

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0607-11 Date Received 7/7 By ATW Permit # 24756
Application Approved by - Zoning Official BLK Date 7-13-06 Plans Examiner DKJH Date 7-13-06
Flood Zone X Development Permit N/A Zoning RR Land Use Plan Map Category Res U.L. Dev.
Comments _____
CK# 1864

Applicants Name Justin J. Jenkins Phone 386-719-2240
Address 694 SW main Blvd Lake City, FL 32024
Owners Name John Livingston Phone 386-344-1150
911 Address 236 SW Titanium Ct. Lake City, FL 32024
Contractors Name Jenkins Contracting, LLC - Michael Jenkins Phone 386-719-2240
Address 694 SW main Blvd Lake City, FL 32024
Fee Simple Owner Name & Address John Livingston 3818 NW Archer St. Apt 101 Lake City, FL 32051
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Mark Disasway P.E., 163 SW Midtown Pl. St. 103, Lake City, FL 32025
Mortgage Lenders Name & Address Century Bank F.S.B., 1680 Fruitville Rd. Sarasota, FL 34236
Circle the correct power company - FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 16-45-16-03024-014 Estimated Cost of Construction \$ 88,100.00
Subdivision Name N/A Lot N/A Block N/A Unit N/A Phase N/A
Driving Directions Hwy 247 South, Right on Tamarack Loop (2nd Loop), Left on Legion Dr., Right on Titanium Ct., Property is on Left @ curve.

Type of Construction Single Family Residential Number of Existing Dwellings on Property 0
Total Acreage 3.28 Lot Size N/A Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 75' Side 225' Side 169' Rear 150'
Total Building Height 19'8.5" Number of Stories 1 Heated Floor Area 1762 sf Roof Pitch 6/12
Porch 306 GARAGE 776 TOTAL 2844

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 07TH day of JULY 2006.
Personally known X or Produced Identification _____

Contractor Signature

Contractors License Number C6C1507486

Competency Card Number _____

NOTARY STAMP/SEAL

Notary Signature



M. L. Church

Commission # DD425257

Expires May 3, 2009

Bonded Troy Palm Insurance, Inc. 800-385-7019

\$ 573.44

TW called Justin 7/7/06

06-003 1



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32256

Tel. (904) 755-3633 • Fax (904) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

"Excellence in Engineering & Geoscience"

24756

JOB NO: 06-485

DATE TESTED: 8/15/06

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: D-2922 (Nuclear) D-2937 (Drive Cylinder) Other

PROJECT: Livingston

CLIENT: TenKins

GENERAL CONTRACTOR: EARTHWORK CONTRACTOR:

SOIL USE: 1 Footings SPECIFICATION REQUIREMENTS: 95

TECHNICIAN: Dsleen

MODIFIED (ASTM D-1557): STANDARD (ASTM D-698):

TEST NO.	TEST LOCATION	TEST DEPTH ELEV. LIFT#	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST. PERCENT	% MAX.DENS.
1	N wall 15' off E wall	12"	BT	112.0	105.7	6.0	100.5
2	E wall 10' off N wall	"	"	113.1	105.8	6.9	100.6
3	S wall 12' off E wall	"	"	114.4	106.8	7.1	101.5
4	W wall 10' off N wall	"	"	112.9	105.7	6.8	100.5

REMARKS: permit # 24756

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
<u>Brian Timmerman</u>		<u>105.2</u>	<u>12.4</u>

NOTE: SOIL USES: 1. Building Pad Fill 2. Trench Backfill 3. Base Course 4. Subbase-Stabilized Subgrade 5. Embankment
6. Subgrade - Natural Soil 7. Other

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test location and change with time, sound judgment should be exercised with regard to the use and interpretation of the data.

**Cal-Tech Testing, Inc.**

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3833 • Fax(386)752-6458

8919 Distribution Ave. S., Unit #6, Jacksonville, FL 32257 • Tel(904)282-4048 • Fax(904)282-4047

2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

JOB NO.:

DATE TESTED:

DATE REPORTED:

RECEIVED

SEP 01 2006

Jenkins Contracting LLC
Lake City

06-485

8/31/06

8/31/06

REPORT OF IN-PLACE DENSITY TEST

PROJECT:	Livingston Residence, Lake City, FL
CLIENT:	Jenkins Contracting, PO Box 1734, Lake City, FL 32056
GENERAL CONTRACTOR:	Jenkins Contracting
EARTHWORK CONTRACTOR:	Jenkins Contracting
INSPECTOR:	Russ Cunningham
ASTM METHOD	SOIL USE
(D-2922) Nuclear ▼	BUILDING FILL ▼
SPECIFICATION REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
5	10' North 5' East of SW Corner	0-12"	107.4	6.0	101.3	PIT	105.2	96.3%
6	20' East 5' South of NW Corner	0-12"	109.0	5.4	103.4	PIT	105.2	98.3%
7	6' North 6' West of SE Corner	0-12"	108.9	5.3	101.5	PIT	105.2	96.5%
8	6' South 6' West of NE Corner	0-12"	106.6	6.5	100.1	PIT	105.2	95.1%
9	Center of Garage	0-12"	109.3	6.6	102.5	PIT	105.2	97.5%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
PIT	Brian Timmerman Pit	105.2	12.4	MODIFIED (ASTM D-1557) ▼

 Respectfully Submitted,
 CAL-TECH TESTING, INC.

Linda M. Creamer
President - CEO

Reviewed By:

Date: 8/31/06
Florida Registration No: 52612

sw

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- Environmental

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Tel. (904) 262-4046 • Fax (904) 262-4047

24756

"Excellence in Engineering & Geoscience"

JOB NO: 06-485

DATE TESTED: 8/15/06

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: D-2922 (Nuclear) D-2937 (Drive Cylinder) Other

PROJECT: Livingston

CLIENT: Jenkins

GENERAL CONTRACTOR: EARTHWORK CONTRACTOR:

SOIL USE: 1 Tooling SPECIFICATION REQUIREMENTS: 95

TECHNICIAN: D. Steen

MODIFIED (ASTM D-1557): STANDARD (ASTM D-698):

TEST NO.	TEST LOCATION	TEST DEPTH ELEV. LIFT#	PROCTOR NO.	WET DENS. LBS./CU.FT.	DRY DENS. LBS./CU.FT.	MOIST. PERCENT	% MAX. DENS.
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2	E Wall 10' off N Wall	"	"	113.1	105.8	6.9	100.6
3	S Wall 12' off E Wall	"	"	114.4	106.8	7.1	101.5
4	W Wall 10' off N Wall	"	"	112.9	105.7	6.8	100.5

REMARKS: Permit # 24756

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
	Brian Timmerman	105.2	12.4

NOTE: SOIL USES: 1. Building Pad Fill 2. Trench Backfill 3. Base Course 4. Subbase-Stabilized Subgrade 5. Embankment
6. Subgrade - Natural Soil 7. Other

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New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

24756

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Jenkins Contracting Company Phone No. 719-2240

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) John Livingston Residence
230 SW Titanium Ct.
Lake City, FL 32024
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 9/1/06
Brand Name of Product(s) Used Cypermethrin GPRO
EPA Registration No. 79646-1
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 2844 Linear ft. 780 Linear ft. of Masonry Voids 2164
Approximate Total Gallons of Solution Applied 620 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 9/1/06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

out swing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Regent" & "Omega" 18 ga. 3⁰-7⁰ Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No. RD0087, titled "3-0 x 7-0 Series", sheets 1 through 7 of 7, dated 5/30/97 with revision C dated 2/24/00, prepared by the manufacturer, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

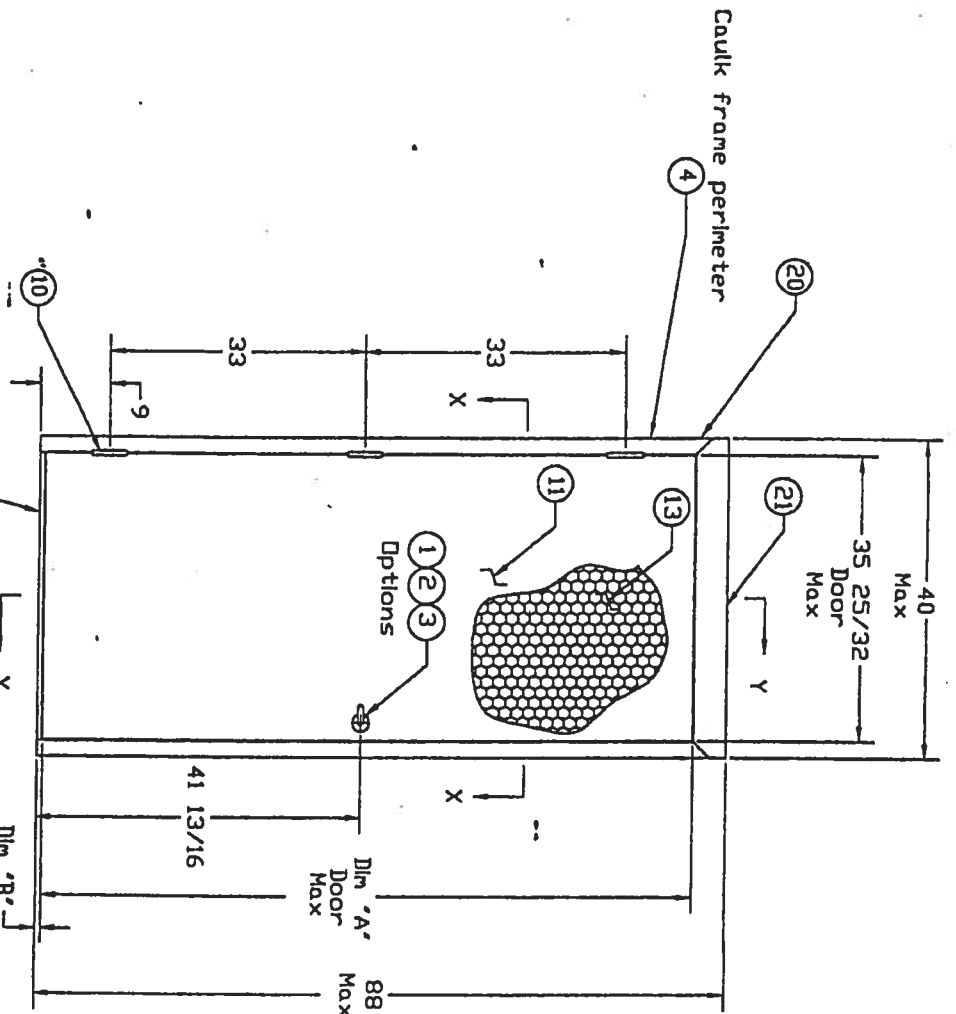
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 00-0315.03 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Manuel Perez, P.E.



NOA No 03-0411.01
Expiration Date August 14, 2008
Approval Date: May 15, 2003
Page 1



Design Pressure		
Tested For Water Penetration		
With Overhang	+85 psf	-60 psf
Without Overhang	+60 psf	-60 psf

	Dim 'A'	Dim 'B'
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

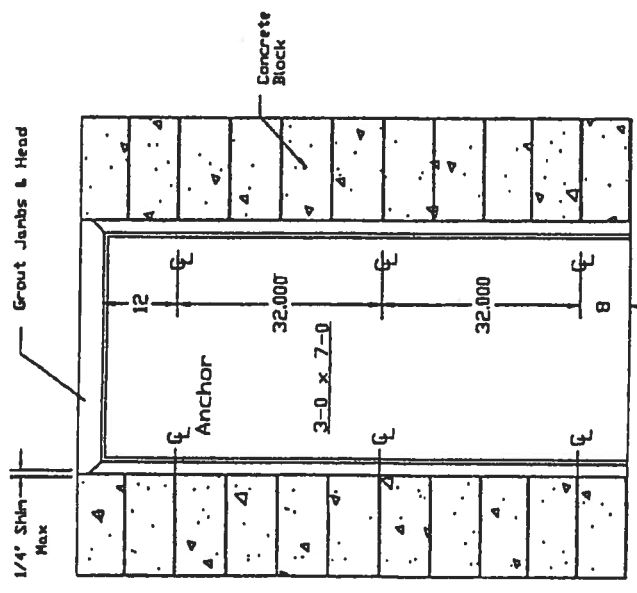
Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-6	Cross Section View
Sheet 7	Bill Of Material

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 03/15/03
By: *William J. Ellis*
Millman Product Control
Checked

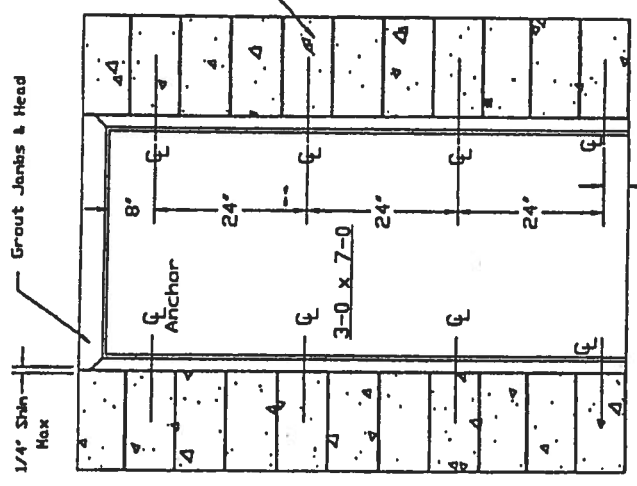
MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Elevation Drawing
CECD DOOR PRODUCTS
Millman, Tennessee 38358

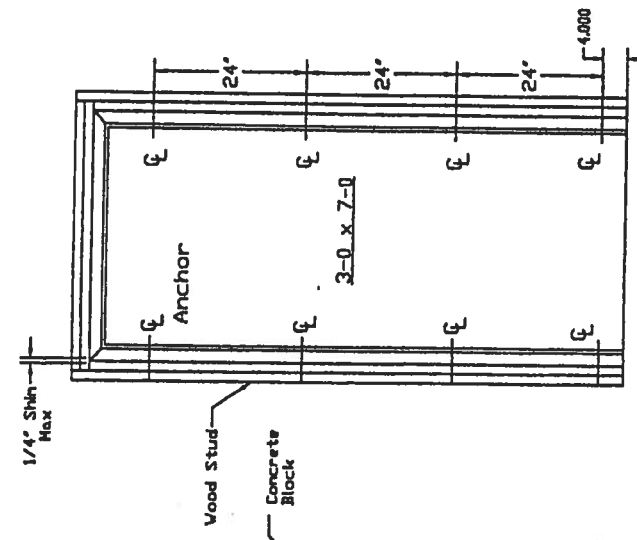
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: <i>Sept 08 2000</i> BY: <i>William J. Ellis</i>	
PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 03-0411-01	
5/30/97	Revised Formal, Transferred Information from NOA
7/23/97	Revised CD Drawings Revised Sheet Numbers
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD00087	
Sheet 1 of 7	



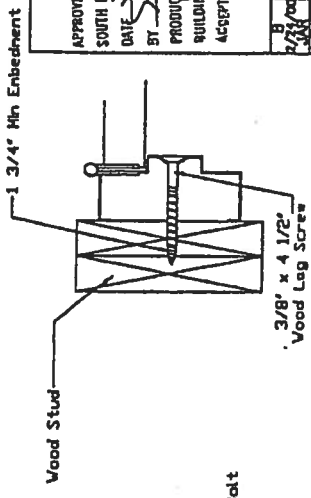
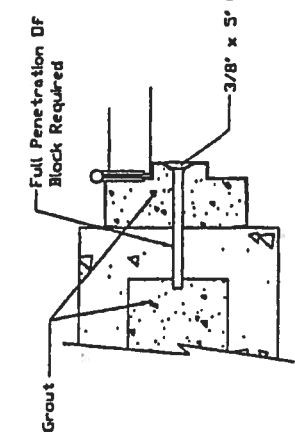
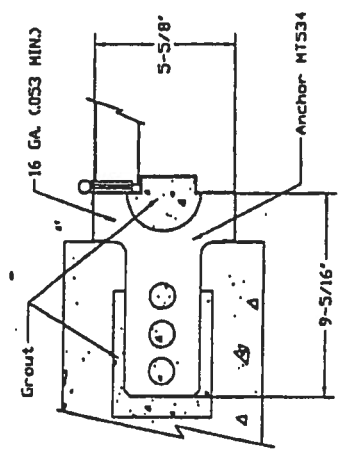
Masonry 'T' Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud



NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

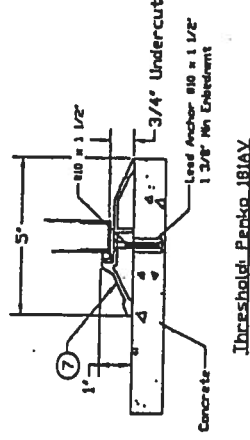
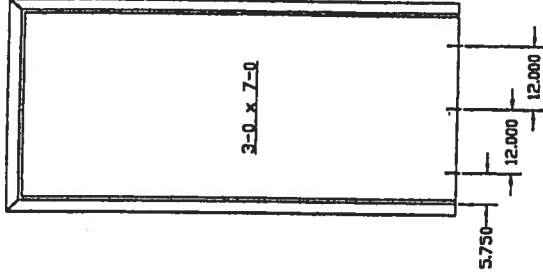
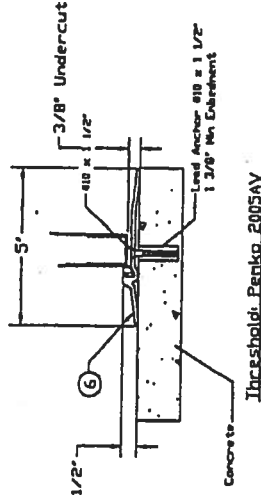
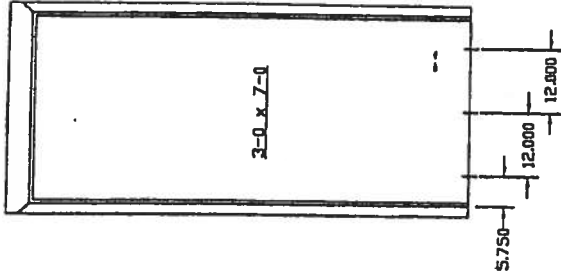
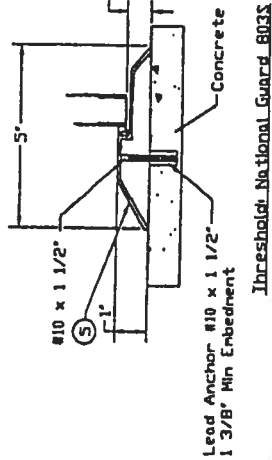
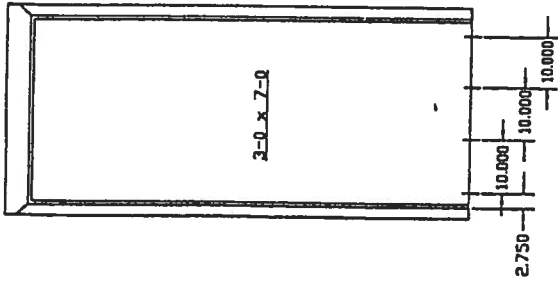
Frame Anchor Installation Details

CECO DOOR PRODUCTS
Milton, Tennessee 38358

MATERIAL SPECIFICATIONS:

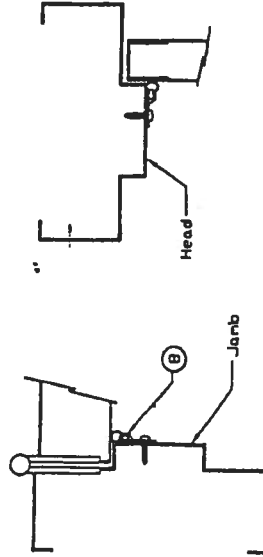
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>June 28, 2000</u> BY <u>Shawnee</u>		Revised Format, Transferred 2/28/00 Information from NOA
PRODUCED CONFORMS TO THE BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-0315-03</u>		Revised Sheet Number 7/22/07 GWS
ISSUE	REVISIONS	
DRAWN BY: GWS	DATE: 5/30/97	
DRAWING NUMBER: RD0087		Sheet 2 of 7

PRODUCT REVIEWED as complying with the Florida Building Code Acceptance No. 00-0411-01 Expiration Date 06/28/2008 By Shawnee Director, Miami-Dade Product Control Division



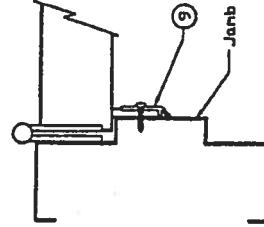
PRODUCT REVIEWED
as complying with the Florida
Building Code No. 03-0411.01
Approval Date: 08/16/98
Expiration Date: 08/16/08
By: [Signature]
Nimble Product Control
Unlikely

NOTE: 1. All thresholds shown are made from extruded
aluminum with slide-in vinyl weatherstrip insert.



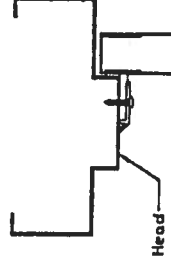
Threshold: National Guard 303AS

NOTE:
2. LOCATION: ALONG THE ENTIRE HEAD AND JAMB
PERIMETER. ATTACHED WITH THIRTY FOUR (34)
#8 X 3/4" PPH SHS SPACED AT 6" O/C.



Threshold: National Guard 130NA

NOTE:
3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB
PERIMETER. ATTACHED WITH THIRTY FOUR (34)
#8 X 3/4" PPH SHS SPACED AT 6" O/C.



MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip
Installation details

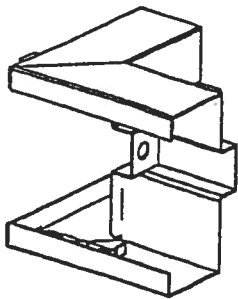
NOTE: 4. See Sheet 7 for Bill of Material

CECO DOOR PRODUCTS
Milan, Tennessee 38358

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 08/16/98
BY: [Signature]
PRODUCT COMPLIANCE DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

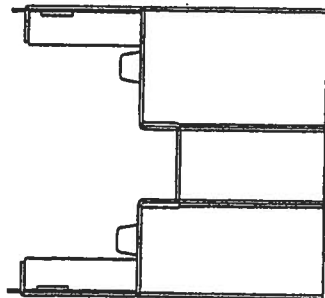
2/21/00 JMB	Revised Formel. Transferred Information from NOA
7/22/97 DMS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97

RD0087
Sheet 3 of 7

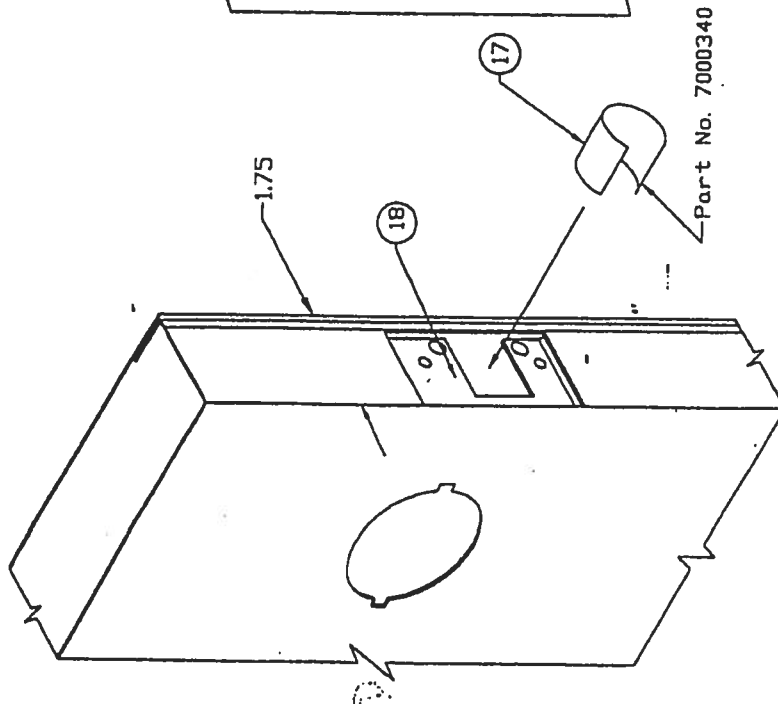
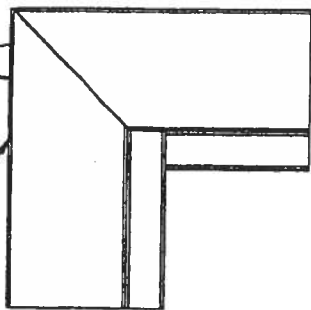


Interlocking Fold Over Tab

Frame Head



Frame Jamb



Part No. 7000340

Note: 1. For Cylindrical Lock Only
2. See Sheet 7 For Bill Of Material

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-P411-01
Expiration Date 06/13/2008
By *Michael Diaz*
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08 2008*
BY *Michael Diaz*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0314-03

2/2/00 A 7/2/97 GWS	Revised Format, Transferred Information from NOA
7/2/97 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 6/06/97
DRAWING NUMBER: RD0087	

Sheet 4 of 7

MATERIAL SPECIFICATIONS:

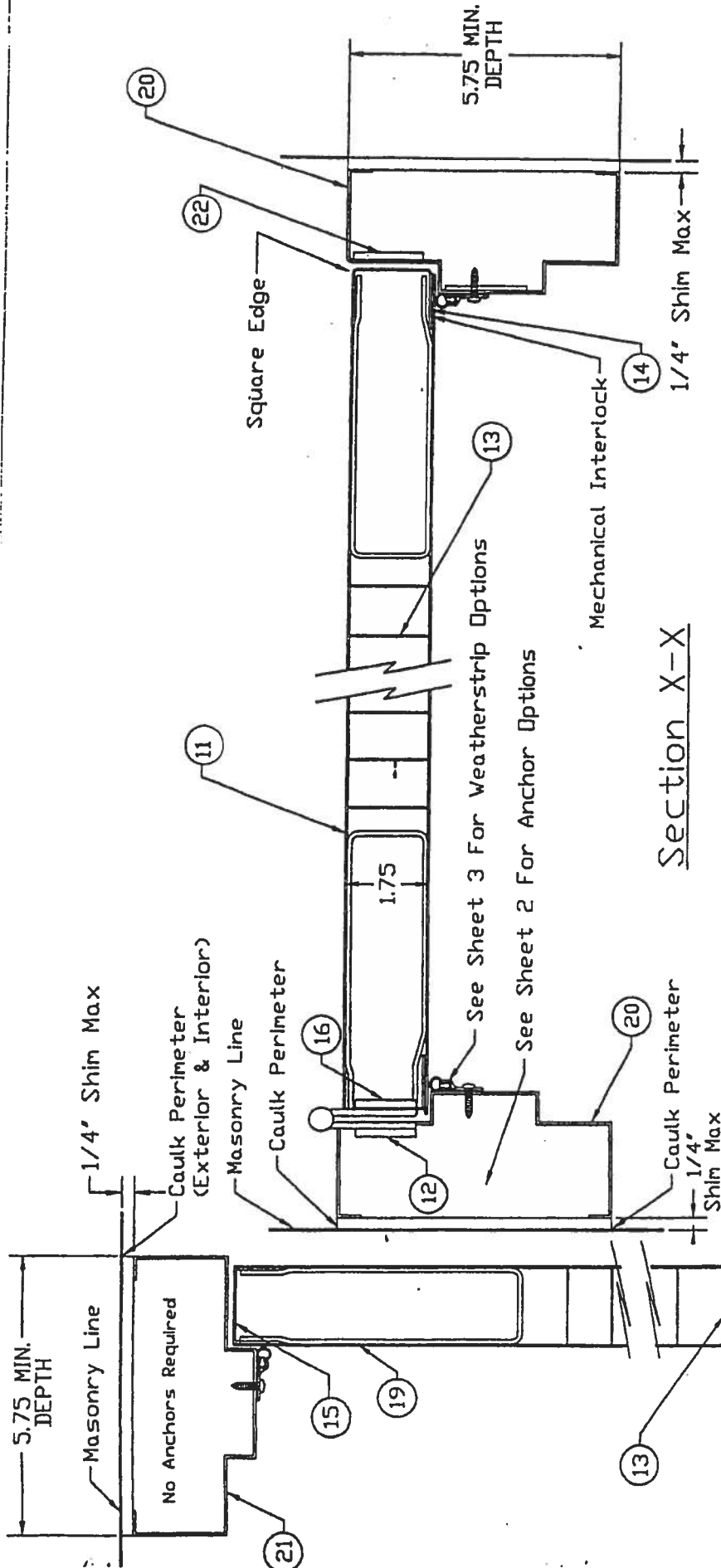
Cylindrical Lock Reinforcement
and "SF" Series Frame Corner
Installation Details

 CECO DOOR PRODUCTS
Milan, Tennessee 38358



Note: See Sheet 7 For Bill Of Material





Section X-X

See Sheet 3 For Threshold Options

Note: See Sheet 7 For Bill Of Material

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 09, 2000
BY [Signature]
PRODUCT CONTROL DIVISION ON
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-034503

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date June 13, 2008
By [Signature]
Miami-Dade Product Control
Division

7/23/97 GWS	7/23/97 GWS	Revised Sheet Number
7/23/97 GWS	7/23/97 GWS	Revised Format, Transferred Information from NOA
ISSUE	REVISIONS	
DRAWN BY: GWS	DATE: 5/30/97	
DRAWING NUMBER: RD00087	Sheet 6 of 7	

Section Y-Y

MATERIAL SPECIFICATIONS:

Cross Section View

Omega Door

 CECO DOOR PRODUCTS
Milan, Tennessee 38358

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES A530P GRADE 2, LATCH LOCK, SINGLE LEVER DR KNOB OPERATED		
2	1	HARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES A53070 GRADE 2 LATCH LOCK, SINGLE LEVER DR KNOB OPERATED.		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PERKO #2005AV		
7	1	PERKO #181AV		
8	1 ROV	PERKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TH) BULB INSERT		
9	1 ROV	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
11	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A368		
12	3	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	COMMERCIAL QUALITY COLD ROLLED STEEL MINIMUM YIELD STR. OF Fy=36,000 PSD STEEL	18 GAUGE .0042" MIN. THICK 1-1/4" X 9" X 7 GA
13	1	CORE, FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
14	1	DENTLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15	1	ROLL FORMED STEEL CHANNEL ON THE TOP AND BOTTOM OF THE DOOR SPOT WELDED TO EXTERIOR AND GLUED TO INTERIOR SKIN		1" X 1-3/4" X 1" X 16 GA .0053" MIN
16	3	DOOR HINGE REINFORCEMENT		
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	28 GA. GALV. STEEL	1-1/4" X 9" X 7 GA
18	1	DOOR LOCK REINFORCEMENT	STEEL	.015" THICK X 1.313 INSIDE DIAMETER
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	16 GA .0053"
20	2	SERIES "SF" FRAME JAMB, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. .0053" MIN STEEL	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF" FRAME HEAD, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. .0053" MIN STEEL	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	COMMERCIAL QUALITY COLD ROLLED STEEL MINIMUM YIELD STR. OF Fy=40,000 PSD STEEL	1-1/8" X 2-1/2" X 12 GA.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATA <i>Sept 08-2900</i> BY <i>Maunuel</i> PRODUCT COMPLIANCE DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <i>00-03-15-03</i>		Revised Formet, Transferred Information from NOA 7/2/97 GWS Revised Sheet Number
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <i>03-041-01</i> Expiration Date <i>06-1-2008</i> By <i>Maunuel</i> Miami Basic Product Custody Division		ISSUE REVISIONS DRAWN BY: GWS DATE: 6/02/97
MATERIAL SPECIFICATIONS: 3-0 x 7-0 Series Bill Of Materials		DRAWING NUMBER RD00087 Sheet 7 of 7
 CECO DOOR PRODUCTS Milan, Tennessee 38358		



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

IN SWING

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors -Impact

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0 , Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as approval document mentioned above.

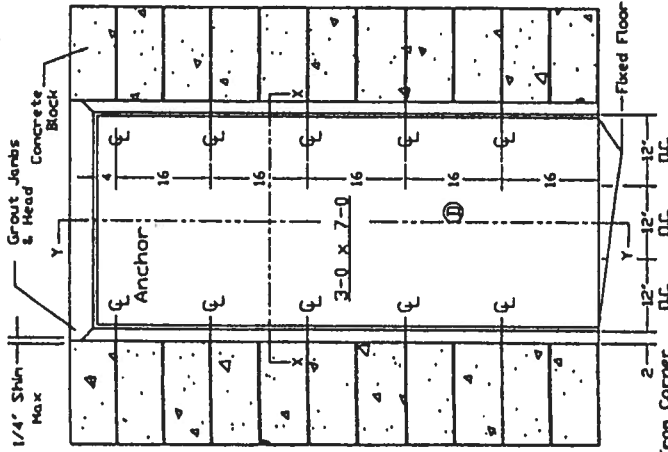
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1

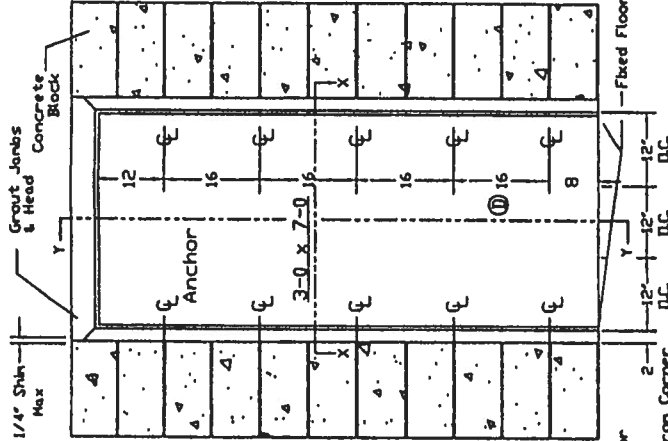
Masonry "T" Anchor

Min. 3500 PSI



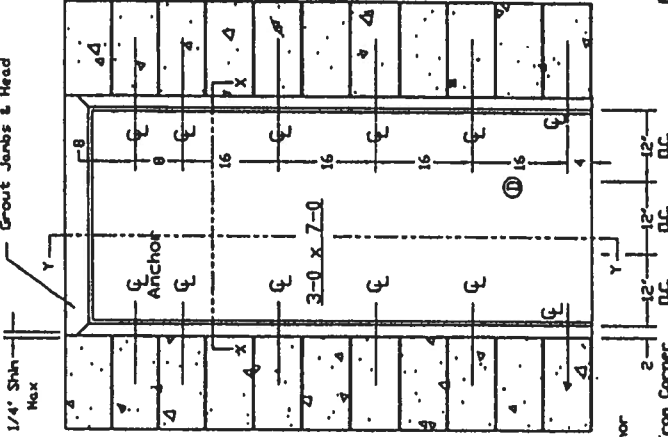
Masonry Wire Anchor

Min. 3500 PSI

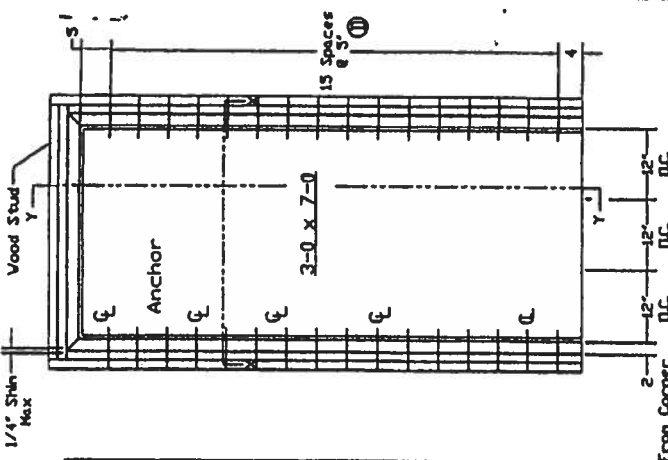


Existing Opening V/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

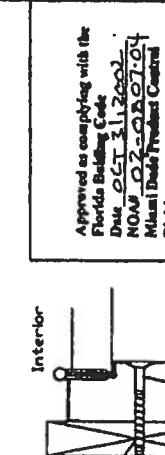
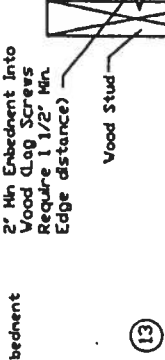
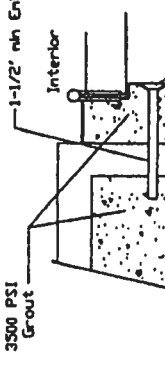
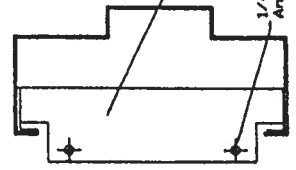
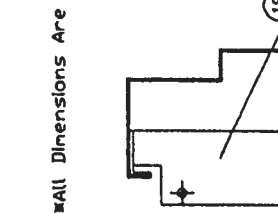
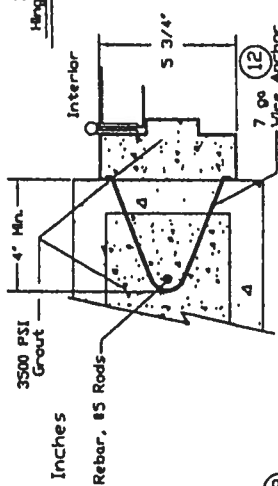


Existing Opening Anchor Into Wood Stud



■ All Dimensions Are Inches

Installation Details
Hinge Joints / Lock Joints



3500 PSI Grout

Rebar, #5 Rods

1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

3500 PSI Grout

Rebar, #5 Rods

1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

3500 PSI Grout

Rebar, #5 Rods

1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

3500 PSI Grout

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1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

3500 PSI Grout

Rebar, #5 Rods

1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

3500 PSI Grout

Rebar, #5 Rods

1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

3500 PSI Grout

Rebar, #5 Rods

1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Joint

Approved as complying with the Florida Building Code
Date: OCT 31 2002
NOAH OCT 31 2002
Miami Dade Permit Central
Division
By: [Signature]

A Revised Per Marked
-Up Drawings From
LT Tishaq Chanda.

ISSUE
DRAWN BY: LT

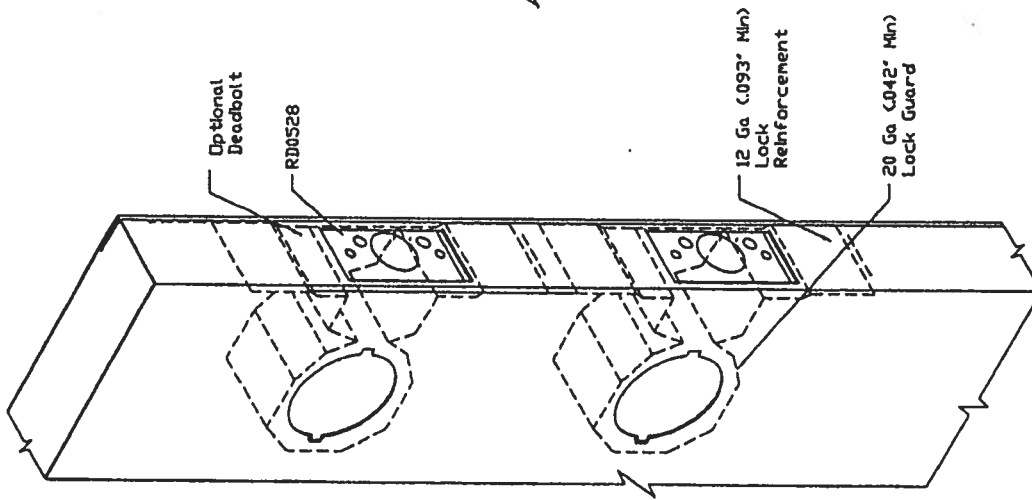
REVISIONS
DATE: 5/22/02

DRAWING NUMBER: RD0728

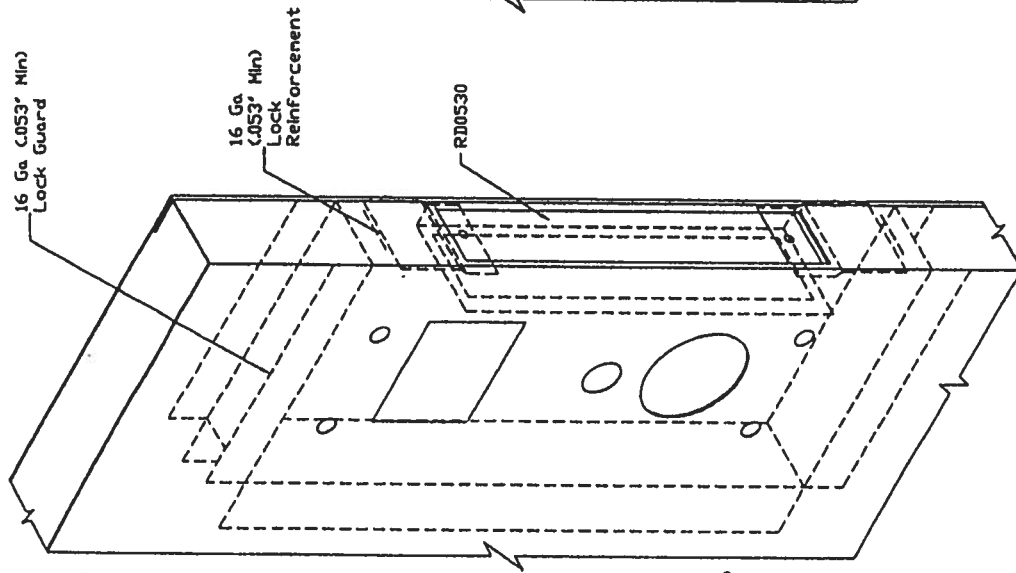
Sheet 2 of 9

Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versador
Installation Details

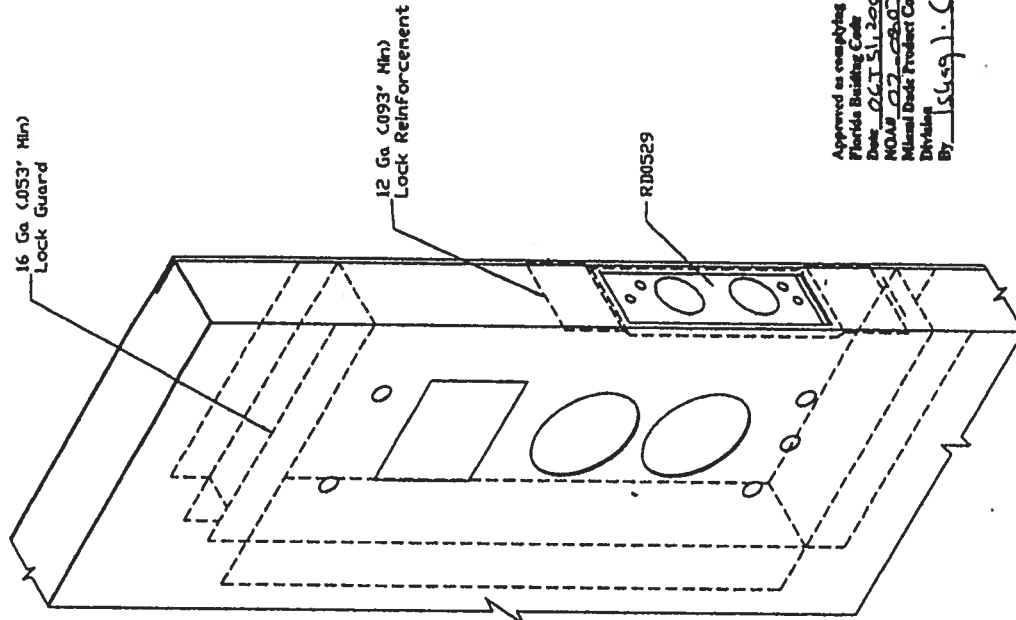
CECO DOOR PRODUCTS
Milan, Tennessee 38358



Schlage AL53PD



Saflok MT



Saflok Premier SL2500

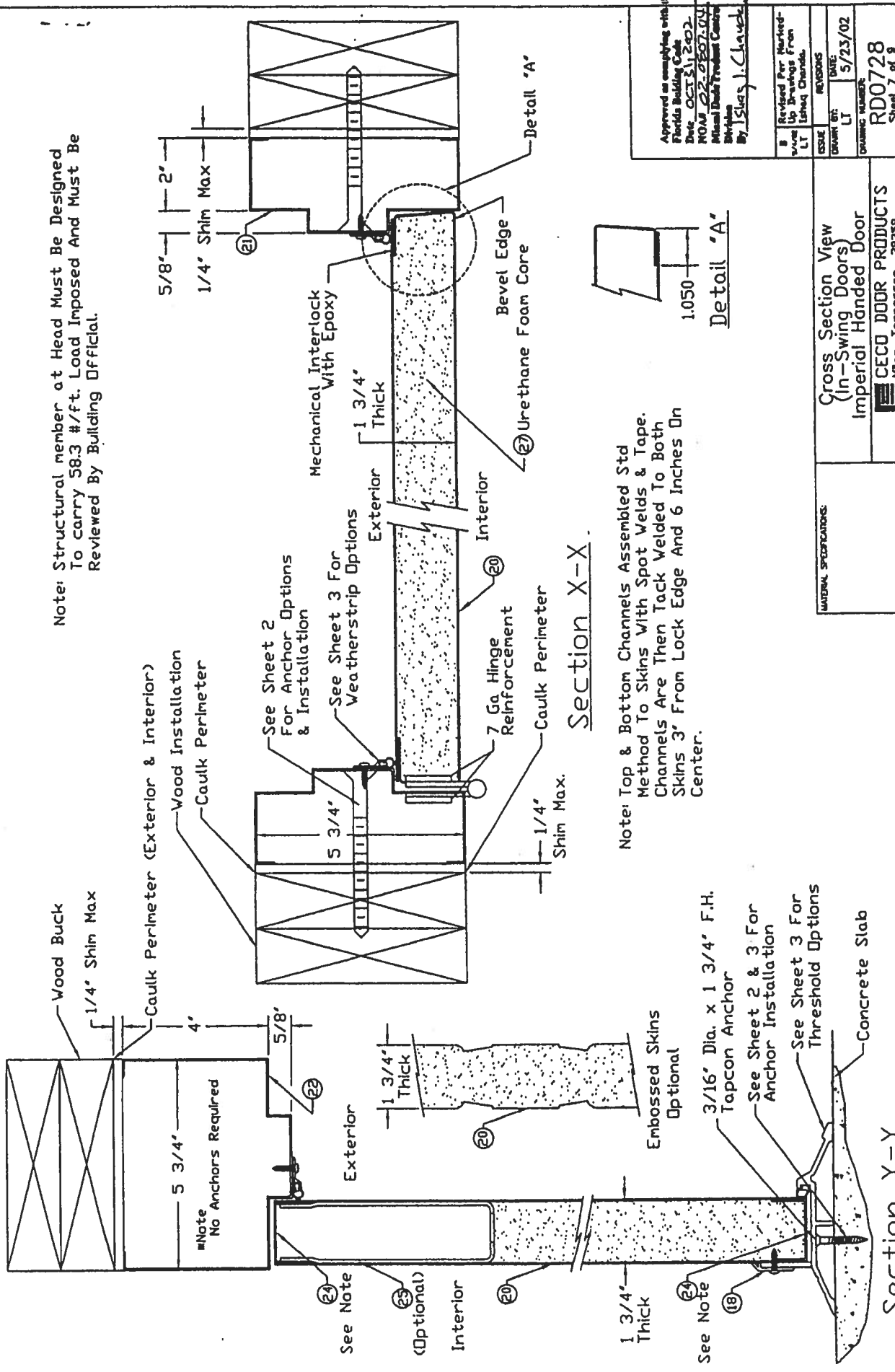
Approved as complying with the
Florida Building Code
Date: OCT 31, 2002
NOAH 027-08-07-04
Miami Dade Product Control
Division
By: [Signature]

A	Added RD0528, RD0529 & RD0530.	ISSUE		REVISIONS	
		DATE	BY	DATE	BY
		5/28/02	LT		
DRAWING NUMBER		RD0728			
Sheet 4 of 9					

Lock Reinforcement (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Reinforcement Details

 **CECO DOOR PRODUCTS**
Milan, Tennessee 38358

MATERIAL SPECIFICATIONS:



Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

See Note
(Optional)
Interior
See Note
See Sheet 2 & 3 For Anchor Installation
See Sheet 3 For Threshold Options

Concrete Slab

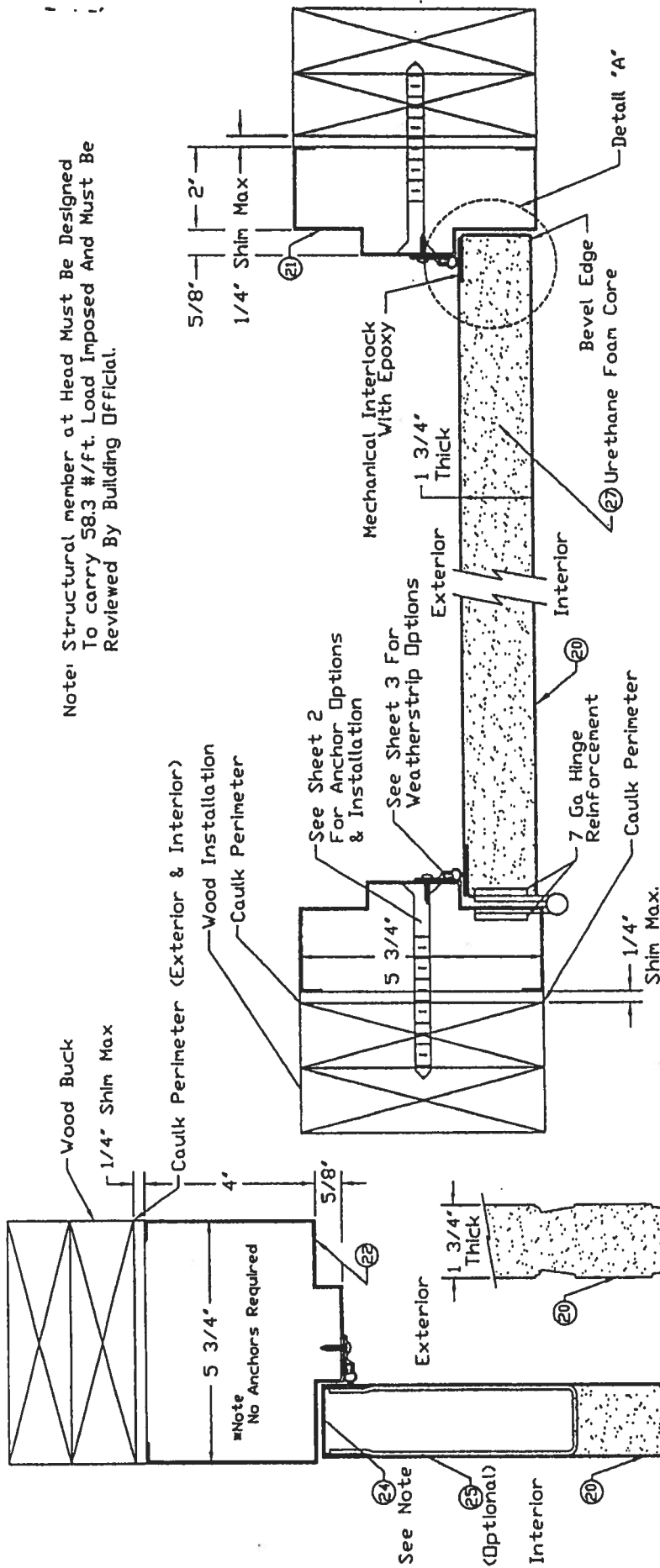
Cross Section View
(In-Swing Doors)
Imperial Handed Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

RD0728
Sheet 7 of 9

Approved as complying with
Florida Building Code
Date: OCT 31, 2002
NOA: 22-0507-04
Mutual Trade Product Council
By: Stacy J. Chapple

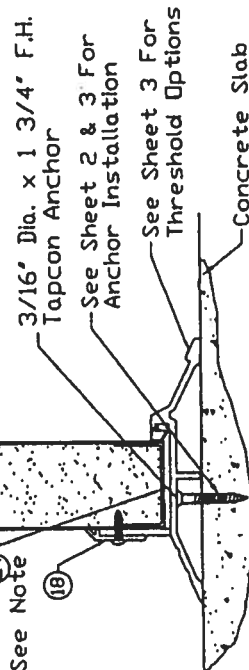
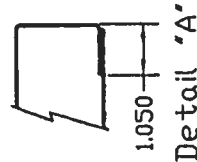
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Note: Structural member at Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3\"/>



Section Y-Y

Approved as complying with the Florida Building Code	
By	DATE
By 15445 J. C. L. L. L.	5/23/02
Revised For Marked-up Drawings From LT Issued Change.	
DATE	REVISIONS
DATE	LT
DRAWING NUMBER: RD0728	
Sheet 8 of 9	

CROSS SECTION VIEW (In-Swing Doors) Versadoor Handed Door	
CECO DOOR PRODUCTS	
MEAN, Tennessee 38358	

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) ①	Schlage	B100
2	Dr Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Dr Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Penko	2005AV36
6	Dr	Penko	181AV36
7	Weatherstrip	Penko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hage)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Dr (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hage)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Penko	S88
11	Frame Anchor	Masonry Tee (RD0057)	16 ga (.053' min) Galv Steel Fymin = 30ksi
12	Dr	Wire, Relaxed Dimension 9' x 8'	#7 (.167' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Dr	Expansion Bolt	3/8" x 5" F.H. Rawl Lok/Bolt
14	Dr	Wood Lag Screw	3/8" x 5" F.H. Ranset/RED Head
15	Viewer	Hager	1755
16	Dr	MAG Security	8724-C
17	Drip Cap/ Top	Penko	346
18	Sweep	Penko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbit Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053' min)	
22	Series SF, Frame Head, Double Rabbit, Profile A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	2' Face, 5-3/4' Depth Min. (RD00333)
23	Door Channels; Spot Welded To Bottom Skin	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD00333)
24	Glued To Top Skin; Tack Welded To Both	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
25	Door Channels; Spot Welded To Bottom Skin	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
26	Taped To Top Skin; Tack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	12 ga (.093' min) x 5-3/8" x 16"
27	Closer Reinforcement (Optional)	12 Ga (.093' min) CS Type B	1.2" Nominal Cell Size
28	Honeycomb Core	Non-impregnated Kraft Paper ⑥	
29	Urethane Core	Foam Enterprises	2 lb/ft ³ Density

Approved as complying with the
Florida Building Code
Date: Oct 31, 2002
NOAH 02-0807-009
Milan Door Product Control
Division
By: LS/eq J. C. K. n. J.

B	Revised Per Marked- 10/10/02 Up Drawings From
LT	Ishaq Chanda.
A	Revised Per Marked- 9/14/02 Up Drawings From
LT	Ishaq Chanda.

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02
DRAWING NUMBER: RD0728	Sheet 9 of 9

3-0 x 7-0 Series
In-Swing Bill Of Materials
 CECO DOOR PRODUCTS
Milan, Tennessee 38358

MATERIAL SPECIFICATIONS:



**AAMA/NWDA 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

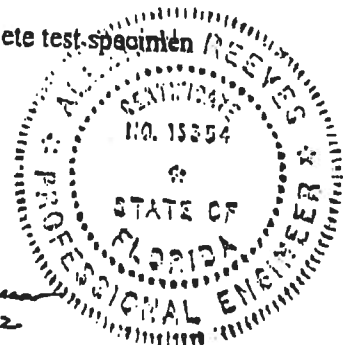
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:mlb


1 APRIL 2002



**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. (ATT) 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.

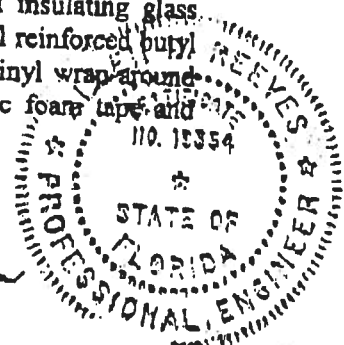
Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

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. Ransom
1 APRIL 2002



01-41134.01
Page 2 of 5**Test Specimen Description: (Continued)****Weatherstripping:**

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

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

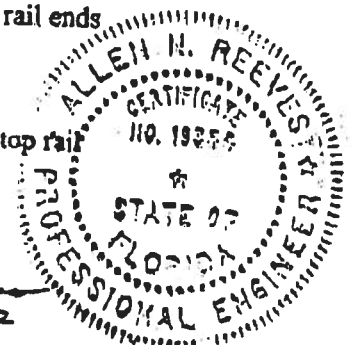
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

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

Hardware:

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

Allen H. Reeves
1 APRIL 2002





01-41134.01
Page 3 of 5

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

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

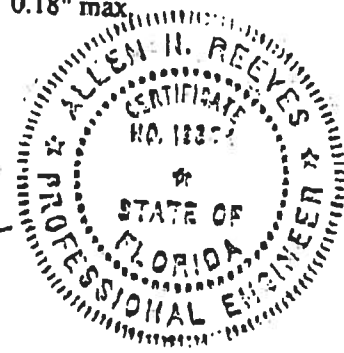
Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.

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

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

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

Allen H. Reeves
1 APRIL 2002



01-41134.01
Page 4 of 5**Test Specimen Description: (Continued)**

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

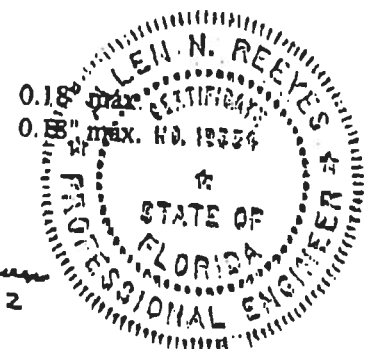
Optional Performance

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

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

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

Allen N. Reeves
1 APRIL 2002



01-41134.01
Page 5 of 5

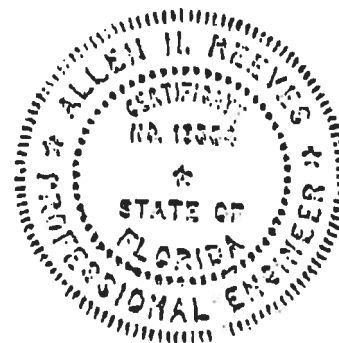
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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
Technician

MAH:nlb
01-41134.01

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



NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESTRESS PER ASTM E-230
2. MAXIMUM SECTION HEIGHT = 21'
3. SECTION HEIGHTS OF 21'0" AND 19'5" 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 STICH IS 3/4" (7' AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR DESIGN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOADS CAN BE 8.1 OR 92 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL.

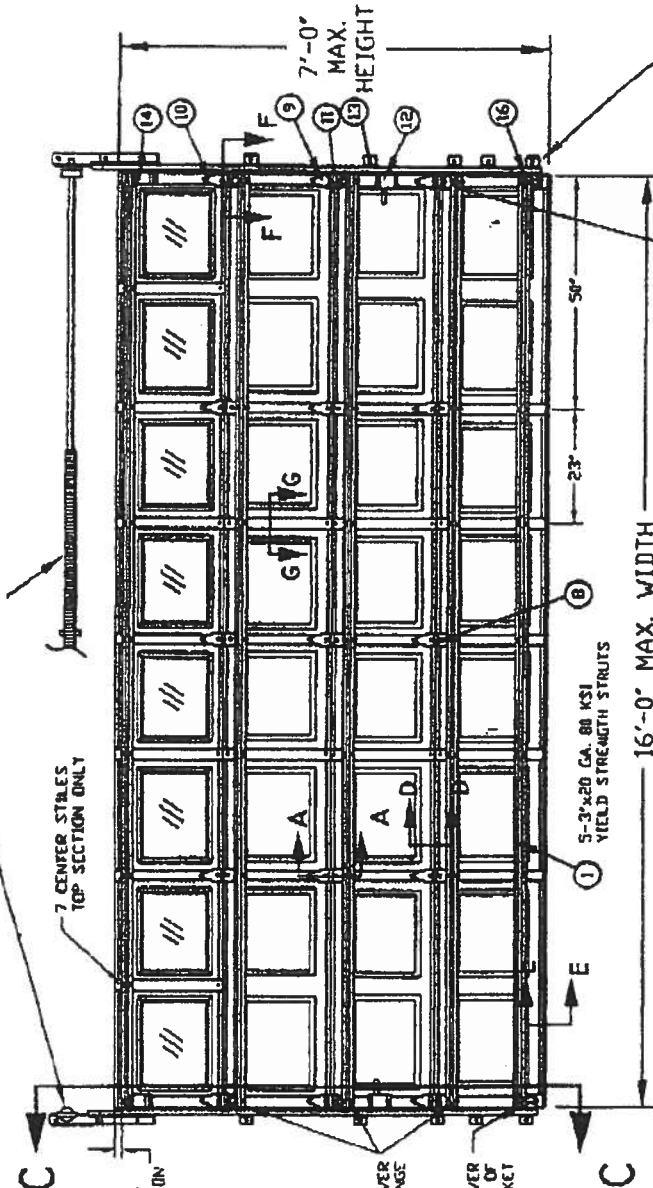
NOT PART OF WIND LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TORSION SPRING COUNTERBALANCE

7 CENTER STILES
TOP SECTION ONLY

STRUT APPLIED 1"
FROM TOP OF SECTION

STRUT APPLIED OVER
BOTTOM HALF OF HINGE

STRUT APPLIED OVER
TOP EDGE OF
BOTTOM BRACKET



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

12 GA. JAMB BRACKETS, MAXIMUM SPACING - 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL C OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

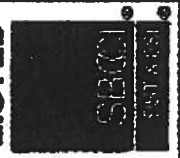
ALL ROLLER CARRIERS
AND HINGES ARE 14 GA.

16'-0" MAX. WIDTH

5-3/4" x 20 GA. 88 KSI
YIELD STRENGTH STRUTS

INSIDE ELEVATION

LISTED



REPORT No. 2202



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.

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



GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

DATE: 10-20-00	APPROVED BY: [Signature]	DESIGNED BY: [Signature]
REVISIONS:	REVISION (A) 11-10-00	
76" X 7' MAX. RAISED PANEL STEEL BEER - VINYLDOOR 120 PSF		
DATE: 10-20-00	PAGE 1 OF 2	REVISION: V13220-1

GARCO DOORS
SERIES 7400, EXTERIOR STEEL = 017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL = 019" MIN A
SERIES 7924, EXTERIOR STEEL = 024" MIN A
(TESTED WITH VARIOUS)

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

Residential System Sizing Calculation

Summary

Livingston, John Residence

604041 Jenkins Contracting Llc Livingston, John Res

Class 3 Rating
Registration No. 0
Climate: North

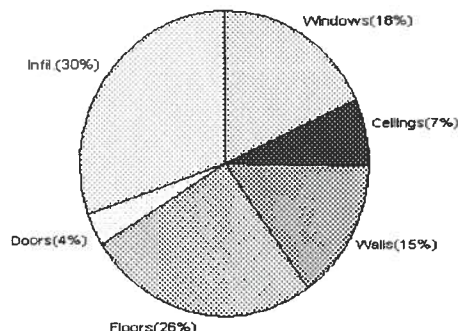
4/20/2006

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	28725 Btuh	Total cooling load calculation	23000 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	114.9 33000	Sensible (SHR = 0.75)	139.5 24750
Heat Pump + Auxiliary(0.0kW)	114.9 33000	Latent	156.9 8250
		Total (Electric Heat Pump)	143.5 33000

WINTER CALCULATIONS

Winter Heating Load (for 1762 sqft)

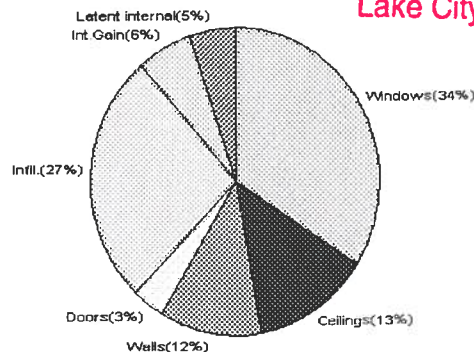
Load component	Load
Window total 164 sqft	5279 Btuh
Wall total 1284 sqft	4217 Btuh
Door total 80 sqft	1036 Btuh
Ceiling total 1798 sqft	2119 Btuh
Floor total 172 sqft	7510 Btuh
Infiltration 211 cfm	8565 Btuh
Duct loss	0 Btuh
Subtotal	28725 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	28725 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1762 sqft)

Load component	Load
Window total 164 sqft	7857 Btuh
Wall total 1284 sqft	2678 Btuh
Door total 80 sqft	784 Btuh
Ceiling total 1798 sqft	2978 Btuh
Floor total	0 Btuh
Infiltration 111 cfm	2066 Btuh
Internal gain	1380 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	17743 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	4057 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	1200 Btuh
Total latent gain	5257 Btuh
TOTAL HEAT GAIN	23000 Btuh



RECEIVED

APR 25 2006

Jenkins Contracting LLC
Lake City



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 4-20-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Livingston, John Residence

Project Title:

604041JenkinsContractingLLcLivingston,JohnRes

Class 3 Rating

Registration No. 0

Climate: North

, FL

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

4/20/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
2	2, Clear, Metal, 0.87	NW	12.0		32.2	386 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	SW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	NE	12.0		32.2	386 Btuh
6	2, Clear, Metal, 0.87	NE	4.0		32.2	129 Btuh
7	2, Clear, Metal, 0.87	SE	45.0		32.2	1449 Btuh
8	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	SW	6.0		32.2	193 Btuh
Window Total			164(sqft)			5279 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1142		3.3	3750 Btuh
2	Frame - Wood - Ext(0.09)	13.0	142		3.3	466 Btuh
Wall Total			1284			4217 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		40		12.9	518 Btuh
Door Total			80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1798		1.2	2119 Btuh
Ceiling Total			1798			2119Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	172.0 ft(p)		43.7	7510 Btuh
Floor Total			172			7510 Btuh
Zone Envelope Subtotal:						20160 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.80	15858	211.4		8565 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					28725 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Livingston, John Residence
, FL

Project Title:
604041 Jenkins Contracting LLC Livingston, John Res

Class 3 Rating
Registration No. 0
Climate: North

4/20/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28725 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28725 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - 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

Livingston, John Residence

Project Title:

604041 Jenkins Contracting LLC Livingston, John Res

Class 3 Rating

Registration No. 0

Climate: North

, FL

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

4/20/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
2	2, Clear, Metal, 0.87	NW	12.0		32.2	386 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	SW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	NE	12.0		32.2	386 Btuh
6	2, Clear, Metal, 0.87	NE	4.0		32.2	129 Btuh
7	2, Clear, Metal, 0.87	SE	45.0		32.2	1449 Btuh
8	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	SW	6.0		32.2	193 Btuh
Window Total			164(sqft)			5279 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1142		3.3	3750 Btuh
2	Frame - Wood - Ext(0.09)	13.0	142		3.3	466 Btuh
Wall Total			1284			4217 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		40		12.9	518 Btuh
Door Total			80			1036 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1798		1.2	2119 Btuh
Ceiling Total			1798			2119 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	172.0 ft(p)		43.7	7510 Btuh
Floor Total			172			7510 Btuh
Zone Envelope Subtotal:						20160 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.80	15858	211.4		8565 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					28725 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Livingston, John Residence

Project Title:

Class 3 Rating

604041 JenkinsContractingLlcLivingston,JohnRes

Registration No. 0

Climate: North

, FL

4/20/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28725 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28725 Btuh

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

(Frame types - metal, wood or insulated metal)

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

(HTM - 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

Livingston, John Residence

Project Title:

604041 Jenkins Contracting LLC Livingston, John Res

Class 3 Rating

Registration No. 0

Climate: North

, FL

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

4/20/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	15.0	0.0	15.0	29	60	901	Btuh
2	2, Clear, 0.87, None,N,N	NW	10ft.	4ft.	12.0	0.0	12.0	29	60	720	Btuh
3	2, Clear, 0.87, None,N,N	NW	10ft.	9ft.	20.0	0.0	20.0	29	60	1201	Btuh
4	2, Clear, 0.87, None,N,N	SW	26ft.	9ft.	20.0	20.0	0.0	29	63	579	Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	4ft.	12.0	0.0	12.0	29	60	720	Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	3ft.	4.0	0.0	4.0	29	60	240	Btuh
7	2, Clear, 0.87, None,N,N	SE	1.5ft.	6ft.	45.0	13.7	31.3	29	63	2354	Btuh
8	2, Clear, 0.87, None,N,N	SE	4ft.	6ft.	30.0	30.0	0.0	29	63	869	Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	4ft.	6.0	3.0	3.0	29	63	273	Btuh
Window Total					164 (sqft)					7857 Btuh	
Walls	Type	R-Value/U-Value				Area(sqft)		HTM		Load	
1	Frame - Wood - Ext	13.0/0.09				1142.0		2.1		2382 Btuh	
2	Frame - Wood - Ext	13.0/0.09				142.0		2.1		296 Btuh	
Wall Total					1284 (sqft)				2678 Btuh		
Doors	Type					Area (sqft)		HTM		Load	
1	Insulated - Adjacent					20.0		9.8		196 Btuh	
2	Insulated - Exterior					20.0		9.8		196 Btuh	
3	Insulated - Exterior					40.0		9.8		392 Btuh	
Door Total					80 (sqft)				784 Btuh		
Ceilings	Type/Color/Surface	R-Value				Area(sqft)		HTM		Load	
1	Vented Attic/DarkShingle	30.0				1798.0		1.7		2978 Btuh	
Ceiling Total					1798 (sqft)				2978 Btuh		
Floors	Type	R-Value				Size		HTM		Load	
1	Slab On Grade	0.0				172 (ft(p))		0.0		0 Btuh	
Floor Total					172.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										14297 Btuh	
Infiltration	Type	ACH				Volume(cuft)		CFM=		Load	
	SensibleNatural	0.42				15858		111.0		2066 Btuh	
Internal gain		Occupants				Btuh/occupant		Appliance		Load	
		6				X 230 +		0		1380 Btuh	
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										17743 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Livingston, John Residence

Project Title:

Class 3 Rating

604041 Jenkins Contracting LLC Livingston, John Res

Registration No. 0

Climate: North

, FL

4/20/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17743 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	17743 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	17743 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4057 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	5257 Btuh
	TOTAL GAIN	23000 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

Livingston, John Residence

Project Title:

604041JenkinsContractingLlcLivingston,JohnRes

Class 3 Rating

Registration No. 0

Climate: North

, FL

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

4/20/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	15.0	0.0	15.0	29	60	901	Btuh
2	2, Clear, 0.87, None,N,N	NW	10ft.	4ft.	12.0	0.0	12.0	29	60	720	Btuh
3	2, Clear, 0.87, None,N,N	NW	10ft.	9ft.	20.0	0.0	20.0	29	60	1201	Btuh
4	2, Clear, 0.87, None,N,N	SW	26ft.	9ft.	20.0	20.0	0.0	29	63	579	Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	4ft.	12.0	0.0	12.0	29	60	720	Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	3ft.	4.0	0.0	4.0	29	60	240	Btuh
7	2, Clear, 0.87, None,N,N	SE	1.5ft.	6ft.	45.0	13.7	31.3	29	63	2354	Btuh
8	2, Clear, 0.87, None,N,N	SE	4ft.	6ft.	30.0	30.0	0.0	29	63	869	Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	4ft.	6.0	3.0	3.0	29	63	273	Btuh
Window Total					164 (sqft)					7857 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1142.0		2.1		2382 Btuh		
2	Frame - Wood - Ext	13.0/0.09			142.0		2.1		296 Btuh		
Wall Total					1284 (sqft)				2678 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Adjacent				20.0		9.8		196 Btuh		
2	Insulated - Exterior				20.0		9.8		196 Btuh		
3	Insulated - Exterior				40.0		9.8		392 Btuh		
Door Total					80 (sqft)				784 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			1798.0		1.7		2978 Btuh		
Ceiling Total					1798 (sqft)				2978 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			172 (ft(p))		0.0		0 Btuh		
Floor Total					172.0 (sqft)				0 Btuh		
Zone Envelope Subtotal:										14297 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
	SensibleNatural	0.42			15858		111.0		2066 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 230 +			0		1380 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										17743 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Livingston, John Residence

Project Title:

Class 3 Rating

604041 Jenkins Contracting LLC Livingston, John Res

Registration No. 0

Climate: North

, FL

4/20/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	17743 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	17743 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	17743 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4057 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	5257 Btuh
	TOTAL GAIN	23000 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

Livingston, John Residence

604041JenkinsContractingLlcLivingston,JohnRes

Project Title:

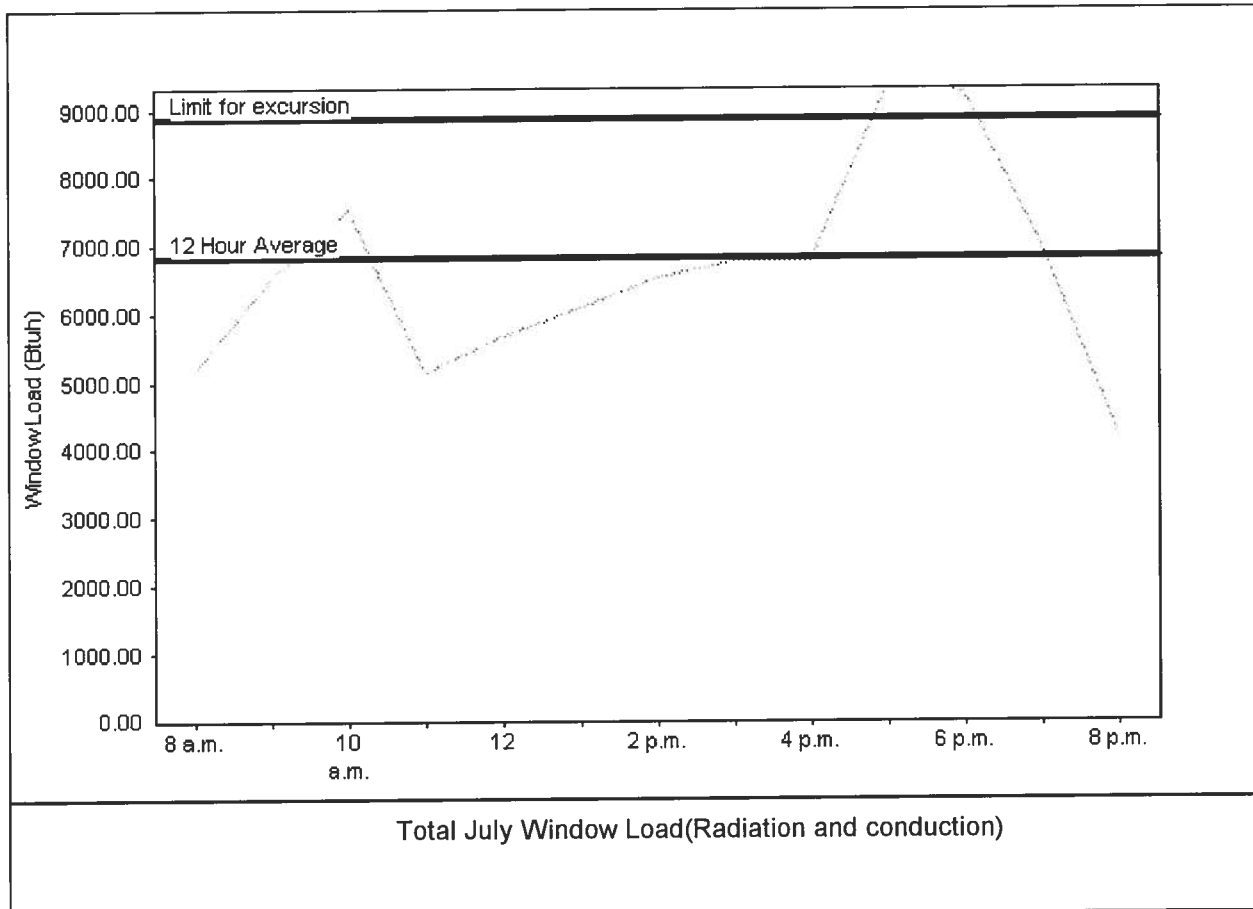
Class 3 Rating
Registration No. 0
Climate: North

4/20/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	6823 Btuh
Summer setpoint	75 F	Peak window load for July	9392 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	8869 Btuh
Latitude	29 North	Window excursion (July)	523 Btuh

WINDOW Average and Peak Loads



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

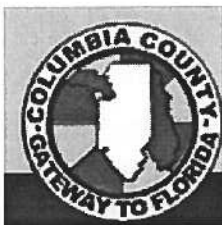
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Y. Ben

DATE: 4-20-06

EnergyGauge® FLR2PB v4.1





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

Reference to a building permit application Number: **0607-11**

Contractor: Jenkins Contracting Owners John Livingston 16-4S-16-03024-014

On the date of July 10, 2006 application 0607-11 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

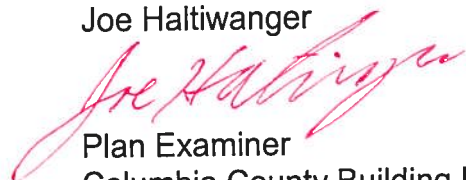
Please include application number 0607-11 and when making reference to this application.

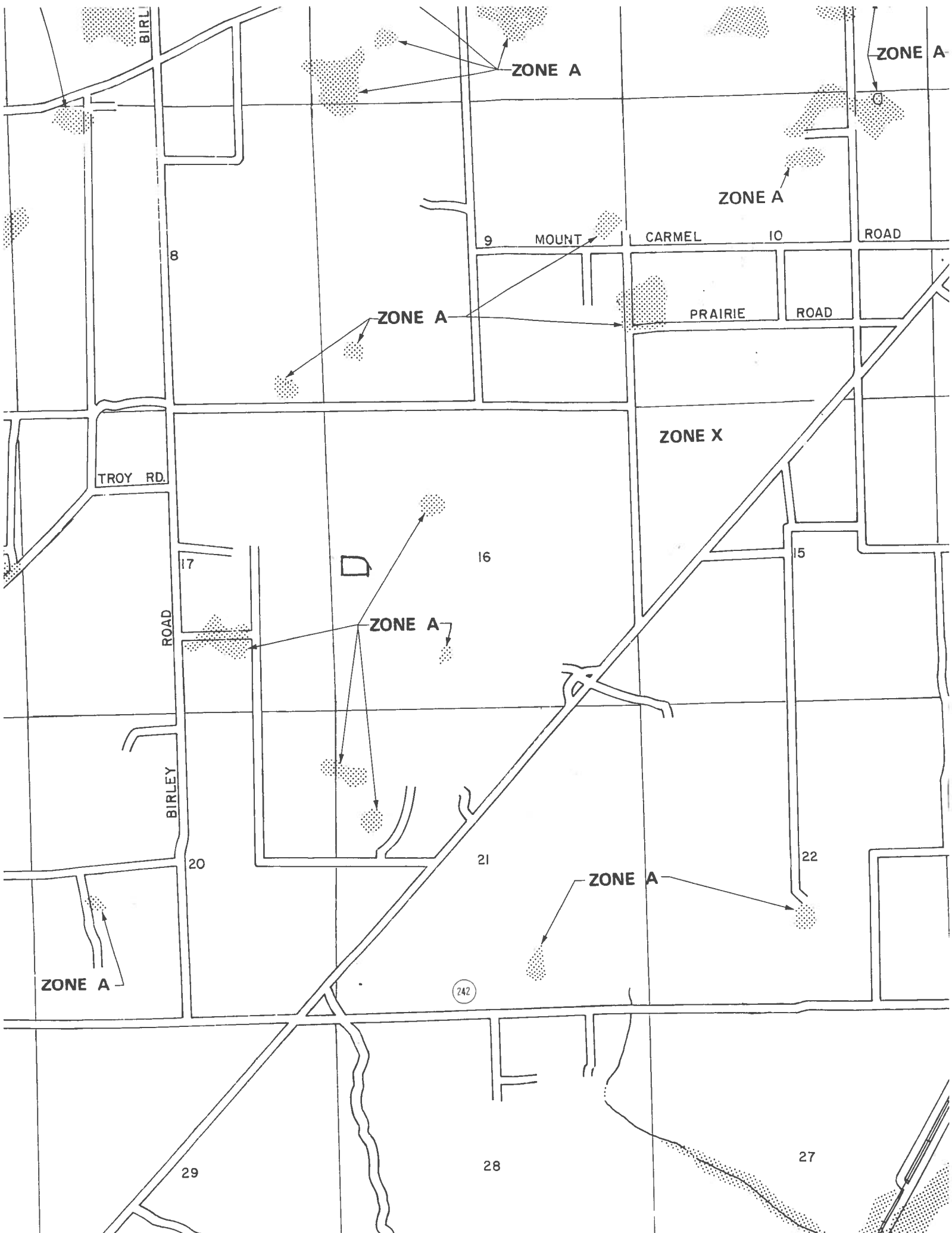
This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

1. Please submit a letter from the potable water well contractor which will describe the equipment to be used to supply potable water to this dwelling. Include the size of pump motor, size of pressure tank and cycle stop valve if used.

- 2.** Please indicate on the plans that the garage/ shop area of the dwelling will comply with the code requirements of the Florida Residential Code sections R309 GARAGES AND CARPORTS: Openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors. R309.2 Separation required: The garage shall be separated from the residence and its attic area by not less than 1/2-inch (12.7 mm) gypsum board applied to the garage side.
- 3.** The electrical plan shows the location of the electrical service, Please indicate on the electrical plan that an overcurrent protection device will be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Joe Haltiwanger

Plan Examiner
Columbia County Building Department



LYNCH WELL DRILLING, INC.

RECEIVED

173 SW Tustenuggee Ave

Lake City, FL 32025

Phone 386-752-6677

Fax 386-752-1477

JUL 10 2006

Jenkins Contracting LLC
Lake CityBuilding Permit # 0607-11 Owner's Name John Livingston

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

Casing Size 4 inch Steel Pump Installation: Deep Well SubmersiblePump Make Aermotor Pump Model S20-100 HP 1System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40Pumping System GPM at average pressure and pumping level 20 (GPM)Tank Installation: Bladder / Galvanized Make Challenger
Model PC244 Size 81Tank Draw-down per cycle at system pressure 25.1 gallons**I HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN
INSTALLED AS PER THE ABOVE INFORMATION.**Linda Newcomb
Signature2609

License Number

Linda Newcomb

Print Name

7-10-06

Date

This Instrument Prepared by & return to:
Name: Chris Travis, an employee of
TITLE OFFICES, LLC
Address: 1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
File No. 05Y-06066CT

Inst: 2005014921 Date: 06/24/2005 Time: 09:38
Doc Stamp-Deed : 335.30
DC, P. DeWitt Cason, Columbia County B: 1049 P: 2744

Parcel I.D. #: 03024-014

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

RECEIVED
JUN 13 2006
Jenkins Contracting LLC
Lake City

THIS WARRANTY DEED Made the 17th day of June, A.D. 2005, by **IMOGENE S. PHILLIPS**, *single*

hereinafter called the grantor, to **JOHN LIVINGSTON**, *single* whose post office address is 413 SW Titanium RD.
LAKE CITY, FL 32052
hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in Columbia County, State of FLORIDA, viz:

THE EAST 504.60 FEET OF LOT 1, HILLTOP SUBDIVISION, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 5, PAGE 41, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH A 1984 GREE MOBILE HOME. I.D. #FLFL2BE193205738. AND ID#FLFL2AE193205738.

THIS IS TO STATE THAT DONALD E PHILLIPS, GRANTOR IN OR BOOK 620, PAGE 629, WAS A SINGLE PERSON AT THE TIME OF CONVEYANCE BY THAT CERTAIN INSTRUMENT DATED 4/21/1987.

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

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

And the grantor hereby covenants with said grantee that she is lawfully seized of said land in fee simple; that she has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

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

Signed, sealed and delivered in the presence of:

Martha Bryan
Witness Signature
MARTHA BRYAN
Printed Name

Regina Simpkins
Witness Signature
Regina Simpkins
Printed Name

Imogene S. Phillips
IMOGENE S. PHILLIPS
Address:
413 VICKERS CT, JASPER, FL 32052

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of June, 2005, by **IMOGENE S. PHILLIPS**, who is known to me or who has produced *Imogene S. Phillips* as identification.



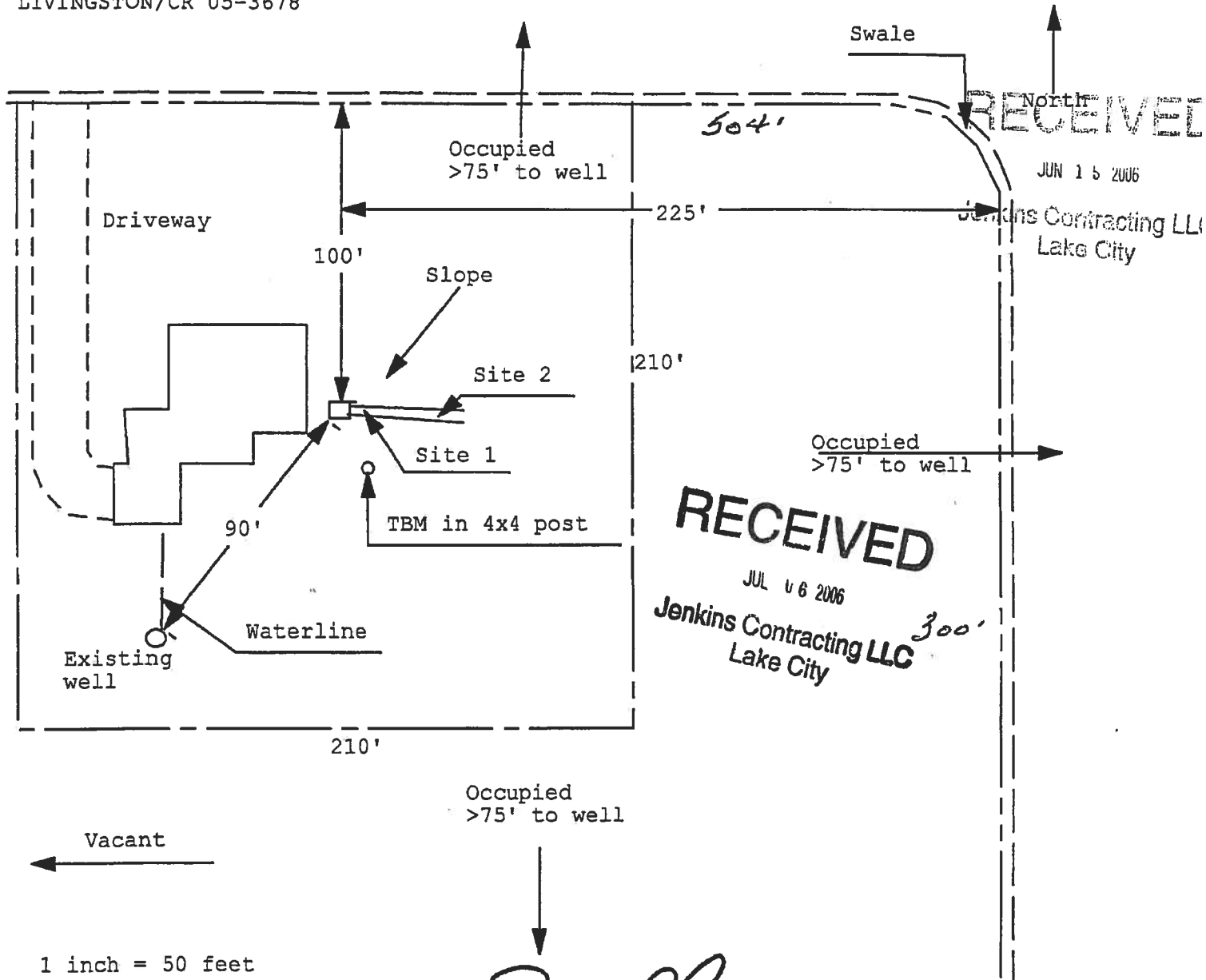
Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Fair - Insurance, Inc. 800-385-7019

[Signature]
Notary Public
My commission expires _____

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 06-0606N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

LIVINGSTON/CR 05-3678



Site Plan Submitted By Paul L. [Signature] Date 6/15/06
Plan Approved ☒ Not Approved ☐ Date 7/3/06

By M. [Signature] Columbia CPHU

Notes: _____

RECEIVED

JUN 22 2006

Jenkins Contracting LLC
Lake City

NOTICE OF COMMENCEMENT

PERMIT NO.:

TAX FOLIO NO.: R03024-014

The undersigned, after being first duly sworn, states as follows and verifies that the information set forth in this Notice of Commencement is true to the best of the undersigned's knowledge, information and belief:

1. Description of Property (legal and street address):
236 SW Titanium Rd, Lake City, FL 32024

The East 504.60 feet of Lot 1, Hilltop Subdivision, according to the plat thereof recorded in Plat Book 5, Page 41, of the Public Records of Columbia County, Florida.

2. General Description of Property: DWELLING
3. Name of Borrower(s): John Livingston

Address of Borrower(s): 3818 North Archer Street #101, Lake City, FL 32055

4. Borrower(s) interest in Property: FEE SIMPLE
5. Name & Address of Fee simple titleholder (if other than Borrower):
6. Builder's Name: Jenkins Contracting LLC
Builder's Address: 694 SW Main Boulevard, , Lake City, FL 32025
7. Name and address of all lending institutions which provide financing for the improvements:
CENTURY BANK, F.S.B.
1680 Fruitville Road
Sarasota, FL 34236
8. Name and address of the designee, if any, of the Borrower:
CENTURY BANK, F.S.B.
1680 Fruitville Road, Sarasota, FL 34236
9. Expiration date of this Notice of Commencement is one year from date of recording unless a different date is specified:

Borrower John Livingston 5/25/06
Date

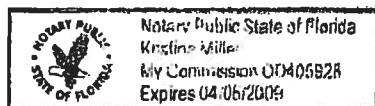
Borrower 5/25/06
Date

Borrower 5/25/06
Date

Borrower 5/25/06
Date

STATE OF FL
COUNTY OF DUAL

The foregoing instrument was subscribed and sworn to before me this May 25th, 2006



VMP-1310 (0002)

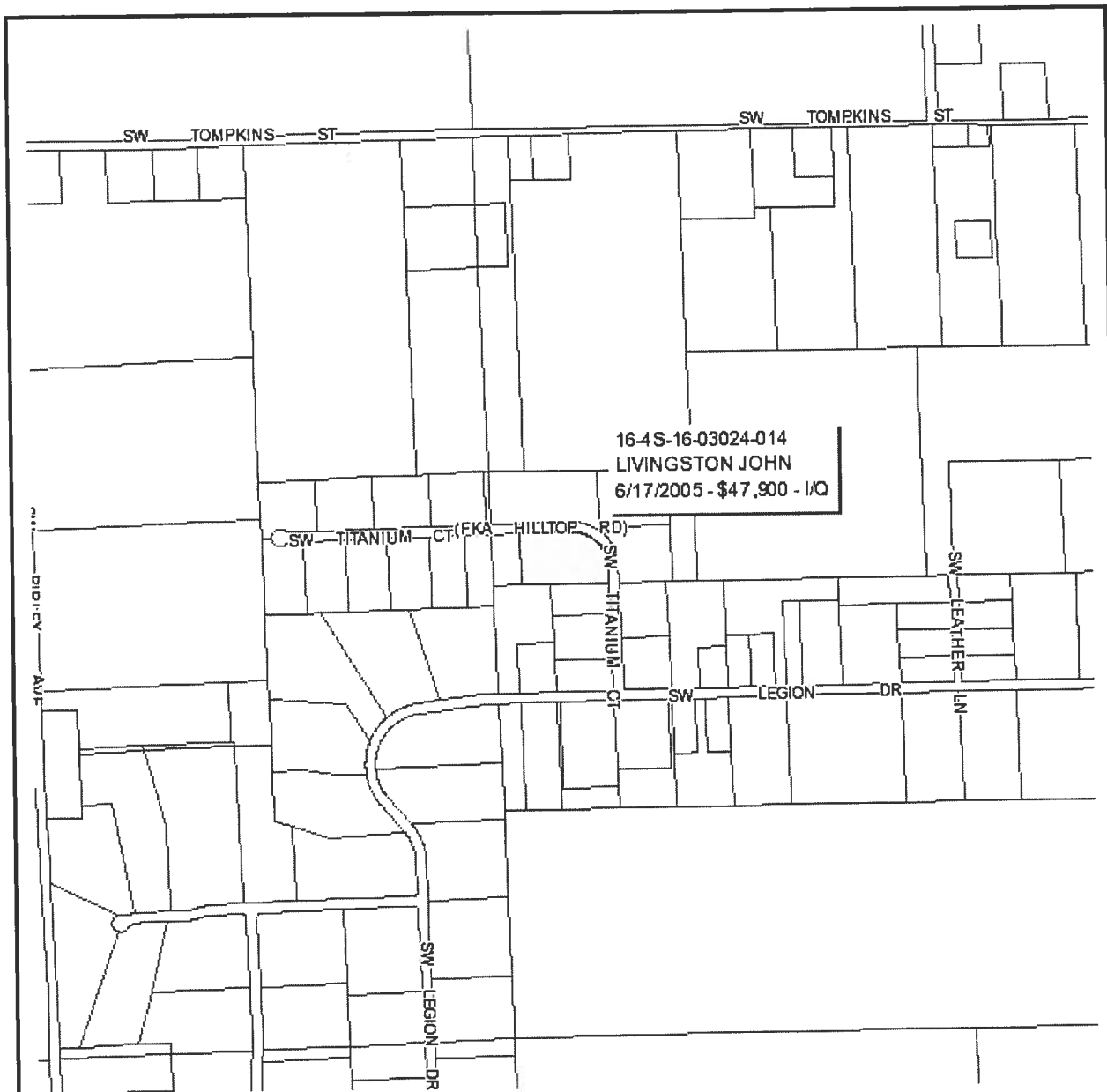
Kristine Miller
My Commission Expires:

VMP MORTGAGE FORMS - 1000121-7281

2/00

Inst: 2006013033 Date: 05/31/2006 Time: 09:08

J. P. DC, P. DeWitt Cason, Columbia County B: 1085 P: 522



16-4S-16-03024-014
LIVINGSTON JOHN
6/17/2005 - \$47,900 - I/Q

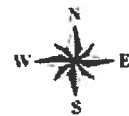
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

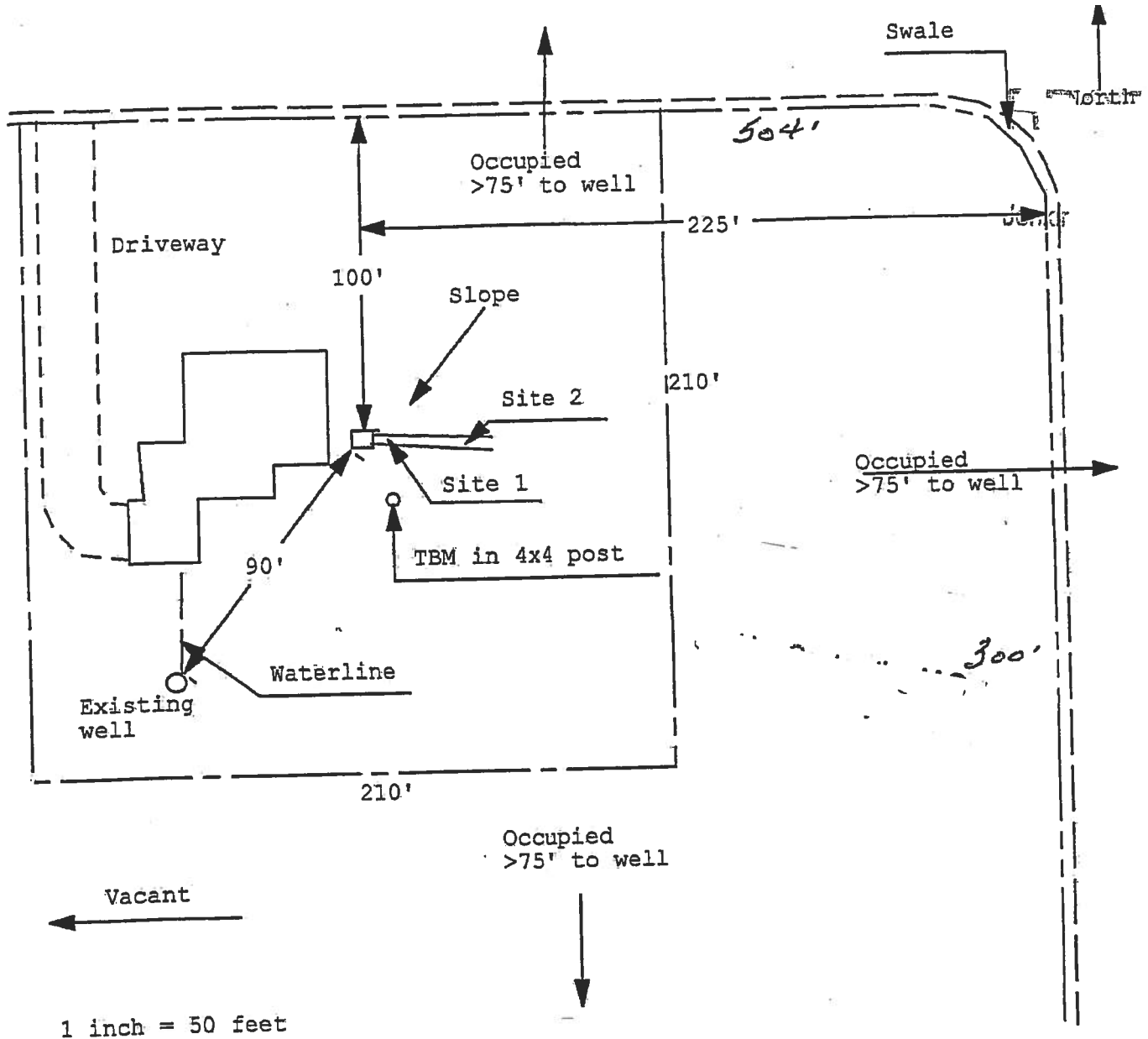
PARCEL: 16-4S-16-03024-014 - MOBILE HOM (000200)

Name: LIVINGSTON JOHN	LandVal	\$31,520.00
Site: TITANIUM	BldgVal	\$12,170.00
236 SW TITANIUM RD	ApprVal	\$44,770.00
LAKE CITY, FL 32052	JustVal	\$44,770.00
Sales 6/17/2005 \$47,900.00 I / Q	Assd	\$44,770.00
Info 8/16/2002 \$10,600.00 V / U	Exmpt	\$0.00
	Taxable	\$44,770.00

0 0.07 0.14 0.21 mi



This information, GIS Map Updated: 5/5/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



Plot Plan

John Livingston
 236 SW Titanium Ct
 Lake City, FL 32024

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **604041 Jenkins Contracting LLC Livingston, John Residence**

Address:

City, State: **, FL**Owner: **Livingston, John Residence**Climate Zone: **North**Permitting Office: **Columbia**Permit Number: **24756**Jurisdiction Number: **22000**

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? Yes ☐
6. Conditioned floor area (ft²) 1762 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area

(or Single or Double DEFAULT) 7a. (Dble Default) 164.0 ft² ☐
 - b. SHGC:

(or Clear or Tint DEFAULT) 7b. (Clear) 164.0 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 172.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1142.0 ft² ☐
 - b. Frame, Wood, Exterior R=13.0, 142.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1798.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 130.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 33.0 kBtu/hr ☐
SEER: 10.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 33.0 kBtu/hr ☐
HSPF: 7.00 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons ☐
EF: 0.93 ☐
 - 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)

RECEIVED

APR 25 2006

Jenkins Contracting LLC
Lake City

Glass/Floor Area: 0.09

Total as-built points: 24324

Total base points: 26433

PASS

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

PREPARED BY: 4300 [Signature]DATE: 4-20-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1762.0	20.04	6355.9	Double, Clear	W	1.5	6.0	15.0	38.52	0.91	527.8
				Double, Clear	W	10.0	4.0	12.0	38.52	0.39	178.4
				Double, Clear	W	10.0	9.0	20.0	38.52	0.50	388.1
				Double, Clear	S	26.0	9.0	20.0	35.87	0.43	309.8
				Double, Clear	N	1.5	4.0	12.0	19.20	0.88	203.1
				Double, Clear	N	1.5	3.0	4.0	19.20	0.83	63.8
				Double, Clear	E	1.5	6.0	45.0	42.06	0.91	1727.7
				Double, Clear	E	4.0	6.0	30.0	42.06	0.63	795.8
				Double, Clear	S	1.5	4.0	6.0	35.87	0.74	159.4
				As-Built Total:				164.0	4354.0		
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		1142.0	1.50		1713.0	
Exterior	1284.0	1.70	2182.8	Frame, Wood, Exterior	13.0		142.0	1.50		213.0	
Base Total:				1284.0		2182.8					
				As-Built Total:		1284.0		1926.0			
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	20.0	1.60	32.0	Exterior Insulated			40.0	4.10		164.0	
Exterior	60.0	4.10	246.0	Exterior Insulated			20.0	4.10		82.0	
				Adjacent Insulated			20.0	1.60		32.0	
Base Total:				80.0		278.0					
				As-Built Total:		80.0		278.0			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1762.0	1.73	3048.3	Under Attic	30.0		1798.0	1.73 X 1.00		3110.5	
Base Total:				1762.0		3048.3					
				As-Built Total:		1798.0		3110.5			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	172.0(p)	-37.0	-6364.0	Slab-On-Grade Edge Insulation	0.0		172.0(p)	-41.20		-7086.4	
Raised	0.0	0.00	0.0								
Base Total:				-6364.0		172.0		-7086.4			
				As-Built Total:		172.0		-7086.4			
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1762.0 10.21 17990.0				1762.0 10.21 17990.0							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 23491.0				Summer As-Built Points: 20572.1						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
23491.0	0.4266		10021.2	(sys 1: Central Unit 33000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 20572 1.00 (1.09 x 1.147 x 0.91) 0.341 1.000 7988.2 20572.1 1.00 1.138 0.341 1.000 7988.2						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1762.0	12.74	4040.6	Double, Clear	W	1.5	6.0	15.0	20.73	1.02	318.2
				Double, Clear	W	10.0	4.0	12.0	20.73	1.23	306.6
				Double, Clear	W	10.0	9.0	20.0	20.73	1.18	488.7
				Double, Clear	S	26.0	9.0	20.0	13.30	3.66	973.4
				Double, Clear	N	1.5	4.0	12.0	24.58	1.01	296.7
				Double, Clear	N	1.5	3.0	4.0	24.58	1.01	99.2
				Double, Clear	E	1.5	6.0	45.0	18.79	1.04	875.7
				Double, Clear	E	4.0	6.0	30.0	18.79	1.18	666.3
				Double, Clear	S	1.5	4.0	6.0	13.30	1.34	107.1
				As-Built Total:				164.0	4131.9		
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		1142.0	3.40		3882.8	
Exterior	1284.0	3.70	4750.8	Frame, Wood, Exterior	13.0		142.0	3.40		482.8	
Base Total:				As-Built Total:				1284.0	4365.6		
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	8.00	160.0	Exterior Insulated			40.0	8.40		336.0	
Exterior	60.0	8.40	504.0	Exterior Insulated			20.0	8.40		168.0	
				Adjacent Insulated			20.0	8.00		160.0	
Base Total:				As-Built Total:				80.0	664.0		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1762.0	2.05	3612.1	Under Attic	30.0		1798.0	2.05 X 1.00		3685.9	
Base Total:				As-Built Total:				1798.0	3685.9		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	172.0(p)	8.9	1530.8	Slab-On-Grade Edge Insulation	0.0		172.0(p)	18.80		3233.6	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				172.0	3233.6		
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1762.0 -0.59 -1039.6				1762.0 -0.59 -1039.6							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		13558.7		Winter As-Built Points:				15041.4		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Heating Points
				(DM x DSM x AHU)						
				(sys 1: Electric Heat Pump 33000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
13558.7	0.6274		8506.8	15041.4	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000		8515.7
				15041.4	1.00	1.162	0.487	1.000		8515.7

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	40.0	0.93	3	1.00	2606.67	1.00 7820.0
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
10021		8507		7905 26433	7988		8516		7820 24324

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.3

The higher the score, the more efficient the home.

Livingston, John Residence, , , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1762 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 33.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 164.0 ft ²		HSPF: 7.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 164.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 172.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1142.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Exterior	R=13.0, 142.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1798.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 130.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

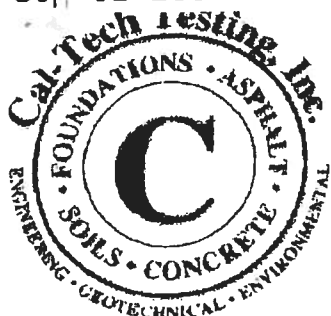
Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

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



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P O. Box 1625 • Lake City, FL 32056

4784 Rosselle Street • Jacksonville, FL 32254

2230 Greensboro Highway • Quincy, FL 32351

Tel (386) 755-3633 • Fax (386) 752-5456

Tel (904) 381-8901 • Fax (904) 381-8902

Tel (850) 442-3495 • Fax (850) 442-4008

September 8, 2006

Jenkins Contracting, LLC
694 S.W. Main Boulevard
Lake City, Florida 32025

Attention: Justin Jenkins

Reference: Proposed Livingston Residence
236 S.W. Titanium Court
Lake City, Columbia County, Florida
Cal-Tech Project No. 06-531

RECEIVED
SEP 12 2006
Jenkins Contracting LLC
Lake City

* 24756

Dear Mr. Jenkins,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of the site for the Livingston residence currently under construction at 236 S.W. Titanium Court in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home being constructed at the site and to provide recommendations for selecting a finished floor elevation.

Based upon the U.S.G.S. "Lake City West" quadrangle map, the graded roadway adjacent the home site has a centerline elevation of approximately 114.0 feet. Using this elevation as a reference, the finished floor elevation is to be approximately 113.5 feet based upon the stem walls currently in place. This places the finished floor about 0.5 feet below the elevation of the centerline of the adjacent roadway.

Columbia County regulations require the finished floor of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

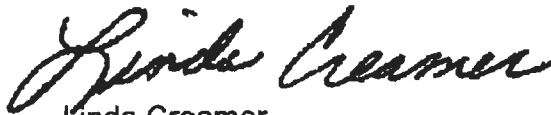
Based upon the F.E.M.A. flood map for the area, the home site is not within an identified flood zone. There are however seven small flood areas located within roughly one mile of the site. Of these seven flood areas five have flood elevations estimated to be less than 105 feet. The remaining two areas have flood elevations estimated to be approximately 115 feet and 120 feet, both higher than the proposed finished floor elevation of about 113.5 feet. Both of these areas are however topographically isolated such that flooding within these areas would not affect the Livingston home site. Additionally, flooding of the Livingston home site to an elevation of approximately 113 feet would simultaneously flood an area of many square miles to the southwest of the site. Flooding of this magnitude is considered highly unlikely. It is therefore our opinion

flooding of the Livingston home site is highly unlikely, and increasing the finished floor elevation to 12 inches above the adjacent roadway will not be necessary.

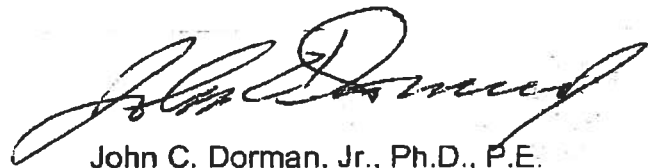
We recommend the finished floor be placed at the proposed finished floor elevation of approximately 113.5 feet.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.



Linda Creamer
President / CEO



John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

9/8/06
52612

RECEIVED
SEP 12 2006
Jenkins Contracting LLC
Lake City

COLUMBIA COUNTY OFFICE 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 16-4S-16-03024-014

Building permit No. 000024756

Use Classification SFD, UTILITY

Fire: 39.06

Permit Holder JENKINS CONTRACTING

Waste: 117.25

Owner of Building JOHN LIVINGSTON

Total: 156.31

Location: 236 SW TITANIUM COURT, LAKE CITY, FL

Date: 03/02/2007



Harry Dickel

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)