



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**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 and accepted by Miami-Dade County PERA -Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 the High Velocity Hurricane Zone.

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

**APPROVAL DOCUMENT:** Drawing No. **11-213**, titled "System GT 1400 Bifold-Double Leaf", sheets 1 through 7 of 7, prepared by Engco, Inc., dated 10/14/11 and last revised on DEC 27, 2011, signed and sealed by Pedro De Figueiredo, P.E., 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 Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**Limitations:**

1. Max. panel size not to exceed 22-1/2" W X 83" H.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series 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 **revises & renews NOA # 06-1211.10** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

12/29/11



**NOA No 11-1115.05**  
**Expiration Date: January 17, 2013**  
**Approval Date: January 05, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (transferred from file # **06-1211.10**)
2. Drawing No. **11-213**, titled "System GT 1400 Bifold-Double Leaf", sheets 1 through 7 of 7, prepared by Engco, Inc., dated 10/14/11 and last revised on DEC 27, 2011, signed and sealed by Pedro De Figueiredo, P.E.

**B. TESTS** (transferred from file # **06-1211.10**) 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, addendum letters dated April 18, 2006 and April 24, 2006, issued by HETI, signed & sealed by Ms. Ivon Ghia, P. E. and Hector M. Medina, P.E., respectively)

**C. CALCULATIONS**

1. Statement letters of conformance to FBC 2007 & FBC 2010, dated NOV 09, 2011, prepared by Engco, Inc., signed and sealed by Pedro De Figueiredo, P.E.
2. 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 & file # **06-1211.10**).
3. Glazing complies w/ ASTM-1300-02 & 04.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

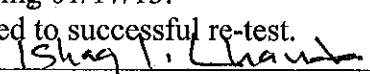
1. Notice of Acceptance NOA #**11-0325.05** issued to Solutia, Inc. for "Saflex, clear & color interlayer", expiring on 05-21-2016.
2. Tensile test report No. HETI-00-4166 dated 8/ 2000 per ASTM E-8 for Zinc Tek anchor into aluminum, issued by Hurricane Engineering & Testing Inc, signed & sealed by Hector 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**

1. Statement letters of conformance to FBC 2007 & FBC 2010, dated OCT 28, 2011 and "No financial interest dated Nov 09, 2011, prepared by Engco, Inc., signed & sealed by Pedro De Figueiredo, P.E.
2. Statement letter dated 11/11/11, issued by Architectural testing of pending schedule test by Nabco, signed & sealed by Joseph A. Reed, P. E.
3. Addendum letter to test reports **HETI-00-888** and **HETI-00-889**, dated April 18, 2006, issued by HETI, signed & sealed by Ms. Ivon Ghia, P. E.

**G. OTHER**

1. This NOA **revises & renews NOA # 06-1211.10**, expiring 01/17/13.
2. Conditional one year, Non-renewable approval, subjected to successful re-test.

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 11-1115.05  
Expiration Date: January 17, 2013  
Approval Date: January 05, 2012

# SYSTEM GT 1400

AUTOMATIC ALUMINUM BIFOLD GLASS DOOR  
LARGE AND SMALL IMPACT RESISTANT  
RATED: +50, -60 PSF

MANUFACTURER:



**GYRO TECH**

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

PRODUCT:

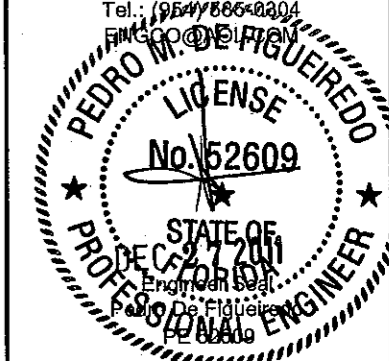
**SYSTEM GT1400**

BIFOLD-DOUBLE LEAF  
LARGE MISSILE IMPACT  
AUTOMATIC ALUMINUM BIFOLD  
GLASS DOOR

ENGINEERING:

**EngCo Inc.**

CA 8116  
5595 ORANGE DR. 201  
DAVIE, FL. 33314  
Tel.: (954) 886-0204



MIAMI-DADE BCCO:

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 11-1115-05  
Expiration Date 01/17/2013  
By: *[Signature]*  
Miami Dade Product Control

Date: 10/14/2011  
Scale: NA  
Design by: PPMF

Drawing Number  
**11-213**

Sheet  
**1 of 7**

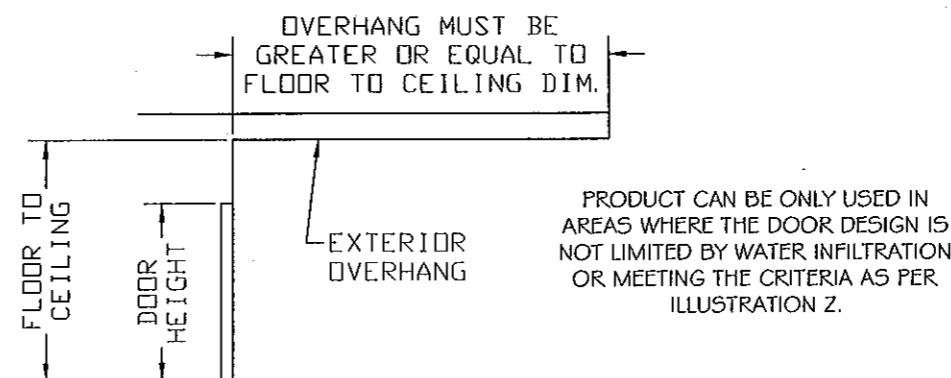
## GENERAL NOTES:

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007/2010 EDITIONS INCLUDING THE HIGH VELOCITY HURRICANE ZONES (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM IMPACT RESISTANT (LARGE & SMALL MISSILE) AUTOMATIC SLIDING GLASS DOOR. THIS PRODUCT CAN BE USED AT ANY ELEVATION WITHOUT HURRICANE PROTECTION SHUTTERS.
- 3- POSTING:  
"SYSTEM GT 1400 - LARGE MISSILE IMPACT  
AUTOMATIC ALUMINUM 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 APPROVED PRESSURE RATING. (+50,-60 PSF)
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED GLASS AS PER SHEET A3 AS SPECIFIED ON THIS APPROVAL. DISSIMILAR MATERIALS THAT COME IN CONTACT WITH DOOR FRAMING SHALL MEET THE REQUIREMENTS OF THE FBC SECTION 2003.8.4.
- 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- LIMITATION: DOORS ARE NOT TO BE USED WHERE WATER INFILTRATION REQUIREMENT MUST BE MET, EXCEPT IN LOCATIONS IN COMPLIANCE WITH ILLUSTRATION "Z" IN THIS PAGE.

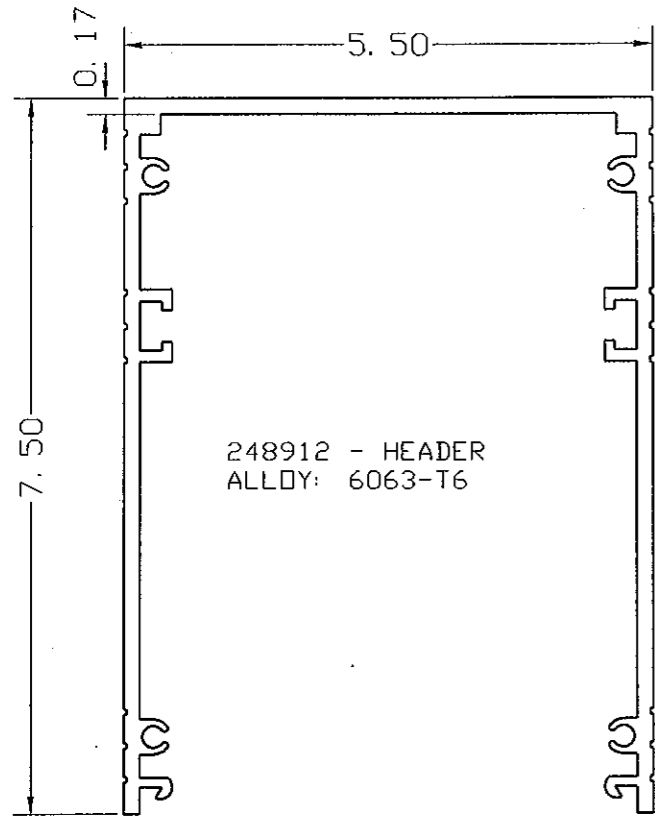
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6-7	SECTION DETAILS
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TOTAL # OF SHEETS: 7	

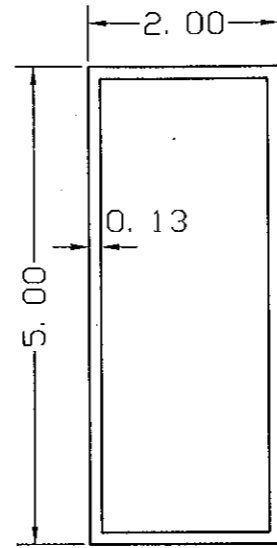
ILLUSTRATION "Z"



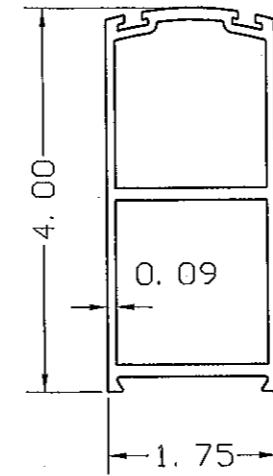
DOOR COMPONENTS



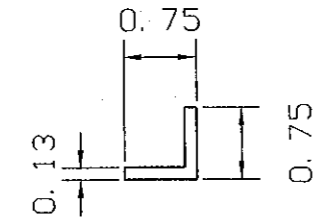
248912 - HEADER  
ALLOY: 6063-T6



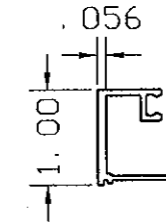
20311 - JAMB EXT.  
ALLOY: 6063-T5



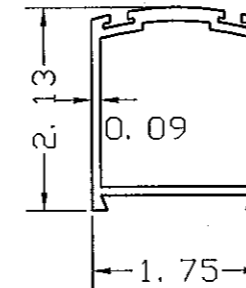
1413289  
4" STILE  
ALLOY: 6063-T6



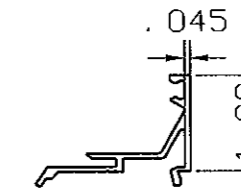
145840 REINF. ANGLE  
ALLOY: 6061-T6



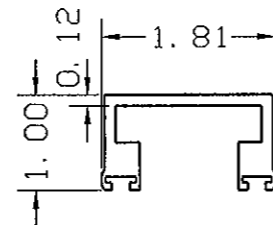
142335 GLASS  
STOP CHANNEL  
ALLOY: 6063-T5



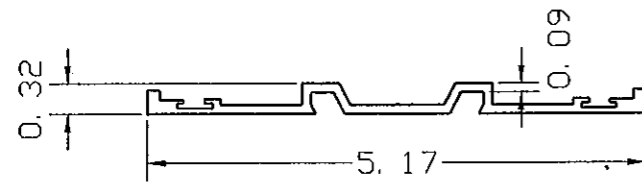
148922  
STILE  
ALLOY: 6063-T6



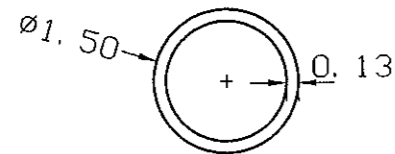
142336 GLASS  
STOP BASE  
ALLOY: 6063-T5



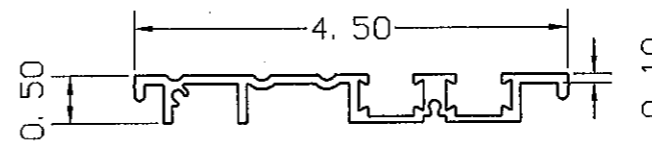
248913 - GUIDE CHANNEL  
ALLOY: 6063-T5



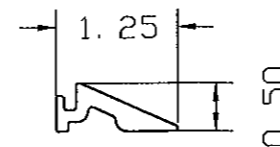
240129 - HEADER DRESS PLATE  
ALLOY: 6063-T5



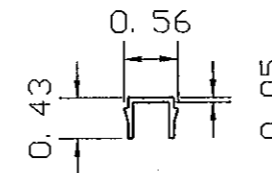
148957 - HINGE TUBE  
ALLOY: 6063-T5



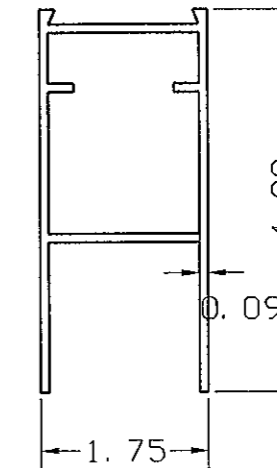
149016 - THRESHOLD  
ALLOY: 6005-T5



149017 - THRESHOLD RAMP  
ALLOY: 6005-T5



149168 - TRACK PLUG  
MATERIAL: RPVC



149085  
TOP & BOTTOM RAIL  
ALLOY: 6063-T6

MANUFACTURER:



GYRO TECH

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

PRODUCT:

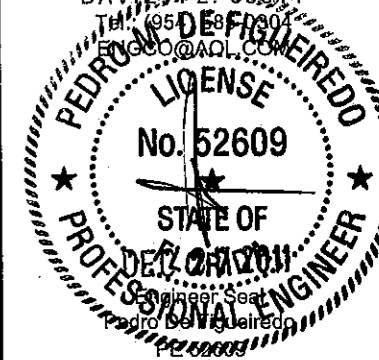
SYSTEM GT1400

BIFOLD-DOUBLE LEAF  
LARGE MISSILE IMPACT  
AUTOMATIC ALUMINUM BIFOLD  
GLASS DOOR

ENGINEERING:

EngCo Inc.

CA 8116  
5595 ORANGE DR. 201  
DAVIE, FL 33314  
TEL: (954) 881-9904  
ENGCO@AOL.COM



MIAMI-DADE BCCO:

PRODUCT RENEWED  
in compliance with the Florida  
Building Code  
Acceptance No. 11-1115.05  
Expiration Date 1/17/12  
By: [Signature]  
Miami Dade Product Control

Date: 10/14/2011  
Scale: NA  
Design by: PPMF

Drawing Number  
11-213

Sheet  
2 of 7

MANUFACTURER:



**GYRO TECH**

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 P.O. BOX 906 MUSKEGO,  
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 PHONE: (877) 622-2694  
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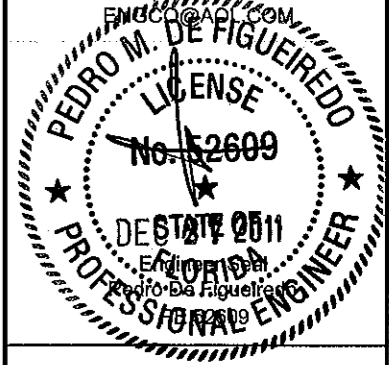
**SYSTEM GT1400**

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ENGINEERING:

**EngCo Inc.**

CA 8116  
 5595 ORANGE DR. 201  
 DAVIE, FL. 33314  
 Tel.: (954) 585-0304  
 ENCCO@AOL.COM



MIAMI-DADE BCCO:

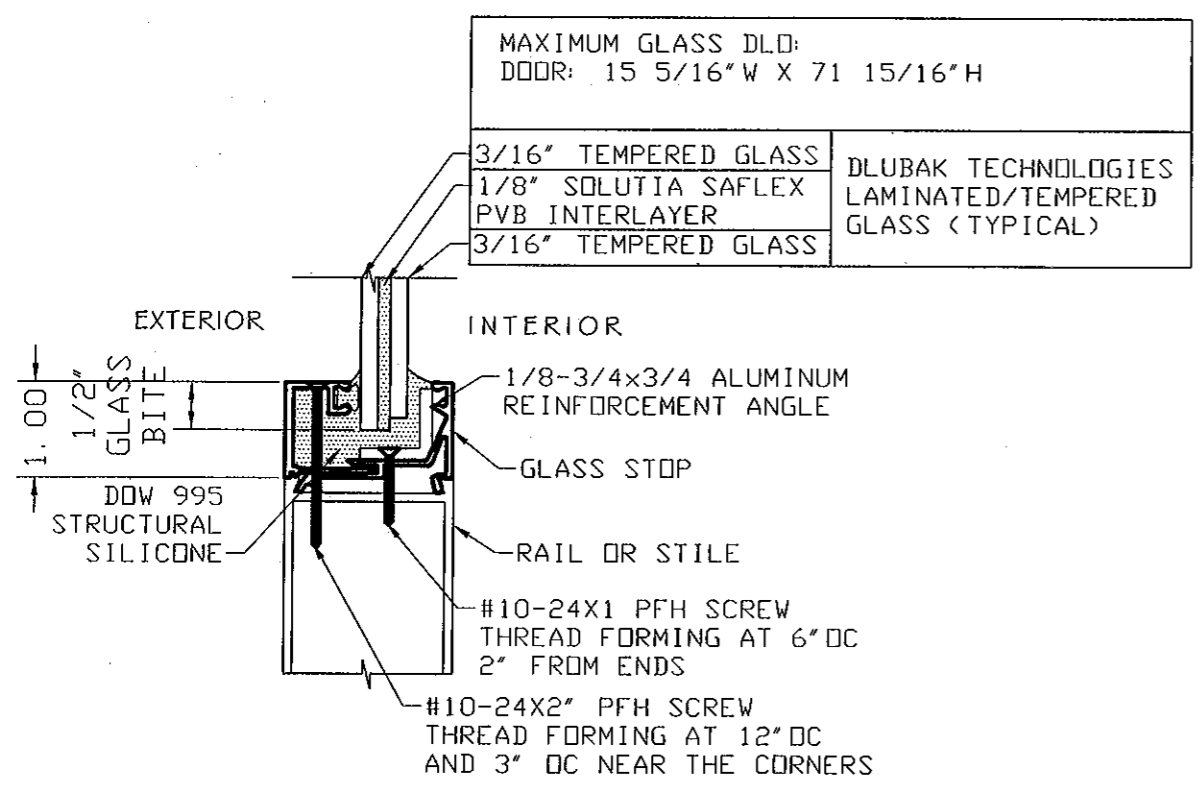
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 as complying with the Florida  
 Building Code  
 Acceptance No. 11-1115.05  
 Expiration Date 11/21/13  
 By: *Shas I. Chand*  
 Miami Dade Product Control

Date: 10/14/2011  
 Scale: NA  
 Design by: PPMF

Drawing Number  
**11-213**

Sheet  
**3 of 7**

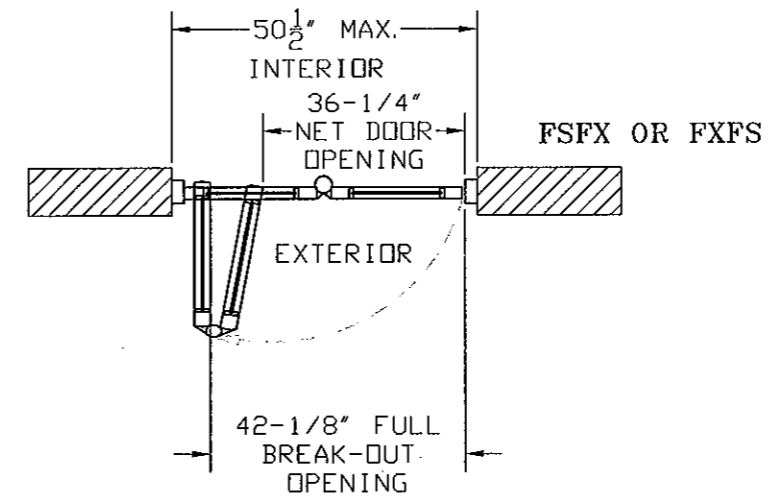
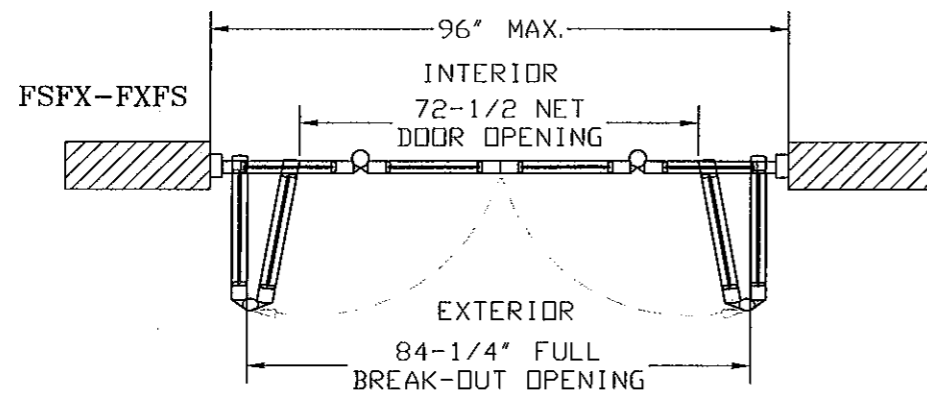
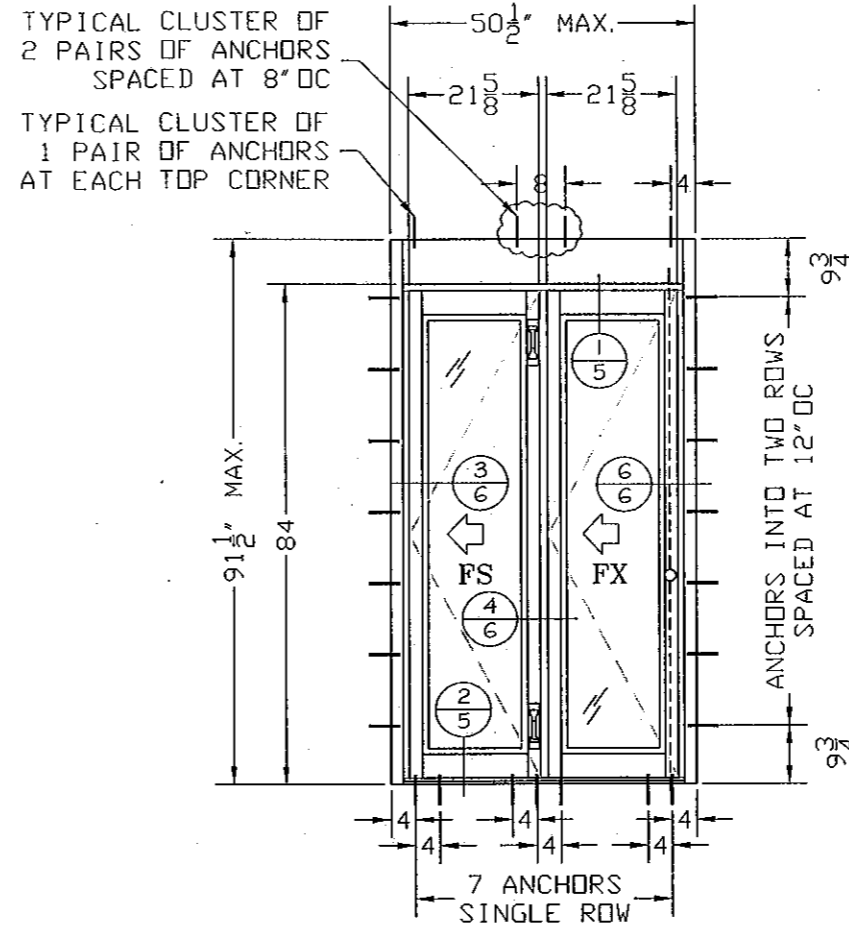
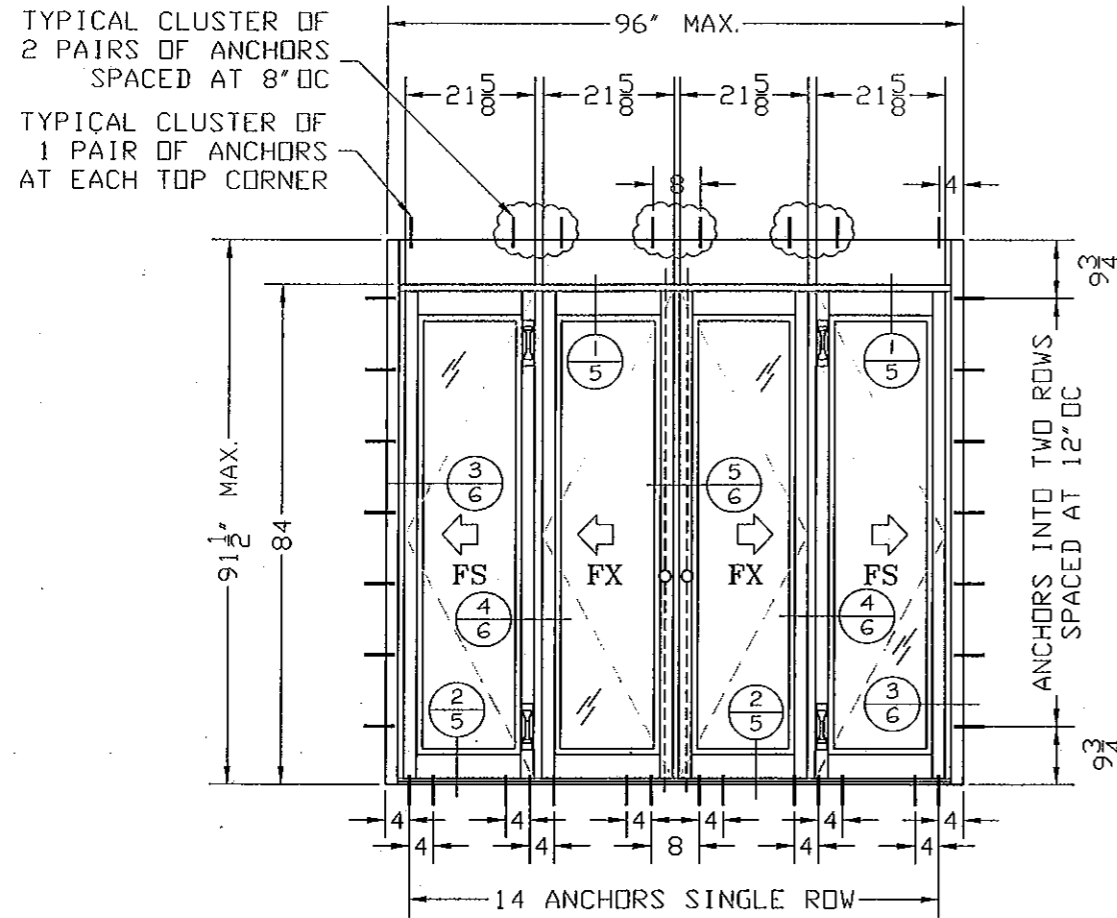
TYPICAL GLAZING DETAIL  
 ENTIRE PERIMETER ALL LITES



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.
4" STILE	1413289	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.

# TYPICAL ELEVATION, FLOOR PLAN AND ANCHORAGE SPACING



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.

MANUFACTURER:



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

PRODUCT:

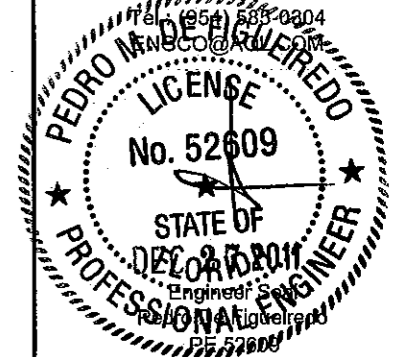
**SYSTEM GT1400**

BIFOLD-DOUBLE LEAF  
 LARGE MISSILE IMPACT  
 AUTOMATIC ALUMINUM BIFOLD  
 GLASS DOOR

ENGINEERING:

**EngCo Inc.**

CA 8116  
 5595 ORANGE DR. 201  
 DAVIE, FL 33314  
 Tel: (954) 585-0804  
 Email: ENGCO@AOL.COM



MIAMI-DADE BCCO:

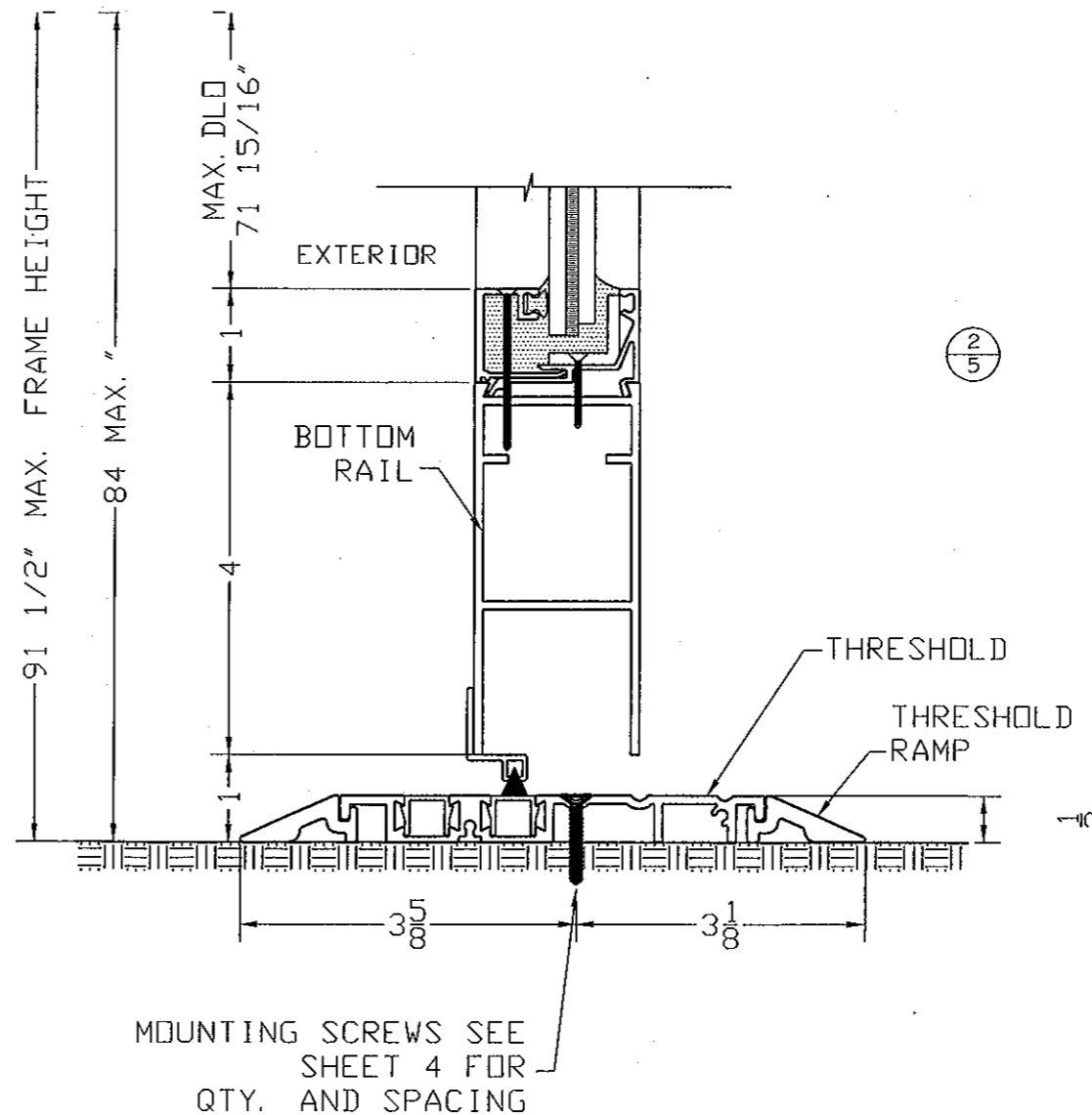
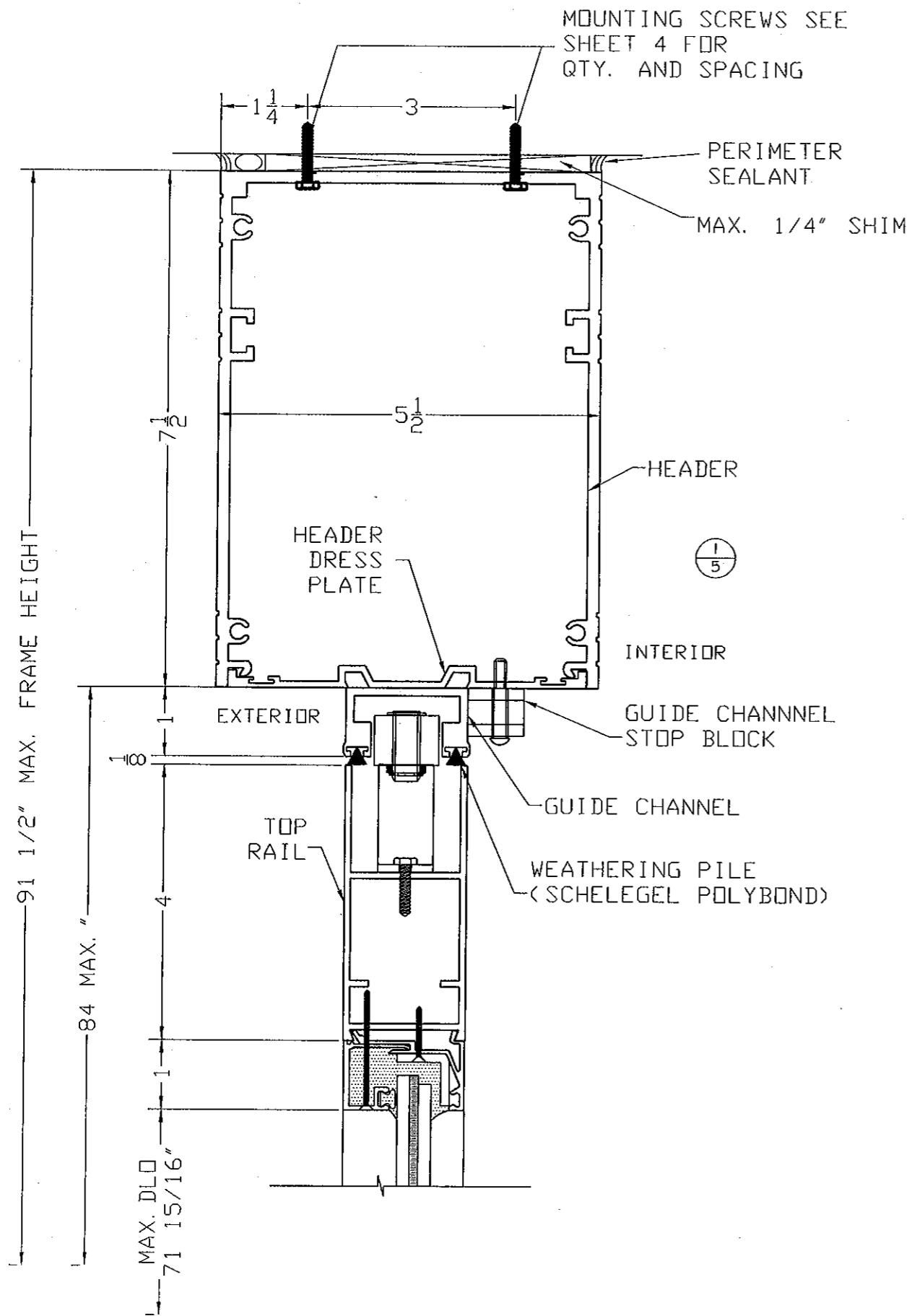
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 11-115.05  
 Expiration Date 01/17/13  
 By: *Ismael I. Chaves*  
 Miami Dade Product Control

Date: 10/14/2011  
 Scale: 1:3/8  
 Design by: PPMF

Drawing Number  
**11-213**

Sheet  
**4 of 7**

SECTION DETAILS



MANUFACTURER:



**GYRO TECH**

S82 W18717 GEMINI DRIVE  
P.O. BOX 906 MUSKEGO,  
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PHONE: (877) 622-2694  
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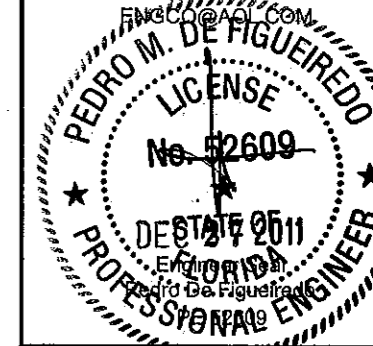
**SYSTEM GT1400**

BIFOLD-DOUBLE LEAF  
LARGE MISSILE IMPACT  
AUTOMATIC ALUMINUM BIFOLD  
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MIAMI-DADE BCCO:

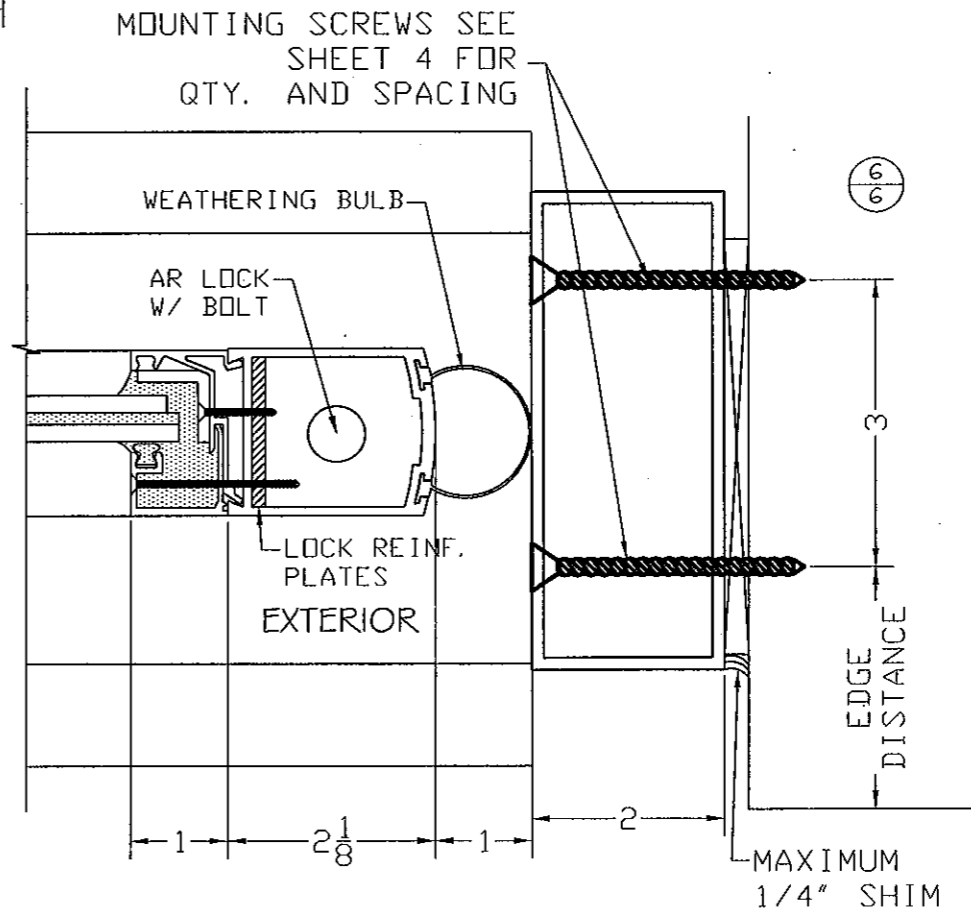
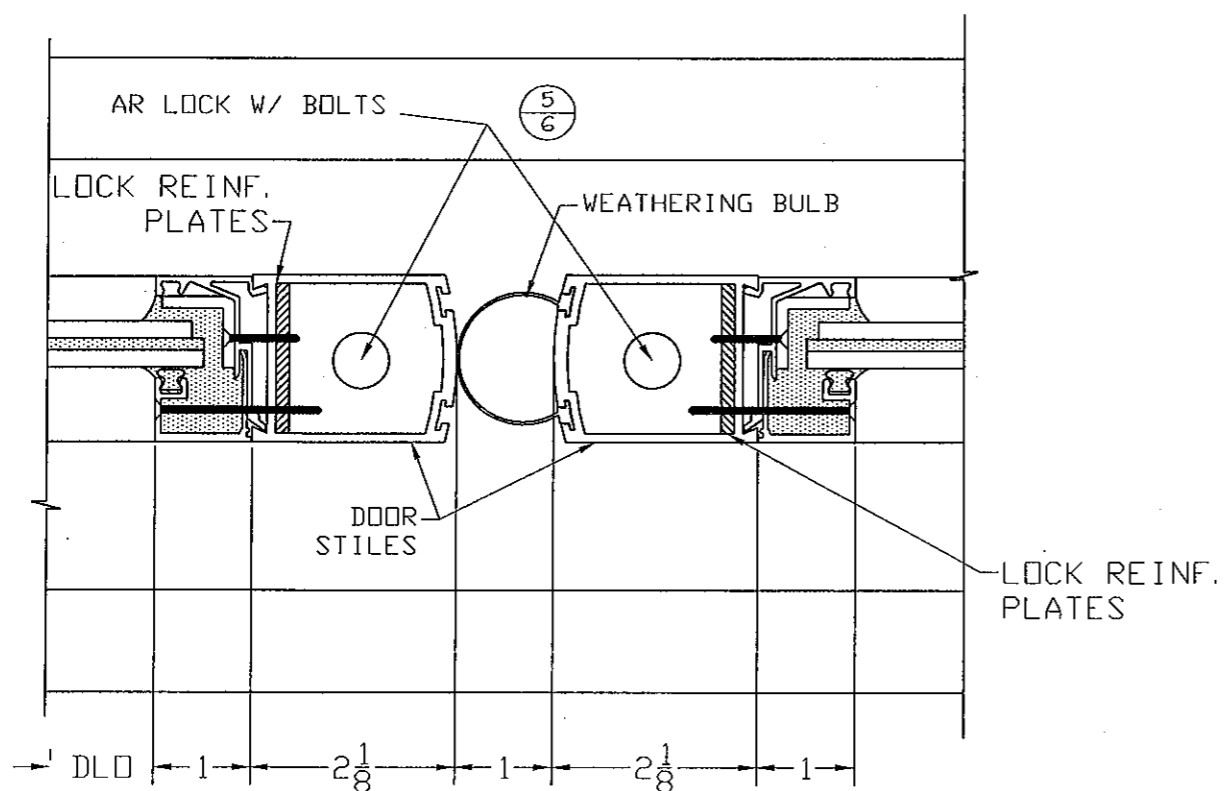
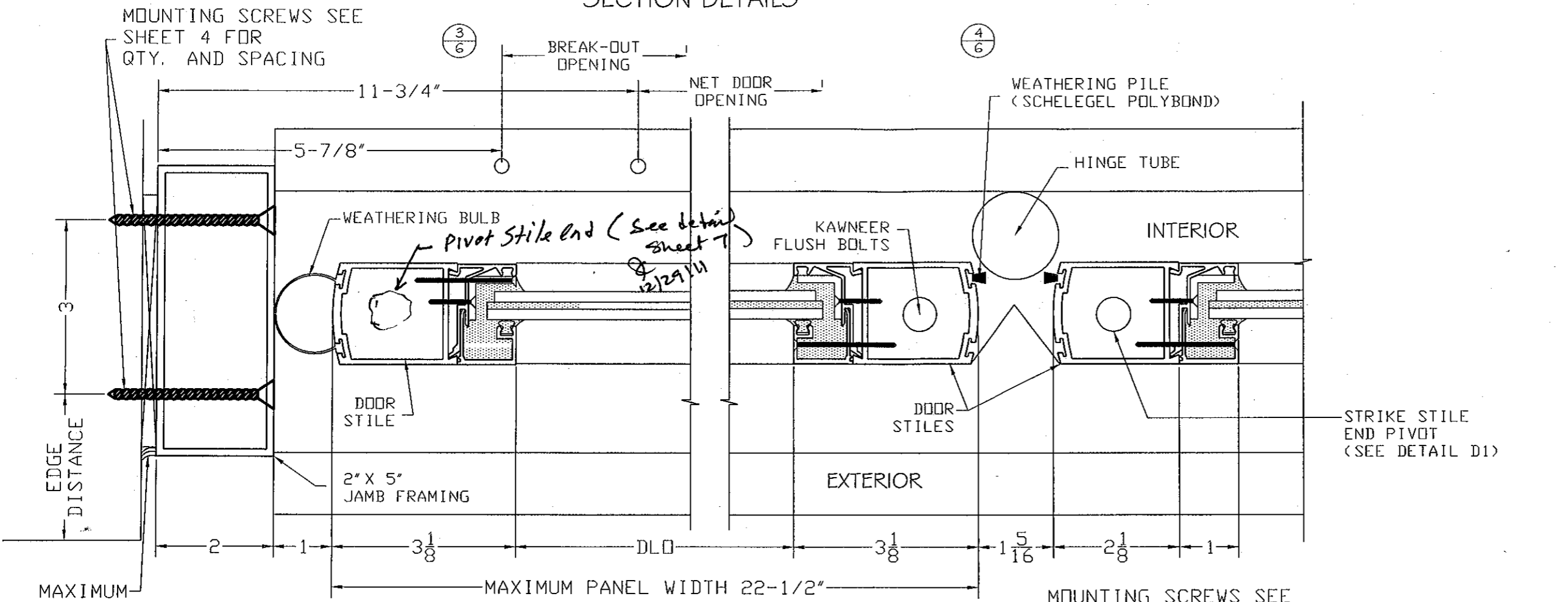
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 11-1115.05  
Expiration Date 1/17/13  
By *164-9116*  
Miami Dade Product Control

Date: 10/14/2011  
Scale: 1:1/2  
Design by: PPMF

Drawing Number  
**11-213**

Sheet  
**5 of 7**

SECTION DETAILS



MANUFACTURER:

**NABCO**

**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  
5595 ORANGE DR. 201  
DAVIE, FL 33314  
Tel: (954) 585-0304  
ENRCD@AOL.COM

**PEDRO M. DE FIGUEROA**

LICENSE  
No. 52609

STATE OF  
FLORIDA

PROFESSIONAL ENGINEER

MIAMI-DADE BCCO:

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 11-115-05  
Expiration Date 11/31/13  
By: *[Signature]*  
Miami Dade Product Control

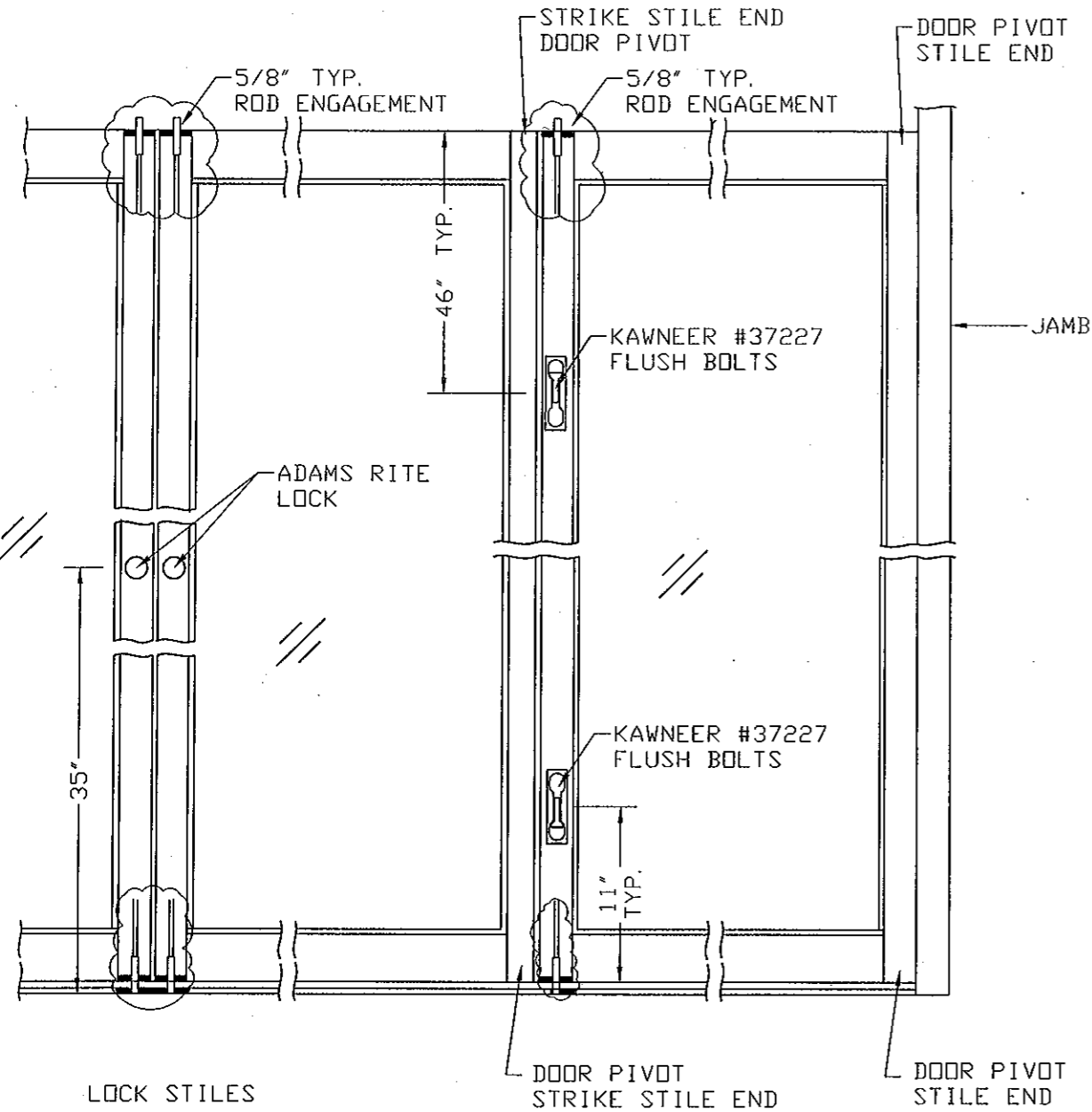
Date: 10/14/2011  
Scale: 1:1/2  
Design by: PPMF

Drawing Number  
**11-213**

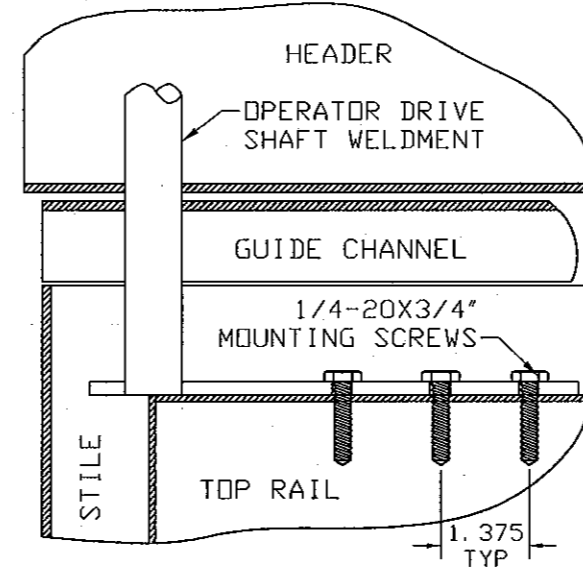
Sheet  
**6 of 7**



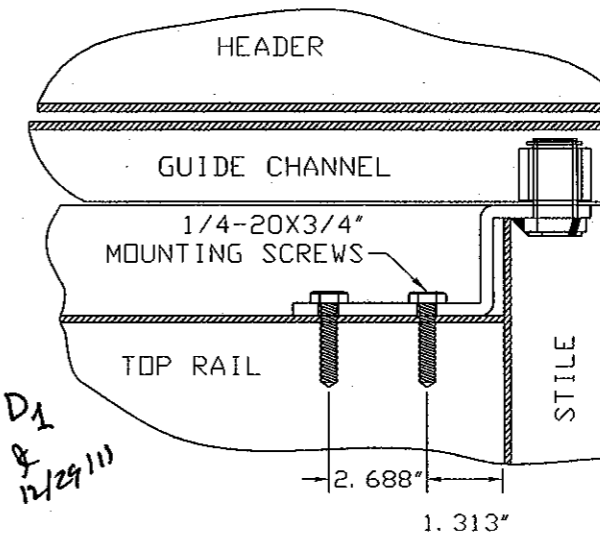
# DOOR HARDWARE



DOOR PIVOT DETAILS D1 & 12/29/11

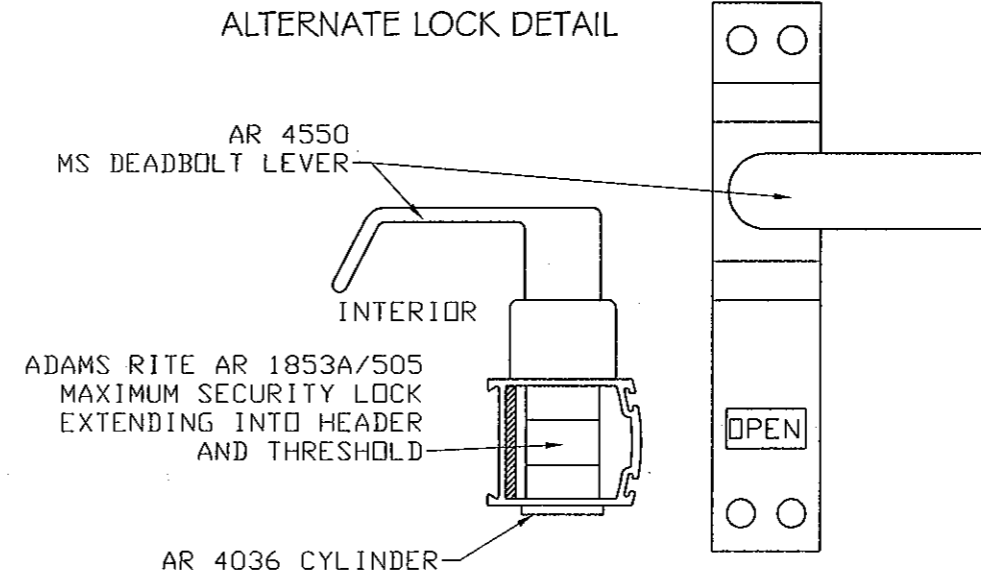


PIVOT STILE END

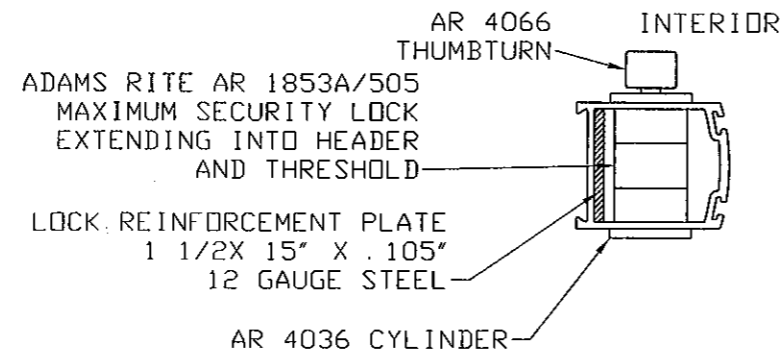


STRIKE STILE END

ALTERNATE LOCK DETAIL



STANDARD LOCK DETAIL



MANUFACTURER:



**GYRO TECH**

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

PRODUCT:

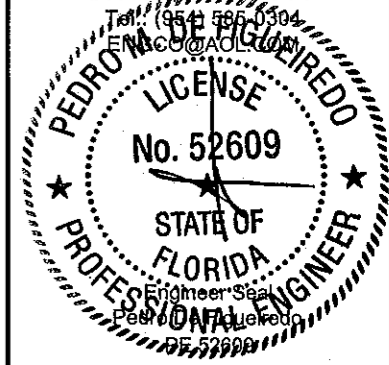
**SYSTEM GT1400**

BIFOLD-DOUBLE LEAF  
LARGE MISSILE IMPACT  
AUTOMATIC ALUMINUM BIFOLD  
GLASS DOOR

ENGINEERING:

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5595 ORANGE DR. 201  
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ENCO@AOL.COM



MIAMI-DADE BCCO:

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 11-1115-05  
Expiration Date 01/17/2013  
By: [Signature]  
Miami Dade Product Contr.

Date: 10/14/2011  
Scale: NA  
Design by: PPMF

Drawing Number  
**11-213**

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**7 of 7**