



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

General Products, Co., Inc.
P.O. Box 7387
Fredericksburg VA 22408

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Benchmark Outswing Glazed Res. Insulated Steel Door w/Adjusta-Fit Steel Frame

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 99-1028.04

Expires: 04/21/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 04/21/2000

1 of 3



General Products Co., Inc.

ACCEPTANCE No.: 99-1028.04

APPROVED : APR 21 2000

EXPIRES : APR 21 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves a residential insulated steel door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series "Benchmark" Outswing Glazed Residential Insulated Steel Door w/Adjusta-fit Steel Frame and its components shall be constructed in strict compliance with the following documents: Drawing No S-2006, titled "Benchmark Glazed Outswing Steel Door W/Adjusta-Fit Steel Frame" Sheets 1 through 5 of 5 dated 2/25/00, w/revision 1 dated 3/28/00, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors only, as shown in approved drawings.
3.2 Unit with "Barrier Free" threshold shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

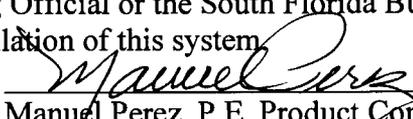
4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

General Products Co., Inc.

ACCEPTANCE No.: 99-1028.04

APPROVED : APR 21 2000

EXPIRES : APR 21 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.



Manuel Perez, P.E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

BENCHMARK

OUTSWING GLAZED 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 ARE REQUIRED.
5. THE BARRIER FREE THRESHOLD SYSTEM DOES NOT MEET THE WATER REQUIREMENTS IN MIAMI-DADE COUNTY. THIS SYSTEM WAS TESTED FOR 2.86 lbs. OF WATER PRESSURE AS PER ASTM E331.

DOOR SYSTEM CONSTRUCTION:

DOOR PANEL

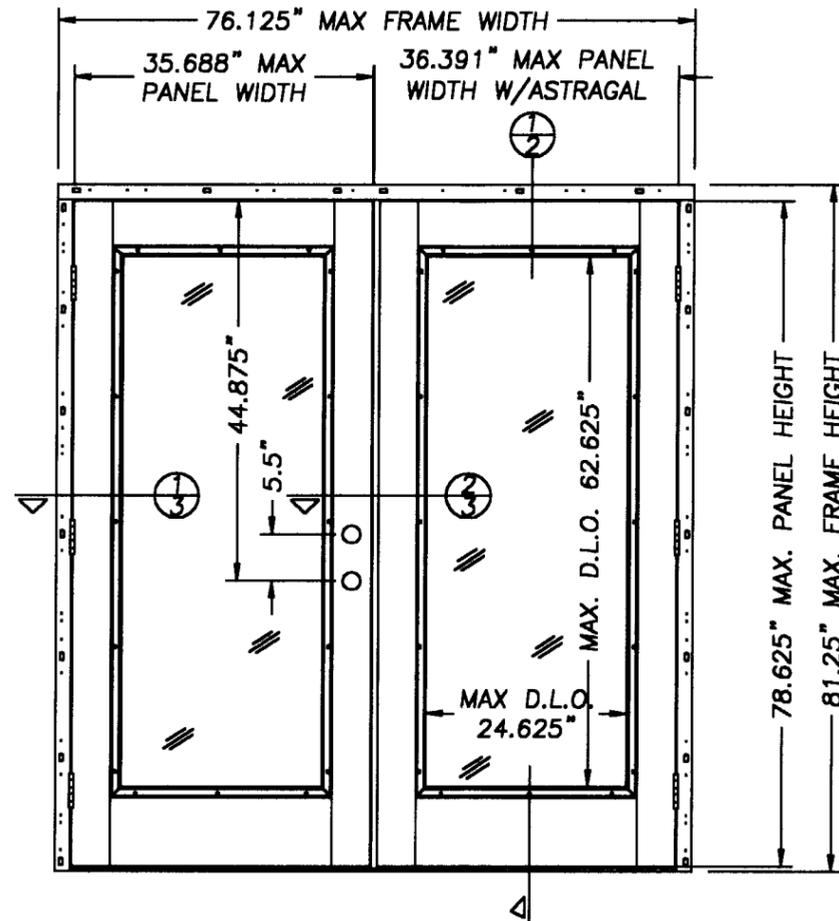
- A. FACE SHEETS: 24 GA. (.025") MINIMUM THICKNESS, GALVANIZED STEEL A-525 COMMERCIAL QUALITY - AKOQ PER ASTM 620 WITH YIELD STRENGTH FY (MIN.) = 27,000psi
- B. CORE DESIGN: POLYURETHANE FOAM (CARPENTER CHEMICAL WITH 2.15 LBS. DENSITY) CORE LAMINATED TO INSIDE FACES.
- C. CONSTRUCTION: THE VERTICAL STYLES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

STEEL FRAME

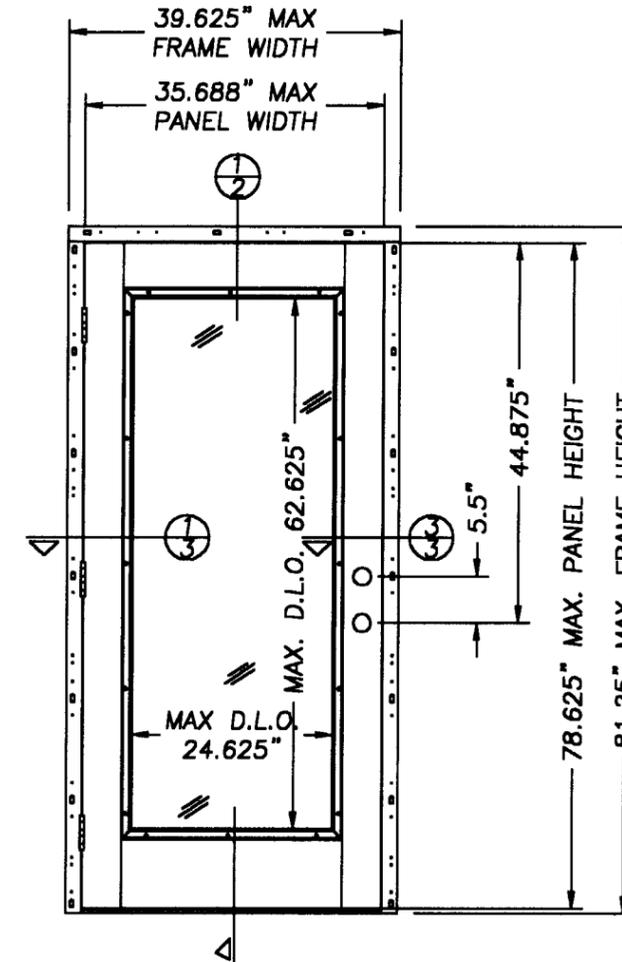
- A. BASE FRAME MATERIAL: 16GA. (.054" MIN. THK.)
- B. CLOSURE FRAME MATERIAL: 20GA. (.033" MIN. THK.)
- C. THE FRAMES ARE ROLL FORMED AND PRESS BROKE WITH TABS AND SLOTS ON THE HEADERS TO FORM A LOCK.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	GENERAL NOTES AND ELEVATIONS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
4	ANCHOR LAYOUTS & DOOR MODELS
5	FRAME COMPONENTS & BILL OF MATERIAL



DOUBLE GLAZED DOOR ELEVATION
VIEWED FROM EXTERIOR SIDE



SINGLE GLAZED DOOR ELEVATION
VIEWED FROM EXTERIOR SIDE

DESIGN PRESSURE RATING

	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED
POSITIVE	+ 60.0 PSF
NEGATIVE	- 60.0 PSF

BARRIER FREE THRESHOLD DOES NOT MEET WATER INFILTRATION REQUIREMENTS FOR MIAMI-DADE COUNTY.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: *April 21, 2000*
BY: *Manuel*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1028.04*

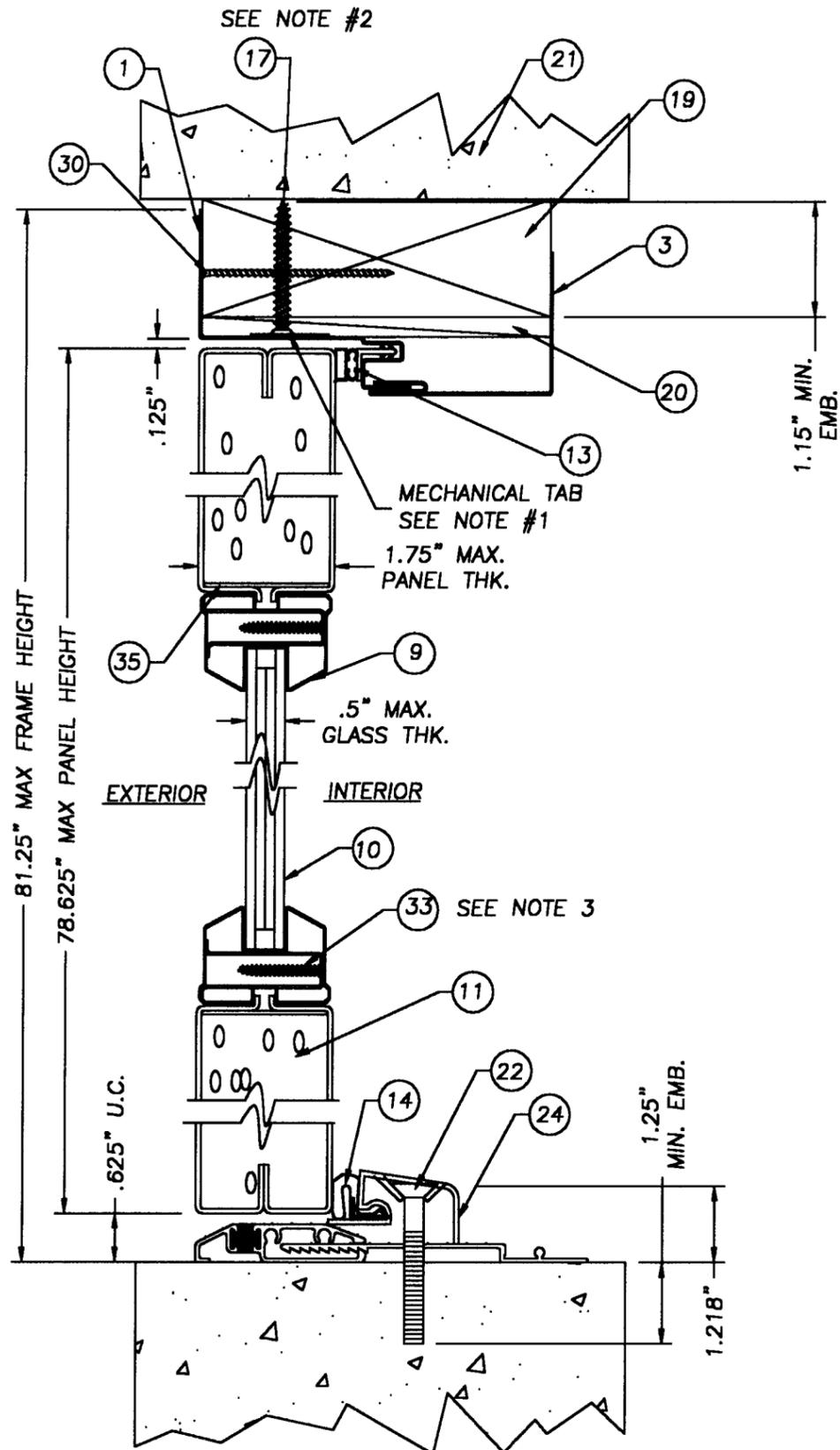
DATE: 2/25/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2006
SHEET 1 OF 5

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

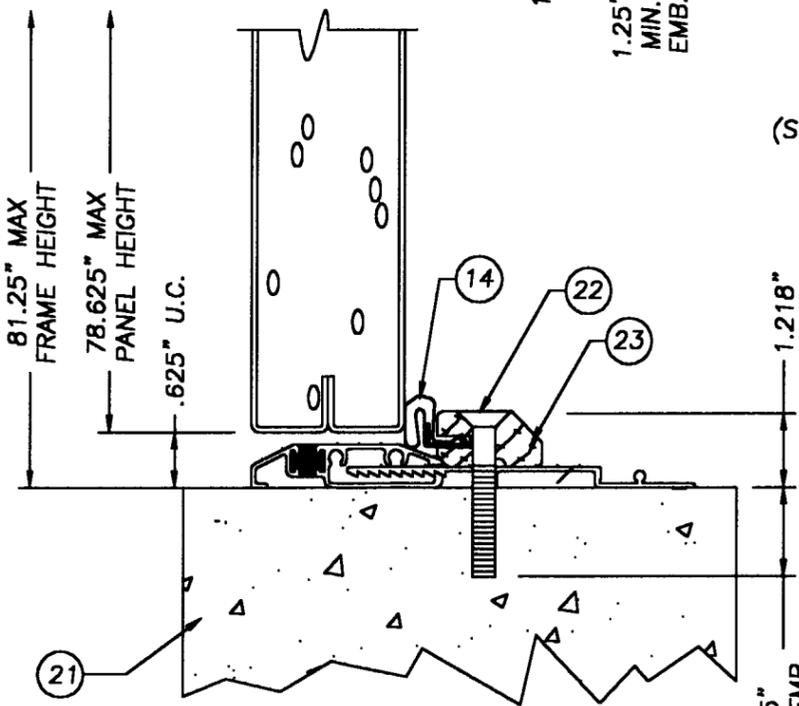


PRODUCT:	BENCHMARK GLAZED OUTSWING STEEL DOOR W/ADJUSTA-STEEL FRAME	
PART OR ASSEMBLY:	ELEVATIONS & GENERAL NOTES	
NO.	DATE	REVISIONS
1	3/28/00	GENERAL
		TJH
		BY

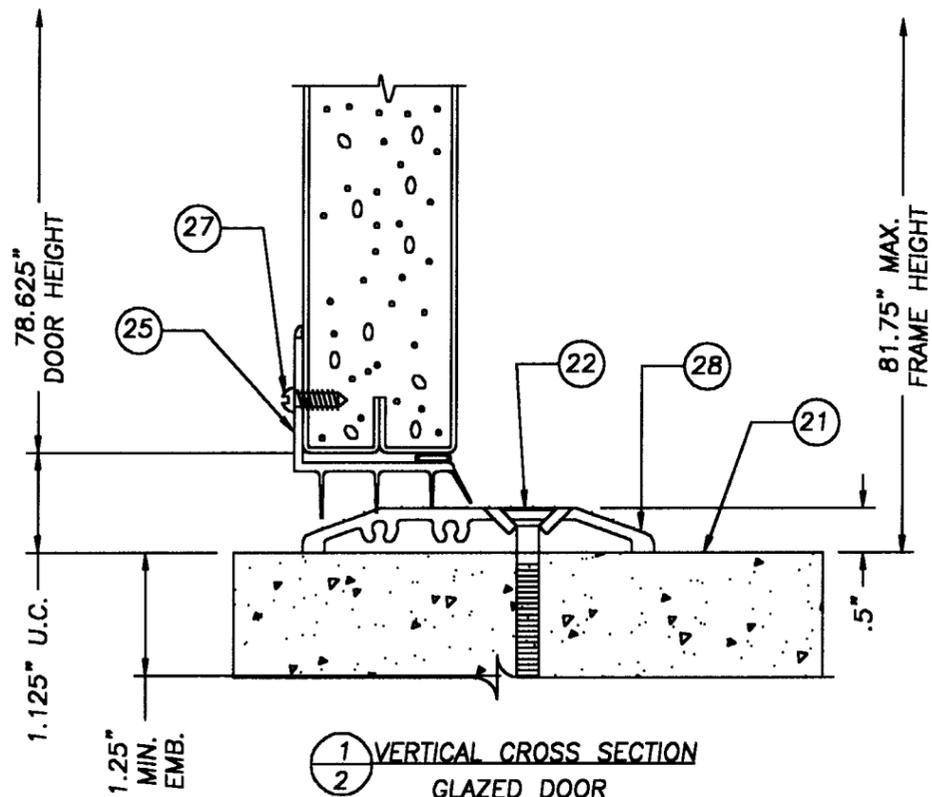
RW BUILDING CONSULTANTS, INC.
813.684.3831



1 VERTICAL CROSS SECTION
2 GLAZED DOOR
3PIECE ALUM THRESHOLD



1 VERTICAL CROSS SECTION
2 GLAZED DOOR
3PIECE ALUM/WOOD THRESHOLD



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

- NOTES:
1. THE TABS FROM THE SIDE JAMBS ARE INSERTED INTO THE SLOTS OF THE BASE HEADER AND BENT OVER TO FORM A MECHANICAL LOCK.
 2. OMIT ITEM #17 AT THE HEADER WHEN INSTALLING A SINGLE DOOR UNIT.
 3. (16) SCREWS TOTAL SPACING AS FOLLOWS: TOP & BOTTOM, 3" IN FROM EACH CORNER AND (1) IN THE CENTER OF FRAME. SIDES, FROM TOP DOWN 3" THEN (4) MORE AT 14.78125" ON CENTER.

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

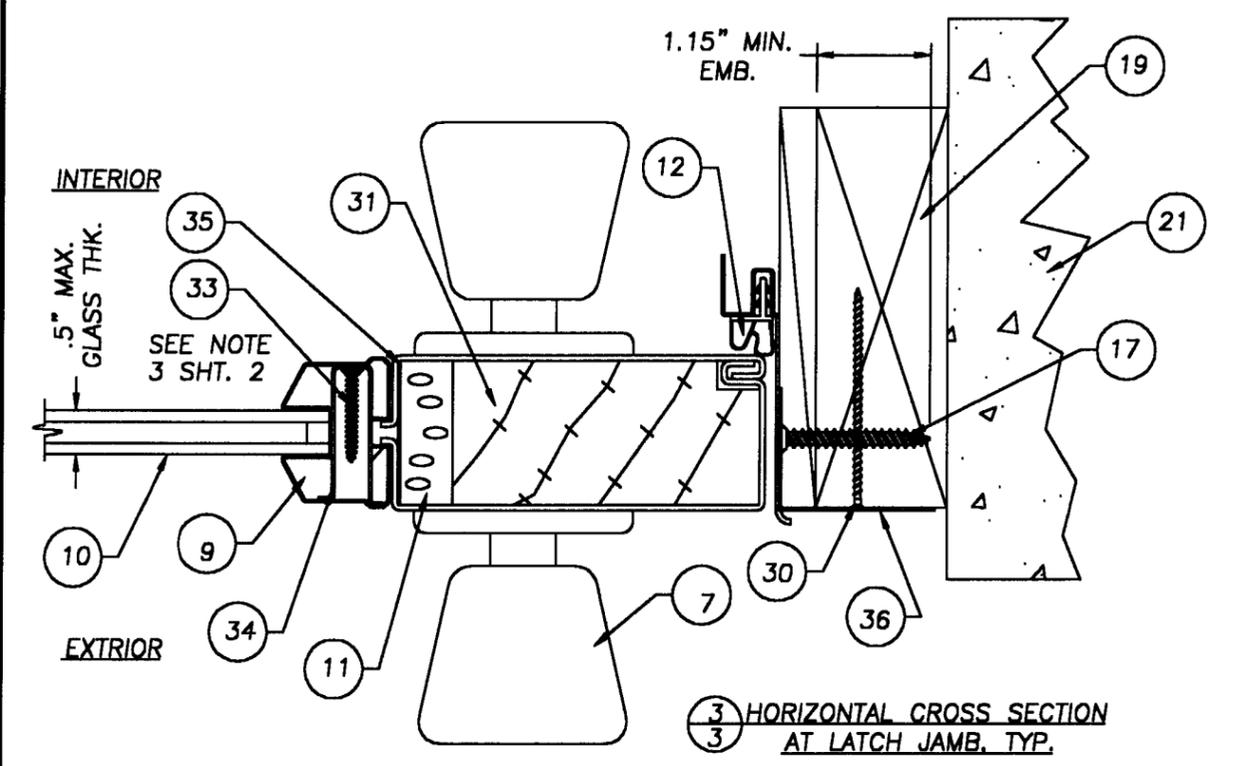
PRODUCT: BENCHMARK GLAZED OUTSWING STEEL DOOR W/ ADJUSTA-STEEL FRAME
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

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

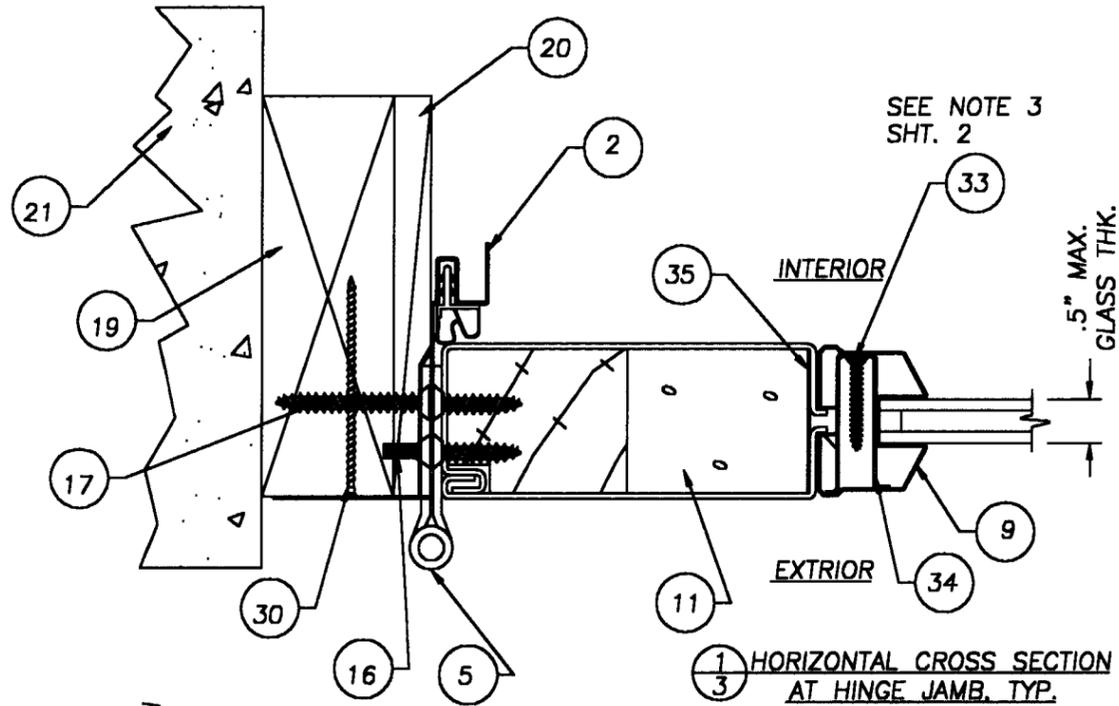
RW BUILDING CONSULTANTS, INC.
813.684.3831

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2000*
BY *Maurice [Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1028.04*

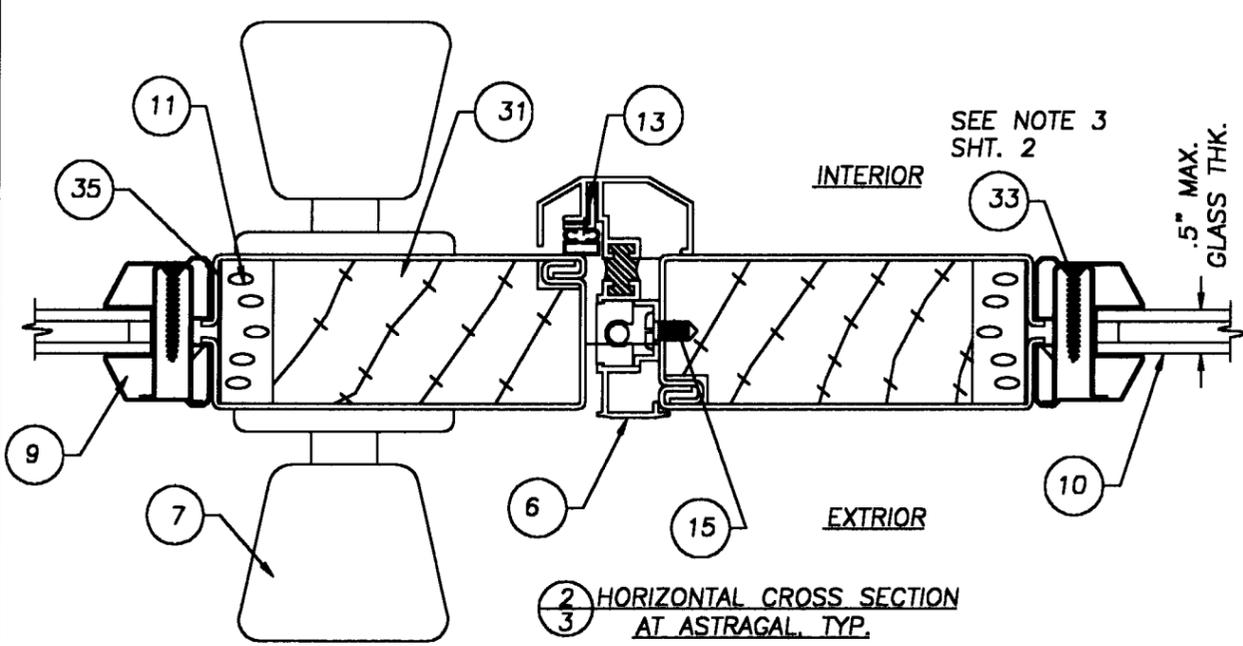
DATE: 2/25/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2006
SHEET 2 OF 5



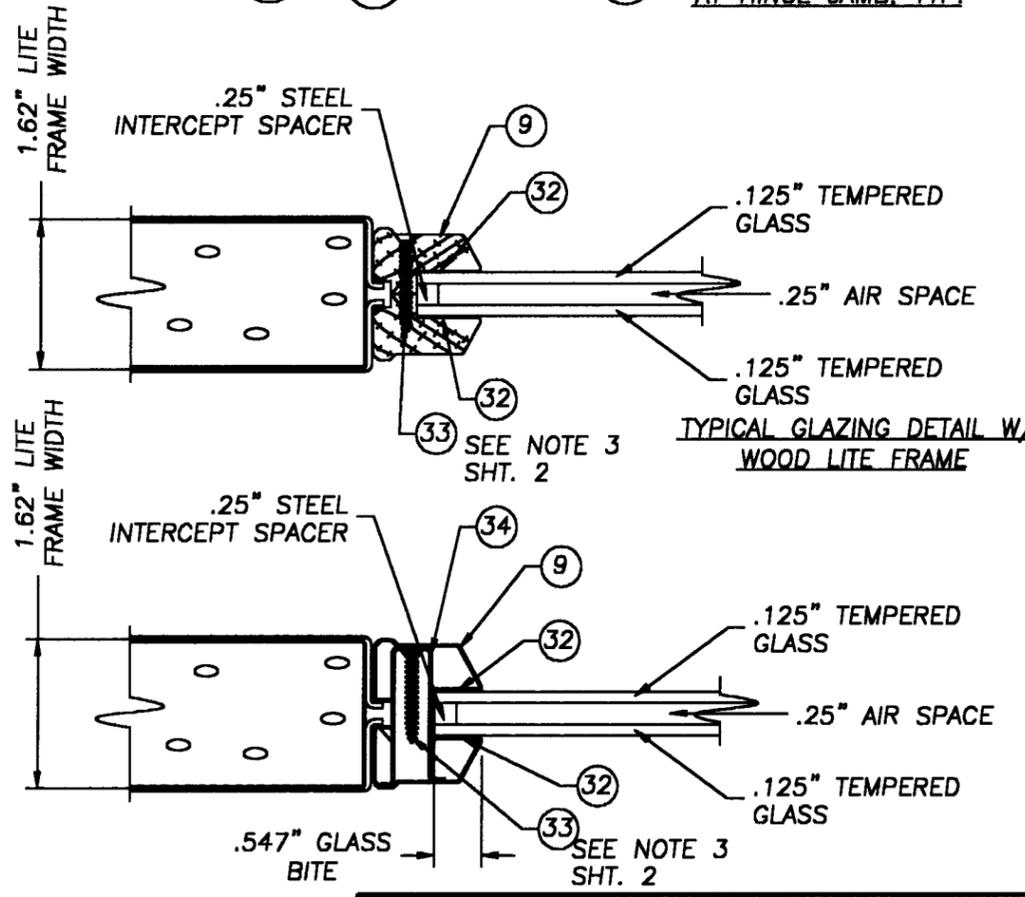
3 HORIZONTAL CROSS SECTION AT LATCH JAMB, TYP.



1 HORIZONTAL CROSS SECTION AT HINGE JAMB, TYP.



2 HORIZONTAL CROSS SECTION AT ASTRAGAL, TYP.



TYPICAL GLAZING DETAIL W/ STEEL INTEGRAL LITE FRAME

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE *April 21, 2009*
 BY *Mauro*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. *99-1028.04*

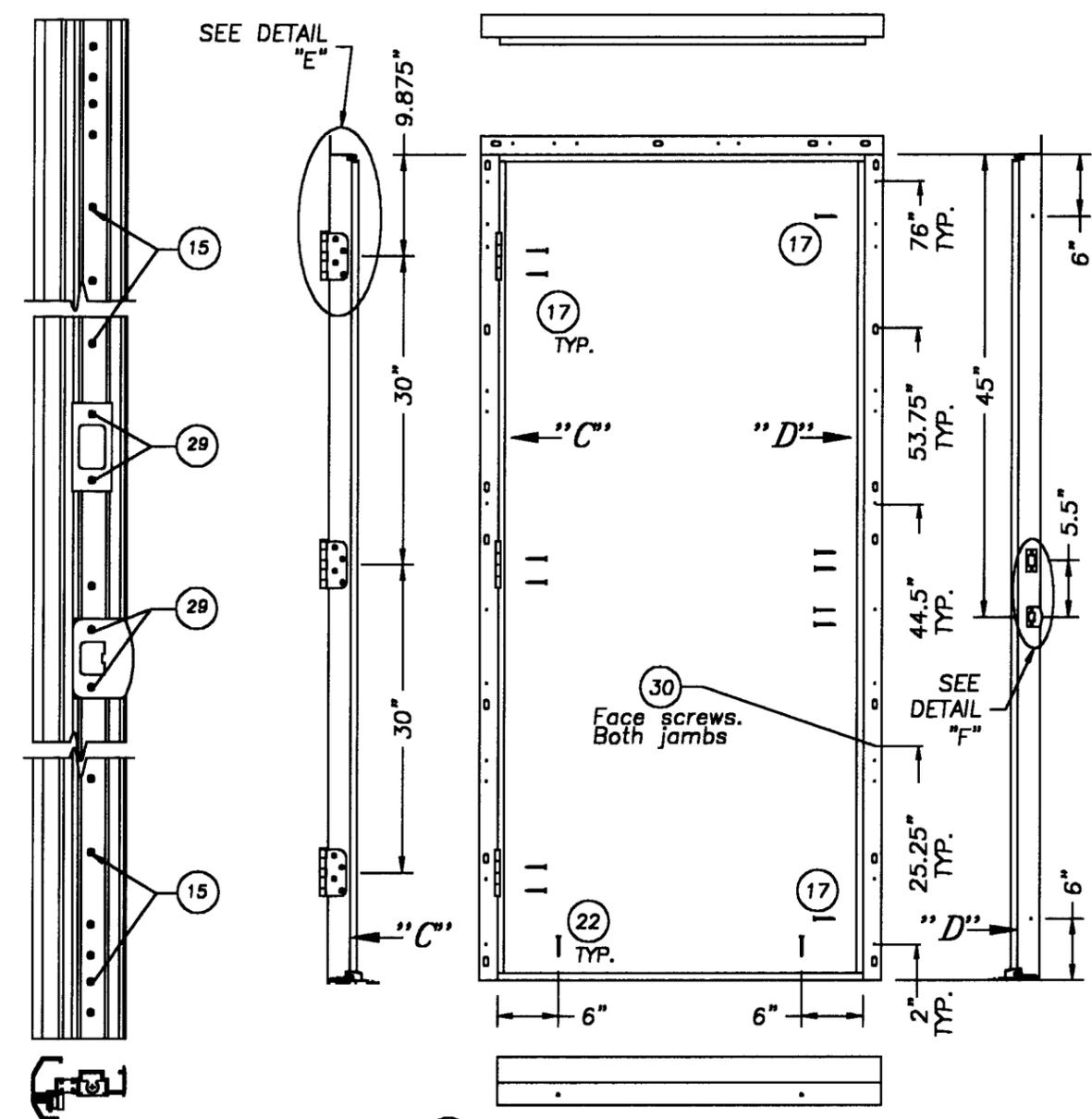
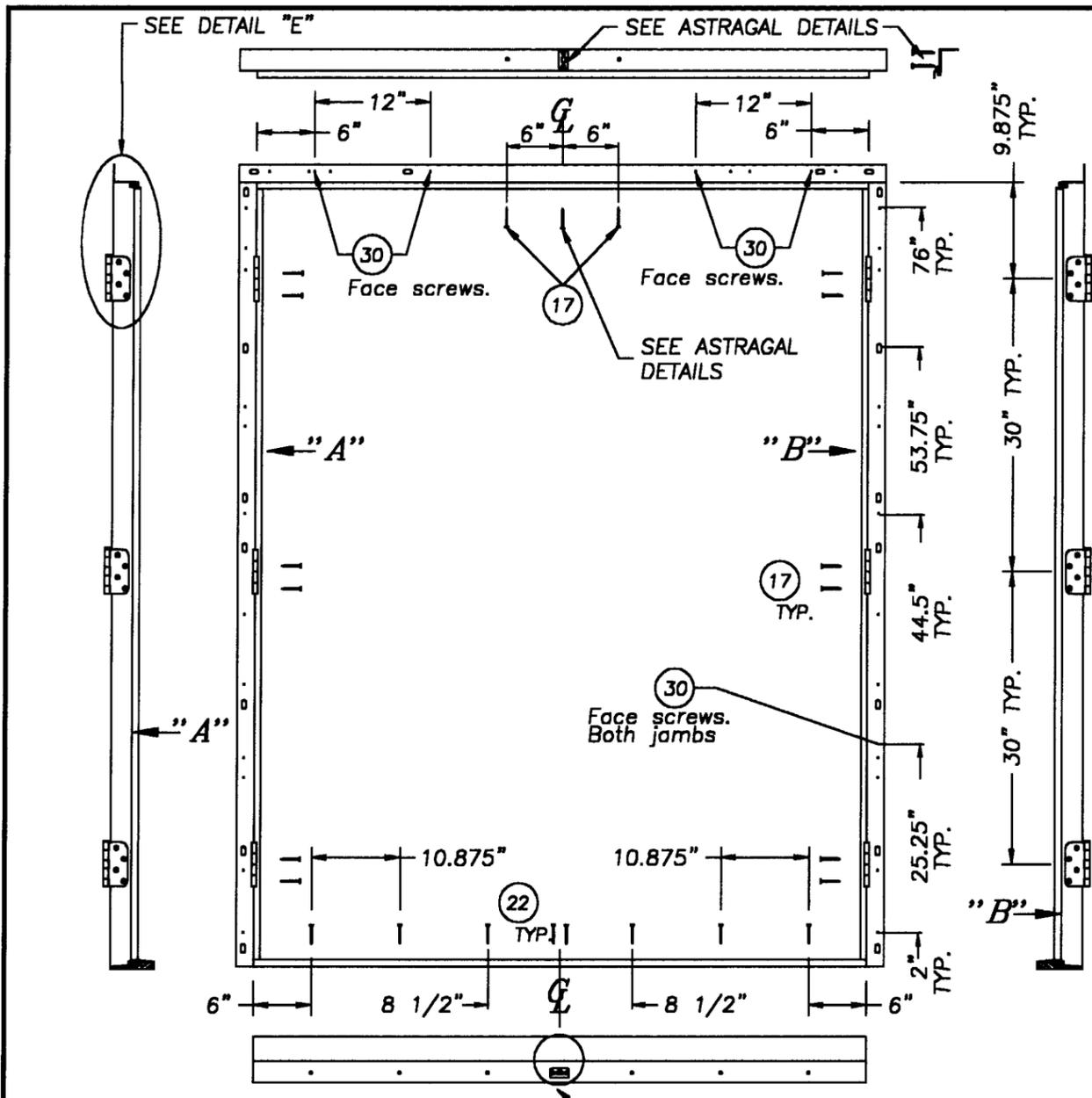
GENERAL PRODUCTS CO. INC.
 P.O. BOX 7387
 FREDERICKSBURG, VA 22404
 PH. (540) 898-5700

PRODUCT: BENCHMARK GLAZED W/ OUTSWING STEEL DOOR W/ ADJUSTA-STEEL FRAME
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAIL

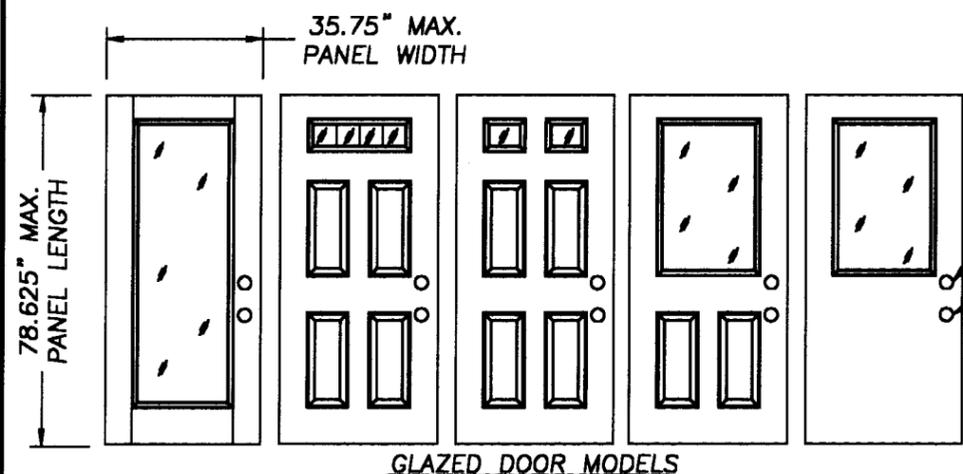
NO.	DATE	GENERAL	TJH	BY	REVISIONS
1	3/28/00				

RW BUILDING CONSULTANTS, INC.
 813.684.3831

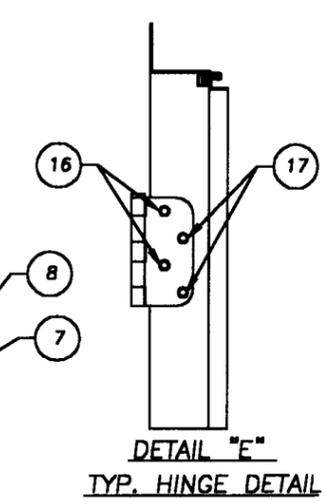
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 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.: S-2006
 SHEET 3 OF 5



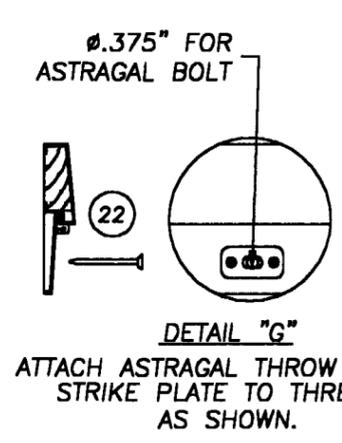
ASTRAGAL DETAILS



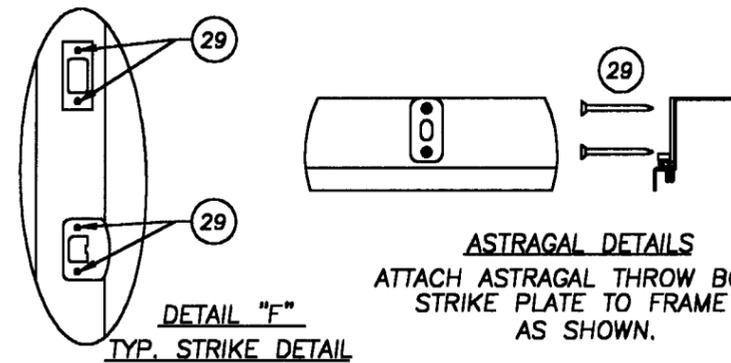
GLAZED DOOR MODELS



DETAIL "E"
TYP. HINGE DETAIL



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



DETAIL "F"
TYP. STRIKE DETAIL

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

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

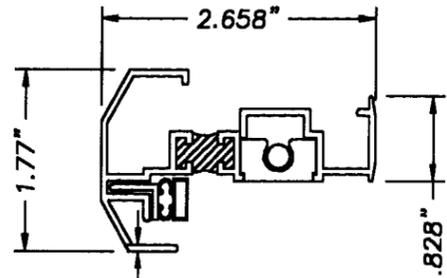
PRODUCT: BENCHMARK GLAZED
OUTSWING STEEL DOOR W/
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY:
ANCHORING LAYOUTS &
DOOR MODELS

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

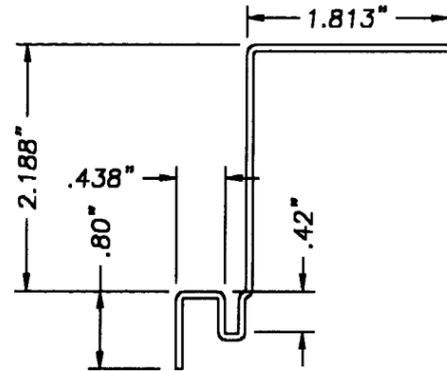
RW BUILDING
CONSULTANTS, INC.
813.684.3831

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2009*
BY *Manuel...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1028.04*

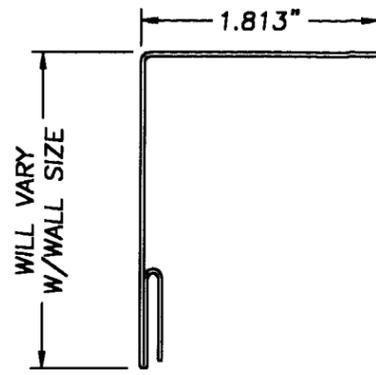
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DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2006
SHEET 4 OF 5



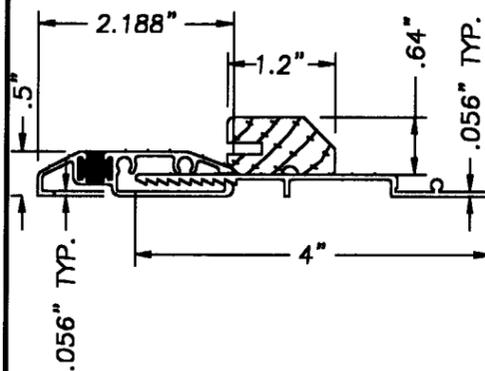
TEE ASTRAGAL



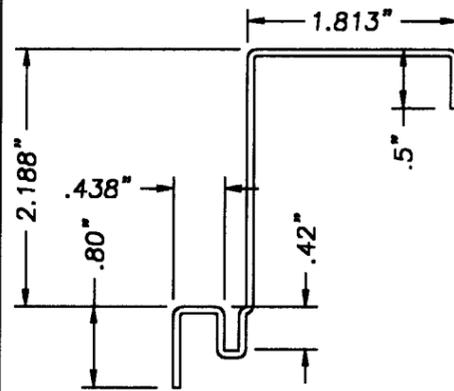
ADJUSTA-STEEL BASE FRAME
W/FLAT FACE
16GA. (.054" MIN.)



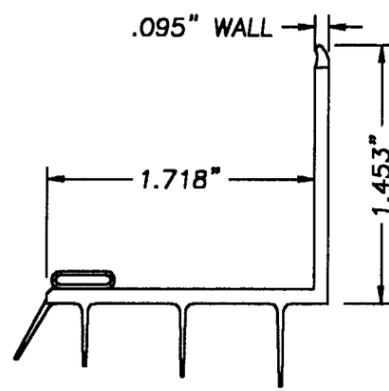
ADJUSTA-STEEL CLOSURE FRAME
W/FLAT FACE
20GA. (.033" MIN.)



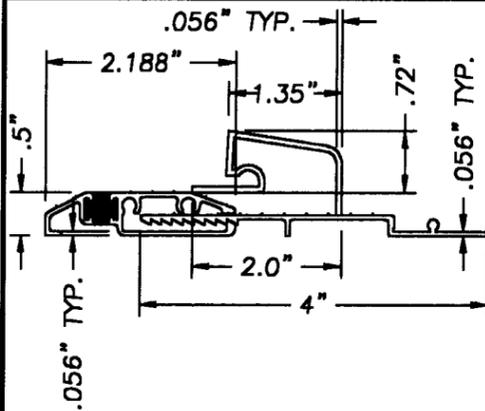
3PIECE OUTSWING BUMP FACE
ALUMINUM/WOOD THRESHOLD
W/WOOD BUMP FACE ADD-ON PART



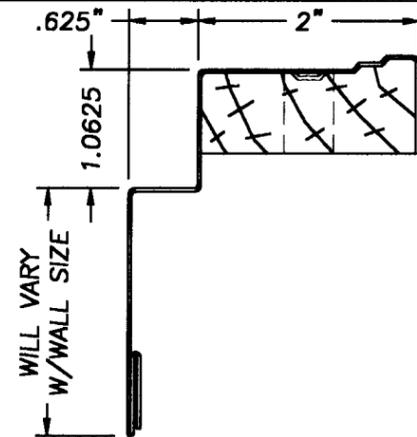
ADJUSTA-STEEL BASE FRAME
W/1/2" RETURN LEG
16GA. (.054" MIN.)



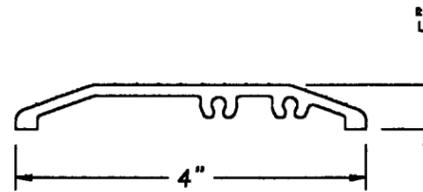
VINYL ADJUSTABLE SWEEP



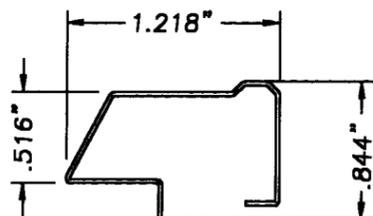
3PIECE OUTSWING BUMP FACE
ALL ALUMINUM THRESHOLD
W/ALUM. BUMP FACE ADD-ON PART



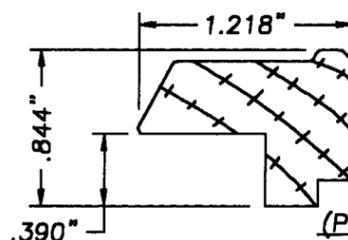
ADJUSTA-STEEL CLOSURE FRAME
W/FORMED BRICK MOLD
20GA. (.033" MIN.)



BARRIER FREE THRESHOLD



INTEGRAL STEEL LITE FRAME
24GA. (.023" MIN.)



WOOD LITE FRAME
(PRIMED PINE OR UNPRIMED POPLAR)

ITEM	DESCRIPTION	MATERIAL
1	STEEL BASE HEADER (16GA. .054" MIN.)	STEEL
2	STEEL HINGE JAMB (16GA. .054" MIN.)	STEEL
3	STEEL CLOSURE HEADER (20GA. .033" MIN.)	STEEL
4	STEEL CLOSURE JAMB (20GA. .033" MIN.)	STEEL
5	NON-REMOVABLE PIN HINGE BENCHMARK 4" x 4" HINGE PROPRIETARY .097" THK.	STEEL
6	T-ASTRAGAL (.063" WALL THK.)	ALUMINUM
7	KWIKSET 200 DL PASSAGE	-
8	KWIKSET 660 DEADBOLT	-
9	STEEL INTEGRAL LITE FRAME OR WOOD LITE FRAME (PINE OR POPLAR)	STEEL WOOD
10	GLAZING, 1/2" INSULATED GLASS	-
11	POLYURETHANE FOAM CARPENTER CHEM. 2.15 lbs DENSITY	-
12	COMPRESSION WEATHER STRIPPING	FOAM
13	MAGNETIC WEATHER STRIPPING	VINYL
14	COMPRESSION WEATHER STRIPPING Q-LON QDS 650	FOAM
15	#12 x 1/2" L. SCREW (ASTRAGAL TO DOOR)	STEEL
16	10-24 x 3/8" PHILLIPS FLATHEAD SCREW	STEEL
17	#10 x 1 3/4" L. PHILLIPS FLATHEAD SCREW	STEEL
18	WOOD HINGE REIN. 1 11/16" SQ. x 5 7/8" L.	WOOD
19	2X WOOD (BUCK)	WOOD
20	1/4" MAX. SHIM SPACER	-
21	MASONRY WALL	-
22	3/16" TAPCON ANCHOR (ELCO)	STEEL
23	3 PIECE BUMP FACE OUTSWING ALUM./WOOD THRESHOLD	ALUM/WOOD
24	3 PIECE BUMP FACE OUTSWING ALUM. THRESHOLD	ALUMINUM
25	ADJUSTABLE SWEEP	VINYL
26	#10 x 1" WOOD SCREW (WOOD HINGE REIN.)	STEEL
27	#8 x 1/2" TYPE "AB" PANHEAD SCREW (SWEEP)	STEEL
28	1PIECE BARRIER FREE THRESHOLD	ALUMINUM
29	#8 x 2 1/2" L. PHILLIPS FLATHEAD SCREW	STEEL
30	#6 x 2 1/2" L. PHILLIPS FLATHEAD SCREW	STEEL
31	SOLID LATCH WOOD BLOCK 3 1/2" x 1 11/16" x 48" LG.	WOOD
32	CAULK SCHNEE MOREHEAD S-M 8500	SILICONE
33	#6 x 1 1/2" L. PHILLIPS FLATHEAD SCREW	STEEL
34	INTEGRAL STEEL LITE FRAME RETAINER CLIP	STEEL
35	FOAM STOP	CARDBOARD
36	STEEL LATCH JAMB (16GA. .054" MIN.)	STEEL

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

PRODUCT: BENCHMARK GLAZED
OUTSWING STEEL DOOR W/
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY:
FRAME COMPONENTS &
BILL OF MATERIALS

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

RW BUILDING
CONSULTANTS, INC.
813.684.3831

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: April 21, 2000
BY: *Mauro Jerez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 99-1028.04

DATE: 2/25/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2006
SHEET 5 OF 5