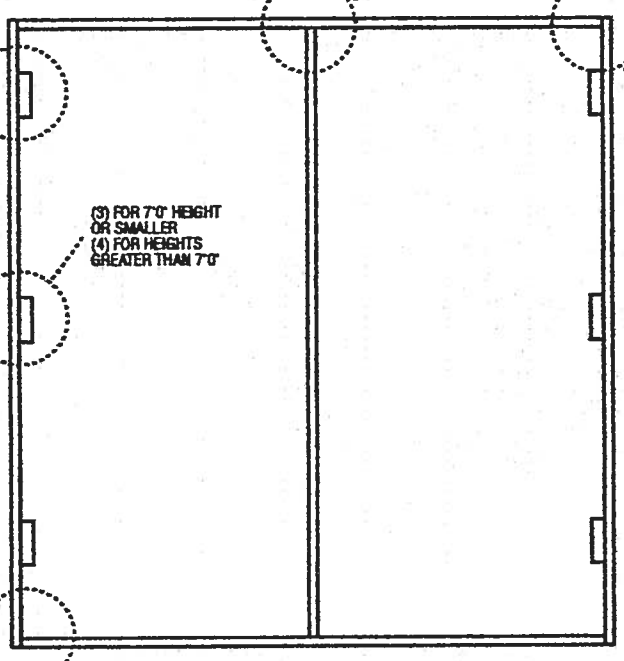
TYPICAL HINGE ATTACHMENT



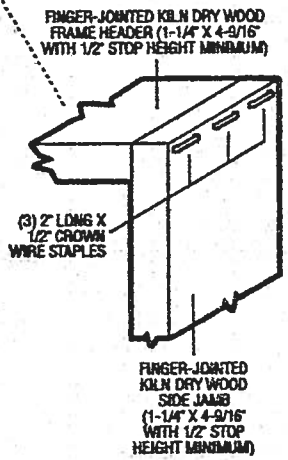
TYPICAL ASTRAGAL PROFILES



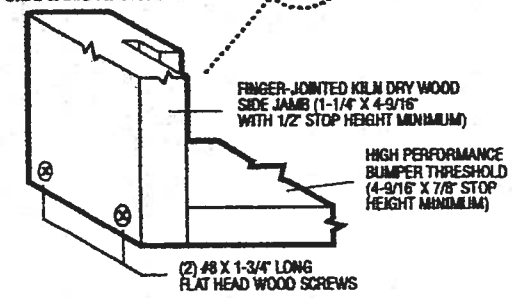
ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

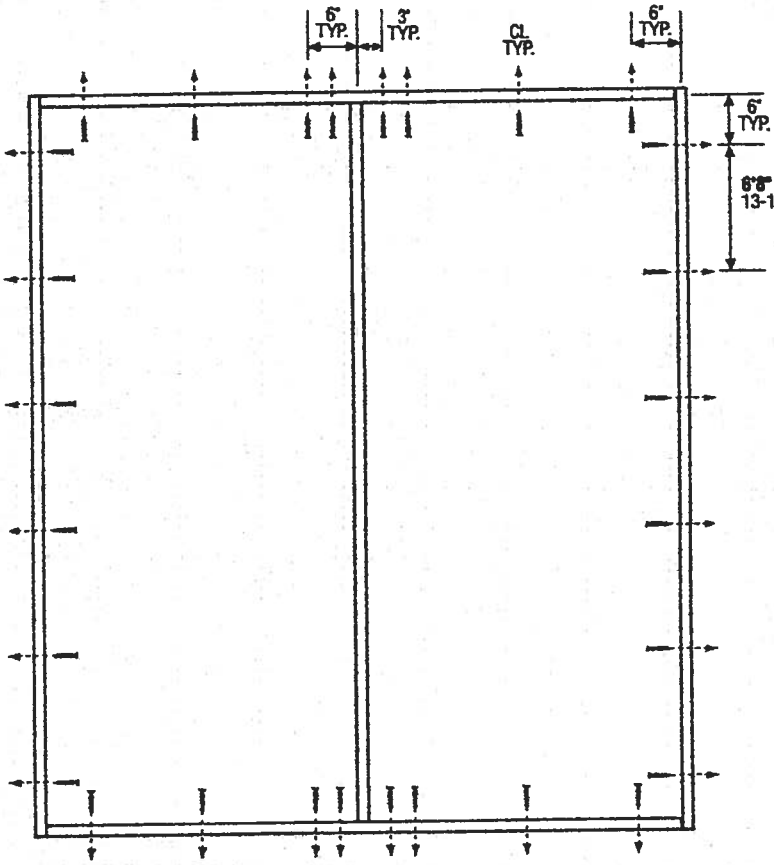
PREMDOR Collection
Premium Quality Doors

Exclusively from Masonite
Masonite International Corporation

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylinderical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite

Masonite International Corporation

The Florida Department of Community Affairs
Building Code Information System

FLORIDA BUILDING CODE

Overview | User Registration | Organization Registration | User Authorization | Organization Search | Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Manufact. Buildings

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel Search

Result List for Organizations

Displaying 1-1 of 1

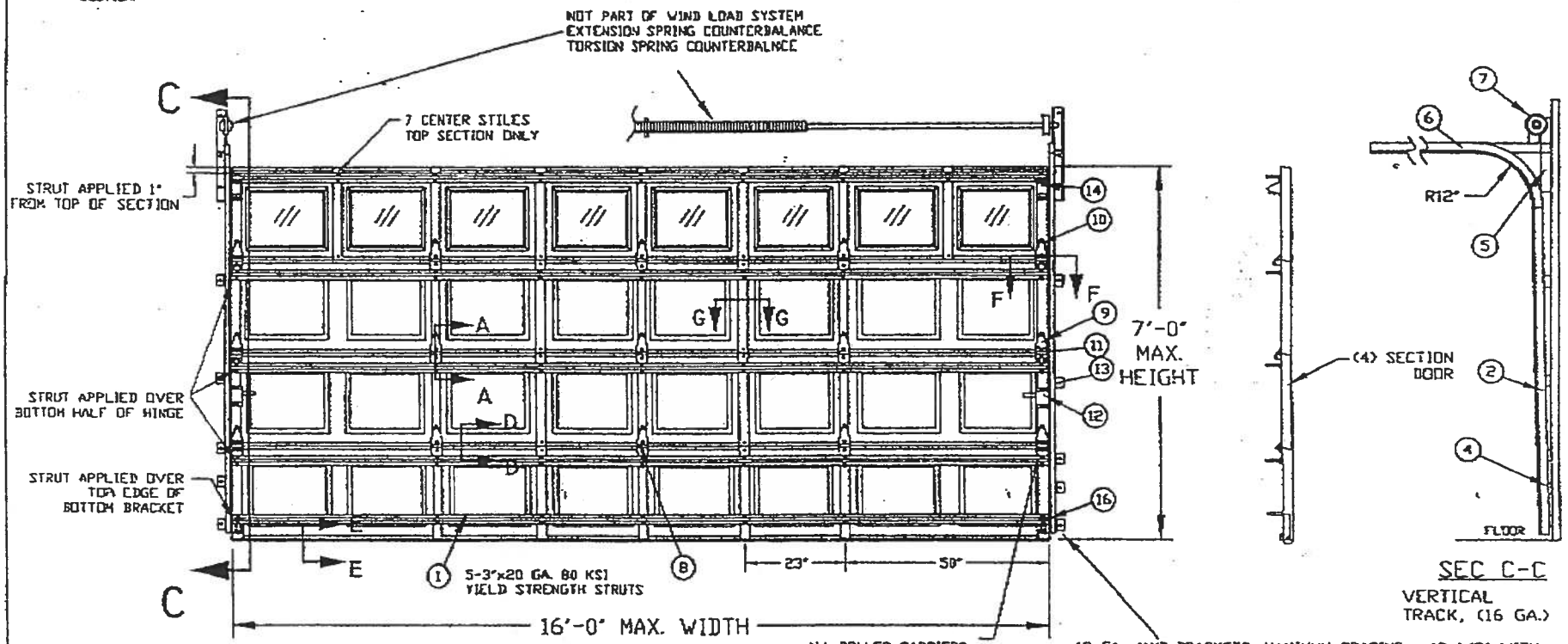
Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2099	Approved
Org Code: PDM System ID: 3585			Site Link: www.gadco.com			

Displaying 1-1 of 1

REV.	DATE	BY	DESCRIPTION
A-A	11-10-00	DW	SEE E.C.N. 831

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 2 AS TESTED.
9. (A) DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION

SEC C-C
VERTICAL TRACK, (16 GA.)

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) & dimensions and installation(s) of the door as tested.

WALTER R. MEYVAN ENGINEER PE No. 024280 SEAL PROFESSIONAL NORTH CAROLINA

LISTED SBCCI PST & ESI
REPORT No. 2202

TEST REPORTS ON FILE: VIDEO 10/19/00 (00293)

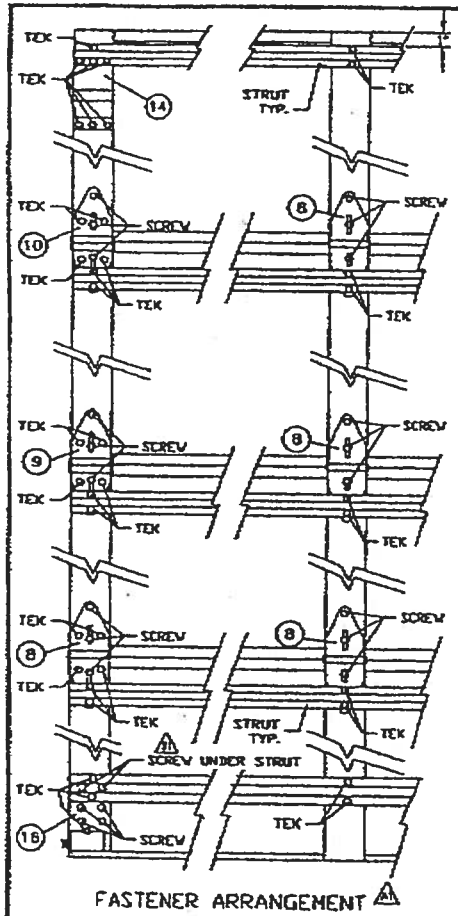
DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN (A)
SERIES 7524, EXTERIOR STEEL =.024" MIN (A)
(TESTED) WITH WINDOWS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

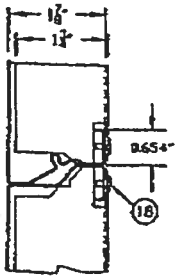
GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: 1:25 | APPROVED BY: | DRAWN BY: D. VIETMAN
DATE: 10-20-00 | REVISED: (A) 11-10-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF
PART NUMBER: PAGE 1 OF 2 | DRAWING NUMBER: W13220-1

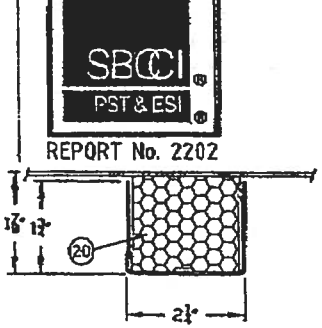


FASTENER ARRANGEMENT

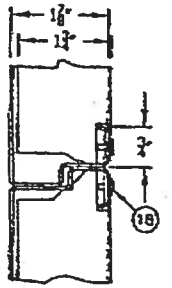
LISTED
SBCCI PST & ESI
REPORT No. 2202



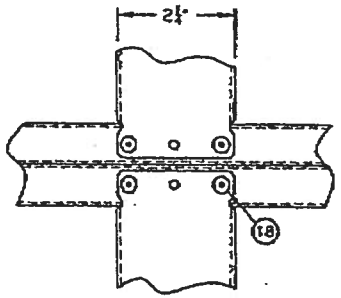
SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)



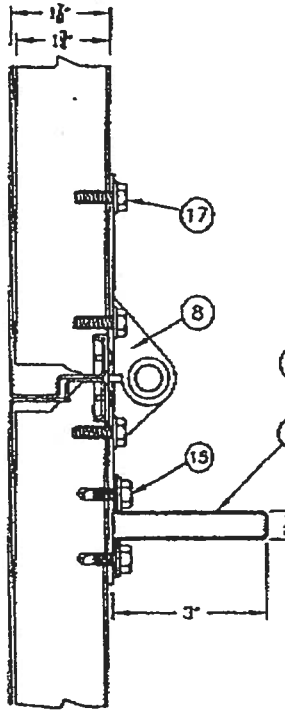
SEC G-G
CENTER STILE
20 GA. GALVANIZED



SEC D-D
PAN ATTACHMENT TO STILE (AS TESTED)

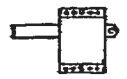


PAN ATTACHMENT TO STILE

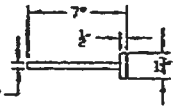


SEC A-A

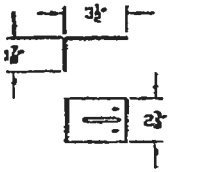
TRACK
16 GA. COSS MIN.)



(12) SIDE LOCK



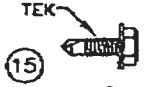
(11) ROLLER 10 BALLS



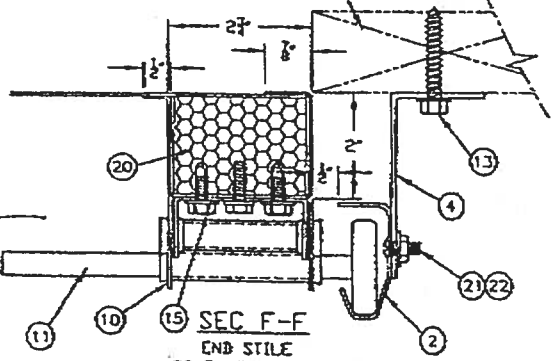
(4) #6 JAMB BRACKET

5-3"x20 GA. 80 KSI YIELD STRENGTH HEMMED STRUT APPLIED WITH 2 TEK SCREWS PER HINGE OR STILE LOCATION (14 PER STRUT, MINIMUM)

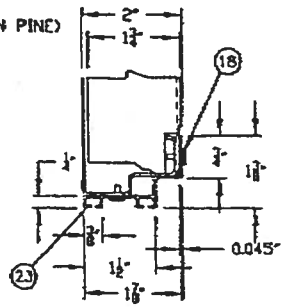
(17) 1/4-20 x 3/4" HEX WASHERHEAD SCREW



(15) 1/4-20 x 3/4" HWH TEK SCREW WITH #2 REDUCED POINT



SEC F-F
END STILE
20 GA. PAINTED STEEL



SEC E-E

REV.	DATE	BY	DESCRIPTION
A	11-27-00	DW	SEE ECN 836
B	12-1-00	DW	SEE ECN 836

ITEM	PART NO.	DESCRIPTION
23	3485	BOTTOM RAIL 6063 T6 ALUM EXT.
22	1391	1/4"-20 X 5/8" RIBBED NECK SCREW
21	4044	1/4"-20 SERRATED FLANGE NUT
20		1 LB DENSITY FILLER BLOCK EPS
19		
18	4385	POP RIVET, 9/32" STEEL
17	4229	HEX WASHERHEAD SCREW 1/4"-20 X 3/4"
16	1399LH	BOTTOM ROLLER BRACKET
15	0138	HWH TEK SCREW 1/4-20 X 3/4 W/ REDUCED PT.
14	3875	TOP SUPPORT BRACKET
13	4043	5/16" X 1-5/8" LAG SCREW
12	4710	SIDE LOCK
11	4306	LONG STEM ROLLER 2"
10	4203	ROLLER CARRIER HINGE #3 (14 GA)
9	4202	ROLLER CARRIER HINGE #2 (14 GA)
8	4201	ROLLER CARRIER HINGE #1 (14 GA)
7		COUNTER BALANCE (TORSION BAR & SPRINGS)
6		HORIZONTAL TRACK & ANGLE (16 GA)
5		VERTICAL FLAG ANGLE
4	4585-6	TRACK BRACKET #6 (12 GA)
3		
2		VERTICAL TRACK (16 GA.)
1		3" HEMMED STRUT(20 GA.) MIN. YIELD STR. 80KSI

GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

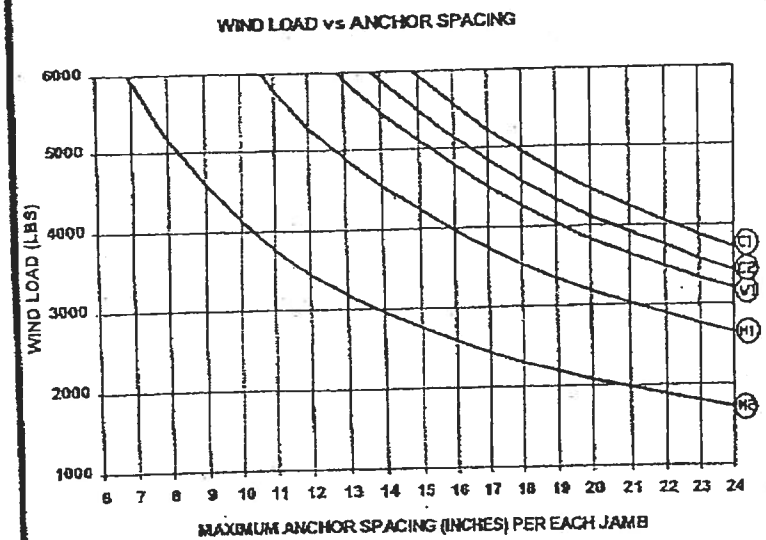
SCALE: NONE | APPROVED BY: | DRAWN BY: D. VIEDMAN
DATE: 11-7-00 | REVISED: (B) 12-1-00

DESCRIPTION:
16' X 7' MAX. RAISED PANEL STEEL DOOR-WINDLOAD ±20 PSF

PAGE 2 OF 2 | DRAWING NUMBER: W13220-2

NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASRIN KEYVAN

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.



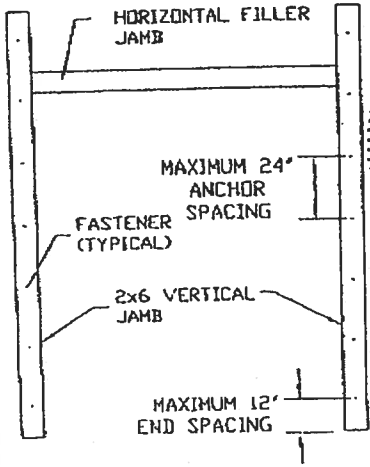
DESIGN LOAD (LBS) / FT² X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

30 LBS / FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- C1 USE 22" SPACING
- C2 USE 21" SPACING
- W1 USE 19" SPACING
- M1 USE 16" SPACING
- M2 USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASER R KEYVAN

3/8/2002

NASER R KEYVAN NC 5377 STATE OF FLORIDA PROFESSIONAL ENGINEER

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTD 10," CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GADCO®

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE NONE	APPROVED BY	DRAWN BY DV
DATE 8-30-99		REVISED
DESCRIPTION JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
	MASTER DRAWING NUMBER A10560	DRAWING NUMBER

I

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft^2
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

ALLEN M. REAVES
CERTIFICATE
NO. 18254
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen M. Reaves
1 APRIL 2002

II

Architectural Testing

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

Rendered to

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

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

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

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

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

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

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

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

Finish: All aluminum was white.

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

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

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES
No. 15354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

III

Test Specimen Description: (Continued)

Weatherstripping:

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

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

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

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

Hardware:

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

ALLEN N. REEVES
CERTIFICATE NO. 18884
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
1 APRIL 2002

IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max
	Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.		
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.
	**Exceeds L/175 for deflection, but passes all other test requirements.*		
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

Allen N. Reeves
1 APRIL 2002

ALLEN N. REEVES ☆ CERTIFICATE NO. 18[illegible] ☆ STATE OF FLORIDA ☆ PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

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

Optional Performance

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

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

	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.

Allen N. Reeves
1 April 2002

ALLEN N. REEVES
CERTIFICATE NO. 19334
STATE OF FLORIDA
PROFESSIONAL ENGINEER

VI

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

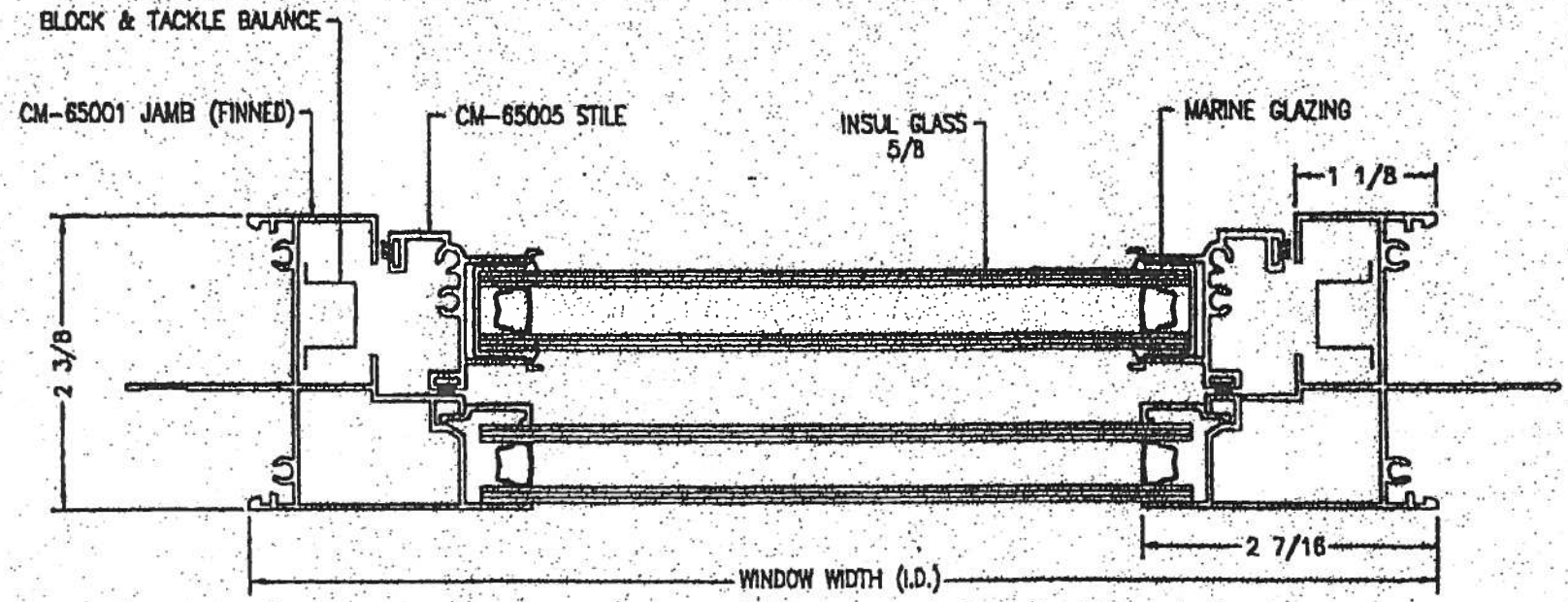
For ARCHITECTURAL TESTING, INC:

Mark A. Hess	Allen N. Reeves, P.E.
Technician	Director - Engineering Services
	1 APRIL 2002

MAH:nlb
01-41134.01

ALLEN N. REEVES
CERTIFICATE
NO. 1230?
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

650-AS2 | B

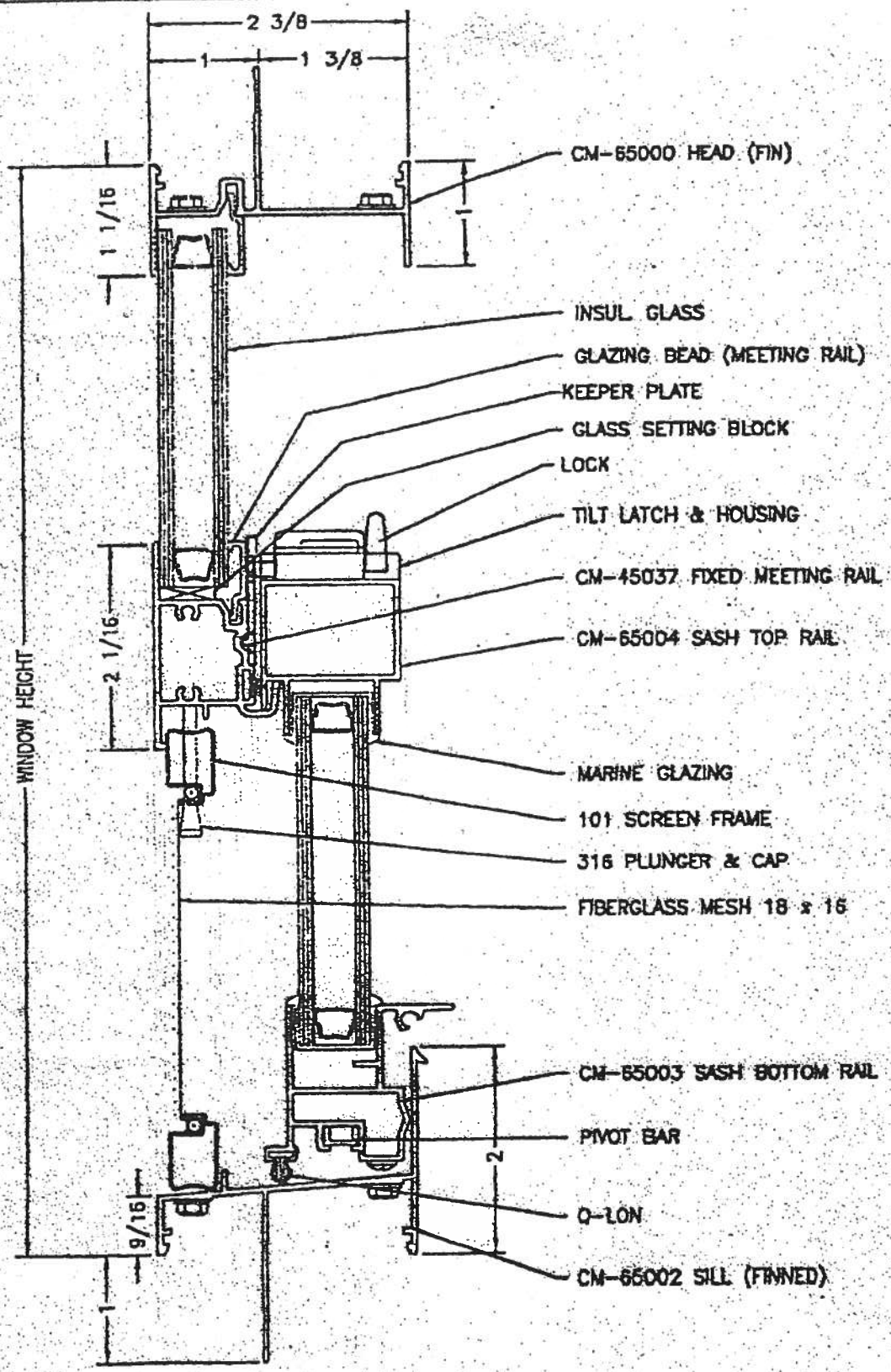


MI HOME PRODUCTS
650 WEST MARKET STREET • GRATZ, PA • 17030-0370

TITLE: 650 SH FIN MAIN FRAME INSULATED GLASS HORIZONTAL CROSS SECTION

DRN	DATE	SCALE	DRAWING NO.	REV
V.N.P.	4-7-92	FULL	650-AS2	B

650-AS1 A



MI HOME PRODUCTS
650 WEST MARKET STREET • GRATZ, PA • 17030-0370

TITLE 650 SH FIN MAIN FRAME
VERTICAL CROSS SECTION

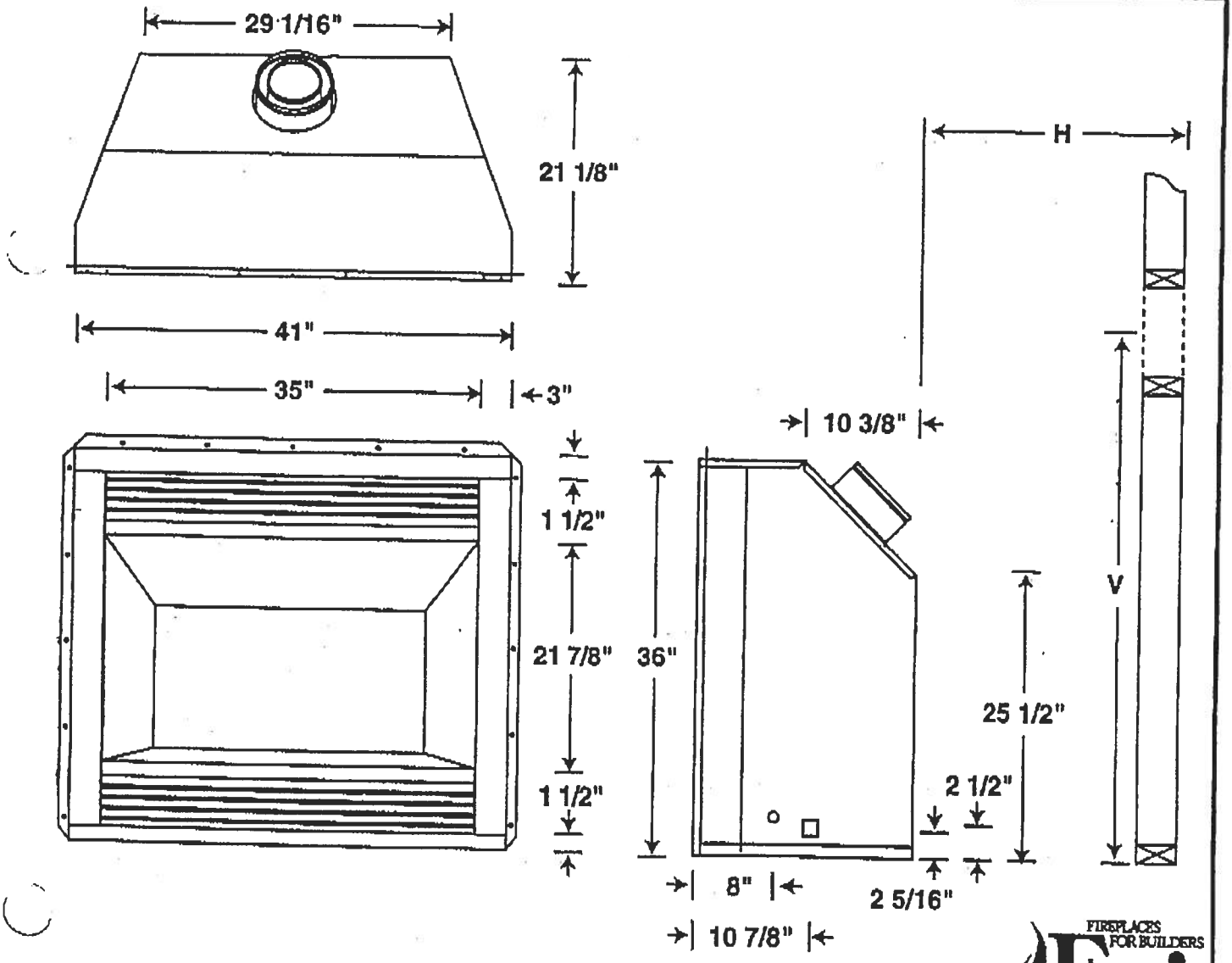
DRAWN	DATE	ISSUE	DWG. NO.	REV
Y.M.R.	4-7-92	FULL	650-AS1	A

Victorian

36" Direct Vent Fireplace
(5" - 8" Vent Pipe)

Typ. Ground Floor Installation (1 - 45° Elbow)		
Horiz. Run (H)	Min. Height (V)	Required Horiz. Pipe
17" max.	36"	12" max.

Installations requiring a 45° and 90° Elbow		
Horiz. Run (H)	Min. Height (V)	Required Vert. Pipe
30" max.	47 1/4"	none
48" max.	57 1/4"	12"
60" max.	69 1/4"	24"
84" max.	81 1/4"	36"
144" max.	93 1/4"	48"



FIREPLACES FOR BUILDERS
Fmi

THE RENAISSANCE SERIES

Victorian

36" AND 42" DIRECT VENT GAS FIREPLACES

Model V36 and V42

Timeless Beauty—And The Latest Technologies

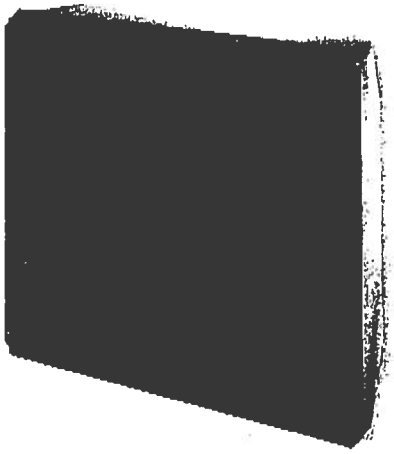
FMI's Victorian direct vent gas fireplaces are the ideal match for today's energy-efficient homes. The Victorian is the centerpiece of our exciting new Renaissance Series, which offers a consistent look, sizing, and construction across the entire line... plus beautiful new features homeowners will love!

Homeowner Highlights:

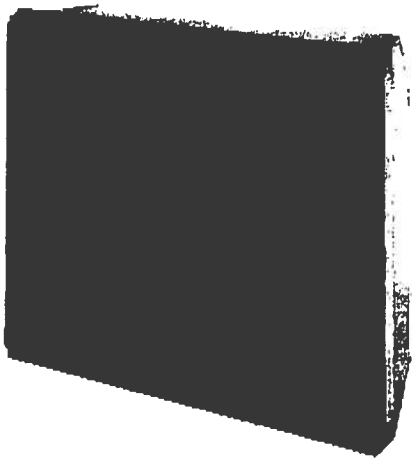
- Distinctive looks—Features random flame pattern and realistic glowing ember bed burner... plus exquisite new split oak ceramic fiber logs.
- Operation and maintenance are a breeze—Operates from wall switch or remote control. Hinged glass door swings open for easy maintenance and never needs adjustment.
- Attractive accessories—You have an array of eye-catching extras, including brass or platinum louvers and trim, realistic textured brick liner kits, and much more.

Builder Benefits:

- Secure, straight installation—We've added full-length nailing flanges, and drywall stops.
- Venting options—Our 45° slant back design lets you choose between horizontal and vertical venting for painless installation. Your choice of hard or flexible venting.
- More standard features—Flex gas connector, shut-off valve and pre-wired "J" box are all standard.



V36N features black rolled louvers.



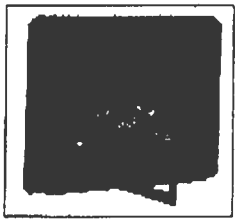
V42NH features black rolled louvers and textured herringbone brick-lined interior.

Victorian Direct Vent Fireplace Product Offering Summary

36" & 42" Direct Vent Fireplace Models Available With The Following:

- Millivolt Or Electronic Ignition
- Natural Or Propane Fuel
- Black, Standard Brick, And Herringbone Pattern Refractory Brick Interiors
- All fireplaces use 5" - 8" pipe. 36" models @ 32,000 Btu/42" models @ 35,000Btu.

Victorian models offer random, tiered flame patterns and gorgeous glowing ember bed burners.

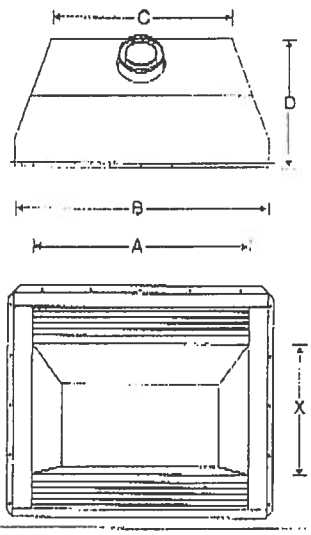


Hinged, tool-less entry door swings open for easy maintenance.

Accessory Offering Summary

- Smooth Face, Stamped Steel and Rolled Black Louver Panels
- Louver Trim (Brushed Brass & Platinum)
- Perimeter Trim Kits (Black, Brushed Brass & Platinum)
- Standard & Herringbone Refractory Brick Liners
- Remote Control Kits
- Fan Kits
- Deflection Hoods

Dimensions



	36"	42"
A	35	42
B	41	48
C	29	36
D	21 1/8	23 1/8
E	10 1/3	10 1/3
X	21 3/4	25 3/4
Y	38	40
Z	25 1/2	29 1/3

FIREPLACES FOR BUILDERS Fmi

DESA International
www.desaint.com
For more information, call (800) 888-2050

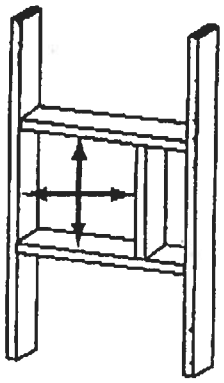
DESA INTERNATIONAL HPA HEARTH PRODUCTS ASSOCIATION Made in USA

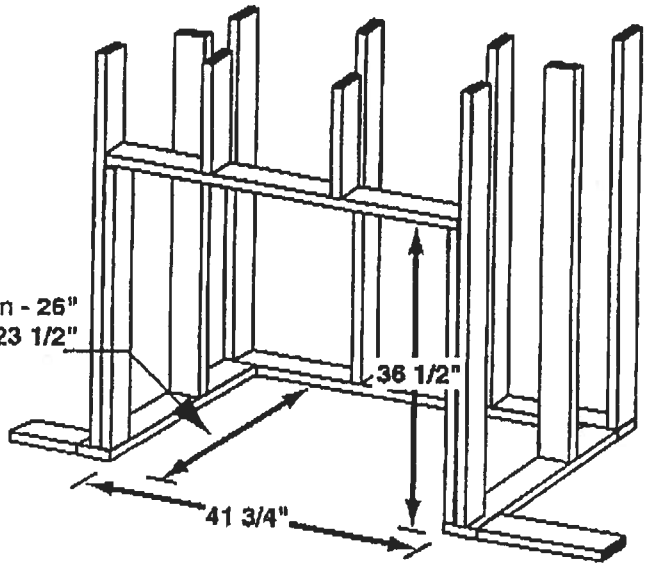
Printed in U.S.A.

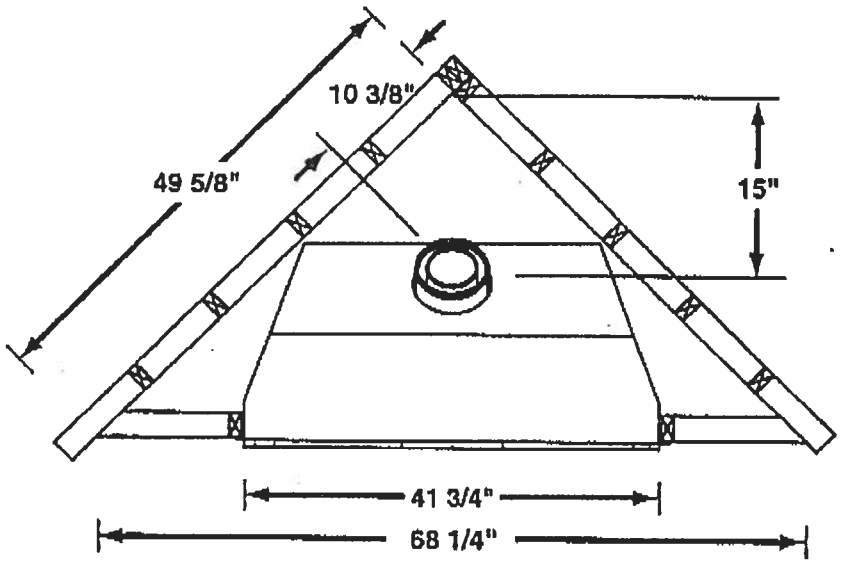
Victorian
36" Direct Vent Fireplace

Framing Dimensions

Vent Opening - 10 3/4" Square (I.D.)







NOTE:
Built-in Features Such as Mantels, Bookshelfs, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information

FIREPLACES FOR BUIL Fmi

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-[illegible]34
FAX (904) 755-70[illegible]
[illegible]X
LAKE CITY, FLORIDA [illegible]055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

Nottingham
Air Conditioning & Heating
6512 NW 37 Drive
Gainesville, FL. 32653
(352) 374 - 7786
CAC057027

Short Form
Entire House
Nottingham Air Conditioing, Inc.

Job: Walker/ McDonald
Date: Dec 12, 2006
By: Steve

6512 NW 37 Drive, Gainesville, FL 32653 Phone: (352) 374-7786 Fax: (352) 374-7786

Project Information

For: Jimmy Walker
2508 NW Cansa Road, Lake City, FL 32055

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	68	75
Design TD (°F)	35	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make Trane
Trade XR12 Weathertron
Model 2TWR2024A1

Efficiency	8 HSPF	
Heating input		
Heating output	21200	Btuh @ 47°F
Temperature rise	25	°F
Actual air flow	780	cfm
Air flow factor	0.031	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Trane
Trade XR12 Weathertron
Cond 2TWR2024A1
Coil 2TFE3025A1

Efficiency	13 SEER	
Sensible cooling	16380	Btuh
Latent cooling	7020	Btuh
Total cooling	23400	Btuh
Actual air flow	780	cfm
Air flow factor	0.055	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.76	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
kitchen	130	1959	2431	60	135
stor	49	1550	451	48	25
great room	304	5109	2031	157	112
dining room	142	3459	1462	107	81
utility	72	87	107	3	6
mast bath	117	2324	1051	72	58
bath	72	87	107	3	6
bedroom 3	132	2522	1337	78	74
bedroom 2	130	3124	1486	96	82
master bedroom	210	4729	3449	146	191
wic	66	382	174	12	10

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

Entire House	d	1424	25333	14089	780	780
Other equip loads			0	0		
Equip. @ 0.97	RSM			13666		
Latent cooling				4478		
TOTALS		1424	25333	18144	780	780

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

Nottingham
Air Conditioning & Heating
6512 NW 37 Drive
Gainesville, FL 32653
(352) 374 - 7786
CAC057027

Project Summary
Entire House
Nottingham Air Conditioing, Inc.

Job: Walker/ McDonald
Date: Dec 12, 2006
By: Steve

6512 NW 37 Drive, Gainesville, FL 32653 Phone: (352) 374-7786 Fax: (352) 374-7786

Project Information

For: Walker
2508 NW Cansa Road, Lake City, FL 32055

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	68	°F
Design TD	35	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	24126	Btuh
Ducts	1206	cfm
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	25333	Btuh

Sensible Cooling Equipment Load Sizing

Structure	12808	Btuh
Ducts	1281	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	13666	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	1424	1424
Volume (ft³)	11392	11392
Air changes/hour	1.20	0.50
Equiv. AVF (cfm)	228	95

Latent Cooling Equipment Load Sizing

Structure	4478	Btuh
Ducts	0	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	4478	Btuh
Equipment total load	18144	Btuh
Req. total capacity at 0.70 SHR	1.6	ton

Heating Equipment Summary

Make	Trane
Trade	XR12 Weathertron
Model	2TWR2024A1

Efficiency	8 HSPF	
Heating input		
Heating output	21200	Btuh @ 47°F
Temperature rise	25	°F
Actual air flow	780	cfm
Air flow factor	0.031	cfm/Btuh
Static pressure	0.30	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Trane
Trade	XR12 Weathertron
Cond	2TWR2024A1
Coil	2TFE3025A1

Efficiency	13 SEER	
Sensible cooling	16380	Btuh
Latent cooling	7020	Btuh
Total cooling	23400	Btuh
Actual air flow	780	cfm
Air flow factor	0.055	cfm/Btuh
Static pressure	0.30	in H2O
Load sensible heat ratio	0.76	

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

Nottingham
Air Conditioning & Heating
6512 NW 37 Drive
Gainesville, FL 32653
(352) 374 - 7786
CAC057027

Duct System Summary
Entire House
Nottingham Air Conditioing, Inc.

Job: Walker/ McDonald
Date: Dec 12, 2006
By: Steve

6512 NW 37 Drive, Gainesville, FL 32653 Phone: (352) 374-7786 Fax: (352) 374-7786

Project Information

For: Jimmy Walker
2508 NW Cansa Road, Lake City, FL 32055

	Heating	Cooling
External static pressure	0.30 in H2O	0.30 in H2O
Pressure losses	0.05 in H2O	0.05 in H2O
Available static pressure	0.25 in H2O	0.25 in H2O
Supply / return available pressure	0.15 / 0.10 in H2O	0.15 / 0.10 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	780 cfm	780 cfm
Total effective length (TEL)	250 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
kitchen	c 2431	60	135	0.100	7	0x0	VlFx	45.0	105.0	st1
stor	h 1550	48	25	0.100	5	0x0	VlFx	45.0	105.0	st1
great room	h 5109	157	112	0.100	8	0x0	VlFx	45.0	105.0	st2
dining room	h 3459	107	81	0.100	7	0x0	VlFx	45.0	105.0	st2
utility	c 107	3	6	0.100	4	0x0	VlFx	45.0	105.0	st3
mast bath	h 2324	72	58	0.100	6	0x0	VlFx	45.0	105.0	st3
bath	c 107	3	6	0.100	4	0x0	VlFx	45.0	105.0	st3
bedroom 3	h 2522	78	74	0.100	6	0x0	VlFx	45.0	105.0	st4
bedroom 2	h 3124	96	82	0.100	7	0x0	VlFx	45.0	105.0	st4
master bedroom	c 1725	73	96	0.100	7	0x0	VlFx	45.0	105.0	st4
master bedroom-A	c 1724	73	95	0.100	7	0x0	VlFx	45.0	105.0	st4
wic	h 382	12	10	0.100	4	0x0	VlFx	45.0	105.0	st4

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	780	780	0.100	573	16	14 x 14	VinlFlx	
st2	Peak AVF	672	620	0.100	576	15	14 x 12	VinlFlx	st1
st3	Peak AVF	408	427	0.100	512	12	12 x 10	VinlFlx	st2
st4	Peak AVF	331	357	0.100	535	11	12 x 8	VinlFlx	st3

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	18x10	377	365	100.0	0.100	566	11	12x 8		VlFx	rt1
rb4	12x10	229	259	100.0	0.100	518	10	12x 6		VlFx	rt1
rb3	12x3	78	74	100.0	0.100	233	6	12x 4		VlFx	rt1
rb2	12x4	96	82	100.0	0.100	289	7	12x 4		VlFx	rt1

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
rt1	Peak AVF	780	780	0.100	573	16	14 x 14	VinlFlx	

Residential System Sizing Calculation

Summary

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

10/30/2006

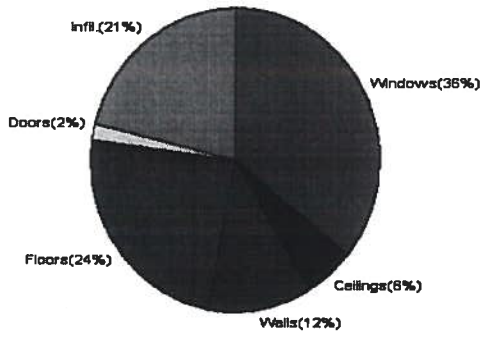
Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)

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	**29634**	**Btuh**	**Total cooling load calculation**	**28727**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.1	35000	Sensible (SHR = 0.75)	115.8	26250
Heat Pump + Auxiliary(0.0kW)	118.1	35000	Latent	144.5	8750
			Total (Electric Heat Pump)	121.8	35000

WINTER CALCULATIONS

Winter Heating Load (for 1424 sqft)

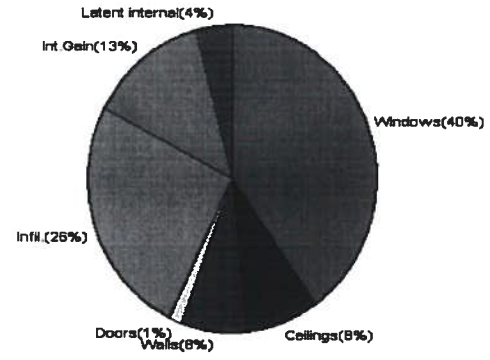
Load component			Load	
Window total	226	sqft	10620	Btuh
Wall total	1054	sqft	3461	Btuh
Door total	40	sqft	518	Btuh
Ceiling total	1424	sqft	1678	Btuh
Floor total	165	sqft	7204	Btuh
Infiltration	152	cfm	6153	Btuh
Duct loss			0	Btuh
Subtotal			**29634**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**29634**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1424 sqft)

Load component			Load	
Window total	226	sqft	11468	Btuh
Wall total	1054	sqft	2198	Btuh
Door total	40	sqft	392	Btuh
Ceiling total	1424	sqft	2358	Btuh
Floor total			0	Btuh
Infiltration	133	cfm	2474	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**22670**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4857	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**6057**	**Btuh**
TOTAL HEAT GAIN			**28727**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: 10-30-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

10/30/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	20.0	47.0	940 Btuh
2	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
3	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
4	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
5	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
6	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
7	1, Clear, Metal, 1.27	E	90.0	47.0	4229 Btuh
8	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
	Window Total		226(sqft)		10620 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1054	3.3	3461 Btuh
	Wall Total		1054		3461 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1424	1.2	1678 Btuh
	Ceiling Total		1424		1678Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	165.0 ft(p)	43.7	7204 Btuh
	Floor Total		165		7204 Btuh
			Zone Envelope Subtotal:		23481 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	11392	151.9	6153 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**29634 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	29634 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	29634 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

10/30/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	20.0	47.0	940 Btuh
2	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
3	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
4	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
5	1, Clear, Metal, 1.27	W	9.0	47.0	423 Btuh
6	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
7	1, Clear, Metal, 1.27	E	90.0	47.0	4229 Btuh
8	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
	Window Total		226(sqft)		10620 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1054	3.3	3461 Btuh
	Wall Total		1054		3461 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		40		518Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1424	1.2	1678 Btuh
	Ceiling Total		1424		1678Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	165.0 ft(p)	43.7	7204 Btuh
	Floor Total		165		7204 Btuh
			Zone Envelope Subtotal:		23481 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	11392	151.9	3121 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**26602 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	29634 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	29634 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jimmy Walker Residence 2508 NW Cansa Road Lake City, FL 32055-	Project Title: Richard McDonald Const. - Walker Res.	Code Only Professional Version Climate: North

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 10/30/2006

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Overhang Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	HTM Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	20.0	0.0	20.0	37	94	1881 Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505 Btuh
3	1, Clear, 1.27, None,N,N	N	20.6	8ft.	6.0	0.0	6.0	37	37	225 Btuh
4	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	40.0	40.0	0.0	37	94	1498 Btuh
5	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	9.0	9.0	0.0	37	94	337 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
7	1, Clear, 1.27, None,N,N	E	9.5ft	8ft.	90.0	87.9	2.1	37	94	3488 Btuh
8	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124 Btuh
	Window Total				226 (sqft)					11468 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1054.0	2.1	2198 Btuh
	Wall Total		1054 (sqft)		2198 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		40.0	9.8	392 Btuh
	Door Total		40 (sqft)		392 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1424.0	1.7	2358 Btuh
	Ceiling Total		1424 (sqft)		2358 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	165 (ft(p))	0.0	0 Btuh
	Floor Total		165.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		16417 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.70	11392		132.9	2474 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	2400	3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
				Sensible Zone Load		**22670 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

10/30/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**22670 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**22670 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**22670 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4857 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	**6057 Btuh**
	TOTAL GAIN	**28727 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

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 10/30/2006

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	20.0	0.0	20.0	37	94	1881 Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505 Btuh
3	1, Clear, 1.27, None,N,N	N	20.6	8ft.	6.0	0.0	6.0	37	37	225 Btuh
4	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	40.0	40.0	0.0	37	94	1498 Btuh
5	1, Clear, 1.27, None,N,N	W	11.5f	8ft.	9.0	9.0	0.0	37	94	337 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411 Btuh
7	1, Clear, 1.27, None,N,N	E	9.5ft	8ft.	90.0	87.9	2.1	37	94	3488 Btuh
8	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124 Btuh
	Window Total				226 (sqft)					11468 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1054.0	2.1	2198 Btuh
	Wall Total		1054 (sqft)		2198 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		40.0	9.8	392 Btuh
	Door Total		40 (sqft)		392 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1424.0	1.7	2358 Btuh
	Ceiling Total		1424 (sqft)		2358 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	165 (ft(p))	0.0	0 Btuh
	Floor Total		165.0 (sqft)		0 Btuh
			Zone Envelope Subtotal:		16417 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.70	11392		132.9	1255 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	2400	3780 Btuh
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
				Sensible Zone Load		**21451 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

Code Only
Professional Version
Climate: North

10/30/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**22670**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**22670**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
	Total sensible gain	**22670**	**Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4857	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	**6057**	**Btuh**
	TOTAL GAIN	**28727**	**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

MidSummer

Jimmy Walker Residence
2508 NW Cansa Road
Lake City, FL 32055-

Project Title:
Richard McDonald Const. - Walker Res.

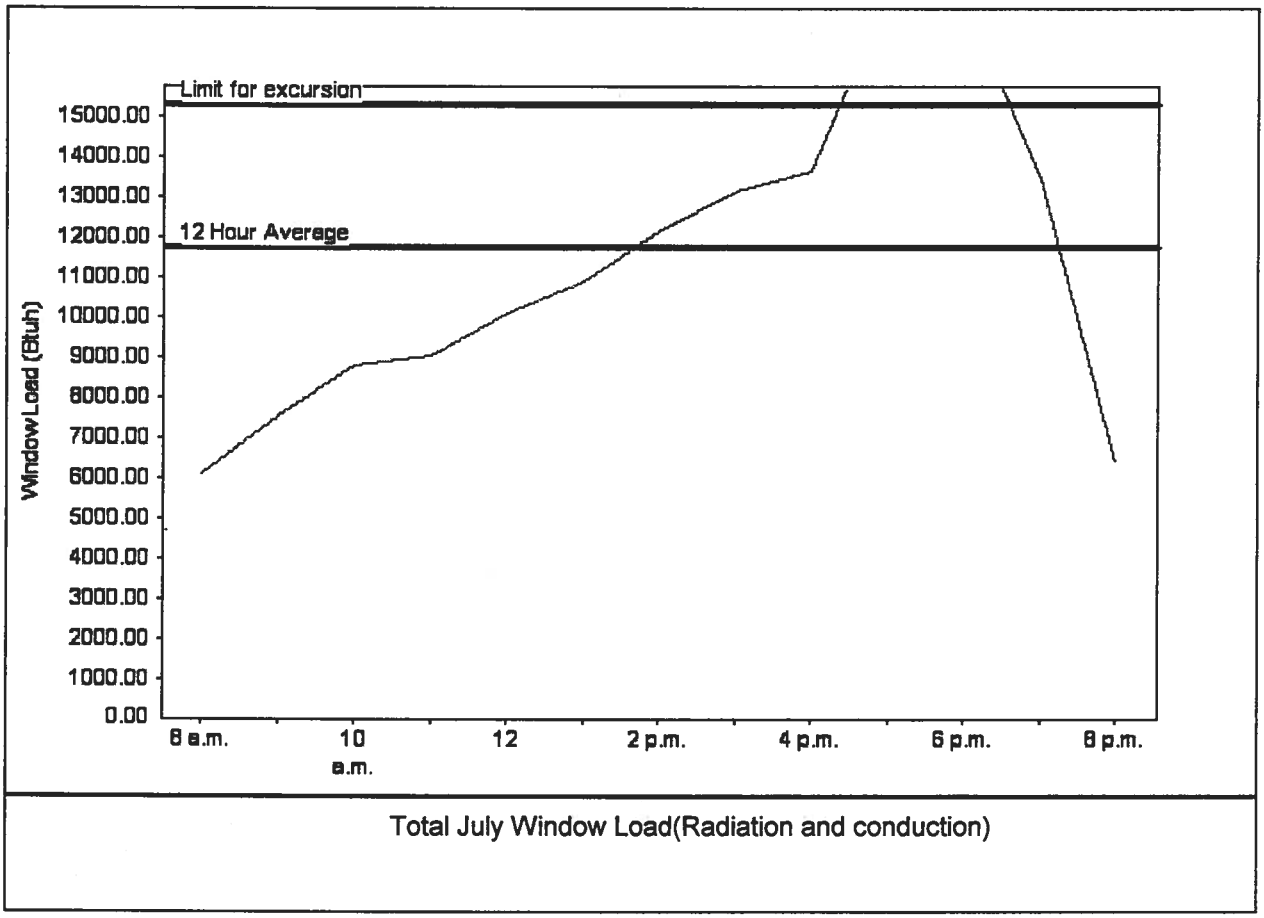
Code Only
Professional Version
Climate: North

10/30/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11740 Btu
Summer setpoint	75 F	Peak window load for July	18345 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	15262 Btu
Latitude	29 North	Window excursion (July)	3083 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: _____

Project Information for:	L219438		
Builder:	RICHARD MCDONALD	Date:	12/5/2006
Lot:	N/A	Start Number:	**1112**
Subdivision:	2508 NW CANSA RD	SEI Ref:	L219438
County or City:	COLUMBIA COUNTY		
Truss Page Count:	9		

Truss Design Load Information (UNO) Design Program: MiTek

Gravity		Wind		Building Code:	FBC2004
Roof (psf):	42	Wind Standard:	ASCE 7-02		
Floor (psf):	55	Wind Speed (mph):	110		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

MCDONALD, JAMES R. CBC043529
Address: 1445 JUPITER PARK RD., SUITE 11
JUPITER, FL 33458 Designer: 105

Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549 Phone: 813-849-5769

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitablity and use of Carrying Member hanger capacity.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	T01	1205061112	12/5/2006				
2	T01G	1205061111	12/5/2006				
3	T02	1205061110	12/5/2006				
4	T02G	1205061109	12/5/2006				
5	T02G	1205061108	12/5/2006				
6	T03	1205061107	12/5/2006				
7	T03G	1205061106	12/5/2006				
8	T04	1205061105	12/5/2006				
9	T04G	1205061104	12/5/2006				

DEC 0 5 2006

Public Services
Search for a Licensee
Apply for a License
View Application Status
Apply to Retake Exam
Find Exam Information
File a Complaint
AB&T Delinquent Invoice & Activity List Search

User Services
Renew a License
Change License Status
Maintain Account
Change My Address
View Messages
Change My PIN
View Continuing Ed

Term Glossary
Online Help

Licensee Details

Licensee Information

Name:	**MCDONALD, JAMES RICHARD (Primary Name)** **RICHARD MCDONALD CONSTRUCTION CO INC (DBA Name)**
Main Address:	**1445 JUPITER PARK DR.** **STE. 11** **JUPITER Florida 33458**
County:	**PALM BEACH**
License Mailing:	**1445 JUPITER PARK DR.** **STE. 11** **JUPITER FL 33458**
County:	**PALM BEACH**
LicenseLocation:	**15199 86TH ROAD NORTH** **LOXAHATCHEE FL 33470**
County:	**PALM BEACH**

License Information

License Type:	**Certified Building Contractor**
Rank:	**Cert Building**
License Number:	**CBC043529**
Status:	**Current,Active**
Licensure Date:	**03/28/1988**
Expires:	**08/31/2008**

Special Qualifications	**Qualification Effective**
Bldg Code Core Course Credit	
Qualified Business License Required	**02/20/2004**

View Related License Information

View License Complaint

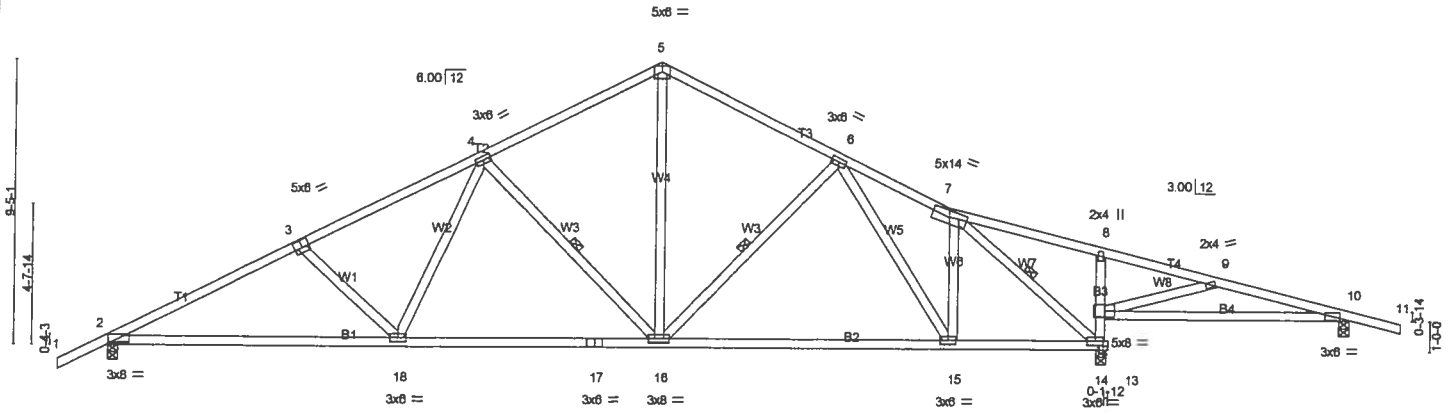
DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD WOODEN CONSTRUCTION
L219438	T01	SPECIAL	13	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:15 2006 Page 1

1-8-0	6-4-14	12-3-5	18-1-11	24-0-1	27-8-1	32-10-4	36-4-10	41-0-0	42-8-0
1-8-0	6-4-14	5-10-6	5-10-6	5-10-6	3-8-0	5-2-3	3-6-6	4-7-6	1-8-0

Scale = 1:76.3



9-7-0	18-1-11	27-8-1	32-10-4	41-0-0
9-7-0	8-6-11	9-6-6	5-2-3	8-1-12

Plate Offsets (X,Y): [2:0-8-4,0-0-10], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.12	10-12	>788	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.42	2-18	>928	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.08	14	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 222 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-16, 6-16, 7-14

REACTIONS (lb/size) 2=1434/0-4-0, 10=314/0-4-0, 14=1874/0-4-0
Max Horz 2=201(load case 5)
Max Uplift2=-545(load case 5), 10=-301(load case 4), 14=-714(load case 6)
Max Grav 2=1434(load case 1), 10=331(load case 10), 14=1874(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-2370/774, 3-4=-2135/713, 4-5=-1384/520, 5-6=-1382/530, 6-7=-1335/513, 7-8=-74/353, 8-9=-123/423, 9-10=-143/212, 10-11=0/21
BOT CHORD 2-18=-751/2061, 17-18=-503/1623, 16-17=-503/1623, 15-16=-298/1268, 14-15=-241/1175, 13-14=0/0, 12-14=-549/377, 8-12=-290/207, 10-12=-151/122
WEBS 3-18=-311/267, 4-18=-147/547, 4-16=-664/373, 5-16=-270/841, 6-16=-212/215, 6-15=-205/111, 7-15=-48/437, 7-14=-1972/537, 9-12=-463/323

JOINT STRESS INDEX
2 = 0.79, 3 = 0.50, 4 = 0.41, 5 = 0.39, 6 = 0.41, 7 = 0.48, 8 = 0.76, 9 = 0.34, 10 = 0.57, 12 = 0.67, 14 = 0.66, 15 = 0.44, 16 = 0.57, 17 = 0.54 and 18 = 0.47

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 545 lb uplift at joint 2, 301 lb uplift at joint 10 and 714 lb uplift at joint 14.

LOAD CASE(S) Standard

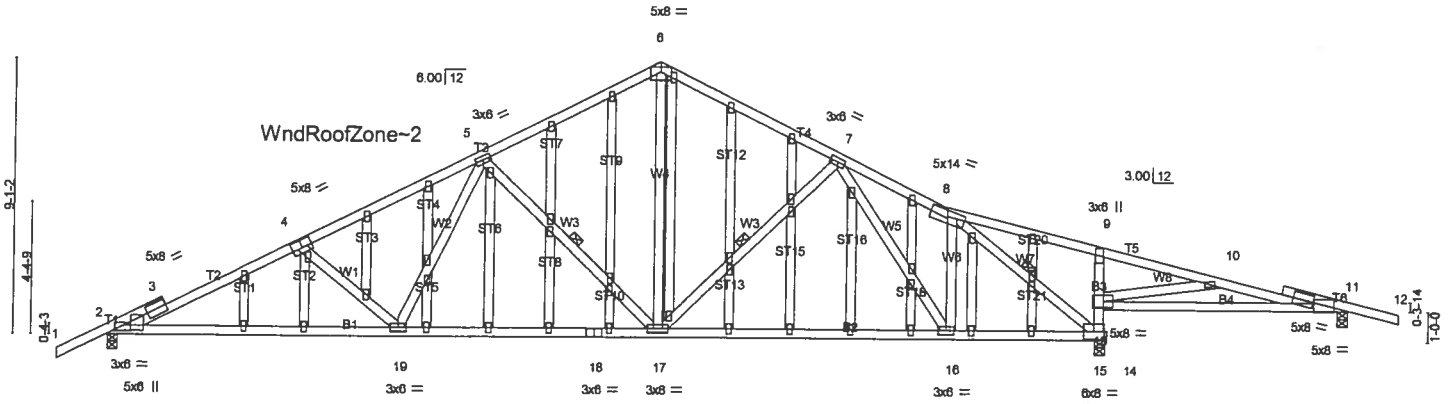
DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD WOODEN CONSTRUCTION
L219438	T01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:18 2006 Page 1

1-8-0	6-4-14	12-3-5	18-1-11	24-0-1	27-8-1	32-10-4	36-4-10	41-0-0	42-8-0
1-8-0	6-4-14	5-10-6	5-10-6	5-10-6	3-8-0	5-2-3	3-6-6	4-7-6	1-8-0

Scale = 1:76.3



9-7-0	18-1-11	27-8-1	32-10-4	41-0-0
9-7-0	8-6-11	9-6-6	5-2-3	8-1-12

Plate Offsets (X,Y): [2:0-3-0,0-1-4], [2:0-1-4,0-9-0], [4:0-1-1,0-0-8], [4:0-4-0,0-3-0], [11:0-1-0,0-2-8], [11:0-0-8,Edge], [24:0-2-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	-0.36	2-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.59	2-19	>666	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.87	Horz(TL)	0.12	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 324 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T2 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except* B1 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 4-8-15 oc bracing.
WEBS 1 Row at midpt 5-17, 7-17, 8-15

REACTIONS (lb/size) 11=459/0-4-0, 2=2019/0-4-0, 15=2608/0-4-0
Max Horz 2=197(load case 5)
Max Uplift11=-395(load case 4), 2=-942(load case 5), 15=-1215(load case 6)
Max Grav 11=476(load case 10), 2=2019(load case 1), 15=2608(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-16/63, 2-3=-3649/2060, 3-4=-3605/2053, 4-5=-3186/1811, 5-6=-2000/1243, 6-7=-1998/1239, 7-8=-1980/1188, 8-9=-244/533, 9-10=-423/724, 10-11=-274/312, 11-12=-8/33
BOT CHORD 2-19=-1801/3236, 18-19=-1231/2389, 17-18=-1231/2389, 16-17=-939/1874, 15-16=-831/1740, 14-15=0/0, 13-15=-799/710, 9-13=-505/420, 11-13=-257/239
WEBS 4-19=-672/556, 5-19=-368/824, 5-17=-995/699, 6-17=-637/1147, 7-17=-331/287, 7-16=-280/207, 8-16=-134/502, 8-15=-2842/1560, 10-13=-835/733

JOINT STRESS INDEX
2 = 0.80, 2 = 0.86, 3 = 0.00, 3 = 0.91, 4 = 0.74, 4 = 0.61, 5 = 0.57, 6 = 0.84, 7 = 0.41, 8 = 0.66, 9 = 0.45, 10 = 0.43, 11 = 0.52, 11 = 0.64, 13 = 0.75, 15 = 0.38, 16 = 0.43, 17 = 0.58, 18 = 0.79, 19 = 0.70, 20 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.47, 25 = 0.34, 25 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34, 32 = 0.34, 33 = 0.34, 33 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34, 42 = 0.34, 43 = 0.34, 43 = 0.34, 44 = 0.34, 45 = 0.34, 46 = 0.34, 47 = 0.34, 48 = 0.34, 48 = 0.34, 49 = 0.34, 50 = 0.34, 51 = 0.34, 52 = 0.34, 53 = 0.34 and 53 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 395 lb uplift at joint 11, 942 lb uplift at joint 2 and 1215 lb uplift at joint 15.
8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-87(F=-33), 6-8=-87(F=-33), 8-12=-87(F=-33), 2-15=-30, 14-15=-30, 11-13=-30

~~DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:~~
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

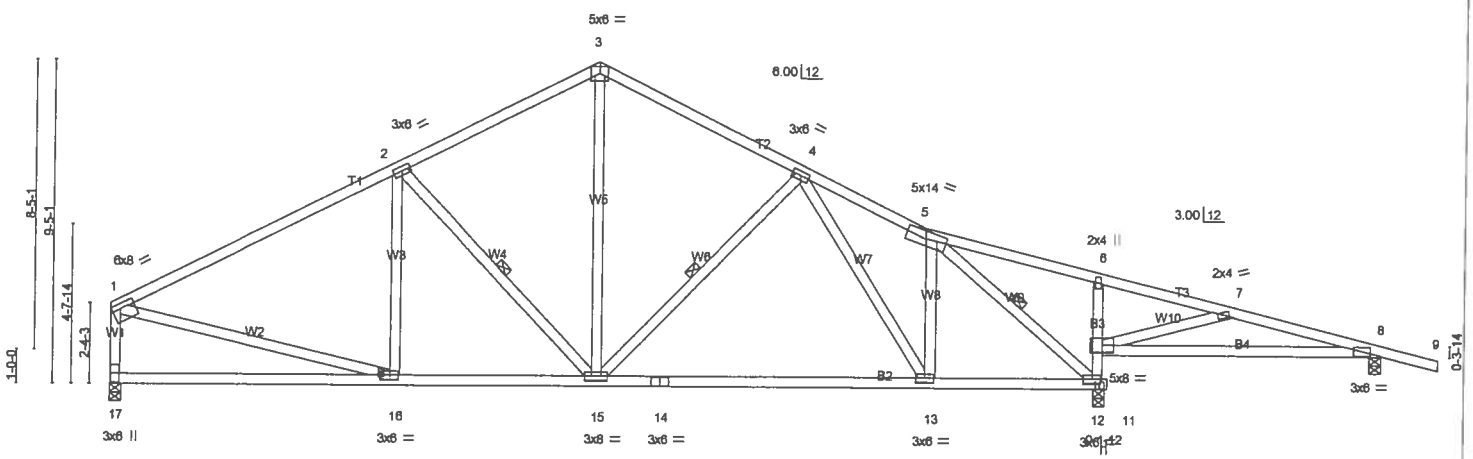
Job	Truss	Truss Type	Qty	Ply	RICHARD WOODEN CONSTRUCTION
L219438	T02	SPECIAL	7	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:20 2006 Page 1

8-3-6	14-1-11	20-0-1	23-8-1	28-10-4	32-4-10	37-0-0	38-8-0
8-3-6	5-10-5	5-10-6	3-8-0	5-2-3	3-6-6	4-7-6	1-8-0

Scale = 1:67.2



8-3-6	14-1-11	23-8-1	28-10-4	29-0-0	37-0-0
8-3-6	5-10-5	9-6-6	5-2-3	0-1-12	8-0-0

Plate Offsets (X,Y): [1:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	0.13	8-10	>739	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	-0.37	13-15	>932	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.40	Horz(TL)	-0.03	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-10.
WEBS 1 Row at midpt 5-12, 4-15, 2-15

REACTIONS (lb/size) 8=343/0-4-0, 17=1169/0-4-0, 12=1678/0-4-0
Max Horz 8=-175(load case 6)
Max Uplift8=-296(load case 4), 17=-376(load case 5), 12=-711(load case 6)
Max Grav 8=349(load case 10), 17=1169(load case 1), 12=1678(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-151/277, 6-7=-215/314, 7-8=-209/190, 8-9=0/21, 3-4=-1107/450, 4-5=-1183/415, 1-2=-1378/450, 2-3=-1116/440, 1-17=-1034/396
BOT CHORD 8-10=-186/185, 10-12=-535/371, 6-10=-279/202, 16-17=-112/232, 15-16=-295/1141, 14-15=-325/1071, 13-14=-325/1071, 12-13=-286/1038, 11-12=0/0
WEBS 7-10=-458/325, 5-12=-1691/534, 5-13=-20/337, 4-13=-85/82, 4-15=-258/196, 3-15=-221/621, 2-15=-368/255, 2-16=-55/97, 1-16=-208/939

JOINT STRESS INDEX
1 = 0.86, 2 = 0.41, 3 = 0.33, 4 = 0.41, 5 = 0.41, 6 = 0.57, 7 = 0.34, 8 = 0.58, 10 = 0.64, 12 = 0.59, 13 = 0.44, 14 = 0.42, 15 = 0.57, 16 = 0.52 and 17 = 0.64

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 8, 376 lb uplift at joint 17 and 711 lb uplift at joint 12.

LOAD CASE(S) Standard

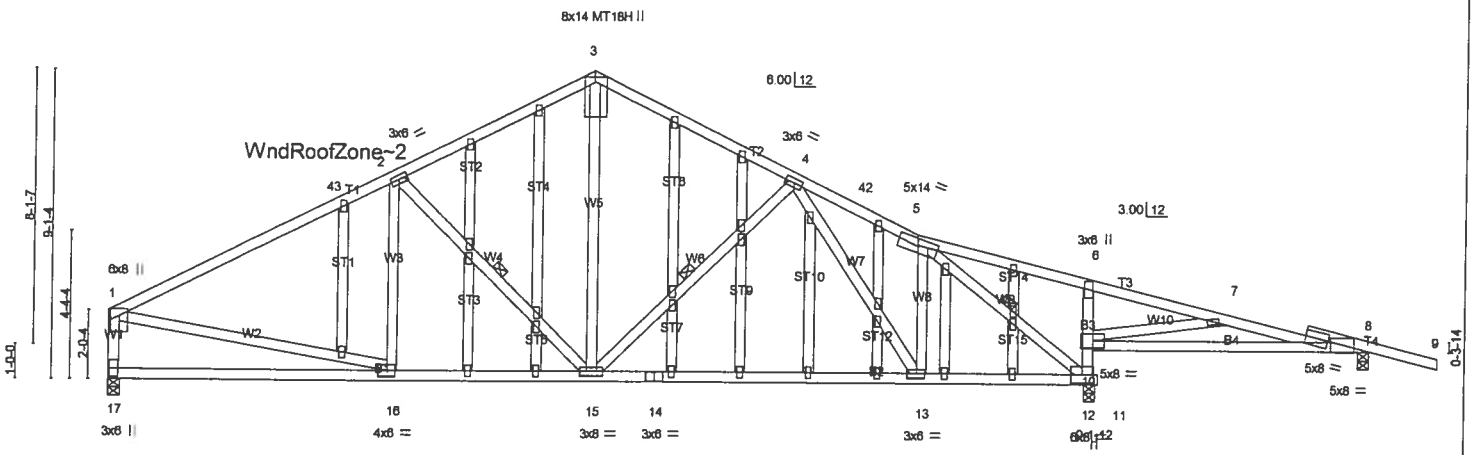
DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD WOODWARD RESIDENCE
L219438	T02G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 12:42:23 2006 Page 1

8-3-6	14-1-11	20-0-1	23-8-1	28-10-4	32-4-10	37-0-0	38-8-0
8-3-6	5-10-5	5-10-6	3-8-0	5-2-3	3-6-6	4-7-6	1-8-0

Scale = 1:67.7



8-3-6	14-1-11	23-8-1	28-10-4	29-0-0	37-0-0
8-3-6	5-10-5	9-6-6	5-2-3	0-1-12	8-0-0

Plate Offsets (X,Y): [3:0-1-12,Edge], [8:0-0-8,Edge], [8:0-1-10,0-2-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	0.12	8-10	>846	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.43	13-15	>788	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.94	Horz(TL)	-0.04	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 283 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.1D
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-5 oc bracing.
WEBS 1 Row at midpt 5-12, 4-15, 2-15

REACTIONS (lb/size) 8=537/0-4-0, 17=1815/0-4-0, 12=2509/0-4-0
Max Horz 8=-165(load case 6)
Max Uplift8=-435(load case 4), 17=-813(load case 5), 12=-1265(load case 6)
Max Grav 8=542(load case 10), 17=1815(load case 1), 12=2509(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=-219/406, 6-7=-348/542, 7-8=-379/307, 8-9=-8/40, 3-4=-1891/1153, 4-42=-1856/1089, 5-42=-1999/1124, 1-43=-2333/1272, 2-43=-2041/1213, 2-3=-1908/1167, 1-17=-1674/1002
BOT CHORD 8-10=-286/340, 10-12=-777/656, 6-10=-493/384, 16-17=-243/396, 15-16=-1005/1941, 14-15=-958/1854, 13-14=-958/1854, 12-13=-849/1755, 11-12=0/0
WEBS 7-10=-809/647, 5-12=-2706/1456, 5-13=-126/441, 4-13=-210/209, 4-15=-454/348, 3-15=-496/911, 2-15=-581/414, 2-16=-166/219, 1-16=-780/1581

JOINT STRESS INDEX
1 = 0.78, 2 = 0.41, 3 = 0.86, 4 = 0.41, 5 = 0.65, 6 = 0.36, 7 = 0.42, 8 = 0.63, 8 = 0.70, 10 = 0.67, 12 = 0.38, 13 = 0.43, 14 = 0.67, 15 = 0.57, 16 = 0.72, 17 = 0.78, 18 = 0.34, 19 = 0.34, 20 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34, 39 = 0.34, 40 = 0.34, 41 = 0.34 and 41 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 1.
7) Gable studs spaced at 2-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 435 lb uplift at joint 8, 813 lb uplift at joint 17 and 1265 lb uplift at joint 12.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 5-9=-87(F=-33), 3-42=-112(F=-58), 5-42=-87(F=-33), 1-43=-87(F=-33), 3-43=-112(F=-58), 8-10=-30, 12-17=-30, 11-12=-30

DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD MODIFICATIONS
L219438	T02G	GABLE	1	1	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 5-9=-87(F=-33), 3-42=-112(F=-58), 5-42=-87(F=-33), 1-43=-87(F=-33), 3-43=-112(F=-58), 8-10=-30, 12-17=-30, 11-12=-30

DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD McCONAUGHEY Dwg #1206061007
L219438	T03	COMMON	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:23 2006 Page 1

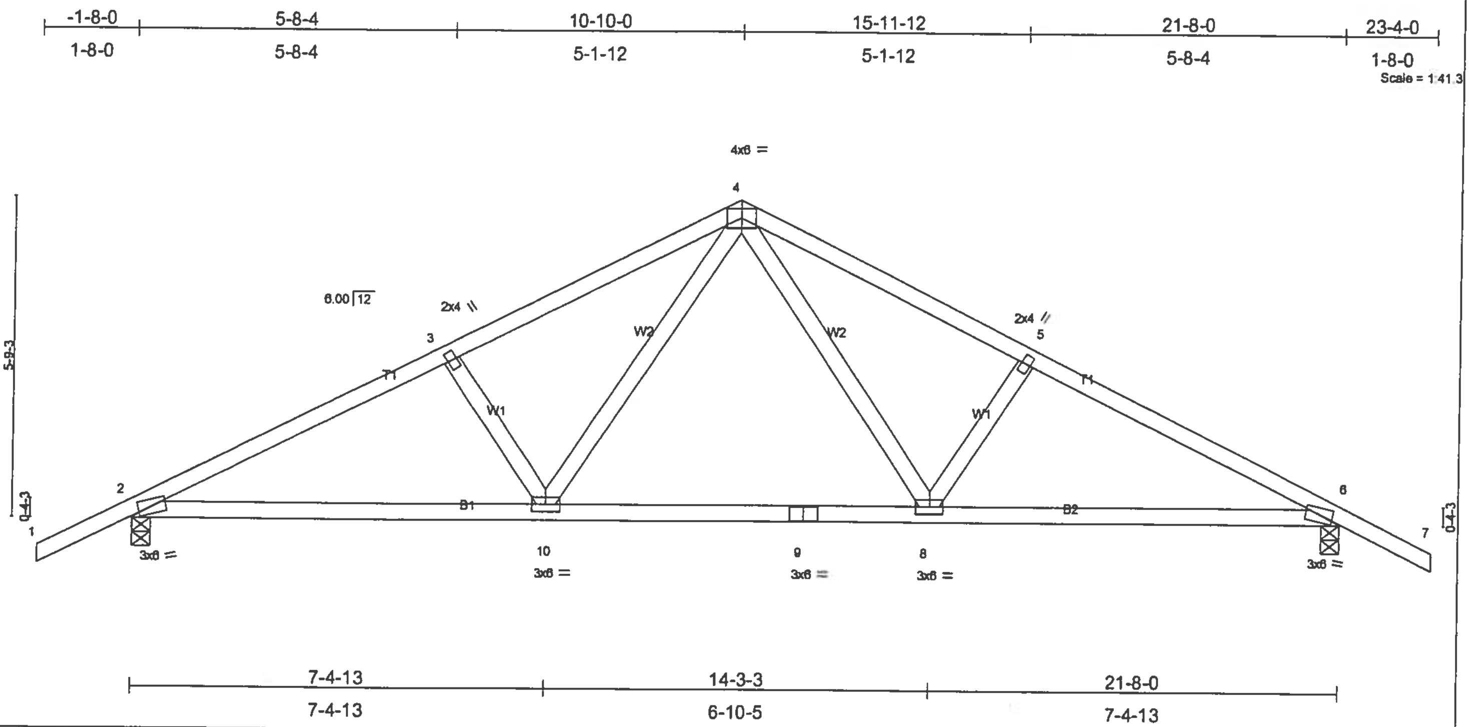


Plate Offsets (X,Y): [2:0-1-13,0-0-7], [6:0-1-13,0-0-7]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.32	8-10	>789	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-14 oc bracing.

REACTIONS (lb/size) 2=1167/0-4-0, 6=1167/0-4-0
Max Horz 2=108(load case 5)
Max Uplift2=-730(load case 5), 6=-730(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-1906/1366, 3-4=-1749/1371, 4-5=-1749/1371, 5-6=-1906/1366, 6-7=0/39
BOT CHORD 2-10=-1092/1632, 9-10=-664/1123, 8-9=-664/1123, 6-8=-1092/1632
WEBS 3-10=-250/229, 4-10=-635/739, 4-8=-635/739, 5-8=-250/230

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.59, 5 = 0.34, 6 = 0.81, 8 = 0.56, 9 = 0.73 and 10 = 0.56

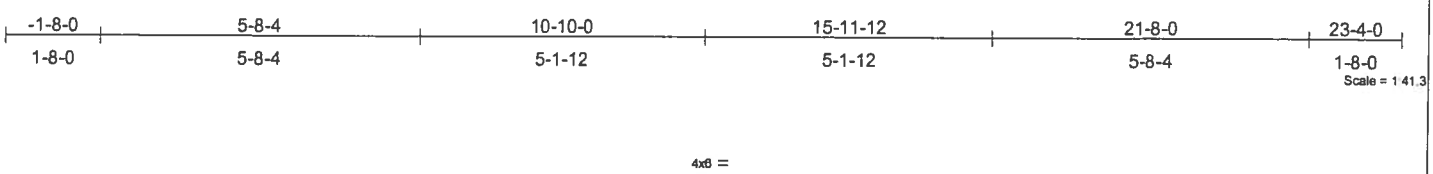
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 730 lb uplift at joint 2 and 730 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

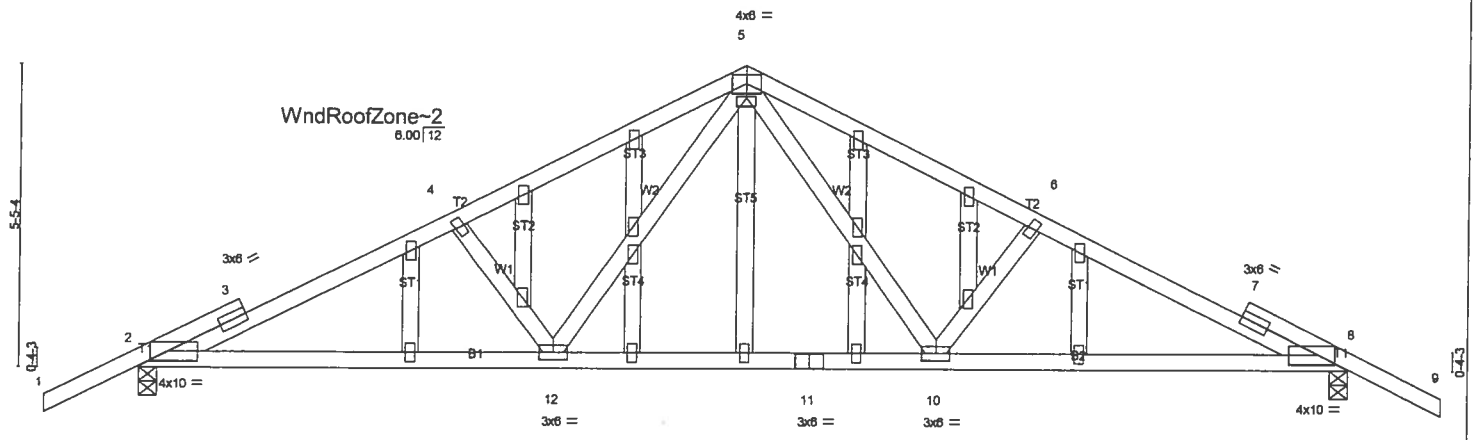
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

~~December 06, 2006 Truss Design Engineer:~~
Thomas E. Miller PE 56877, Byron K. Anderson PE 60987
Structural Engineering and Inspections, Inc. EB 9196
16105 N. Florida Ave. Ste B, Lutz, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD WOODS RESIDENCE
L219438	T03G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:25 2006 Page 1





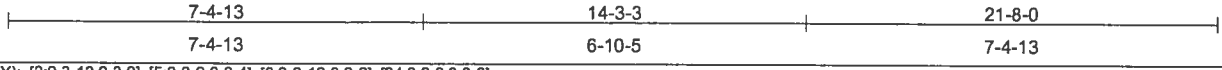


Plate Offsets (X,Y): [2:0-3-12,0-2-0], [5:0-2-0,0-0-4], [8:0-3-12,0-2-0], [24:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	0.31	8-10	>830	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.27	8-10	>945	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 134 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-2-14 oc bracing.

REACTIONS (lb/size) 2=1408/0-4-0, 8=1408/0-4-0
Max Horz 2=-103(load case 6)
Max Uplift2=-945(load case 5), 8=-945(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-16/63, 2-3=-2323/2277, 3-4=-2275/2272, 4-5=-2050/2155, 5-6=-2050/2155, 6-7=-2275/2272, 7-8=-2323/2277, 8-9=-16/63
BOT CHORD 2-12=-1940/2041, 11-12=-1116/1293, 10-11=-1116/1293, 8-10=-1940/2041
WEBS 4-12=-528/517, 5-12=-938/796, 5-10=-938/796, 6-10=-528/517

JOINT STRESS INDEX
2 = 0.79, 3 = 0.00, 3 = 0.78, 4 = 0.34, 5 = 0.76, 5 = 0.63, 6 = 0.34, 7 = 0.00, 7 = 0.78, 8 = 0.79, 10 = 0.59, 11 = 0.47, 12 = 0.59, 13 = 0.34, 14 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34 and 27 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 945 lb uplift at joint 2 and 945 lb uplift at joint 8.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-87(F=-33), 5-9=-87(F=-33), 2-8=-30

DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

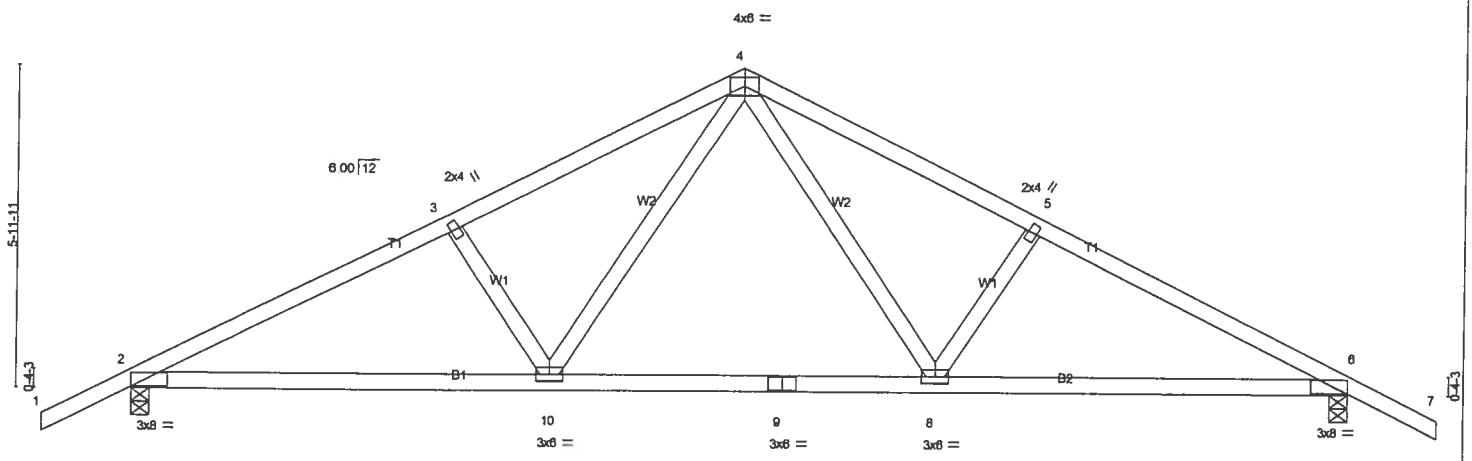
Job	Truss	Truss Type	Qty	Ply	RICHARD WOODEN 2006ONE05
L219438	T04	COMMON	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:26 2006 Page 1

-1-8-0 | 5-10-12 | 11-3-0 | 16-7-4 | 22-6-0 | 24-2-0

1-8-0 | 5-10-12 | 5-4-4 | 5-4-4 | 5-10-12 | 1-8-0

Scale = 1:42.7



7-8-3 | 14-9-13 | 22-6-0

7-8-3 | 7-1-11 | 7-8-3

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.23	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.37	8-10	>725	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 106 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-5 oc bracing.

REACTIONS (lb/size) 2=1208/0-4-0, 6=1208/0-4-0
Max Horz 2=110(load case 5)
Max Uplift2=-476(load case 5), 6=-476(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-1987/643, 3-4=-1824/641, 4-5=-1824/642, 5-6=-1987/643, 6-7=0/39
BOT CHORD 2-10=-549/1703, 9-10=-281/1170, 8-9=-281/1170, 6-8=-452/1703
WEBS 3-10=-262/232, 4-10=-268/773, 4-8=-268/773, 5-8=-262/233

JOINT STRESS INDEX
2 = 0.74, 3 = 0.34, 4 = 0.62, 5 = 0.34, 6 = 0.74, 8 = 0.59, 9 = 0.86 and 10 = 0.59

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 476 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

DECEMBER 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	RICHARD WOOD Dwg #1206N504
L219438	T04G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 06 11:47:27 2006 Page 1

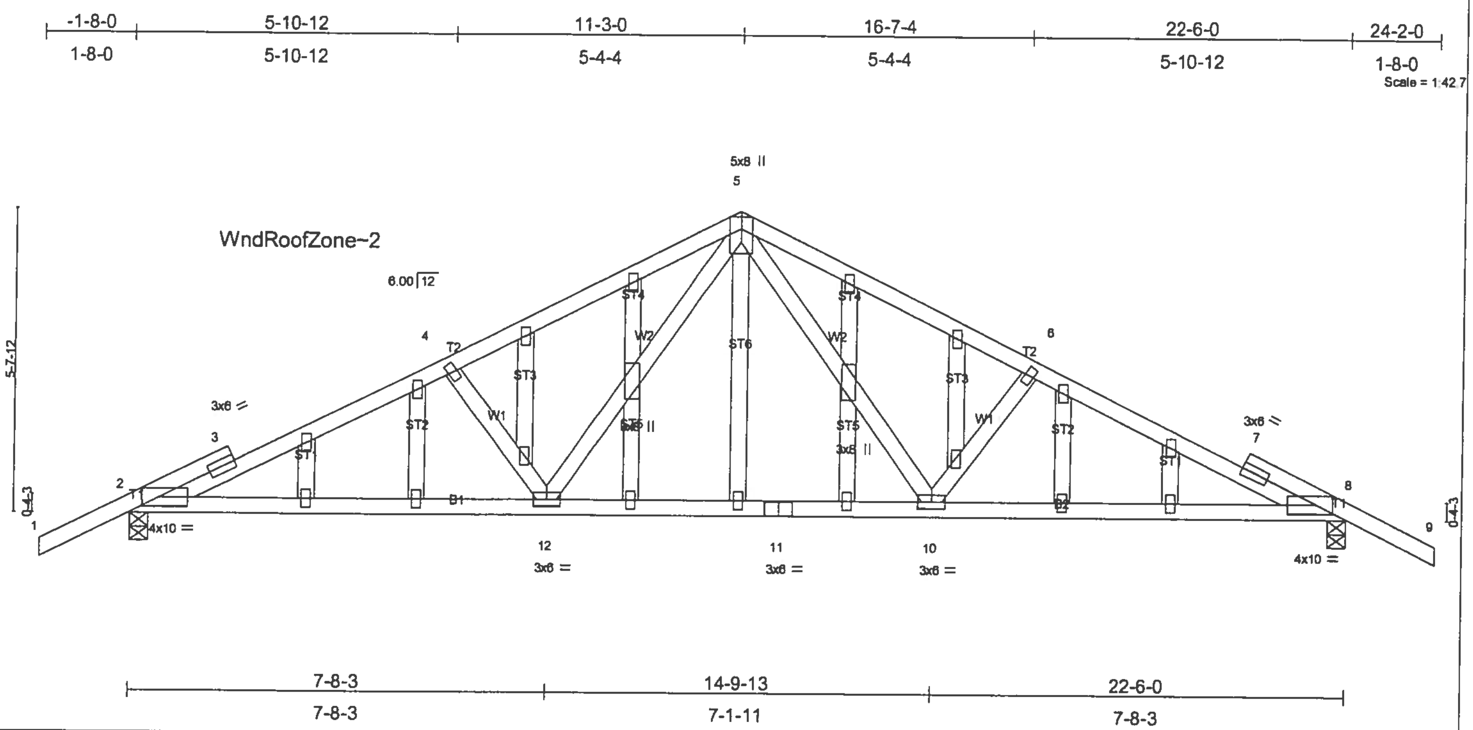


Plate Offsets (X,Y): [2:0-3-12,0-2-0], [8:0-3-12,0-2-0]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	0.31	2-12	>851	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.31	2-12	>862	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 144 lb	

Spacing: 2-0-0

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-13 oc bracing.

REACTIONS (lb/size) 2=1456/0-4-0, 8=1456/0-4-0
Max Horz 2=-106(load case 6)
Max Uplift2=-849(load case 5), 8=-849(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3/63, 2-3=-2414/1905, 3-4=-2367/1912, 4-5=-2132/1846, 5-6=-2132/1846, 6-7=-2367/1912, 7-8=-2414/1905, 8-9=-3/63
BOT CHORD 2-12=-1618/2120, 11-12=-907/1344, 10-11=-907/1344, 8-10=-1618/2120
WEBS 4-12=-548/414, 5-12=-844/829, 5-10=-844/829, 6-10=-548/414

JOINT STRESS INDEX
2 = 0.82, 3 = 0.00, 3 = 0.82, 4 = 0.34, 5 = 0.67, 6 = 0.34, 7 = 0.00, 7 = 0.82, 8 = 0.82, 10 = 0.62, 11 = 0.51, 12 = 0.62, 13 = 0.34, 14 = 0.61, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.61, 26 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34 and 31 = 0.34

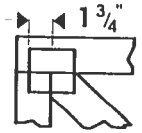
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 849 lb uplift at joint 2 and 849 lb uplift at joint 8.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-87(F=-33), 5-9=-87(F=-33), 2-8=-30

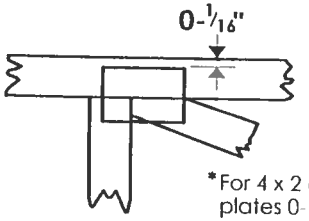
~~December 06, 2006 Truss Design Engineer:~~
Thomas E. Miller PE 56877, Byron K. Anderson PE 60987
Structural Engineering and Inspections, Inc. EB 9196
16105 N. Florida Ave. Ste B, Lutz, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



*For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

*This symbol indicates the required direction of slots in connector plates.

***Plate location details available in MiTek 20/20 software or upon request.**

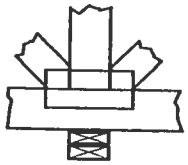
PLATE SIZE

4 x 4 — The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

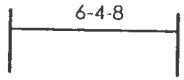


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

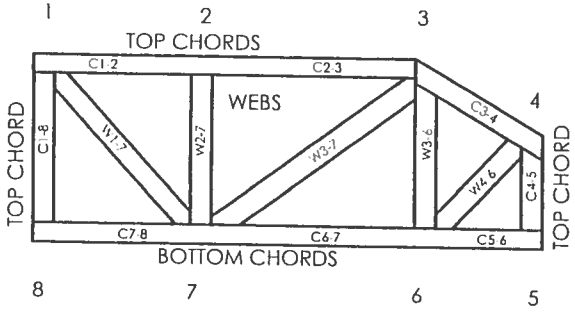
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A

MiTek®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

Notice of Treatment Amnd to 19326

Applicator: **Florida Pest Control & Chemical Co. (www.flapest .com)**
Address: Baya Ave
City Lake City Phone 752-1703

Site Location: Subdivision Deep Creek Plantation
Lot # ______ Block# ______ Permit # 25405
Address 2508 NW Sunset Rd

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☑ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Front/back porch + carport	1069		110

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

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

Date: 3/5/07 Time: 1105 Print Technician's Name: [illegible]

Remarks: ______

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

Notice of Treatment 12264

Applicator: **Florida Pest Control & Chemical Co. (www.flapest .com)**
Address: 536 SE Baya Dr.
City Lake City Phone (386) 752-1703

Site Location: Subdivision N A
Lot # N A Block# N A Permit # 25438
Address 2508 NW Oansa Rd Lake City

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	~~0.1%~~ .05%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Main Body	1424	166	150

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

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

Date: 02-26-07 Time: 830 Print Technician's Name: R D Crawford

Remarks: ______

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 31-1S-17-04609-000 **Building permit No.** 000025438

Use Classification SFD/UTILITY **Fire:** 10.79

Permit Holder RICHARD MCDONALD **Waste:** 16.75

Owner of Building JIMMY WALKER-DEEP CREEK PLANTATION **Total** 27.54

Location: 2508 NW CANSA RD, LAKE CITY, FL

Date: 09/05/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)