

Residential System Sizing Calculation

Summary

Thomas & Usina Noton
426 SW Markham St
Lake City, FL 32024-

Project Title:
603274JenkinsContracting,LLCNoton,Thomas&Usin

Class 3 Rating
Registration No. 0
Climate: North

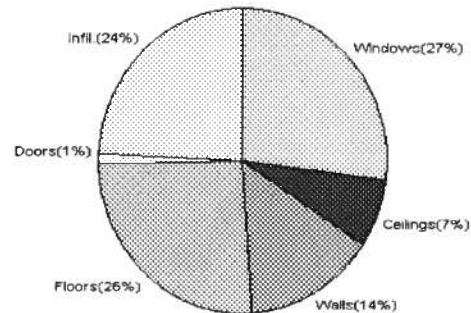
5/5/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	41231 Btuh	Total cooling load calculation	34294 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.8 49000	Sensible (SHR = 0.75)	128.7 36750
Heat Pump + Auxiliary(0.0kW)	118.8 49000	Latent	213.1 12250
		Total (Electric Heat Pump)	142.9 49000

WINTER CALCULATIONS

Winter Heating Load (for 2440 sqft)

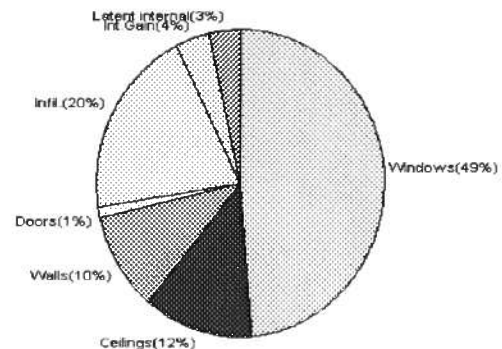
Load component		Load	
Window total	350 sqft	11266	Btuh
Wall total	1803 sqft	5921	Btuh
Door total	40 sqft	518	Btuh
Ceiling total	2546 sqft	3000	Btuh
Floor total	246 sqft	10740	Btuh
Infiltration	242 cfm	9785	Btuh
Duct loss		0	Btuh
Subtotal		41231	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		41231	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2440 sqft)

Load component		Load	
Window total	350 sqft	16655	Btuh
Wall total	1803 sqft	3586	Btuh
Door total	40 sqft	392	Btuh
Ceiling total	2546 sqft	4216	Btuh
Floor total		0	Btuh
Infiltration	124 cfm	2316	Btuh
Internal gain		1380	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		28546	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4548	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		5748	Btuh
TOTAL HEAT GAIN		34294	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *John Grade*

DATE: 5-5-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Thomas & Usina Noton
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Climate: North

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

5/5/2006

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	40.0		32.2	1288 Btuh
2	2, Clear, Metal, 0.87	NW	60.0		32.2	1931 Btuh
3	2, Clear, Metal, 0.87	SW	40.0		32.2	1288 Btuh
4	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
5	2, Clear, Metal, 0.87	NW	5.0		32.2	161 Btuh
6	2, Clear, Metal, 0.87	NW	15.0		32.2	483 Btuh
7	2, Clear, Metal, 0.87	NE	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	NE	4.0		32.2	129 Btuh
9	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
10	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
11	2, Clear, Metal, 0.87	SE	16.0		32.2	515 Btuh
12	2, Clear, Metal, 0.87	SW	30.0		32.2	966 Btuh
Window Total			350(sqft)			11266 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1501		3.3	4929 Btuh
2	Frame - Wood - Adj(0.09)	13.0	302		3.3	992 Btuh
Wall Total			1803			5921 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			40			518Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2546		1.2	3000 Btuh
Ceiling Total			2546			3000Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	246.0	ft(p)	43.7	10740 Btuh
Floor Total			246			10740 Btuh
Zone Envelope Subtotal:						31446 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.66	21960	241.6		9785 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					41231 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

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WHOLE HOUSE TOTALS

	Subtotal Sensible	41231 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41231 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)



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System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

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Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
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Door Total			40		518Btuh
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1	Vented Attic/D/Shin)	30.0	2546	1.2	3000 Btuh
Ceiling Total			2546		3000Btuh
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Zone Envelope Subtotal:					31446 Btuh
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	Natural	0.66	21960	241.6	9785 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				41231 Btuh

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Residential Load - Component Details (continued)

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	Subtotal Sensible	41231 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41231 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)

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(HTM - ManualJ Heat Transfer Multiplier)

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



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System Sizing Calculations - Summer

Residential Load - Whole House Component Details

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Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
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5/5/2006

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	10ft.	9ft.	40.0	0.0	40.0	29	60	2401	Btuh
2	2, Clear, 0.87, None,N,N	NW	10ft.	6ft.	60.0	0.0	60.0	29	60	3602	Btuh
3	2, Clear, 0.87, None,N,N	SW	35ft.	9ft.	40.0	40.0	0.0	29	63	1158	Btuh
4	2, Clear, 0.87, None,N,N	SW	1.5ft.	6ft.	30.0	9.1	20.9	29	63	1569	Btuh
5	2, Clear, 0.87, None,N,N	NW	1.5ft.	2.66	5.0	0.0	5.0	29	60	300	Btuh
6	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	15.0	0.0	15.0	29	60	901	Btuh
7	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	30.0	0.0	30.0	29	60	1801	Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft.	2ft.	4.0	0.0	4.0	29	60	240	Btuh
9	2, Clear, 0.87, None,N,N	SE	8ft.	6ft.	60.0	60.0	0.0	29	63	1738	Btuh
10	2, Clear, 0.87, None,N,N	SE	8ft.	8ft.	20.0	20.0	0.0	29	63	579	Btuh
11	2, Clear, 0.87, None,N,N	SE	1.5ft.	5ft.	16.0	6.1	9.9	29	63	796	Btuh
12	2, Clear, 0.87, None,N,N	SW	1.5ft.	6ft.	30.0	9.1	20.9	29	63	1569	Btuh
	Window Total				350 (sqft)					16655 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1501.0		2.1		3131 Btuh		
2	Frame - Wood - Adj		13.0/0.09		302.0		1.5		456 Btuh		
	Wall Total				1803 (sqft)				3586 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		9.8		196 Btuh		
2	Insulated - Adjacent				20.0		9.8		196 Btuh		
	Door Total				40 (sqft)				392 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle		30.0		2546.0		1.7		4216 Btuh		
	Ceiling Total				2546 (sqft)				4216 Btuh		
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		0.0		246 (ft(p))		0.0		0 Btuh		
	Floor Total				246.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:									24850 Btuh	
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural		0.34		21960		124.4		2316 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			6		X 230 +		0		1380 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)									DGM = 0.00	
	Sensible Zone Load									28546 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

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WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	28546 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	28546 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	28546 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4548 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5748 Btuh
	TOTAL GAIN	34294 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



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System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

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5/5/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	10ft.	9ft.	40.0	0.0	40.0	29	60	2401	Btuh	
2	2, Clear, 0.87, None,N,N	NW	10ft.	6ft.	60.0	0.0	60.0	29	60	3602	Btuh	
3	2, Clear, 0.87, None,N,N	SW	35ft.	9ft.	40.0	40.0	0.0	29	63	1158	Btuh	
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5	2, Clear, 0.87, None,N,N	NW	1.5ft.	2.66	5.0	0.0	5.0	29	60	300	Btuh	
6	2, Clear, 0.87, None,N,N	NW	1.5ft.	6ft.	15.0	0.0	15.0	29	60	901	Btuh	
7	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	30.0	0.0	30.0	29	60	1801	Btuh	
8	2, Clear, 0.87, None,N,N	NE	1.5ft.	2ft.	4.0	0.0	4.0	29	60	240	Btuh	
9	2, Clear, 0.87, None,N,N	SE	8ft.	6ft.	60.0	60.0	0.0	29	63	1738	Btuh	
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Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			2546.0			1.7		4216 Btuh		
Ceiling Total					2546 (sqft)					4216 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	0.0			246 (ft(p))			0.0		0 Btuh		
Floor Total					246.0 (sqft)					0 Btuh		
Zone Envelope Subtotal:										24850 Btuh		
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	SensibleNatural	0.34			21960			124.4		2316 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	6			X 230 +			0		1380 Btuh			
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
	Sensible Zone Load										28546 Btuh	

Manual J Summer Calculations

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	Sensible Duct Load	0 Btuh
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	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	28546 Btuh
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	Latent ventilation gain	0 Btuh
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(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



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Residential Window Diversity

MidSummer

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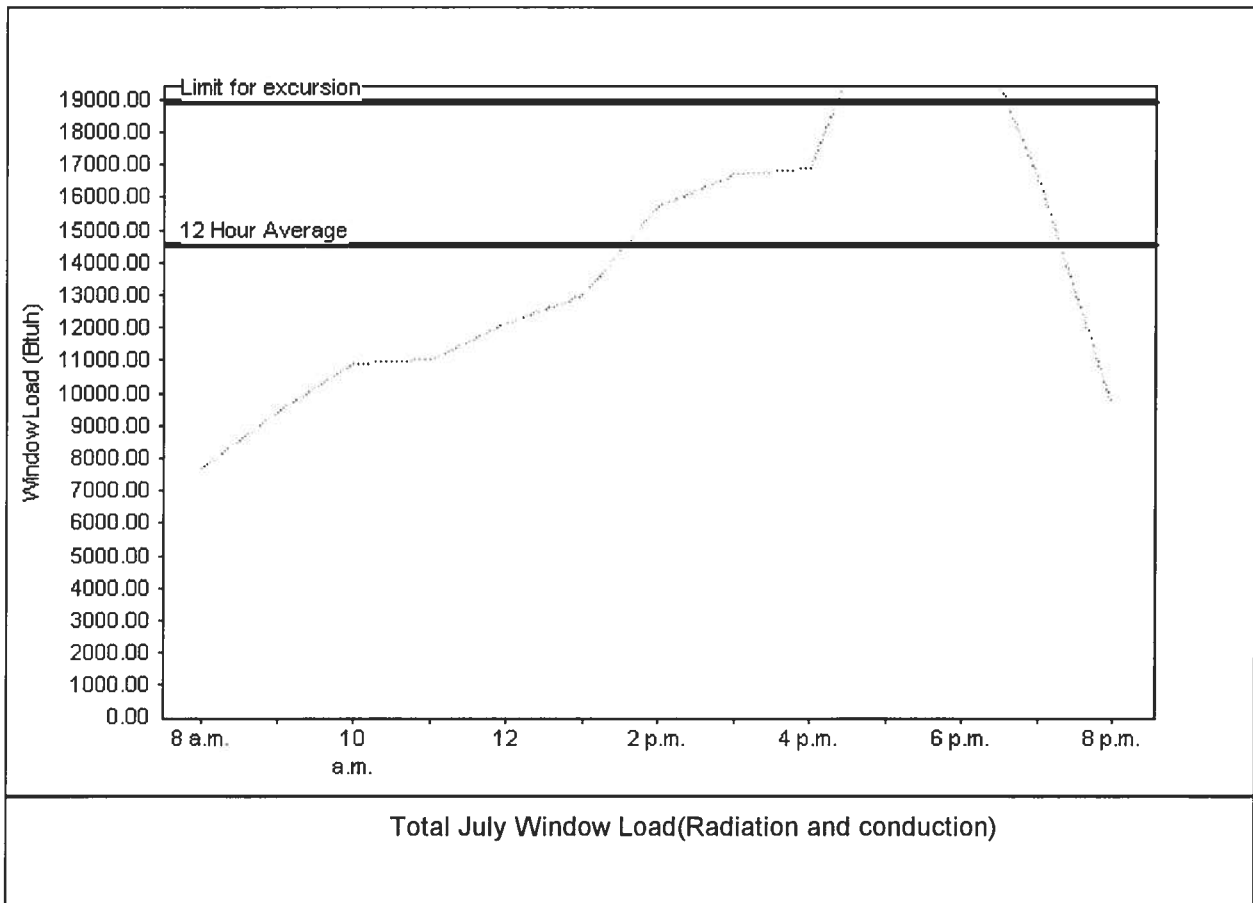
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Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14559 Btu
Summer setpoint	75 F	Peak window load for July	22740 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18926 Btu
Latitude	29 North	Window excursion (July)	3813 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: *5-5-06*

EnergyGauge® FLR2PB v4.1



12/21/2004 09:39
EXPOSURE 5X
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

3867584735

non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

LAKE CITY INDUSTRIES

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood.
Gallery Collection: Balsam Forest, Weathered Sage, Sienna Sunset.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.



All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.



All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.
**Check for product availability.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tussockloose plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

SOUTHEAST &
ATLANTIC OFFICE:
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

ELK
www.elkcorp.com

SSOOT 01/02

Michael Jenkins

From: Ed Gutin - Lake City Industries



Architectural Testing

DP35

5 pages

STRUCTURAL TEST REPORT

Rendered to:

JORDAN COMPANIES

Series/Model: 8500

Type: 3-Wide Matted PVC Single Hung Window

587 First Street SW
New Brighton, MN 55112
phone: 651.636.3835
fax: 651.636.3843
www.architest.com

Report No: 02-33516.01
Test Date: 10/04/01
Report Date: 11/13/01
Expiration Date: 10/04/05

**STRUCTURAL TEST REPORT**

Rendered to:

JORDAN COMPANIES
4661 Burbank Road, Box 18377
Memphis, Tennessee 38118

Report No: 02-33516.01
Test Date: 10/04/01
Report Date: 11/13/01
Expiration Date: 10/04/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to witness performance testing on Jordan Series 8500 3-wide mullied PVC single hung windows. Test specimen description(s) and results are reported herein.

Test Procedure: The test specimens were evaluated in accordance ASTM E 330-97, "Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference."

Test Specimen Description:

Series/Model: 8500

Type: 3-wide mullied PVC single hung window

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

Individual Window Size (3): 2' 11-5/8" wide by 5' 11-5/8" high

Finish: All PVC was white.

Glazing Details: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets and a desiccant-filled spacer system. The glass for the sash was set from the exterior against a bed of silicone with PVC stops used on the exterior.

02-33516.01
Page 2 of 3**Test Specimen Description (Continued)****Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.230" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum mullion reinforcement was fastened to one jamb using three #8 by 1-1/4" screws, one at midpoint and one approximately 8" to 12" from each end at the jambs. Silicone was used on the exterior only to seal between the reinforcement and the jambs. PVC mullion couplings were snap-fit onto the interior and exterior.

Sash Construction: Sash corners were miter-cut and welded. Sash meeting rail utilized aluminum reinforcement.

Hardware:

Metal cam locks with keepers	6	6" from ends on meeting rail
Plastic tilt latches	6	Sash top rail corners
Metal tilt pins	6	Sash bottom rail corners
Block-and-tackle balances	6	One per jamb

Drainage:

3/16" by 5/8" slots	6	1-3/4" from ends in sill pocket to hollow below
3/16" by 5/8" slots	6	Ends of sill through interior wall
1/8" by 1/2" slot	6	1-3/4" from ends through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 6" wood test buck and secured with screws and silicone.

02-33516.01

Page 3 of 3

Test ResultsTitle of Test - Test MethodResultsAllowed

Uniform Load Structural per ASTM E 330-97

(Permanent set measurements reported were taken on the intermediate nullion)

@ 52.5 psf (positive)

0.03"

0.4% L = 0.286" max.

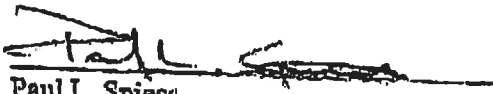
@ 52.5 psf (negative)

0.06"

0.4% L = 0.286" max.

A copy of this report will be retained by ATI for a period of four years. This report is the exclusive property of the client so named herein and is applicable to the sample tested. Results obtained are tested values and do not constitute an opinion or endorsement by this laboratory.

For ARCHITECTURAL TESTING, INC.



Paul L. Spiess
Project Manager



Daniel A. Johnson
Regional Manager

PLS/jb
02-33516.01

**DOCUMENT CONTROL ADDENDUM 02-33516.00****Current Issue Date: 11/13/01**

Report No. 02-33516.01**Requested by: Darrel Booth****Purpose: Structural testing on 8500 3-wide mulled PVC single hung windows****Issue Date: 11/13/01**



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

**Ceco Door Products
9159 Telecom Drive
Milan, TN 38358**

out swing

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

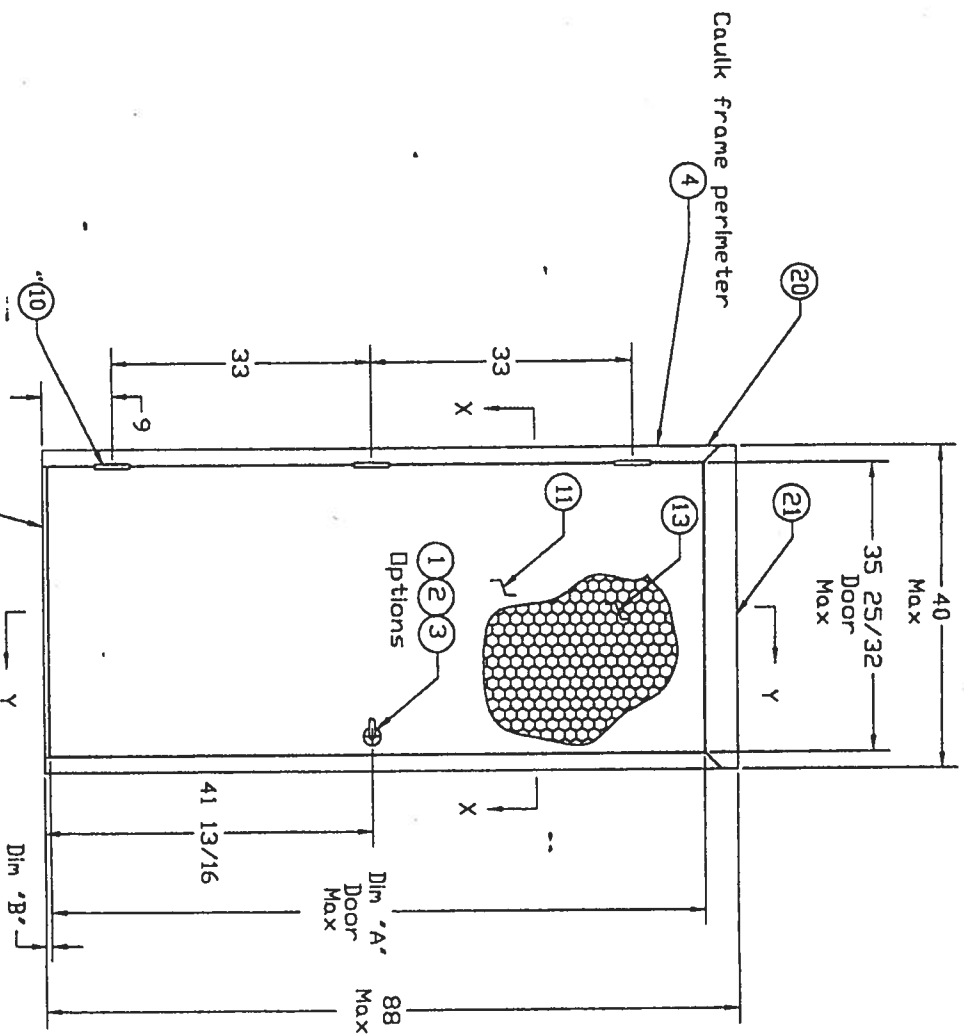
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

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



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



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

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

Caulk Underneath Threshold

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

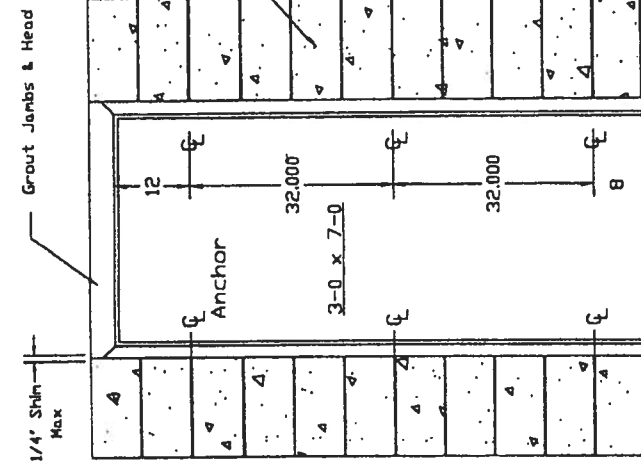
PRODUCT REVIEWED
as compliant with the Florida
Building Code
Acceptance No. 03-041.01
Expiration Date Aug. 18, 2008
By: *William J. Davis*
Mississippi Product Control
Division

MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

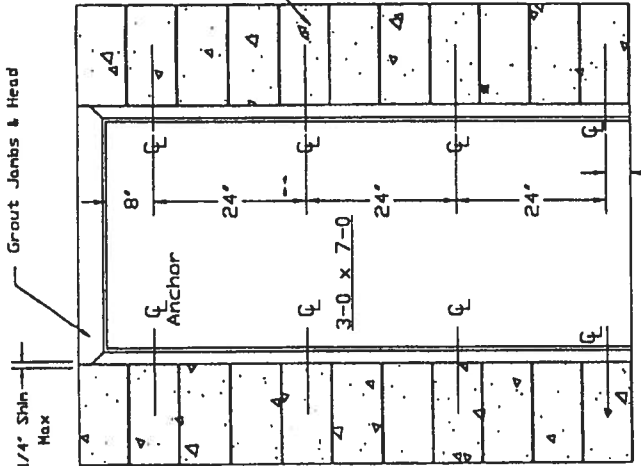
3-0 x 7-0 Series
Elevation Drawing

CECD DOOR PRODUCTS
Millon, Tennessee 38358

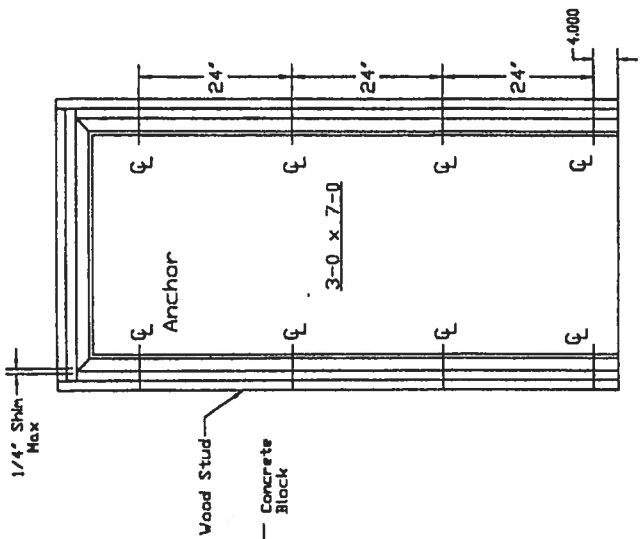
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: <i>May 08 2008</i> BY: <i>William J. Davis</i>	
PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 03-041.01	
Revised Format, Transferred Information from NDA	Revised CO Drawings Revised Sheet Numbers
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD0087	
Sheet 1 of 7	



Masonry "T" Anchor

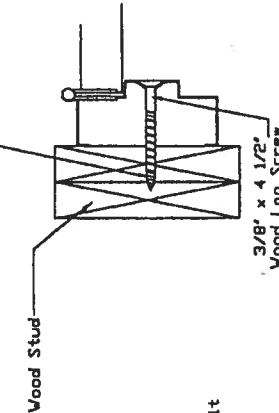
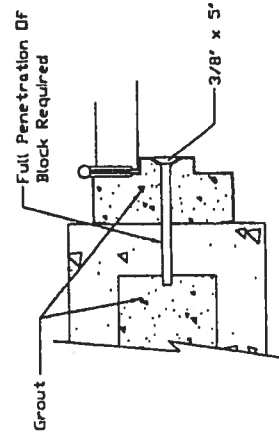
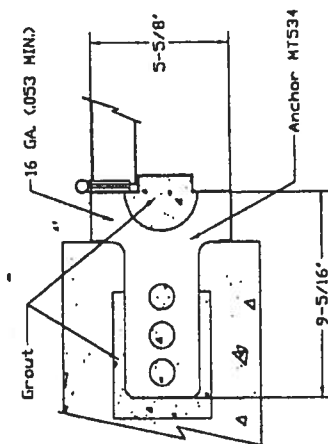


Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-041 (0)
Expiration Date 06/16/2008
By: *Michael J. [Signature]*
Miami-Dade Product Control
Division

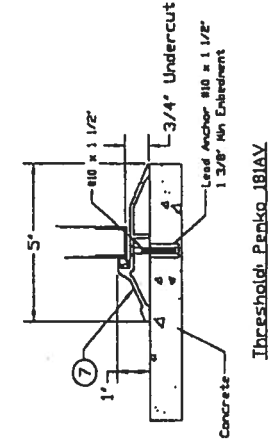
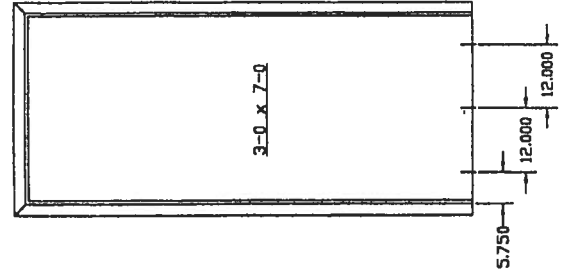
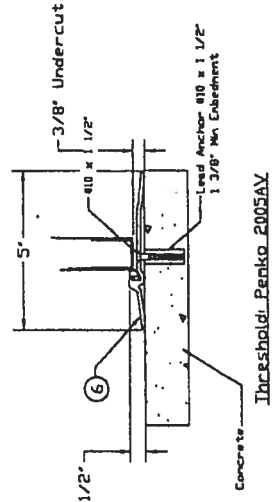
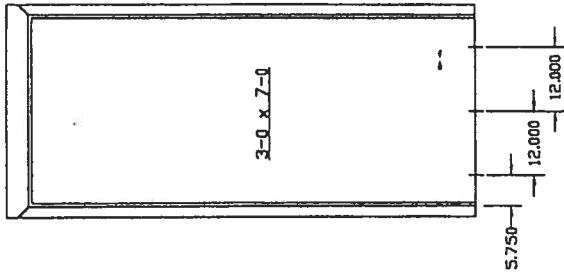
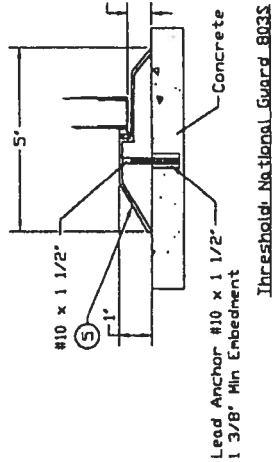
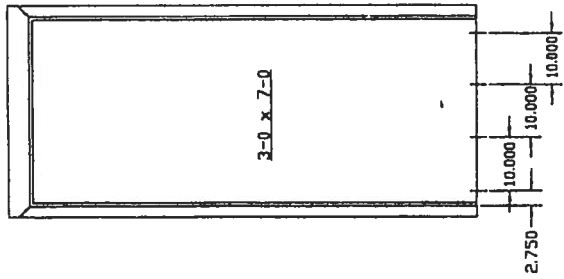


NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

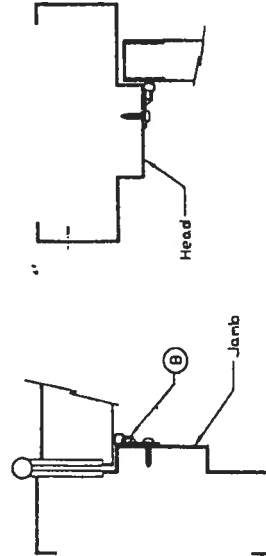
MATERIAL SPECIFICATIONS:

Frame Anchor
Installation Details
CECO DOOR PRODUCTS
Millen, Tennessee 38358

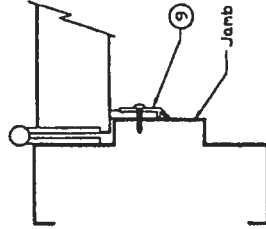
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DATE: <i>June 08, 2008</i>	BY: <i>Michael J. [Signature]</i>	7/22/07 GWS	Revised Sheet Number
PRODUCED BY CONTROL DIVISION ON BUILDING CODE COMPLIANCE OFFICE		7/22/07 GWS	
ACCEPTANCE NO. 03-041 (0)		7/22/07 GWS	
DRAWN BY: GWS		DATE: 5/30/97	
DRAWING NUMBER: RD0087		REVISIONS:	
Sheet 2 of 7			



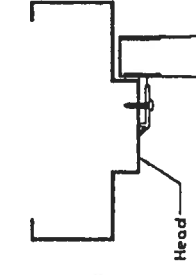
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



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.



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.



MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip
Installation details

NOTE: 4. See Sheet 7 For Bill of Material

CECO DOOR PRODUCTS
Millon, Tennessee 38358

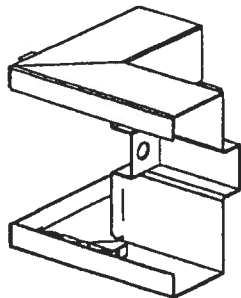
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RD0087
Sheet 3 of 7

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-041-01
Expiration Date 08/18/2008
By: [Signature]
Manufacturer Product Counsel
Univisys

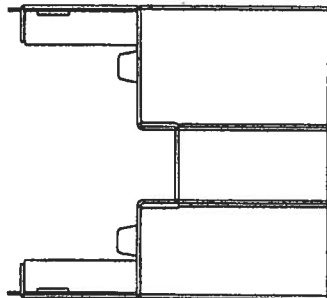
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 08/08/2000
BY: [Signature]
PRODUCT COUNSEL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

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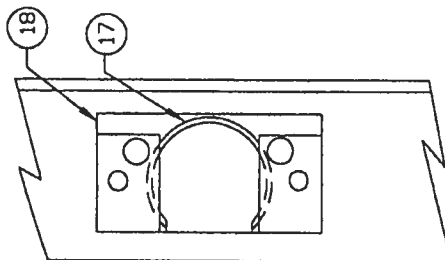
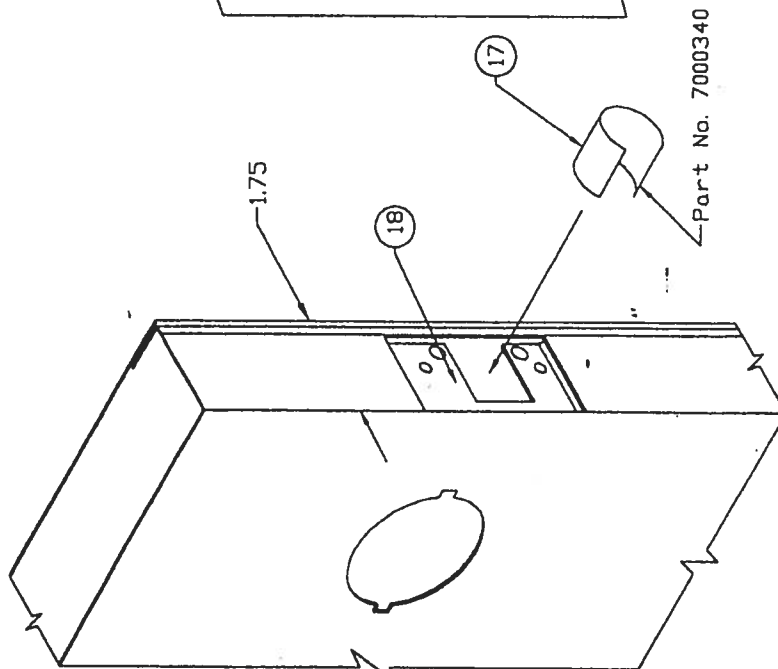


Interlocking Fold Over Tab

Frame Head



Frame Jamb



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date 01/14/2008
By *Michael J. J...*
Milan Door Products Company
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08/2000*
BY *Michael J. J...*
PRODUCED BY: DIVISION OF
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0311-03

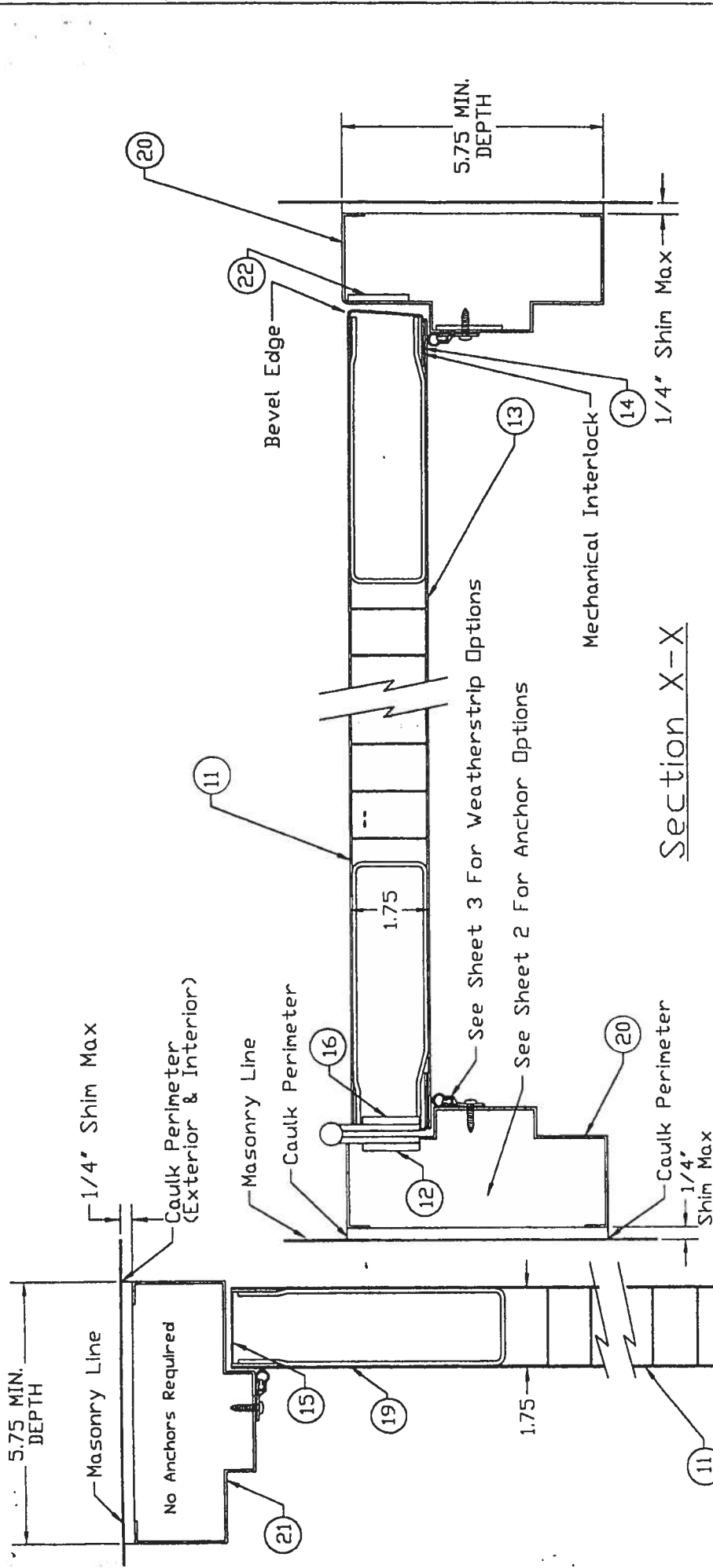
Note: 1. For Cylindrical Lock Only
2. See Sheet 7 For Bill Of Material

MATERIAL SPECIFICATIONS:

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

 CECO DOOR PRODUCTS
Milan, Tennessee 38358

2/24/00 GWS	Revised Format, Transferred Information from NOA
7/22/07 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 6/06/97
DRAWING NUMBER: RD0087	Sheet 4 of 7



Section X-X

Section Y-Y

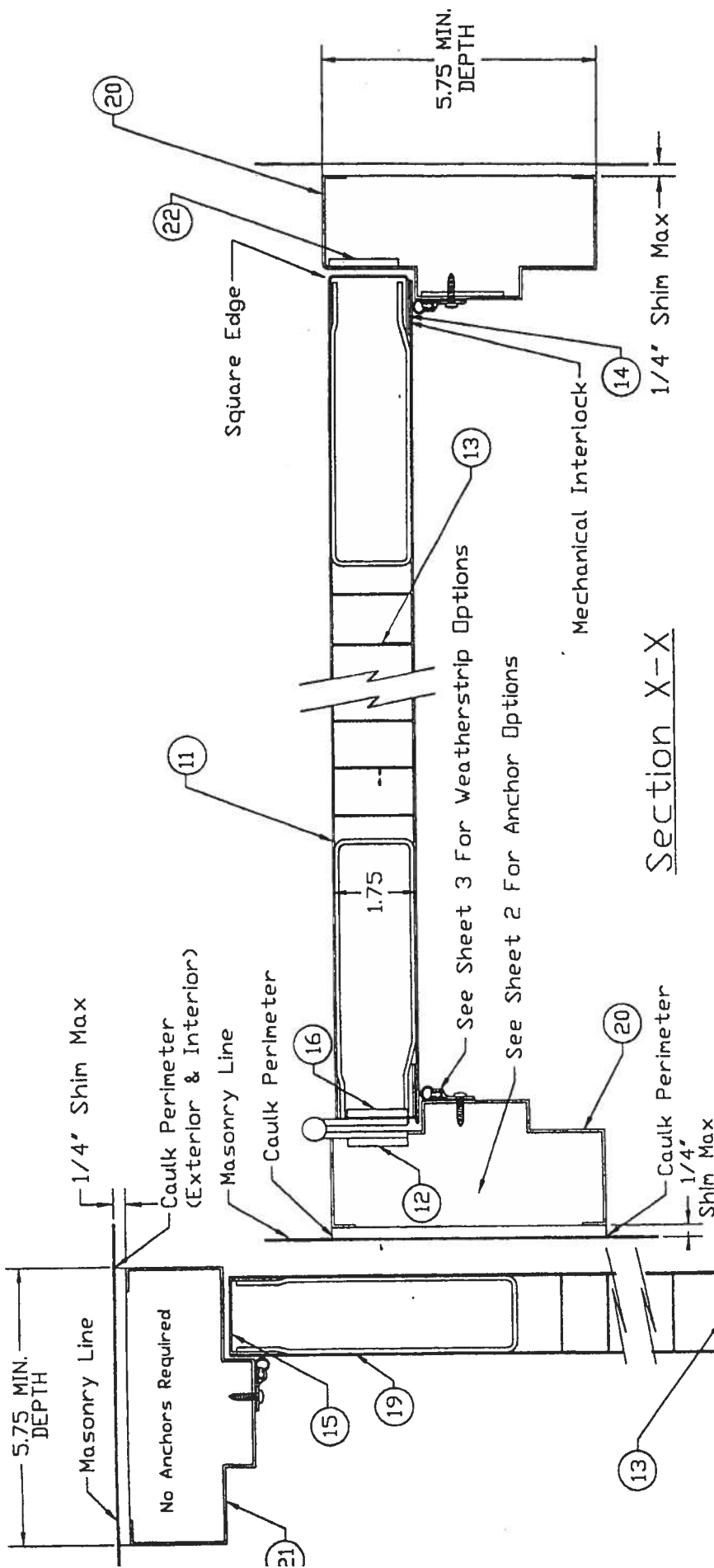
Note: See Sheet 7 For Bill Of Material

PRODUCT REVIEWED
as compliant with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 03/19/2008
D. Manuel
Miami Code Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 08/23/97
BY D. Manuel
FEDERAL CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

2/14/97	Revised Form, Transferred
JAR	Information from NDA
8	
7/22/97	Revised Sheet Number
GWS	

MATERIAL SPECIFICATIONS:	Cross Section View	
	Regent Door	
	CECO DOOR PRODUCTS Milan, Tennessee 38358	
ISSUE		REVISIONS
DRAWN BY: GWS		DATE: 5/30/97
DRAWING NUMBER: RD00087		Sheet 5 of 7



Section X-X

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: June 08/2000
 BY: [Signature]
 PRODUCT CONTROL DIV'S ON
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0315-03

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: [Signature]
 Miami-Dade Product Control
 Division

ISSUE		REVISIONS
DRAWN BY: GWS		DATE: 5/30/97
DRAWING NUMBER: RD00087		Sheet 6 of 7
MATERIAL SPECIFICATIONS:		Cross Section View
		Omega Door
		CECO DOOR PRODUCTS Milan, Tennessee 38358

2/21/00	Revised Format, Transferred Information from NDA
7/23/97	Revised Sheet Number

5.75 MIN. DEPTH

1/4" Shim Max

1.75

1.75

1/4" Shim Max

Concrete Slab

Section Y-Y

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES A53PD GRADE 2, LATCH LOCK, SINGLE LEVER DR KNOB OPERATED		
2	1	HARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES A053070 GRADE 2 LATCH LOCK, SINGLE LEVER DR KNOB OPERATED.		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PERKO #2005AV		
7	1	PERKO #181AV		
8	1 ROW	PERKO #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 EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE		
11	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=36,000 psi)	18 GAUGE (0.042" 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	DEXFLEX 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. (0.053" MIN)
16	3	DOOR HINGE REINFORCEMENT		1-1/4" X 9" X 7 GA.
17	1	DOOR LATCH REINFORCEMENT	28 GA. GALV. STEEL	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA. (0.093")
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS		
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (0.053" MIN) STEEL	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBIT PROFILE FACE SHEET, CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (0.053" MIN) STEEL	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.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE: Sept 08, 2000

BY: Maunul K. Jaleel

PRODUCT COMPL. DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 00-0311-03

2/21/00 Revised Format, Transferred Information from NCA

7/22/97 Revised Sheet Number

ISSUE

REVISIONS

DRAWN BY: GWS

DATE: 6/02/97

DRAWING NUMBER: RD00087

Sheet 7 of 7

PRODUCT REVIEWED

complying with the Florida Building Code

Acceptance No. 02-0411-01

Expiration Date 08/04/2008

By: Maunul K. Jaleel

For: Product Compliance

3-0 x 7-0 Series

Bill Of Materials

CECO DOOR PRODUCTS

Milwaukee, Tennessee 38358



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

IN SWING

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

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

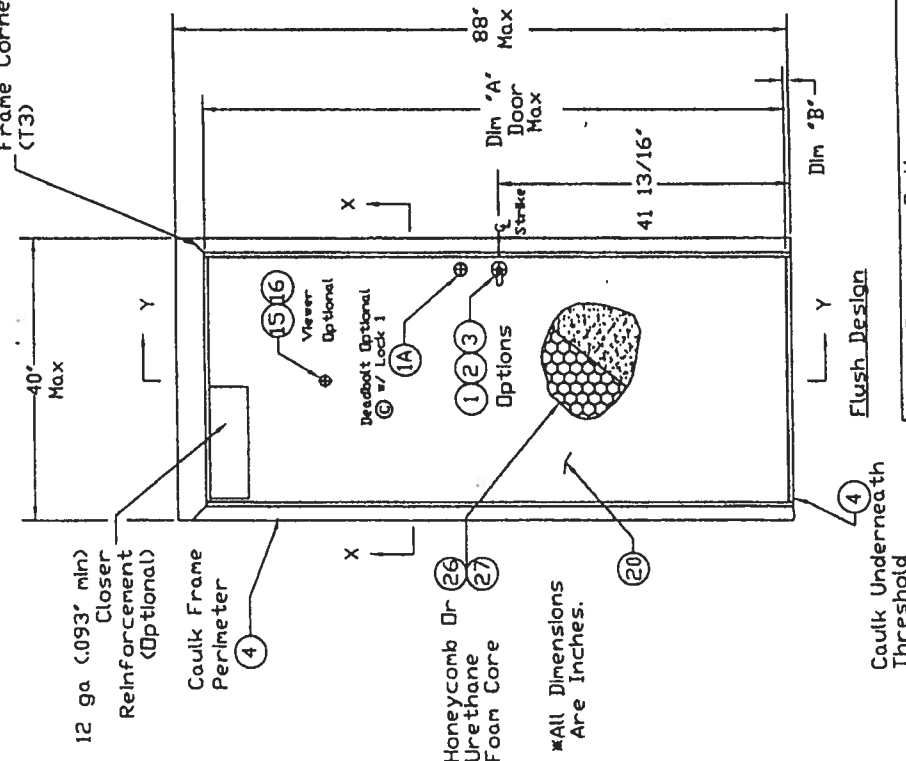
This NOA consists of this page 1 as well as approval document mentioned above.

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



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

Frame Corners Welded (T3)



12 ga (.093 min) Reinforcement Closer (Optional)

Caulk Frame Perimeter

Honeycomb Dr Urethane Foam Core

*All Dimensions Are Inches.

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, Door, October 31, 2002. NOAH 02-0807-04 Milan Door Products Company. By: [Signature]

Flush Design

Caulk Underneath Threshold

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

Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-8	Cross Section View
Sheet 9	Bill Of Material

Embossed Design

Caulk Underneath Threshold

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

Revised Per Marked-Up Drawings From LT	10/10/02
Revised Per Marked-Up Drawings From LT	8/28/02
Revised Per Marked-Up Drawings From LT	5/22/02

DATE: 5/22/02

DRAWN BY: LT

DRAWING NUMBER: RD0728

Sheet 1 of 9

Masonry 'I' Anchor

Min. 3500 PSI

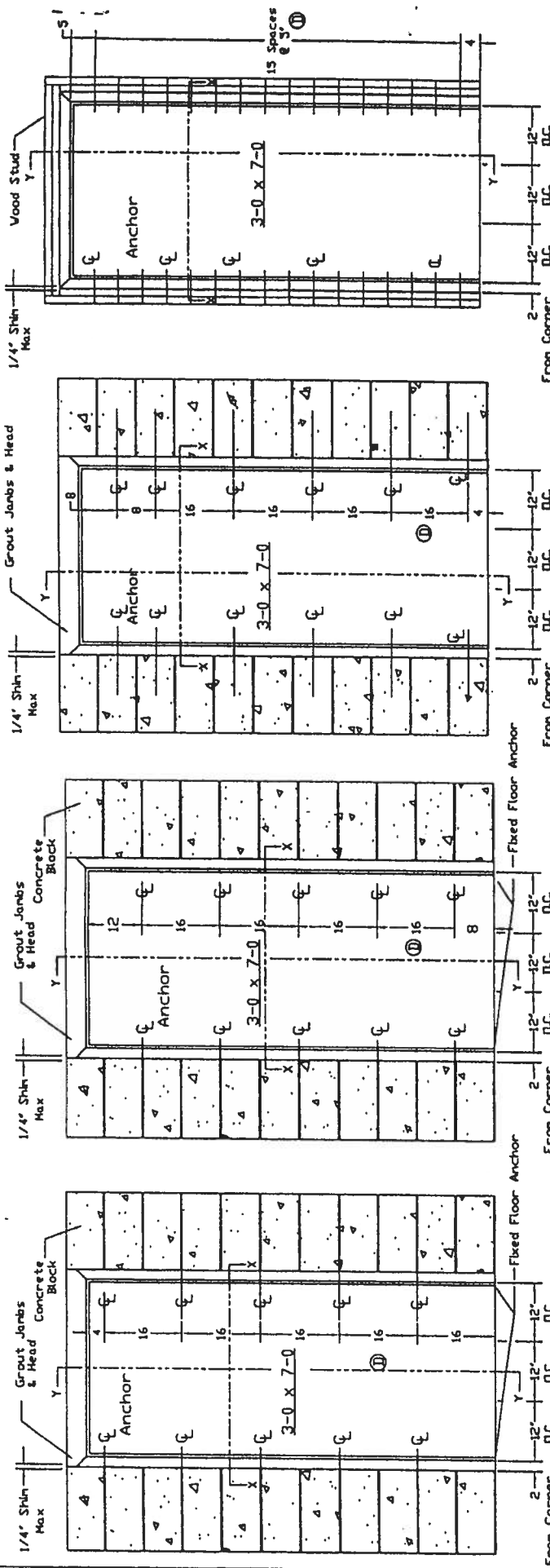
Masonry Wire Anchor

Min. 3500 PSI

Existing Opening V/Lockbolt or Sleeve Anchor Into Block

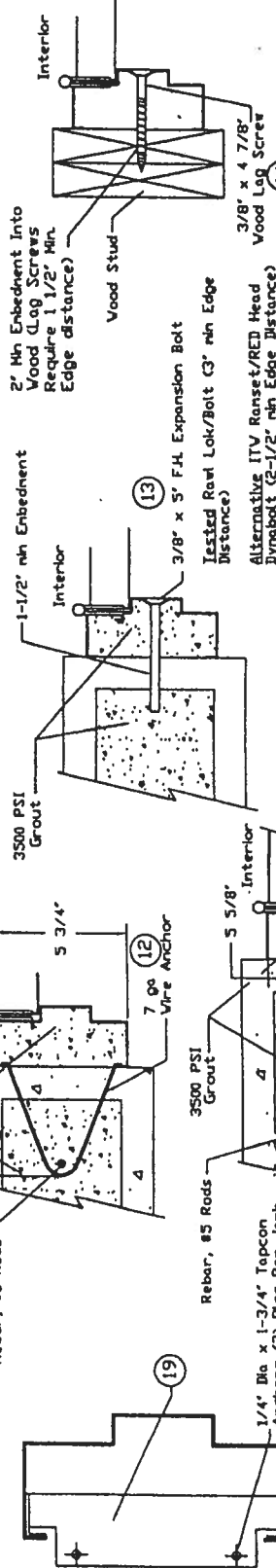
Min. 3500 PSI

Existing Opening Anchor Into Wood Stud



■ All Dimensions Are Inches

Installation Details
Hinge Jamb / Lock Jamb



Approved as complying with the
Florida Building Code
Date: OCT 31 2002
NOAH 02-0307-04
Miami Trade Product Control
By: [Signature]

A Revised Per Marked
Up Drawings From
LT Isma Chanda.

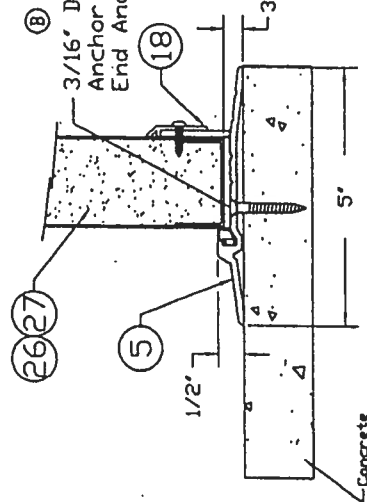
ISSUE
DRAWN BY: LT
DATE: 5/22/02
REVISIONS
DRAWING NUMBER: RD0728

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

Sheet 2 of 9

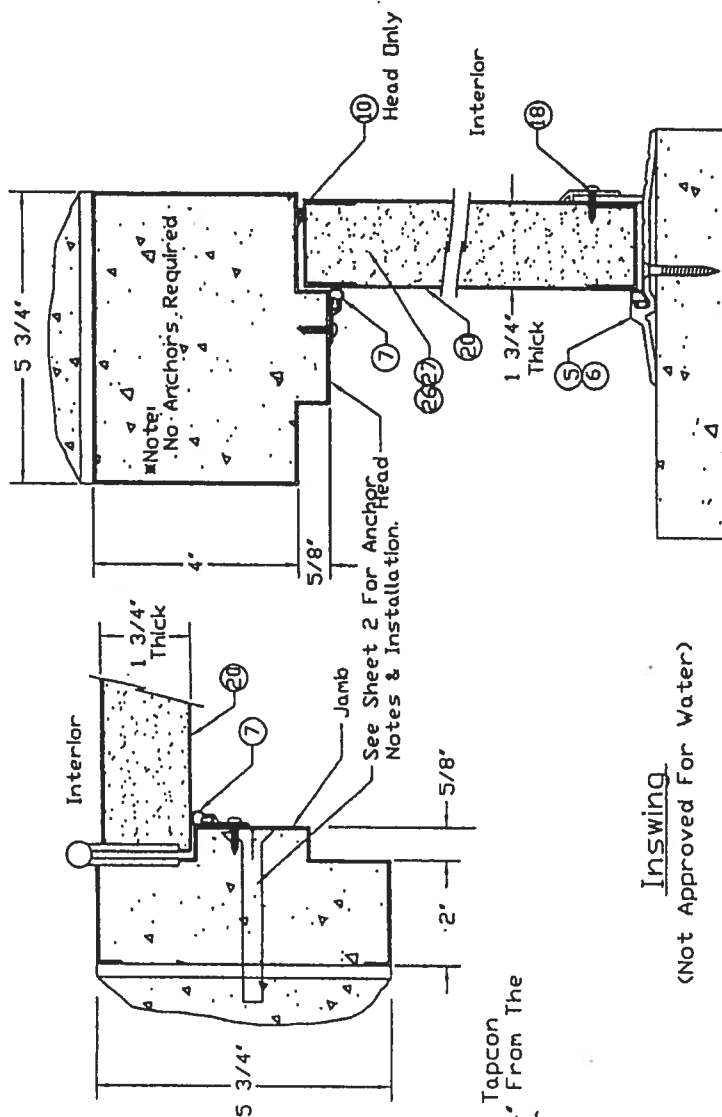
(B) 3/16" Dia x 1-3/4" F.H. Tapcon
Anchor Located 5-3/4" From The
End And 12" On Center



Threshold: Pemko 2005AV

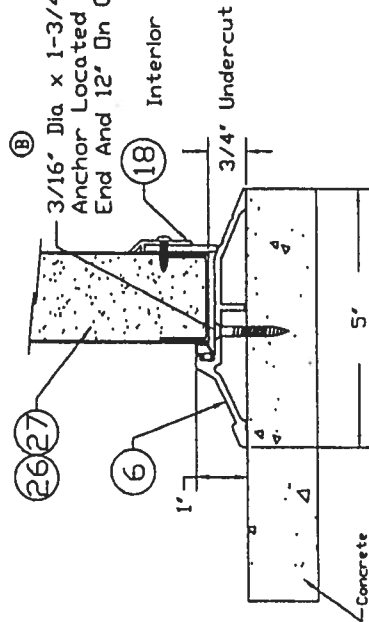
Note: Thresholds Not Approved For Water.

Inswing
(Not Approved For Water)



Section Y-Y

(B) 3/16" Dia x 1-3/4" F.H. Tapcon
Anchor Located 5-3/4" From The
End And 12" On Center



Threshold: Pemko 181AV

Approved as complying with the
Florida Building Code
Date OCT 31 2002
NOA# 02-080704
Miami Dept Product Control
Division
By Stacy L. Claude

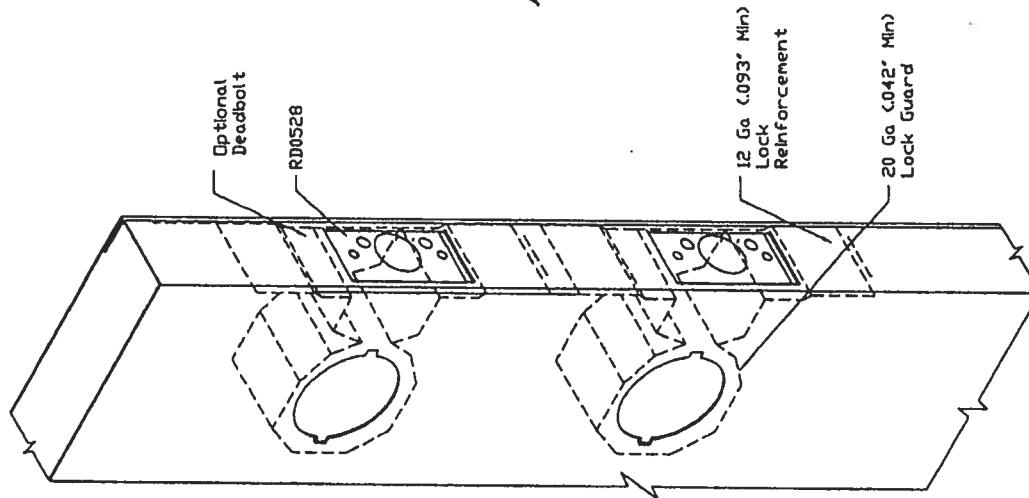
D Drawings Lr	Revised Per Marked-Up Drawings From Ishaq Chanda	C Drawings Lr	Revised Per Marked-Up Drawings From Ishaq Chanda
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LT	ISSUE	REVISIONS
	DRAWN BY:	DATE:
	LT	5/22/02

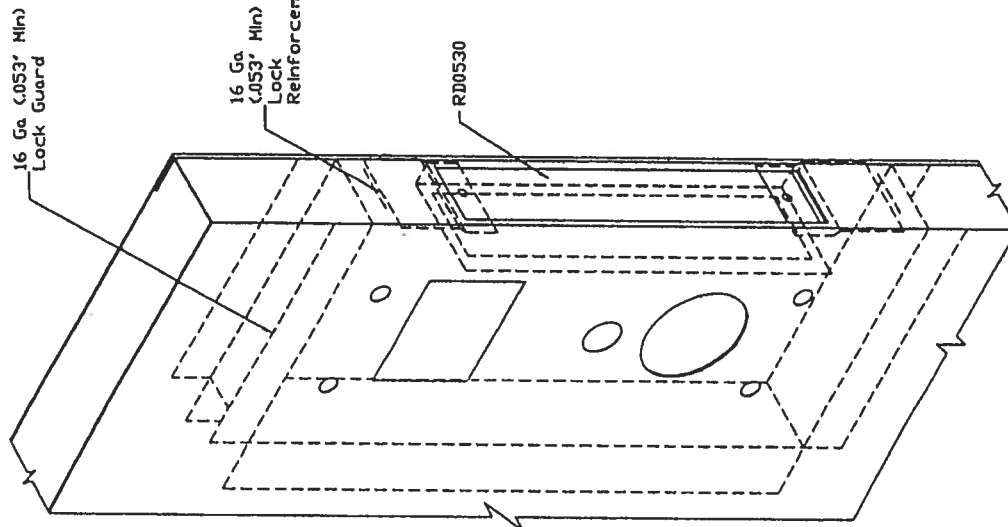
RD0728
Sheet 3 of 9

Threshold & Weatherstrip (Inswing Doors)

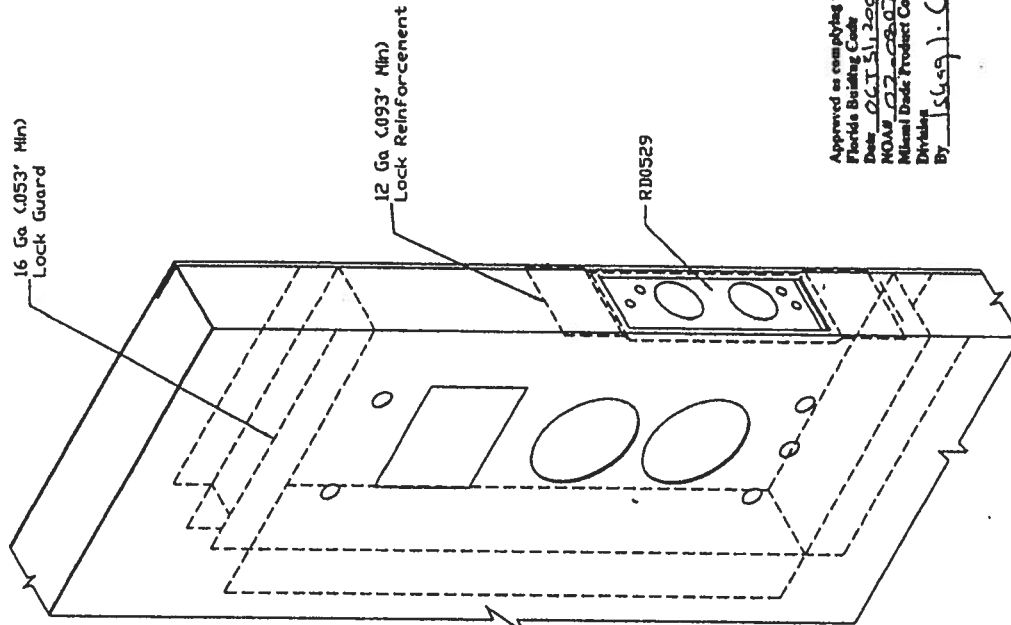
 **CECO DOOR PRODUCTS**
Milan, Tennessee 38358



Schlage AL53PD



Saflok MT



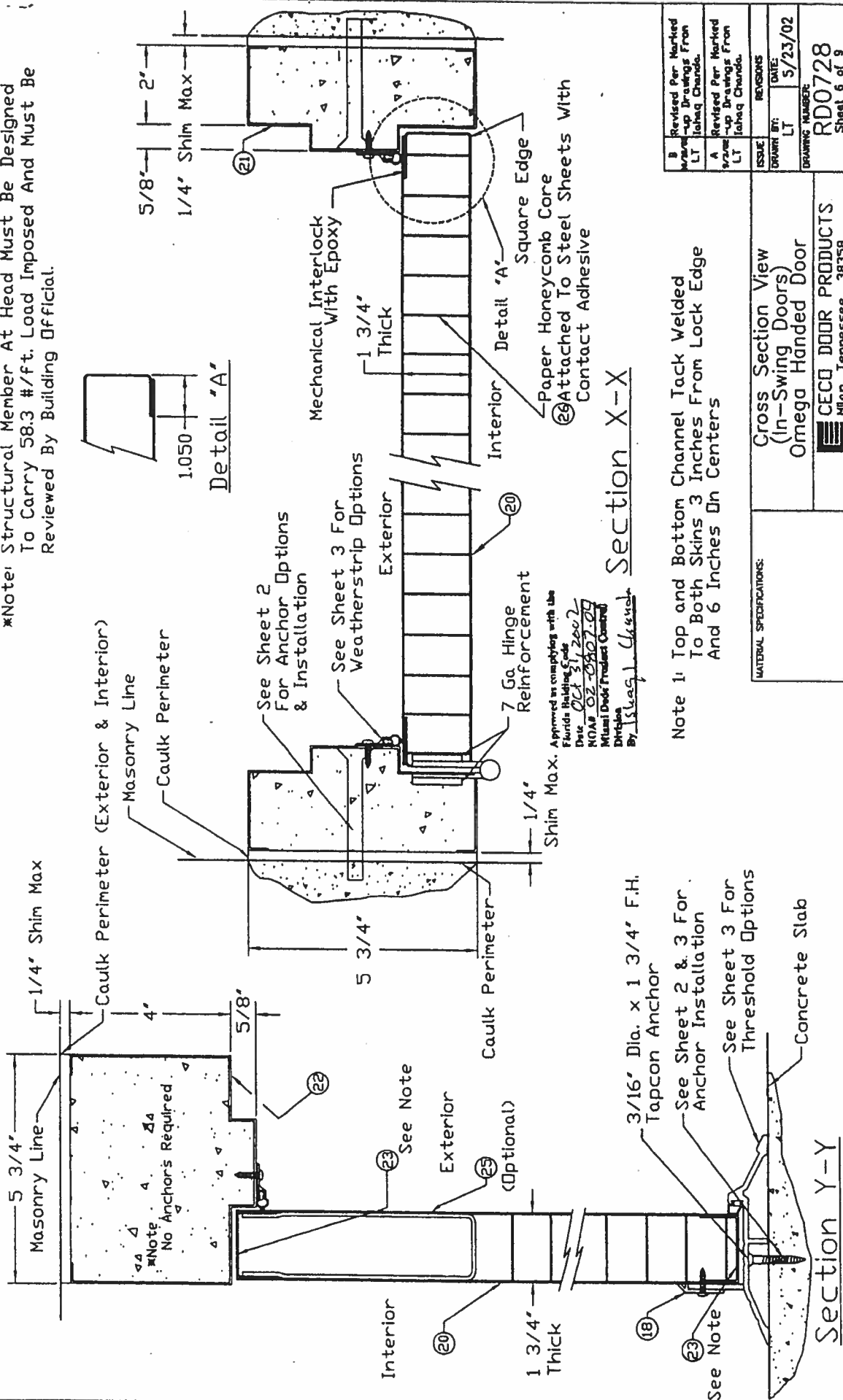
Saflok Premier SL2500

Approved as complying with the
Florida Building Code
Date 06/15/2002
MOAW 023-0807-01
Milan Door Product Control
Division
By J. Chaudh

A	9/29/02	Added RD0528, RD0529 & RD0530.	
		ISSUE	REVISIONS
LT	LT	DRAWN BY:	DATE:
			5/28/02
		DRAWING NUMBER:	
		RD0728	
		Sheet 4 of 9	

MATERIAL SPECIFICATIONS:	Lock Reinforcement (Inswing Doors)
	Regent, Omega, Imperial, Versadoor Reinforcement Details
CECO DOOR PRODUCTS	
Milan, Tennessee 38358	

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

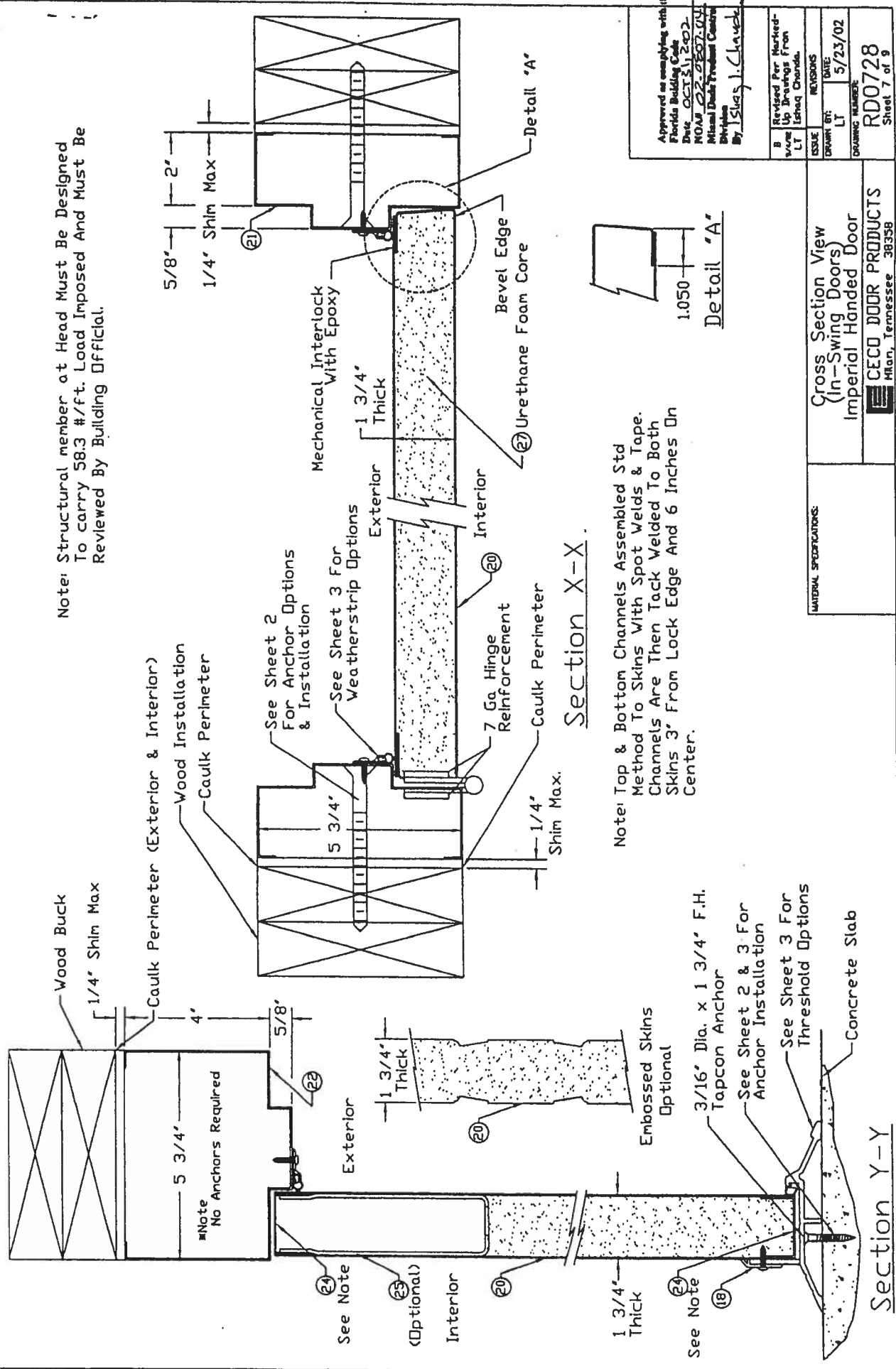


Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Omega Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358

REVISIONS
DATE: 5/23/02
DRAWING NUMBER: RD0728
Sheet 6 of 9



[illegible]

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.

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.

Approved as complying with the
Florida Building Code
Date Oct 21, 2002
NOM 22-2807-04
Miami Dade Product Control
Divisions
By 154051-Clayd-

3	Revised Per Marked- up Drawings From Ishaq Chando.
LT	REVISIONS
ISSUE	
DESIGN BY:	DATE: 5/23/02
LT	
DRAWING NUMBER: RD0728 Sheet 8 of 9	

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

Section Y-Y

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	ALS3PD
1A	Deadbolt (Optional) ①	Schlage	B100
2	Dr Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Dr Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Penko	2005AV36
6	Dr	Penko	181AV36
7	Weatherstrip	Penko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Dr (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Penko	S88
11	Frame Anchor	Masany Tee (RD0057)	16 ga (.053' min) Galv Steel Fymin = 30ksi
12	Dr	Wire, Relaxed Dimension 9' x 8'	#7 (.167' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Dr	Expansion Bolt	3/8" x 5' F.H. Rawl Lok/Bolt Or 3/8" x 5' F.H. Ramset/RED Head
14	Dr	Wood Lag Screw	3/8" x 4-5/8"
15	Viewer	Hager	1755
16	Dr	MAG Security	8724-C
17	Drip Cap Top	Penko	346
18	Sweep	Penko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	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	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	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
24	Glued To Top Skin) Tack Welded To Both Door Channels) Spot Welded To Bottom Skin	16 Ga (.053' min) A60 Galv Conforming To ASTM A653	16 ga (.053' min) x 1' x 1-3/4' x 1'
25	Taped To Top Skin) Tack Welded To Both Closer Reinforcement (Optional)	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	12 ga (.093' min) CS Type B
26	Honeycomb Core	Non-Imregnated Kraft Paper ⑥	1.2' Nominal Cell Size
27	Urethane Core	Foam Enterprises	2 lb/ft ³ Density

Approved as complying with the
Florida Building Code
Date Oct 31, 2002
NOAH 02-0807-07
Miami Dade Product Control
Division
By LS/eq J. C. G. n. L.

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

MATERIAL SPECIFICATIONS:		3-0 x 7-0 Series	
In-Swing Bill Of Materials		RD0728	
CECO DOOR PRODUCTS Milan, Tennessee 38358		Sheet 9 of 9	

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