



MIAMI-DADE COUNTY
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
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Nabco Entrances, Inc.
582 W 18717 Gemini Dr. P.O. Box 906
Muskego, WI 53150

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 Florida Building Code, including High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "System GT 1400" Aluminum Automatic BiFold Glass Door w/ Breakout

APPROVAL DOCUMENT: Drawing No. **05-342**, titled "System GT 1400 Bifold-Double Leaf", sheets 1 through 6 of 6, prepared by Engco, Inc., dated 10/18/05 and last revised on March 13, 2006, signed and sealed by Pedro De Figueiredo, P.E., bearing the Miami-Dade County Product Control Renew 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 Resistant

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 # 05-1205.01** & consists of this page 1 and evidence page E-1, E-2 as well as, approval document mentioned above.

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



NOA No 06-1211.10
Expiration Date: January 17, 2012
Approval Date: February 21, 2007
Page 1

2/21/07

Nabco Entrances, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file # 05-1205.01)

1. Manufacturer's die drawings and sections
2. Drawing No. **05-342**, titled "System GT 1400 Bifold-Double Leaf", sheets 1 through 6 of 6, prepared by Engco, Inc., dated 10/18/05 and last revised on March 13, 2006, signed and sealed by Pedro De Figueiredo, P.E.

B. TESTS (transferred from file #00-1215.02) Note: Original test conducted per SFBC, PA 201, 202 & 203-94, now known as FBC, TAS 210, 202 & 203-94

1. Test reports on
 - 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Pressure Test, Loading per FBC PA 202-94
 - 3) Water Infiltration Test per FBC, TAS 202-94 (Not Performed)
 - 4) Forced Entry Test, per FBC, TAS 202-944.
 - 5) Large Missile Impact Test per FBC, TAS 203-94
 - 6) Cyclic Wind Pressure Test per FBC, TAS 204-94

Along with installation diagram of bipart slider with fixed panels, prepared by Hurricane Engineering & Testing Inc Test Report No. **HETI-00-1159**, dated April 24, 2000 and **HETI-00-889**, dated May 08, 2000, signed and sealed by Hector M. Medina, P.E. (Revised marked Dwgs submitted on 09/05/01)

C. CALCULATIONS

1. Anchor verification calculations, complying w/ FBC 2004, prepared by Engco, Inc., dated 11/08/05, signed and sealed by Pedro De Figueiredo, P.E. (transferred from file # 05-1205.01)
2. Anchor verification & structural performance calculations, dated 12/02/2000, prepared signed and sealed by Jose D. Mitrani, P. E. (transferred from file # 05-1205.01).
3. Glazing complies w/ ASTM E-1300-98 & ASTM E-1300-02

D. QUALITY ASSURANCE BY:

1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS (transferred from file # 05-1205.01)

1. Notice of Acceptance No.06-0216.06 for "Saflex, interlayer" issued to Solution Inc., expiring 05-21-2011.
2. Tensile test report No. HETI-00-4166 dated 8/ 2000 per ASTM E-8 for Zinc Tek anchor into aluminum, issued by Hurricane Engineering & Testing Inc, signed & sealed by Hector M. Medina, P.E.
3. Tensile test report No. HETI-00-T051 dated 10-10-2000 per ASTM E-8 for aluminum extrusion, issued by Hurricane Engineering & Testing Inc, signed and sealed by Hector M. Medina, P.E.

F. STATEMENTS (transferred from file # 05-1205.01)

1. Statement letter of conformance and "No financial interest", dated 11/07/05, signed & sealed Pedro De Figueiredo, P. E.
2. Statement letter of compliance, issued as part of test reports.

G. OTHER

1. This NOA **renews** NOA # **05-1205.01**, expired 01/17/07.

Ishaq I. Chanda
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 06-1211.10
Expiration Date: January 17, 2012
Approval Date: February 21, 2007

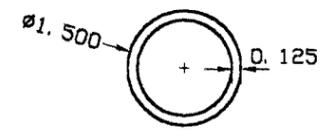
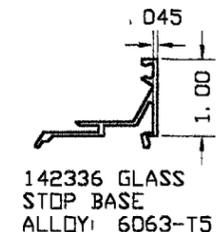
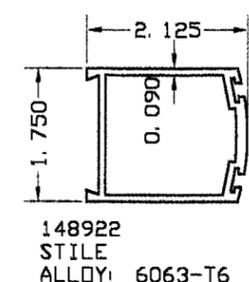
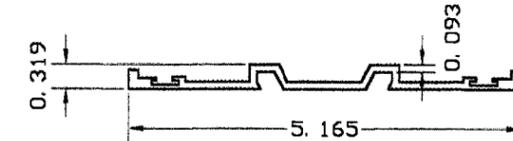
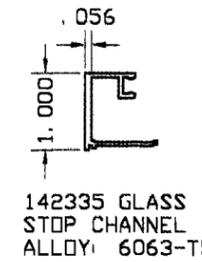
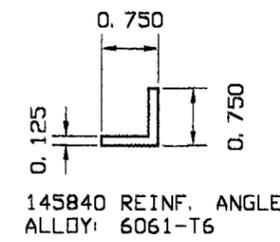
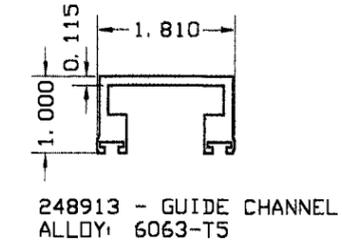
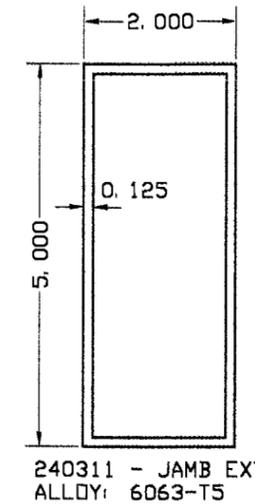
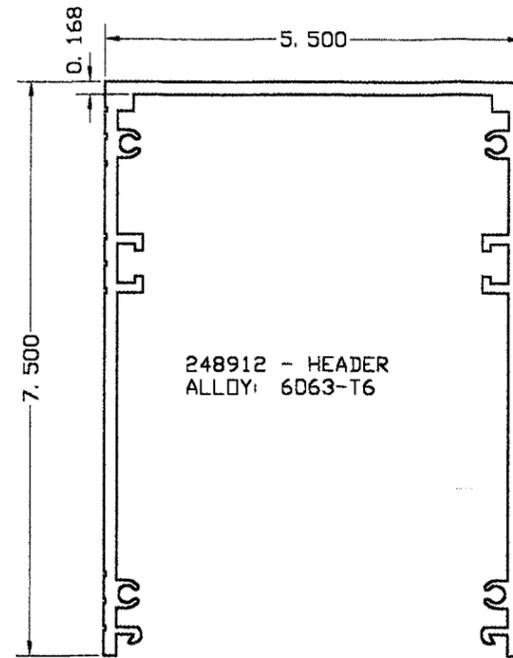
INDEX:

- SHEET 1 of 6 - GENERAL NOTES, DESIGN RATING AND DOOR COMPONENTS
- SHEET 2 of 6 - TYPICAL DOOR ELEVATION, FRAMING ANCHORAGE
- SHEET 3 of 6 - SECTION DETAILS
- SHEET 4 of 6 - SECTION DETAILS
- SHEET 5 of 6 - DOOR HARDWARE
- SHEET 6 of 6 - GLAZING DETAIL, BILL OF MATERIALS

GENERAL NOTES:

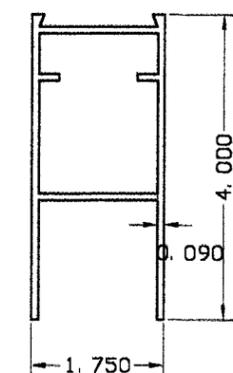
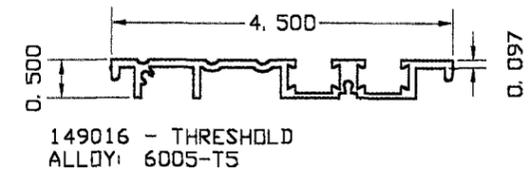
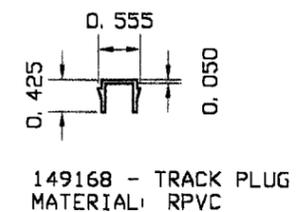
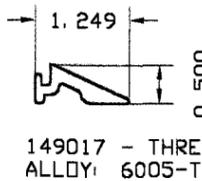
- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 ED.
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM LARGE MISSILE IMPACT RESISTANT AUTOMATIC SLIDING GLASS DOOR. PRODUCT CAN BE USED AT ANY ELEVATION WITHOUT HURRICANE PROTECTION SHUTTERS.
- 3- POSTING:
 - *SYSTEM GT 1400 - LARGE MISSILE IMPACT ALUMINUM AUTOMATIC BIFOLD GLASS DOORS
 - NABCO ENTRANCE INC.
 - MUSKEGO - WI
 - DADE COUNTY PRODUCT CONTROL APPROVED*
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE APPROVED PRESSURE.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED GLASS AS PER SHEET 6 OF 6 AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR SPACING AND LOADS MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
 - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
 - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
 - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.33 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

DOOR COMPONENTS

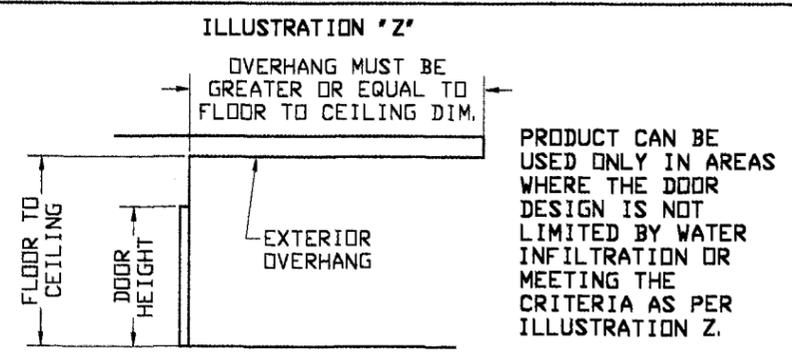


PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. 06-1211-10
 Expiration Date JAN 17, 2012
 By Ishag J. Chanda
 Miami Dade Product Control Division

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 05-1205-01
 Expiration Date JAN 17, 2007
 By Ishag J. Chanda
 Miami Dade Product Control Division



DOOR ALLOWABLE DESIGNED PRESSURES
 (SEE ILLUSTRATION "Z")
+50, -60 PSF
LARGE MISSILE IMPACT



MANUFACTURER:

GYRO TECH
 S82 W18717 GEMINI DRIVE P. O. BOX 906 MUSKEGO, WISCONSIN 53150
 PHONE: (877) 622-2694
 FAX: (262) 679-2505

PRODUCT:
 SYSTEM GT1400 BIFOLD-DOUBLE LEAF LARGE MISSILE IMPACT AUTOMATIC ALUMINUM BIFOLD GLASS DOOR

Engineering:
EngCo Inc.
 CA 8116
 6971 W. SUNRISE BLVD. 104 PLANTATION, FL. 33313
 TEL.: (954) 585-0304
 FAX.: (954) 585-0305

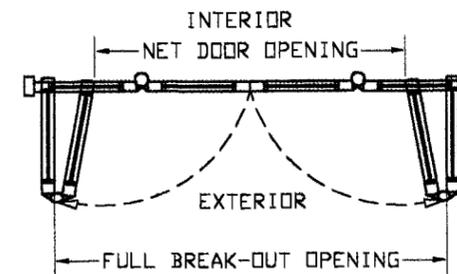
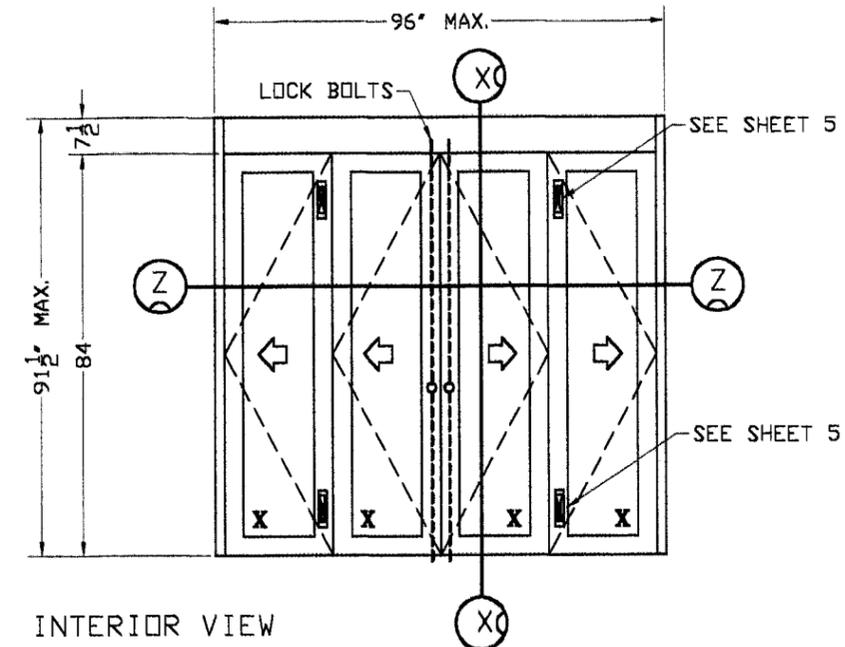
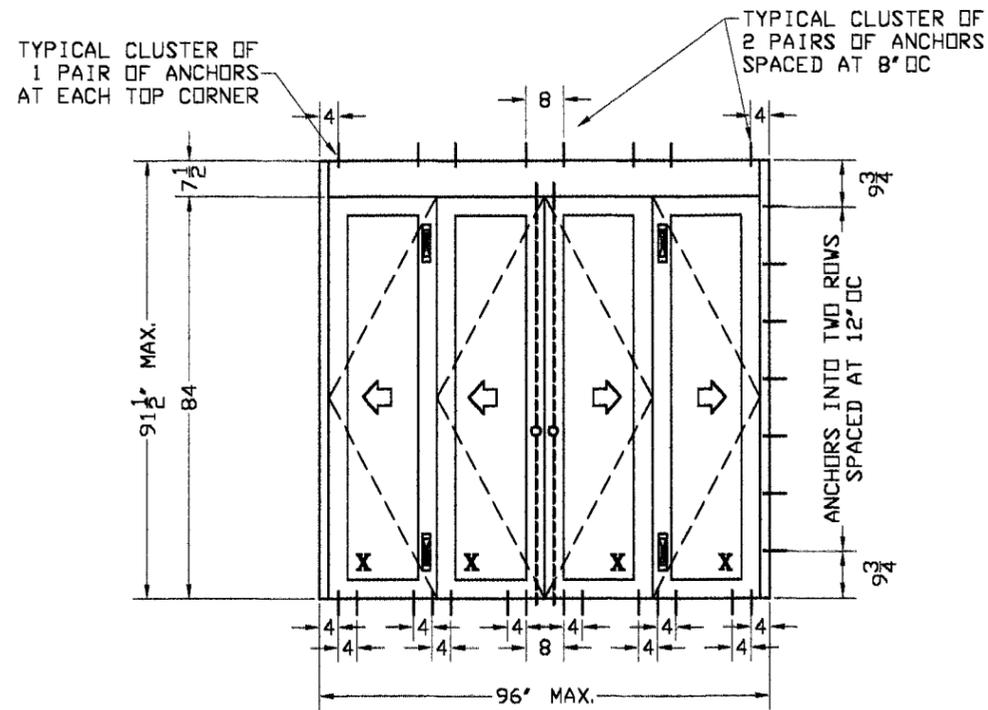
MAR 13 2006
 Engineer Seal
 Pedro De Figueiredo
 PE 52609

Date: 10/18/05
 Scale: NA
 Design by: PPMF

Drawing Number
05-342

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TYPICAL ELEVATION AND ANCHORAGE SPACING



SECTION X - SHEET 3 OF 6
SECTION Z - SHEET 4 OF 6

ANCHOR TYPES:	LOCATION
A- 1/4" ITW TAPCON BY BUILDEX WITH 1 3/4" MIN. EMBEDMENT INTO 3192 psi CONCRETE	ALL
B- 1/4" ITW TAPCON BY BUILDEX WITH 1 1/2" MIN. EMBEDMENT INTO WOOD (SG) = 55	HEADER & JAMBS
C- 1/4-14 ZINC TEK SCREW BY BROWARD BOLT INTO 1/8" MIN. 6063-T5 ALUMINUM	HEADER & JAMBS
D- 1/4-14 ZINC TEK SCREW BY BROWARD BOLT INTO 1/8" MIN. A36 STEEL	HEADER & JAMBS

ANCHOR NOTES:
1- SEE ELEVATION FOR ANCHOR SPACING AND QUANTITY.
2- USE 2 1/2" MINIMUM EDGE DISTANCE FOR ANCHORS INTO CONCRETE
3- USE 3/4" MINIMUM EDGE DISTANCE FOR ANCHOR INTO METAL
4- USE 1" MINIMUM EDGE DISTANCE FOR ANCHOR INTO WOOD
5- MINIMUM EMBEDMENT IS BEYOND WALL DRESSING.

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Miami Dade Product Control
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Acceptance No. 05-1205.01
Expiration Date JAN 17, 2007
By Ishaq I. Chaudhry
Miami Dade Product Control
Division

MANUFACTURER:



S82 W18717 GEMINI
DRIVE P. O. BOX 906
MUSKEGO, WISCONSIN
53150
PHONE: (877) 622-2694
FAX: (262) 679-2505

PRODUCT:
SYSTEM GT1400
BIFOLD-DOUBLE LEAF
LARGE MISSILE IMPACT
AUTOMATIC ALUMINUM
BIFOLD GLASS DOOR

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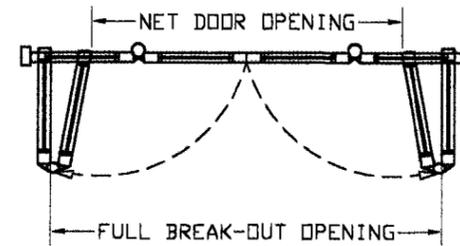
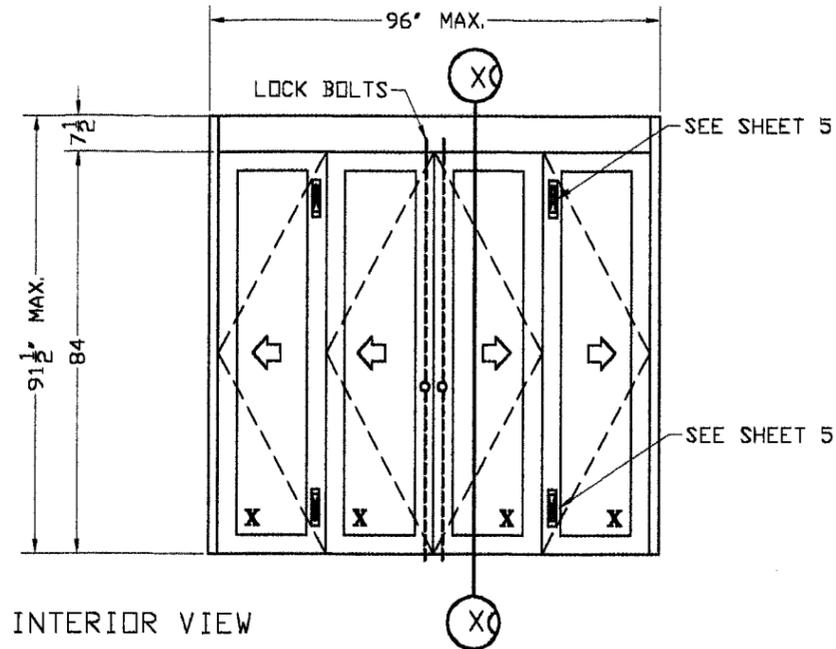
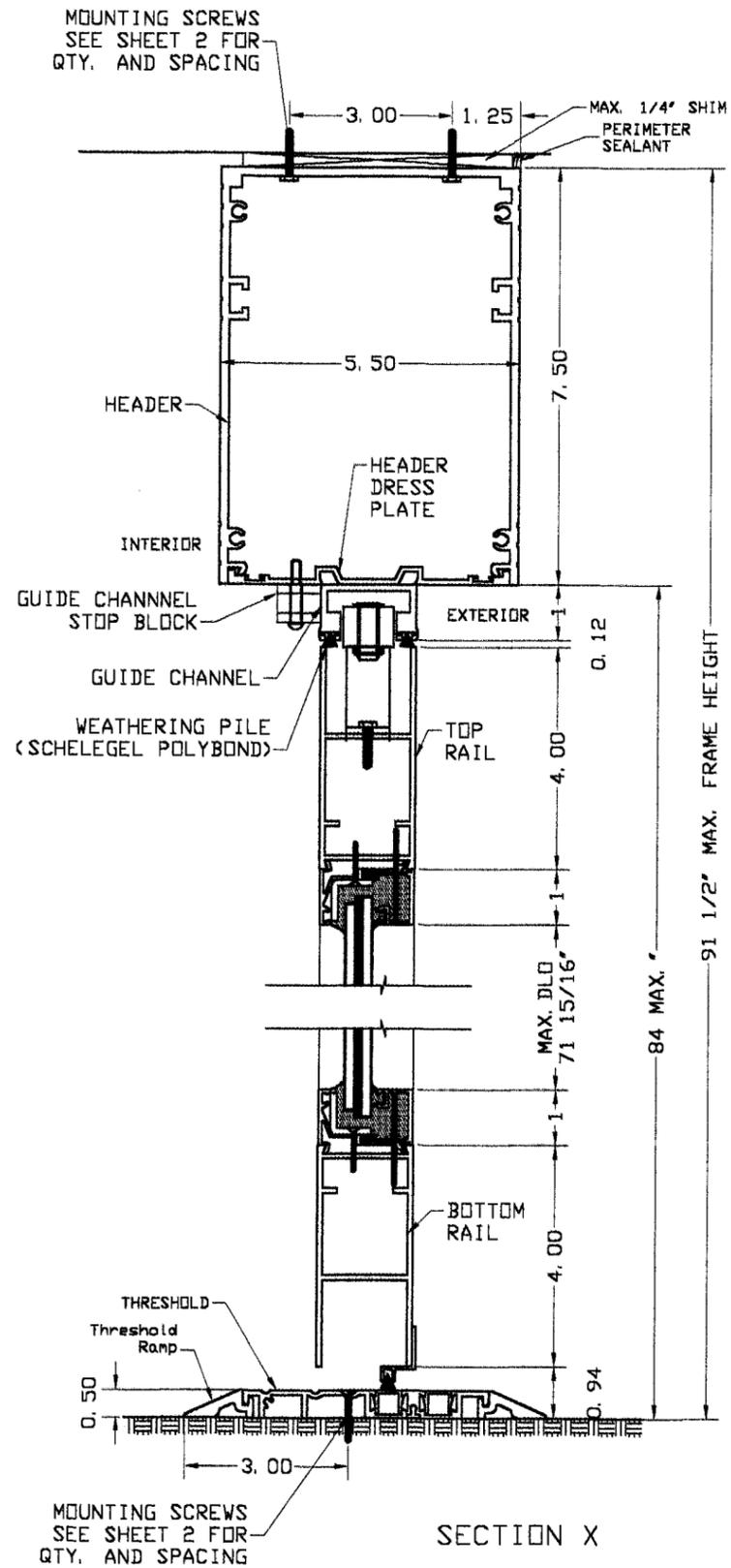
MAR 13 2006
Engineer Seal
Pedro De Figueiredo
PE 52609

Date: 10/18/05
Scale: NA
Design by: PPMF

Drawing Number
05-342

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TYPICAL VERTICAL SECTION "X"



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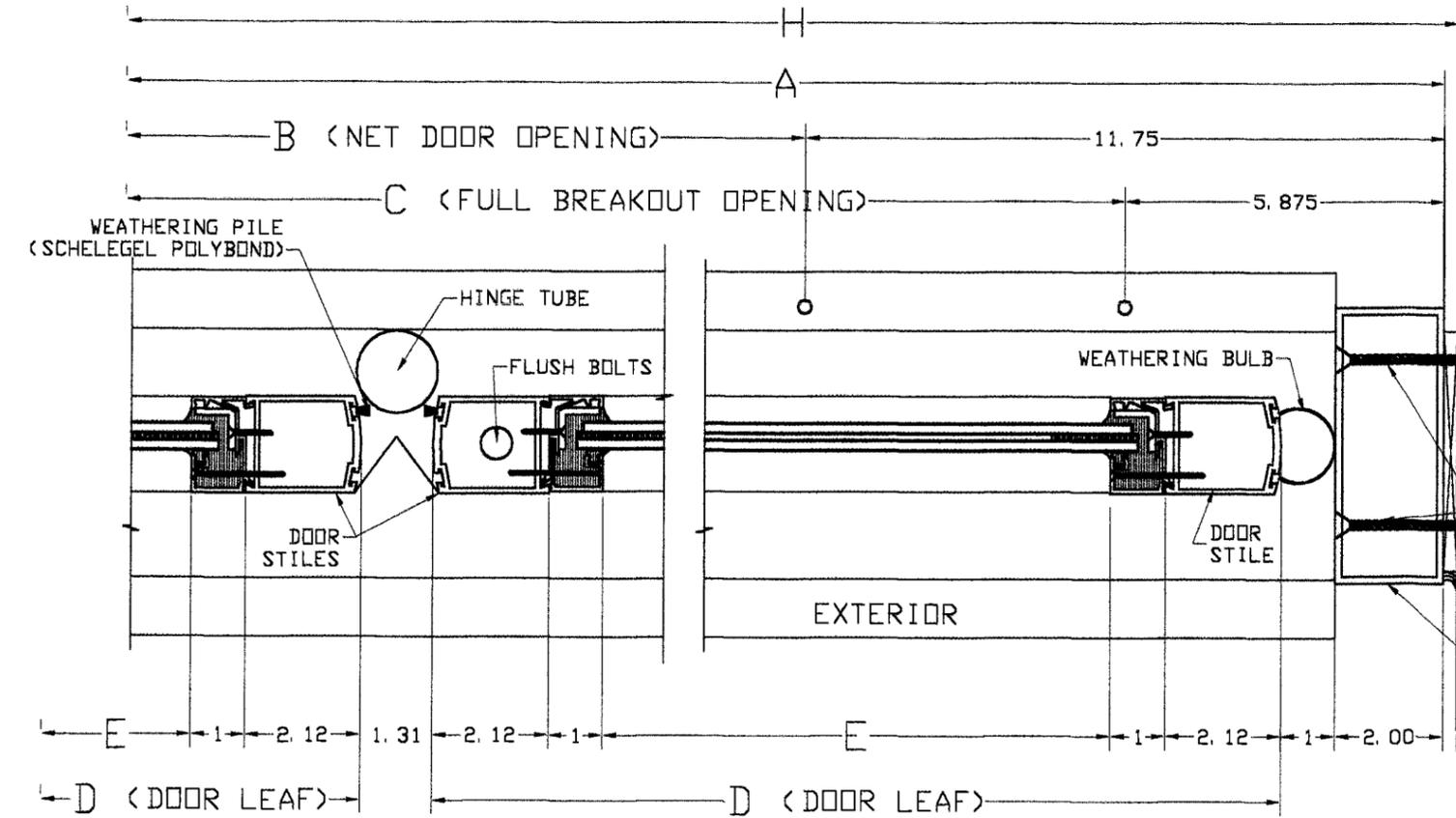
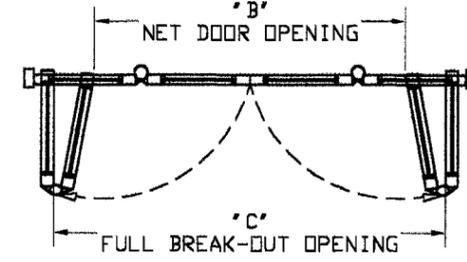
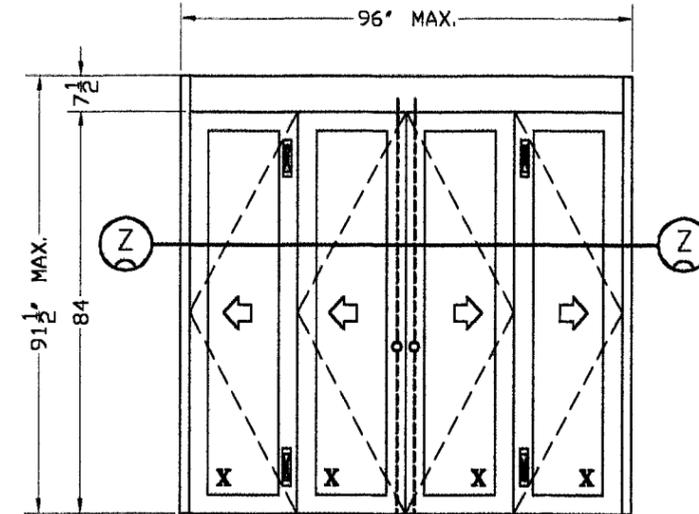
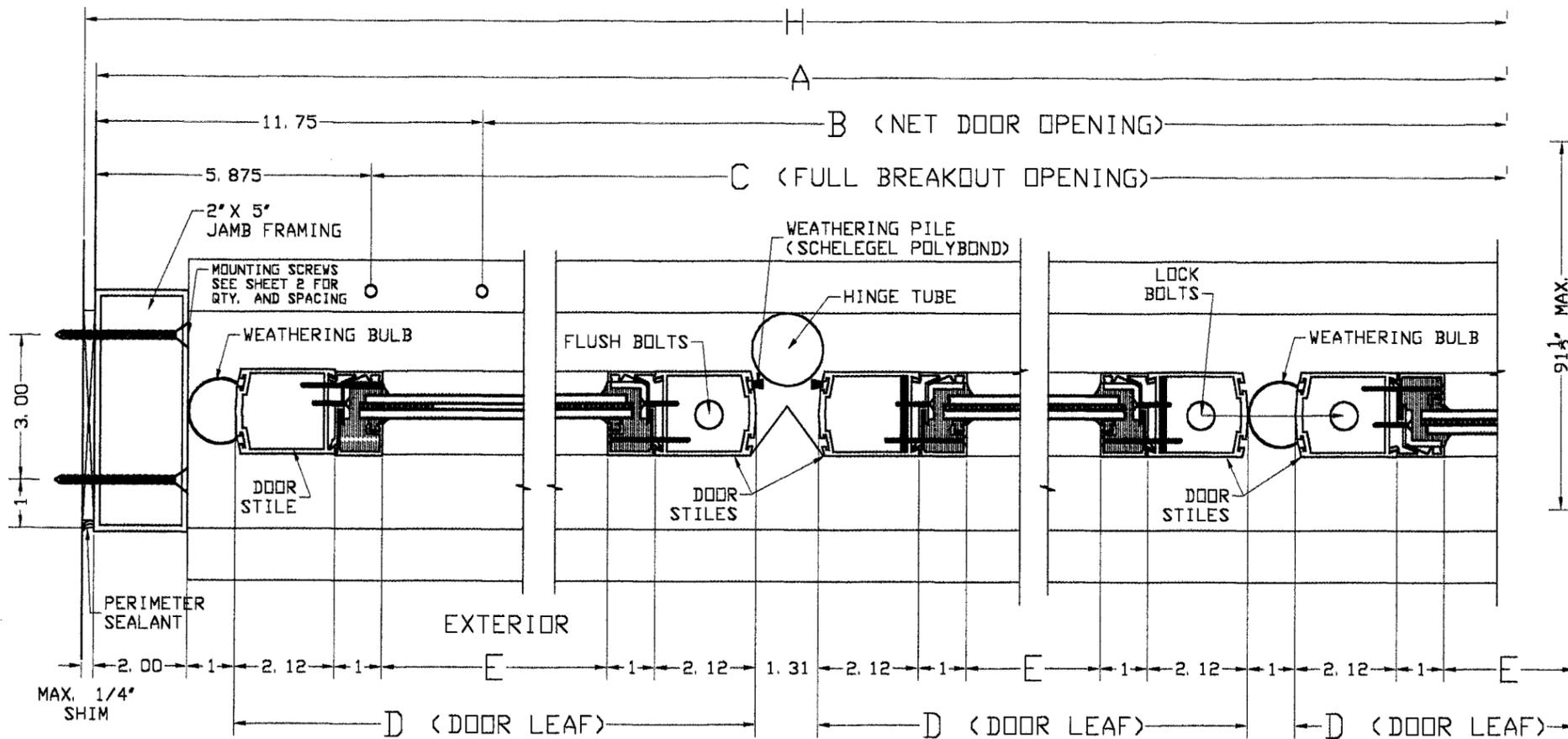
Engineer Seal
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PE 52609

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Scale: NA
Design by: PPMF

Drawing Number
05-342

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3 of 6

TYPICAL HORIZONTAL SECTION "Z"



TYPE	DIMENSIONS (INCHES)					
	A	B	C	D	E	H
	UNIT WIDTH	NET DOOR OPENING	NET BREAKOUT OPENING	DOOR PANEL WIDTH	DAYLIGHT OPENING WIDTH	ROUGH OPENING
MIN.	69.5"	46.0"	57.75"	15.0"	8.7"	70.0"
MAX.	96.0"	72.5"	84.25"	21.6"	15.3"	96.5"

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 26-1211.10
 Expiration Date: JAN 17, 2012
 By: Iskaq I. Chaudhry
 Miami State Product Control
 Division

PRODUCT REVISED
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 Acceptance No. 05-1205.01
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 By: Iskaq I. Chaudhry
 Miami State Product Control
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MANUFACTURER:
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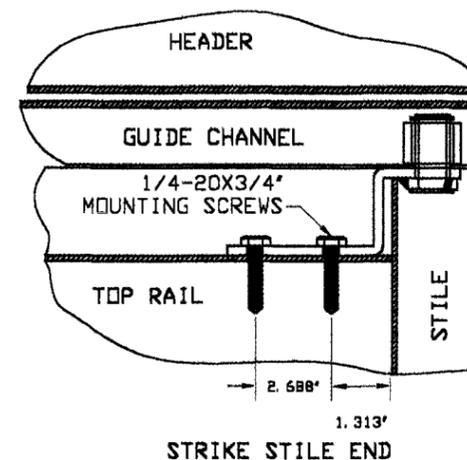
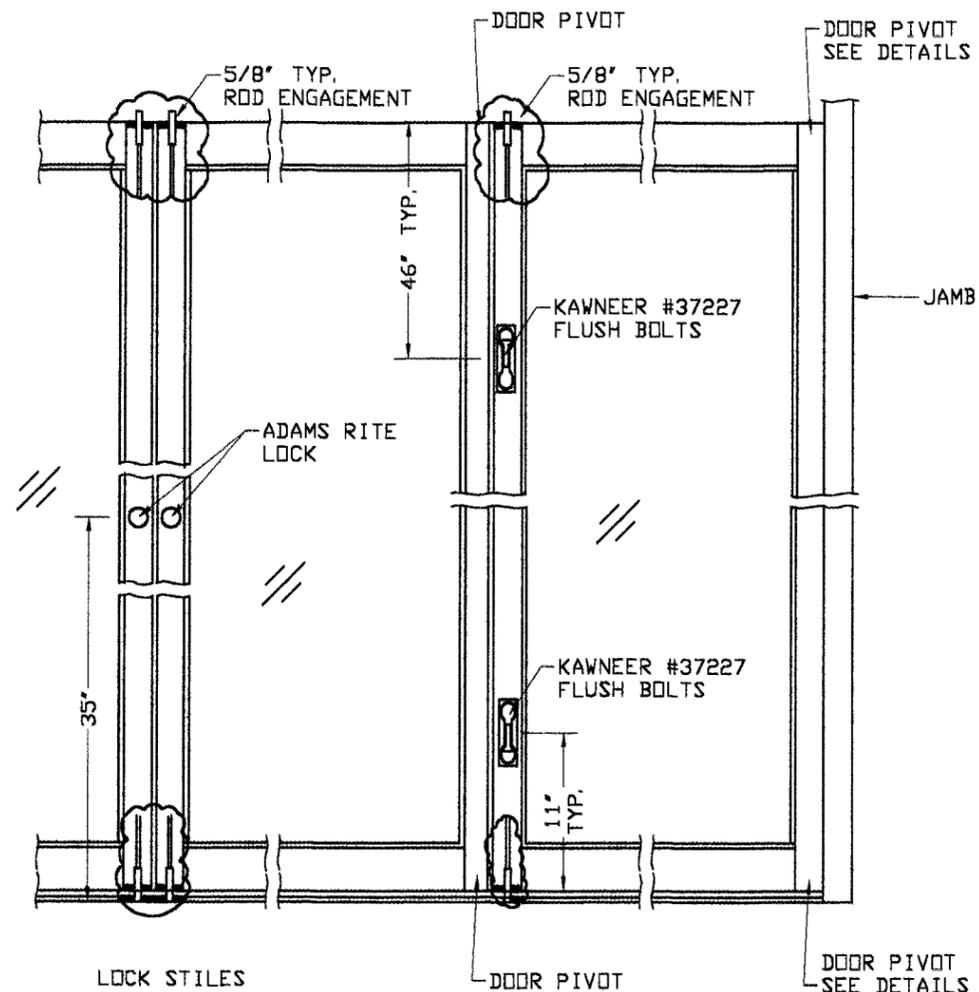
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Date: 10/18/05
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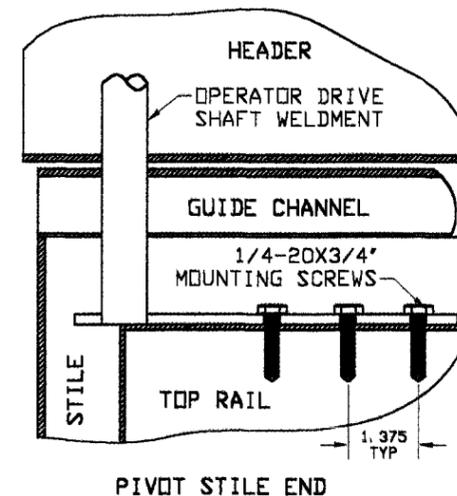
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05-342

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 4 of 6

TYPICAL DOOR HARDWARE

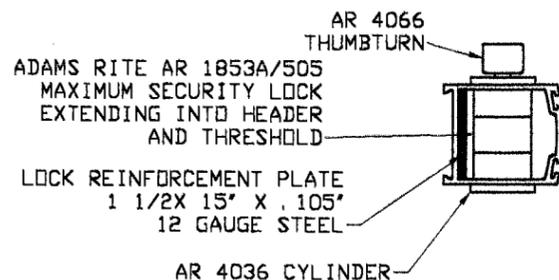


DOOR PIVOT DETAILS

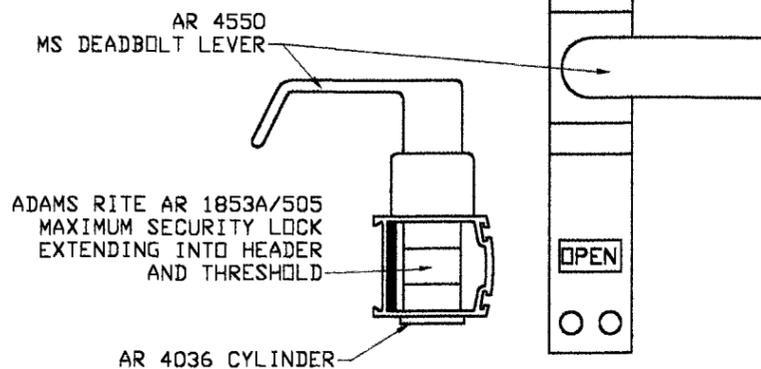


PIVOT STILE END

STANDARD LOCK DETAIL



ALTERNATE LOCK DETAIL



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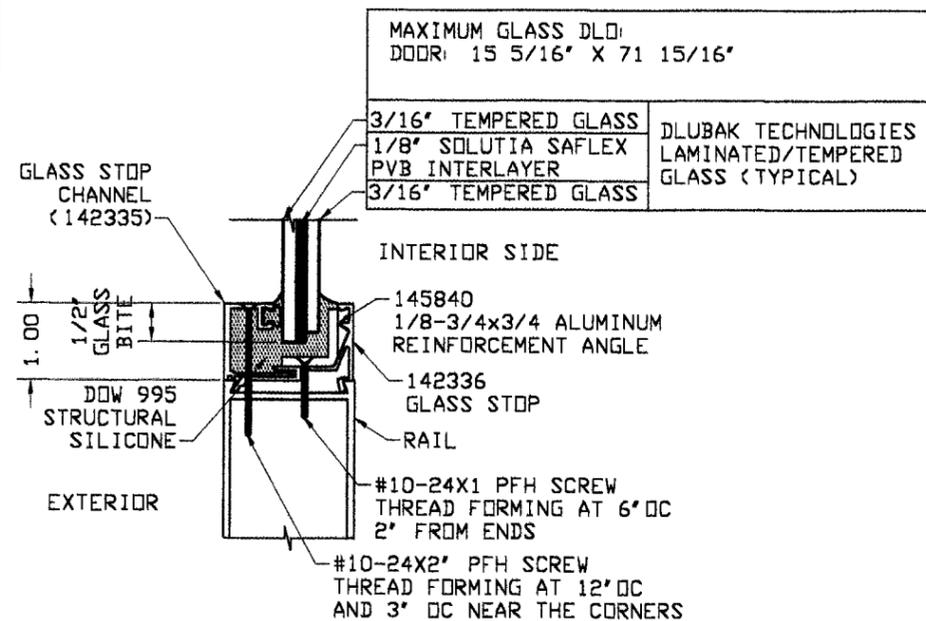
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Design by: PPMF

Drawing Number
05-342

Sheet
5 of 6

**TYPICAL GLAZING DETAIL
ENTIRE PERIMETER ALL LITES**



MATERIAL LIST

DESCRIPTION	NABCO PART#	COMPOSITION	MANUFACTURER
HEADER	248912	6063-T6	W. L. BONNEL CO.
GUIDE CHANNEL	248913	6063-T5	W. L. BONNEL CO.
HEADER DRESS PLATE	240129	6063-T5	W. L. BONNEL CO.
STILE	148922	6063-T6	W. L. BONNEL CO.
HINGE TUBE	148957	6063-T5	W. L. BONNEL CO.
RAIL	149085	6063-T6	W. L. BONNEL CO.
JAMB	240311	6063-T5	W. L. BONNEL CO.
THRESHOLD	149016	6005-T5	W. L. BONNEL CO.
THRESHOLD RAMP	149017	6005-T5	W. L. BONNEL CO.
GLASS STOP BASE	142336	6063-T5	W. L. BONNEL CO.
GLASS STOP CHANNEL	142335	6063-T5	W. L. BONNEL CO.
ANGLE	145840	6061-T6	W. L. BONNEL CO.

MANUFACTURER:



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Date: 10/18/05
Scale: NA
Design by: PPMF

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-1211-10
Expiration Date JAN 17, 2012

By Ishaq I. Chauda
Miami Dade Product Control
Division

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 05-1205-01
Expiration Date JAN 17, 2007

By Ishaq I. Chauda
Miami Dade Product Control
Division

Drawing Number
05-342

Sheet
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