



**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

**NABCO Entrance Inc.
S82 W18717 Gemini Drive,
Muskego, Wisconsin 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 RER -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. RER 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 1175 models FBO & FS" Aluminum Automatic Sliding Glass Doors : So-Sx-Sx-So, So-Sx w/ Full Emergency Breakout and O-Sx-Sx-O, O-Sx w/Partial Emergency Breakout-LMI

APPROVAL DOCUMENT: Drawing No. **20-167** (Former **18-260**), titled "System GT1175 Large & Small Missile", sheets 1, 2, 2.1 thru 16, 16.1 thru 21 of 21, prepared by ENGCO Inc., dated 10/27/2020, signed and sealed by Pedro M. De Figueirido, P.E., bearing the Miami-Dade County Product Control Revision 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

LIMITATIONS:

1. See Design Pressure Table **1** (FBO) and Table **2** (FS) in sheet **2.1**. See Table **3** for Sill (interlock/astragal cluster) anchor capacity, Table **4** for Header (interlock/astragal cluster) anchor capacity and jamb anchors per model types in sheet **13**. Lower Design Pressure shall control from the tables for the entire assembly.
2. Locking option 3 (sheet 20) : The 2-point **G-86** CVR panic devices for model FBO in sheets **2** to be used w/ Horizontal muntin bars (detail 10/5) and the DLO height to be adjusted per muntin bar location. All stiles to be reinforced with Aluminum part # 14-13950.
3. Not approved where water infiltration is required, unless protected with overhang, complying with FBC requirements.
4. See glazing details in sheet **15**. Fixed glass more than 36" wide must be supported with approved setting blocks per FBC requirements.
5. Electrical devices, functions and installation is not part of this approval and to be reviewed and approved by Authority Having Jurisdiction (AHJ)
6. Private labelling is not part of this approval.

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", 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.



Ishag I. Chande

NOA No. 20-1106.04
Expiration Date: December 26, 2023
Approval Date: March 11, 2021
Page 1



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NABCO Entrance Inc.
S82 W18717 Gemini Drive,
Muskego, Wisconsin 53150

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** NOA #18-0531.04 and consists of the pages 1 & 2 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

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

Ishaq I. Chanda



NOA No. 20-1106.04
Expiration Date: December 26, 2023
Approval Date: March 11, 2021
Page 2

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **15-048** (Former **12-090**), titled "System GT1175 Large & Small Missile", sheets 1, 2, 2.1 thru 16, 16.1 thru 21 of 21, prepared by ENGCO Inc., dated 02-19-15 and last revised on JUL 22, 2015, signed and sealed by Pedro M. De Figueirido, P.E.

B. TESTS (Submitted under file #13-0521.14)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94(0.94 & 0.58 cfm/ft² @ 1.57 PSF)
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (Not conducted)
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, TAS 202-94

Along with installation diagram of aluminum automatic entrance doors O-Sx-Sx-O and So-Sx-Sx-So, prepared by Architectural Testing. Test Report No. **C-2942.01-602-18** (Units #1, 2, 3 & 5), dated 10/17/12, signed and sealed by Shawn G. Collins, P. E.

Note: This test report has been revised on SEP 12, 2013 by an addendum letter issued by Architectural Testing, signed and sealed by Shawn G. Collins, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by ENGCO Inc., dated JUL 22, 2015, signed and sealed by Pedro M. De Figueirido, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (Submitted under file #13-0521.14)

1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DE Nemours & Co., Inc. for their "Sentryglas interlayer ®", expiring on 11/14/17.
2. Technical strength data of Trelleborg EPDM (p/t# 9278-0400) per ASTM C864 and Reed Rubber Product Thermo Plastic Elastomer (p/t #W514). (Submitted under file #13-0521.14).

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 and "No financial interest", prepared by prepared by ENGCO Inc., dated 02/19/15, signed and sealed by Pedro M. De Figueirido, P.E.
2. Lab compliance as part of the above referenced test report.
3. Corporate good standing records dated 12/02/13, issued by Wisconsin Department of Financial Institutions. (Submitted under file #13-0521.14).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1106.04
Expiration Date: December 26, 2023
Approval Date: March 11, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA **revises** NOA #**13-0521.14**, expiring DEC 26, 2018.
2. Test proposals # **12-1362** dated 08/22/12 approved by RER.
3. Manufacture supplied Adam Rites deadbolt/hook, bolts mechanism and G-86 panic exit device brochures and technical data of EPDM and Thermo Plastic Elastomer. (Submitted under file #13-0521.14).

2. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **18-260** (Former **15-048**), titled "System GT1175 Large & Small Missile", sheets 1, 2, 2.1 thru 16, 16.1 thru 21 of 21, prepared by ENGCO Inc., dated APR 29, 2018, signed and sealed by Pedro M. De Figueiredo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to **FBC 6th Edition (2017)** and of no financial interest, prepared by prepared by PPMF Inc., dated APR 29, 2018, signed and sealed by Pedro M. De Figueiredo, P.E.
2. Statement of lab compliance, as part of test report.

G. OTHER

1. This NOA **revises** NOA # **15-0323.05**, expiring 12/26/23.

3. New Evidence submitted.

A. DRAWINGS

2. Drawing No. **20-167** (Former **18-260**), titled "System GT1175 Large & Small Missile", sheets 1, 2, 2.1 thru 16, 16.1 thru 21 of 21, prepared by ENGCO Inc., dated 10/27/20, signed and sealed by Pedro M. De Figueiredo, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1106.04
Expiration Date: December 26, 2023
Approval Date: March 11, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)** and of no financial interest, prepared by prepared by PPMF Inc., dated 10/27/20, signed and sealed by Pedro M. De Figueiredo, P.E.
2. Statement of lab compliance, as part of test report.

G. OTHER

1. This NOA **revises NOA # 18-0531.04**, expiring 12/26/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1106.04
Expiration Date: December 26, 2023
Approval Date: March 11, 2021

SYSTEM GT 1175

MODELS 1175 FBO AND 1175 FS
AUTOMATIC ALUMINUM SLIDING GLASS DOOR W/ ALUMINUM REINFORCEMENTS
LARGE AND SMALL IMPACT RESISTANT

GENERAL NOTES: (FLORIDA BUILDING CODE 2020, 7TH EDITION - HVHZ)

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2020 7TH EDITION, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN AUTOMATIC SLIDING GLASS DOOR DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL. PRODUCT IS RATED FOR LARGE AND SMALL MISSILE.
- 3- LABELING: PRODUCT MUST BE LABELED IN ACCORDANCE WITH THE FBC 2020, CHAPTER 17.

"NABCO ENTRANCES - MUSKEGO - WISCONSIN
SYSTEM GT 1175 SERIES AUTOMATIC SLIDING GLASS DOOR
MIAMI-DADE PRODUCT CONTROL APPROVED"
- 4- PROJECT DESIGN PRESSURES: THE PROJECT DESIGNED PRESSURES MUST BE CALCULATED BASED ON THE ASCE 7-16, BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE PROJECT DESIGN PRESSURE, AS DETERMINED BY ASCE 7-16, ARE PERMITTED TO BE MULTIPLIED BY 0.6 AND THEY MUST NOT EXCEED THE ALLOWABLE PRODUCT PRESSURE SPECIFIED HERE IN.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T5 ALLOY OR AS NOTED AND GLAZING TO BE LAMINATED IMPACT GLASS 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 FOR A SPECIFIC PROJECT.
- 8- WOOD BUCKS (1X AND 2X) BY OTHERS, MUST BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE STRUCTURE.
- 9- DISSIMILAR MATERIALS: WHERE ALUMINUM IS IN CONTACT OR FASTENED TO DISSIMILAR MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, INSTALLATION SHALL MEET THE REQUIREMENTS OF CHAPTER M.7 OF THE ALUMINUM DESIGN MANUAL 2015.

INSTRUCTIONS TO USE THIS DRAWING TO VERIFY DOOR ADEQUACY PRESSURE

- STEP 1 - SHEET 1 GENERAL NOTE 4: DETERMINE PROJECT DESIGNED PRESSURE (DP) AS INDICATED.
- STEP 2 - SHEET 2.1: SELECT ALLOWABLE PRESSURE USING TABLES 1 OR 2 BASED ON DOOR DIMENSIONS AND MODEL TYPE.
- STEP 3 - SHEET 13: SELECT FRAME ANCHORING ALLOWABLE DESIGN PRESSURE CAPACITY FROM TABLES 3 (SILL) AND 4 (HEADER). SELECT JAMB ANCHORS PER MODEL TYPE
- STEP 4 - THE LOWEST ALLOWABLE DESIGNED PRESSURE FROM STEP 2 AND 3 SHALL APPLY TO THE ENTIRE SYSTEM AND MUST BE GREATER OR EQUAL THAN THE PROJECT DESIGN PRESSURE (DP) FROM STEP 1

TABLE OF CONTENTS:

| SHEET | CONTENTS |
|------------|---|
| 1 OF 21 | GENERAL NOTES, TABLE OF CONTENTS |
| 2 OF 21 | ELEVATIONS FOR GT1175 FBO |
| 2.1 OF 21 | DESIGN RATING FOR GT1175 FBO AND GT1175 FS |
| 3 OF 21 | ELEVATIONS FOR GT1175 FS |
| 4 OF 21 | GT1175 FBO HEADER SECTION DETAILS |
| 5 OF 21 | GT1175 FBO SILL SECTION DETAILS |
| 6 OF 21 | GT1175 FBO INTERLOCK & JAMB SECTION DETAILS |
| 7 OF 21 | GT1175 FS HEADER SECTION DETAILS |
| 8 OF 21 | GT1175 FS SILL SECTION DETAILS |
| 9 OF 21 | GT1175 FS INTERLOCK & JAMB SECTION DETAILS |
| 10 OF 21 | JAMB ANCHORAGE DETAILS |
| 11 OF 21 | HEADER ANCHORAGE DETAILS |
| 12 OF 21 | HEADER & SILL ANCHORAGE DETAILS |
| 13 OF 21 | ANCHORAGE TABLES 3 & 4 |
| 14 OF 21 | DOOR COMPONENTS |
| 15 OF 21 | DOOR COMPONENTS, GLAZING DETAILS, LIST OF MATERIALS |
| 16 OF 21 | DOOR HARDWARE DETAILS |
| 16.1 OF 21 | DOOR HARDWARE DETAILS |
| 17 OF 21 | JAMB ASSEMBLY TO HEADER HOUSING |
| 18 OF 21 | LOCK HARDWARE OPTION 1 |
| 19 OF 21 | LOCK HARDWARE OPTION 2 |
| 20 OF 21 | LOCK HARDWARE OPTION 3 |
| 21 OF 21 | BILL OF MATERIALS |

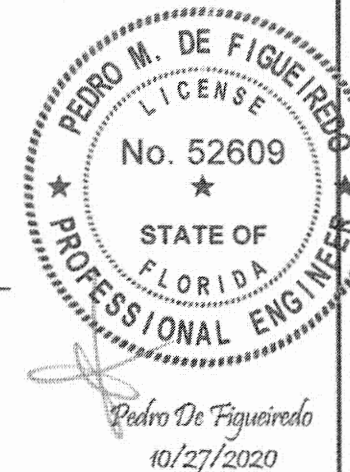
DOOR ALLOWABLE DESIGNED PRESSURES

MODEL GT1175 FBO - SHEET 2.1 OF 21 TABLE 1
MODEL GT1175 FS - SHEET 2.1 OF 21 TABLE 2
FRAME ANCHORAGE - SHEET 13 OF 21 TABLES 3 & 4

REFER TO EACH MODEL TYPE FOR
ALLOWABLE DESIGNED PRESSURES AND SIZES

LEGEND:

FBO: FULL BREAKAWAY OPEN
FS: FIXED SIDELITE
FH: DOOR FINISHED HEIGHT
FW: DOOR FINISHED WIDTH
DM: DOOR MODULE
DOW: DOOR OPENING WIDTH
DOH: DOOR OPENING HEIGHT
DLO: DAYLIGHT OPENING
CVR: CONCEALED VERTICAL ROD
E.D.: EDGE DISTANCE



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 20-1106.04

Expiration Date 12/26/2023

By Ishag I. Chande
Miami-Dade Product Control

MIAMI-DADE BCCO:

SCALE:

NA

DATE:

10/27/2020

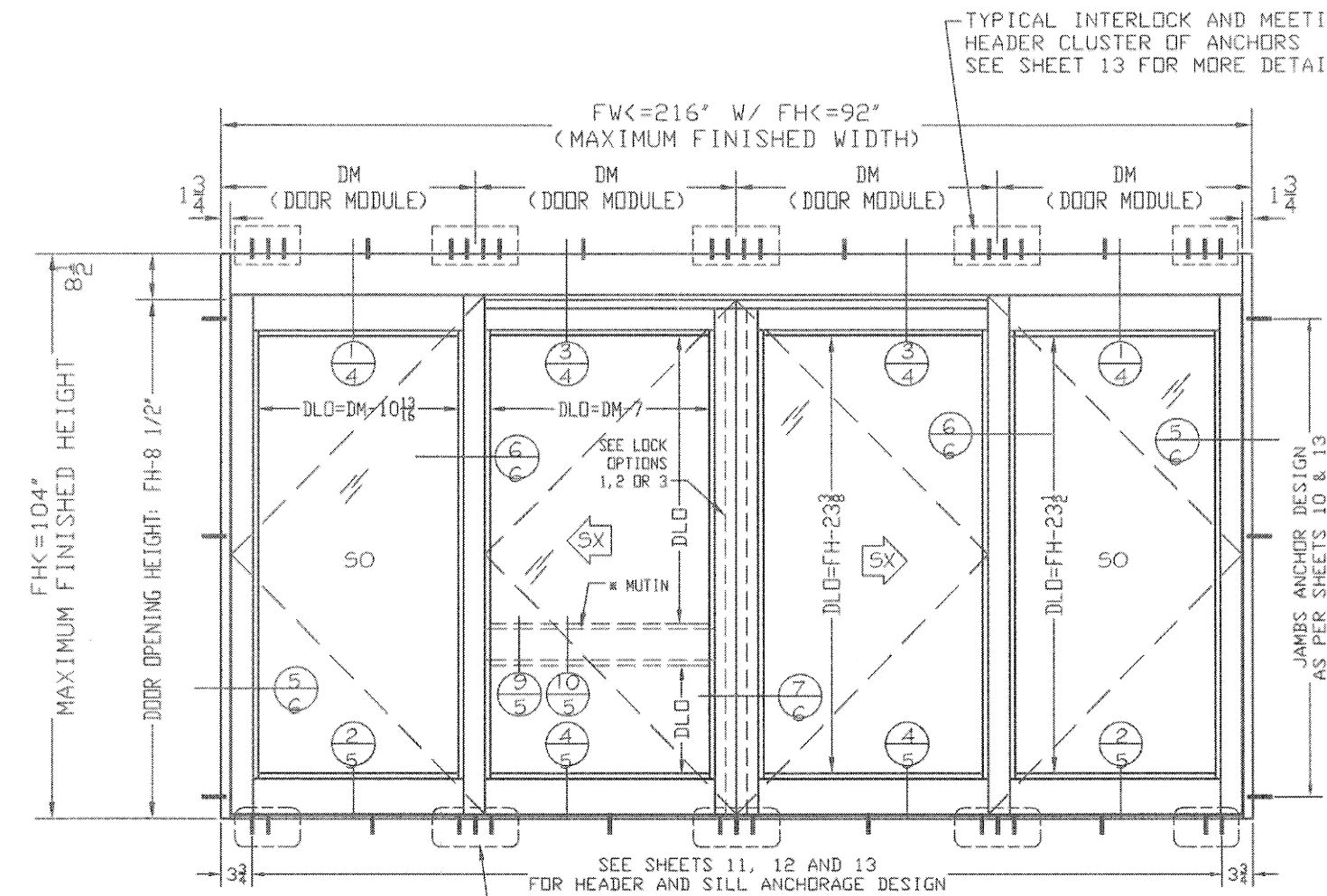
DRAWING #

20-167

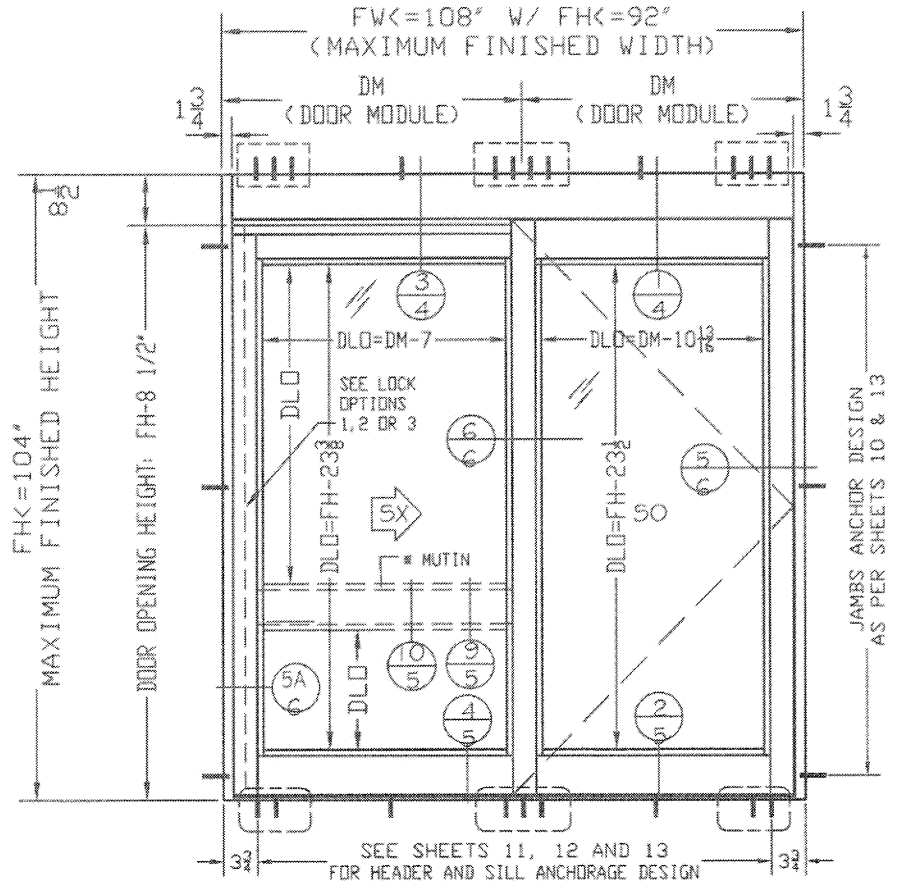
SHEET

1 OF 21

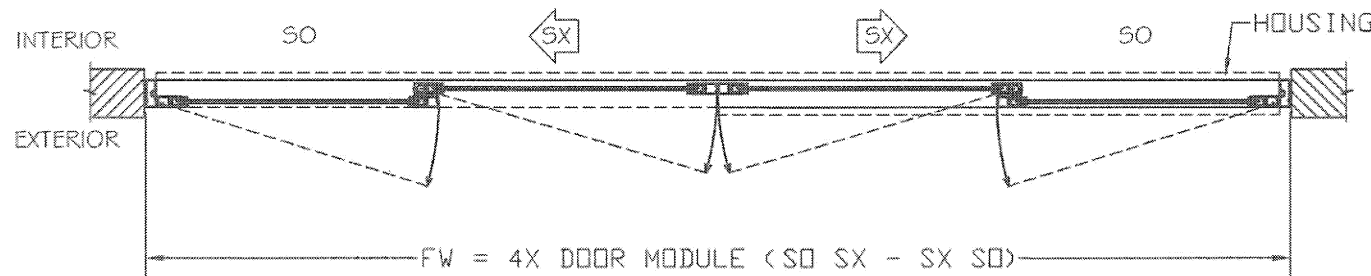
SYSTEM GT 1175 SERIES - MODEL 1175 FBO



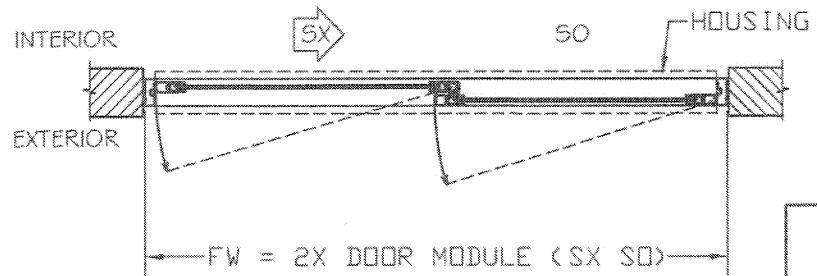
SO SX-SX SO
EXTERIOR VIEW



SX SO
EXTERIOR VIEW



DOOR MODULE:
DM= FW/ 4 FOR (SO SX-SX SO)
DM= FW/2 FOR (SO SX)



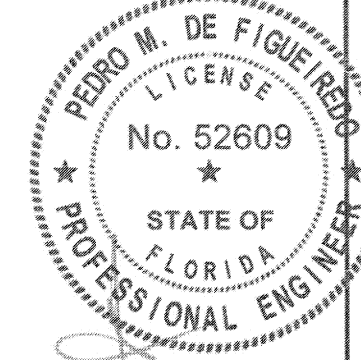
(4 PANELS) DOOR OPENING WIDTH: DOW= 2X DM-12
(2 PANELS) DOOR OPENING WIDTH: DOW= 1X DM- 6
DOOR OPENING HEIGHT: DOH= FH- 8 1/2"

TYPICAL INTERLOCK AND MEETING STILES
HEADER CLUSTER OF ANCHORS
SEE SHEET 13 FOR MORE DETAILS

TYPICAL INTERLOCK AND MEETING STILES
SILL CLUSTER OF ANCHORS
SEE SHEET 13 FOR MORE DETAILS

* MUTIN IS OPTIONAL FOR HARDWARE 1 AND 2
AND MANDATORY FOR HARDWARE 3 (PANIC)

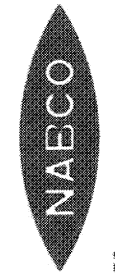
SEE TABLE 1 ON SHEET 2.1 OF 21
FOR DESIGN PRESSURES



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT 1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chande
Miami-Dade Product Control

MIAMI-DADE BCCO:

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
2 OF 21

SYSTEM GT 1175 SERIES - MODEL 1175 FBO

TABLE 1 - MODEL 1175-FBO
ALLOWABLE DESIGNED PRESSURES (PSF)

| FH (IN) | DM (IN) | PRESSURE (PSF) +/- | MODEL 1175-FBO CONFIGURATIONS NOTES: |
|------------|------------|-----------------------|---|
| 92 | 36 | 105 | 1- SLIDING GLASS DOOR CAN BE CONFIGURED IN DIFFERENT WAYS BY USING THE APPROVED SECTIONS FOR EACH MODEL. 2- CONFIGURATIONS CAN BE MADE WITH 2 OR 4 MODULES AS LONG AS IT DOES NOT EXCEED THE MAXIMUM MODULE SIZES AND PRESSURES LISTED IN TABLE 1. |
| | 39 | 97 | |
| | 42 | 90 | |
| | 45 | 84 | |
| | 48 | 79 | |
| 96 | 54 | 70 | 3- USE SECTIONS 1/4 AND 3/4 FOR HEADER DETAILS 4- USE SECTIONS 2/5 AND 4/5 FOR SILL DETAILS 5- USE SECTIONS 5/6 OR 5A/6 FOR JAMB DETAILS 6- USE SECTION 6/6 FOR INTERLOCK DETAIL 7- USE SECTION 7/6 FOR MEETING STILES DETAIL 8- OPTIONAL MID RAIL SECTION 9/8 (ANY PANEL) |
| | 36 | 101 | |
| | 39 | 93 | |
| | 42 | 87 | |
| | 45 | 81 | |
| 100 | 48 | 76 | |
| | 52 | 70 | |
| | 36 | 97 | |
| | 39 | 90 | |
| | 42 | 83 | |
| 104 | 45 | 78 | EXAMPLE FOR ALTERNATE CONFIGURATIONS 2 PANELS - 50 SX - FW<= 108" (FH<= 92") 2 PANELS - 50 SX - FW<= 96" (FH<= 104") 4 PANELS - 50 SX-SX 50 - FW<= 216" (FH<=92") 4 PANELS - 50 SX-SX 50 - FW<= 192" (FH<=104") |
| | 48 | 73 | |
| | 49 | 70 | |
| | 36 | 93 | |
| | 39 | 86 | |
| | 42 | 80 | |
| | 45 | 75 | |
| | 48 | 70 | |

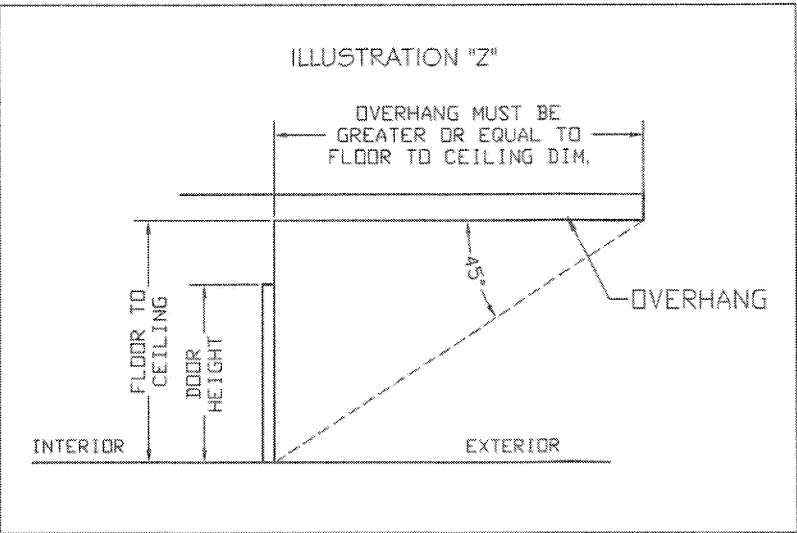
DOOR ARE NOT RATED FOR WATER INFILTRATION,
INSTALLATION TO MEET ILLUSTRATION "Z" BELOW.

SYSTEM GT 1175 SERIES - MODEL 1175 FS

TABLE 2 - MODEL 1175-FS
ALLOWABLE DESIGNED PRESSURES (PSF)

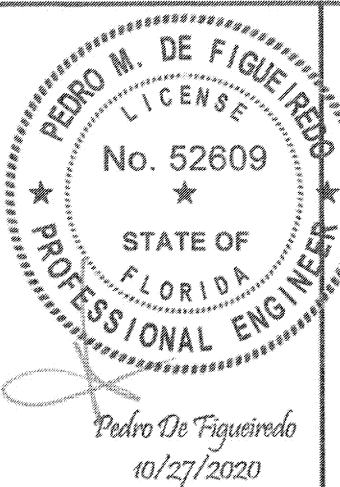
| FH (IN) | DM (IN) | PRESSURE (PSF) +/- | MODEL 1175-FS CONFIGURATIONS NOTES: |
|------------|------------|-----------------------|--|
| 92 | 36 | 105 | 1- SLIDING GLASS DOOR CAN BE CONFIGURED IN DIFFERENT WAYS BY USING THE APPROVED SECTIONS FOR EACH MODEL. 2- CONFIGURATIONS CAN BE MADE WITH 2 OR 4 MODULES AS LONG AS IT DOES NOT EXCEED THE MAXIMUM MODULE SIZES AND PRESSURES LISTED IN TABLE 2. |
| | 39 | 97 | |
| | 42 | 90 | |
| | 45 | 84 | |
| | 48 | 79 | |
| 96 | 54 | 70 | 3- USE SECTIONS 10/7 AND 30/7 FOR HEADER DETAILS 4- USE SECTIONS 20/8 AND 40/8 FOR SILL DETAILS 5- USE SECTIONS 50/9 AND 50A/9 FOR JAMB DETAILS 6- USE SECTION 60/9 FOR INTERLOCK DETAIL 7- USE SECTION 70/9 FOR MEETING STILES DETAIL 8- OPTIONAL MID RAIL SECTION 9/8 (ANY PANEL) |
| | 36 | 101 | |
| | 39 | 93 | |
| | 42 | 87 | |
| | 45 | 81 | |
| 100 | 48 | 76 | |
| | 52 | 70 | |
| | 36 | 97 | |
| | 39 | 90 | |
| | 42 | 83 | |
| 104 | 45 | 78 | EXAMPLE FOR ALTERNATE CONFIGURATIONS 2 PANELS - 0 SX - FW<= 108" (FH<= 92") 2 PANELS - 0 SX - FW<= 96" (FH<= 104") 4 PANELS - 0 SX-SX 0 - FW<= 216" (FH<=92") 4 PANELS - 0 SX-SX 0 - FW<= 192" (FH<=104") |
| | 48 | 73 | |
| | 49 | 70 | |
| | 36 | 93 | |
| | 39 | 86 | |
| | 42 | 80 | |
| | 45 | 75 | |
| | 48 | 70 | |

DOOR ARE NOT RATED FOR WATER INFILTRATION,
INSTALLATION TO MEET ILLUSTRATION "Z" BELOW.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chahin
Miami-Dade Product Control

MIAMI-DADE BCCO:



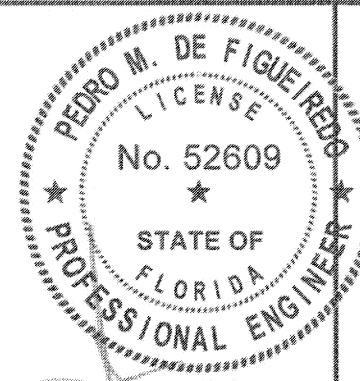
ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
2.1 OF 21

SYSTEM GT 1175 SERIES - MODEL 1175 FS



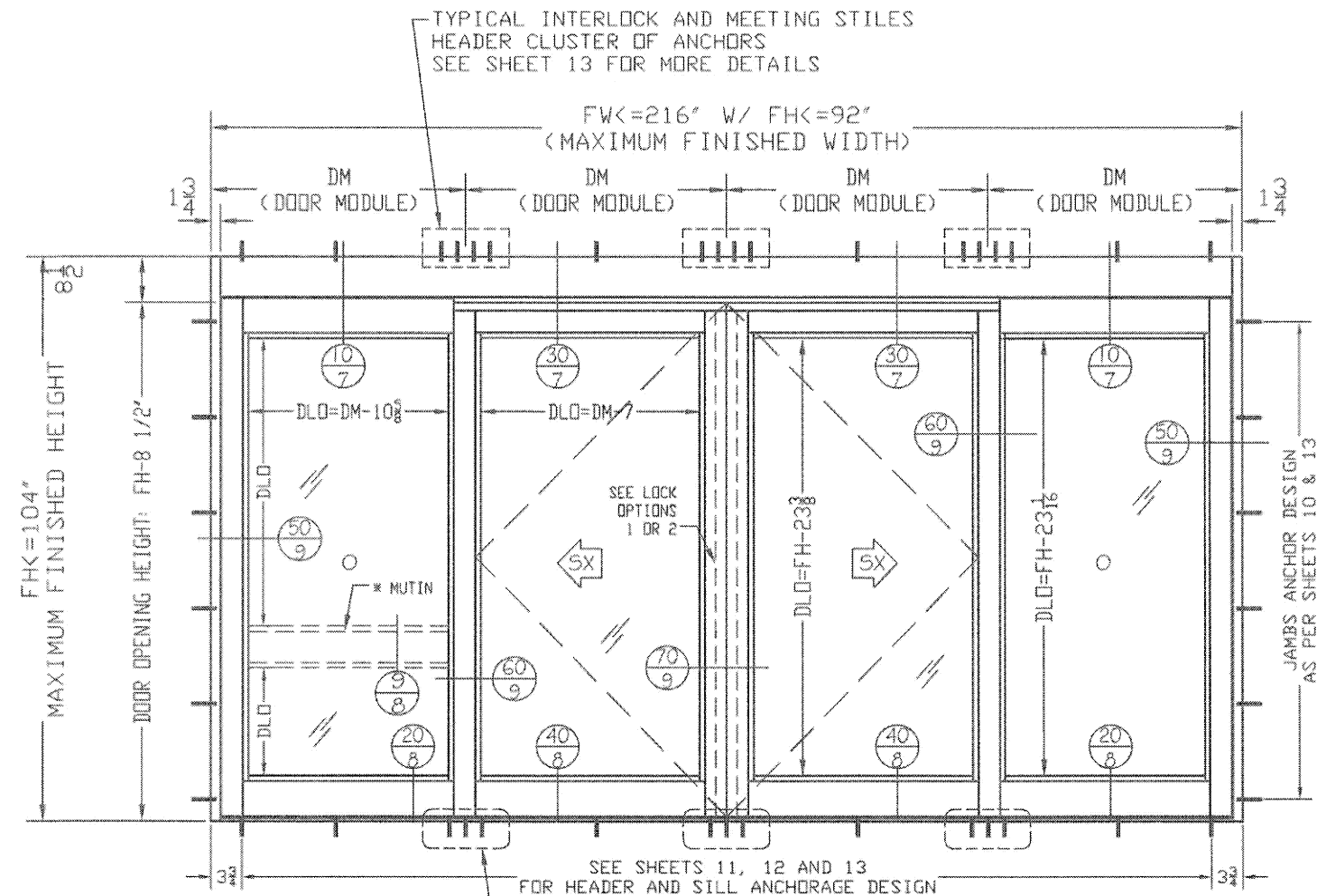
Pedro De Figueiredo
10/27/2020

ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
FE 52609

PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

MANUFACTURER:
NABCO
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2684 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
3 OF 21

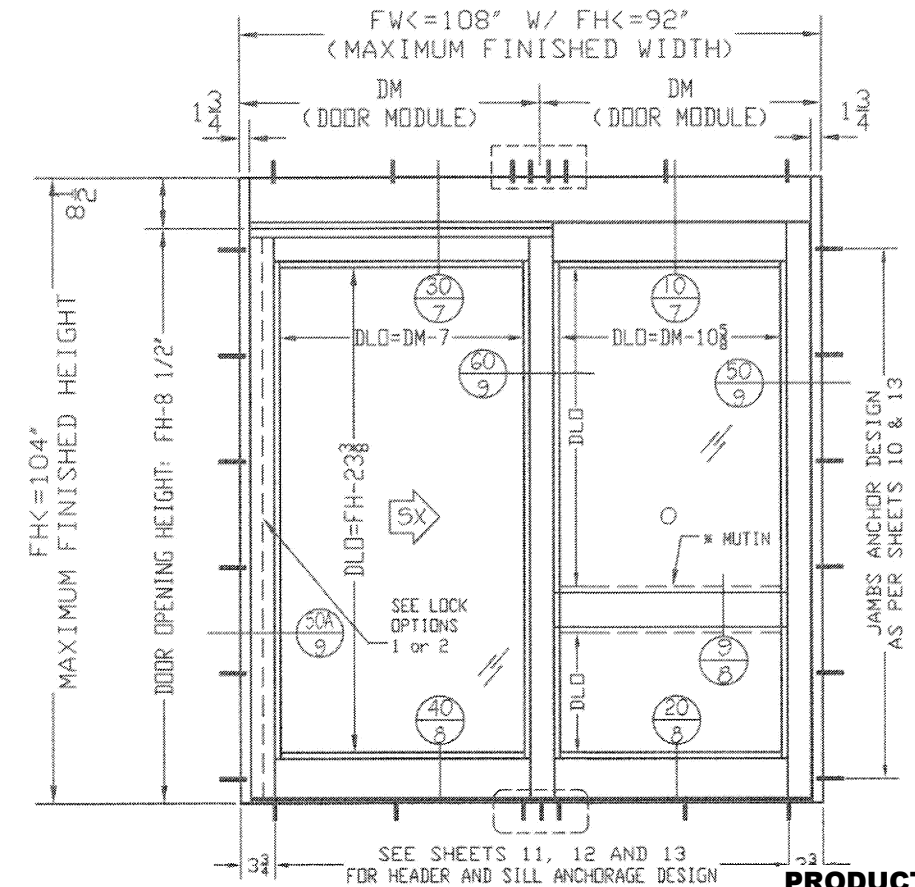


TYPICAL INTERLOCK AND MEETING STILES
SILL CLUSTER OF ANCHORS
SEE SHEET 13 FOR MORE DETAILS

SO SX-SX SO
EXTERIOR VIEW

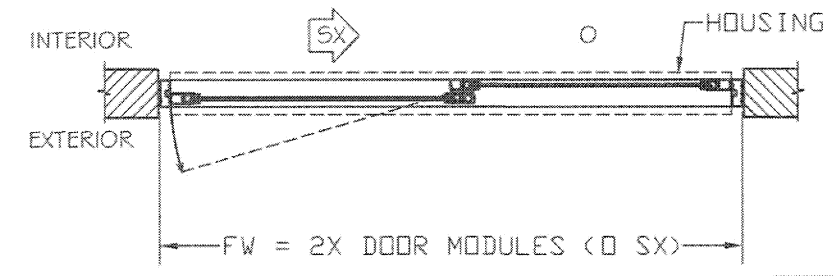
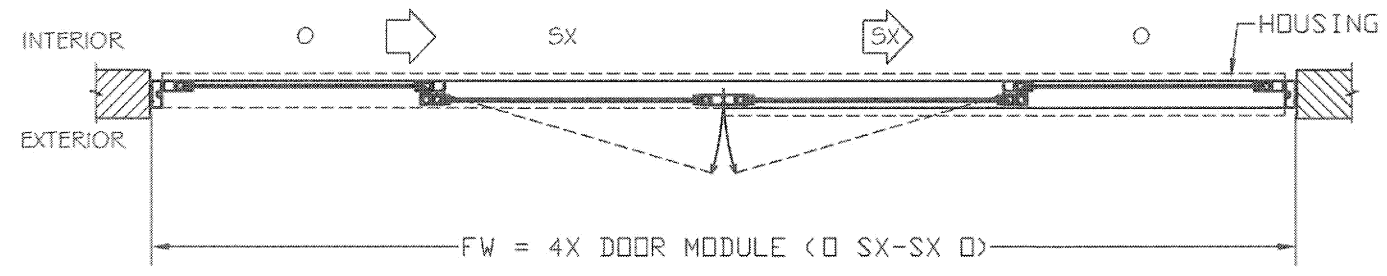
* MUTIN IS OPTIONAL FOR FS MODEL DOOR
THEY CAN BE INSTALLED IN SX OR O PANELS

SEE TABLE 2 ON SHEET 2.1 OF 21
FOR DESIGN PRESSURES



SX SO
EXTERIOR VIEW

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chande
Miami-Dade Product Control

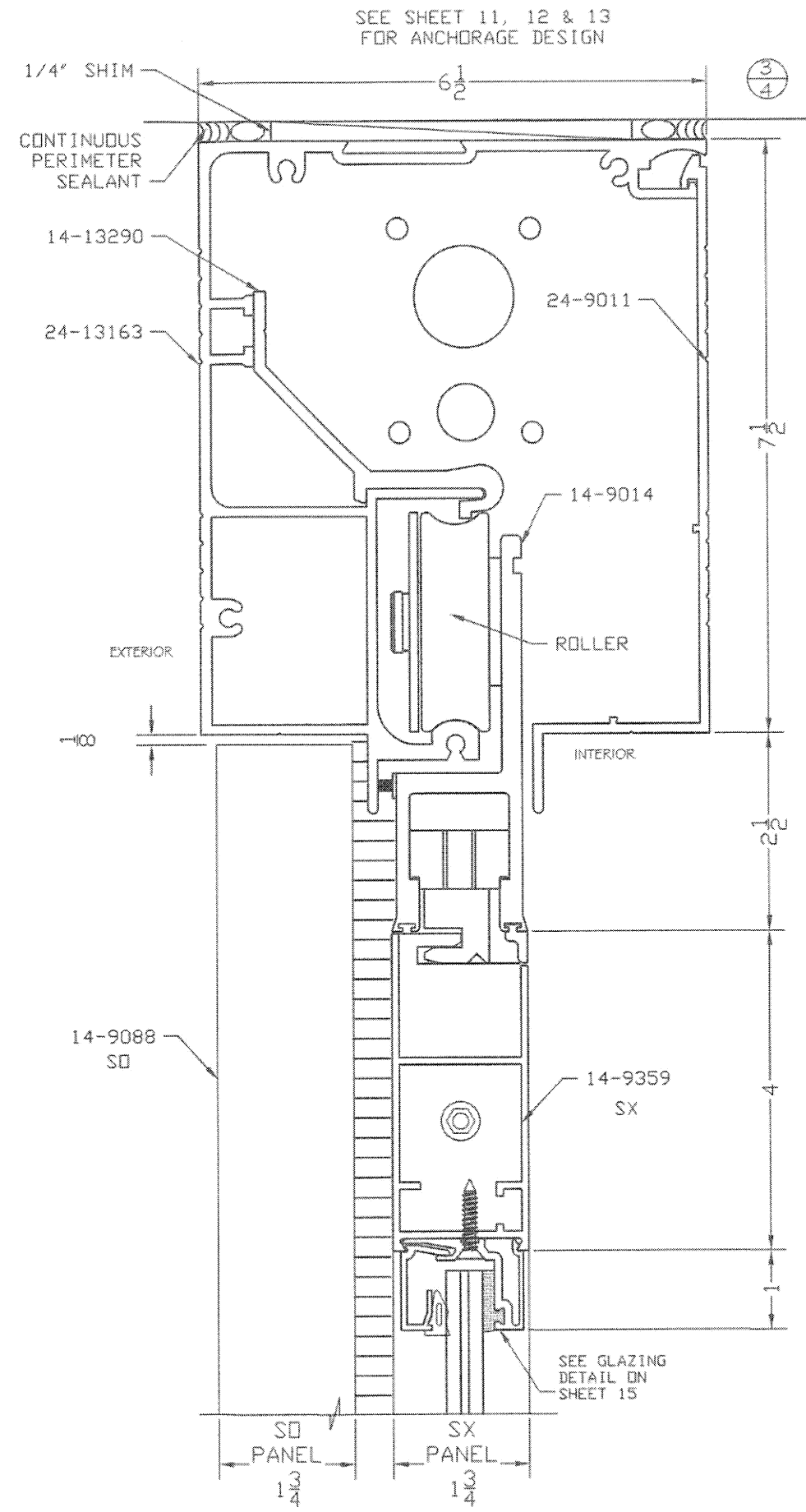
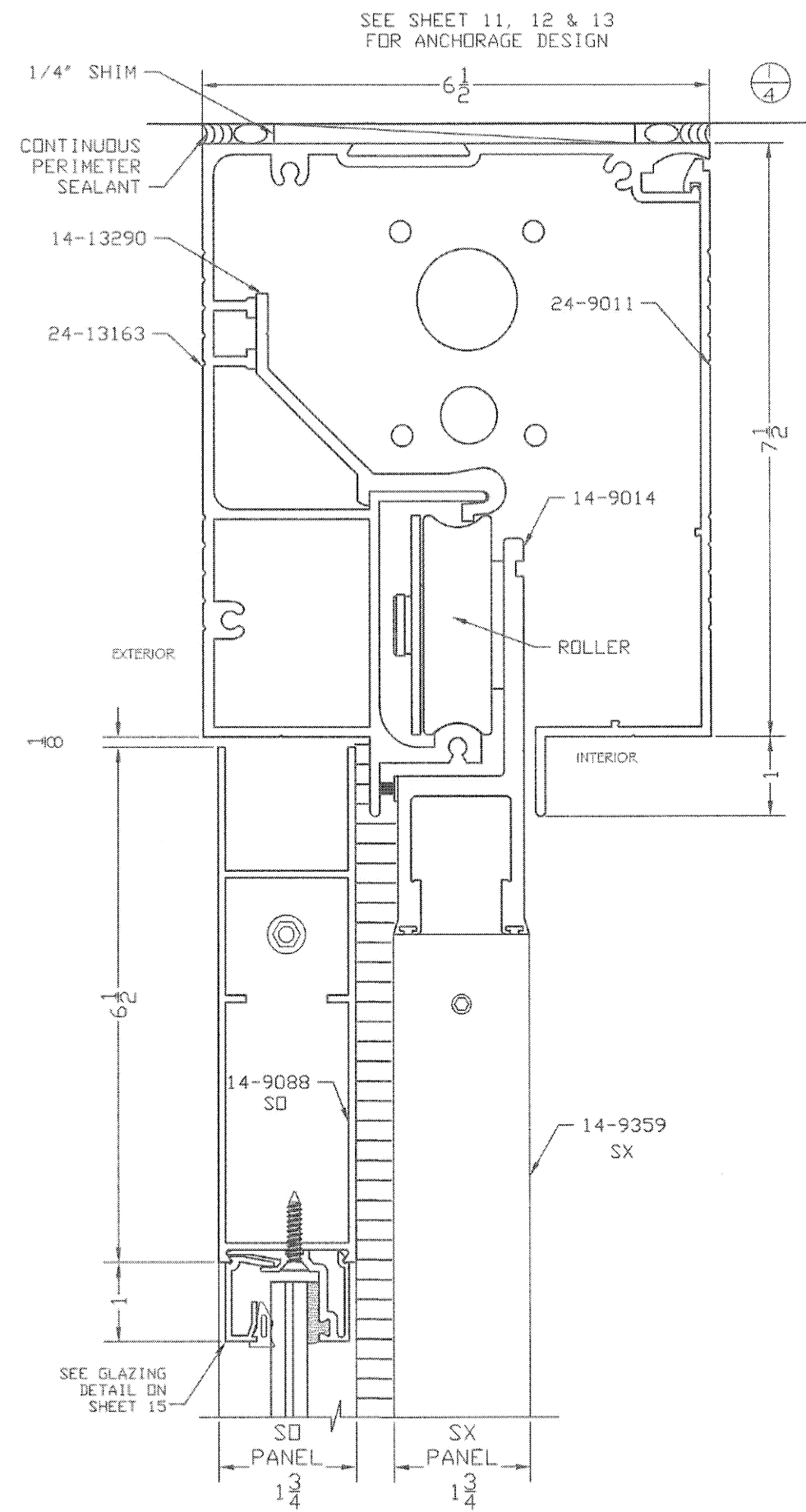


DOOR MODULE:
DM= FW/ 4 FOR (O SX-SX O)
DM= FW/2 FOR (O SX)

(4 PANELS) DOOR OPENING WIDTH: DOW= 2X DM-12
(2 PANELS) DOOR OPENING WIDTH: DOW= 1X DM-6
DOOR OPENING HEIGHT: DOH= FH-8 1/2"

MIAMI-DADE BCCO:

HEADER SECTION DETAILS - 1175 FBO



PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Pedro De Figueiredo
10/27/2020

ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

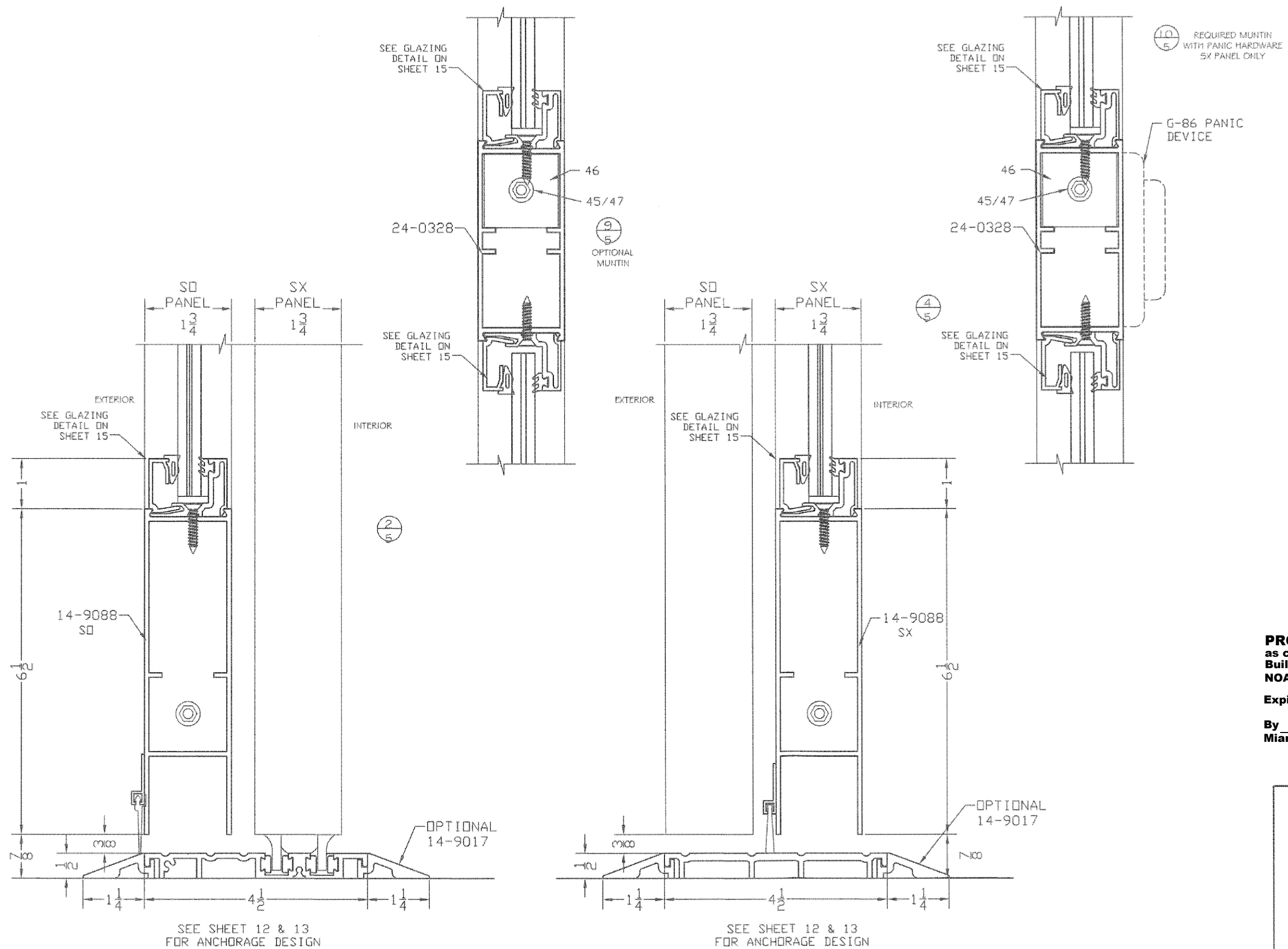
MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chahin
Miami-Dade Product Control

MIAMI-DADE BCCO:

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
4 OF 21

SILL SECTION DETAILS - 1175 FBO



PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR.



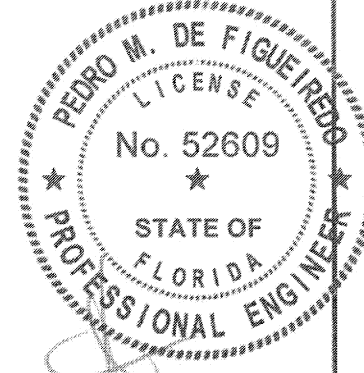
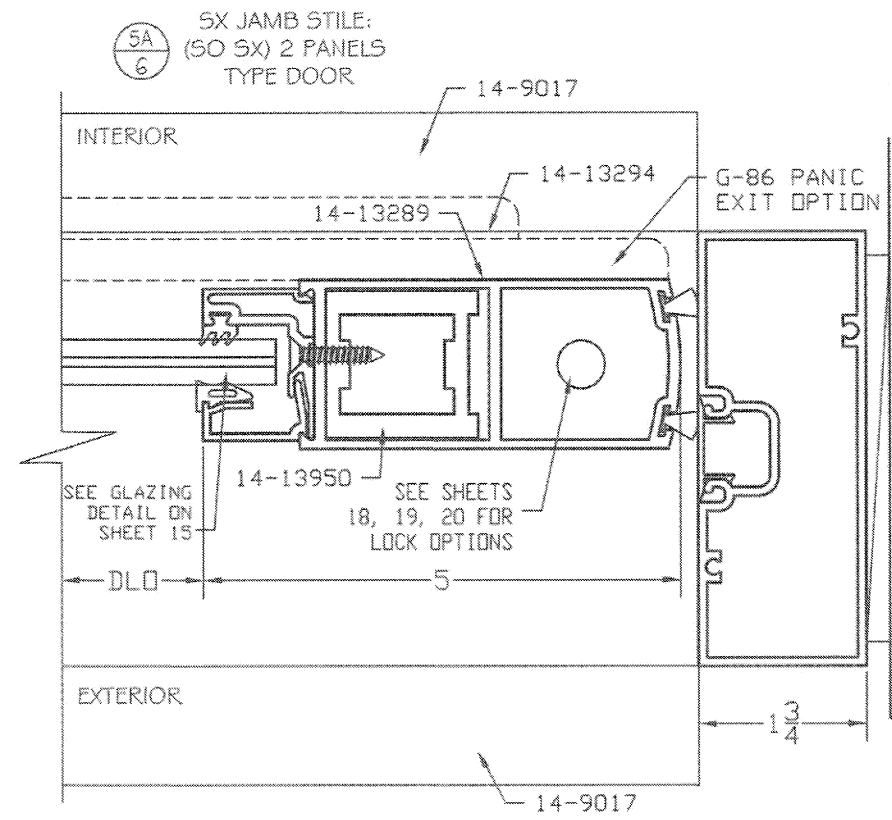
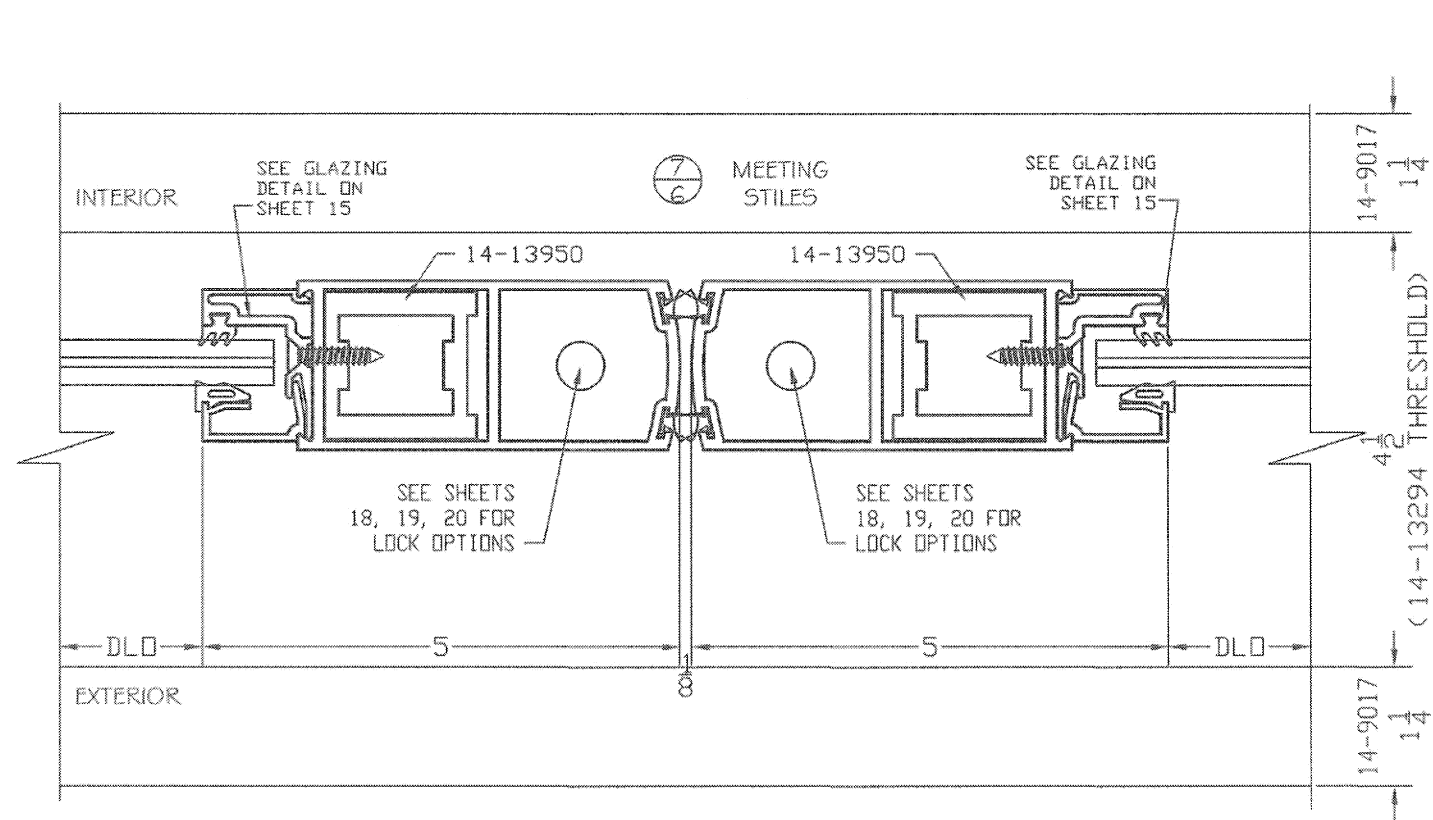
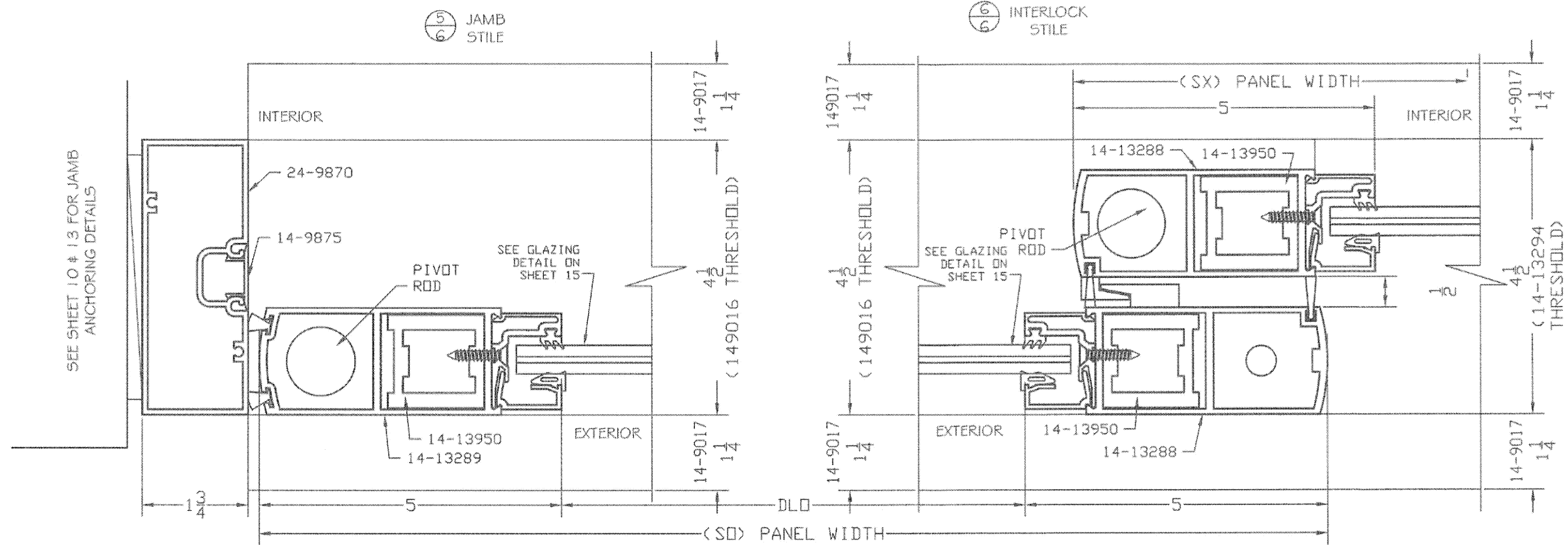
MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chank
Miami-Dade Product Control

MIAMI-DADE BCCO:

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
5 OF 21

JAMB, INTERLOCK AND MEETING SECTION DETAILS - 1175 FBO



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04

Expiration Date 12/26/2023

By Ishaq I. Chande
Miami-Dade Product Control



MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53
PHONE: (877) 622-2694 FAX:

MIAMI-DADE BCCO:

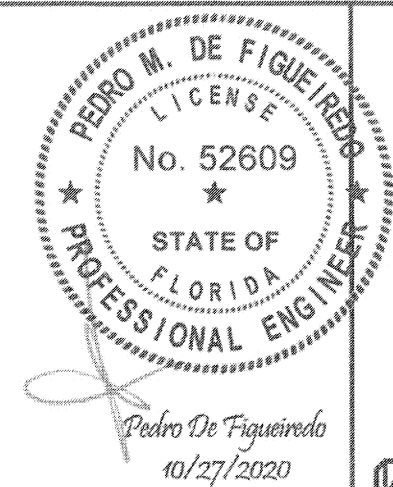
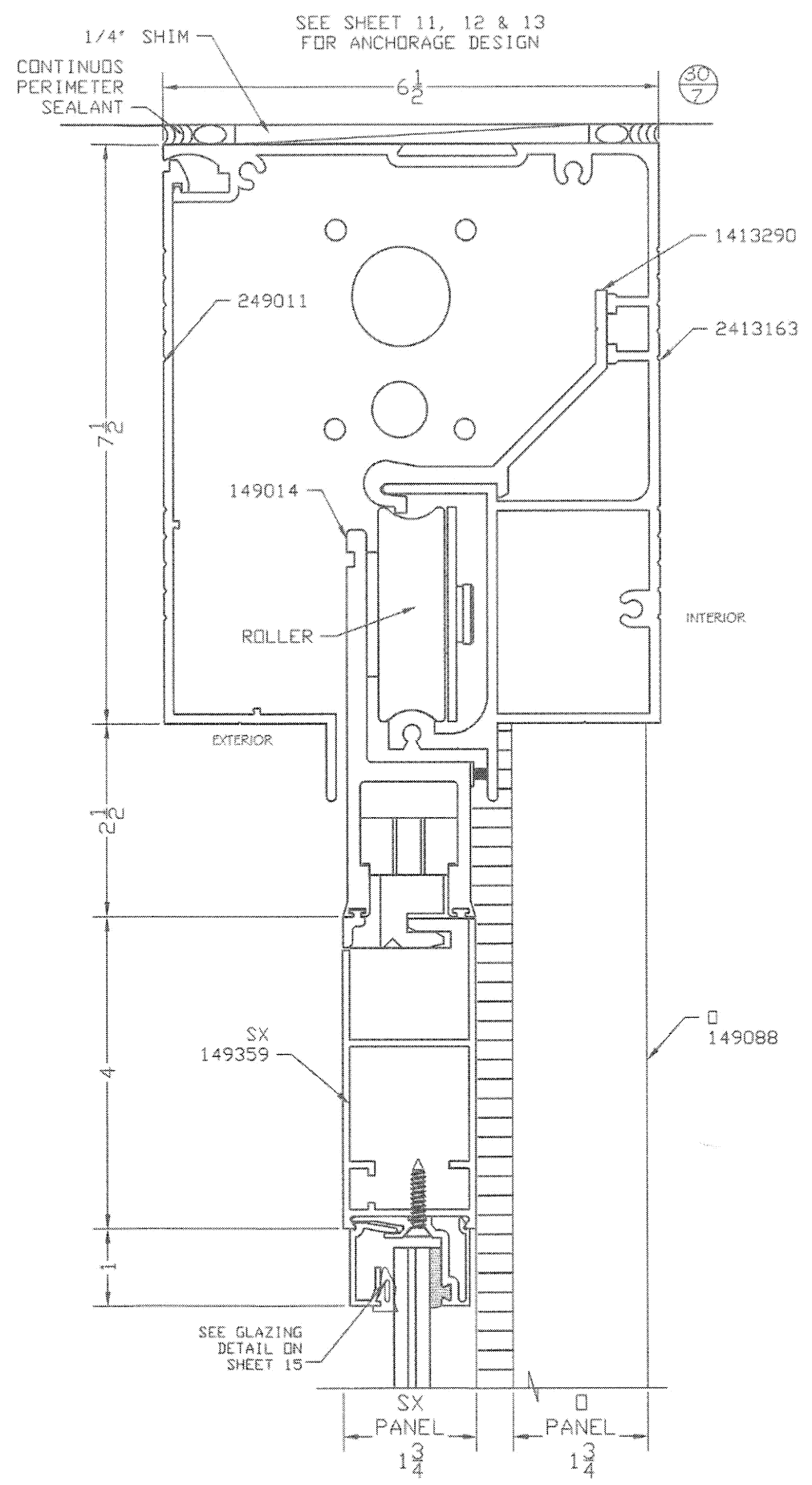
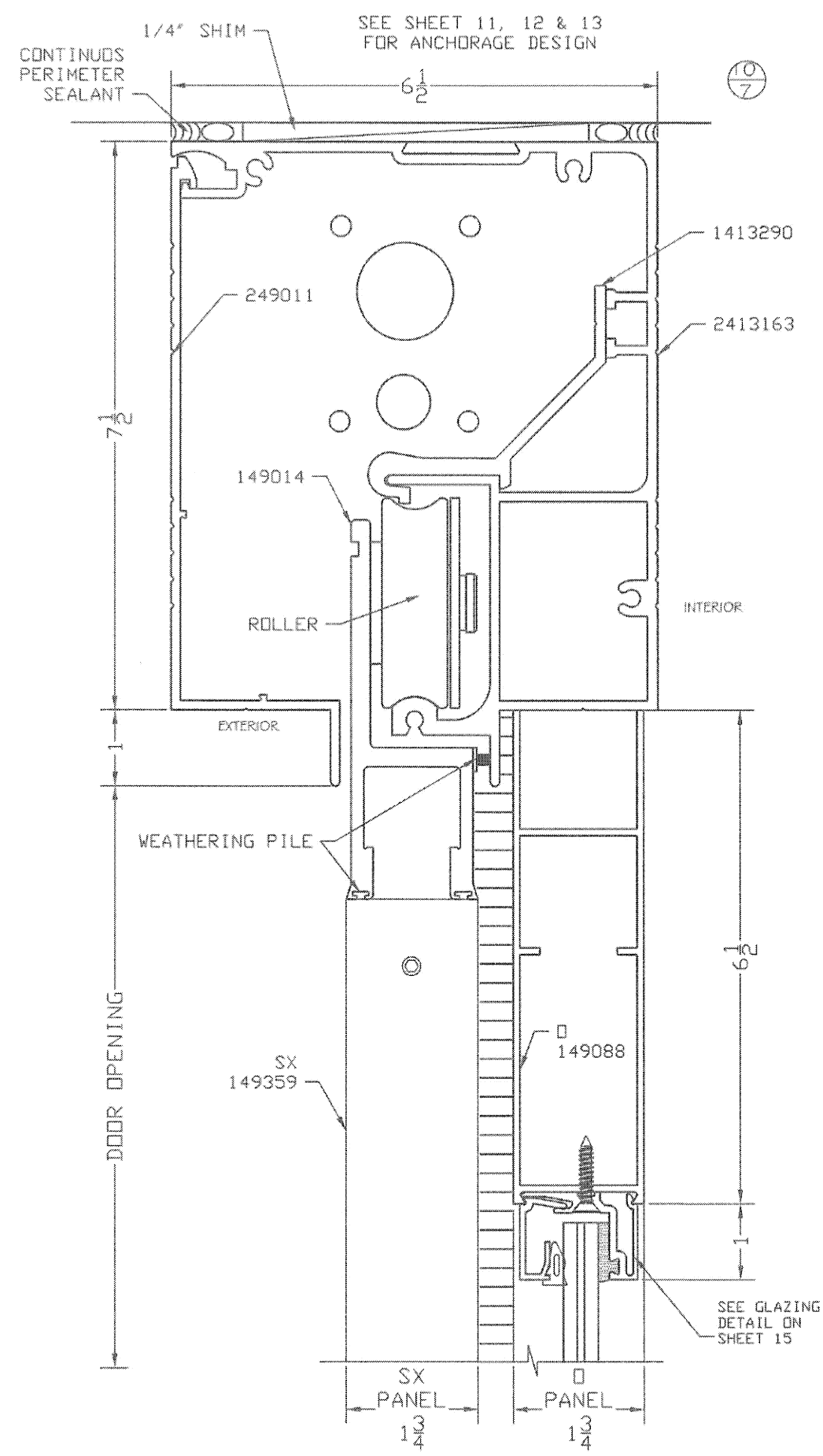
SCALE:
NA

DATE: 27/2020

DRAWING #
20-167

SHEET
6 OF 21

HEADER SECTION DETAILS - 1175 FS



ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609

PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

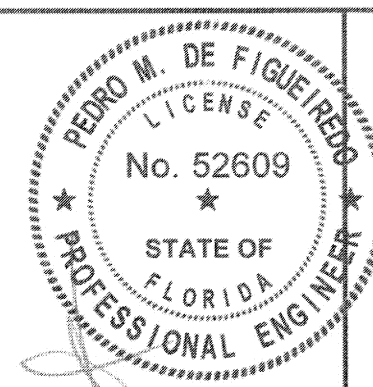
MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chank
Miami-Dade Product Control

MIAMI-DADE BCCO:

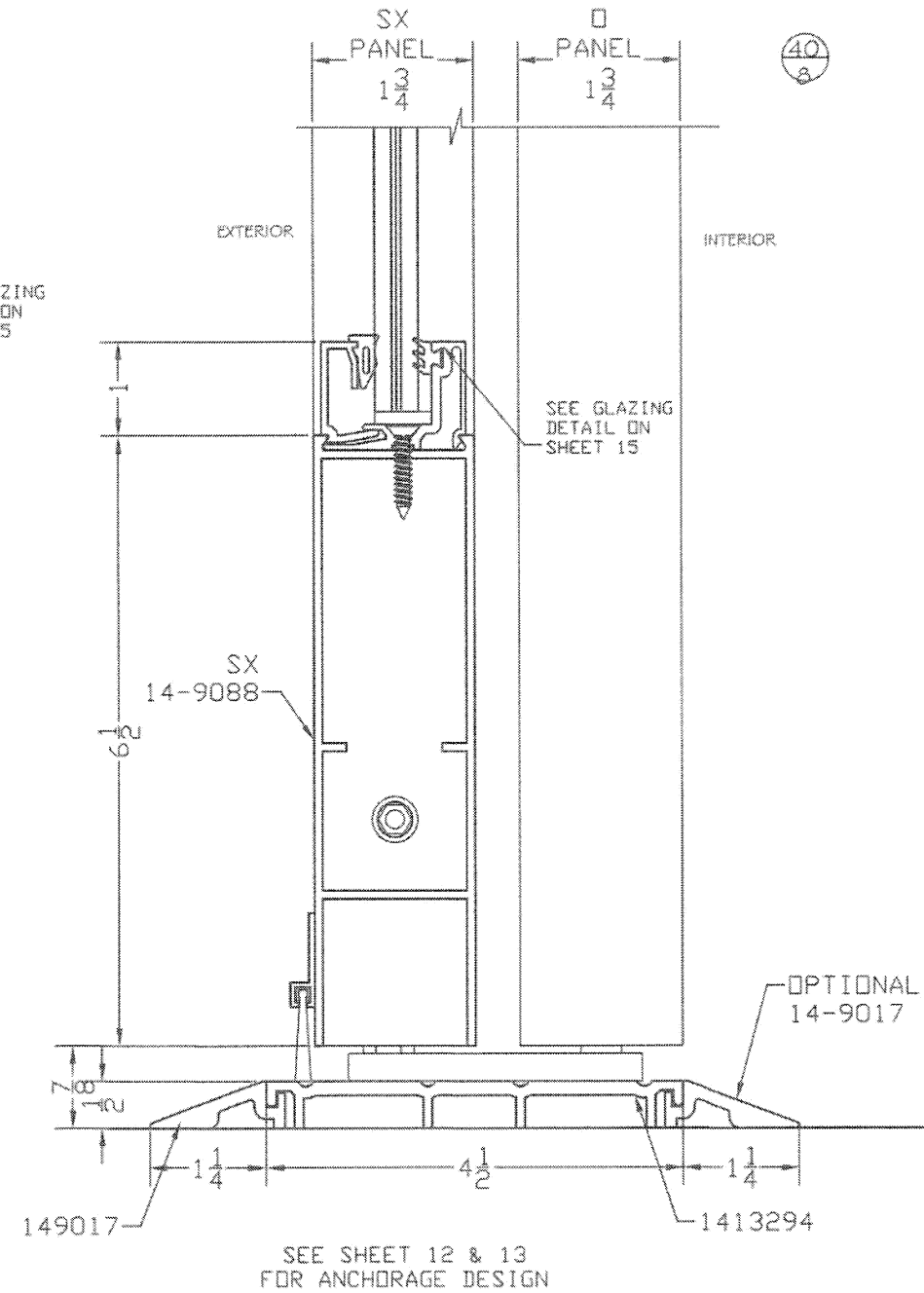
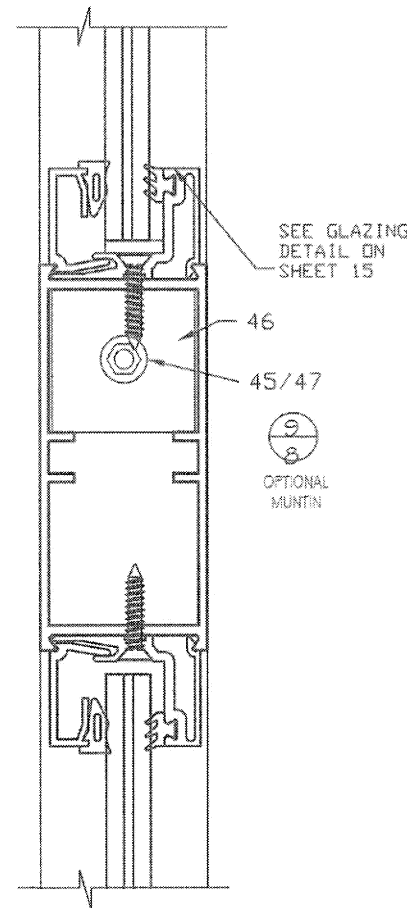
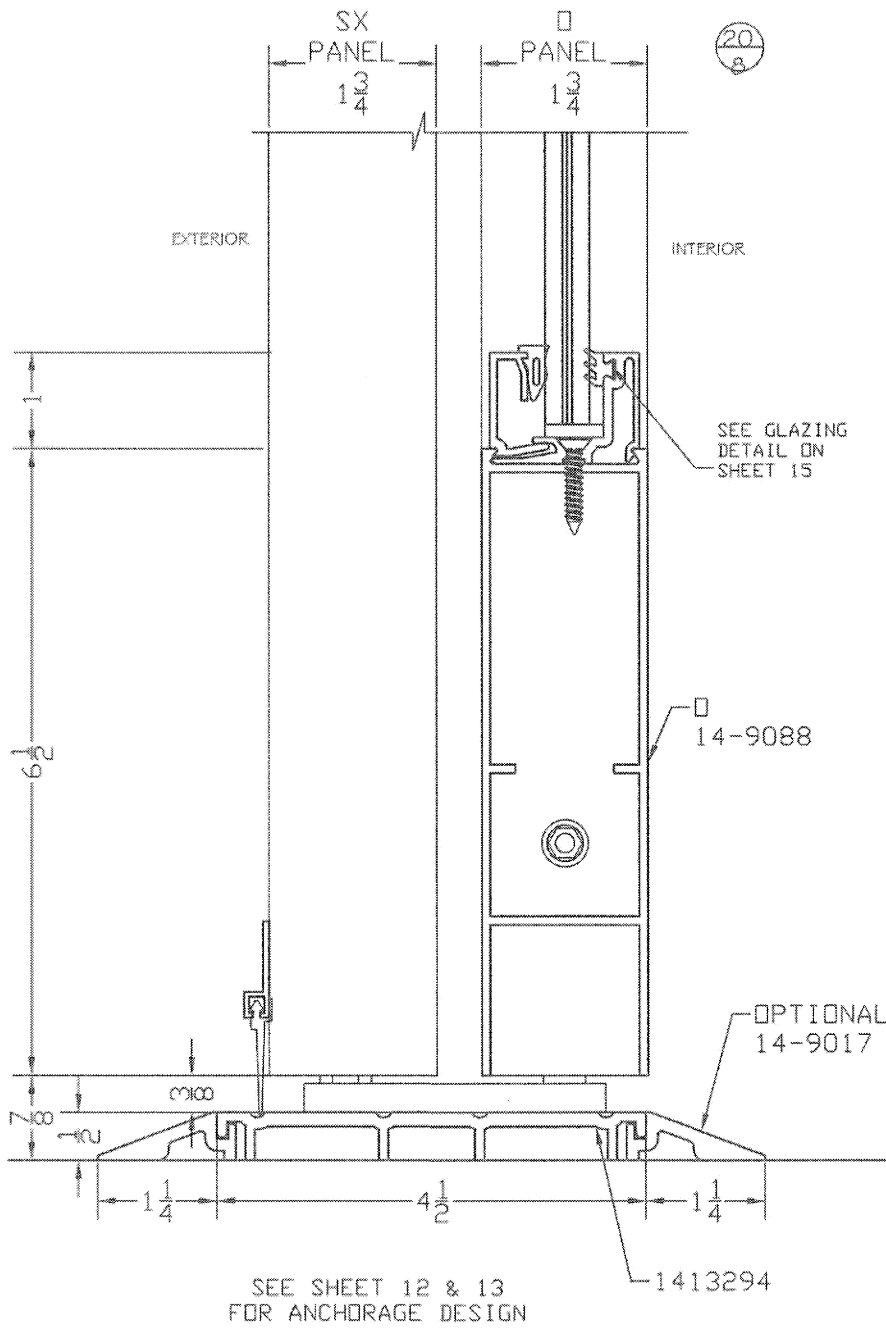
SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
7 OF 21

SILL SECTION DETAILS - 1175 FS



Pedro De Figueiredo
10/27/2020

ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chande
Miami-Dade Product Control

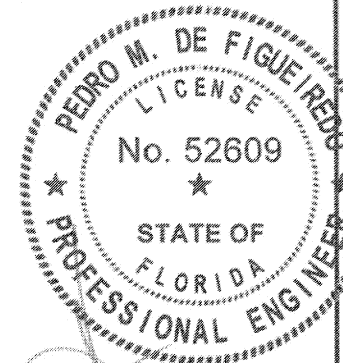
MIAMI-DADE BCCO:

PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

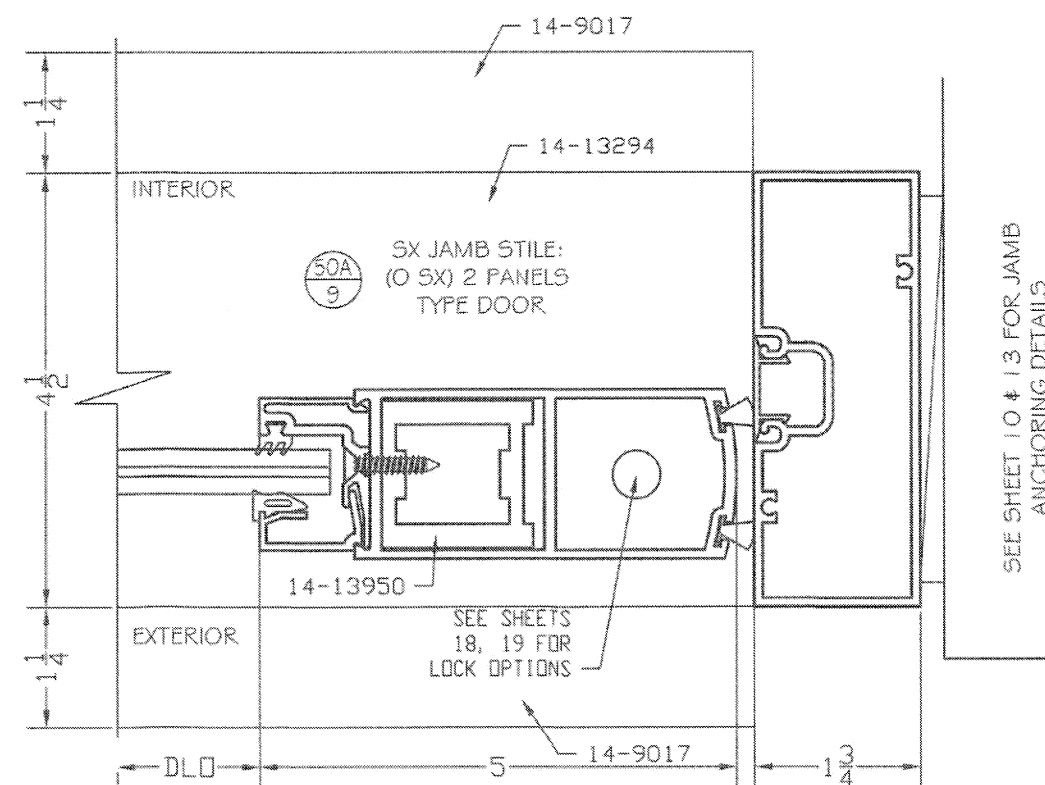
MANUFACTURER:
NABCO
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
8 OF 21

50
9 JAMB
STILE



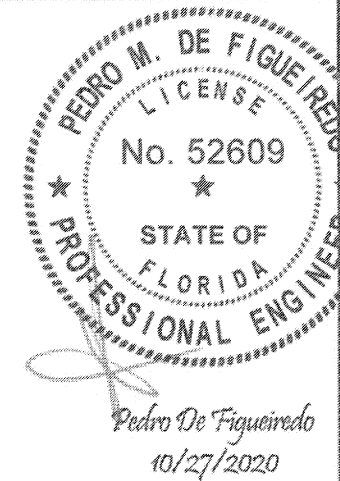
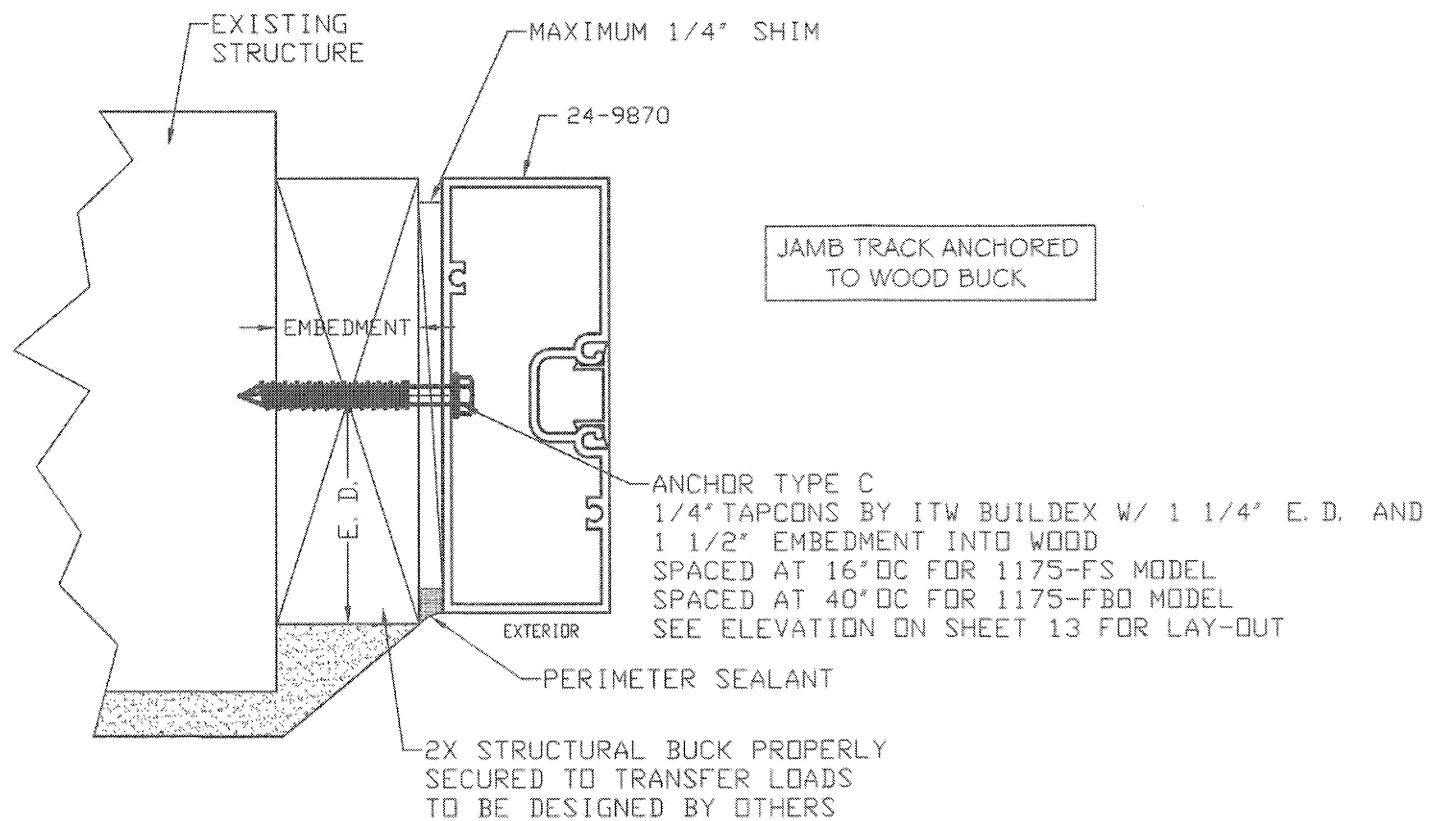
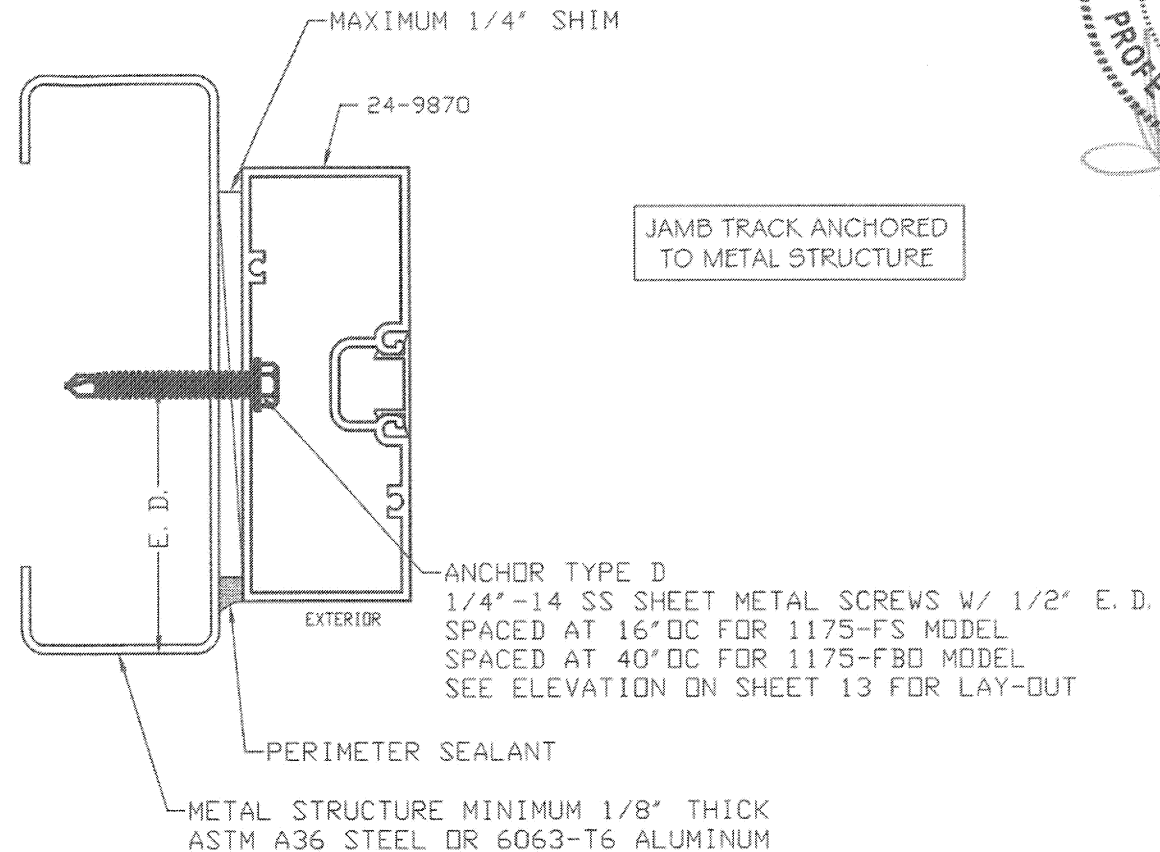
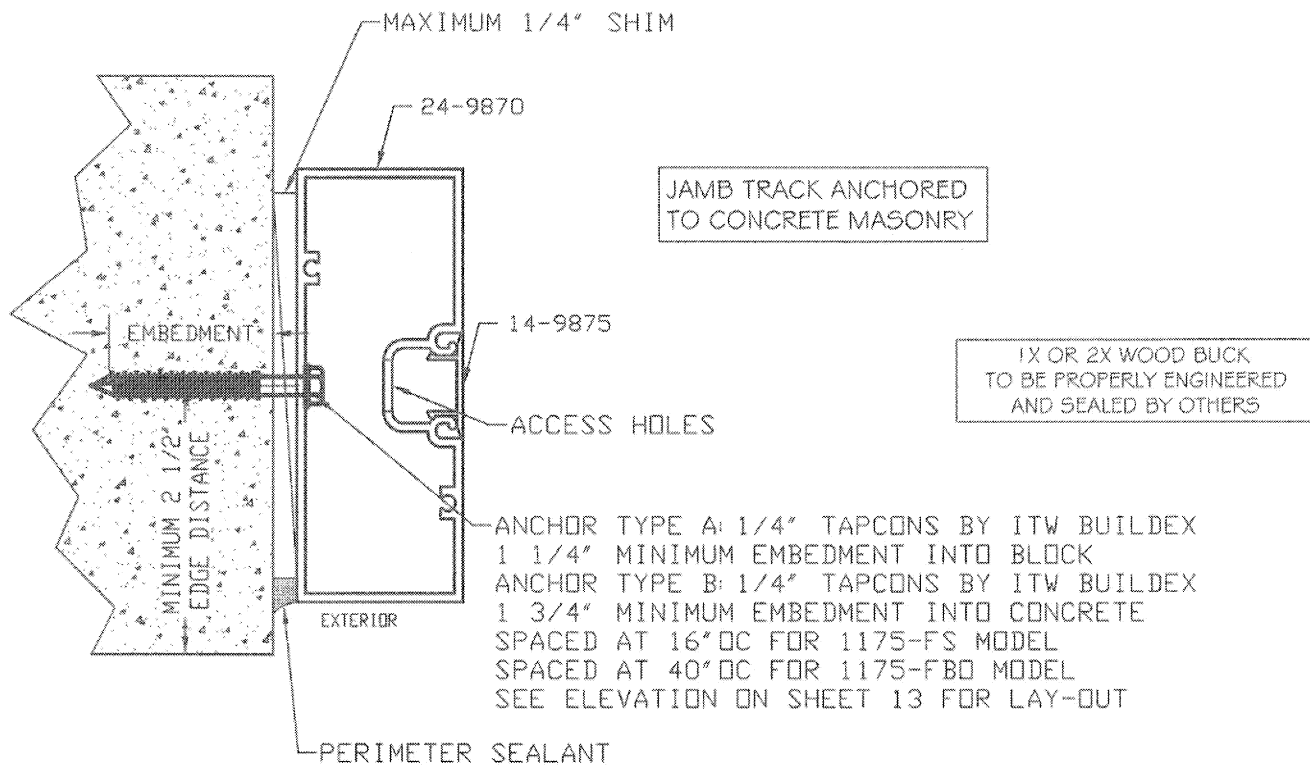
| |
|------------|
| SCALE: |
| NA |
| DATE: |
| 10/27/2020 |
| DRAWING # |
| 20-167 |
| SHEET |
| 9 OF 21 |



SEE SHEET 10 & 13 FOR JAMB
ANCHORING DETAILS

MIAMI-DADE BCCO:

JAMB FRAMING ANCHORAGE DETAILS



ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 20-1106.04

Expiration Date 12/26/2023

By Ishaq I. Chande
Miami-Dade Product Control

MIAMI-DADE BCCO:

SCALE:
NA

DATE:

10/27/2020

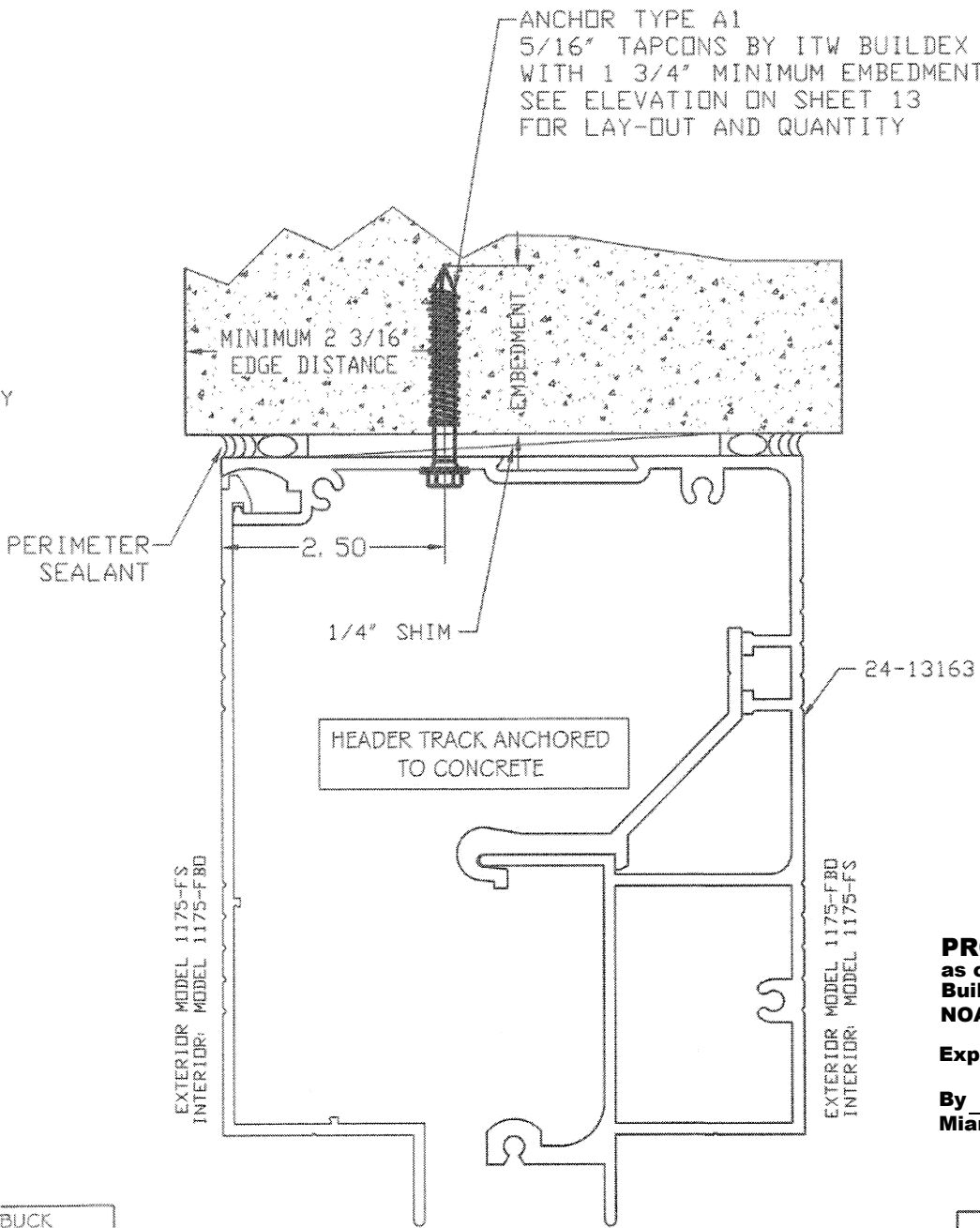
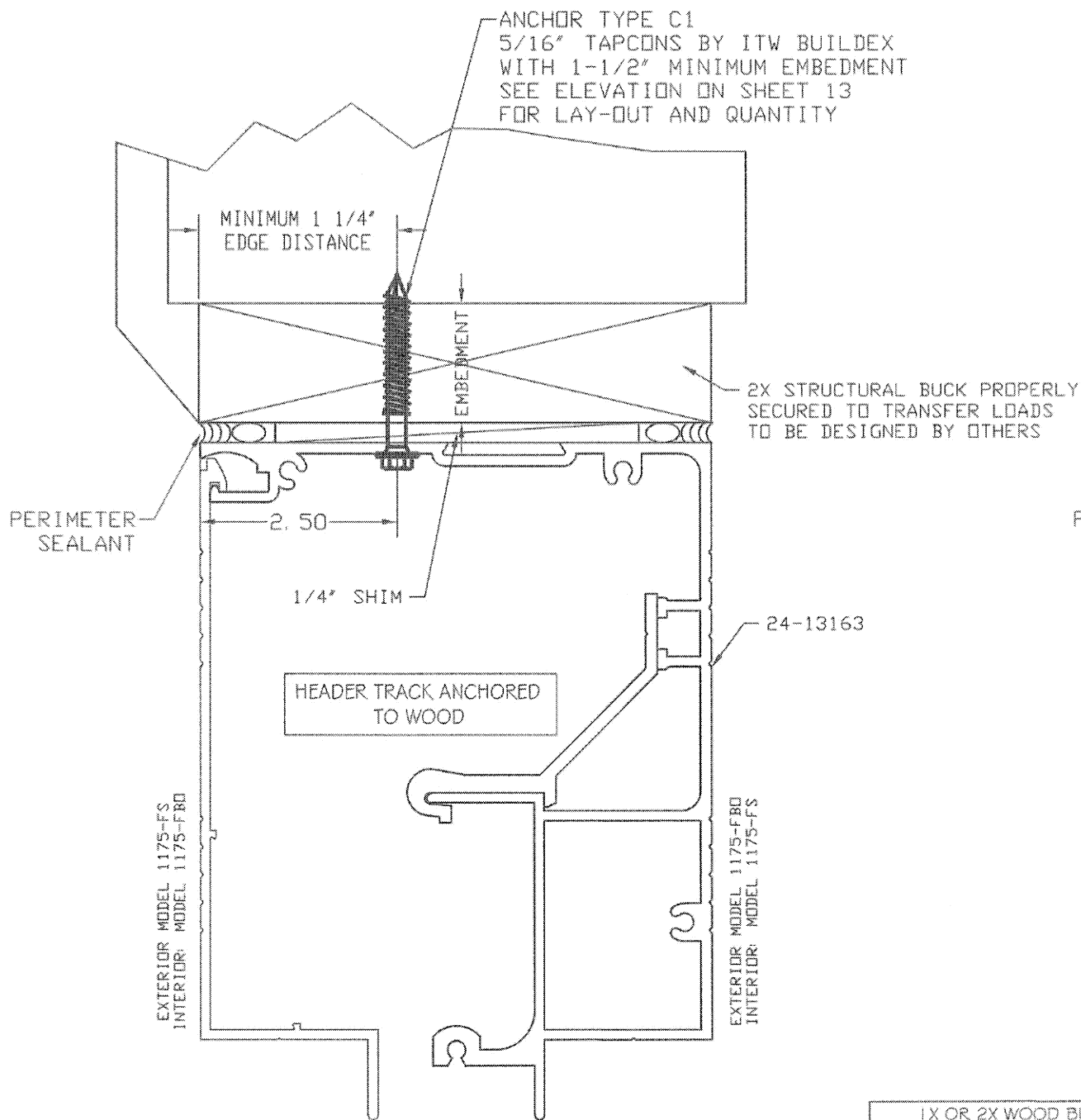
DRAWING #

20-167

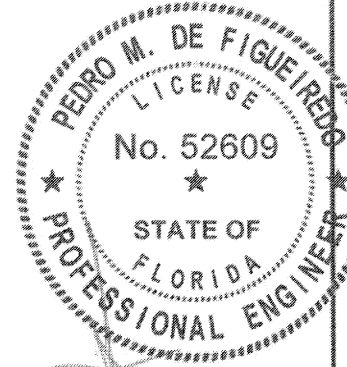
SHEET

10 OF 21

HEADER FRAMING ANCHORAGE DETAILS



1X OR 2X WOOD BUCK
TO BE PROPERLY ENGINEERED
AND SEALED BY OTHERS



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE 4 SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



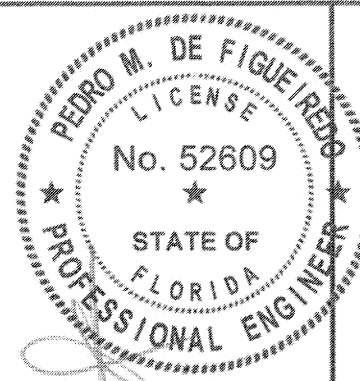
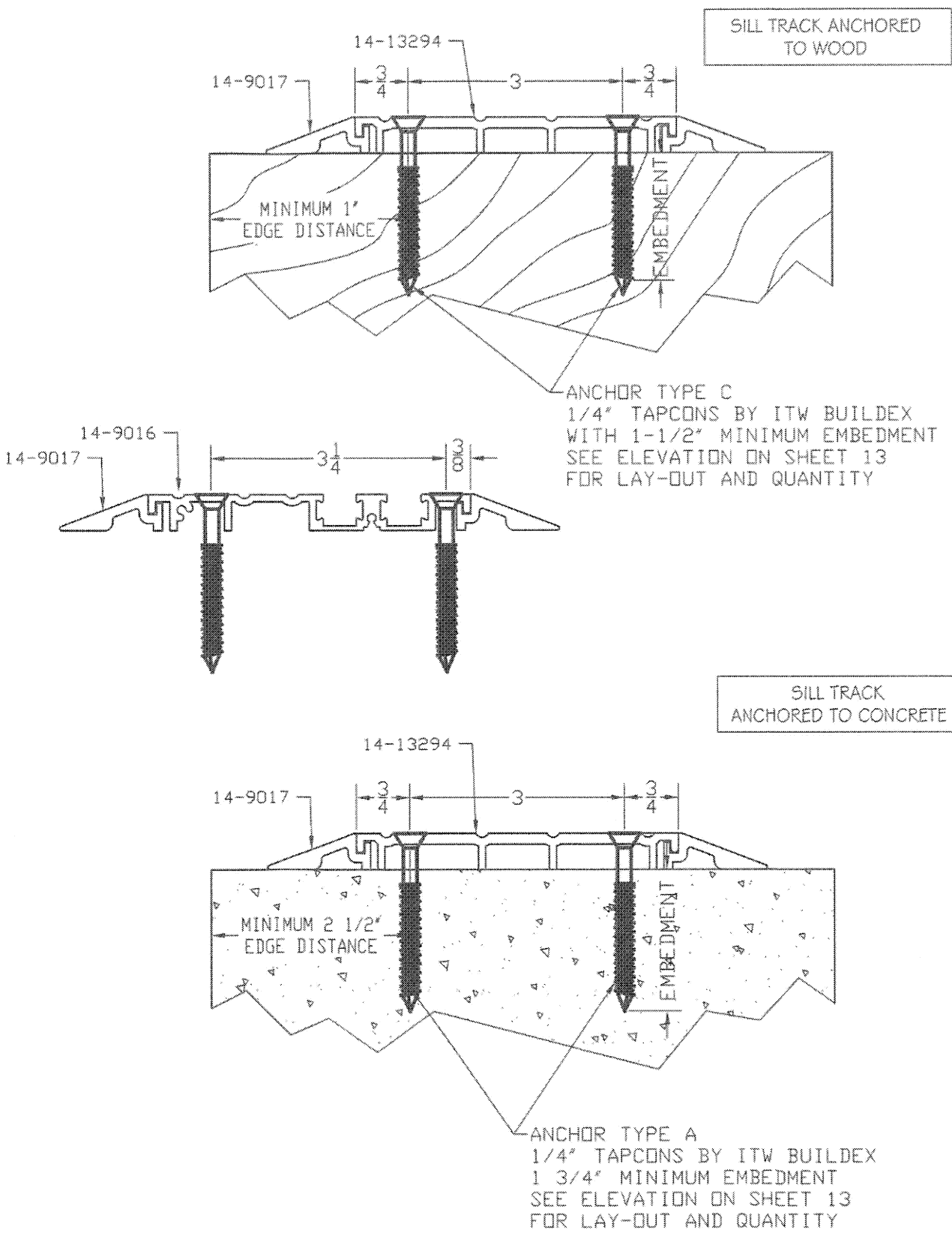
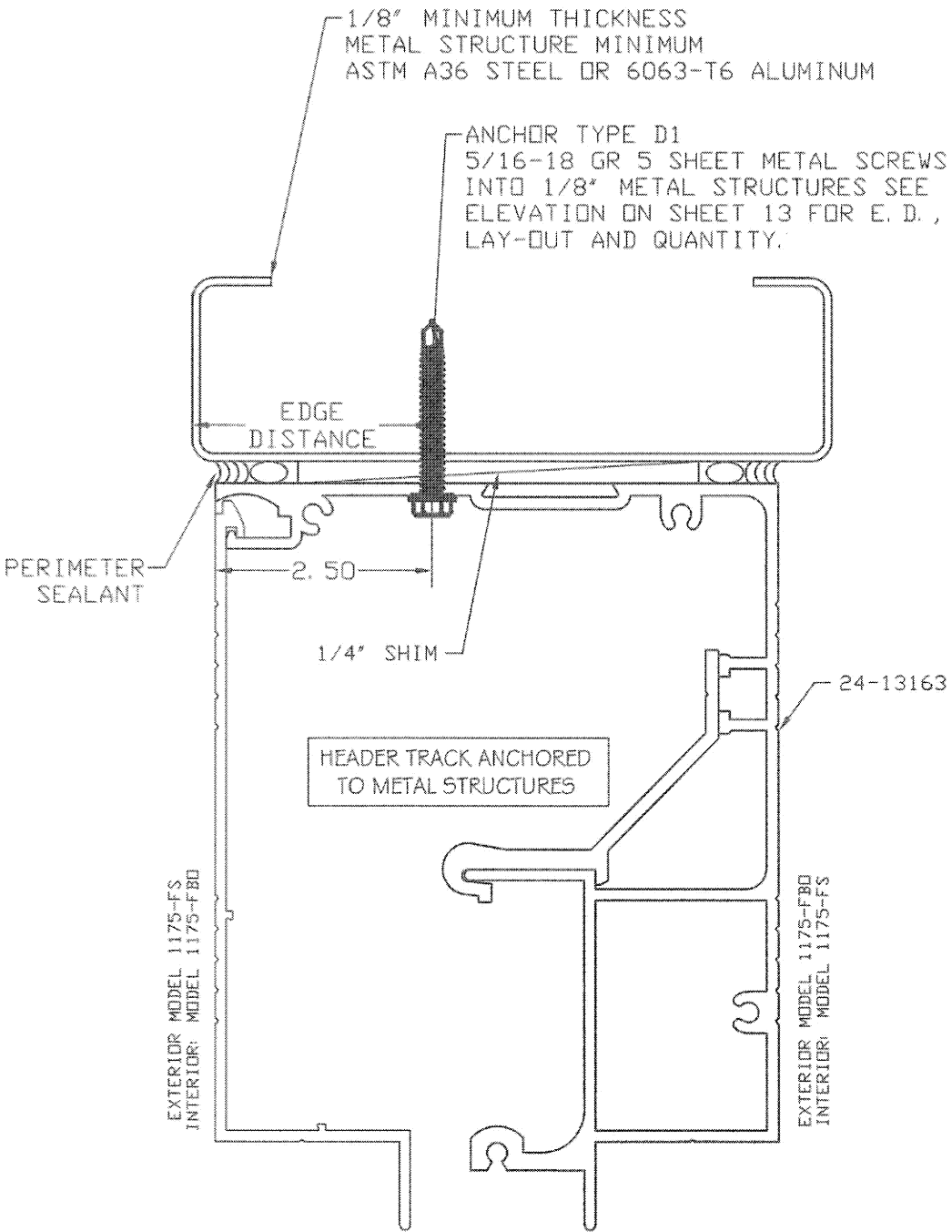
MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishaq I. Chande
Miami-Dade Product Control

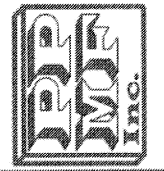
MIAMI-DADE BCCO:

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
11 OF 21

HEADER & SILL FRAMING ANCHORAGE DETAILS



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chahin
Miami-Dade Product Control

MIAMI-DADE BCCO:

| | |
|-----------|------------|
| SCALE: | NA |
| DATE: | 10/27/2020 |
| DRAWING # | 20-167 |
| SHEET | 12 OF 21 |

TABLE 3 - FRAMING SILL TRACK ANCHORAGE CAPACITY IN PSF
FUNCTION OF ANCHOR TYPE AND NUMBER OF PAIR CLUSTERS
AT MEETING AND INTERLOCK STILES

| FH (IN) | DM (IN) | ANCHOR TYPE AND # OF PAIR / CLUSTERS | |
|------------|------------|--------------------------------------|-----------------|
| | | TYPE A OR C | |
| | | 3 PAIR CLUSTERS | 2 PAIR CLUSTERS |
| 92 | 36 | 105 | 70 |
| | 39 | 97 | 65 |
| | 42 | 90 | 60 |
| | 45 | 84 | 56 |
| | 48 | 79 | 53 |
| 96 | 54 | 70 | 47 |
| | 36 | 101 | 67 |
| | 39 | 93 | 62 |
| | 42 | 87 | 58 |
| | 45 | 81 | 54 |
| 100 | 48 | 76 | 51 |
| | 52 | 70 | 47 |
| | 36 | 97 | 65 |
| | 39 | 90 | 60 |
| | 42 | 83 | 55 |
| 104 | 45 | 78 | 52 |
| | 48 | 73 | 48 |
| | 49 | 70 | 47 |
| | 36 | 93 | 62 |
| | 39 | 86 | 57 |
| | 42 | 80 | 53 |
| | 45 | 75 | 50 |
| | 48 | 70 | 47 |

FRAMING ANCHORAGE SELECTION

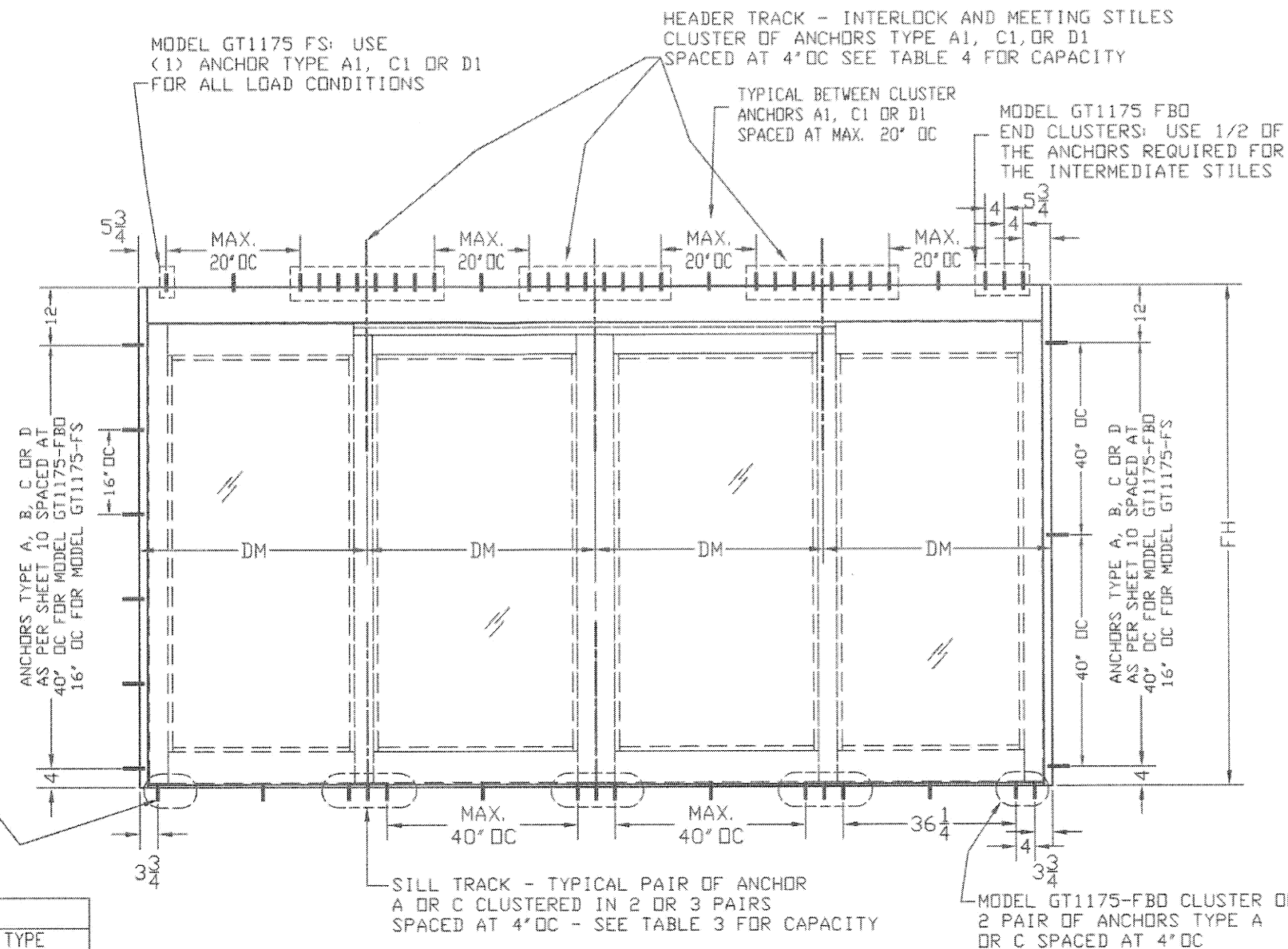
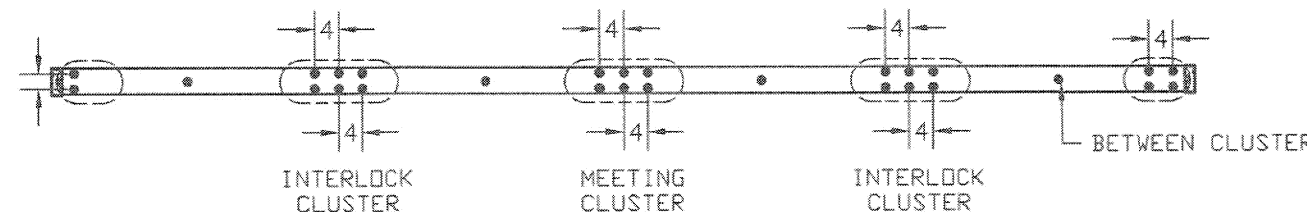


TABLE 4 - FRAMING HEADER TRACK ANCHORAGE CAPACITY IN PSF
FUNCTION OF ANCHOR TYPE AND NUMBER OF CLUSTERS
AT MEETING AND INTERLOCK STILES

| | | ANCHOR TYPE AND # OF SINGLE ROW/CLUSTERS | | | | | | | | | | | | |
|----------|----------|--|-----|----|----|-----|----|----|----|-----|----|----|----|---|
| FH IN | DM IN | A1 | | | | C1 | | | | D1 | | | | TYPE CLUSTERS |
| | | 10 | 8 | 6 | 4 | 10 | 8 | 6 | 4 | 10 | 8 | 6 | 4 | |
| 92 | 36 | 105 | 105 | 79 | 53 | 105 | 96 | 72 | 48 | 105 | 90 | 68 | 45 | 3 C |
| | 39 | 97 | 97 | 73 | 49 | 97 | 89 | 67 | 44 | 97 | 83 | 63 | 42 | |
| | 42 | 90 | 90 | 68 | 45 | 90 | 82 | 62 | 41 | 90 | 77 | 58 | 39 | |
| | 45 | 84 | 84 | 63 | 42 | 84 | 77 | 58 | 38 | 84 | 72 | 54 | 36 | |
| | 48 | 79 | 79 | 59 | 40 | 79 | 72 | 54 | 36 | 79 | 68 | 51 | 34 | |
| 96 | 54 | 70 | 70 | 53 | 35 | 70 | 64 | 48 | 32 | 70 | 60 | 45 | 30 | A-1 A1- B-1 C-1 C1- D-1 D1- |
| | 36 | 101 | 101 | 76 | 51 | 101 | 92 | 69 | 46 | 101 | 87 | 65 | 43 | |
| | 39 | 93 | 93 | 70 | 47 | 93 | 85 | 64 | 42 | 93 | 80 | 60 | 40 | |
| | 42 | 87 | 87 | 65 | 43 | 87 | 79 | 59 | 39 | 87 | 74 | 56 | 37 | |
| | 45 | 81 | 81 | 61 | 41 | 81 | 74 | 55 | 37 | 81 | 69 | 52 | 35 | |
| 100 | 48 | 76 | 76 | 57 | 38 | 76 | 69 | 52 | 35 | 76 | 65 | 49 | 32 | NOTE 1- M 3- M 5- F |
| | 52 | 70 | 70 | 53 | 35 | 70 | 64 | 48 | 32 | 70 | 60 | 45 | 30 | |
| | 36 | 97 | 97 | 73 | 49 | 97 | 88 | 66 | 44 | 97 | 83 | 62 | 42 | |
| | 39 | 90 | 90 | 67 | 45 | 90 | 82 | 61 | 41 | 90 | 77 | 58 | 38 | |
| | 42 | 83 | 83 | 63 | 42 | 83 | 76 | 57 | 38 | 83 | 71 | 53 | 36 | |
| 104 | 45 | 78 | 78 | 58 | 39 | 78 | 71 | 53 | 35 | 78 | 67 | 50 | 33 | |
| | 48 | 73 | 73 | 55 | 36 | 73 | 66 | 50 | 33 | 73 | 62 | 47 | 31 | |
| | 49 | 70 | 70 | 53 | 35 | 70 | 64 | 48 | 32 | 70 | 60 | 45 | 30 | |
| | 36 | 93 | 93 | 70 | 47 | 93 | 85 | 64 | 42 | 93 | 80 | 60 | 40 | |
| | 39 | 86 | 86 | 65 | 43 | 86 | 78 | 59 | 39 | 86 | 74 | 55 | 37 | |
| | 42 | 80 | 80 | 60 | 40 | 80 | 73 | 55 | 36 | 80 | 69 | 51 | 34 | |
| | 45 | 75 | 75 | 56 | 37 | 75 | 68 | 51 | 34 | 75 | 64 | 48 | 32 | |
| | 48 | 70 | 70 | 53 | 35 | 70 | 64 | 48 | 32 | 70 | 60 | 45 | 30 | |

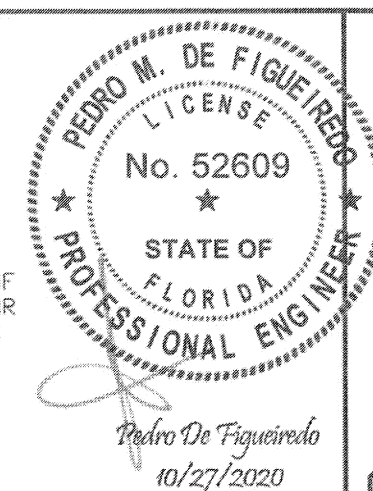
3" OR 3 1/4"



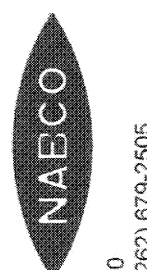
| ANCHOR TYPES: | | MINIMUM EDGE DISTANCE |
|---|--|--|
| A- 1/4" TAPCON BY ITW WITH 1 3/4" MIN. EMBEDMENT INTO 3000 PSI CONCRETE | | 2 1/2" |
| A1- 5/16" TAPCON BY ITW WITH 1 3/4" MIN. EMBEDMENT INTO 3000 PSI CONCRETE | | 2 3/16" |
| B- 1/4" TAPCON BY ITW WITH 1 1/4" MIN. EMBEDMENT INTO HOLLOW BLOCK | | 2 1/2" |
| C- 1/4" TAPCON BY ITW WITH 1 1/2" MIN. EMBEDMENT INTO PT WOOD (SG=0.55) | | 1" |
| C1- 5/16" TAPCON (F _y =115 KSI) BY ITW WITH 1 1/2" MIN. EMBEDMENT INTO PT WOOD (SG=0.55) | | 1 1/4" |
| D- 1/4-14 GR 5 SHEET METAL SCREWS INTO 1/8" METAL STRUCTURES | | 1/2" |
| D1- 5/16-18 GR 5 SHEET METAL SCREWS INTO 1/8" METAL STRUCTURES | | 1" |
| NOTES: | | |
| 1- MINIMUM EMBEDMENT ARE BEYOND WALL DRESSING | | 2- TAPCONS WITH FLAT, HEX AND/OR PAN HEADS CAN BE USED |
| 3- METAL STRUCTURES ARE ASTM A36 STEEL OR 6063-T6 ALUMINUM | | 4- ANCHOR TYPE D MUST HAVE A MINIMUM 3 THREADS EMBEDMENT |
| 5- HEADER & JAMB ANCHORS ARE INSTALLED INTO A SINGLE ROW | | 6- SILL ANCHORS ARE DISTRIBUTED INTO TWO IN LINE ROWS |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chank
Miami-Dade Product Control

MIAMI-DADE BCCO:



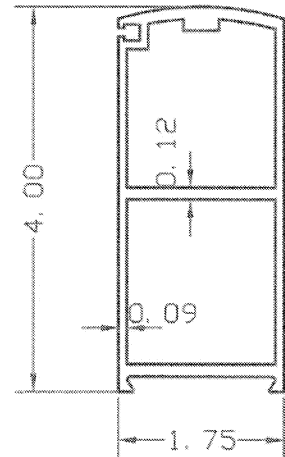
PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



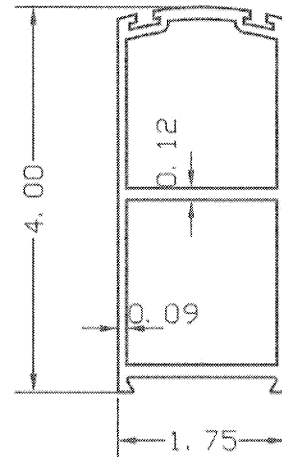
MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
13 OF 21

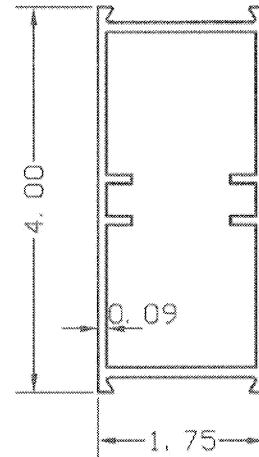
DOOR COMPONENTS



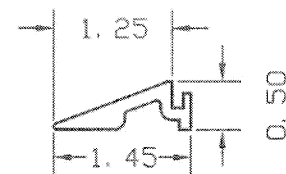
14-13288
4" PIVOT STILE
ALLOY: 6063-T5



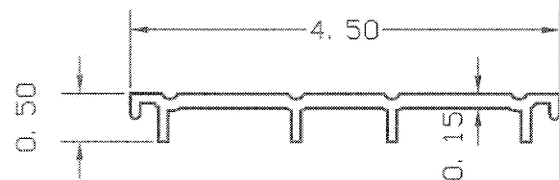
14-13289
4" STILE
ALLOY: 6063-T5



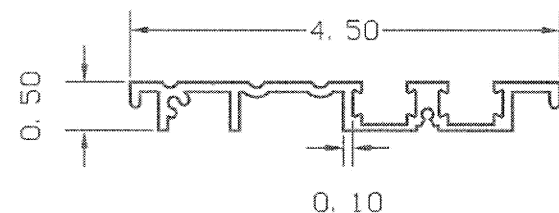
24-0328
4" FIXED VERTICAL
STILE AND MUNTIN
ALLOY: 6063-T5



14-9017
THRESHOLD RAMP
ALLOY: 6063-T5



14-13294 - THRESHOLD
GT1175 - F5 & FBO THRESHOLD
ALLOY: 6063-T5

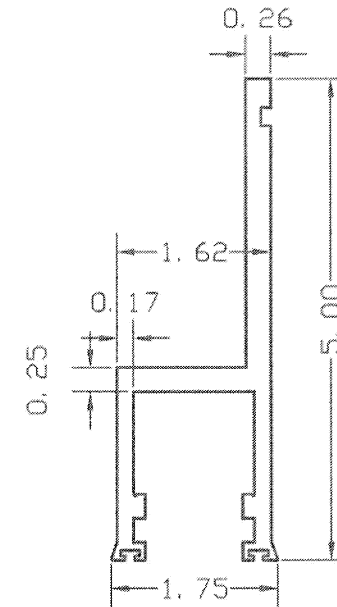


14-9016 - THRESHOLD
GT1175 - FBO
ALLOY: 6063-T5

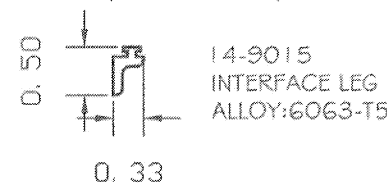
THRESHOLD 14-13294 INSTALLED FROM JAMB TO JAMB
ON GT1175-F5 (O 5X-5X O AND O 5X) APPLICATIONS

THRESHOLD 14-13294 INSTALLED ONLY IN THE DOOR OPENING (SX)
ON GT1175-FBO (SO 5X-5X SO AND SO 5X) APPLICATIONS

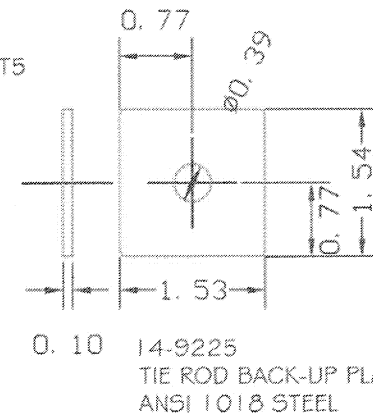
THRESHOLD 14-9016 INSTALLED ONLY UNDER THE DOOR FIXED PANELS (SO)
ON GT1175-FBO (SO 5X-5X SO AND SO 5X) APPLICATIONS



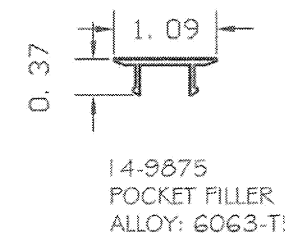
14-9014
DOOR CARRIER
ALLOY: 6063-T5



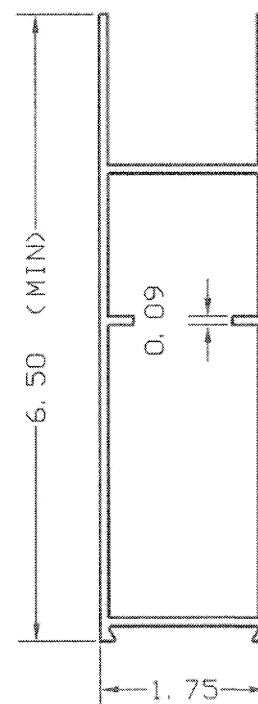
14-9015
INTERFACE LEG
ALLOY: 6063-T5



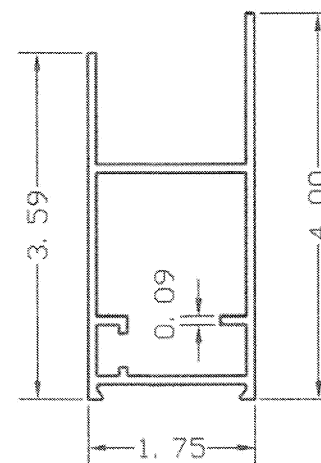
14-9225
TIE ROD BACK-UP PLATE
ANSI 1018 STEEL



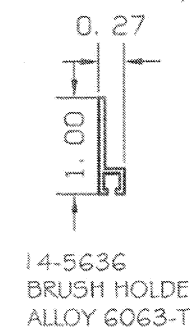
14-9875
POCKET FILLER
ALLOY: 6063-T5



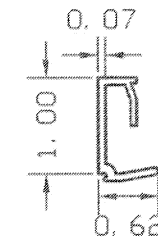
14-9088
SIDELITE TOP & BOTTOM RAIL
DOOR BOTTOM RAIL
ALLOY: 6063-T5



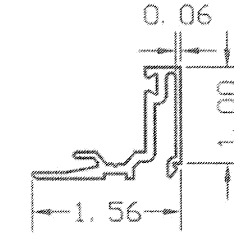
14-9359
DOOR TOP RAIL
ALLOY: 6063-T5



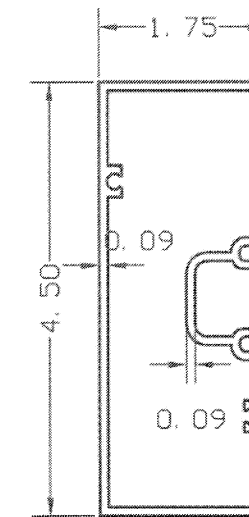
14-5636
BRUSH HOLDER
ALLOY 6063-T5



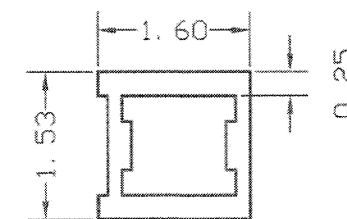
24-13292
GLASS STOP
ALLOY: 6063-T5



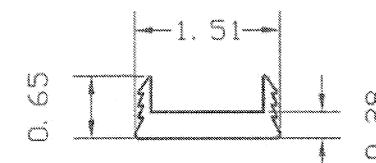
24-13291
GLASS STOP BASE
ALLOY 6063-T5



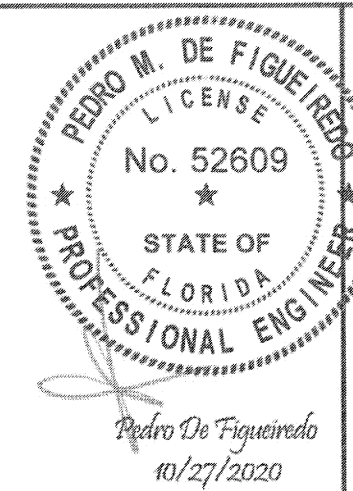
24-9870 - JAMB
ALLOY 6063-T5



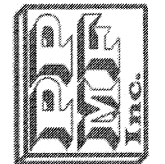
14-13950
ALUMINUM STIFFENER
ALLOY 6063-T5



24-2967
RAIL CLIP
ALLOY 6063-T5



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

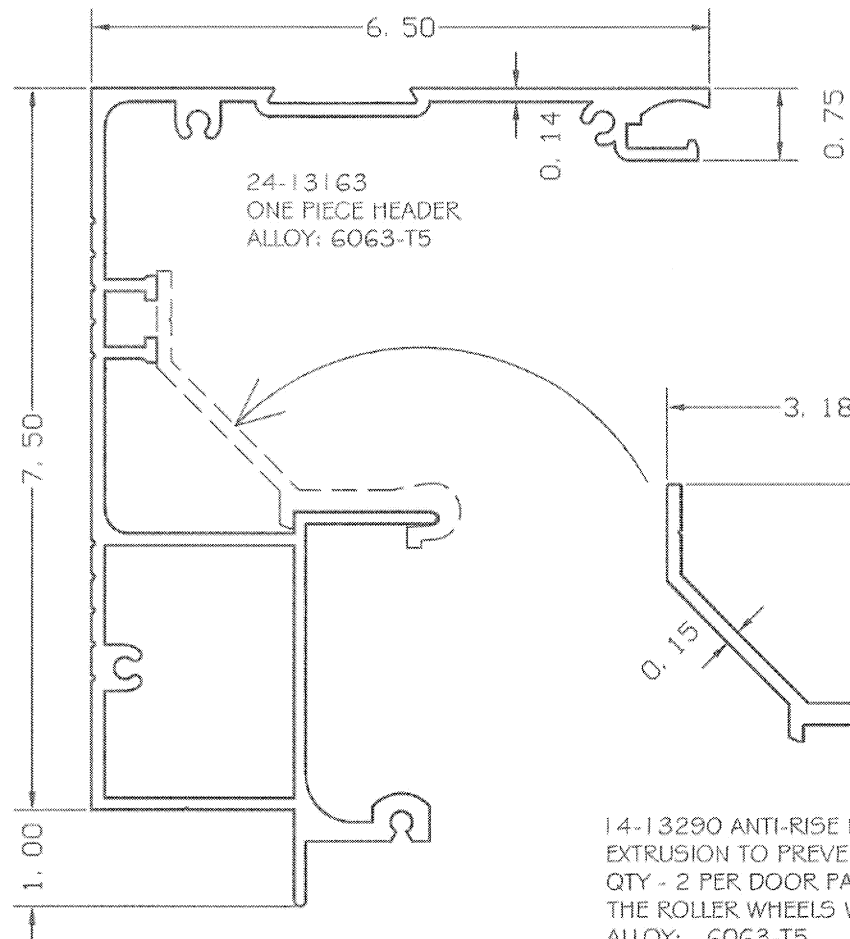


MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chank
Miami-Dade Product Control

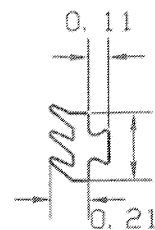
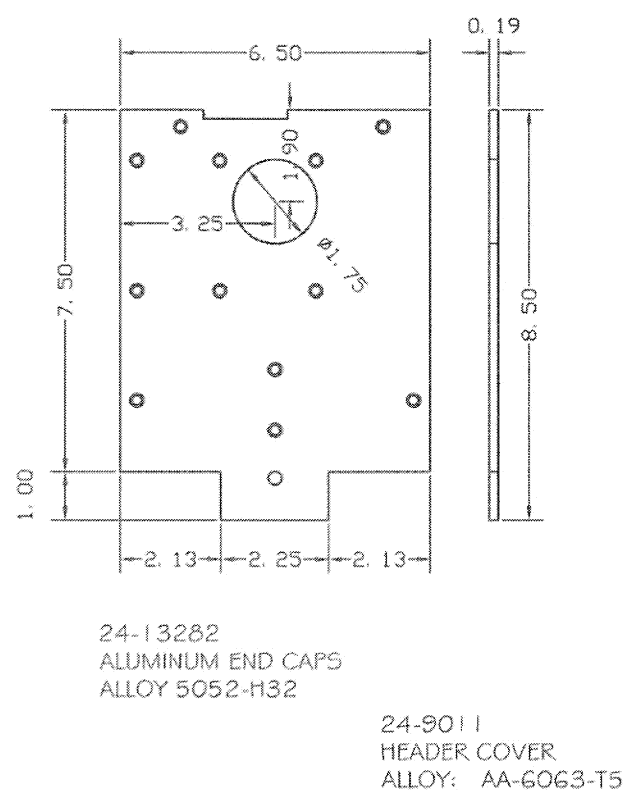
MIAMI-DADE BCCO:

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
14 OF 21



DOOR HEADER COMPONENTS

14-13290 ANTI-RISE ROLLER SUPPORT
EXTRUSION TO PREVENT TRACK ROLLERS FROM DERAILING.
QTY - 2 PER DOOR PANEL, APPROX. 3" LONG CENTERED OVER
THE ROLLER WHEELS WHEN IN THE CLOSED POSITION
ALLOY: 6063-T5



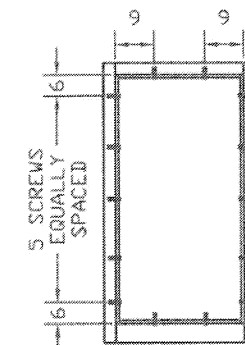
14-13307
INTERIOR GASKET W/ DOVETAIL .150 FC
W/ SILICONE EMULSION

EPDM GLAZING
MANUFACTURER: TRELLEBORG
HARDNESS: 70 SHORE A
TENSILE STRENGTH: 1410 PSI
TEAR STRENGTH: 126 lbf/in
ELONGATION (BREAK) 266%

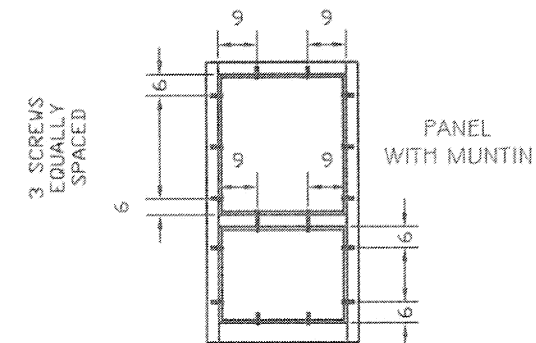


14-14191
EXTERIOR GASKET WEDGE .188 FC
THERMOPLASTIC ELASTOMER

THERMOPLASTIC ELASTOMER GLAZING (W514)
MANUFACTURER: REED RUBBER PRODUCTS
HARDNESS: 66 SHORE A
TENSILE STRENGTH: 798 PSI
TEAR STRENGTH: 166 lbf/in
ELONGATION (BREAK): 320%
SPECIFIC GRAVITY: .97

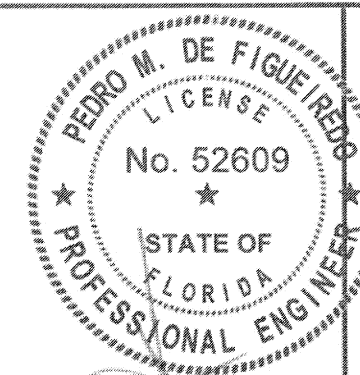


#10X1 FHMS LAY-OUT



PANEL
WITH MUNTIN

PANEL
W/O MUNTIN
Pedro De Figueiredo
10/27/2020



PRODUCT:

SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

MANUFACTURER:

NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:

NA

DATE:

10/27/2020

DRAWING #

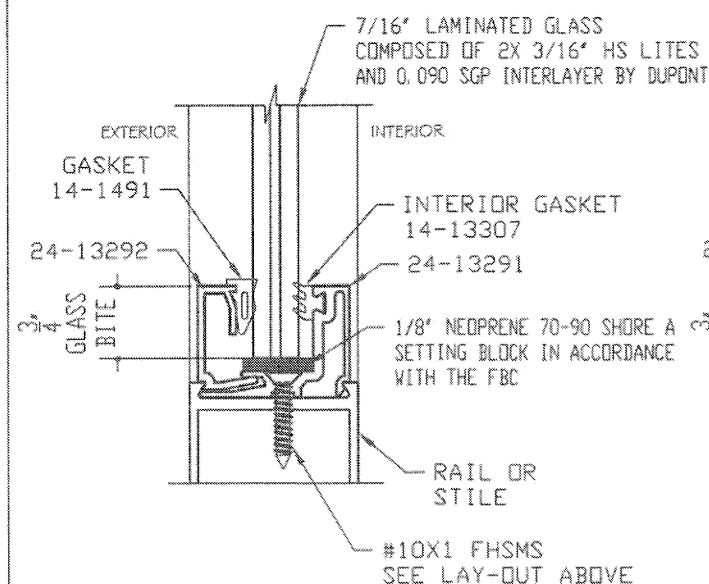
20-167

SHEET

15 OF 21

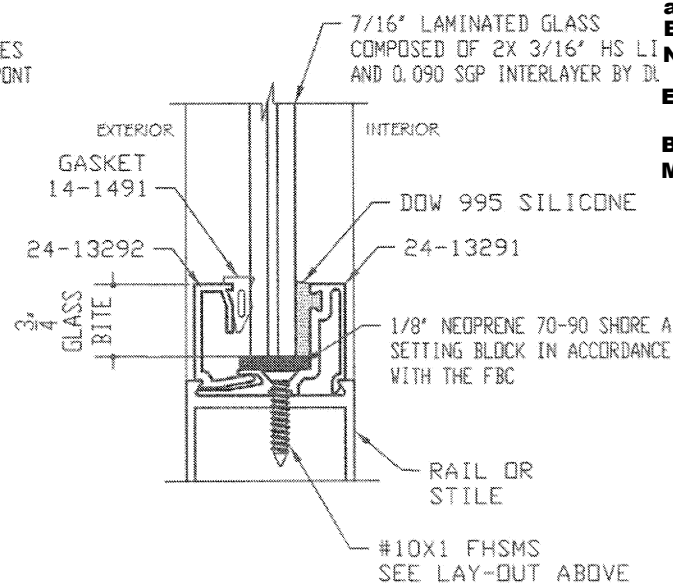
DRY GLAZING DETAIL

ENTIRE PERIMETER ALL LITES
LARGE & SMALL IMPACT



WET GLAZING DETAIL

ENTIRE PERIMETER ALL LITES
LARGE & SMALL IMPACT



PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 20-1106.04

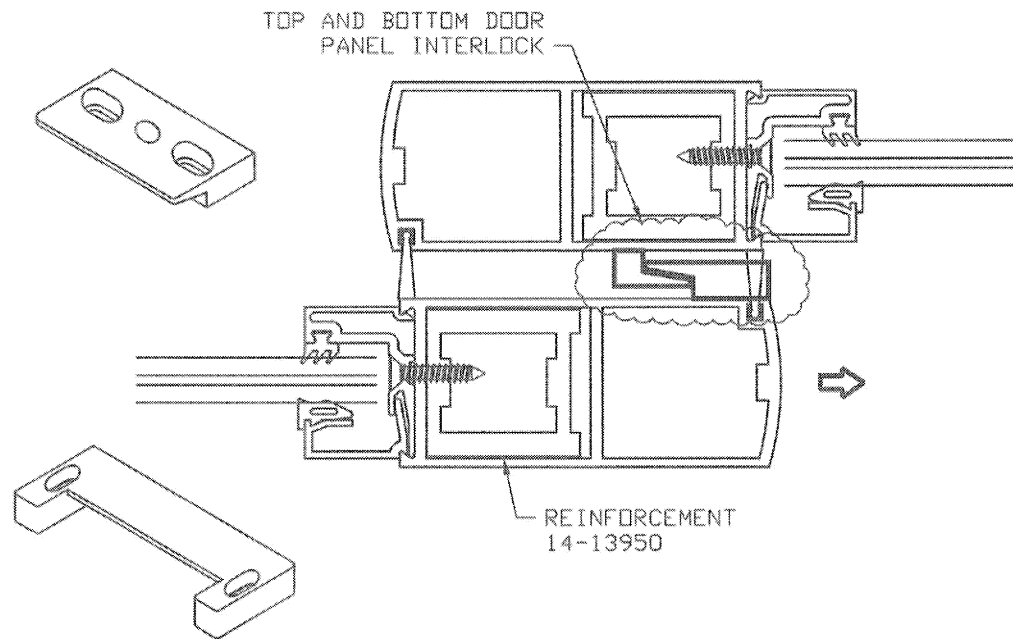
Expiration Date 12/26/2023

By *Ishaq I. Chandra*
Miami-Dade Product Control

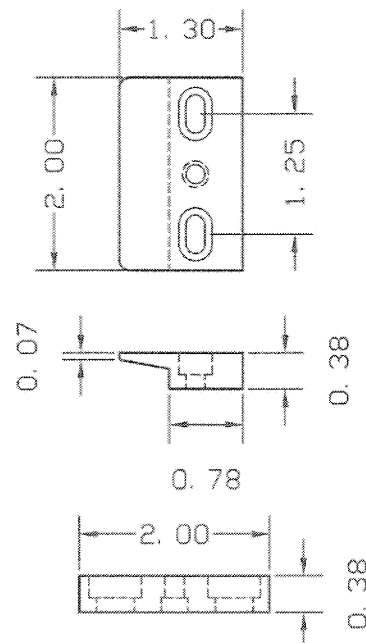
MIAMI-DADE BCCO:

FBO PANEL CORNER CONTRUCTION DETAILS

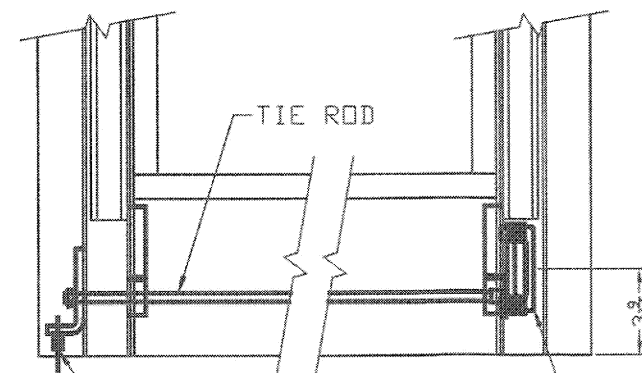
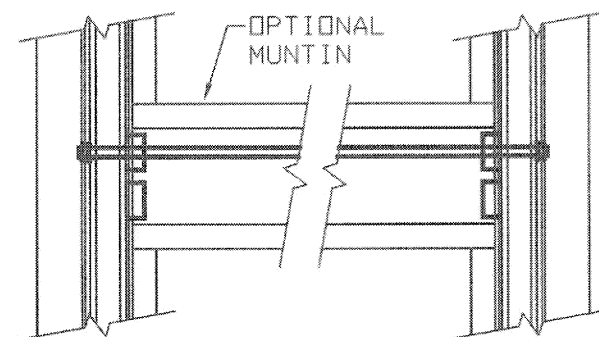
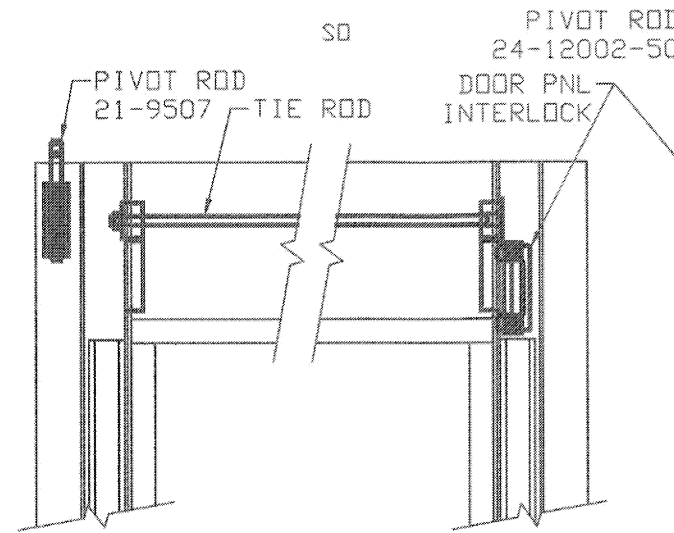
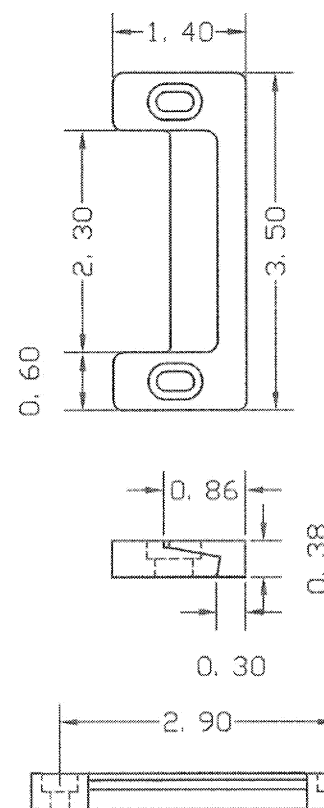
DOOR PANEL INTERLOCK APPLICABLE FOR 1175- FBO ONLY



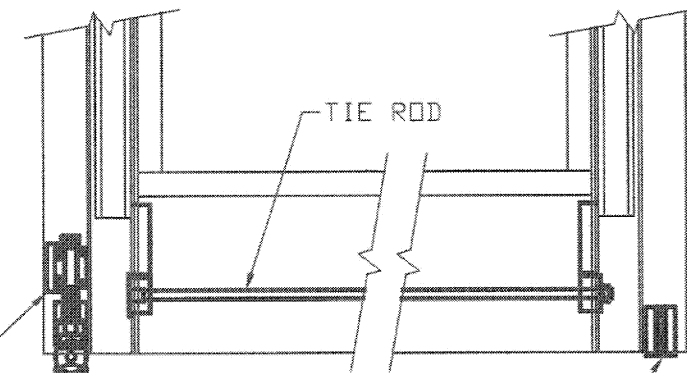
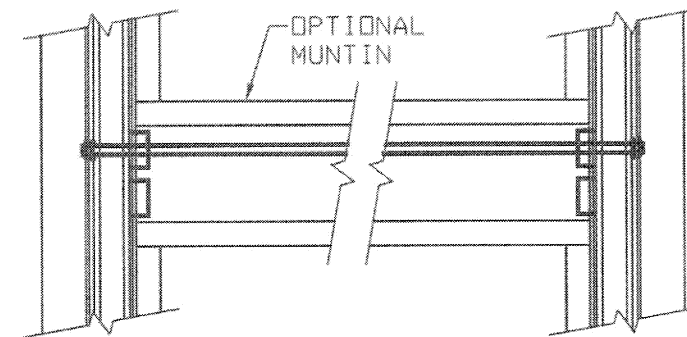
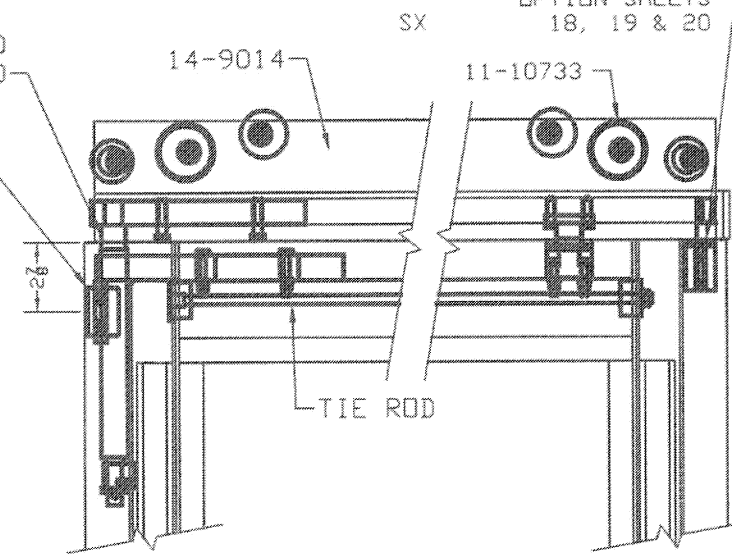
DOOR PANEL INTERLOCK (MALE)
14-14044



DOOR PANEL INTERLOCK (FEMALE)
24-14043



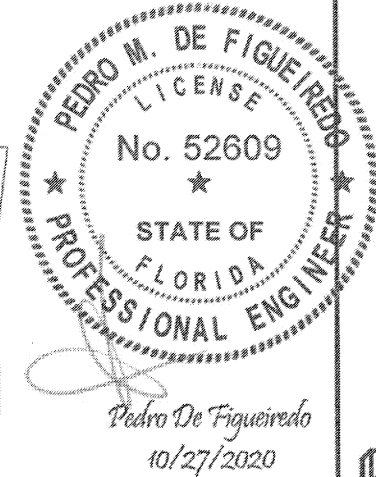
DOOR PNL
INTERLOCK
14-14033
24-14043
14-14044
14-14068



SEE LOCKING
OPTION SHEETS
18, 19 & 20

MIAMI-DADE BCCO:

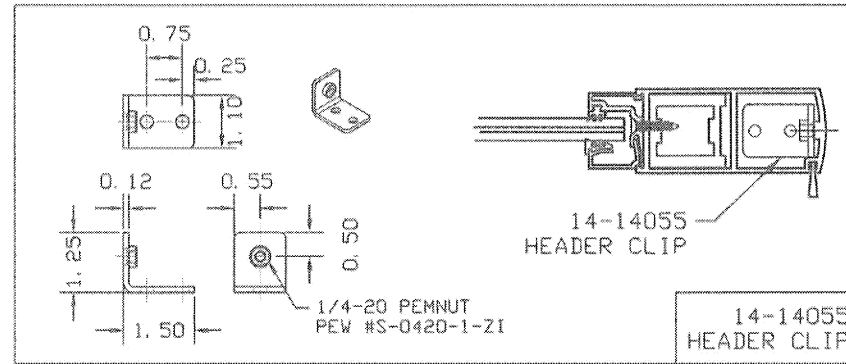
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chank
Miami-Dade Product Control



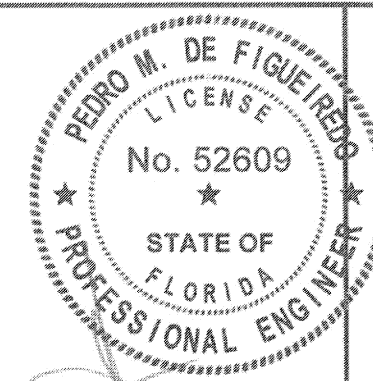
PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

MANUFACTURER:
NABCO
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
16 OF 21



FS PANEL CORNER CONTRUCTION DETAILS



Pedro De Figueiredo
10/27/2020

ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR.



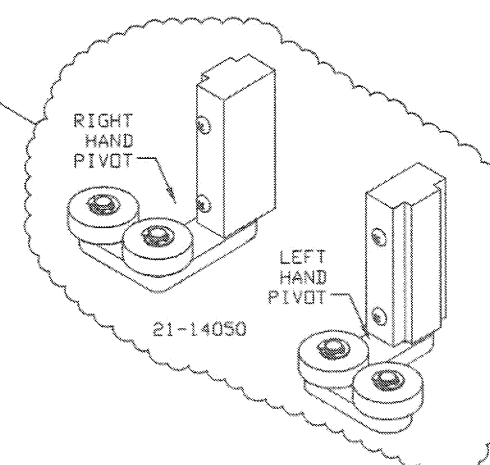
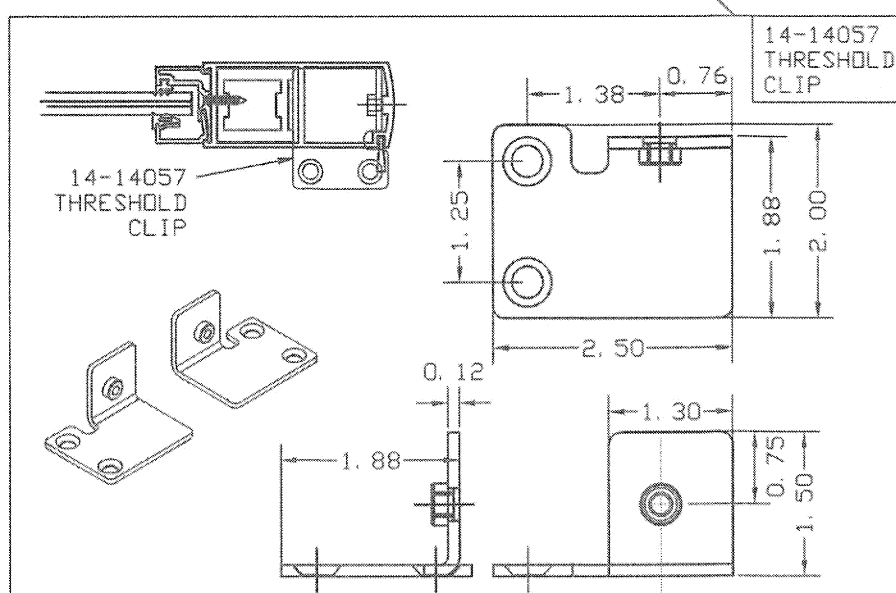
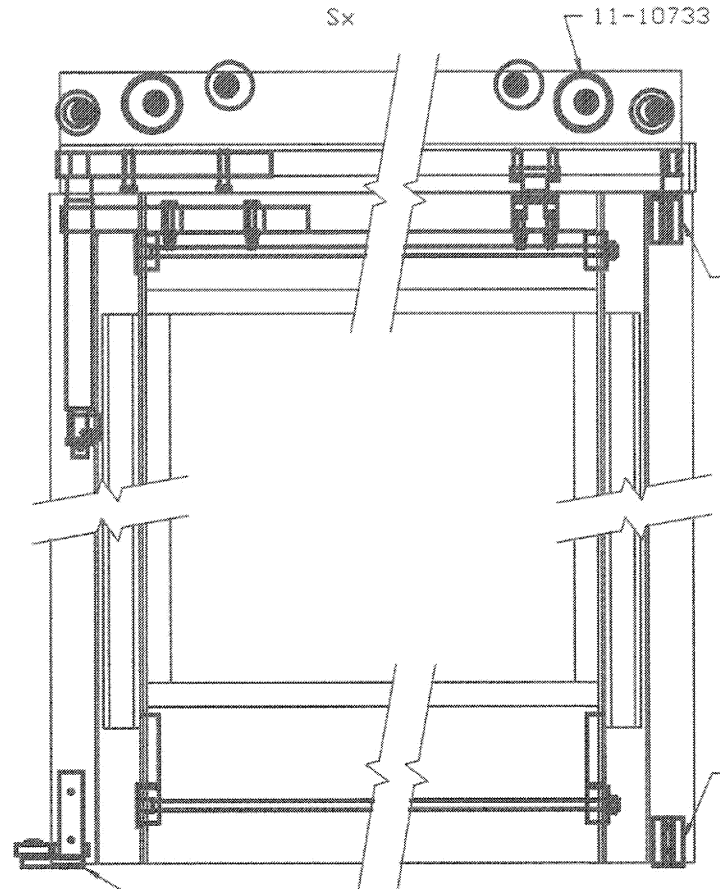
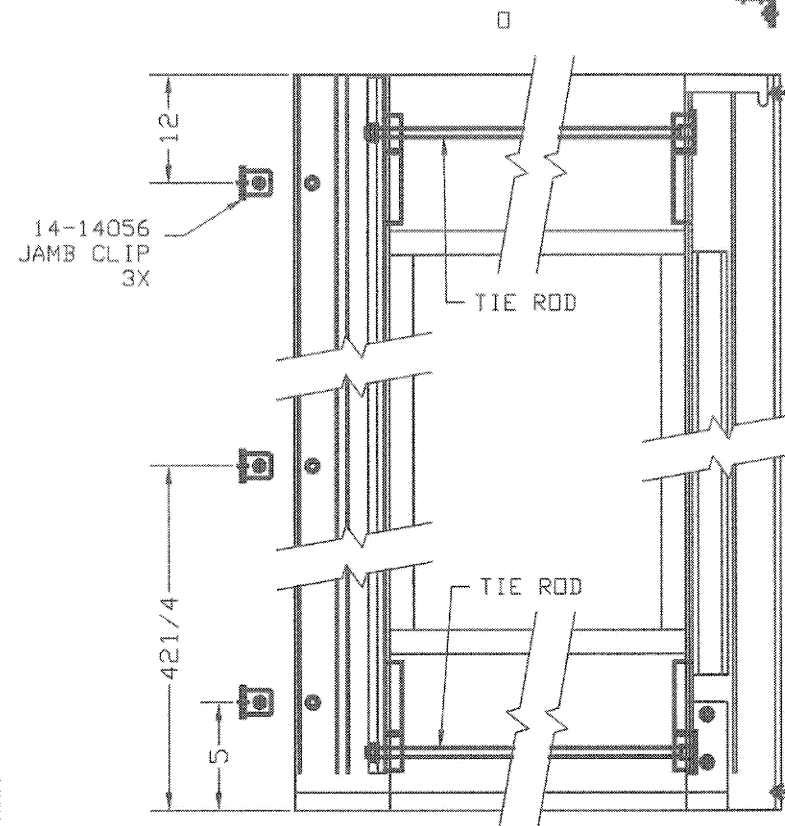
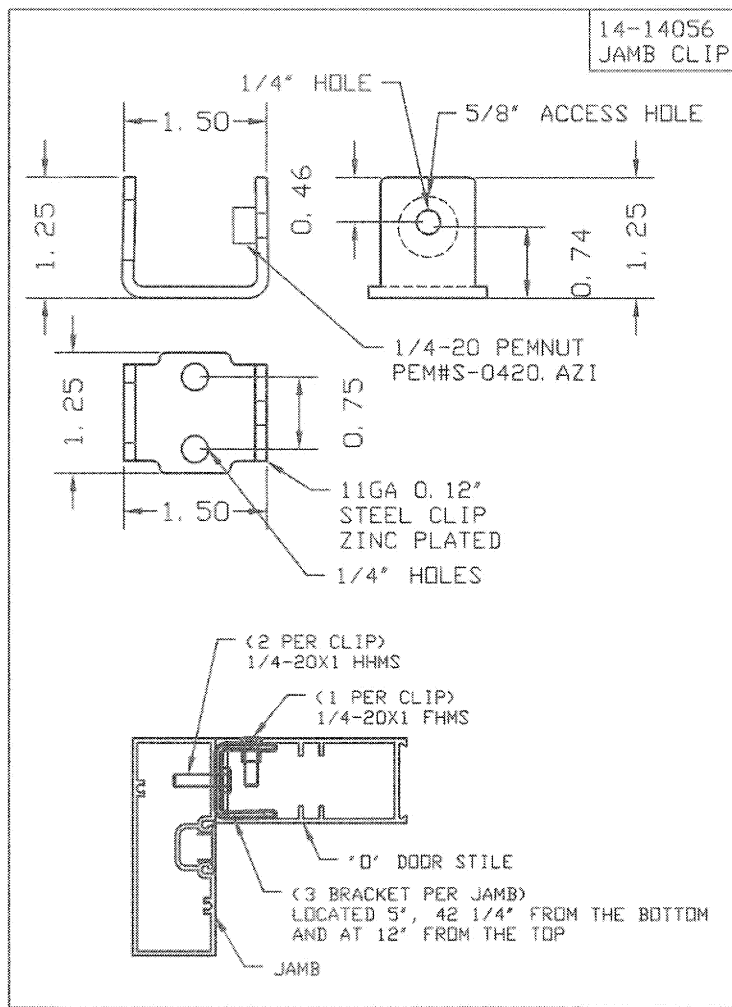
MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chahin
Miami-Dade Product Control

MIAMI-DADE BCCO:

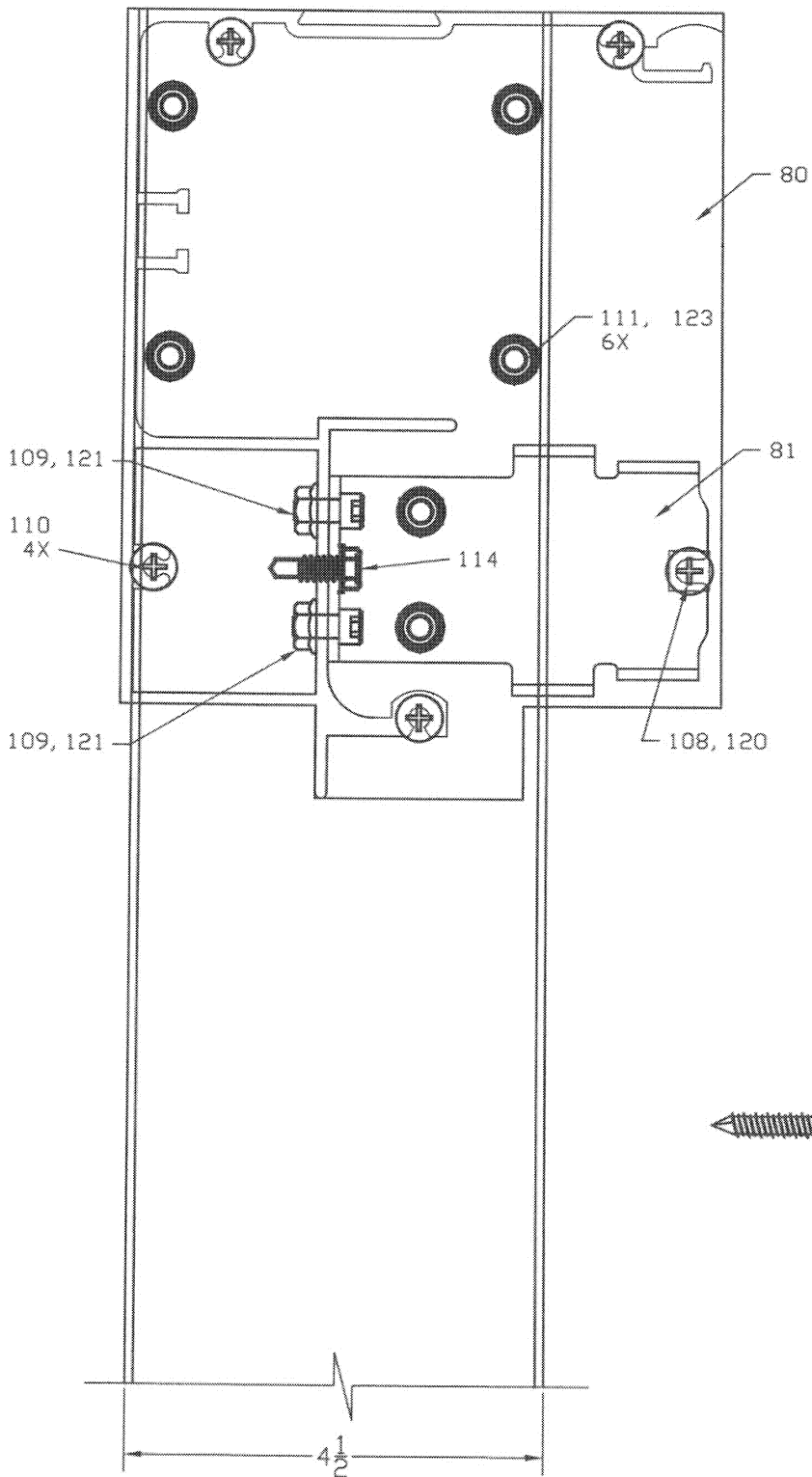
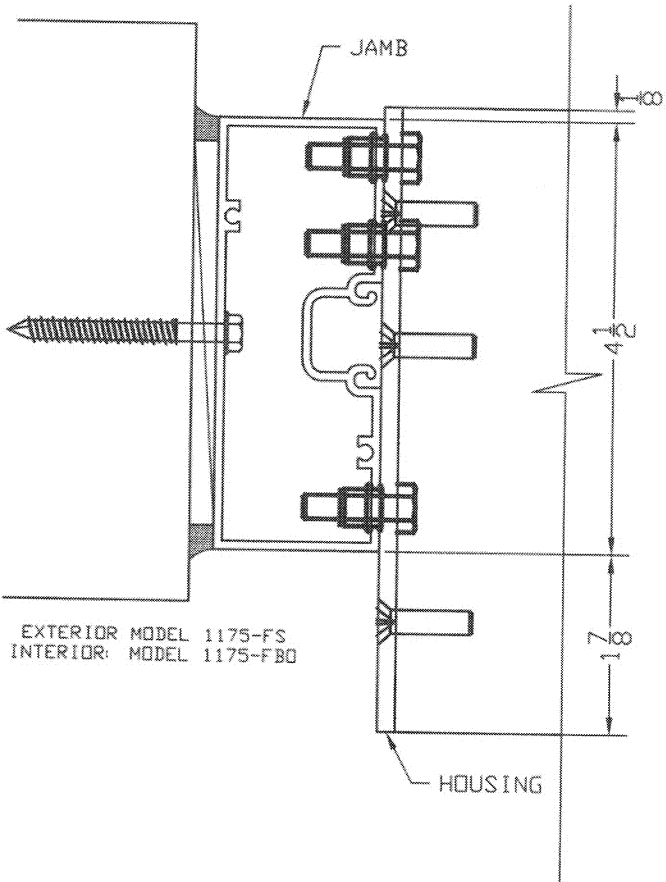
SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
16.1 OF 21

FIXED PANEL ATTACHMENT TO JAMB
APPLICABLE FOR 1175- FS ONLY

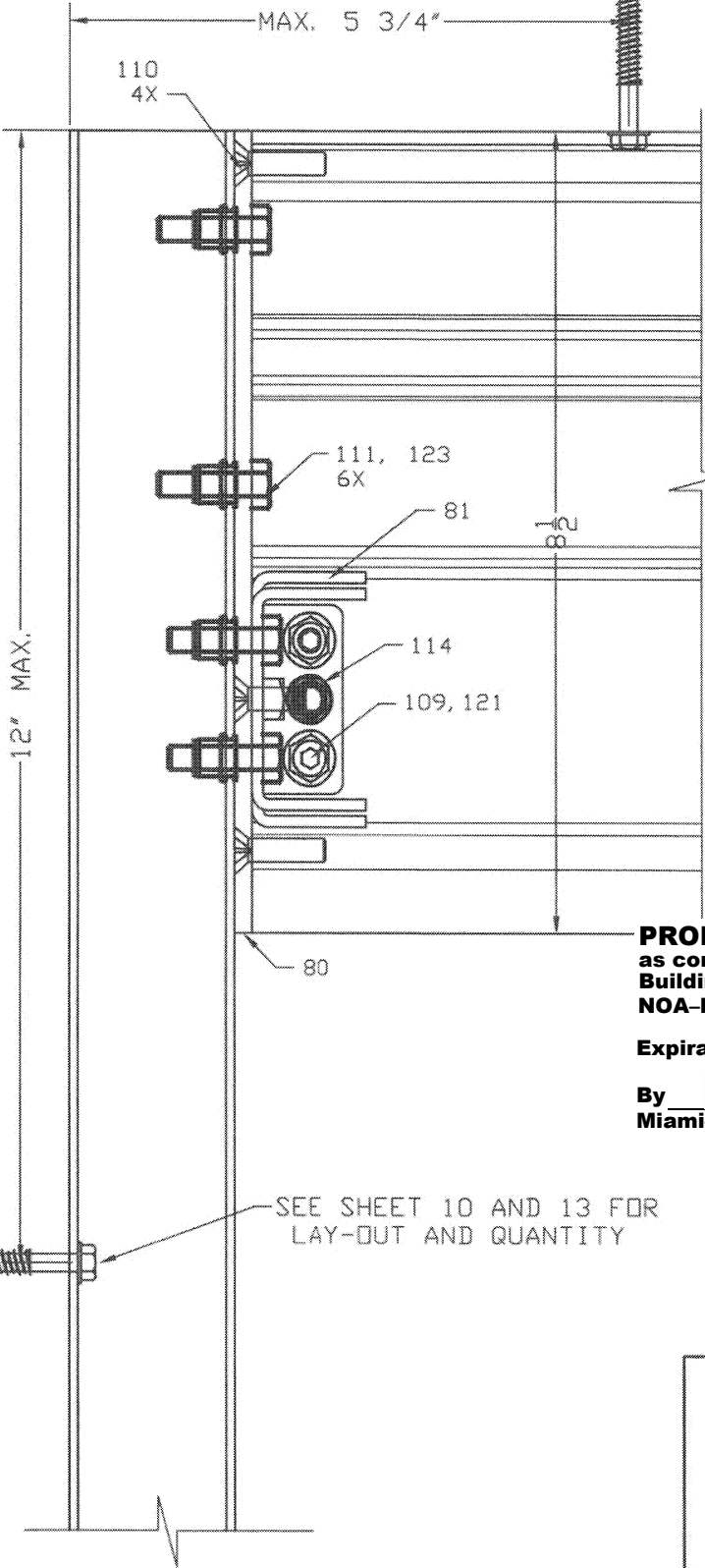


HOUSING HEADER AND JAMB CONNECTION

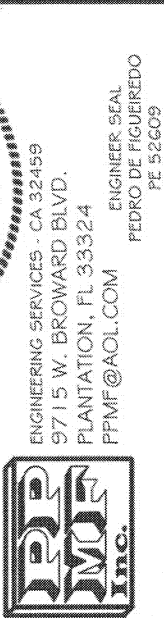
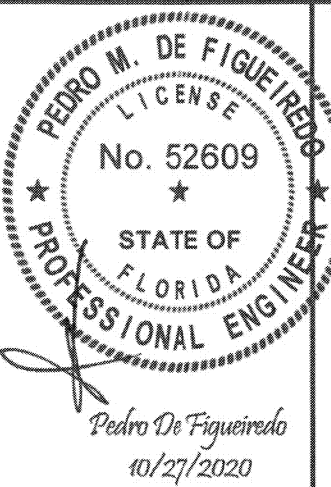
SEE SHEET 10 & 13 FOR JAMB
ANCHORING DETAILS



SEE SHEET 11, 12, 13 FOR
LAY-OUT AND QUANTITY



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chande
Miami-Dade Product Control

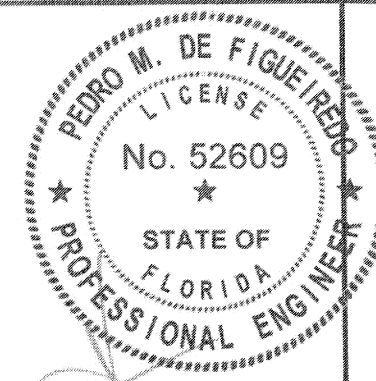


PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
17 OF 21

MIAMI-DADE BCCO:



Pedro De Figueiredo
10/27/2020

ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR

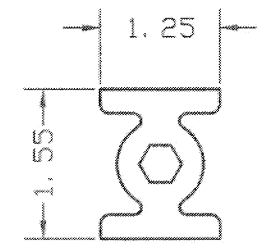
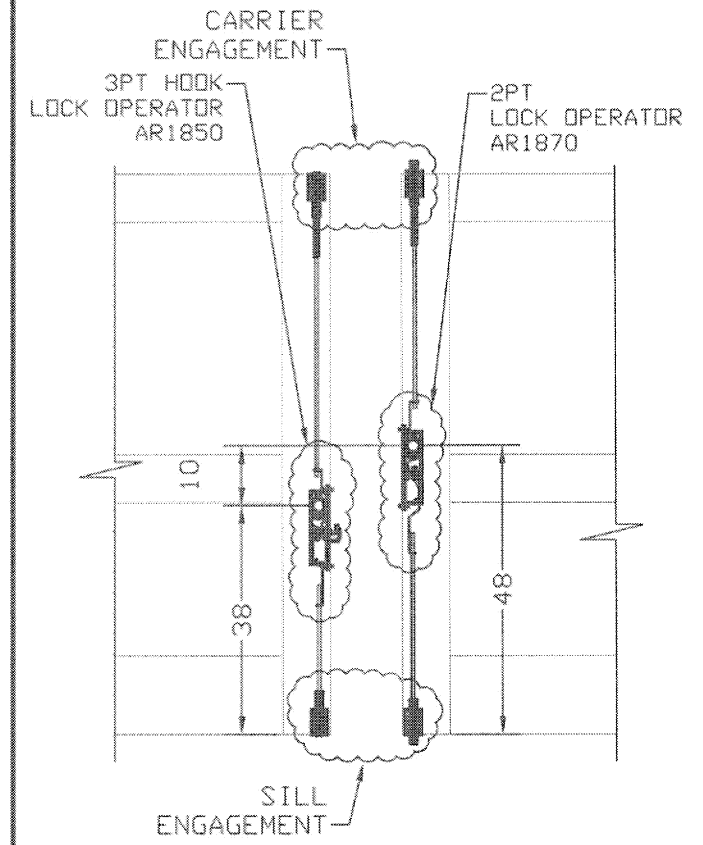
MANUFACTURER:
NABCO
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
18 OF 21

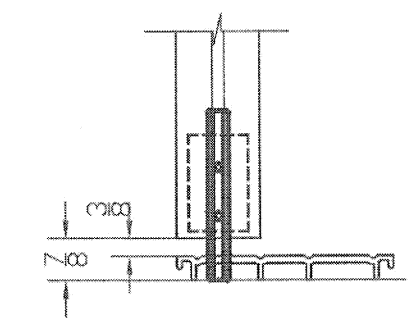
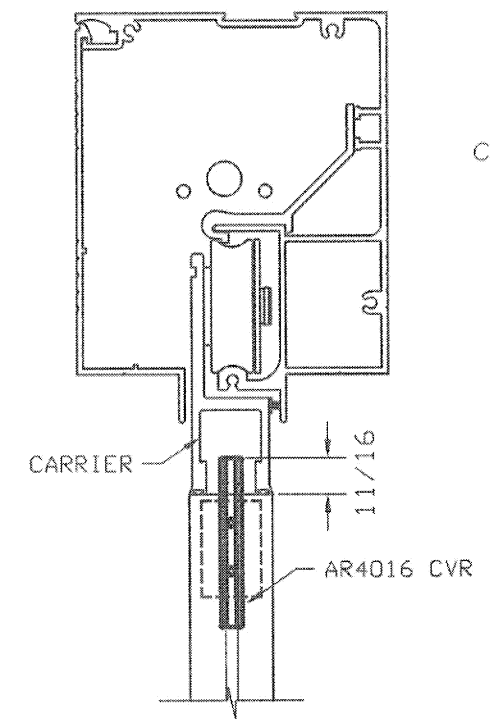
HARDWARE LOCK OPTION 1

3 PT AR MS1850 HOOK LOCK AND
2 PT AR MS1870 LOCK
WITH TOP AND BOTTOM AR 4015/4016 RODS (CVR)
INTERIOR THUMBTURN OR AR 4550 HANDLE
2 EXTERNAL KEY CYLINDERS
2 INDICATORS (BELOW THUMBTURN)

TYPICAL LOCK PANEL ELEVATION

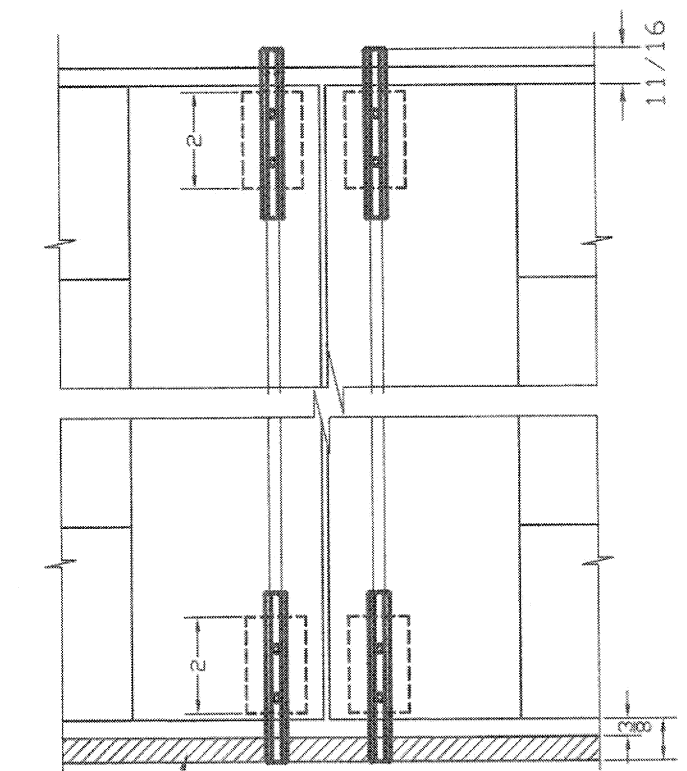
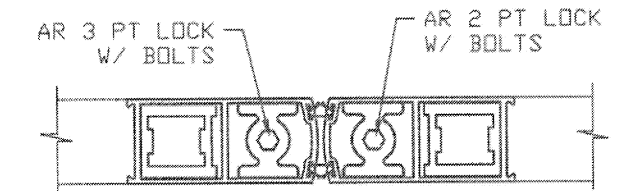


14-13855
LOCKROD GUIDE
ALLOY: 6063-T5



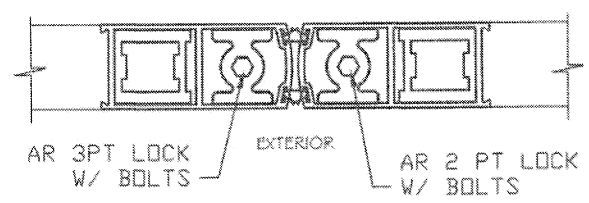
AR 4015 CVR
SILL ENGAGEMENT

AR 4016 CVR
CARRIER ENGAGEMENT

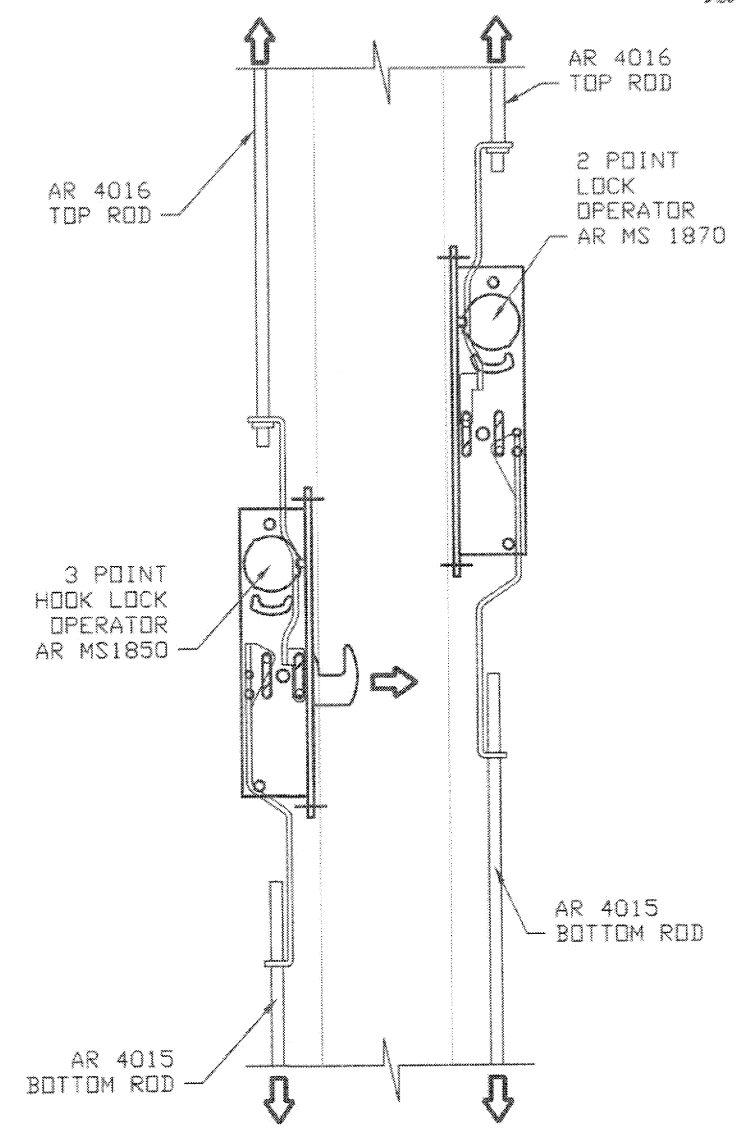


THRESHOLD

INTERIOR



LOCK OPERATOR



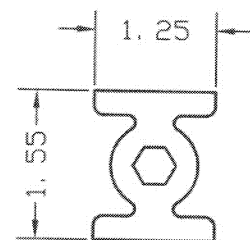
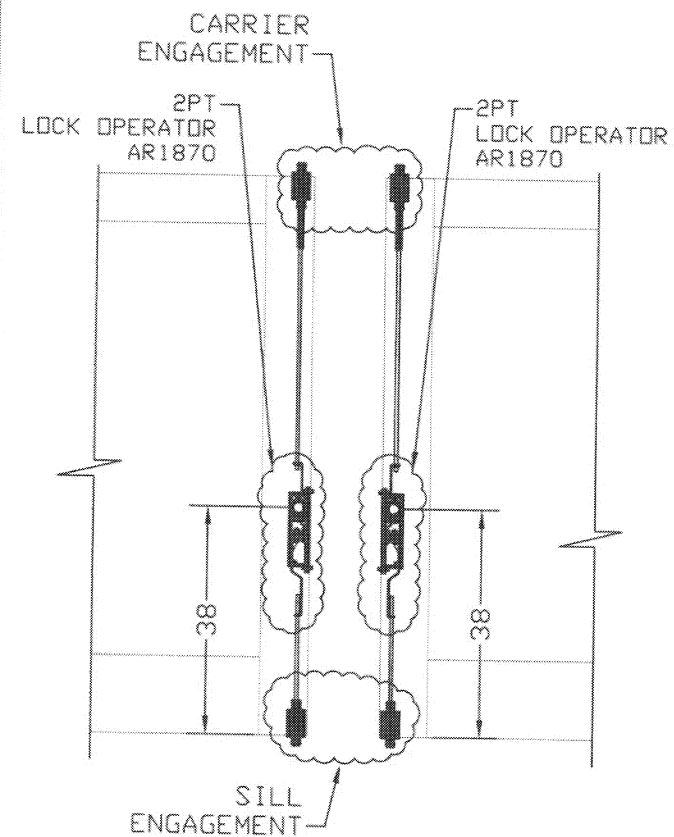
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04

Expiration Date 12/26/2023

By Ishag I. Chande
Miami-Dade Product Control

MIAMI-DADE BCCO:

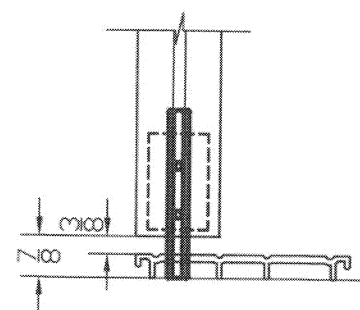
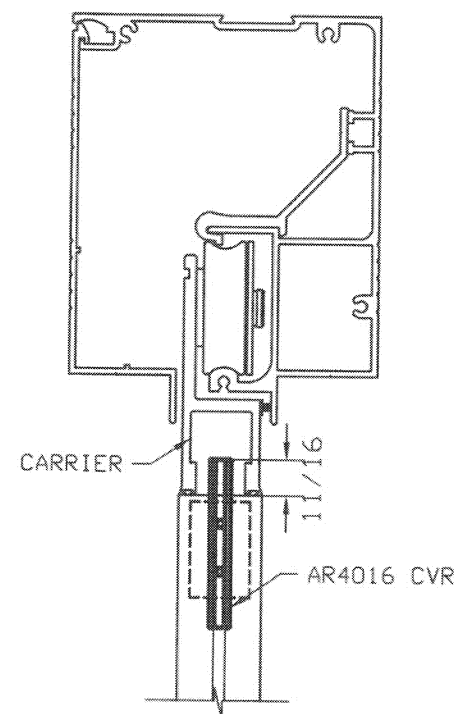
TYPICAL LOCK PANEL ELEVATION



14-13855
LOCKROD GUIDE
ALLOY: 6063-T5

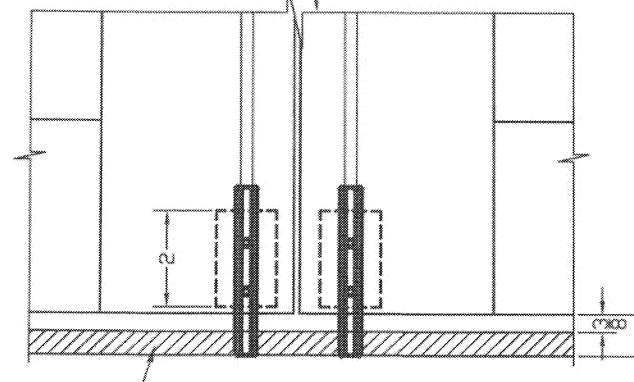
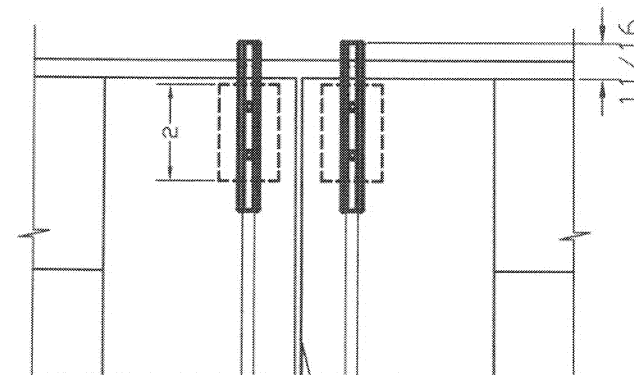
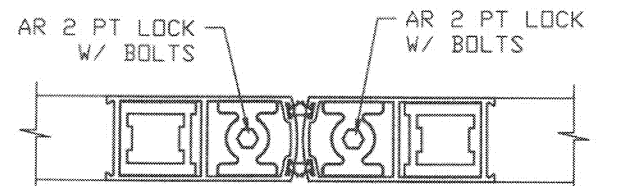
HARDWARE LOCK OPTION 2

(2X) 2 PT AR M5 1870 LOCK
WITH TOP AND BOTTOM AR 4015/ 4016 RODS (CVR)
INTERIOR THUMBTURN OR AR 4550 HANDLE
2 EXTERNAL KEY CYLINDERS
2 INDICATORS (BELOW THUMBTURN)

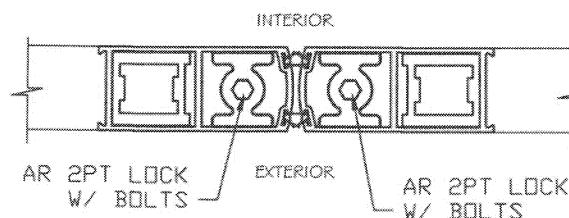


AR 4015 CVR
SILL ENGAGEMENT

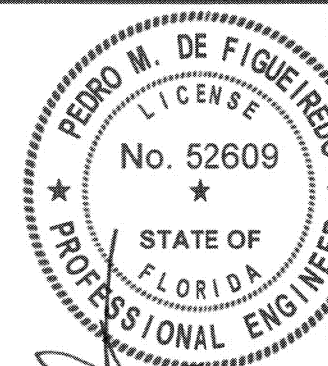
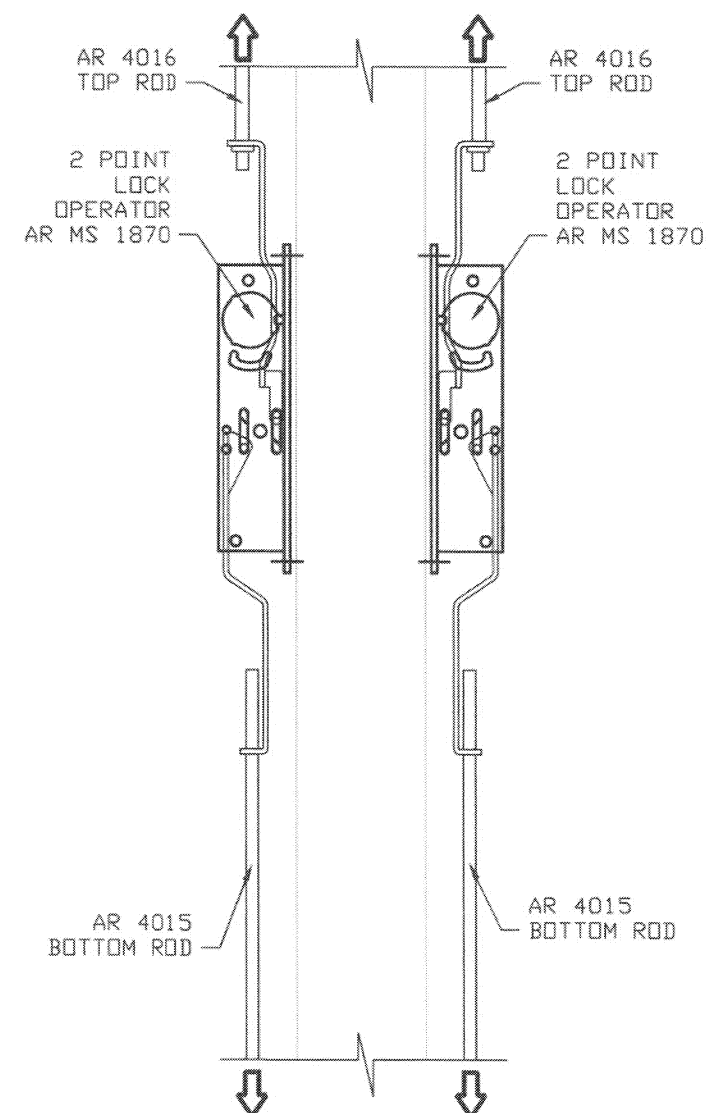
AR 4016 CVR
CARRIER ENGAGEMENT



THRESHOLD



LOCK OPERATOR



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



MANUFACTURER:
NABCO ENTRANCES
S82 W1817 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

MIAMI-DADE BCCO:

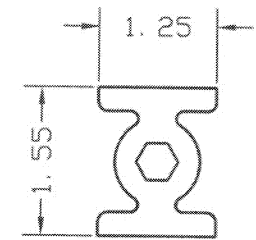
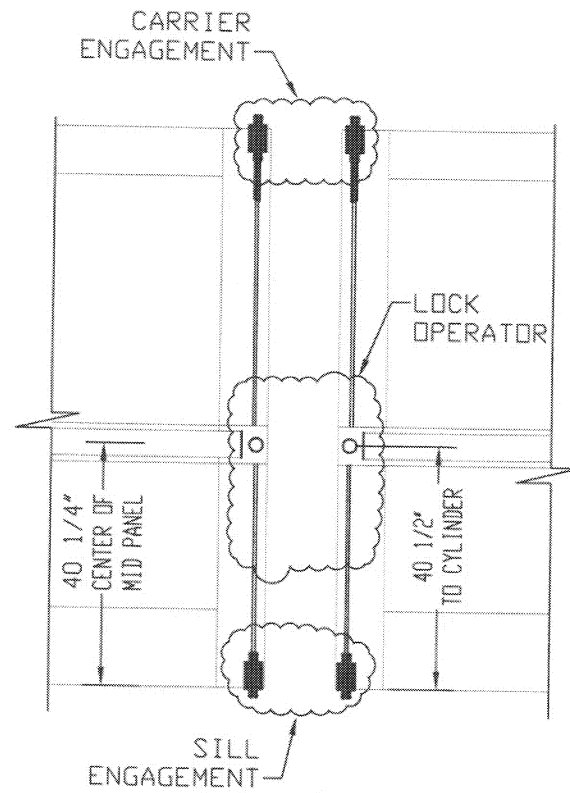
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04

Expiration Date 12/26/2023

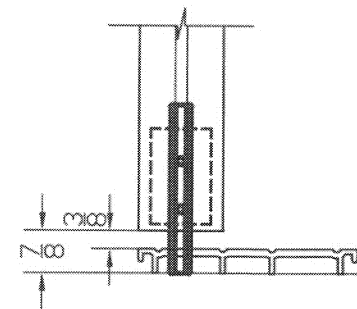
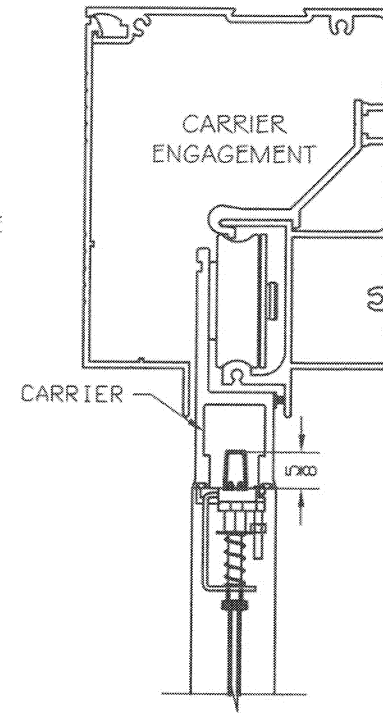
By Ishag I. Chande
Miami-Dade Product Control

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
19 OF 21

TYPICAL LOCK PANEL ELEVATION



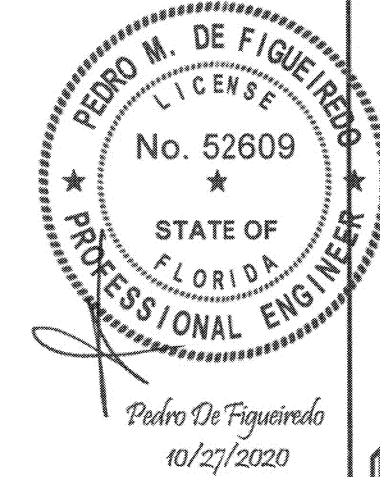
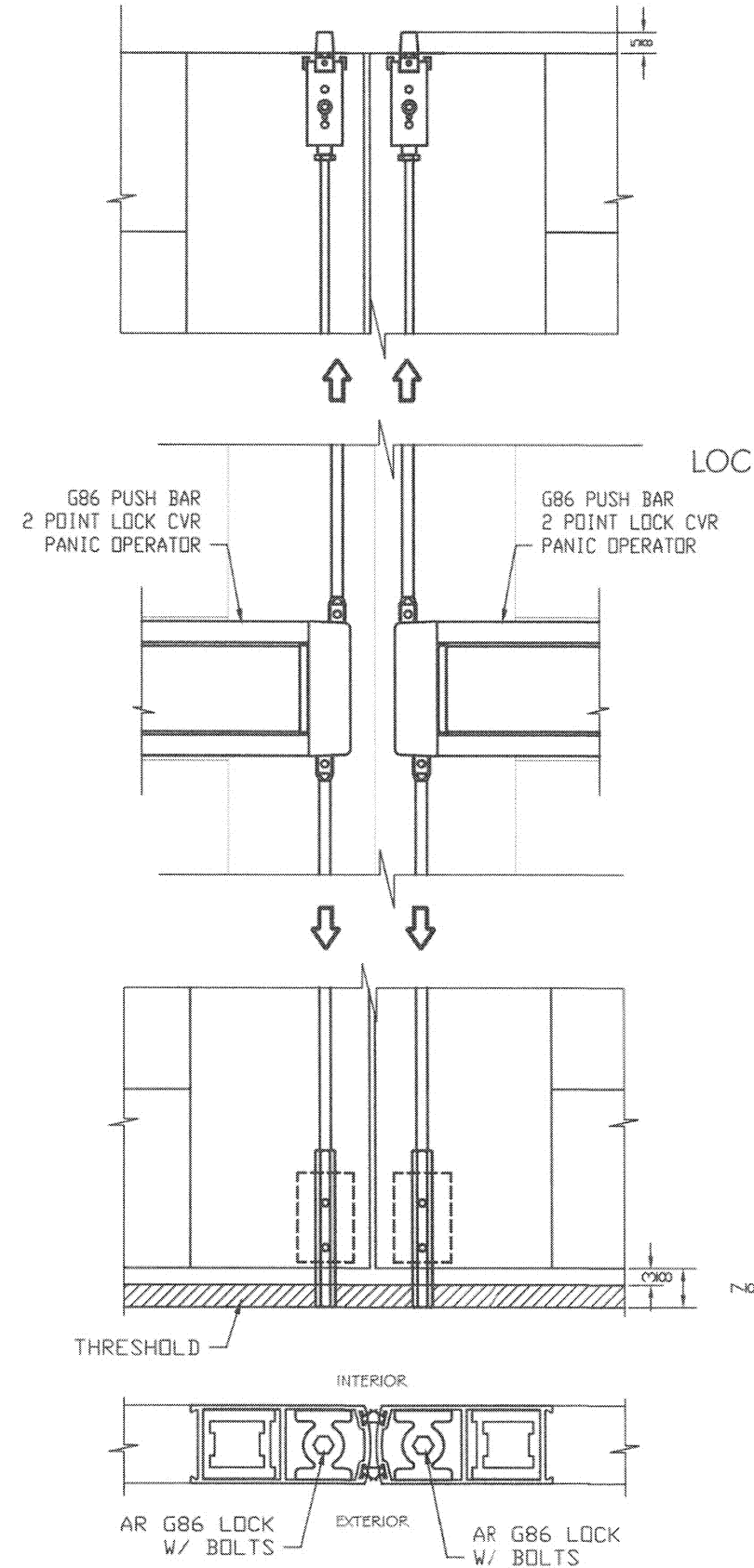
14-13855
LOWER LOCKROD GUIDE
ALLOY: 6063-T5



SILL ENGAGEMENT

HARDWARE LOCK OPTION 3

(2X) 2 POINTS G86 PANIC DEVICES
2 EXTERNAL KEY CYLINDERS (OPTIONAL)
APPLICABLE ONLY FOR FULL OPEN PANELS (FBO MODEL)
WITH MID HORIZONTAL RAIL



ENGINEERING SERVICES - CA 32459
9715 W. BROWARD BLVD.
PLANTATION, FL 33324
PPMF@AOL.COM
ENGINEER SEAL
PEDRO DE FIGUEIREDO
PE 52609



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishag I. Chank
Miami-Dade Product Control

MIAMI-DADE BCCO:

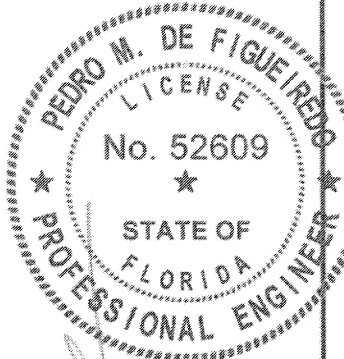
SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
20 OF 21

BILL OF MATERIAL (BOM)

| ITEM | PART # | DESCRIPTION |
|------|-------------|---|
| 1 | 24-13163 | EXTRUSION, HEADER, 1 PIECE |
| 2 | 24-9011 | EXTRUSION, COVER, HEADER |
| 3 | 14-13290 | EXTRUSION, SUPPORT, ANTI-RISE |
| 4 | 24-9870 | EXTRUSION, JAMB, POCKETED, 1.75 X 4.50 |
| 5 | 14-9875 | EXTRUSION, FILLER, POCKETED JAMB |
| 6 | 14-13294 | EXTRUSION, THRESHOLD, FIXED SIDELITE |
| 7 | 14-9016 | EXTRUSION, THRESHOLD, FULL OPEN |
| 8 | 14-9017 | EXTRUSION, THRESHOLD, RAMP |
| 9 | 14-13288 | EXTRUSION, STILE, 4", SINGLE WEATHERING |
| 10 | 14-13289 | EXTRUSION, STILE, 4", DOUBLE WEATHERING |
| 11 | 14-13950 | EXTRUSION, STIFFENER, STILE |
| 12 | 14-9359 | EXTRUSION, RAIL, 4", TOP |
| 13 | 24-0328 | EXTRUSION, MUNTIN, 4" |
| 14 | 14-9088 | EXTRUSION, RAIL, 6.5" |
| 15 | 14-5636 | EXTRUSION, BRUSH HOLDER |
| 16 | 24-2967 | EXTRUSION, RAIL CLIP |
| 17 | 14-13855 | EXTRUSION, LOCKROD |
| 18 | 14-9014 | EXTRUSION, HANGER |
| 19 | 14-9015 | EXTRUSION, INTERFACE LEG |
| 20 | 14-13295 | EXTRUSION, ENDCAP |
| 21 | 24-13291 | EXTRUSION, GLASS STOP, BASE, HURRICANE |
| 22 | 24-13292 | EXTRUSION, GLASS STOP, TOP, IMPACT GLASS, HURRICANE |
| 30 | 14-2279-04 | PILE, FELT, .25" TALL, .187 WIDE |
| 31 | 14-2279-05 | PILE, FELT, .25" TALL, .270 WIDE W/ ADHESIVE |
| 32 | 14-8326-05 | PILE, FELT, .37" TALL, .270 WIDE |
| 33 | 14-2279-09 | PILE, FELT, .45" TALL, .270 WIDE |
| 34 | 14-4899-60 | BRUSH, NYLON, .73" TALL |
| 35 | 14-4899-100 | BRUSH, NYLON, 1.00" TALL |
| 36 | 14-3933-02 | GASKET, VINYL, 1.00" TALL |
| 37 | 14-8161 | TAPE, FOAM, .25 X .50 |
| 38 | 14-14191 | GASKET, WEDGE, .187 FACE CLEARANCE |
| 39 | 14-13307 | GASKET, GLAZING, .150 FACE CLEARANCE |
| 40 | | ADHESIVE, SILICONE, DOW #995 |
| 45 | 14-9279 | T-NUT, TIE ROD |
| 46 | 14-9225 | PLATE, BACKING, TIE ROD |
| 47 | 14-3624 | TIE ROD, 3/8"-16 |
| 48 | 14-0984 | CLIP, RAIL, TIE ROD |
| 49 | 14-14192 | CLIP, RAIL, 2.9" LONG |
| 50 | 24-12002-50 | ASM, CARRIER BAR, MEDIUM STILE HURRICANE |
| 51 | 21-14040 | ASM, RETAINER, CARRIER, ECCENTRIC |
| 52 | 11-10733 | ASM, ROLLER, HANGER, 1175 |
| 53 | 21-14035 | ASM, ANTI-RISE, HURRICANE |
| 54 | 24-9483 | BLOCK, PANIC CATCH, CARRIER |
| 55 | 24-9485 | BLOCK, PANIC CATCH, TOP RAIL |
| 56 | 21-14030 | ASM, ENDCAP, CARRIER |
| 57 | 14-14060 | BLOCK, GUIDE, LOCKROD |
| 58 | 14-14062 | LOCKROD, 1/4"-20 |
| 59 | 14-14064 | LOCKROD, #12-24 |
| 60 | 21-9507 | ASM, TOP PIVOT, SWING PANEL |
| 61 | 14-14038 | PIVOT, BOTTOM, SWING PANEL |
| 62 | 24-14039 | PIVOT, FLOOR, SWING PANEL |

| ITEM | PART # | DESCRIPTION |
|------|-------------|--|
| 63 | 24-2458 | BUSHING, BOTTOM PIVOT, SWING PANEL |
| 64 | 24-14043 | INTERLOCK, FEMALE |
| 65 | 14-14068 | BAR, NUT, FEMALE INTERLOCK |
| 66 | 14-14044 | INTERLOCK, MALE |
| 67 | 14-14033 | BAR, NUT, MALE INTERLOCK |
| 68 | 21-14045 | ASM, BOTTOM GUIDE, FULL OPEN |
| 70 | 14-14055 | BRACKET, HEADER, FIXED SIDELITE |
| 71 | 14-14056 | BRACKET, JAMB TUBE, FIXED SIDELITE |
| 72 | 14-14057 | BRACKET, THRESHOLD, FIXED SIDELITE |
| 73 | 14-14053 | PLATE, COVER, FIXED SIDELITE |
| 74 | 14-14054 | PLATE, NUT |
| 75 | 21-14050 | ASM, DOUBLE WHEEL ROLLER, HURRICANE |
| 80 | 24-13282 | ENDCAP, ONE PIECE HEADER |
| 81 | 24-9022 | BRACKET, HEADER, 1175 |
| 90 | 24-0564 | LOCK, 3PT, ADAMS RITE MS1850S |
| 91 | 14-2046 | LOCK, 2 PT, ADAMS RITE 1870 |
| 92 | 24-14072 | LOCK, PANIC, ADAMS RITE #G86-11-36 |
| 93 | 22-0090 | CYLINDER, THUMBTURN |
| 94 | 22-4495 | CYLINDER, KEY |
| 95 | 12-1400 | INDICATOR, EXIT, ADAMS RITE #4089 |
| 96 | 14-14073 | KIT, ESCUTCHEON, ADAMS RITE #8651-X-XXX |
| 97 | 22-10256 | ADAMS RITE 4016 TOP ROD CVR |
| 98 | 22-4412 | ADAMS RITE 4015 BOTTOM ROD CVR |
| 100 | 24-0011-72 | SCREW, #10-24 X .38 LONG, FHMS, UNDERCUT |
| 101 | 24-0011-53 | SCREW, #10-32 X .50 LONG, FHMS |
| 102 | 24-0011-131 | SCREW, #10-32 X .50 LONG, FHMS, UNDERCUT |
| 103 | 24-0012-14 | SCREW, #10-32 X .50 LONG, PHMS |
| 104 | 24-0010-62 | SCREW, #10-32 X .63 LONG, SHCS |
| 105 | 24-0031-24 | SCREW, #10 X 1.00 LONG, FHMS |
| 106 | 24-0011-70 | SCREW, 1/4"-20 X .44 LONG, FHMS, UNDERCUT |
| 107 | 24-0011-144 | SCREW, 1/4"-20 X .63 LONG, FHCS |
| 108 | 24-0011-13 | SCREW, 1/4"-20 X .75 LONG, FHMS |
| 109 | 24-0010-09 | SCREW, 1/4"-20 X .75 LONG, SHCS |
| 110 | 24-4941-02 | SCREW, 1/4"-20 X 1.00 LONG, FHMS, TRI-LOBE |
| 111 | 24-0014-01 | SCREW, 1/4"-20 X 1.00 LONG, HHCS |
| 112 | 24-0010-16 | SCREW, 1/4"-20 X 1.25 LONG, SHCS |
| 113 | 24-0014-12 | SCREW, 1/4"-20 X 1.75 LONG, HHCS |
| 114 | 24-0014-30 | SCREW, 1/4" X .75 LONG, TEKS |
| 116 | 24-0014-27 | SCREW, 3/8"-16 X .75 LONG, HHCS |
| 117 | 24-0010-43 | SCREW, 3/8"-16 X 1.50 LONG, SHCS, LOW HEAD |
| 118 | 24-0016-20 | SETSCREW, 5/16"-18 X .75 LONG |
| 119 | 24-0016-30 | SETSCREW, 5/16"-18 X 1.25 LONG |
| 120 | 24-0021-27 | NUT, 1/4"-20, SQUARE |
| 121 | 24-0021-35 | NUT, 1/4"-20, WHIZLOCK |
| 122 | 24-0021-21 | NUT, 3/8"-16, WHIZLOCK |
| 123 | 14-8640-01 | RIVNUT, 1/4"-20 |
| 124 | 24-0017-46 | WASHER, FLAT, 1/4" |

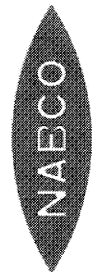
ITEMS #23, 24-29, 41-44, 69, 76-79, 82-89, 99 AND 115 ARE NOT USED IN THE BOM



Pedro De Figueiredo
10/27/2020



PRODUCT:
SYSTEM GT1175
LARGE & SMALL MISSILE
IMPACT RATED
AUTOMATIC SLIDING GLASS DOOR



MANUFACTURER:
NABCO ENTRANCES
S82 W18717 GEMINI DRIVE
MUSKEGO, WISCONSIN 53150
PHONE: (877) 622-2694 FAX: (262) 679-2505

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1106.04
Expiration Date 12/26/2023
By Ishaq I. Chandra
Miami-Dade Product Control

MIAMI-DADE BCCO:

SCALE:
NA
DATE:
10/27/2020
DRAWING #
20-167
SHEET
21 OF 21