



**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)

**Therma-Tru Corporation
1687 Woodlands Drive
Maumee. OH 43537**

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 "Benchmark" Opaque Inswing Residential Insulated Steel Doors w/Adjusta-Fit Steel Frame

APPROVAL DOCUMENT: Drawing No. S-2012, titled "Landmark Opaque Inswing Steel Door w/Adjusta-Fit Steel Frame", sheets 1 through 5 of 5, prepared by the Rick Wright Building Consulting, Inc., dated 2/28/00 with revision on 3/28/00, 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 # 99-1028.10** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime Eisen, P.E.**



**NOA No 03-0109.06
Expiration Date: April 21, 2008
Approval Date: February 20, 2003
Page 1**

Therma-Tru Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **S-2012**, titled "Landmark Opaque Inswing Steel Door w/Adjusta-Fit Steel Frame", sheets 1 through 5 of 5, prepared by the Rick Wright Building Consulting, Inc., dated 2/28/00 with revision on 3/28/00.

B. TESTS

Submitted under NOA#99-1028.10

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of outswing and inswing steel edge opaque residential insulated steel pairs of doors, prepared by Certified Testing Laboratories, Test Report No. **CTLA-469W**, dated February 16, 2000, signed and sealed by Ramesh C. Patel, P.E.

C. CALCULATIONS

Submitted under NOA#99-1028.10

1. Anchor Calculations and structural analysis, dated November 1, 1999 prepared, signed and sealed by Mark Fetherman, P.E.

D. MATERIAL CERTIFICATIONS

Submitted under NOA#99-1028.10

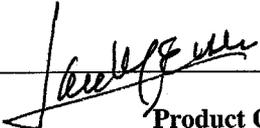
1. Tensile Test prepared by Certified Testing Laboratories, Project No. **CTLA-469W**, dated October 26, 1999, for steel samples referenced DADE 990044, tested per ASTM E8/A370 or B557, signed and sealed by Ramesh C. Patel, P.E.
2. Test report # WHI-495-0920, issued to General Products Company, Inc. for "Two single swing 3' 0" x 7' 0" door and frame assemblies" ASTM E-152, dated August 28, 1988.

E. STATEMENTS

1. Statement letter of no change, prepared by R.W. Building Consultants, Inc., dated 12/22/02.

F. OTHER

1. Notice of Acceptance No. **99-1220.04**, General Products, Co., Inc., Series "Landmark" Opaque Inswing Residential Insulated Steel Doors w/Sidelites, approved on 6/15/00 and expiring on 6/15/03.


Jaime Eisen, P.E.
Product Control Examiner
NOA No 03-0109.06
Expiration Date: April 21, 2008
Approval Date: February 20, 2003

BENCHMARK

INSWING OPAQUE STEEL DOOR W/ADJUSTA-STEEL FRAME

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS NOT REQUIRED.
5. THIS SYSTEM WAS TESTED FOR 2.86 LBS. WATER PRESSURE AS PER ASTM-E331.
6. THIS SYSTEM DOES NOT MEET THE WATER REQUIREMENTS IN MIAMI-DADE COUNTY.

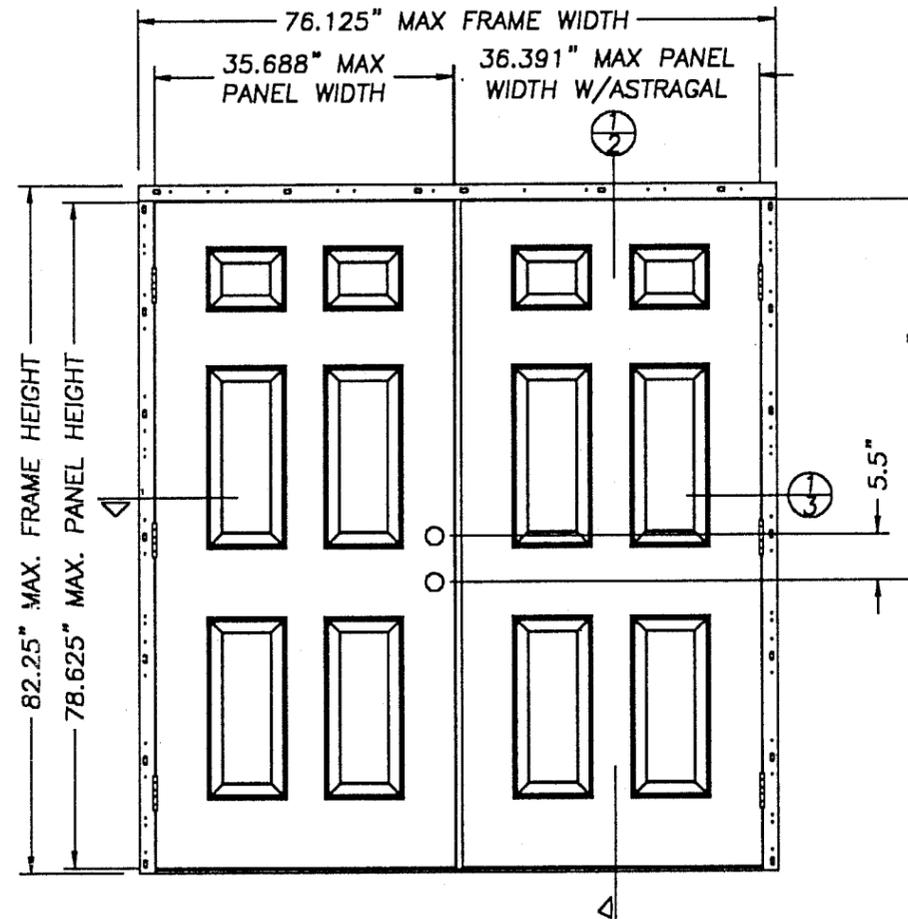
DOOR SYSTEM CONSTRUCTION:

DOOR PANEL

- A. FACE SHEETS: 24 GA. (.025") MINIMUM THICKNESS, GALVANIZED STEEL A-525 COMMERCIAL QUALITY - AKOQ PER ASTM 620 WITH YIELD STRENGTH FY (MIN.) = 27,000psi
- B. CORE DESIGN: POLYURETHANE FOAM (CARPENTER CHEMICAL WITH 2.15 LBS. DENSITY) CORE LAMINATED TO INSIDE FACES.
- C. CONSTRUCTION: THE VERTICAL STYLES ARE EXTENSIONS OF THE SKIN, ROLL FORMED TO A MECHANICAL INTERLOCK, HORIZONTAL EDGES ARE WELDED TOGETHER AT TWO PLACES EACH

STEEL FRAME

- A. BASE FRAME MATERIAL: 16GA. (.054" MIN. THK.)
- B. CLOSURE FRAME MATERIAL: 20GA. (.033" MIN. THK.)
- C. THE FRAMES ARE ROLL FORMED AND PRESS BROKE WITH TABS AND SLOTS ON THE HEADERS TO FORM A LOCK.



TYPICAL OPAQUE ELEVATION
VIEWED FROM INTERIOR SIDE

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	GENERAL NOTES AND ELEVATION
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTION & DOOR MODELS
4	ANCHOR LAYOUT
5	FRAME COMPONENTS & BILL OF MATERIAL

DESIGN PRESSURE RATING

WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	
POSITIVE	+ 60.0 PSF
NEGATIVE	- 60.0 PSF

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0109.06
Expiration Date 04/21/08
By *[Signature]*
Miami-DADE Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2000*
BY *Manuel Ferraz*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1028.10

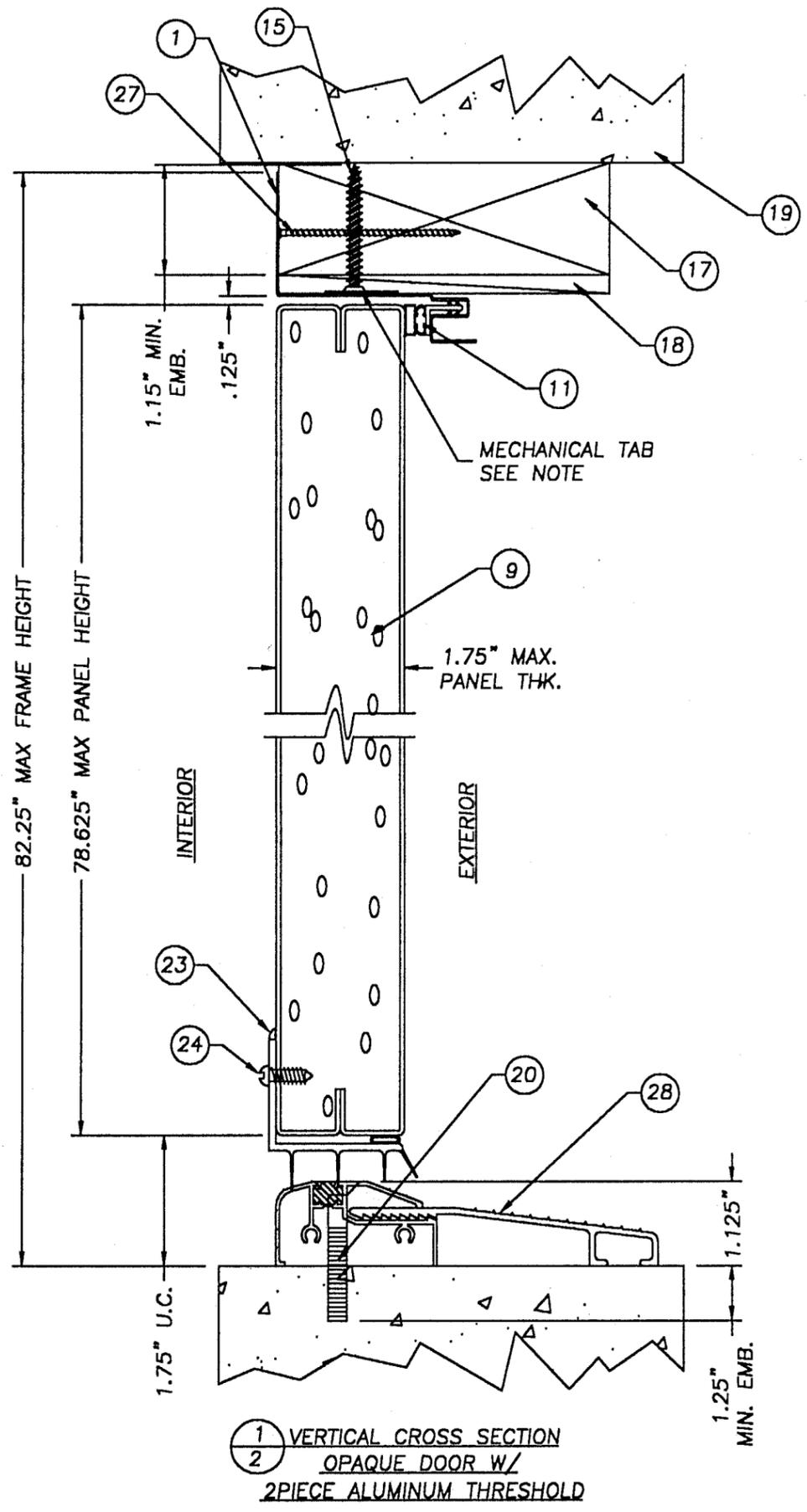
DATE: 2/28/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2012
SHEET 1 OF 5

GENERAL PRODUCTS CO. INC.
P.O. BOX 7387
FREDERICKSBURG, VA 22404
PH. (540) 898-5700

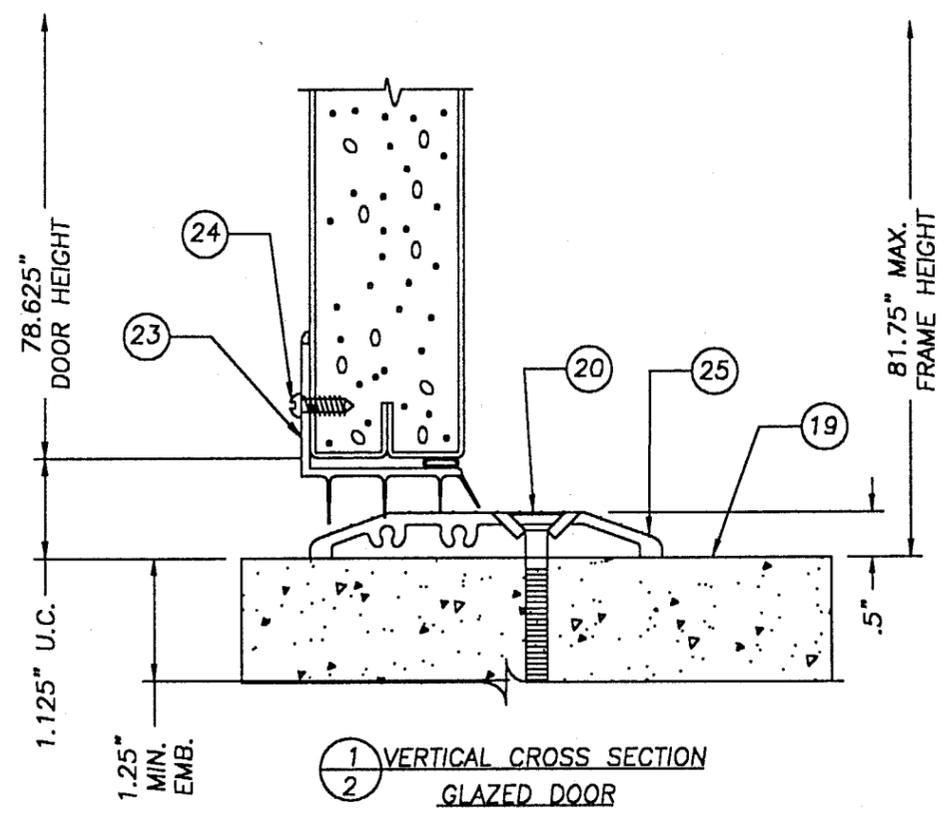


PRODUCT:		PART OR ASSEMBLY:		ELEVATION & GENERAL NOTES	
BENCHMARK OPAQUE INSWING STEEL DOOR W/ ADJUSTA-STEEL FRAME					
				TJH	BY
				GENERAL	
		3/28/00		DATE	
					REVISIONS

RW BUILDING
CONSULTANTS, INC.
813.684.3831



1 VERTICAL CROSS SECTION
2 OPAQUE DOOR W/
2PIECE ALUMINUM THRESHOLD



1 VERTICAL CROSS SECTION
2 GLAZED DOOR
1PIECE BARRIER FREE THRESHOLD
(SEE GENERAL NOTES NO. 5 & 6 SHEET 1)

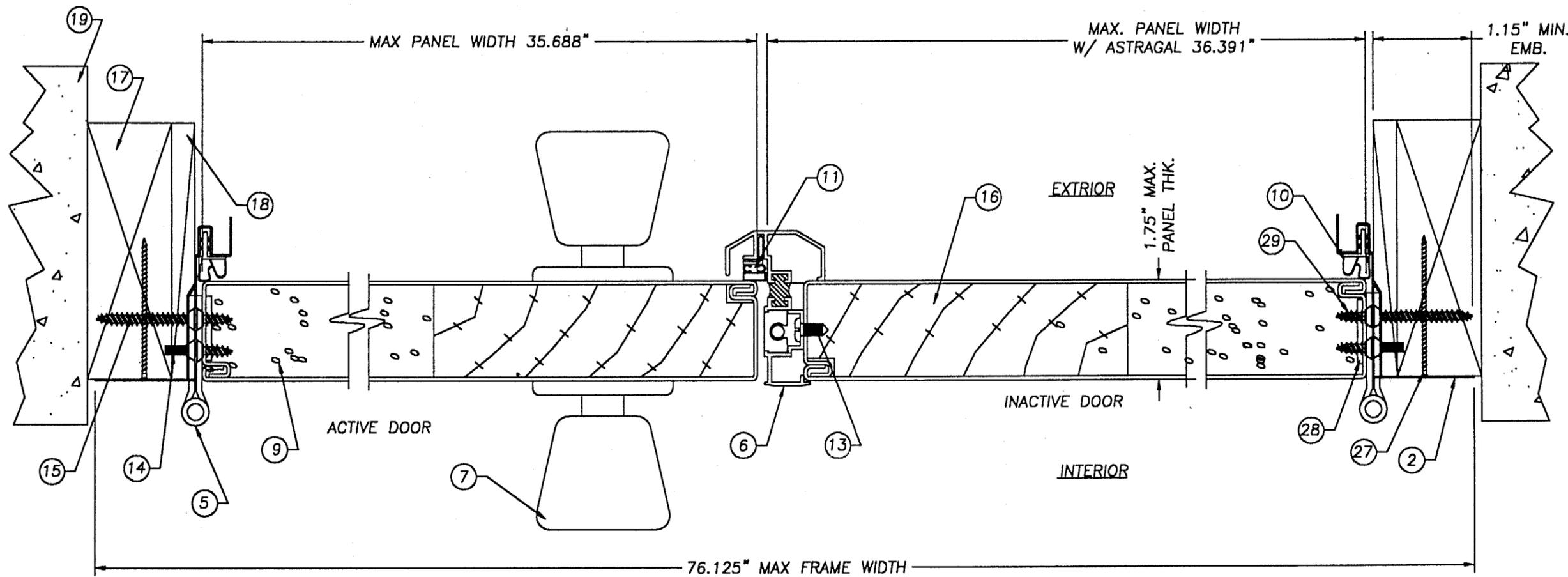
NOTE:
TAB FROM BASE JAMB IS INSERTED INTO THE
SLOT OF THE BASE HEADER AND BENT OVER TO
FORM A MECHANICAL LOCK.

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <u>03-0109.06</u> Expiration Date <u>04/21/08</u> By <u>[Signature]</u> Miami Division Division	APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>April 21, 2008</u> BY <u>[Signature]</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>99-1028.10</u>	DATE: <u>2/28/00</u> SCALE: <u>N.T.S.</u> DWG. BY: <u>TJH</u> CHK. BY: <u>RW</u> DRAWING NO.: <u>S-2012</u> SHEET <u>2</u> OF <u>5</u>
	GENERAL PRODUCTS CO. INC. P.O. BOX 7387 FREDERICKSBURG, VA 22404 PH. (540) 898-5700	

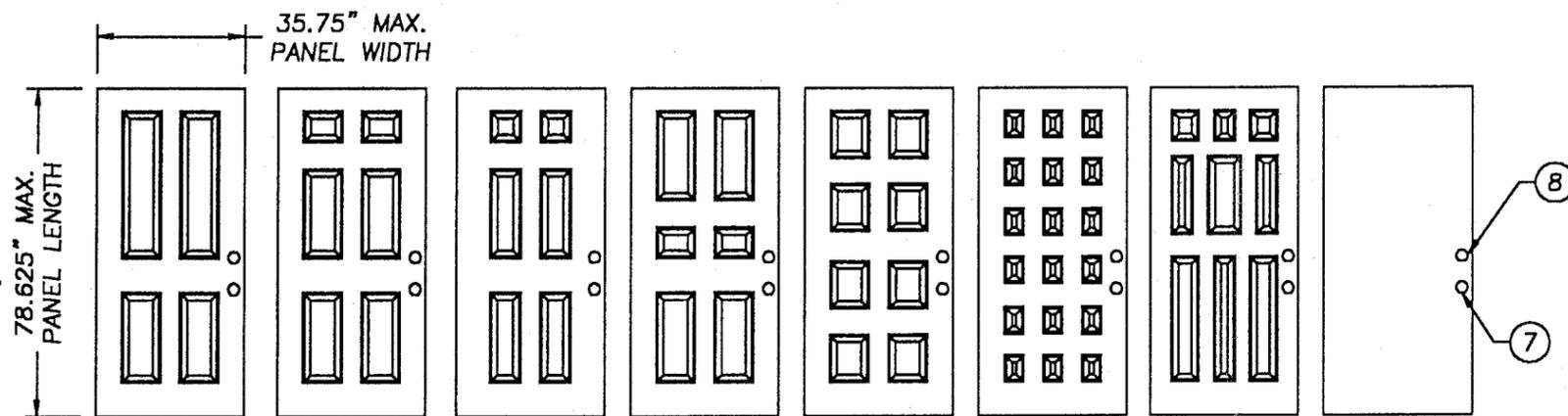
PRODUCT:
BENCHMARK OPAQUE
INSWING STEEL DOOR W/
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	GENERAL	TJH	BY
1	3/28/00	GENERAL	TJH	BY

RW BUILDING
CONSULTANTS, INC.
813.684.3831



1 HORIZONTAL CROSS SECTION
3 OPAQUE DOOR



OPAQUE DOOR MODELS

GENERAL PRODUCTS CO. INC.
P.O. BOX 7387
FREDERICKSBURG, VA 22404
PH. (540) 898-5700



PRODUCT: BENCHMARK OPAQUE
INSWING STEEL DOOR W/
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS & DOOR MODELS

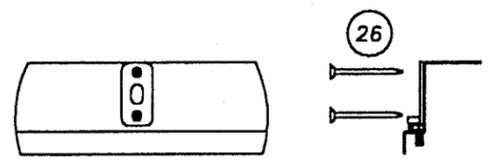
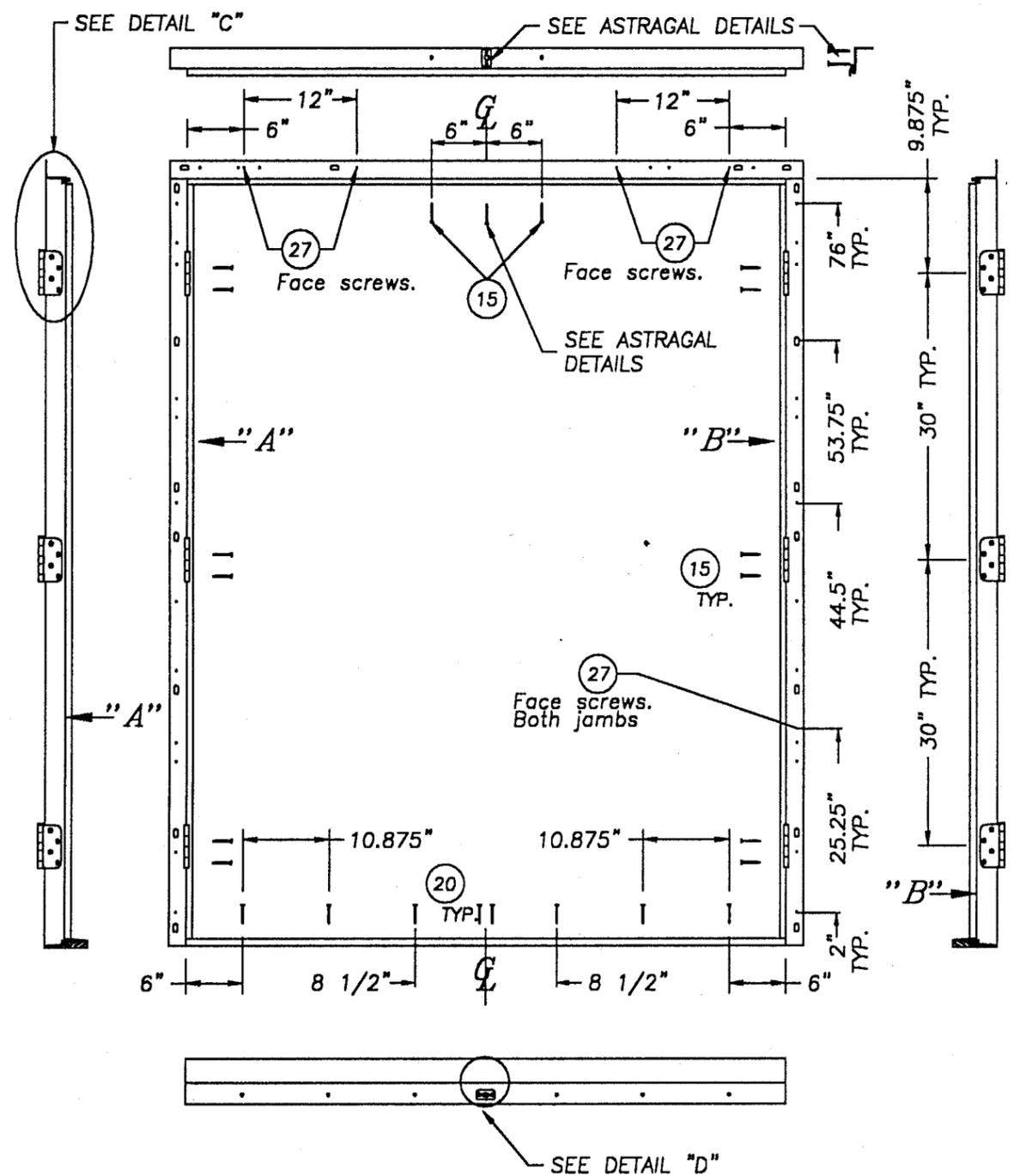
NO.	DATE	GENERAL	TJH	BY
1	3/28/00	GENERAL	TJH	BY
				REVISIONS

RW BUILDING
CONSULTANTS, INC.
813.684.3831

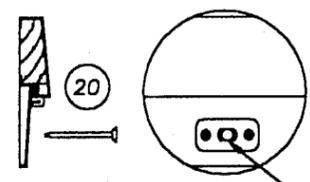
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0109.06
Expiration Date 04/21/08
By *[Signature]*
Miami Division Product Control

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE April 21, 2000
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1028-10

DATE: 2/25/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2012
SHEET 3 of 5

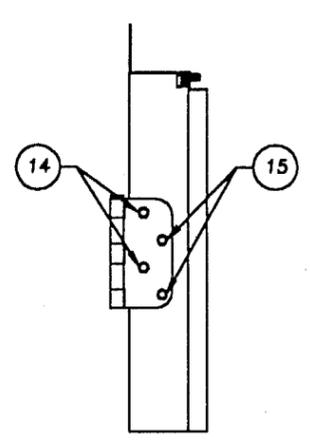


ASTRAGAL DETAILS
 ATTACH ASTRAGAL THROW BOLT
 STRIKE PLATE TO FRAME
 AS SHOWN.

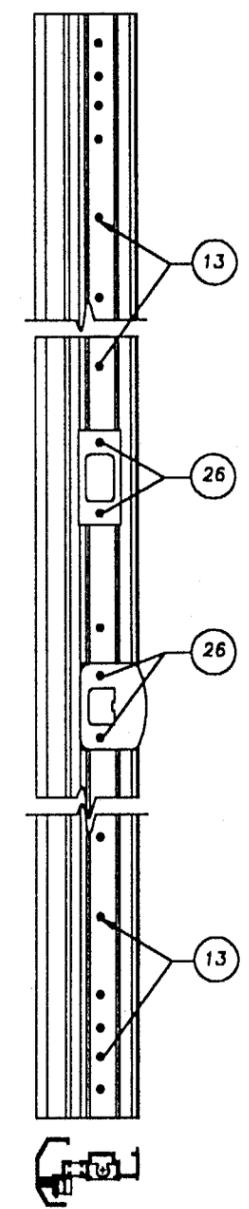


DETAIL "D"
 ATTACH ASTRAGAL THROW BOLT
 STRIKE PLATE TO THRESHOLD
 AS SHOWN.

Ø.375" FOR
 ASTRAGAL BOLT



DETAIL "C"
 TYP. HINGE DETAIL



GENERAL PRODUCTS CO. INC.
 P.O. BOX 7387
 FREDERICKSBURG, VA 22404
 PH. (540) 898-5700



PRODUCT: BENCHMARK OPAQUE
 INSWING STEEL DOOR W/
 ADJUSTA-STEEL FRAME
 PART OR ASSEMBLY:
 ANCHORING LAYOUT

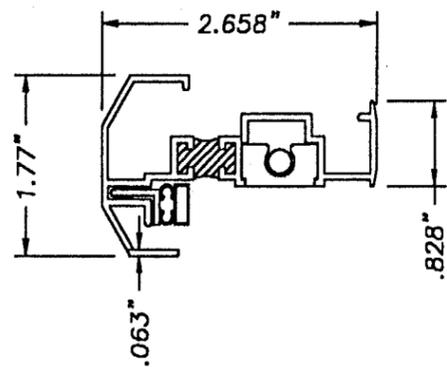
NO.	DATE	GENERAL	TJH	BY
1	3/28/00	GENERAL	TJH	BY

RW BUILDING
 CONSULTANTS, INC.
 813.684.3831

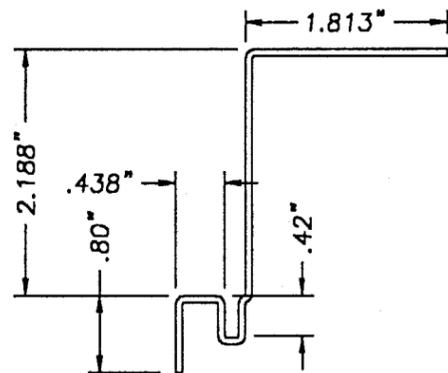
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 03-0109.06
 Expiration Date 04/21/08
 By [Signature]
 Miami Building Control
 Division

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 DATE April 21, 2000
 BY [Signature]
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 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-1028.10

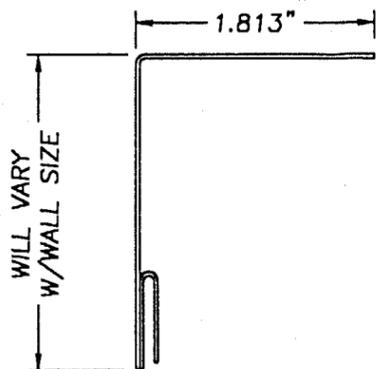
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 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.:
S-2012
 SHEET 4 OF 5



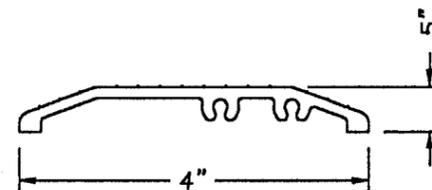
TEE ASTRAGAL



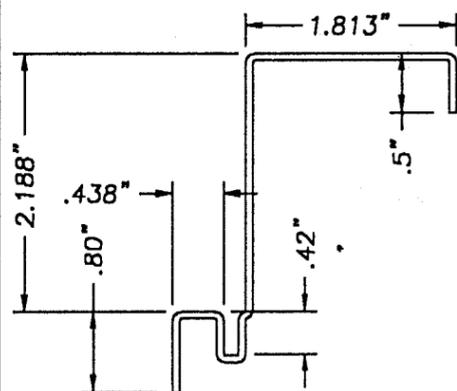
ADJUSTA-STEEL BASE FRAME
W/FLAT FACE
16GA. (.054\"/>



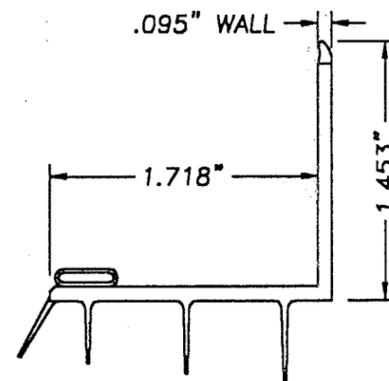
ADJUSTA-STEEL CLOSURE FRAME
W/FLAT FACE
20GA. (.033\"/>



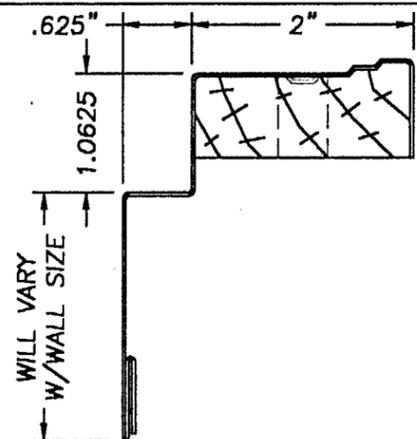
BARRIER FREE THRESHOLD



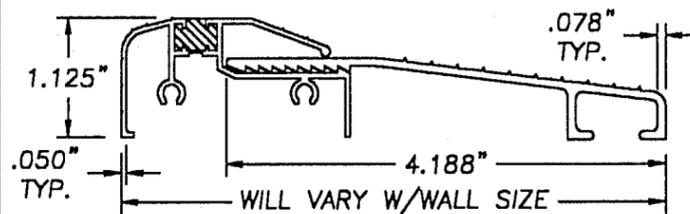
ADJUSTA-STEEL BASE FRAME
W/1/2\"/>



VINYL ADJUSTABLE SWEEP



ADJUSTA-STEEL CLOSURE FRAME
W/FORMED BRICK MOLD
20GA. (.033\"/>



2PIECE INSWING ALL
ALUMINUM THRESHOLD

ITEM	DESCRIPTION	MATERIAL
1	STEEL BASE HEADER (16GA. .054\"/>	
2	STEEL HINGE JAMB (16GA. .054\"/>	
3	STEEL CLOSURE HEADER (20GA. .033\"/>	
4	STEEL CLOSURE JAMB (20GA. .033\"/>	
5	BENCHMARK 4\"/>	
6	T-ASTRAGAL (.063\"/>	
7	KWIKSET 200 DL PASSAGE	-
8	KWIKSET 660 DEADBOLT	-
9	POLYURETHANE FOAM CARPENTER CHEM. 2.15 lbs DENSITY	-
10	COMPRESSION WEATHER STRIPPING	FOAM
11	MAGNETIC WEATHER STRIPPING	VINYL
12	COMPRESSION WEATHER STRIPPING Q-LON QDS 650	FOAM
13	#12 x 1/2\"/>	
14	10-24 x 3/8\"/>	
15	#10 x 1 3/4\"/>	
16	LATCH & DEADBOLT WOOD BLOCK	WOOD
17	2X WOOD (BUCK)	WOOD
18	1/4\"/>	
19	MASONRY WALL	-
20	3/16\"/>	
21	STEEL HINGE REINFORCEMENT .050\"/>	
22	#10 x 5/8\"/>	
23	ADJUSTABLE SWEEP	VINYL
24	#8 x 1/2\"/>	
25	1PIECE BARRIER FREE THRESHOLD	ALUMINUM
26	#8 x 2 1/2\"/>	
27	#6 x 2 1/2\"/>	
28	2PIECE ALL ALUMINUM INSWING THRESHOLD	ALUMINUM

GENERAL PRODUCTS CO. INC.
P.O. BOX 7387
FREDERICKSBURG, VA. 22404
PH. (540) 898-5700



PRODUCT:
BENCHMARK OPAQUE
INSWING STEEL DOOR W/
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY:
FRAME COMPONENTS

NO.	DATE	BY	REVISIONS
1	3/28/00	TJH	GENERAL

RW BUILDING
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PRODUCT RENEWED
as complying with the Florida
Building Code
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Expiration Date 04/21/08
By: *[Signature]*
Miami Product Control
Divist:

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2000*
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1028.10*

DATE: 2/28/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2012
SHEET 5 OF 5