Columbia County Building Permit Application

Revised 9-23-0

For Office Use Only Application # 0605-55 Date Received 5/15 By JW Permit # 24545/10

Application Approved by - Zoning Official BLK Date 22.05.06 Plans Examiner OK JTH Date 5-22-06

Flood Zone X Per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low De

Comments See plan for site plan Plat Requires M.F.E. of 93.0 ft Elevation letter Required

(— NOC — / proof of ownership) - (CK#)

Applicants Name Kenny Townsend Phone 397-3495

Address PO Box 1621 Lake City, FL 32056

Owners Name Jason & Nicole Bates Phone

911 Address 241 S.W. Gardner Terrace L.C. FL 32024

Contractors Name Columbia Home Builders INC Phone 752-4071

Address 545 SE Hugo Lane (P.O. Box 1621)

Fee Simple Owner Name & Address Kenny Townsend

Bonding Co. Name & Address

Architect/Engineer Name & Address Freeman Design Group 161 NW Madison St

Mortgage Lenders Name & Address 1st Federal of Lake City, FL

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energ

Property ID Number 03113-161 (24-4S-16) Estimated Cost of Construction 300,000

Subdivision Name – Wise Estates Lot 31 Block C Unit Phase

Driving Directions 47 S to 242 T.R – to Wise Estates – T.L. on Gardner Terrace on Right.

Type of Construction Block - SFD Number of Existing Dwellings on Property -0-

Total Acreage 1/2 Lot Size 144X145 Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Dri

Actual Distance of Structure from Property Lines - Front 31' Side 30' Side 70' Rear 35'

Total Building Height 32' Number of Stories 2 Heated Floor Area 2844 Roof Pitch 10/12

Porch 583 Garage 402 Total 3829

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 o all laws regulating construction in this jurisdiction.

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

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

Kenny Townsend

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number RB0029433

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 15 day of May 20 06.

Personally known ✓ or Produced Identification

Notary Signature

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

JW Called Kenny 5-22-06

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

2006 Proposed Values

Parcel: 24-4S-16-03113-161

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	TOWNSEND KENNY
Site Address	
Mailing Address	P O BOX 1621 LAKE CITY, FL 32056
Description	LOT 31 BLOCK C WISE ESTATE S/D WD 1037-2675, WD 1050-2379.

Use Desc. (code)	VACANT (000000)
Neighborhood	24416.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.570 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$25,500.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$25,500.00

Just Value	$25,500.00
Class Value	$0.00
Assessed Value	$25,500.00
Exempt Value	$0.00
Total Taxable Value	$25,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
7/1/2005	1050/2379	WD	V	Q		$75,000.00
2/4/2005	1037/2675	WD	V	Q		$24,900.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.570AC)	1.00/1.00/1.00/1.00	$25,500.00	$25,500.00

Columbia County Property Appraiser DB Last Updated: 5/5/2006

1 of 1

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001086

DATE 05/23/2006 PARCEL ID # 24-4S-16-03113-161

APPLICANT KENNY TOWNSEND PHONE 386.397.3495

ADDRESS POB 1621 LAKE CITY FL 32056

OWNER JASON & NICOLE BATES PHONE

ADDRESS 241 SW GARDNER TERRACE LAKE CITY FL 32024

CONTRACTOR MIKE HERLONG PHONE 397.3495

LOCATION OF PROPERTY 47-S TO C-242,TR TO WISE ESTATES S.D, TL ON GARDNER TERRACE, THE LOT WILL BE ON THE R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WISE ESTATES 31 C

SIGNATURE ✓ Kenny Townsend

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

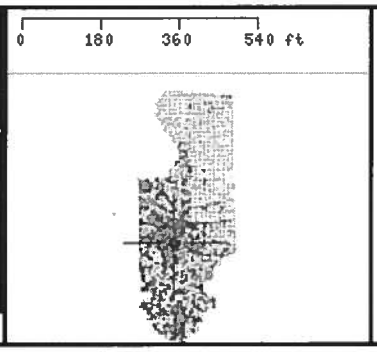
COLUMBIA COUNTY FLORIDA GATEWAY TO FLORIDA

Columbia County Property Appraiser

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

PARCEL: 24-4S-16-03113-161 - VACANT (000000)

Name: TOWNSEND KENNY		LandVal	$25,500.00
Site:		BldgVal	$0.00
Mail:	P O BOX 1621 LAKE CITY, FL 32056	ApprVal	$25,500.00
		JustVal	$25,500.00
Sales	7/1/2005 $75,000.00 V / Q	Assd	$25,500.00
Info	2/4/2005 $24,900.00 V / Q	Exmpt	$0.00
		Taxable	$25,500.00



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.

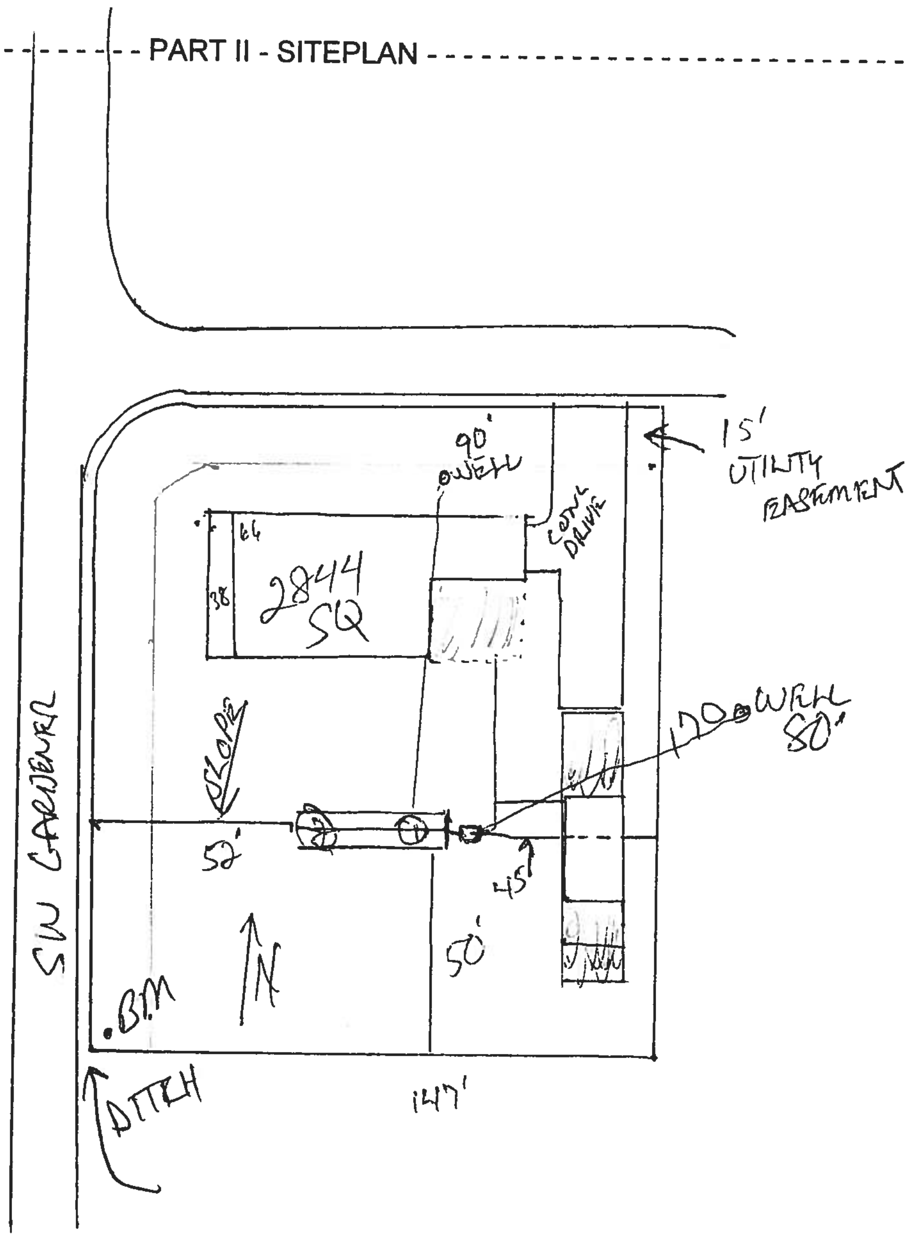
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0393

PART II - SITEPLAN

Scale: 1 inch = 50 feet.

LOT 31



Notes: ___

Site Plan submitted by: Rocky D. Ford MASTER CONTRACTOR

Plan Approved ✓ Not Approved ___ Date 3/31/06

By ___ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Bates Residence**	Builder:	
Address:		Permitting Office:	Pownal
City, State:	,	Permit Number:	24545
Owner:	**Mr. & Mrs. Bates**	Jurisdiction Number:	221000
Climate Zone:	**South**		

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)		2844 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	330.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 220.8(p) ft	
b. Slab-On-Grade Edge Insulation		R=0.0, 131.8(p) ft	
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 2820.8 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3128.4 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior		Sup. R=6.0, 73.4 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 10.00	
b. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 10.00	
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 7.00	
b. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.00	
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, HF,	

Glass/Floor Area: 0.12

Total as-built points: 32866
Total base points: 42223

PASS

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

PREPARED BY: _____

DATE: 1/20/06

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2844.0	32.50	16637.4	Double, Clear	E	1.5	6.0	15.0	68.60	0.92	944.1	
				Double, Clear	E	1.5	6.0	120.0	68.60	0.92	7552.5	
				Double, Clear	S	1.5	6.0	120.0	58.45	0.87	6131.4	
				Double, Clear	W	1.5	6.0	75.0	61.59	0.92	4240.7	
				As-Built Total:				**330.0**			**18868.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	2820.8	2.40		6769.9	
Exterior	2820.8	2.70	7616.2									
Base Total:	**2820.8**		**7616.2**	**As-Built Total:**				**2820.8**			**6769.9**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	6.40		261.1	
Exterior	40.8	6.40	261.1									
Base Total:	**40.8**		**261.1**	**As-Built Total:**				**40.8**			**261.1**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2844.0	2.80	7963.2	Under Attic			30.0	3128.4	2.77 X 1.00		8665.7	
Base Total:	**2844.0**		**7963.2**	**As-Built Total:**				**3128.4**			**8665.7**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	352.6(p)	-20.0	-7052.0	Slab-On-Grade Edge Insulation			0.0	220.8(p	-20.00		-4416.0	
Raised	0.0	0.00	0.0	Slab-On-Grade Edge Insulation			0.0	131.8(p	-20.00		-2636.0	
Base Total:			**-7052.0**	**As-Built Total:**				**352.6**			**-7052.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2844.0	18.79	53438.8					2844.0	18.79		53438.8	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**78864.6**	**Summer As-Built Points:**						**80952.1**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
				80952.1	0.600	(1.000 x 1.165 x 0.90)	0.341	0.857		14889.3
				80952.1	0.400	(1.00 x 1.165 x 1.00	0.341	0.857		9926.2
78864.6	**0.4266**		**33643.7**	**80952.1**	**1.00**	**1.048**	**0.341**	**0.857**		**24815.4**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2844.0	2.36	1208.1	Double, Clear	E	1.5	6.0	15.0	3.30	1.02	50.5	
				Double, Clear	E	1.5	6.0	120.0	3.30	1.02	404.4	
				Double, Clear	S	1.5	6.0	120.0	3.12	1.02	381.0	
				Double, Clear	W	1.5	6.0	75.0	3.98	1.00	297.9	
				As-Built Total:				**330.0**			**1133.8**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	2820.8	0.60		1692.5	
Exterior	2820.8	0.60	1692.5									
Base Total:	**2820.8**		**1692.5**	**As-Built Total:**				**2820.8**			**1692.5**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	1.80		73.4	
Exterior	40.8	1.80	73.4									
Base Total:	**40.8**		**73.4**	**As-Built Total:**				**40.8**			**73.4**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2844.0	0.10	284.4	Under Attic			30.0	3128.4	0.10 X	1.00	312.8	
Base Total:	**2844.0**		**284.4**	**As-Built Total:**				**3128.4**			**312.8**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	352.6(p)	-2.1	-740.5	Slab-On-Grade Edge Insulation			0.0	220.8(p	-2.10		-463.7	
Raised	0.0	0.00	0.0	Slab-On-Grade Edge Insulation			0.0	131.8(p	-2.10		-276.8	
Base Total:			**-740.5**	**As-Built Total:**				**352.6**			**-740.5**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2844.0	-0.06	-170.6					2844.0	-0.06		-170.6	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
Winter Base Points:			**2347.4**	**Winter As-Built Points:**						**2301.5**
Total Winter Points	X System Multiplier	=	Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
				2301.5	0.600	(1.000 x 1.137 x 0.91)	0.487	0.950		661.2
				2301.5	0.400	(1.00 x 1.137 x 1.00)	0.487	0.950		440.8
2347.4	**0.6274**		**1472.7**	**2301.5**	**1.00**	**1.035**	**0.487**	**0.950**		**1102.0**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3	2369.00	7107.0		50.0	0.90	3	1.00	2316.36	1.00	6949.1	
				As-Built Total:						**6949.1**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
33644	**1473**	**7107**	**42223**	**24815**	**1102**	**6949**	**32866**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

Mr. & Mrs. Bates, , , ,

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)		2844 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	330.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 220.8(p) ft	
b. Slab-On-Grade Edge Insulation		R=0.0, 131.8(p) ft	
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 2820.8 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 3128.4 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior		Sup. R=6.0, 73.4 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 10.00	
b. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 10.00	
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 7.00	
b. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.00	
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, HF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-1824.*

Residential System Sizing Calculation

Summary

Mr. & Mrs. Bates

Project Title:
Bates Residence

Code Only
Professional Version
Climate: South

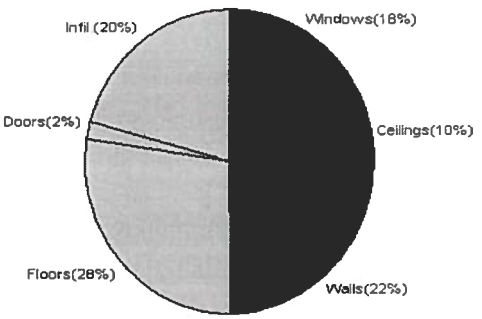
1/19/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**39947**	**Btuh**	**Total cooling load calculation**	**42173**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	150.2	60000	Sensible (SHR = 0.5)	85.6	30000
Heat Pump + Auxiliary(0.0kW)	150.2	60000	Latent	419.9	30000
			Total (Electric Heat Pump)	142.3	60000

WINTER CALCULATIONS

Winter Heating Load (for 2844 sqft)

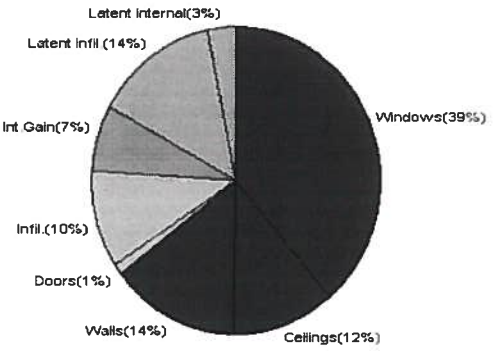
Load component			Load	
Window total	330	sqft	7095	Btuh
Wall total	2821	sqft	8744	Btuh
Door total	41	sqft	748	Btuh
Ceiling total	3128	sqft	4067	Btuh
Floor total	See detail report		11142	Btuh
Infiltration	190	cfm	8150	Btuh
Subtotal			**39947**	**Btuh**
Duct loss			0	Btuh
TOTAL HEAT LOSS			**39947**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2844 sqft)

Load component			Load	
Window total	330	sqft	16397	Btuh
Wall total	2821	sqft	6037	Btuh
Door total	41	sqft	509	Btuh
Ceiling total	3128	sqft	4880	Btuh
Floor total			0	Btuh
Infiltration	166	cfm	4206	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**35029**	**Btuh**
Duct gain			0	Btuh
Total sensible gain			**35029**	**Btuh**
Latent gain(infiltration)			5765	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**7145**	**Btuh**
TOTAL HEAT GAIN			**42173**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: 1/20/06

System Sizing Calculations - Winter

Residential Load - Component Details

Mr. & Mrs. Bates

Project Title:
Bates Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

1/19/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	E	15.0	21.5	322 Btuh
2	2, Clear, Wood, DEF	E	120.0	21.5	2580 Btuh
3	2, Clear, Wood, DEF	S	120.0	21.5	2580 Btuh
4	2, Clear, Wood, DEF	W	75.0	21.5	1612 Btuh
	Window Total		330		7095 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2821	3.1	8744 Btuh
	Wall Total		2821		8744 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		41	18.3	748 Btuh
	Door Total		41		748Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3128	1.3	4067 Btuh
	Ceiling Total		3128		4067Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	220.8 ft(p)	31.6	6977 Btuh
2	Slab-On-Grade Edge Insul	0	131.8 ft(p)	31.6	4165 Btuh
	Floor Total		353		11142 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	28440(sqft)	190	8150 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			190	8150 Btuh

Totals for Heating	**Subtotal**	**39947 Btuh**
	Duct Loss(using duct multiplier of 0.00)	**0 Btuh**
	Total Btuh Loss	**39947 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Mr. & Mrs. Bates

Project Title:
Bates Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 1/19/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load
1	2, Clear, DEF, N, N E	1.5	6	15.0	0.0	15.0	24	74	1110 Btuh
2	2, Clear, DEF, N, N E	1.5	6	120.0	24.9	95.1	24	74	7635 Btuh
3	2, Clear, DEF, N, N S	1.5	6	120.0	120.0	0.0	24	39	2880 Btuh
4	2, Clear, DEF, N, N W	1.5	6	75.0	15.6	59.4	24	74	4772 Btuh
	Window Total			330					16397 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	13.0	2820.8	2.1	6037 Btuh
	Wall Total		2820.8		6037 Btuh

Doors	Type	Area	HTM	Load
1	Insulated - Exter	40.8	12.5	509 Btuh
	Door Total	40.8		509 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	3128.4	1.6	4880 Btuh
	Ceiling Total		3128.4		4880 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	220.8 ft(p)	0.0	0 Btuh
2	Slab-On-Grade Edge Insulation	0.0	131.8 ft(p)	0.0	0 Btuh
	Floor Total		352.6		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	28440	166.2	4206 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			166	4206 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		6	X	300	+	1200	3000 Btuh

Totals for Cooling	**Subtotal**	**35029 Btuh**
	Duct gain(using duct multiplier of 0.00)	**0 Btuh**
	Total sensible gain	**35029 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**5765 Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**42173 Btuh**

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

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Bates Workshop**	Builder:	
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	
Owner:	**Mr. & Mrs. Bates**	Jurisdiction Number:	221000
Climate Zone:	**South**		

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		1	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		385 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	45.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 150.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1200.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 423.5 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			

12. Cooling systems		
a. PTAC and Room Unit	Cap: 12000.0 kBtu/hr	
	EER: 10.00, Unducted	
b. N/A		
c. N/A		
13. Heating systems		
a. PTHP	Cap: 12000.0 kBtu/hr	
	COP: 7.00, Unducted	
b. N/A		
c. N/A		
14. Hot water systems		
a. N/A		
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)	MZ-C, PT, HF,	

Glass/Floor Area: 0.12

Total as-built points: 5815
Total base points: 7607

PASS

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

PREPARED BY: _____

DATE: 11/20/06

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	385.0	32.50	2252.3	Double, Clear	E	1.5	6.0	30.0	68.60	0.92	1888.1	
				Double, Clear	W	1.5	6.0	15.0	61.59	0.92	848.1	
				As-Built Total:				**45.0**			**2736.3**	
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	1200.0	2.40		2880.0	
Exterior	1200.0	2.70	3240.0									
Base Total:	**1200.0**		**3240.0**	**As-Built Total:**				**1200.0**			**2880.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				68.0	6.40		435.2	
Exterior	68.0	6.40	435.2									
Base Total:	**68.0**		**435.2**	**As-Built Total:**				**68.0**			**435.2**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	385.0	2.80	1078.0	Under Attic			30.0	423.5	2.77 X 1.00		1173.1	
Base Total:	**385.0**		**1078.0**	**As-Built Total:**				**423.5**			**1173.1**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	150.0(p)	-20.0	-3000.0	Slab-On-Grade Edge Insulation			0.0	150.0(p	-20.00		-3000.0	
Raised	0.0	0.00	0.0									
Base Total:			**-3000.0**	**As-Built Total:**				**150.0**			**-3000.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	385.0	18.79	7234.1					385.0	18.79		7234.1	
Summer Base Points:			**11239.6**	**Summer As-Built Points:**								**11458.7**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points			
11239.6	**0.4266**	**4794.8**		11458.7 **11458.7**	1.000(1.00 x 1.165 x 1.00 **1.00**	**1.000**	0.341 **0.341**	0.857 **0.857**	3350.1 **3350.1**			

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	385.0	2.36	163.5	Double, Clear	E	1.5	6.0	30.0	3.30	1.02	101.1
				Double, Clear	W	1.5	6.0	15.0	3.98	1.00	59.6
				As-Built Total:				**45.0**			**160.7**
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	1200.0	0.60		720.0
Exterior	1200.0	0.60	720.0								
Base Total:	**1200.0**		**720.0**	**As-Built Total:**				**1200.0**			**720.0**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Insulated				68.0	1.80		122.4
Exterior	68.0	1.80	122.4								
Base Total:	**68.0**		**122.4**	**As-Built Total:**				**68.0**			**122.4**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points
Under Attic	385.0	0.10	38.5	Under Attic			30.0	423.5	0.10 X 1.00		42.4
Base Total:	**385.0**		**38.5**	**As-Built Total:**				**423.5**			**42.4**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	150.0(p)	-2.1	-315.0	Slab-On-Grade Edge Insulation			0.0	150.0(p	-2.10		-315.0
Raised	0.0	0.00	0.0								
Base Total:			**-315.0**	**As-Built Total:**				**150.0**			**-315.0**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	385.0	-0.06	-23.1					385.0	-0.06		-23.1
Winter Base Points:			**706.3**	**Winter As-Built Points:**							**707.3**
Total Winter Points	X System Multiplier	= Heating Points		Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)		X System Multiplier	X Credit Multiplier	= Heating Points	
706.3	**0.6274**	**443.2**		707.3 **707.3**	1.000(1.00 x 1.137 x 1.00) **1.00**	**1.000**		0.143 **0.143**	0.950 **0.950**	96.0 **96.0**	

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
1	2369.00	2369.0				1	1.00	2369.00	1.00	2369.0
				As-Built Total:						**2369.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
4795	**443**	**2369**	**7607**	**3350**	**96**	**2369**	**5815**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

The higher the score, the more efficient the home.

Mr. & Mrs. Bates, , , ,

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		1	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		385 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	45.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 150.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1200.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 423.5 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			

12. Cooling systems		
a. PTAC and Room Unit	Cap: 12000.0 kBtu/hr	
	EER: 10.00, Unducted	
b. N/A		
c. N/A		
13. Heating systems		
a. PTHP	Cap: 12000.0 kBtu/hr	
	COP: 7.00, Unducted	
b. N/A		
c. N/A		
14. Hot water systems		
a. N/A		
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)	MZ-C, PT, HF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850-488-1824.*

Residential System Sizing Calculation

Summary

Mr. & Mrs. Bates

Project Title:
Bates Workshop

Code Only
Professional Version
Climate: South

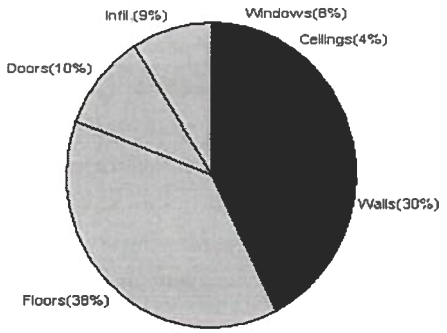
1/19/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**12328**	**Btuh**	**Total cooling load calculation**	**8767**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (PTHP)	97341.0	1.2E7	Sensible (SHR = 0.5)	79717.0	6E6
			Latent	4.8371E5	6E6
			Total	1.3688E5	1.2E7

WINTER CALCULATIONS

Winter Heating Load (for 385 sqft)

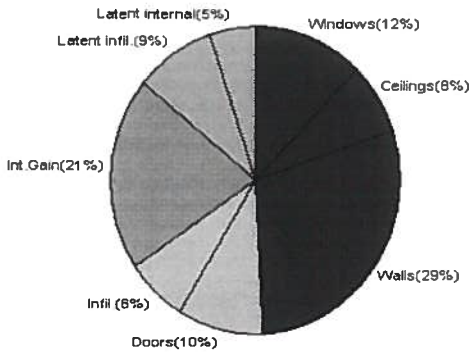
Load component			Load	
Window total	45	sqft	968	Btuh
Wall total	1200	sqft	3720	Btuh
Door total	68	sqft	1246	Btuh
Ceiling total	424	sqft	551	Btuh
Floor total	150	ft	4740	Btuh
Infiltration	26	cfm	1103	Btuh
Subtotal			**12328**	**Btuh**
Duct loss			0	Btuh
TOTAL HEAT LOSS			**12328**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 385 sqft)

Load component			Load	
Window total	45	sqft	1080	Btuh
Wall total	1200	sqft	2568	Btuh
Door total	68	sqft	849	Btuh
Ceiling total	424	sqft	661	Btuh
Floor total			0	Btuh
Infiltration	23	cfm	569	Btuh
Internal gain			1800	Btuh
Subtotal(sensible)			**7527**	**Btuh**
Duct gain			0	Btuh
Total sensible gain			**7527**	**Btuh**
Latent gain(infiltration)			780	Btuh
Latent gain(internal)			460	Btuh
Total latent gain			**1240**	**Btuh**
TOTAL HEAT GAIN			**8767**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: _____
DATE: 1/20/06

System Sizing Calculations - Winter

Residential Load - Component Details

Mr. & Mrs. Bates

Project Title:
Bates Workshop

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

1/19/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
2	2, Clear, Wood, DEF	S	15.0	21.5	322 Btuh
	Window Total		45		968 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1200	3.1	3720 Btuh
	Wall Total		1200		3720 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		68	18.3	1246 Btuh
	Door Total		68		1246Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	424	1.3	551 Btuh
	Ceiling Total		424		551Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	150.0 ft(p)	31.6	4740 Btuh
	Floor Total		150		4740 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	3850(sqft)	26	1103 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			26	1103 Btuh

Totals for Heating	**Subtotal**	**12328 Btuh**
	Duct Loss(using duct multiplier of 0.00)	**0 Btuh**
	Total Btuh Loss	**12328 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)

System Sizing Calculations - Summer

Residential Load - Component Details

Mr. & Mrs. Bates

Project Title:
Bates Workshop

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 1/19/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load
1	2, Clear, DEF, N, N N	1.5	6	30.0	0.0	30.0	24	24	720 Btuh
2	2, Clear, DEF, N, N S	1.5	6	15.0	15.0	0.0	24	39	360 Btuh
	Window Total			45					1080 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	13.0	1200.0	2.1	2568 Btuh
	Wall Total		1200.0		2568 Btuh

Doors	Type	Area	HTM	Load
1	Insulated - Exter	68.0	12.5	849 Btuh
	Door Total	68.0		849 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	423.5	1.6	661 Btuh
	Ceiling Total		423.5		661 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	150.0 ft(p)	0.0	0 Btuh
	Floor Total		150.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	3850	22.5	569 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			23	569 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	2	X 300	+	1200	1800 Btuh

Totals for Cooling		
	Subtotal	**7527 Btuh**
	Duct gain(using duct multiplier of 0.00)	**0 Btuh**
	Total sensible gain	**7527 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**780 Btuh**
	Latent occupant gain (2 people @ 230 Btuh per person)	**460 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**8767 Btuh**

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

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: 0605-55

Contractor: Kenny Townsend of Columbia Home Builders Owners Jason Bates
241 S.W. Garden Terrace lot 31 Wise Estates

On the date of May 18, 2006 application 0605-55 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 0605-55 when making reference to this application.

1. Plans for the construction of a detached carport/ storage building were submitted with this application for construction of a single family dwelling. Please submit the plans for the construction of carport/ storage building under a separate building permit application.

2. Please submit a recorded (with the Columbia County Clerk Office) deed to show proof of ownership of lot 31 Block C of Wise Estates by the application owners Jason & Nicole Bates.

3. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

4. Please submit a letter form 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. 5.22.06

5. Please indicate on the plans which bathroom will meet the requirements of the FRC-2004 sections R322.1.1 All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).

6. Please verify that the window which will be used for second story emergency escape and rescue will comply with FBC-2004 Section R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m2).

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

758-2160

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,

Donald D. Hall
DDH/jk

JASON & NICOLE BATES
WISE ESTATES
KENNY TOWSEND
LOT 31

24545

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL SAVINGS BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office
P. DeWITT CASON, CLERK OF COURTS
By: Bonnie Rou Deputy Clerk
Date: 5/17/06

PERMIT NO._____ TAX FOLIO NO._____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: Lot 31, Block C, of WISE ESTATES, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 164-167 of the public records of Columbia County, Florida.

2. General description of improvement: **Construction of Dwelling**

3. Owner information:
   a. Name and address: JASON W. BATES and NICOLE S. BATES
   574 NW Gwen Lake Ave., Lake City, FL 32055

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

   c. Name and address of fee simple title holder (if other than Owner): **NONE**

4. Contractor (name and address): COLUMBIA HOME IMPROVEMENT
   545 SE Hugo Street, Lake City, FL 32056

5. Surety:
   a. Name and address: _____
   Inst:2006012033 Date:05/17/2006 Time:11:32
   DC,P.DeWitt Cason,Columbia County B:1083 P:2770

   b. Amount of bond: _____

6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**
   4705 WEST U.S. HIGHWAY 90
   P. O. BOX 2029
   LAKE CITY, FLORIDA 32056

7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE

8. In addition to himself, Owner designates **PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056** to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.

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

Jason W. Bates
Borrower Name

Nicole S. Bates
Co-Borrower Name

The foregoing instrument was acknowledged before me this 16th day of May, 2006, 2006, by Jason W. Bates & Nicole S. Bates, who is personally known to me or who has produced driver's license for identification.

Notary Public
My Commission Expires:

TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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) 24545

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JF104376 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Columbia Home Builders Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 161 NW Madison ST Lake city, FL 32055

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12" Inside 12" Type of Fill First

Section 4: Treatment Information

Date(s) of Treatment(s) 30 - June - 2006
Brand Name of Product(s) Used Cyper TC
EPA Registration No. 5[illegible]-47
Approximate Final Mix Solution % 0.25
Approximate Size of Treatment Area: Sq. ft. 2699 Linear ft. 224 Linear ft. of Masonry Voids 224
Approximate Total Gallons of Solution Applied 494
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) T. Dryden 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 30 June 2006

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)

BRITT SURVEYING
830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

Land Surveyors and Mappers

06/19/06

L-17467

To Whom It May Concern:

C/o: Kenny Townsend

Re: Lot 31 Block "C" Wise Estates

The elevation of the foundation is found to be 93.70 feet. The minimum finished floor according to the plat of record is to be 93.00 feet. The highest adjacent grade is 92.05 feet and the lowest adjacent grade is 91.95 feet.

L. Scott Britt
PLS #5757

(24545)

Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 480/680/880 Drop-in
PRODUCT TYPE: Aluminum Horizontal Sliding Window (XO-Fin)

	Results	
Title	**Test Specimen #1**	**Test Specimen #2**
Rating	HS-C30 71 x 71	HS-C40 71 x 59
Operating Force	11 lbf max.	14 lbf max.
Air Infiltration	0.11 cfm/ft^2	0.09 cfm/ft^2
Water Resistance Test Pressure	5.3 psf	6.0 psf
Uniform Load Deflection Test Pressure	± 30.0 psf	+ 45.0 psf -47.2 psf
Uniform Structural Load Test Pressure	± 45.0 psf	+ 67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to ATI Report Identification No. 01-47320.03 for complete test specimen description and data.

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

Architectural Testing

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

Rendered to:

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

ATI Report Identification No.: 01-47320.03
Test Dates: 10/07/03
Through: 10/08/03
And: 12/01/03
And: 12/15/03
And: 03/17/04
Report Date: 04/16/04
Expiration Date: 10/07/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on two Series/Model 480/680/880 Drop-in, aluminum horizontal sliding windows at MI Home Products, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-C30 71 x 71; Test Specimen #2: HS-C40 71 x 59. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 480/680/880 Drop-in

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

Overall Size: 5' 11-7/16" wide by 5' 11" high

Active Sash Size: 2' 11-5/8" wide by 5' 8-3/8" high

Fixed Daylight Opening Size: 2' 8-3/16" wide by 5' 5-5/8" high

Screen Size: 2' 10" wide by 5' 6-1/2" high

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

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.250" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails and fixed meeting rail interlock
0.250" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile

Test Specimen #2: HS-C40 71 x 59

Overall Size: 5' 11-3/8" wide by 4' 11-1/8" high

Active Sash Size: 2' 11-5/8" wide by 4' 8-1/4" high

Fixed Daylight Opening Size: 2' 8-1/4" wide by 4' 5-7/8" high

Screen Size: 2' 10-1/4" wide by 4' 7-1/8" high

Weatherstripping:

Description	Quantity	Location
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails
0.250" high by 0.187" backed polypile with center fin	1 Rows	Fixed meeting rail interlock
0.310" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile
0.550" high by 1" by 1" backed polypile pad	1 Pad	Corner of bottom rail and locking stile

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The window utilized 5/8" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a Swiggle spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Frame Construction: The frame was constructed of thermally broken extruded aluminum. The corners were secured utilizing three #8 x 1" screws per corner through the jambs into the head and sill screw bosses. End caps were utilized on the ends of the fixed meeting rails and secured with two #8 x 3/4" screws per cap. The meeting rails were then secured to the frame with two #8 x 3/4" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum. The corners were secured utilizing one #8 x 1" screw per corner through the head and sill into the jambs screw boss.

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

Hardware:

Description	Quantity	Location
Cam lock	1	One midspan of active panel with integral lock keeper on fixed meeting stile
Roller assembly	2	One each end of bottom rail
Screen constant force spring	2	5" from rails on screen stiles
Screen lift handles	2	5" from rails on screen stiles

Drainage:

Description	Quantity	Location
1-1/4" long by 1/4" wide weepslot with cover	2	3-1/2" from jambs on sill face
1/2" long by 1/8" wide weepslot	2	2" from jambs on sill track

Reinforcement: No reinforcement was utilized.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The window was secured utilizing #8 x 1-5/8" drywall screws located in corners and 12" on center around nail-fin perimeter. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft^2	0.3 cfm/ft^2 max.

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

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.75"	See Note #2
	30.0 psf (negative)	0.71"	See Note #2

***Note #2**: The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.13"	0.26" max.
	45.0 psf (negative)	<0.01"	0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71 (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
Type: A	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 5.3 psf	No leakage	No leakage
Test Specimen #2: HS-C40 71 x 59			
2.2.2.5.1	Operating Force	14 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.09 cfm/ft^2	0.3 cfm/ft^2 max.

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

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.62"	See Note #2
	30.0 psf (negative)	0.51"	See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.03"	0.21" max.
	45.0 psf (negative)	0.04"	0.21" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: HS-C40 71 x 59 (Continued)			
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.03"/6%	0.50"/100%
	Bottom rail	0.03"/6%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	45.0 psf (positive)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" max.

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 from the original test date. 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. This report may not be reproduced except in full without approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC

Digitally Signed by: Eric Westphal

Eric Westphal
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P. E.
Senior Project Engineer

EW:dme
01-47320.03

APRIL 20, 2004

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMK[illegible]s Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. [illegible]esting was conducted using four nails per shingle. These shingles also comply with Florida Buil[illegible]ng Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46[illegible]

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049

MIAMI-DADE
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

outswing

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. 3^0-7^0 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.

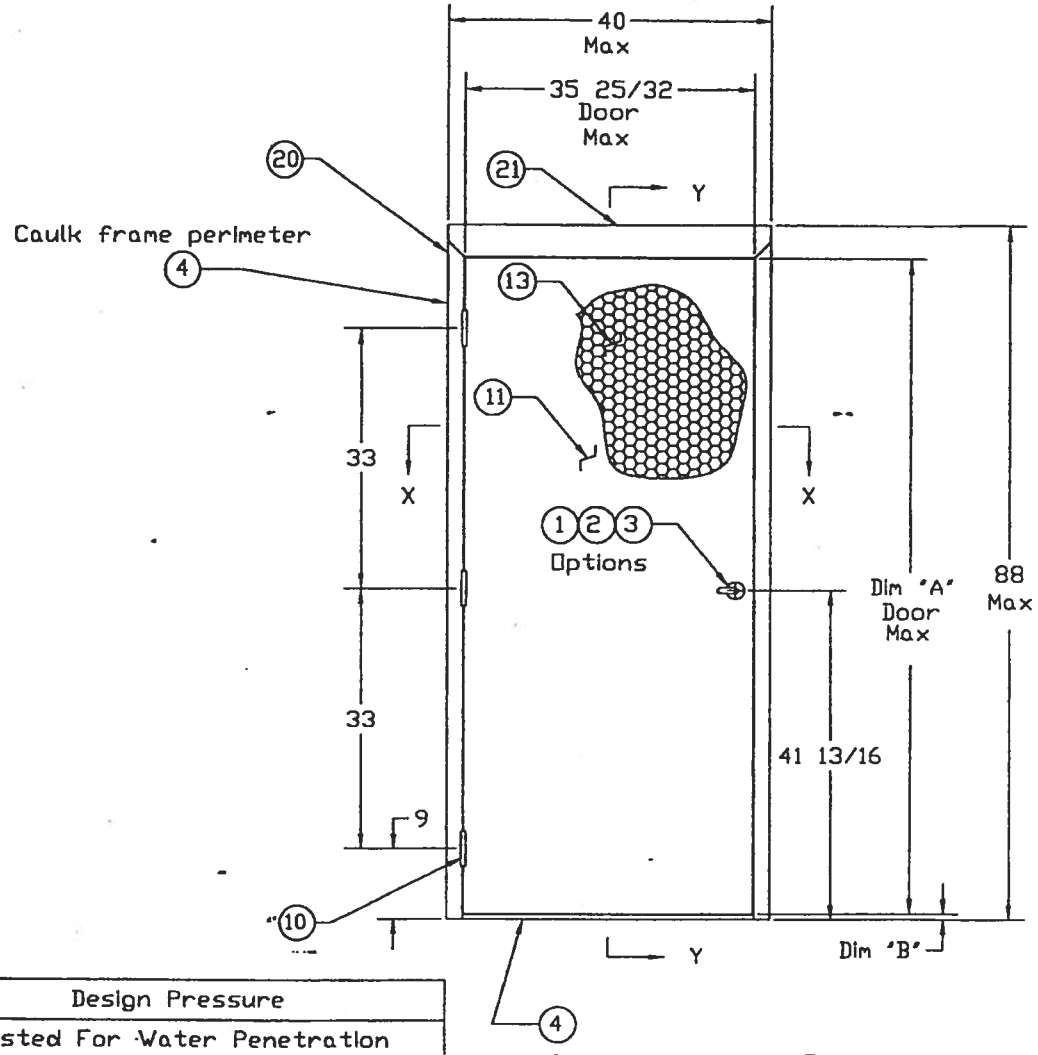
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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.**

PRODUCT CONTROL ACCEPTED



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

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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14 2008
By: Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Deleted CD Drawings Revised Sheet Numbers

MATERIAL SPECIFICATIONS:

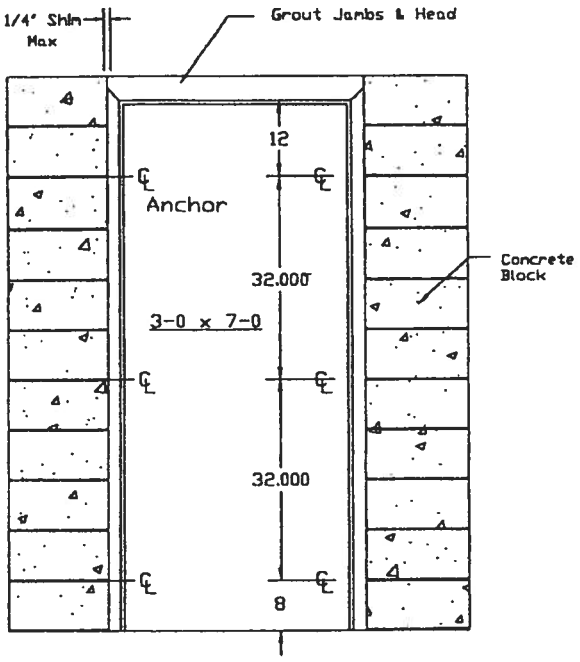
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series Elevation Drawing

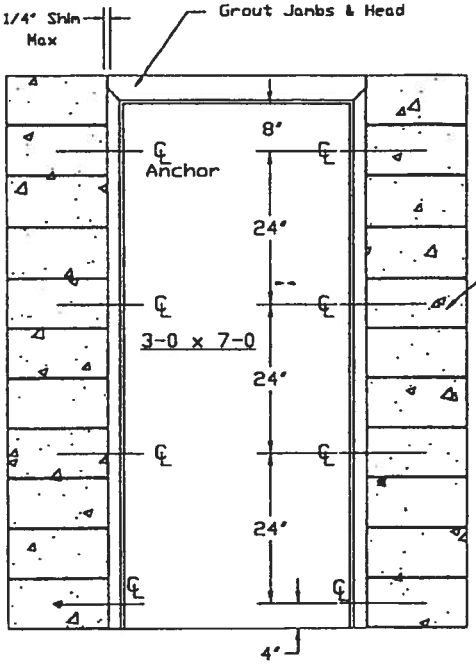
CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97

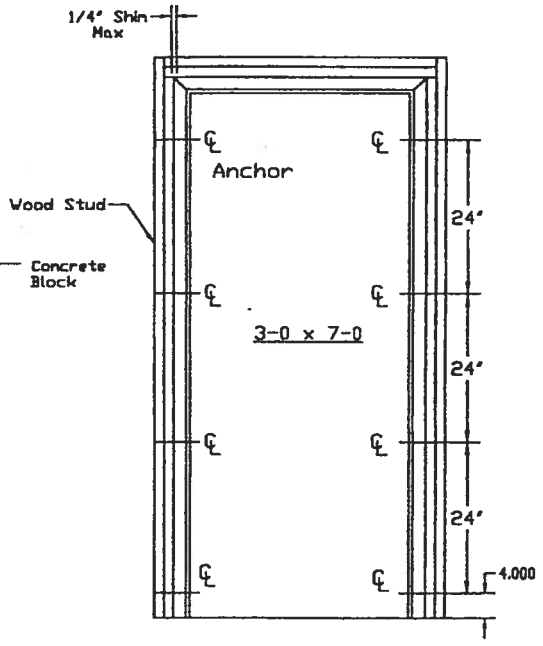
DRAWING NUMBER:
RD0087
Sheet 1 Of 7



Masonry "T" Anchor

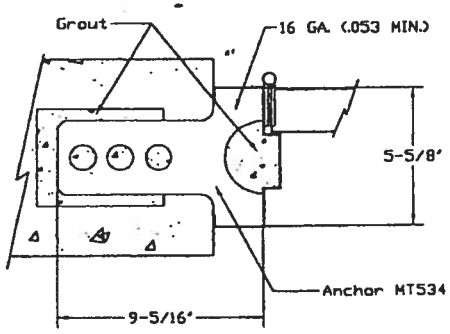


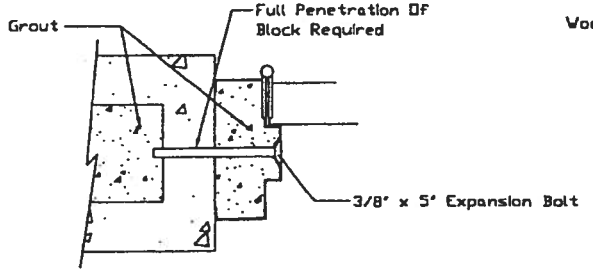
Existing Opening Anchor Into Block

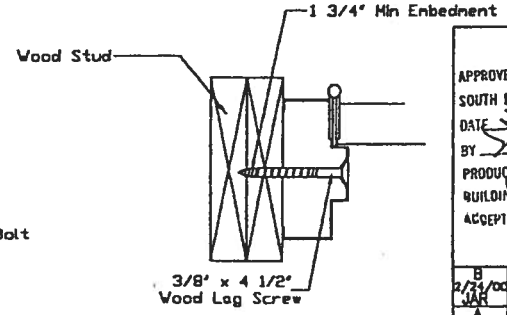


Existing Opening Anchor Into Wood Stud

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date Aug. 14, 2008
By Manuel Perez
Miami-Dade Product Control Division







APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

MATERIAL SPECIFICATIONS:

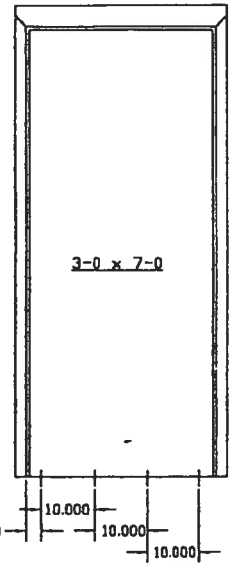
Frame Anchor Installation Details

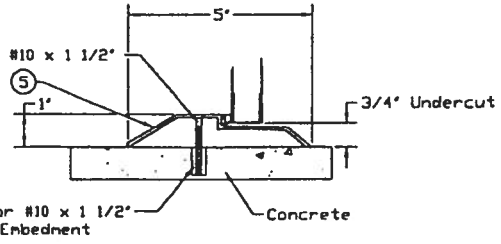
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

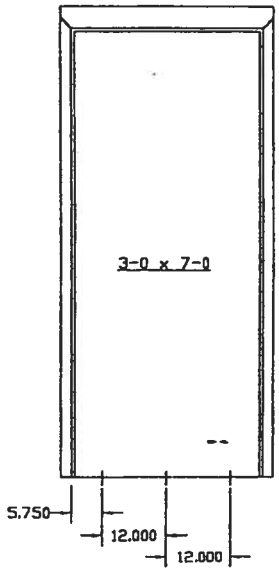
DRAWN BY:	DATE:
GWS	5/30/97

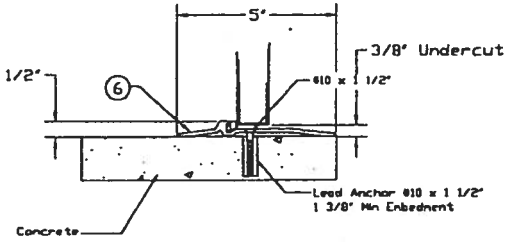
DRAWING NUMBER: RD0087
Sheet 2 of 7



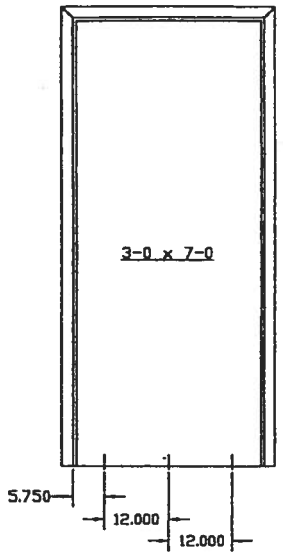


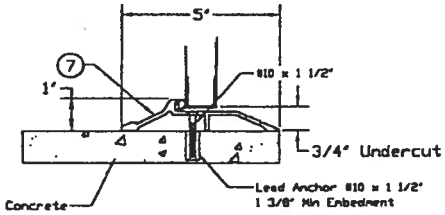
Threshold: National Guard 803S





Threshold: Penko 2005AV

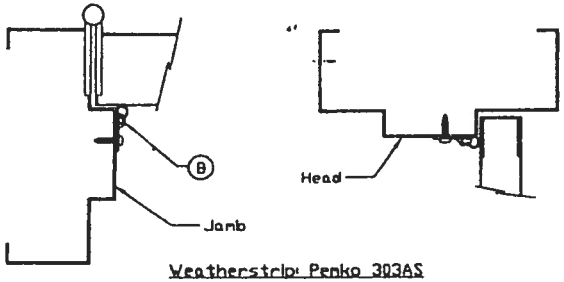




Threshold: Penko 181AV

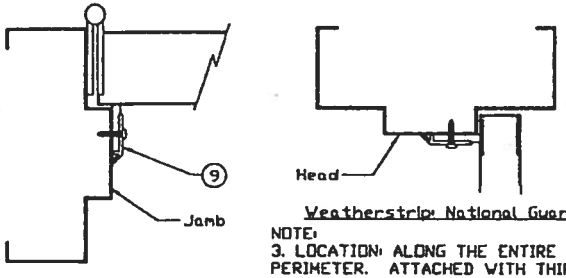
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date AUG. 14, 2008
By Manuel Perez
Miami-Dade Product Control
Division

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



Weatherstrip: Penko 303AS

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



Weatherstrip: National Guard 130NA

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

NOTE: 4. See Sheet 7 For Bill of Material

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08/2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
C 2/24/00 JAR	Revised Format, Transfered Information from NOA
B 7/22/97 GWS	Revised Sheet Number

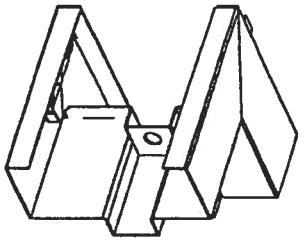
DRAWN BY: GWS DATE: 5/30/97

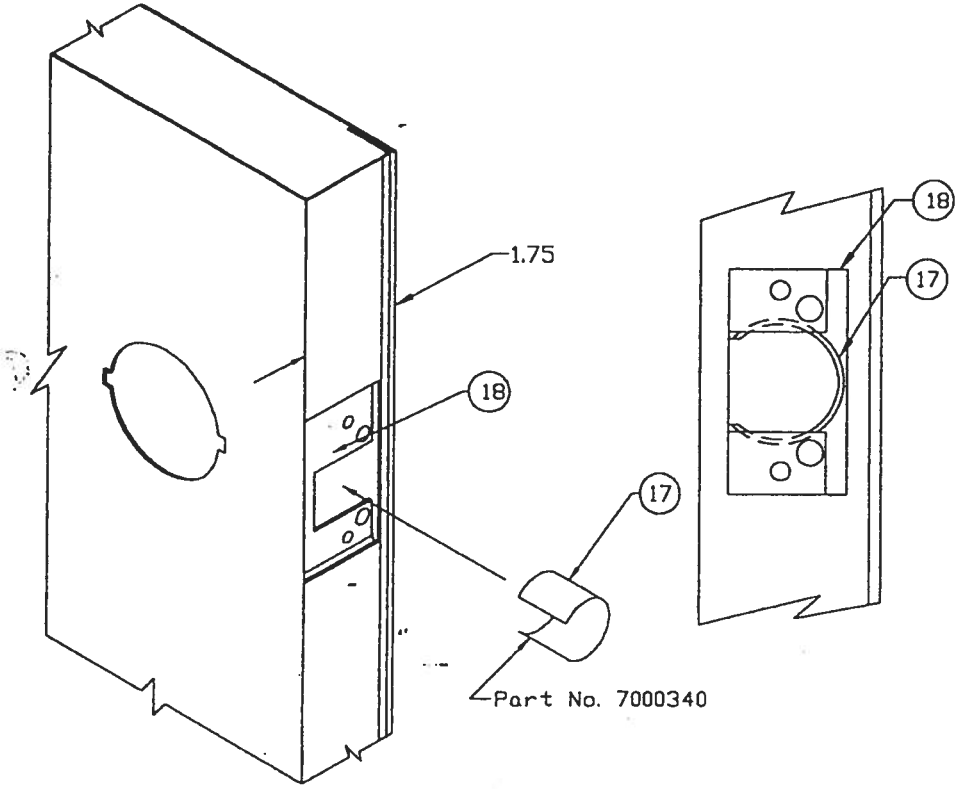
MATERIAL SPECIFICATIONS:

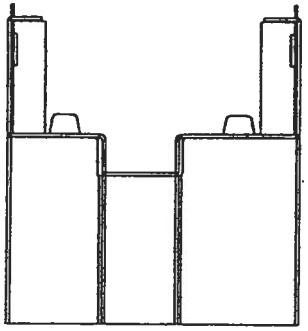
Threshold & Weatherstrip Installation details

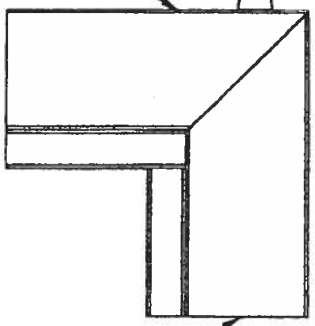
CECO DOOR PRODUCTS
Milan, Tennessee 38358

RD0087
Sheet 3 Of 7









PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG. 14 2008
By: Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

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

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered Information from NOA
A 7/22/97 GWS	Revised Sheet Number

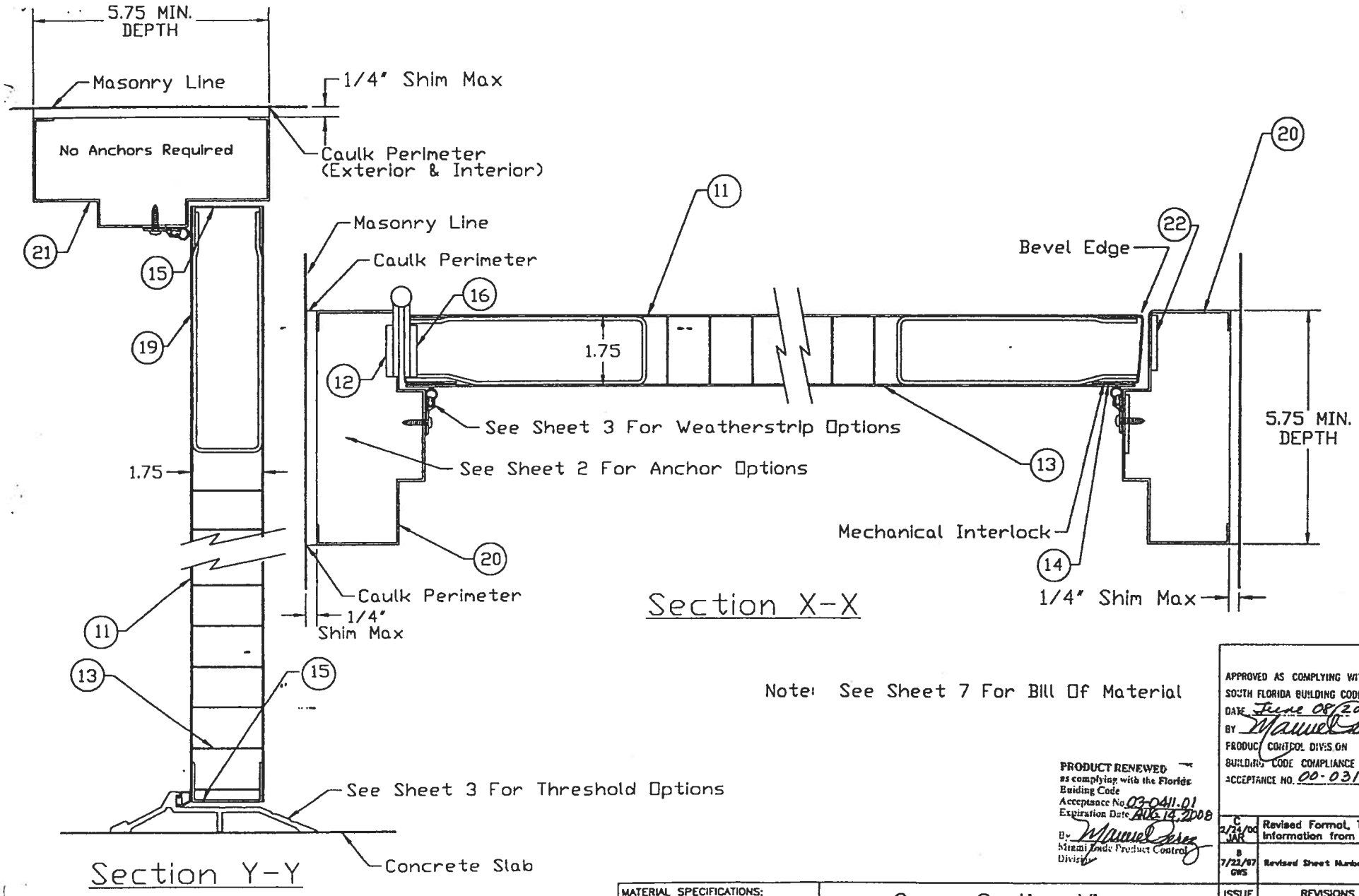
MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 6/06/97

DRAWING NUMBER:
RD0087
Sheet 4 of 7



Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG 14, 2008
By Manuel Perez
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

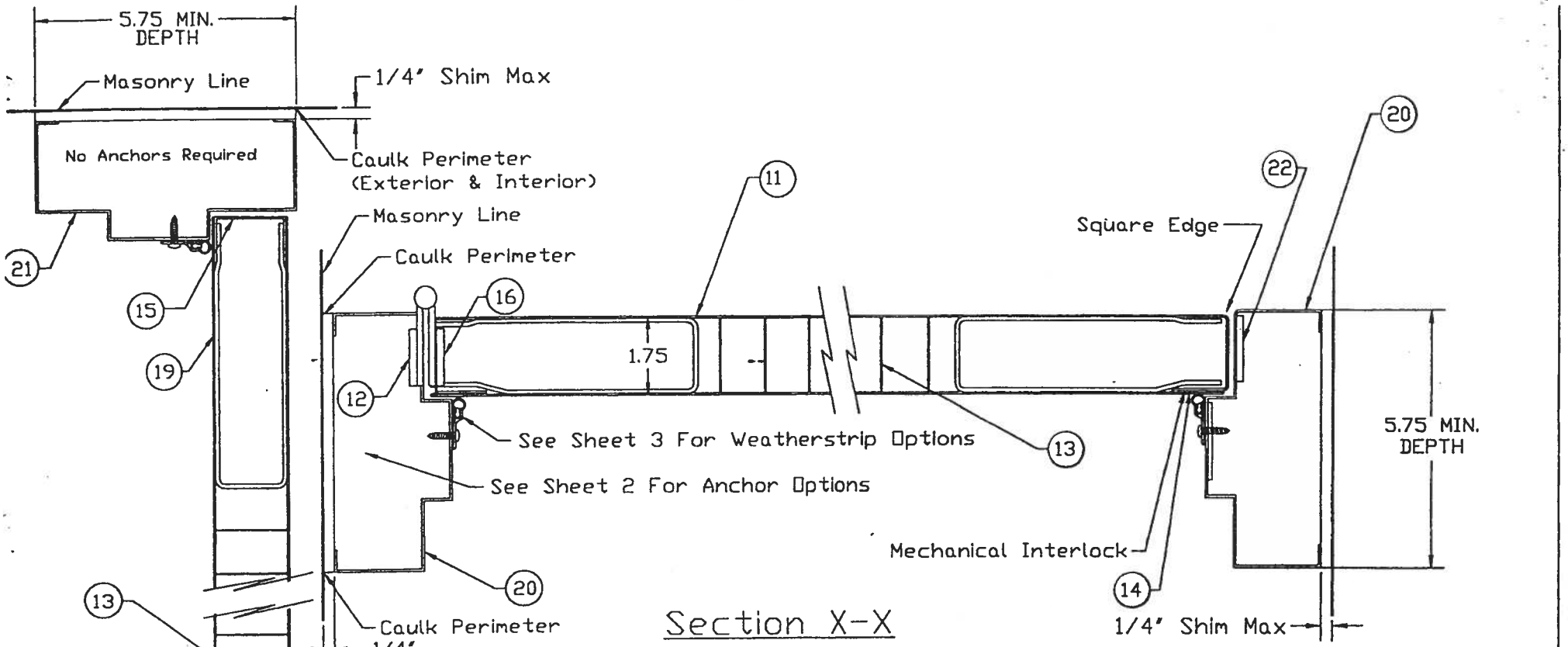
C 2/24/00 JAR	Revised Format, Transfered Information from NOA	
B 7/22/97 GWS	Revised Sheet Number	
ISSUE	REVISIONS	

MATERIAL SPECIFICATIONS:

Cross Section View
Regent Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS
DATE: 5/30/97
DRAWING NUMBER: RD0087
Sheet 5 of 7



Section X-X

Section Y-Y

Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG. 14, 2008
By Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 06, 2000
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

C 2/24/00 JAR	Revised Format, Transfered Information from NOA	
B 7/22/97 GWS	Revised Sheet Number	
ISSUE	REVISIONS	
DRAWN BY: GWS	DATE: 5/30/97	

MATERIAL SPECIFICATIONS:

Cross Section View
Omega Door

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWING NUMBER: RD0087
Sheet 6 of 7

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES AL53PD GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	1	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES AU53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR 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	PEMKO #2005AV		
7	1	PEMKO #181AV		
8	1 ROW	PEMKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TM) BULB INSERT		
9	1 ROW	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-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=36,000 psi)	18 GAUGE (.042" MIN. THICK)
12	3	HINGE REINFORCING PLATE, PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	STEEL	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	DENFLEX 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. (.053" MIN)
16	3	DOOR HINGE REINFORCEMENT		1-1/4" X 9" X 7 GA.
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	28 GA. GALV.	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA.
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	12 GA. (.093")
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBET PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (.053" MIN.) STEEL COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YEILD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 03-0411.01
Expiration Date AUG 14, 2008
By [signature]
Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY [signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

ISSUE	REVISIONS
B 2/24/00 JAR	Revised Format, Transfered information from NOA
A 7/22/97 GWS	Revised Sheet Number

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWN BY: GWS | DATE: 6/02/97

DRAWING NUMBER: RD0087

Sheet 7 of 7

MIAMI-DADE

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

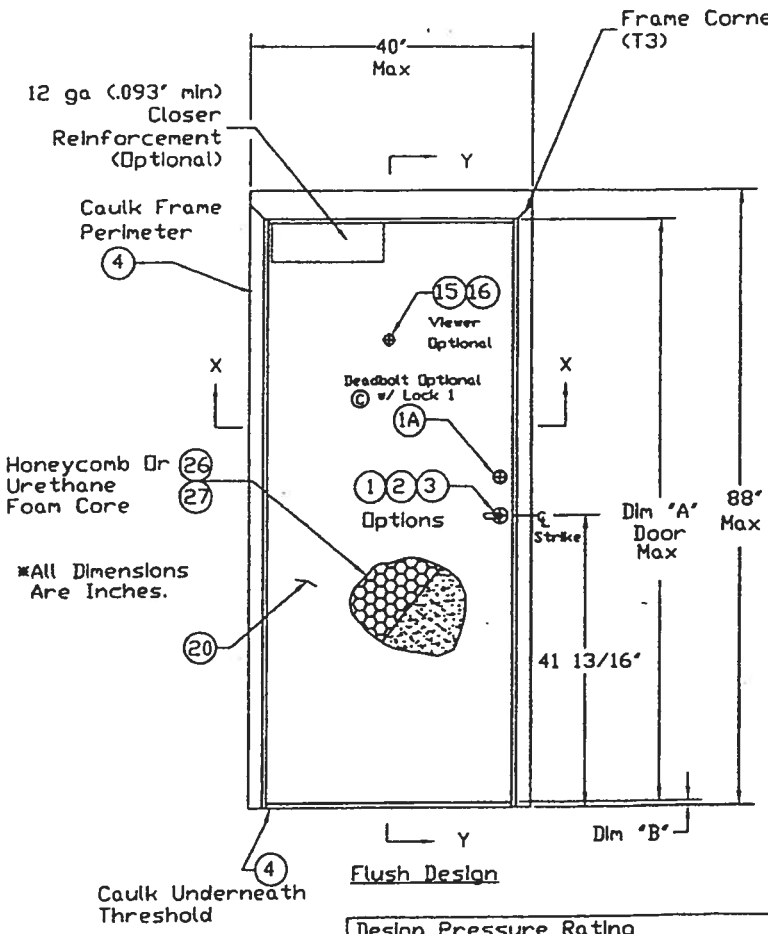
LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

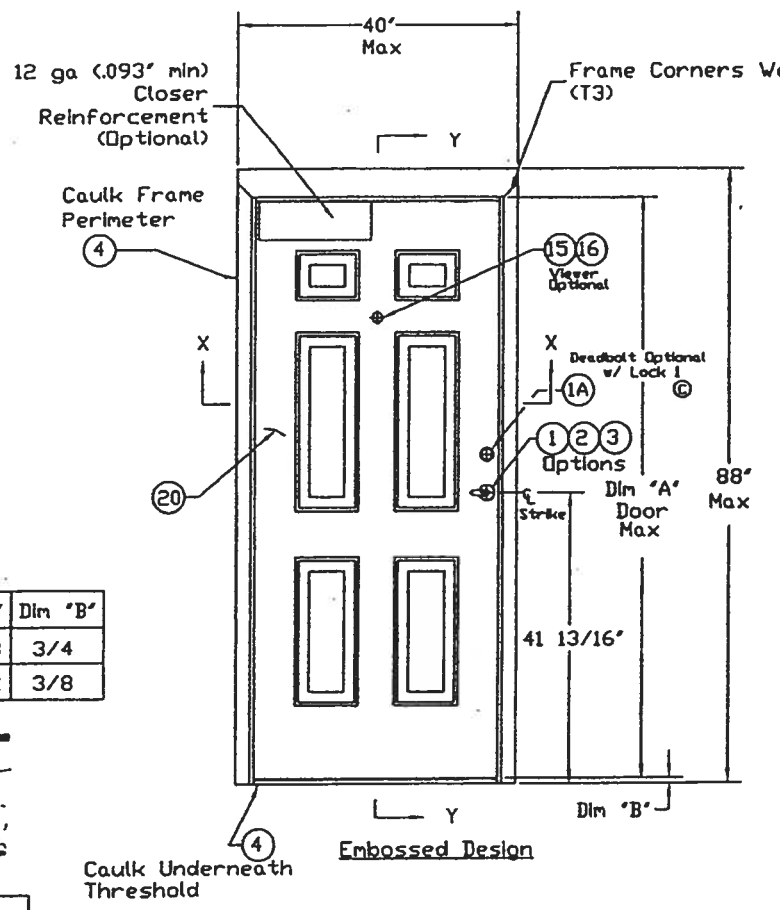
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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.**





In-Swing Door
(Exterior View)

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

Approved as complying with the Florida Building Code
Date OCTOBER 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

Design Pressure Rating		
	Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved	+70 PSF
Negative	Not Approved	-70 PSF

Notes:
1) In-swing Not Approved For Water Infiltration
2) This Door Does Not Need A Hurricane Protection System
3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Bottom.

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing

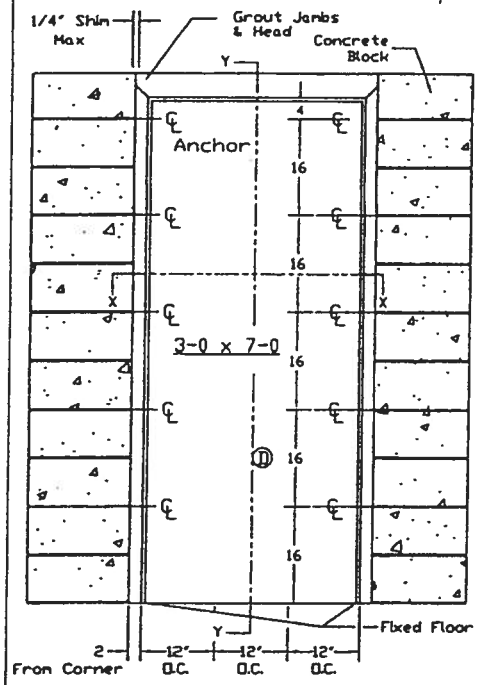
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
B 10/10/02 LT	Revised Per Marked-Up Drawings From Isheq Chanda.
A 8/28/02 LT	Revised Per Marked-Up Drawings From Isheq Chanda.

DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 1 of 9

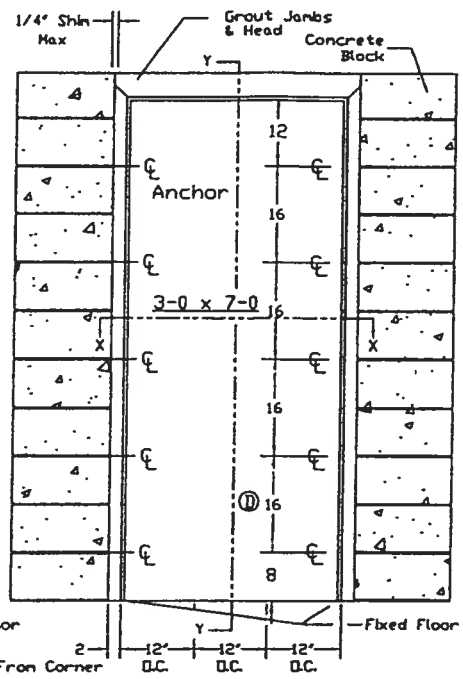
Masonry "T" Anchor

Min. 3500 PSI



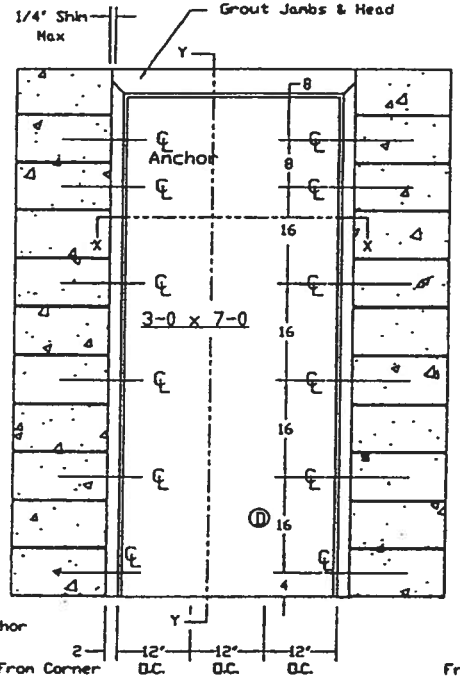
Masonry Wire Anchor

Min. 3500 PSI

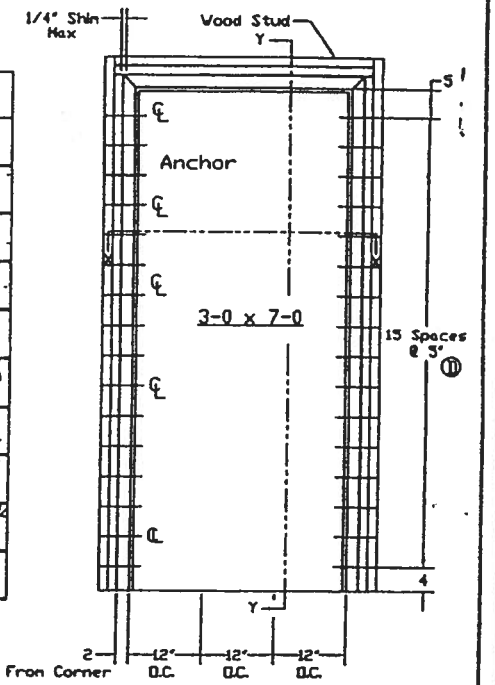


Existing Opening W/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

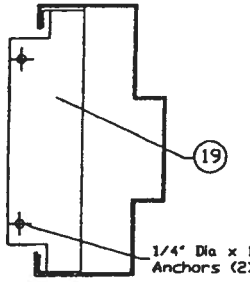


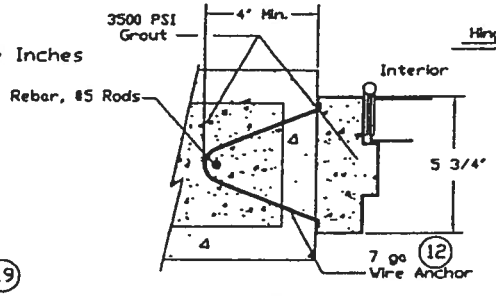
Existing Opening Anchor Into Wood Stud

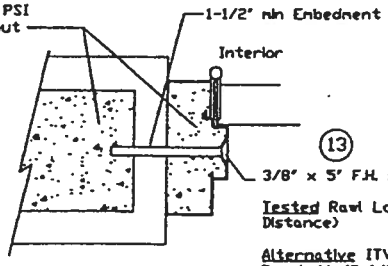


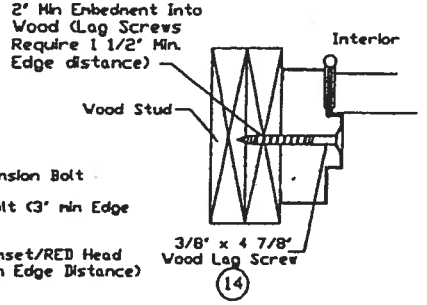
*All Dimensions Are Inches

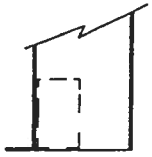
Installation Details
Hinge Jambs / Lock Jambs

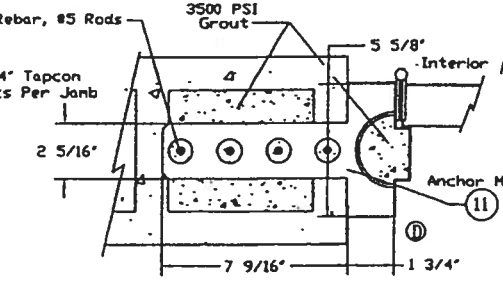












Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

ISSUE	REVISIONS
A 6/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

DRAWN BY: LT
DATE: 5/22/02

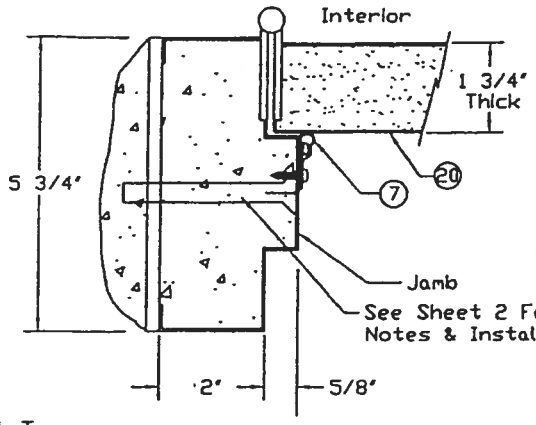
MATERIAL SPECIFICATIONS:

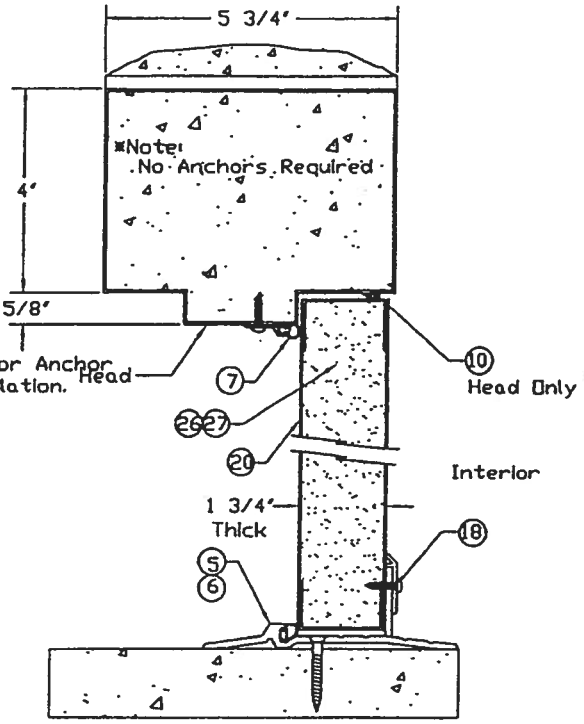
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

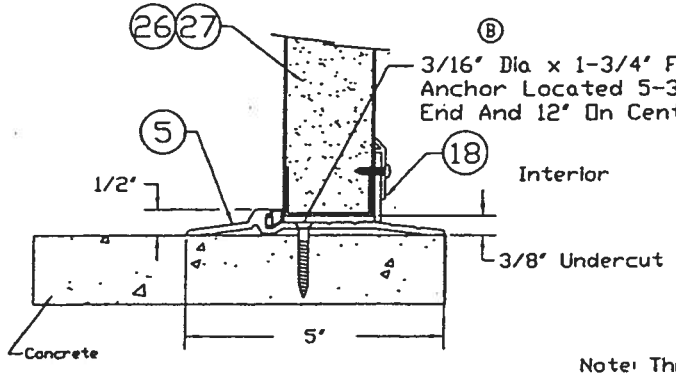
DRAWING NUMBER: RD0728

*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft. load Imposed And Must Be Reviewed By Building Official.





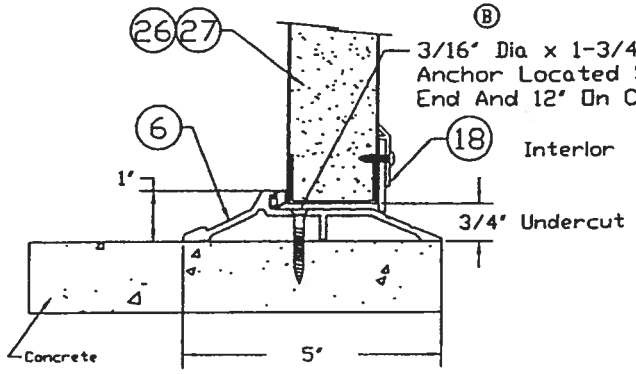
Section Y-Y



Threshold: Pemko 2005AV

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.



Threshold: Pemko 181AV

Approved as complying with the Florida Building Code
Date OCT 31, 2002
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Miami Dade Product Control Division
By Ishaq I. Chanda

D	10/18/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	8/23/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda

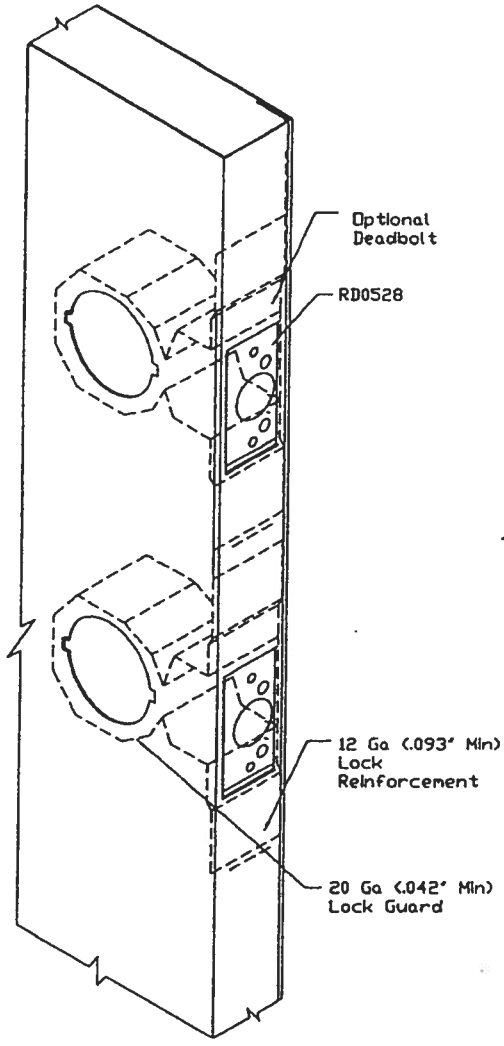
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

MATERIAL SPECIFICATIONS:

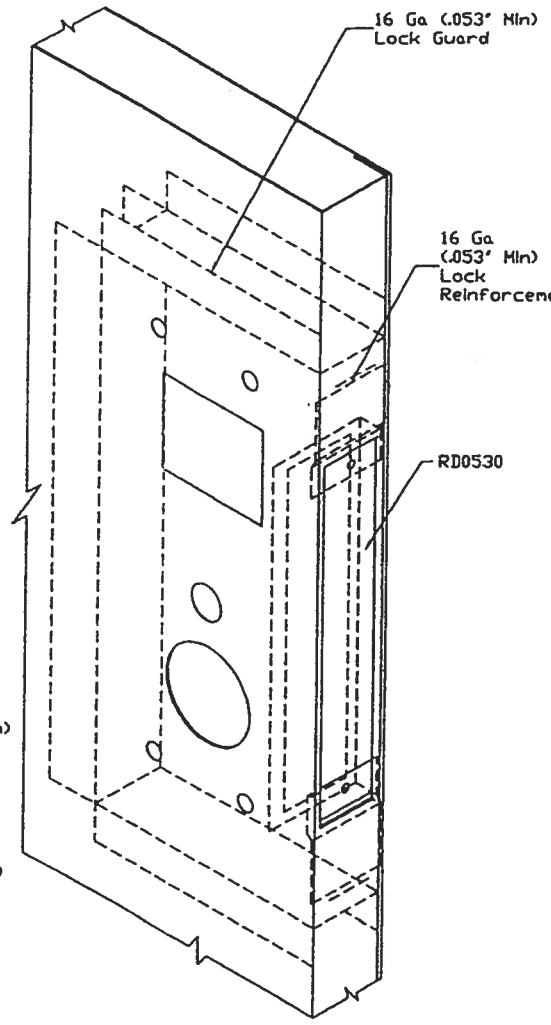
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

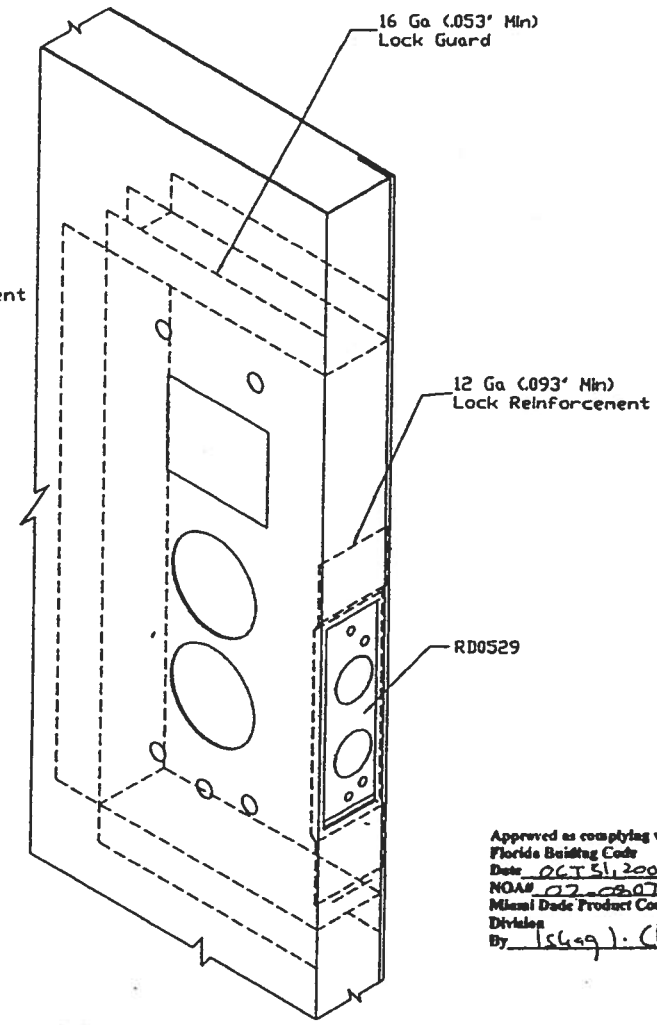
RD0728
Sheet 3 Of 9



Schlage AL53PD



Saflok MT



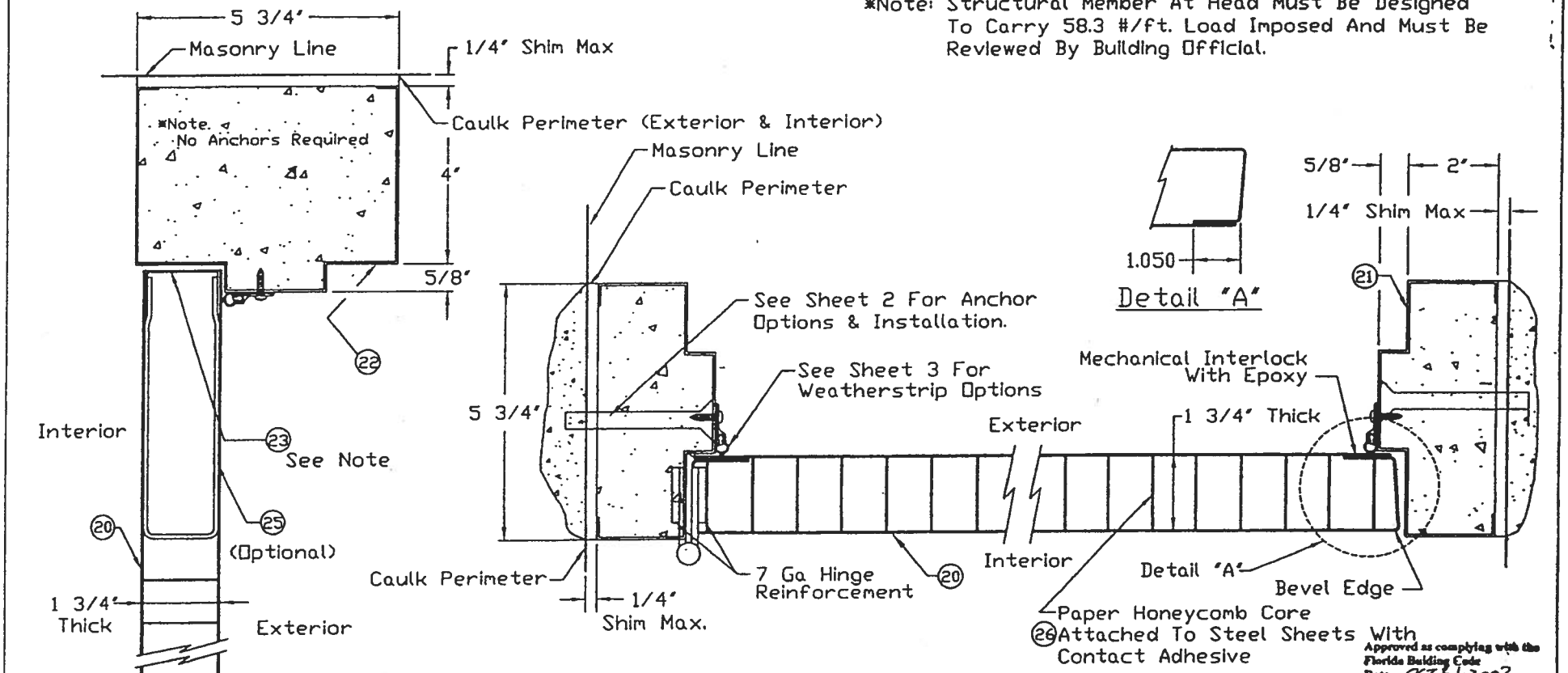
Saflok Premier SL2500

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Isaac J. Chanda

MATERIAL SPECIFICATIONS:	Lock Reinforcement (Inswing Doors) Regent, Omega, Imperial, Versadoor Reinforcement Details	A 5/29/02 LT: Added RD0528, RD0529 & RD0530.
	CECO DOOR PRODUCTS Milan, Tennessee 38358	ISSUE: REVISIONS
		DRAWN BY: LT; DATE: 5/28/02
		DRAWING NUMBER: RD0728 Sheet 4 of 9

JF

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



Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0307.04
Miami Dade Product Control Division
By Ishaq Chanda

ISSUE	REVISIONS
C 10/28/02 LT	Revised Per Marked -up Drawings From Ishaq Chanda.
B 8/30/02 LT	Revised Per Marked -up Drawings From Ishaq Chanda.

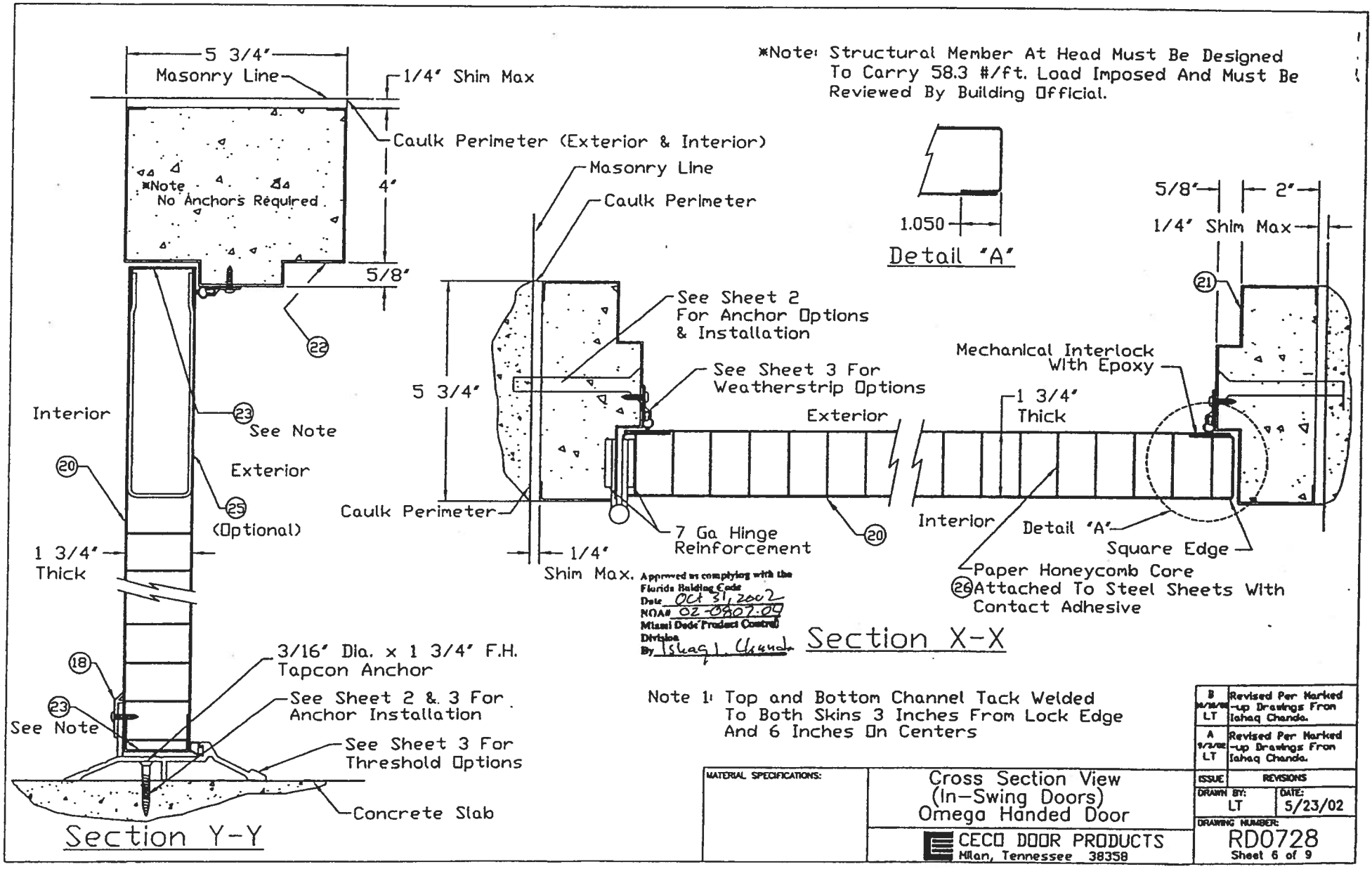
MATERIAL SPECIFICATIONS:

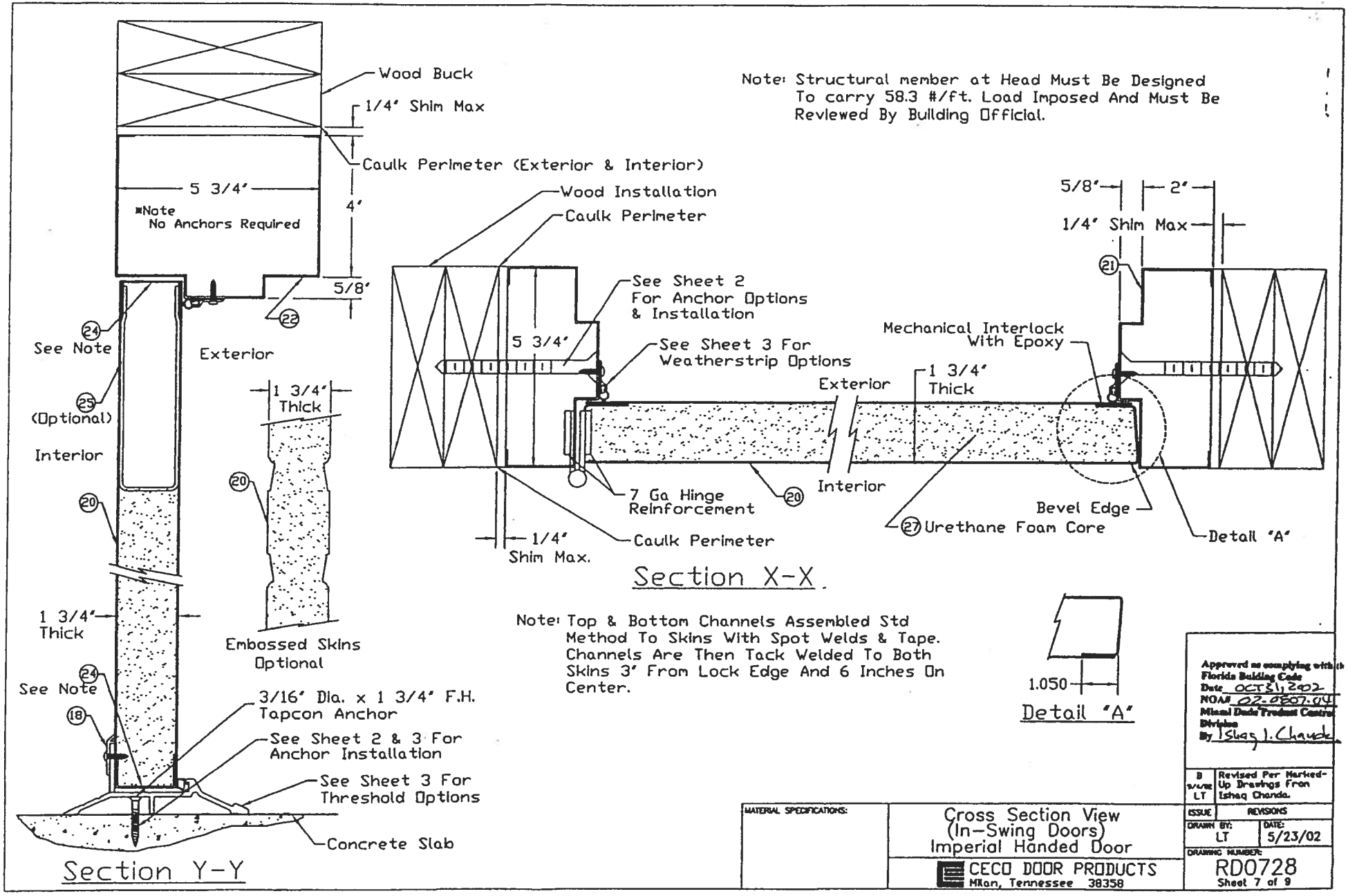
Cross Section View (Inswing Doors) Regent Handed Door

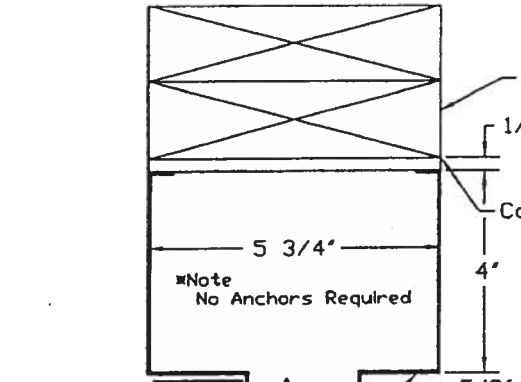
CECO DOOR PRODUCTS
Milan, Tennessee 38358

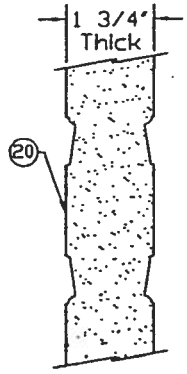
DRAWN BY: LT
DATE: 5/22/02

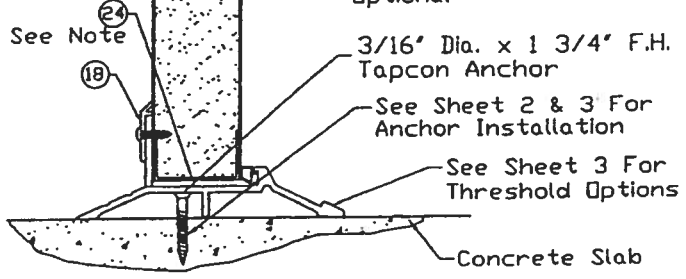
DRAWING NUMBER: RD0728
Sheet 5 of 9


5 3/4"
Masonry Line
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
*Note
No Anchors Required
4"
5/8"
22
Interior
23
See Note
Exterior
20
25
(Optional)
1 3/4"
Thick
18
23
See Note
3/16" Dia. x 1 3/4" F.H.
Tapcon Anchor
See Sheet 2 & 3 For
Anchor Installation
See Sheet 3 For
Threshold Options
Concrete Slab
Section Y-Y
*Note: Structural Member At Head Must Be Designed
To Carry 58.3 #/ft. Load Imposed And Must Be
Reviewed By Building Official.
1.050
Detail "A"
Masonry Line
Caulk Perimeter
See Sheet 2
For Anchor Options
& Installation
See Sheet 3 For
Weatherstrip Options
5 3/4"
Exterior
Caulk Perimeter
7 Ga Hinge
Reinforcement
20
1/4"
Shim Max.
Approved as complying with the
Florida Building Code
Date Oct 31, 2002
NOA# 02-0307.09
Miami Dade Product Control
Division
By Ishaq Chanda
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
1 3/4"
Thick
Interior
Detail "A"
Square Edge
Paper Honeycomb Core
26
Attached To Steel Sheets With
Contact Adhesive
Section X-X
Note 1: Top and Bottom Channel Tack Welded
To Both Skins 3 Inches From Lock Edge
And 6 Inches On Centers
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Omega Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358
B 9/26/02 LT
Revised Per Marked -up Drawings From Ishaq Chanda.
A 9/3/02 LT
Revised Per Marked -up Drawings From Ishaq Chanda.
ISSUE
REVISIONS
DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER:
RD0728
Sheet 6 of 9


Wood Buck
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
5 3/4"
*Note
No Anchors Required
4"
5/8"
22
24
See Note
Exterior
25
(Optional)
Interior
20
1 3/4"
Thick
1 3/4"
Thick
20
Embossed Skins
Optional
24
See Note
18
3/16" Dia. x 1 3/4" F.H.
Tapcon Anchor
See Sheet 2 & 3 For
Anchor Installation
See Sheet 3 For
Threshold Options
Concrete Slab
Section Y-Y
Note: Structural member at Head Must Be Designed
To carry 58.3 #/ft. Load Imposed And Must Be
Reviewed By Building Official.
Wood Installation
Caulk Perimeter
See Sheet 2
For Anchor Options
& Installation
5 3/4"
See Sheet 3 For
Weatherstrip Options
Exterior
7 Ga Hinge
Reinforcement
20
Interior
1/4"
Shim Max.
Caulk Perimeter
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" From Lock Edge And 6 Inches On
Center.
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
1 3/4"
Thick
Bevel Edge
27 Urethane Foam Core
Detail "A"
1.050
Detail "A"
Approved as complying with the
Florida Building Code
Date: OCT 31 2002
NOA# 02-0807.04
Miami-Dade Product Control
Division
By: Ishaq I. Chanda
B
W/ME
LT
Revised Per Marked-
Up Drawings From
Ishaq Chanda.
ISSUE
REVISIONS
DRAWN BY:
LT
DATE:
5/23/02
DRAWING NUMBER:
RD0728
Sheet 7 of 9
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Imperial Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358

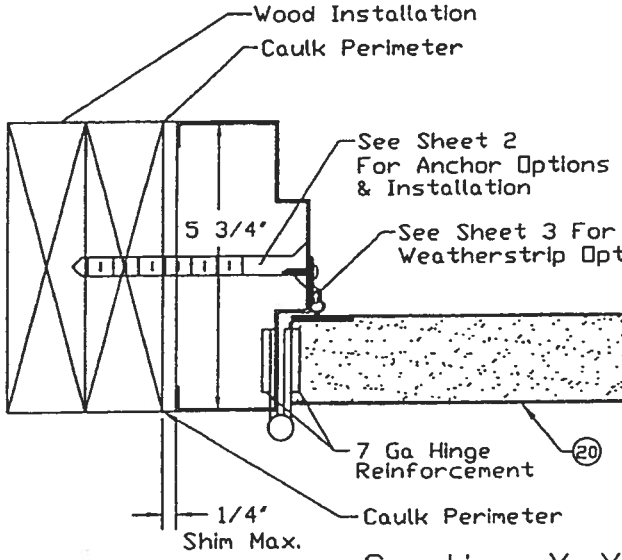




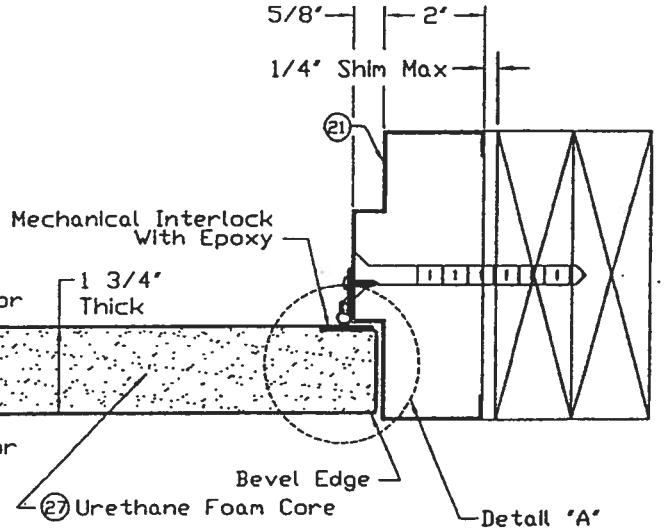


Section Y-Y

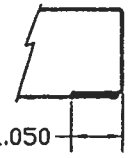
Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



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" From Lock Edge And 6 Inches On Center.



Detail "A"

Approved as complying with the Florida Building Code
Date: OCT 1, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By: Ishaq I. Chanda

B	Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE	REVISIONS

DRAWN BY: LT
DATE: 5/23/02

MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

DRAWING NUMBER: RD0728
Sheet 8 of 9

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) Ⓓ	Schlage	B100
2	Or Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Or Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Pemko	2005AV36
6	Or	Pemko	181AV36
7	Weatherstrip	Pemko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Or (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Pemko	S88
11	Frame Anchor	Masonary Tee (RD0057)	16 ga (.053" min) Galv Steel Fymin = 30ksi
12	Or	Wire, Relaxed Dimension 9" x 8"	#7 (.167 " min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Or	Expansion Bolt	3/8" x 5" F.H. Rawl Lok/Bolt Or 3/8" x 5" F.H. Ramset/RED Head
14	Or	Wood Lag Screw	3/8" x 4-5/8"
15	Viewer	Hager	1755
16	Or	MAG Security	8724-C
17	Drip Cap; Top	Pemko	346
18	Sweep	Pemko	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 Rabbet Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053" min) Commercial Steel Type B (Minimum Yield Strength 30,000psi)	2" Face, 5-3/4" Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	16 Ga (.053" min) Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4" Face, 5-3/4" Depth Min. (RD0033)
23	Door Channels; Spot Welded To Bottom Skin Glued To Top Skin; Tack Welded To Both	16 Ga (.053" min) A60 Galv Conforming To ASTM A653 Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053" min) x 1" x 1-3/4" x 1"
24	Door Channels; Spot Welded To Bottom Skin Taped To Top Skin; Tack Welded To Both	16 Ga (.053" min) A60 Galv Conforming To ASTM A653 Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053" min x 1" x 1-3/4" x 1"
25	Closer Reinforcement (Optional)	12 Ga (.093" min) CS Type B	12 ga (.093" min) x 5-3/8" x 16"
26	Honeycomb Core	Non-Impregnated Kraft Paper Ⓔ	1.2" Nominal Cell Size
27	Urethane Core	Foam Enterprises	2 lb/ft³ Density

Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0807.05
Miami Dade Product Control Division
By Ishaq I. Chanda

B	10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A	9/4/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series In-Swing Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02

DRAWING NUMBER: RD0728
Sheet 9 Of 9

COLUMBIA COUNTY BUILDING DEPARTMENT

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

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 SECTION 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA. OR ALTERNATE METHODOLOGIES APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND TWO-FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: U.S. HIGHWAY 41 FROM COLUMBIA COUNTYS NORTHERN BOUNDARY TO THE INTERSECTION OF MYRTIS ROAD, FOLLOW MYRTIS EAST TO THE INTERSECTION OF C.R. 245, FOLLOW C.R. 245 SOUTH TO THE SOUTHERN BOUNDARY OF COLUMBIA COUNTY.

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

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale("Optional"details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans
☑	☐	Designer's name and signature on document(FBC 104.2.1) If licensed architect or engineer, official seal shall be affixed
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building setbacks c) Location of all other buildings on lot , well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per secition 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure - if more than one wind expore is used , the wind exposure and applicable wind dircetion shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m^2), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
		Elevations including:
☑	☐	a) All Sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☑ ☐ d) Location, size and height above roof of chimneys
☑ ☐ e) Location and size of skylights
d) Building height
e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned
☑ ☐ b) Shear walls
☑ ☐ c) Windows and Doors(including garage doors) showing size, mfg, approval listing and attachmenspecs.(FBC1707)and safety glazing where needed (egress windows in bedrooms to be shown)
☑ ☐ d) Fireplaces (gas appliance(vented or non-vented) or wood burning with hearth
☑ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
☑ ☐ f) Must show and identify accessability requirements (accessible bathroom)

Foundation Plan including:

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

Roof System

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☑ ☐ b) Conventional Framing Layout including
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge Beam sized and valley framing and support details
4. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☑ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and motar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinenforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continous tie from roof to foundation
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Show type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6 mil. polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or

welded wire fabric reinfrocement and supports

11. Indicate where pressuretreated wood will be placed
12. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ b) Wood Frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required connectors with uplift rating and required number and size of fasteners for continous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fasting requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if required)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6 mil polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinenforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ NA c) Metal Frame wall and roof (Designed, signed and sealed by Fl. Reg. Prof. Engineer or Architect)

Floor Framing System

☐ ☐ a) Floor truss package including layout and details signed and sealed by Fl. Reg. P.E.
☐ ☐ b) Floor joist size and spacing
☐ ☐ c) Girder size and spacing
☐ ☐ d) Attachment of joist to girder
☐ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
☐ ☐ b) Ceiling fans
☐ ☐ c) Smoke detectors
☐ ☐ d) Service panel and sub-panel size and location(s) 200 Amp
☐ ☐ e) Meter location with type of service entrance (overhead or underground)
☐ ☐ f) Appliances and HVAC equipment

HVAC information

☐ ☐ a) Manual J sizing equipment or equivalent computation
☐ ☐ b) Exhaust fans in bathrooms

☐ ☐ **Energy Calculations** (dimensions shall match plans)
☐ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment
Disclosure Statement for Owner Builders
Notice of Commencement
Private Potable Water
a) Size of pump motor
b) Size of pressure tank
c) Cycle Stop Valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

1. **Building Permit Application:** A current Building Premit Application form is to be completed and submitted for all residential construction project.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386-758-1084) is required. A copy of property deed is also requested.

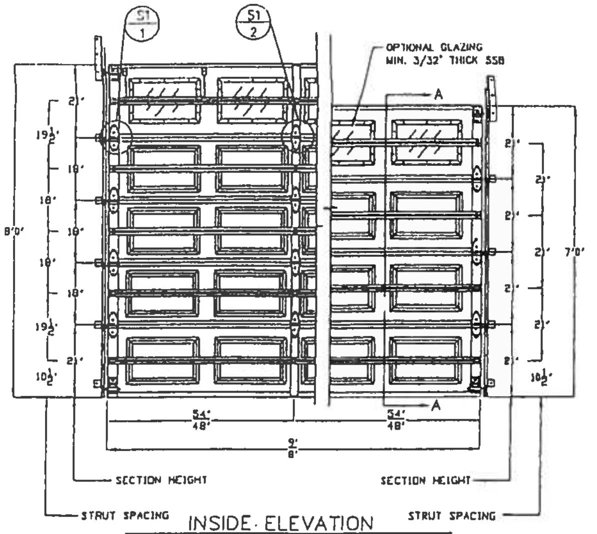
3. **Enviromental Health Permit or Sewer Tap Approval:** A copy of the Enviromental Health permit, existing septic approval or sewer tap approval is required. (386) 758-1058

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

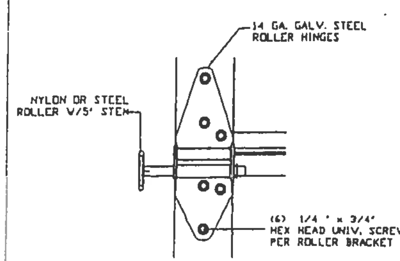
5. **Flood Information:** All,projects within the Floodway of the Suwanne or Santa Fe Rivers shall requie permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) has not been established shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.** A development permit will also be required ($10.00).

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit must be made ($5.00). If applicant feels that a culvert is not needed then they may apply for a culvert waiver ($25.00). The waiver is either approved or denied by the Columbia County Public Works Department.

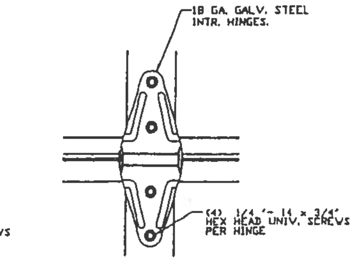
ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE- TIME WILL NOT ALLOW THIS - PLEASE DO NOT ASK



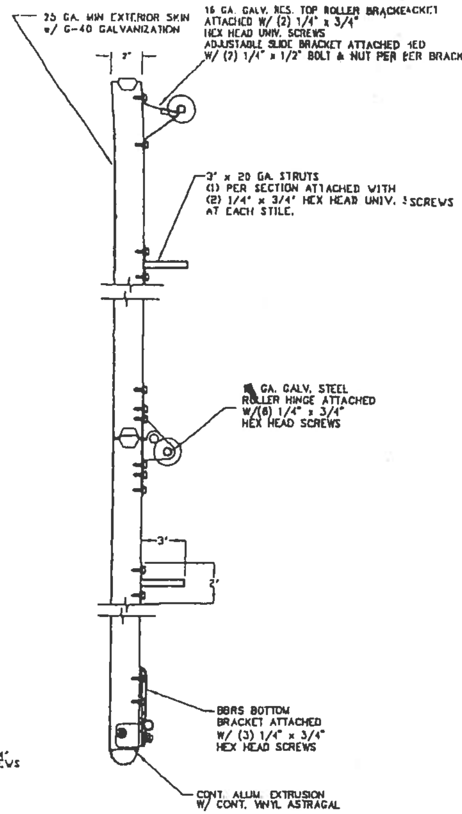
INSIDE ELEVATION



TYP. ROLLER BRACKET (S1/1)
N.T.S.



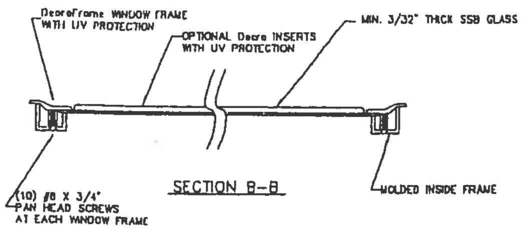
TYP. HINGE CONNECTION (S1/2)
N.T.S.



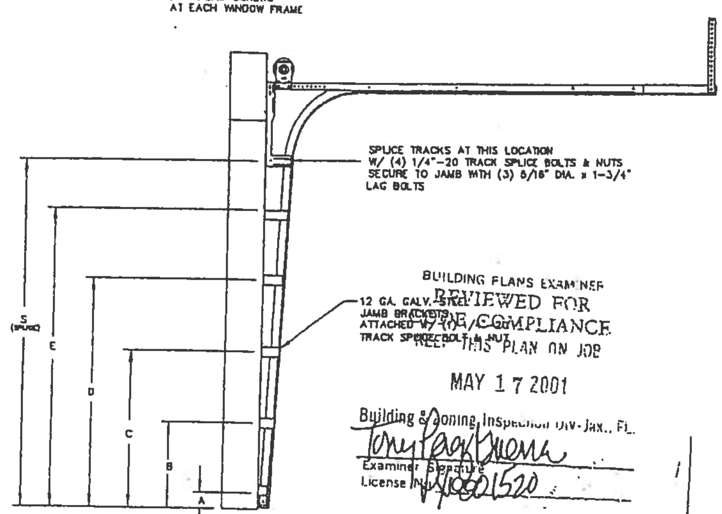
SECTION A–A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 950 DOORS.



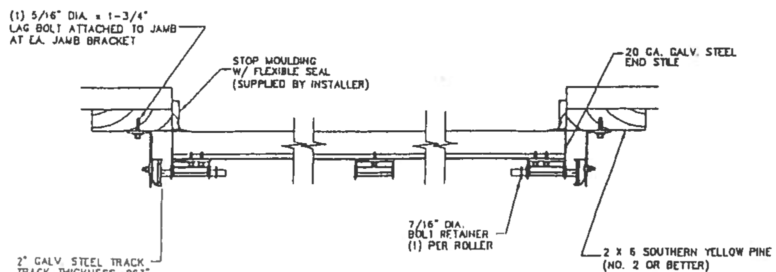
SECTION B–B



TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"



TRACK MOUNTING DETAIL

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.019") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY. G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS:
   A. BASIC WIND SPEED OF 110 MPH
   B. DOOR CAN BE INSTALLED WITH 6 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C

MAX SIZE 8' x 8'

DESIGN LOADS +28.7 PSF -31.3 PSF

TEST LOADS +43.0 PSF -44.0 PSF

Amarr GARAGE DOORS

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

SIZE B

SBC-580-007-J

SHEET 1 OF 1

4/19/01

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-4S-16-03113-161

Building permit No. 000024545

Use Classification SFD, UTILITY

Fire: 44.64

Permit Holder MIKE HERLONG.COL. HOME IMP.

Waste: 134.00

Owner of Building JASON & NICOLE BATES

Total: 178.64

Location: 241 SW GARDNER TERR(WISE ESTAES,LOT 31)

Date: 02/02/2007

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)