



**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" Glazed Outswing Residential Insulated Steel Doors w/Adjusta-Fit Steel Frame

APPROVAL DOCUMENT: Drawing No. S-2007, titled "Benchmark Glazed Inswing Steel Door w/Adjusta-Fit Steel Frame", sheets 1 through 5 of 5, prepared by the Rick Wright Building Consulting, Inc., dated 2/25/00 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: None

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 # 99-1028.04 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 03-0109.05
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-2007**, titled "Benchmark Glazed Inswing Steel Door w/Adjusta-Fit Steel Frame", sheets 1 through 5 of 5, prepared by the Rick Wright Building Consulting, Inc., dated 2/25/00 with revision on 3/28/00.

B. TESTS

Submitted under NOA#99-1028.04

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#99-1028.04

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#99-1028.04

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. **99-1028.04**, General Products, Co., Inc., Benchmark" Glazed Outswing Residential Insulated Steel Doors w/Adjusta-Fit Steel Frame, approved on 4/21/00 and expiring on 4/21/03.



Jaime Eisen, P.E.
Product Control Examiner
NOA No 03-0109.05
Expiration Date: April 21, 2008
Approval Date: February 20, 2003

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

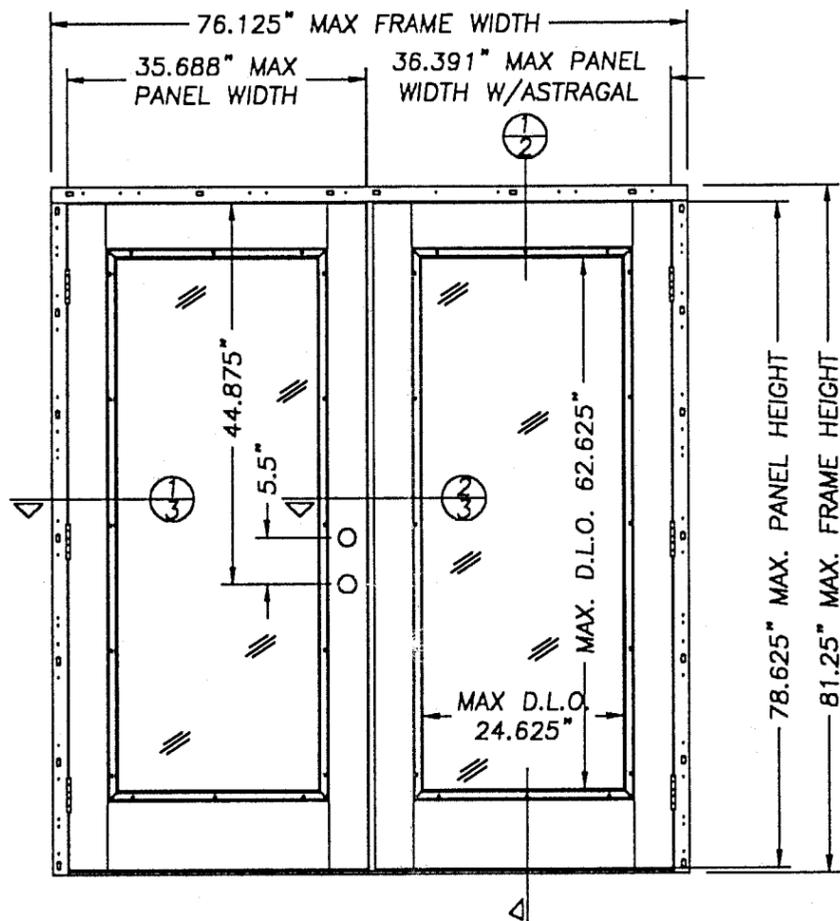
- A. FACE SHEETS: 24 GA. (.025") MINIMUM THICKNESS, GALVANIZED STEEL A-525 COMMERCIAL QUALITY - AKOQ PER ASTM 620 WITH YIELD STRENGTH FY (MIN.) = 27,000psi
- B. CORE DESIGN: POLYURETHANE FOAM (CARPENTER CHEMICAL WITH 2.15 LBS. DENSITY) CORE LAMINATED TO INSIDE FACES.
- C. CONSTRUCTION: THE VERTICAL STYLES 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

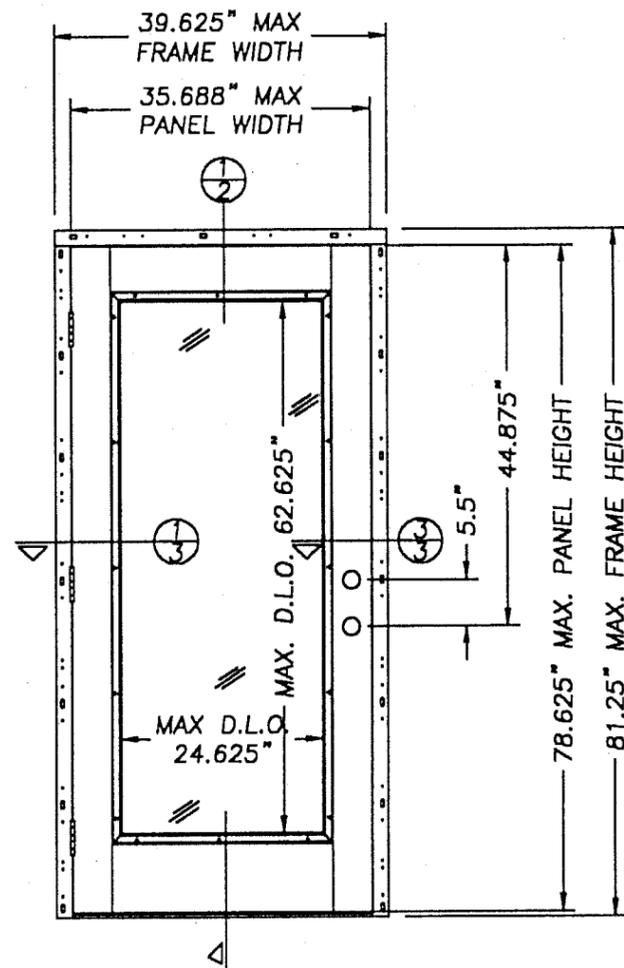
- A. BASE FRAME MATERIAL: 16GA. (.054" MIN. THK.)
- B. CLOSURE FRAME MATERIAL: 20GA. (.033" MIN. THK.)
- C. THE FRAMES ARE ROLL FORMED AND PRESS BROKE WITH TABS AND SLOTS ON THE HEADERS TO FORM A LOCK.

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.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 03-0109.05
Expiration Date 04/21/08
By *[Signature]*
Miami Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 21, 2009*
BY *[Signature]*
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

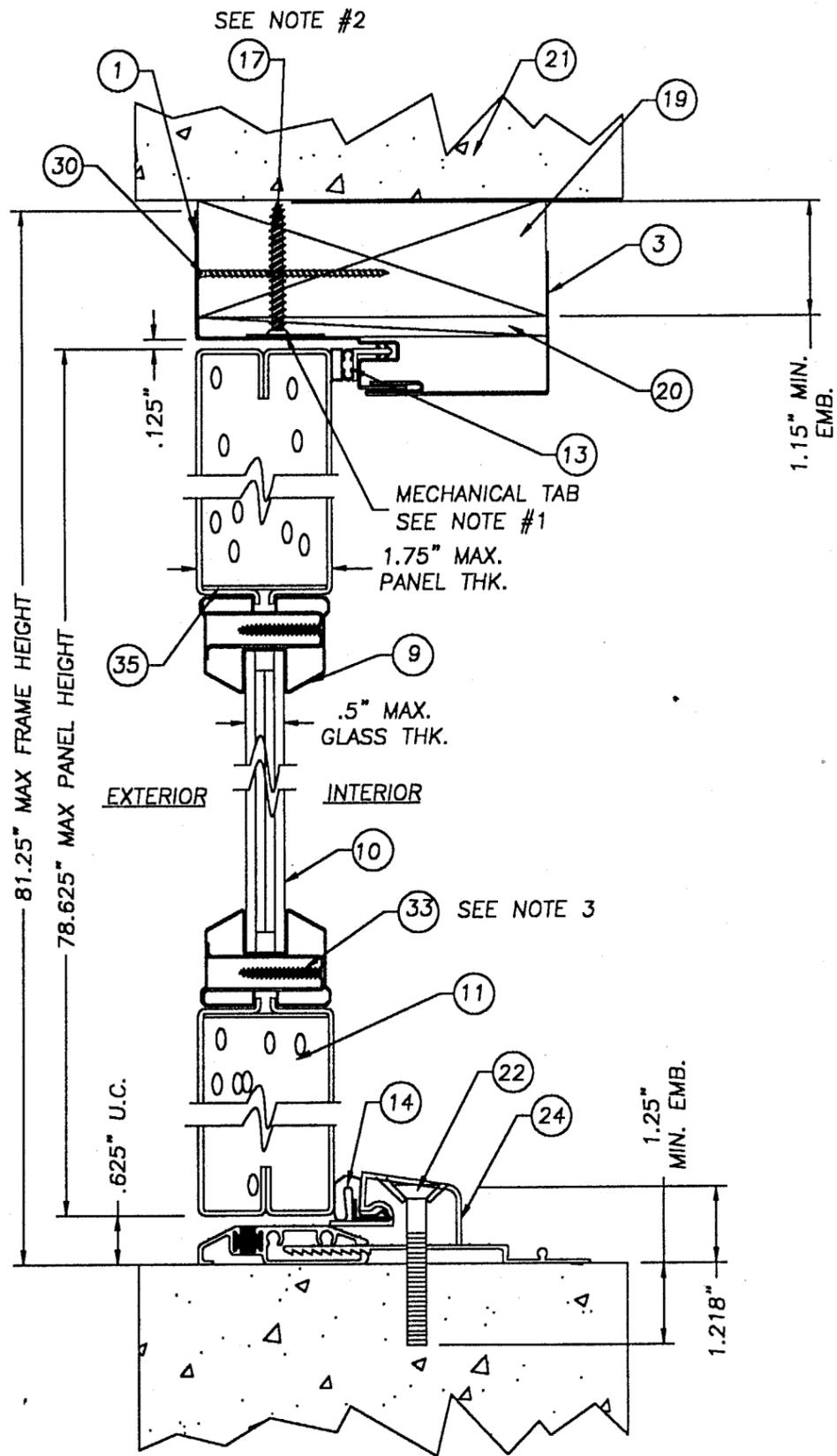


PRODUCT:
BENCHMARK GLAZED
OUTSWING STEEL DOOR W/
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY:
ELEVATIONS &
GENERAL NOTES

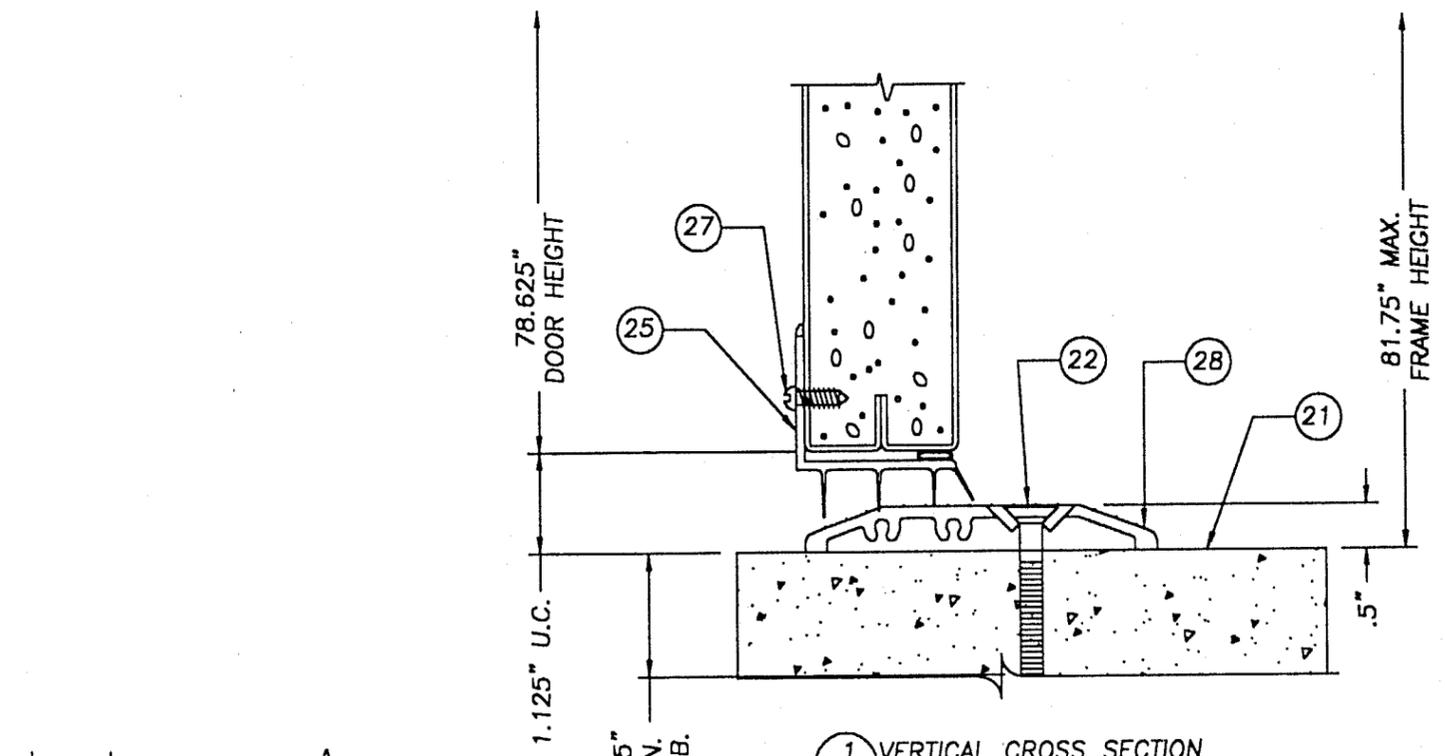
NO.	DATE	BY	REVISIONS
1	3/28/00	TJH	GENERAL

RW BUILDING
CONSULTANTS, INC.
813.684.3831

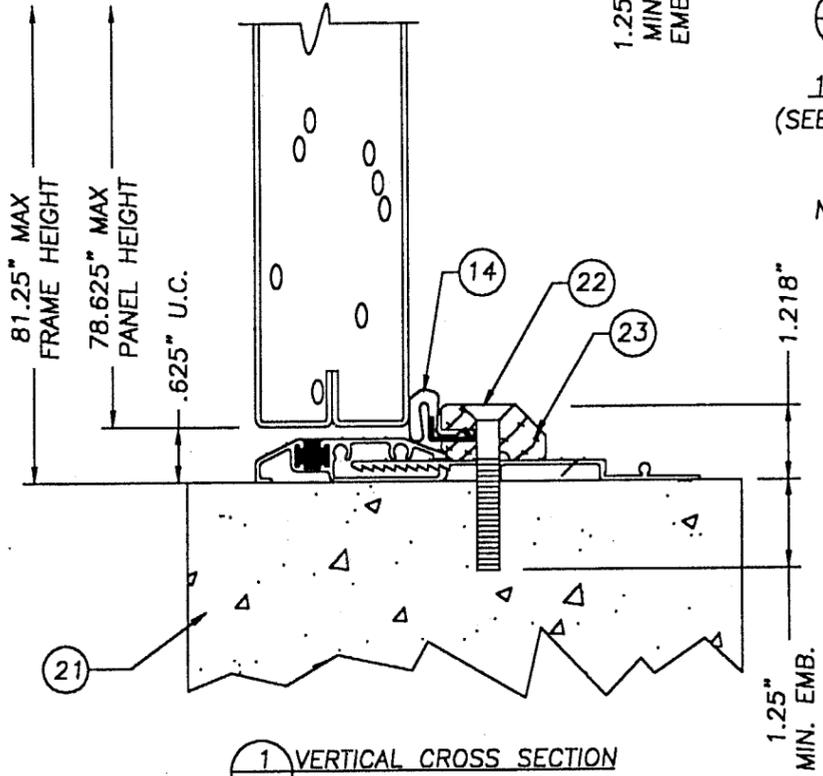
DATE: 2/25/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2006
SHEET 1 OF 5



1 VERTICAL CROSS SECTION
2 GLAZED DOOR
3PIECE ALUM THRESHOLD



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



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

- 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.

PRODUCT RENEWED
as complying with the Florida
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Expiration Date 04/21/08
By *[Signature]*
Miami Building Product Control
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DATE *April 21, 2008*
BY *[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

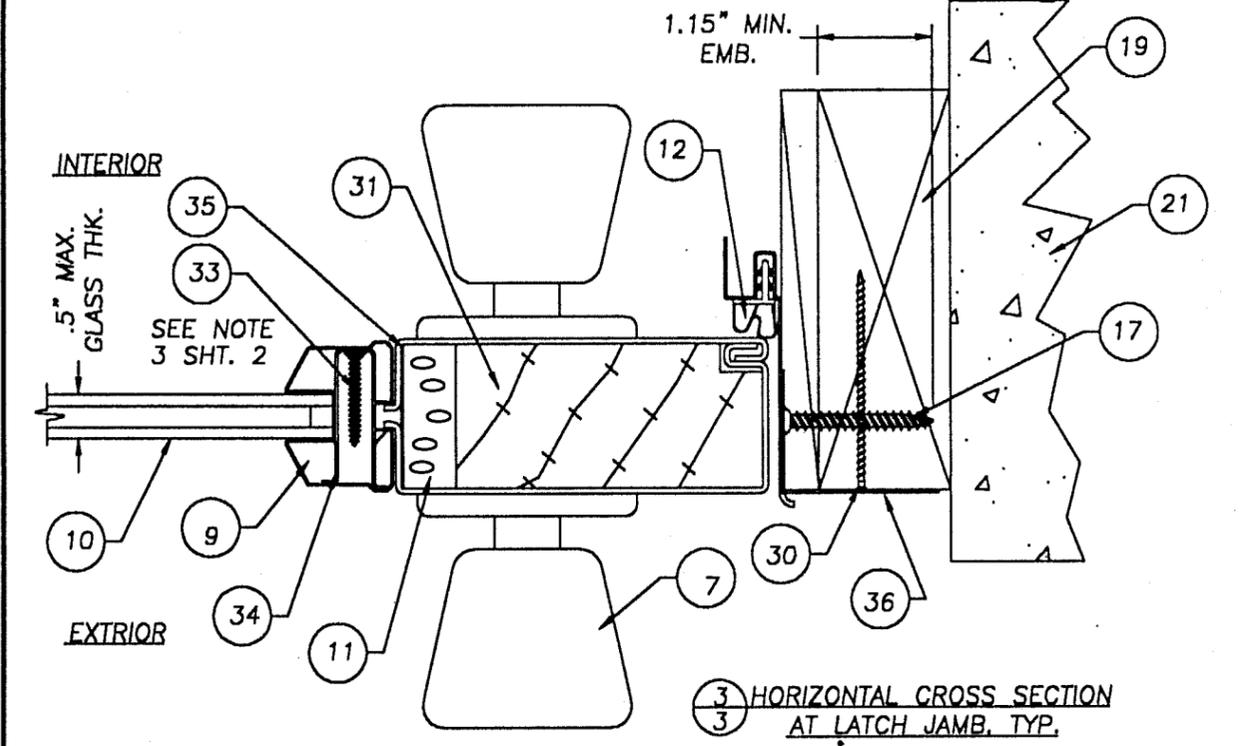


GENERAL PRODUCTS CO. INC.
P.O. BOX 7387
FREDERICKSBURG, VA 22404
PH. (540) 898-5700

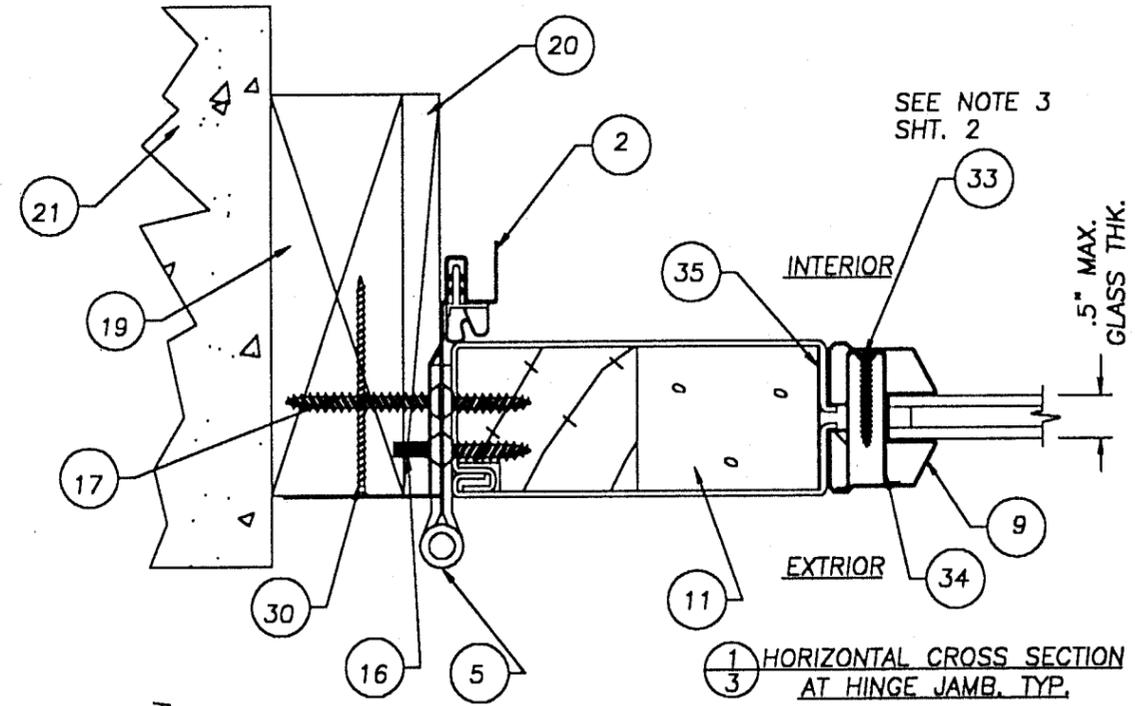
PRODUCT: BENCHMARK GLAZED DOOR W/
OUTSWING STEEL FRAME
ADJUSTA-STEEL FRAME
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	GENERAL	TJH	BY	REVISIONS
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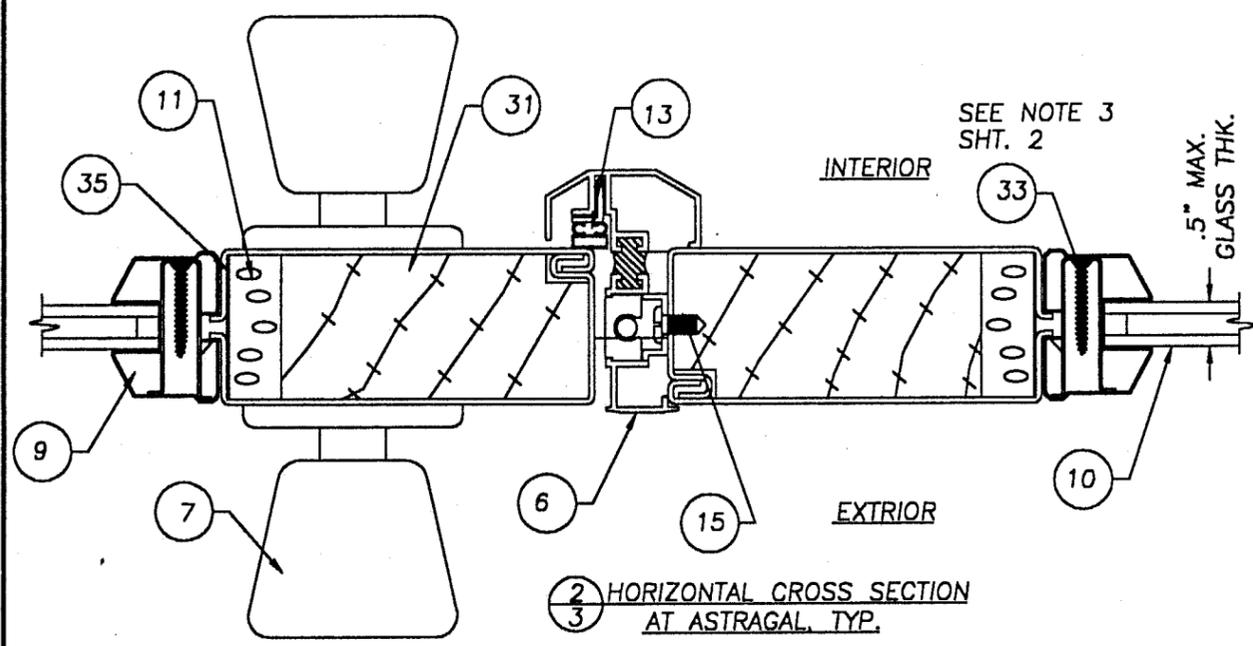
RW BUILDING
CONSULTANTS, INC.
813.684.3831



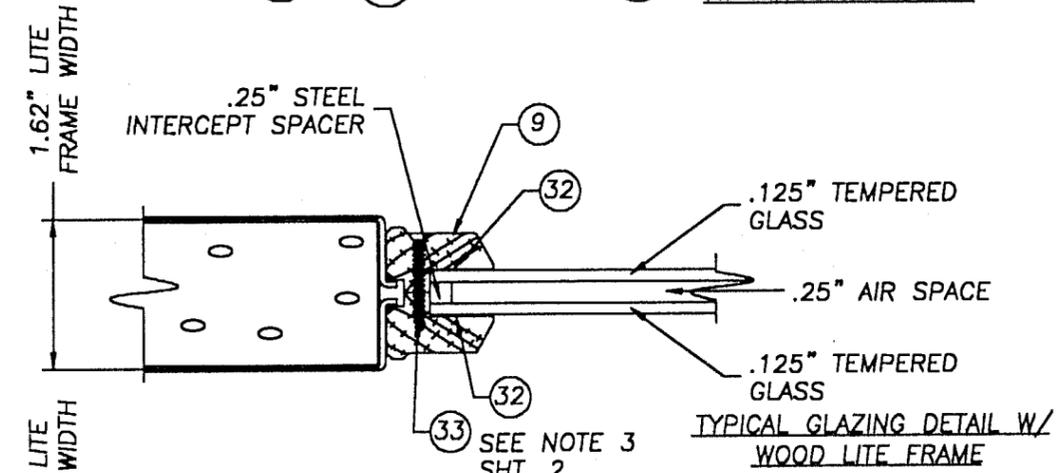
3 HORIZONTAL CROSS SECTION AT LATCH JAMB, TYP.



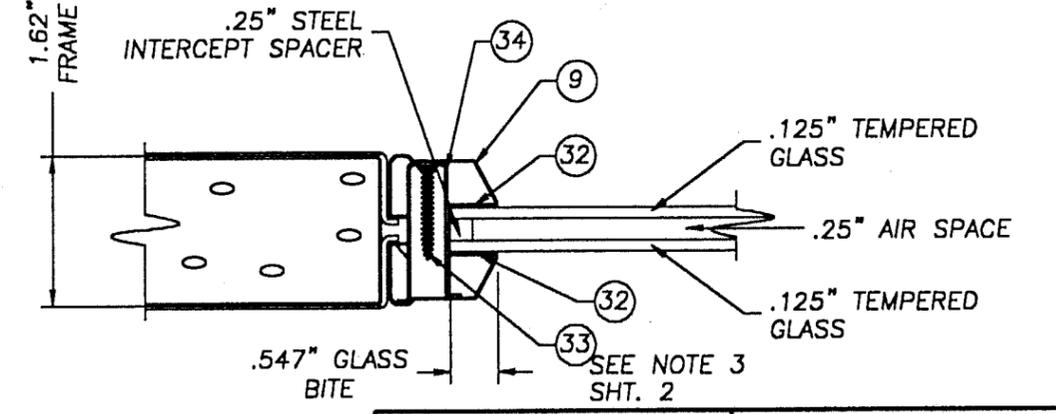
1 HORIZONTAL CROSS SECTION AT HINGE JAMB, TYP.



2 HORIZONTAL CROSS SECTION AT ASTRAGAL, TYP.



TYPICAL GLAZING DETAIL W/ WOOD LITE FRAME



TYPICAL GLAZING DETAIL W/ STEEL INTEGRAL LITE FRAME

PRODUCT RENEWED
 as complying with the Florida Building Code
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 Expiration Date 04/21/08
 By *[Signature]*
 Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE *April 21, 2009*
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
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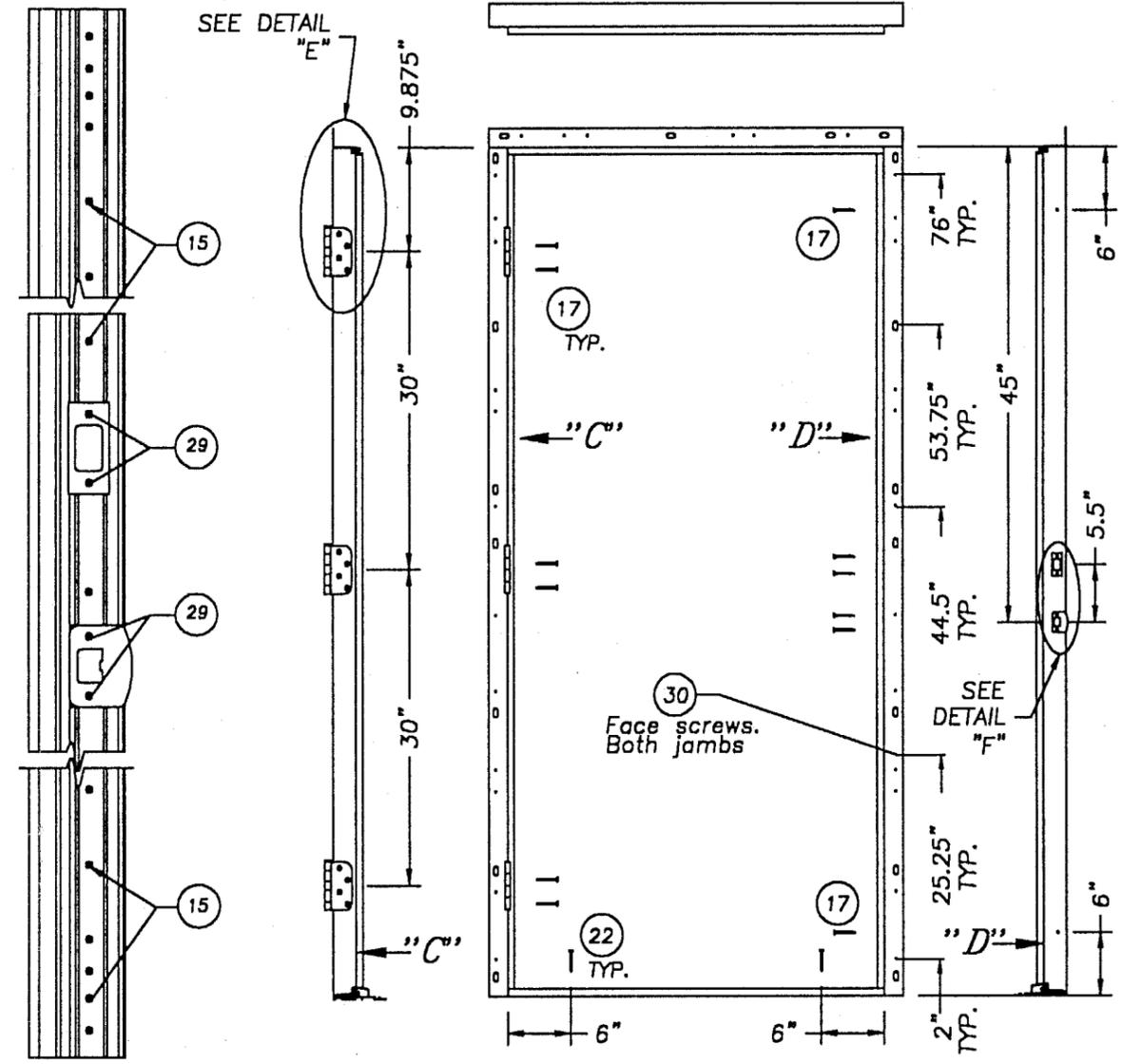
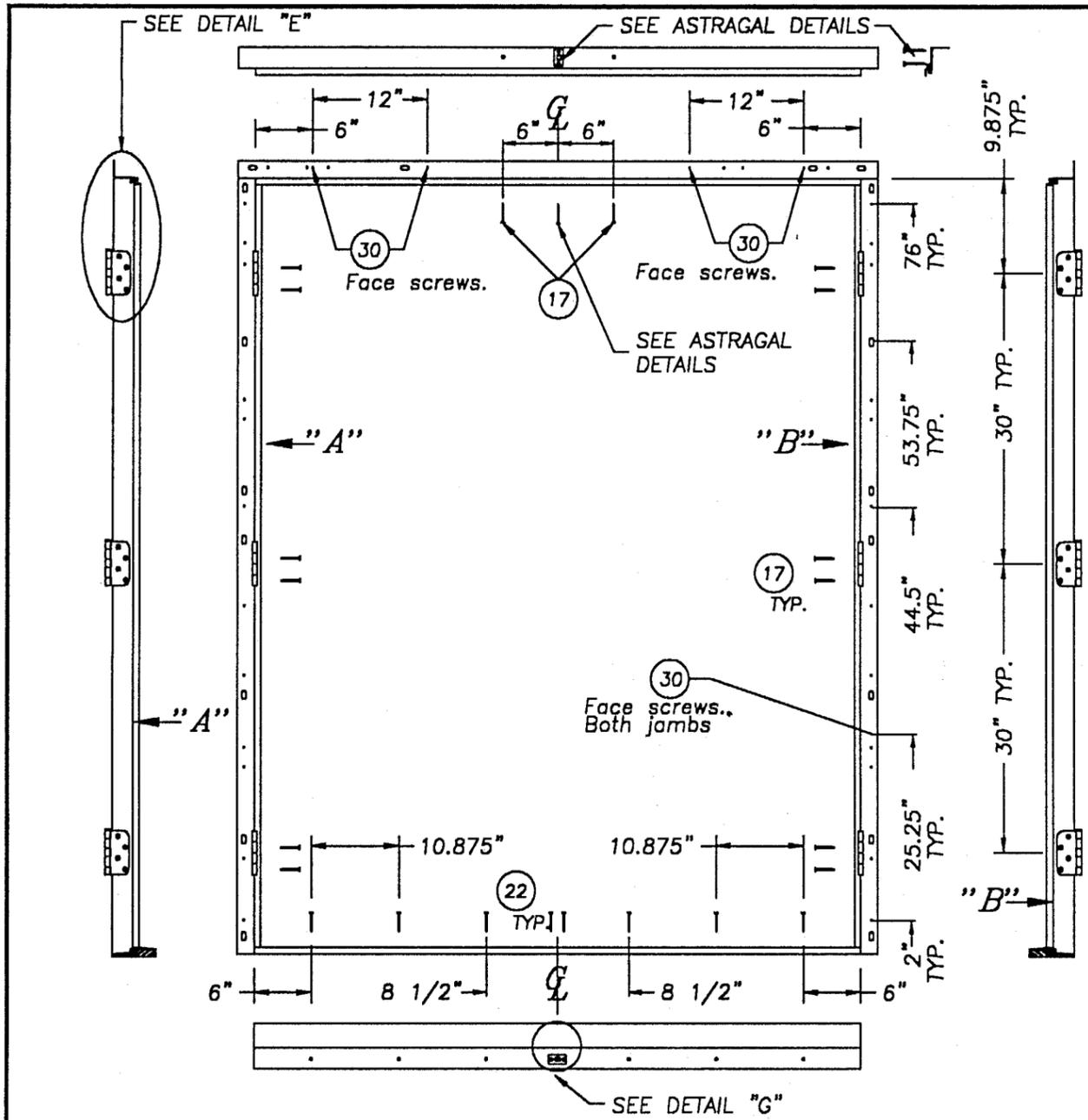
DATE: 2/25/00
 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.: S-2006
 SHEET 3 OF 5

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

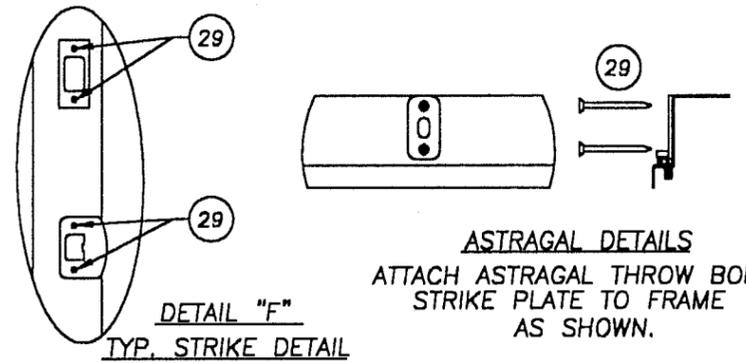
PRODUCT: BENCHMARK GLAZED W/ OUTSWING STEEL DOOR W/ ADJUSTA-STEEL FRAME
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAIL

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

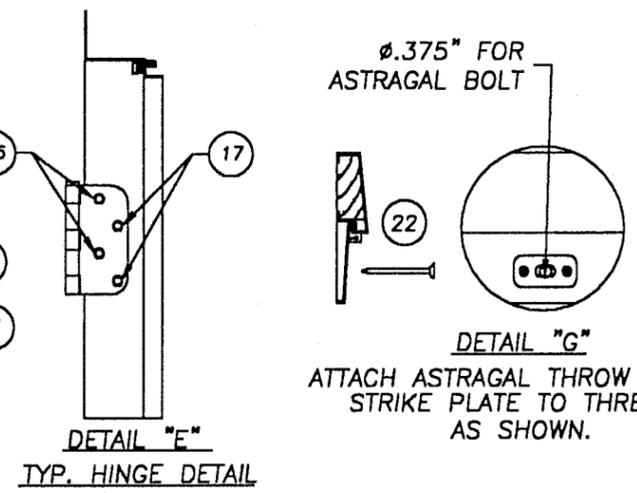
RW BUILDING CONSULTANTS, INC.
 813.684.3831



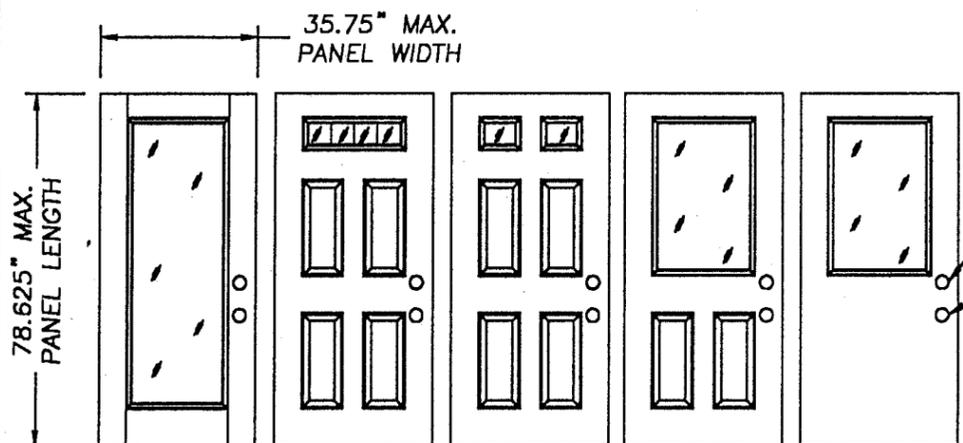
ASTRAGAL DETAILS



DETAIL "F" TYP. STRIKE DETAIL



DETAIL "E" TYP. HINGE DETAIL



GLAZED DOOR MODELS

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: ANCHORING LAYOUTS & DOOR MODELS

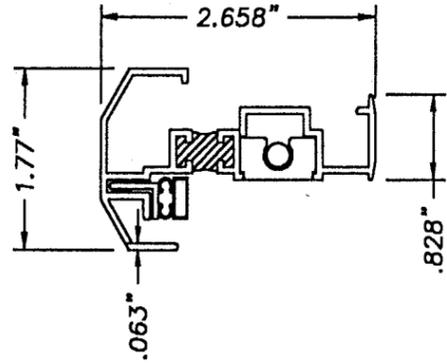
NO.	DATE	GENERAL	TJH	BY	REVISIONS
1	3/28/00	GENERAL	TJH	BY	

RW BUILDING CONSULTANTS, INC.
813.684.3831

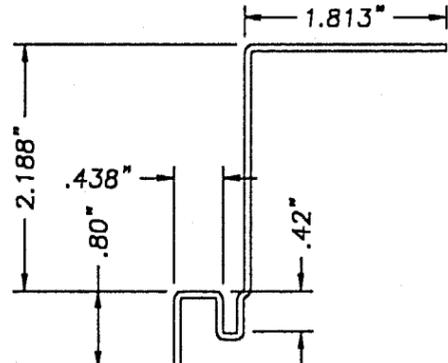
PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0109.05
Expiration Date 04/21/08
By Miami Dept. of Building Control Division

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

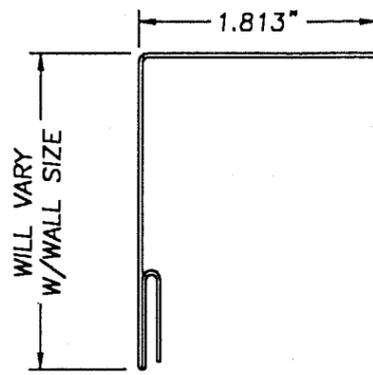
DATE: 2/25/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2006
SHEET 4 OF 5



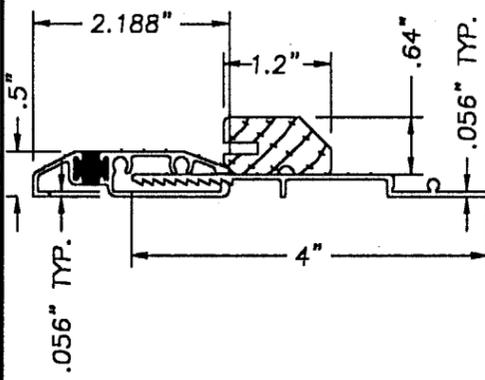
TEE ASTRAGAL



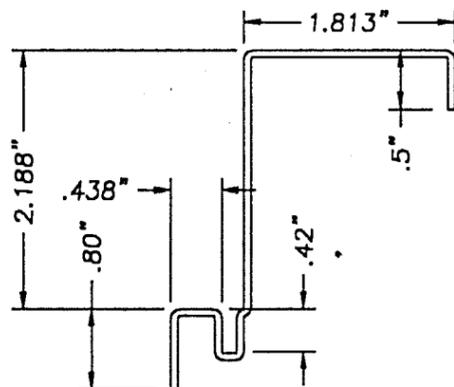
ADJUSTA-STEEL BASE FRAME
W/FLAT FACE
16GA. (.054\"/>



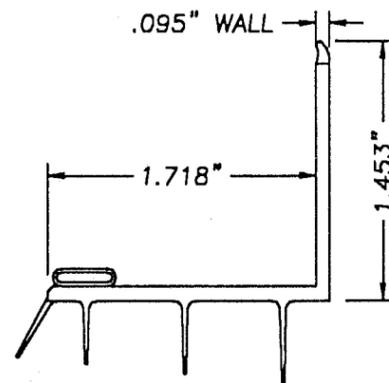
ADJUSTA-STEEL CLOSURE FRAME
W/FLAT FACE
20GA. (.033\"/>



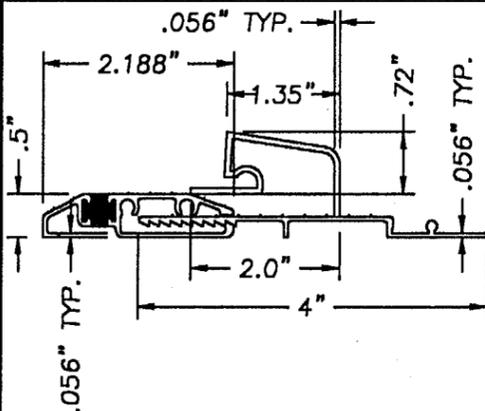
3PIECE OUTSWING BUMP FACE
ALUMINUM/WOOD THRESHOLD
W/WOOD BUMP FACE ADD-ON PART



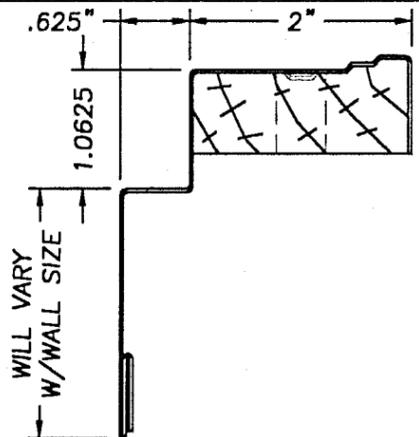
ADJUSTA-STEEL BASE FRAME
W/1/2\"/>



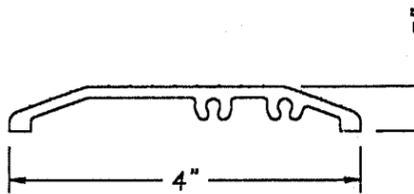
VINYL ADJUSTABLE SWEEP



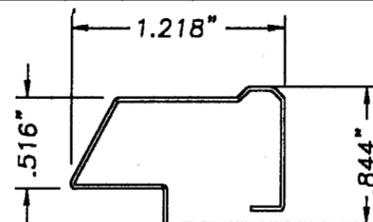
3PIECE OUTSWING BUMP FACE
ALL ALUMINUM THRESHOLD
W/ALUM. BUMP FACE ADD-ON PART



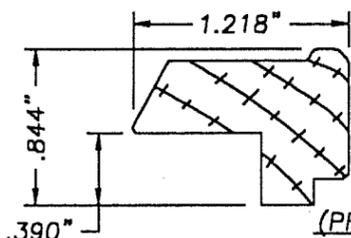
ADJUSTA-STEEL CLOSURE FRAME
W/FORMED BRICK MOLD
20GA. (.033\"/>



BARRIER FREE THRESHOLD



INTEGRAL STEEL LITE FRAME
24GA. (.023\"/>



WOOD LITE FRAME
(PRIMED PINE OR UNPRIMED POPLAR)

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	NON-REMOVABLE PIN HINGE BENCHMARK 4\"/>	
6	T-ASTRAGAL (.063\"/>	
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\"/>	
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\"/>	
16	10-24 x 3/8\"/>	
17	#10 x 1 3/4\"/>	
18	WOOD HINGE REIN. 1 11/16\"/>	
19	2X WOOD (BUCK)	WOOD
20	1/4\"/>	
21	MASONRY WALL	-
22	3/16\"/>	
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\"/>	
27	#8 x 1/2\"/>	
28	1PIECE BARRIER FREE THRESHOLD	ALUMINUM
29	#8 x 2 1/2\"/>	
30	#6 x 2 1/2\"/>	
31	SOLID LATCH WOOD BLOCK 3 1/2\"/>	
32	CAULK SCHNEE MOREHEAD S-M 8500	SILICONE
33	#6 x 1 1/2\"/>	
34	INTEGRAL STEEL LITE FRAME RETAINER CLIP	STEEL
35	FOAM STOP	CARDBOARD
36	STEEL LATCH JAMB (16GA. .054\"/>	

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



PRODUCT:		PART OR ASSEMBLY:	
BENCHMARK GLAZED OUTSWING STEEL DOOR W/ ADJUSTA-STEEL FRAME		FRAME COMPONENTS & BILL OF MATERIALS	
NO.	DATE	BY	REVISIONS
1	3/28/00	TJH	

RW BUILDING
CONSULTANTS, INC.
813.684.3831

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