

# SYSTEM GT 1175

MODELS 1175 FBO AND 1175 FS  
AUTOMATIC ALUMINUM SLIDING GLASS DOOR W/ ALUMINUM REINFORCEMENTS  
NON IMPACT, LARGE (LEVELS D & E) AND SMALL IMPACT RESISTANT



Pedro De Figueiredo  
PE 52609  
10/01/2023

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## GENERAL NOTES: (FLORIDA BUILDING CODE 2023, 8TH EDITION - HVHZ)

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023 - 8TH 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 (LEVELS D & E), SMALL MISSILE AND NON IMPACT.
- 3- LABELING: PRODUCT MUST BE LABELED IN ACCORDANCE WITH THE FBC 2023, CHAPTER 17.

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SYSTEM GT 1175 SERIES AUTOMATIC SLIDING GLASS DOOR  
FLORIDA APPROVED"

- 4- PROJECT DESIGN PRESSURES: THE PROJECT DESIGN PRESSURES MUST BE CALCULATED BASED ON THE ASCE 7-22, BY A PROFESSIONAL ARCHITECT OR ENGINEER. THE PROJECT DESIGN PRESSURE, AS DETERMINED BY ASCE 7-22, 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, IMPACT GLAZING TO BE LAMINATED GLASS AND NON IMPACT GLAZING TO BE FULLY TEMPERED AS SPECIFIED ON THIS APPROVAL AND IN COMPLIANCE WITH ASTM E1300.
- 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 2020.

## INSTRUCTIONS TO USE THIS DRAWING TO VERIFY DOOR ADEQUACY PRESSURE

- STEP 1: ON SHEET 1, USE GENERAL NOTE 4 TO DETERMINE PROJECT DESIGN PRESSURE (DP).
- STEP 2: ON SHEET 4, SELECT ALLOWABLE PRESSURE USING TABLES 1 OR 2 BASED ON DOOR DIMENSIONS AND MODEL TYPE.
- STEP 3: ON SHEET 14 SELECT FRAME ANCHORING ALLOWABLE DESIGN PRESSURE CAPACITY FROM TABLES 3 (SILL) AND 4 (HEADER). SELECT JAMB ANCHORS PER MODEL TYPE
- STEP 4 : USE THE LOWEST ALLOWABLE DESIGNED PRESSURE FROM STEP 2 THROUGH 3 AND COMPARE WITH THE PROJECT DESIGN PRESSURE (DP) FROM STEP 1. ALLOWABLE PRESSURE MUST NOT EXCEED THE PROJECT DESIGN PRESSURE.

### 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

**DIGITALLY SIGNED FOR 24 PAGES**

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO, PE 52609 ON THE DATE INDICATED  
HERE.

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## DOOR ALLOWABLE DESIGNED PRESSURES

|                                                                      |
|----------------------------------------------------------------------|
| MODEL GT1175 FBO - SHEET 4 - TABLE 1                                 |
| MODEL GT1175 FS - SHEET 4 - TABLE 2                                  |
| FRAME ANCHORAGE - SHEET 14 - TABLES 3 & 4                            |
| REFER TO EACH MODEL TYPE FOR<br>ALLOWABLE DESIGN PRESSURES AND SIZES |

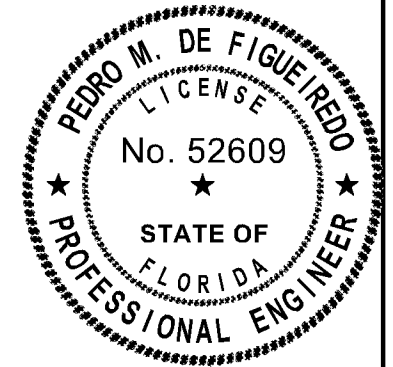
PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR,  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

MANUFACTURER:  
  
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SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
1 OF 24

## TYPICAL ELEVATIONS

### SYSTEM GT 1175 SERIES - FBO MODEL



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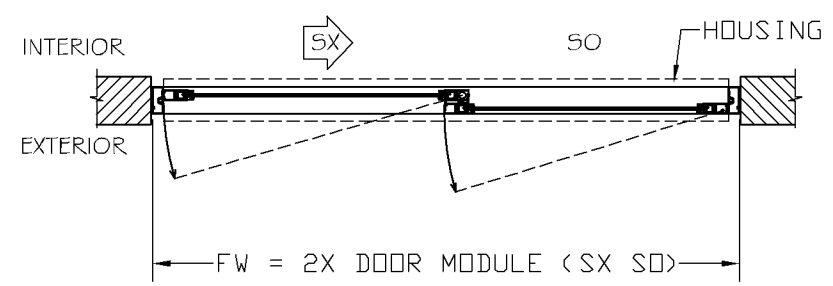
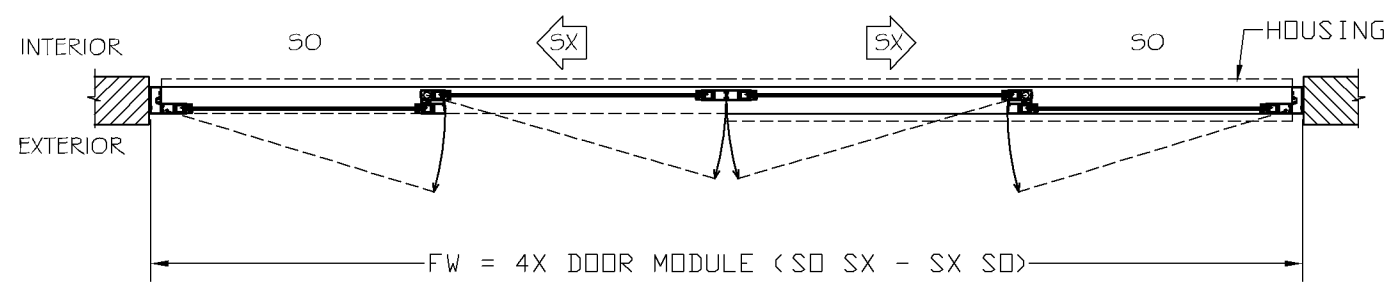
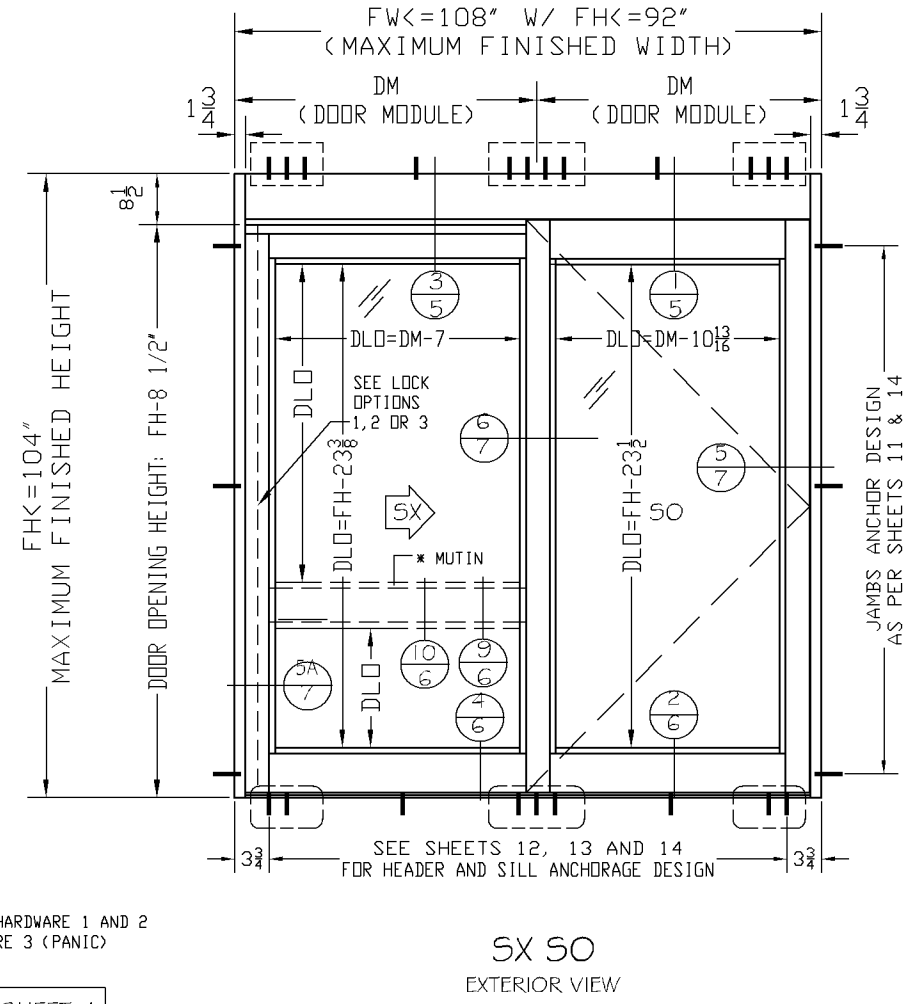
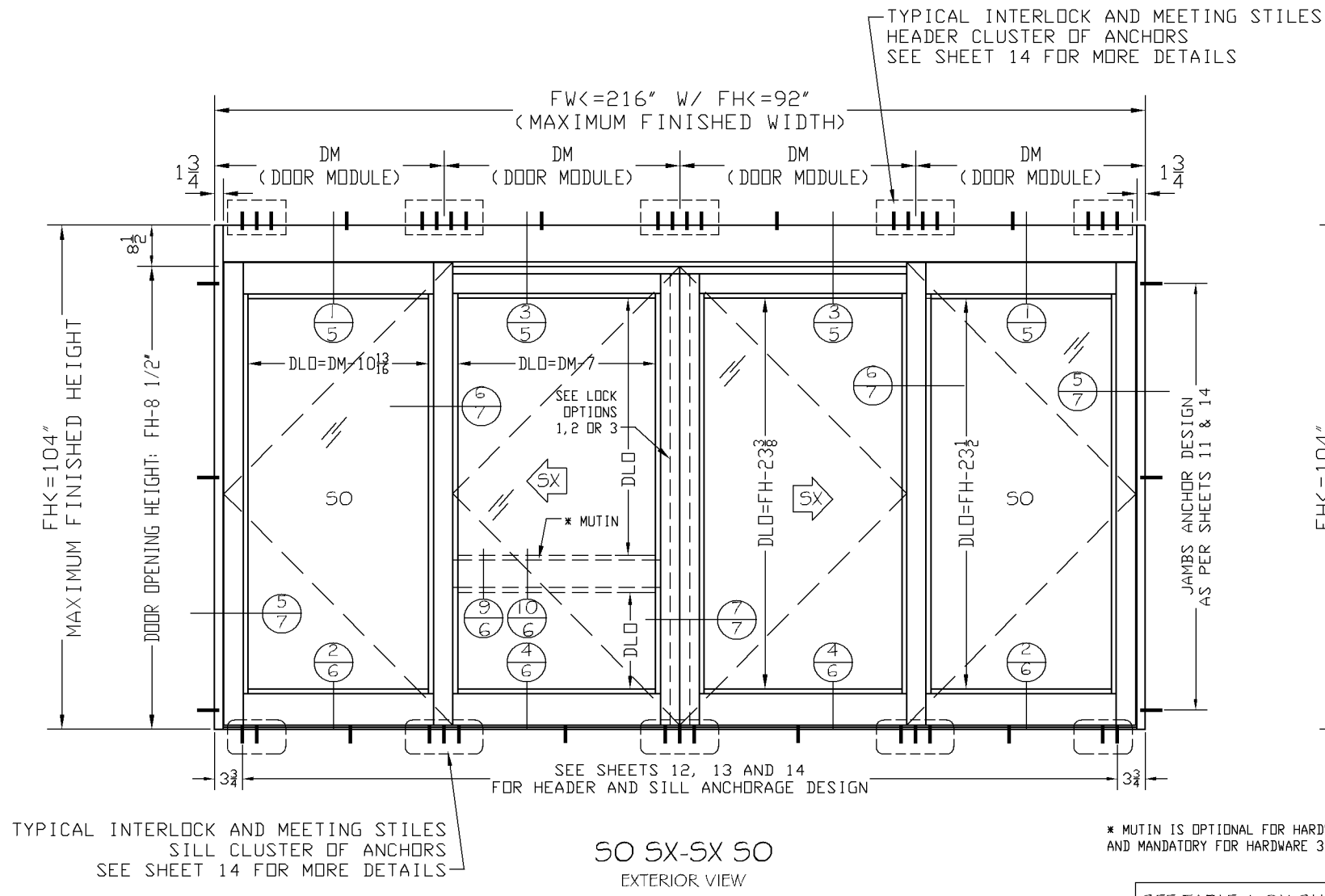
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SYSTEM GTI 175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

MANUFACTURER:

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| DRAWING #<br>23-186 |
| SHEET<br>2 OF 24    |

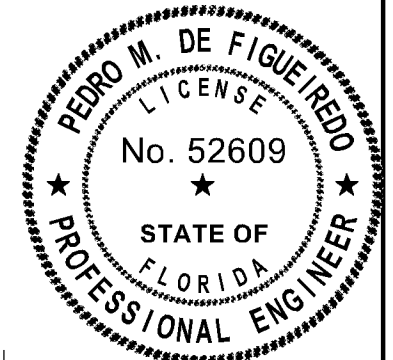


DOOR MODULE:  
DM= FW/ 4 FOR (SO SX-SX SO)  
DM= FW/2 FOR (SO SX)

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

## TYPICAL ELEVATIONS

### SYSTEM GT 1175 SERIES - FS MODEL



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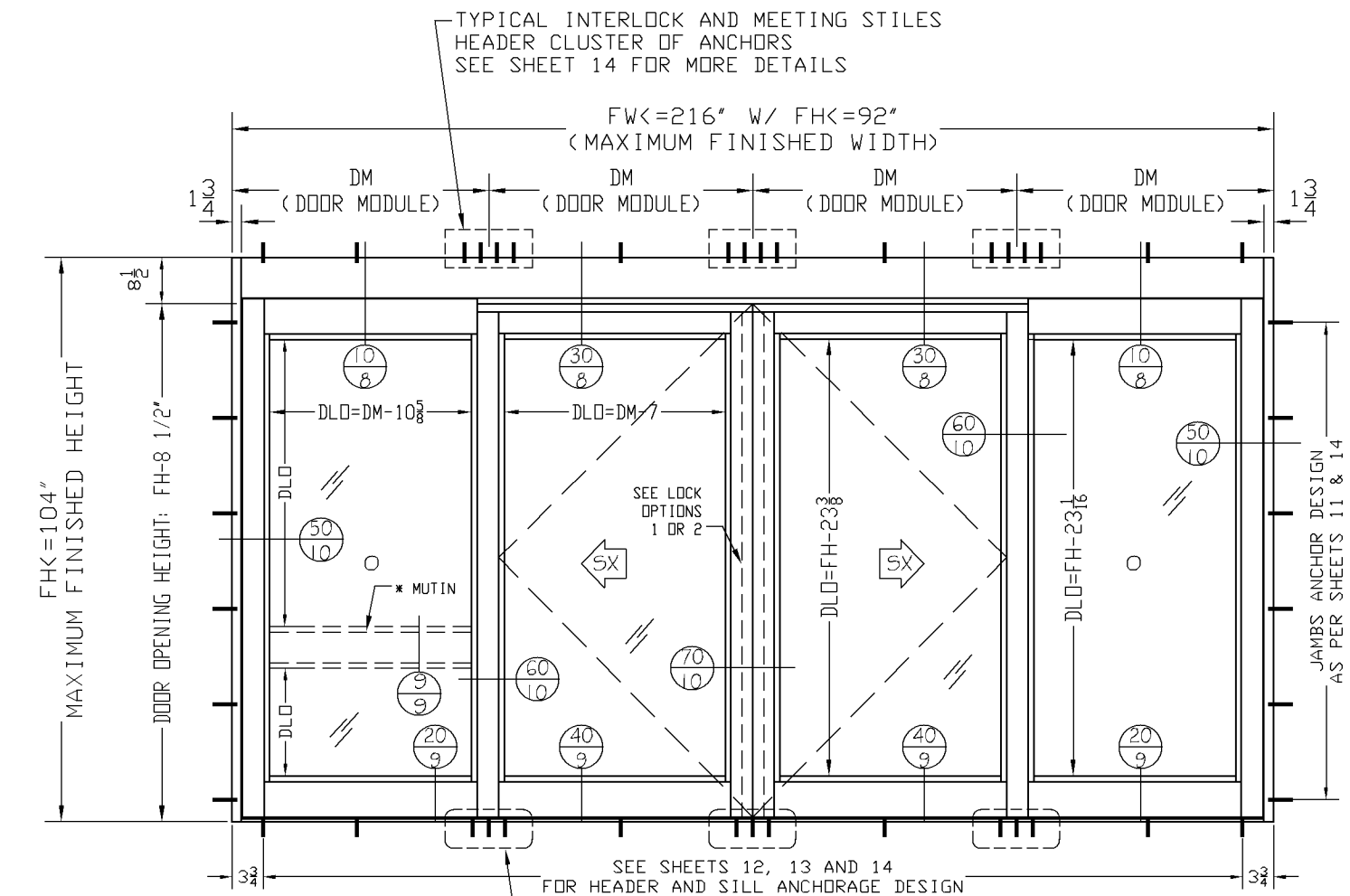


SYSTEM GTI 175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED



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| SHEET<br>3 OF 24    |

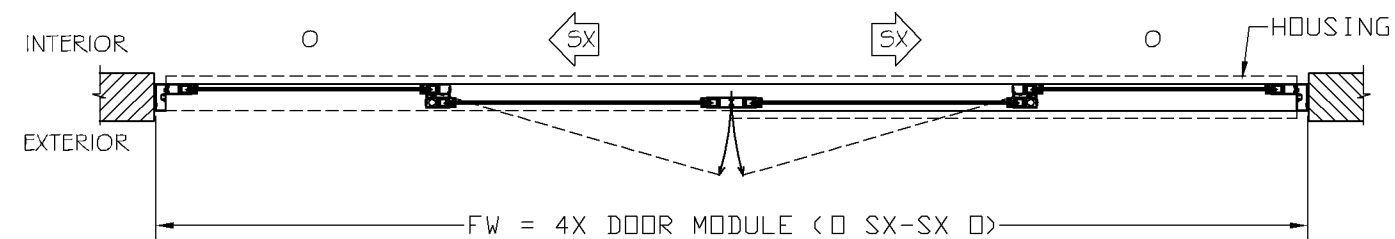


TYPICAL INTERLOCK AND MEETING STILES  
SILL CLUSTER OF ANCHORS  
SEE SHEET 14 FOR MORE DETAILS—

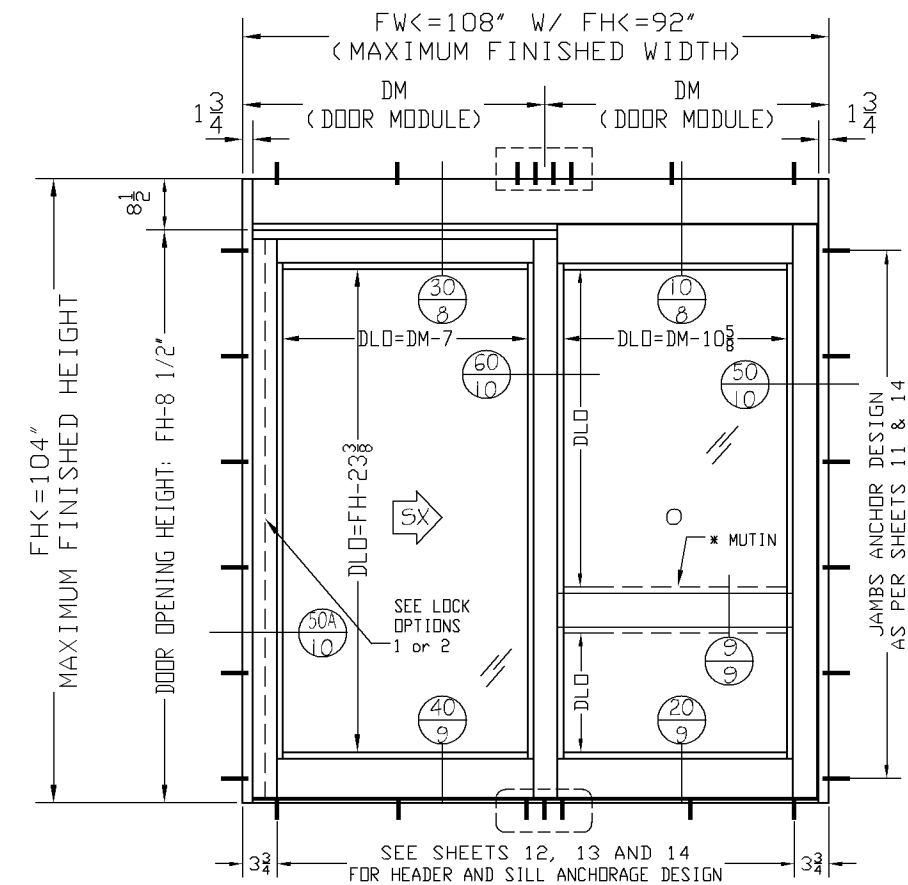
SO SX-SX SO  
EXTERIOR VIEW

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

SEE TABLE 2 ON SHEET 4  
FOR DESIGN PRESSURES



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



FK=104"  
MAXIMUM FINISHED HEIGHT

MINOR OPENING HEIGHT: FH-8 1/2" -

SX SO  
EXTERIOR VIEW

Diagram illustrating the door assembly configuration. The diagram shows a cross-section of a door assembly with labels for 'INTERIOR', 'EXTERIOR', 'SX' (pointing to the door handle), 'O' (pointing to the door frame), 'HOUSING', and 'FW = 2X DOOR MODULES (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"

ALLOWABLE DESIGNED WIND LOAD RATE  
SYSTEM GT 1175 SERIES - FS AND FBO MODEL

SYSTEM GT 1175 SERIES - FBO MODEL  
IMPACT RATE: NI, 5MI, LMI, LEVEL D, LEVEL E

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

| FH<br>( IN ) | DM<br>( IN ) | PRESSURE<br>( 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.<br>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.<br>3- USE SECTIONS 1/5 AND 3/5 FOR HEADER DETAILS<br>4- USE SECTIONS 2/6 AND 4/6 FOR SILL DETAILS<br>5- USE SECTIONS 5/7 OR 5A/7 FOR JAMB DETAILS<br>6- USE SECTION 6/7 FOR INTERLOCK DETAIL<br>7- USE SECTION 7/7 FOR MEETING STILES DETAIL<br>8- OPTIONAL MID RAIL SECTION 9/6 (ANY PANEL)<br>9- MID RAIL SECTION 10/6 (PANIC PANEL)<br><br>EXAMPLE FOR ALTERNATE CONFIGURATIONS<br><br>2 PANELS - 50 SX - FW<= 108" (FH<= 92")<br>2 PANELS - 50 SX - FW<= 96" (FH<= 104")<br>4 PANELS - 50 SX-SX 50 - FW<= 216" (FH<=92")<br>4 PANELS - 50 SX-SX 50 - FW<= 192" (FH<=104") |
|              | 39           | 97                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 42           | 90                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 45           | 84                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 48           | 79                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 54           | 70                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 96           | 36           | 101                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 39           | 93                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 42           | 87                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 45           | 81                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 48           | 76                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 52           | 70                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 100          | 36           | 97                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 39           | 90                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 42           | 83                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 45           | 78                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 48           | 73                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 49           | 70                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 104          | 36           | 93                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 39           | 86                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 42           | 80                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 45           | 75                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | 48           | 70                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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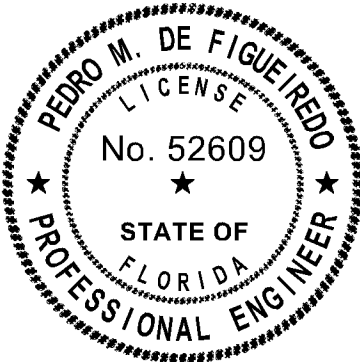
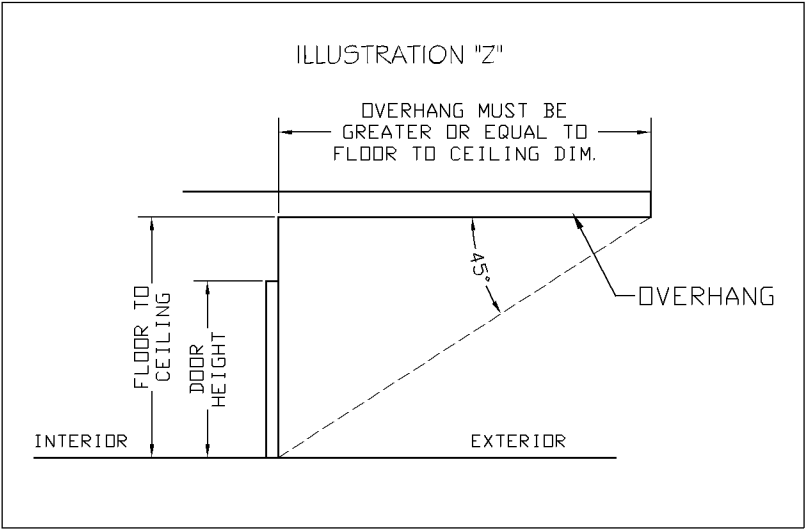
DOOR ARE NOT RATED FOR WATER INFILTRATION,  
INSTALLATION TO MEET ILLUSTRATION "Z" BELOW.

SYSTEM GT 1175 SERIES - FS MODEL  
IMPACT RATE: NI, 5MI, LMI, LEVEL D

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

| FH<br>( IN ) | DM<br>( IN ) | PRESSURE<br>( 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.<br>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.<br>3- USE SECTIONS 10/8 AND 30/8 FOR HEADER DETAILS<br>4- USE SECTIONS 20/9 AND 40/9 FOR SILL DETAILS<br>5- USE SECTIONS 50/10 AND 50A/10 FOR JAMB DETAILS<br>6- USE SECTION 60/10 FOR INTERLOCK DETAIL<br>7- USE SECTION 70/10 FOR MEETING STILES DETAIL<br>8- OPTIONAL MID RAIL SECTION 9/9 (ANY PANEL)<br><br>EXAMPLE FOR ALTERNATE CONFIGURATIONS<br><br>2 PANELS - 0 SX - FW<= 108" (FH<= 92")<br>2 PANELS - 0 SX - FW<= 96" (FH<= 104")<br>4 PANELS - 0 SX-SX 0 - FW<= 216" (FH<=92")<br>4 PANELS - 0 SX-SX 0 - FW<= 192" (FH<=104") |
|              | 39           | 97                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 42           | 90                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 45           | 84                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|              | 54           | 70                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 96           | 36           | 101                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 39           | 93                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 42           | 87                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 45           | 81                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 100          | 36           | 97                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 39           | 90                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 42           | 83                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 104          | 36           | 93                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 39           | 86                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 42           | 80                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 45           | 75                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 48           | 70                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              |              |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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



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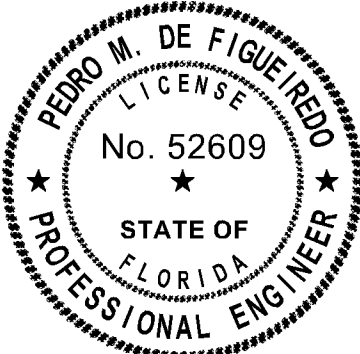


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NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

MANUFACTURER:  
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SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
4 OF 24

HEADER SECTION DETAILS - 1175 FBO



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10/01/2023

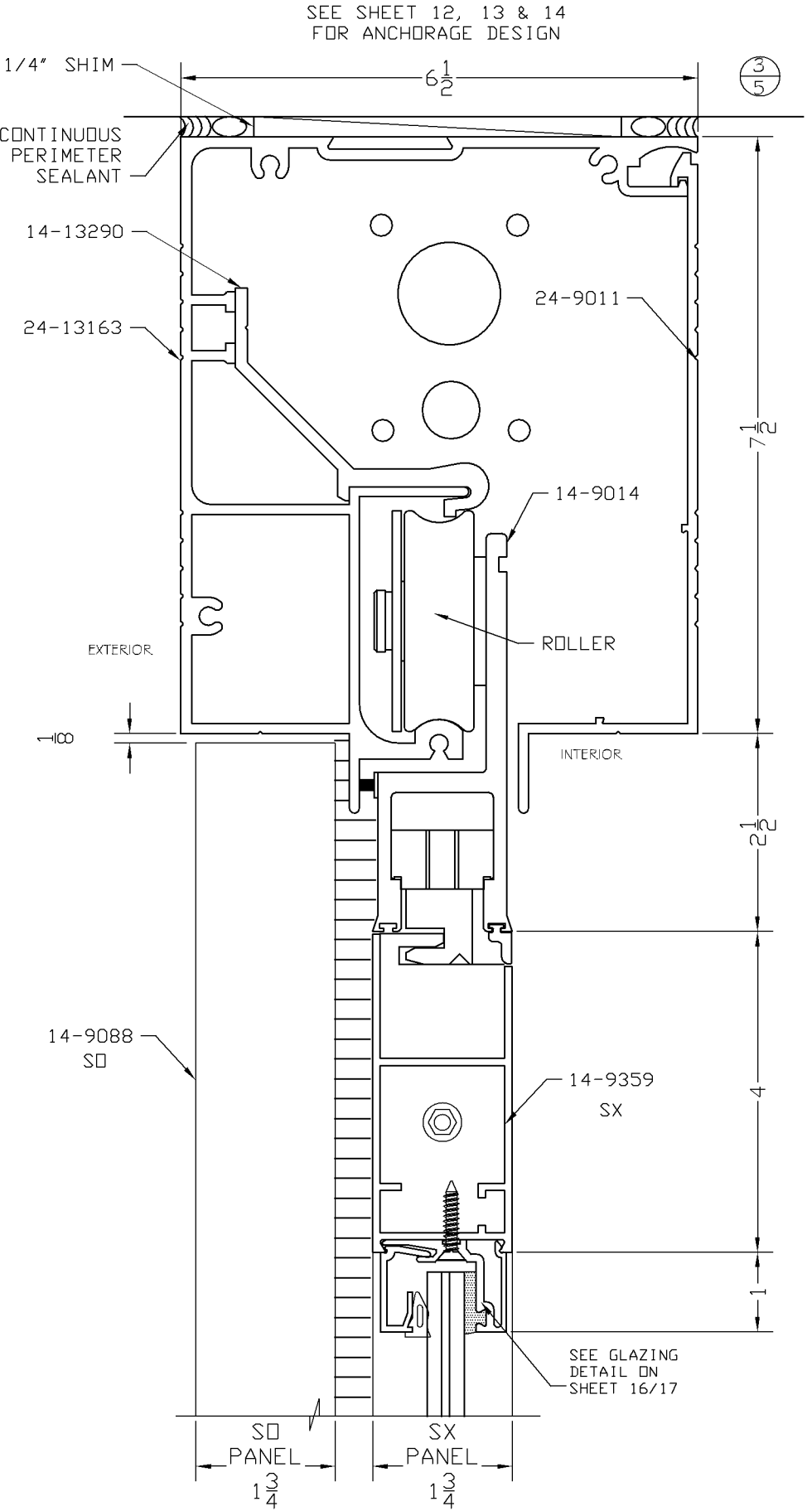
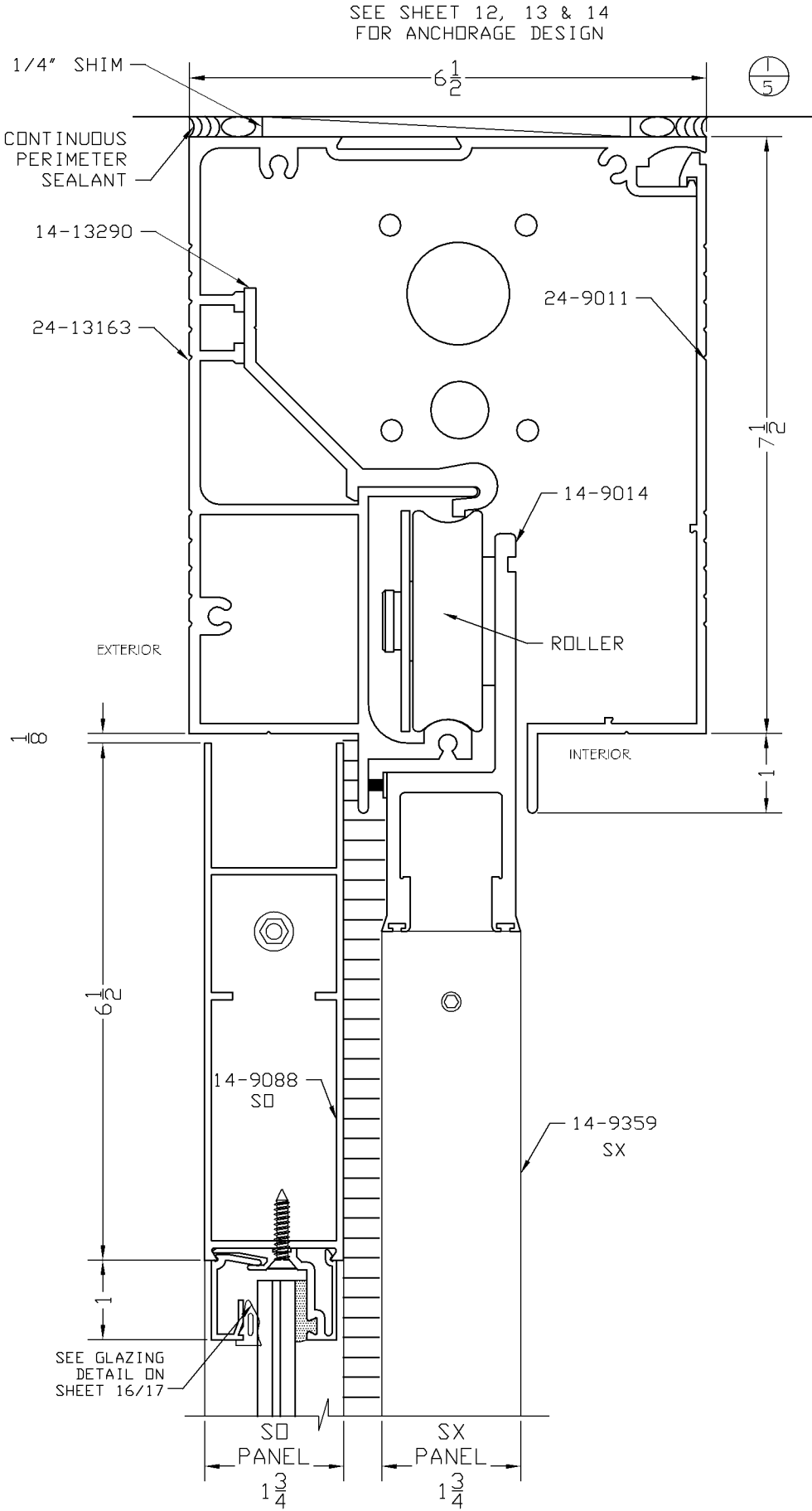
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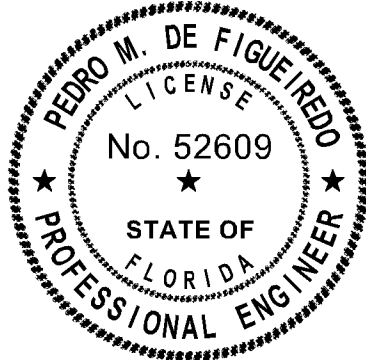
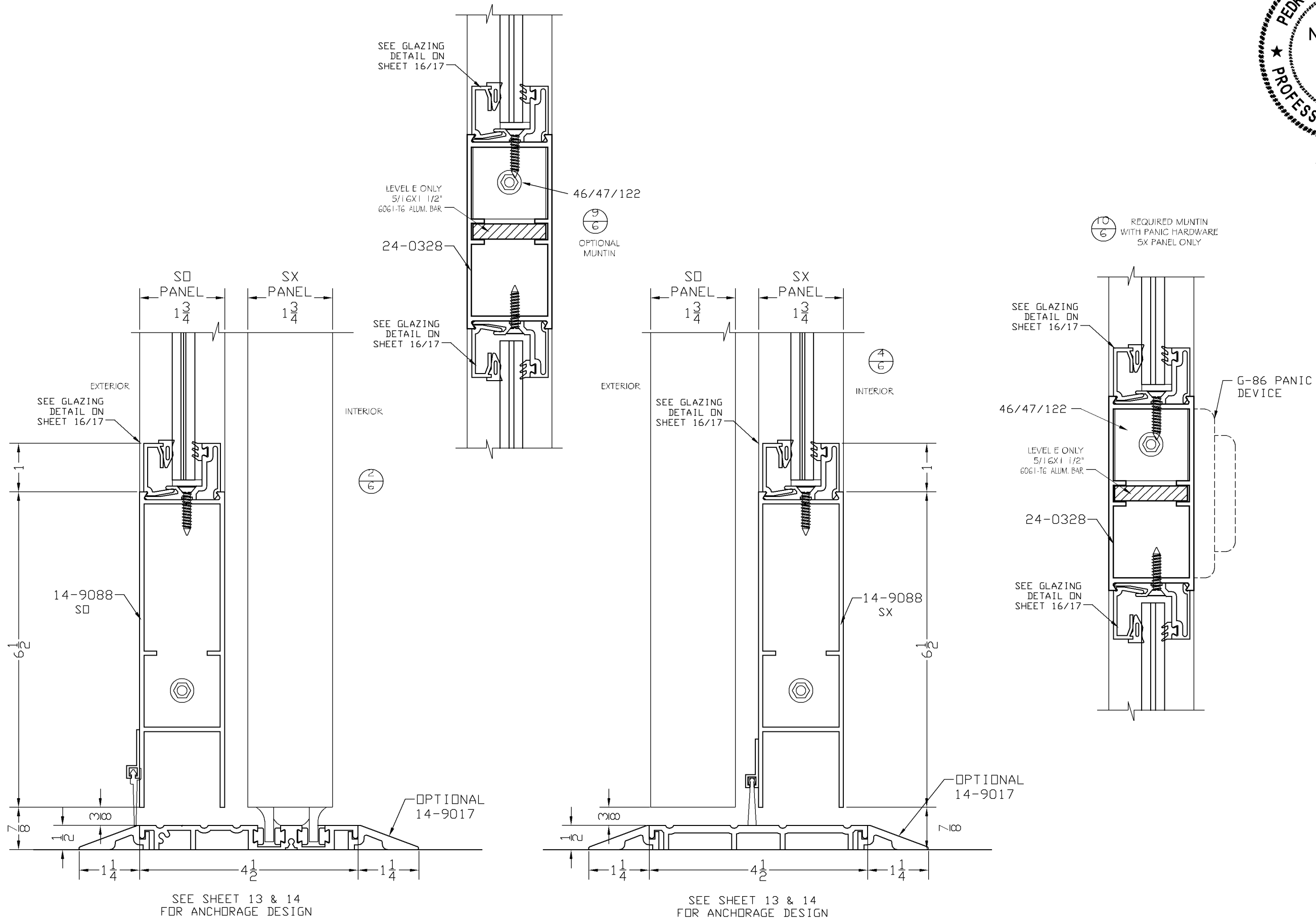
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NABCO ENTRANCES  
S82 W18717 GEMINI DRIVE  
MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
5 OF 24



SILL SECTION DETAILS - 1175 FBO



Pedro De Figueiredo  
PE 52609  
10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.



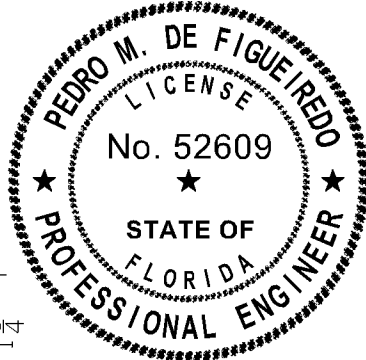
PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

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

SCALE:  
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DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
6 OF 24

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

JAMB, INTERLOCK AND MEETING SECTION DETAILS - 1175 FBO



Pedro De Figueiredo  
PE 52609  
10/01/2023

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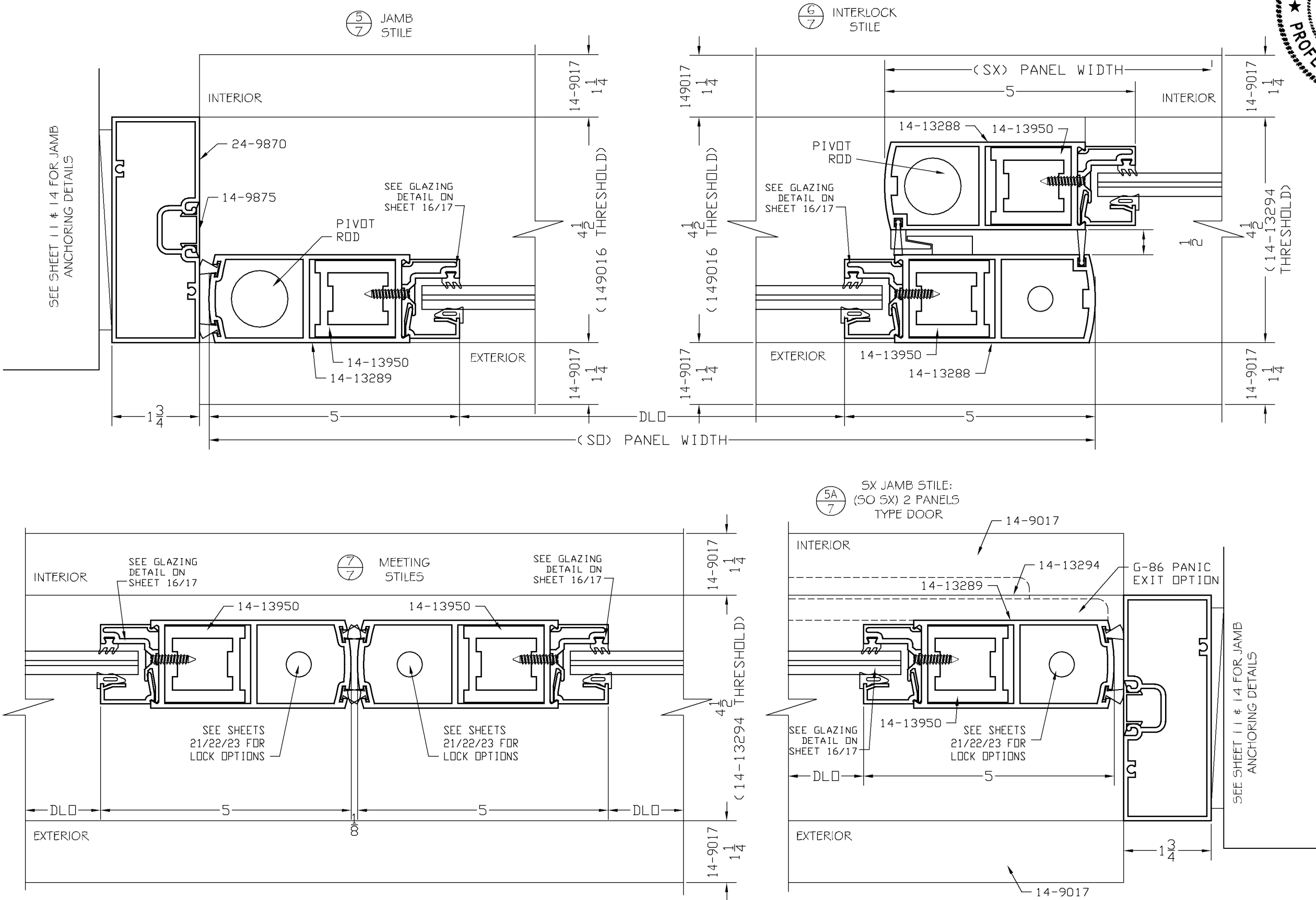


PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

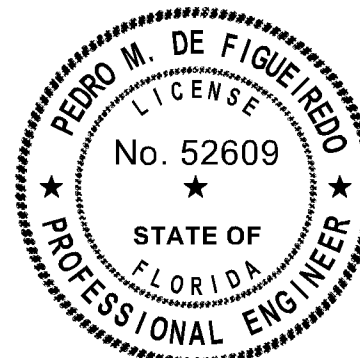
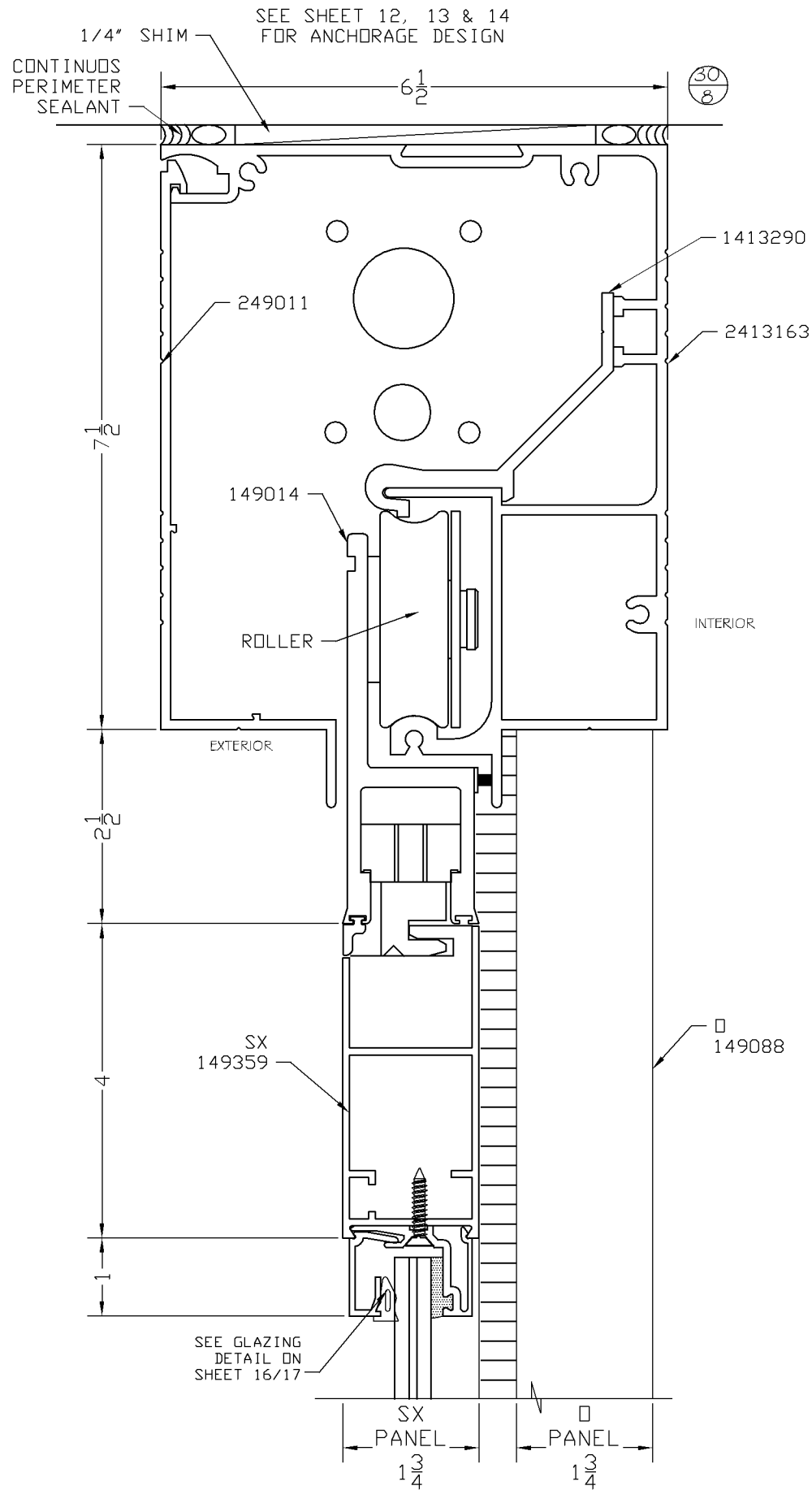
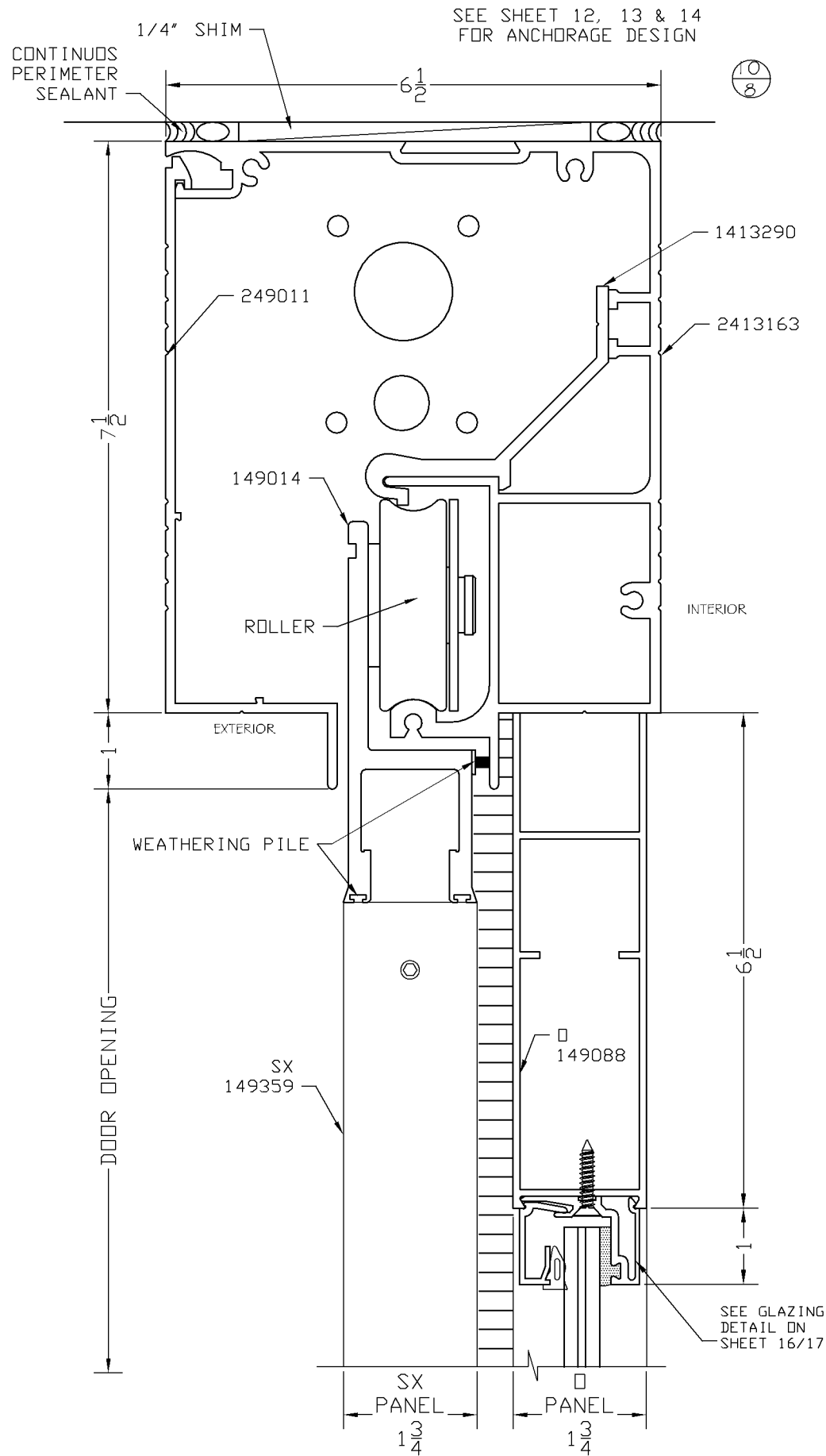


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MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
7 OF 24



HEADER SECTION DETAILS - 1175 FS



Pedro De Figueiredo  
PE 52609  
10/01/2023

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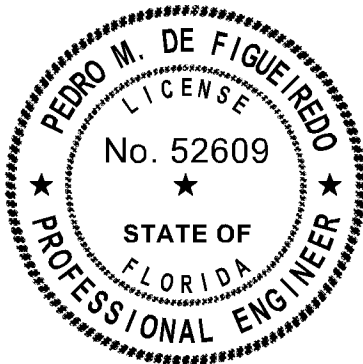
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SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED



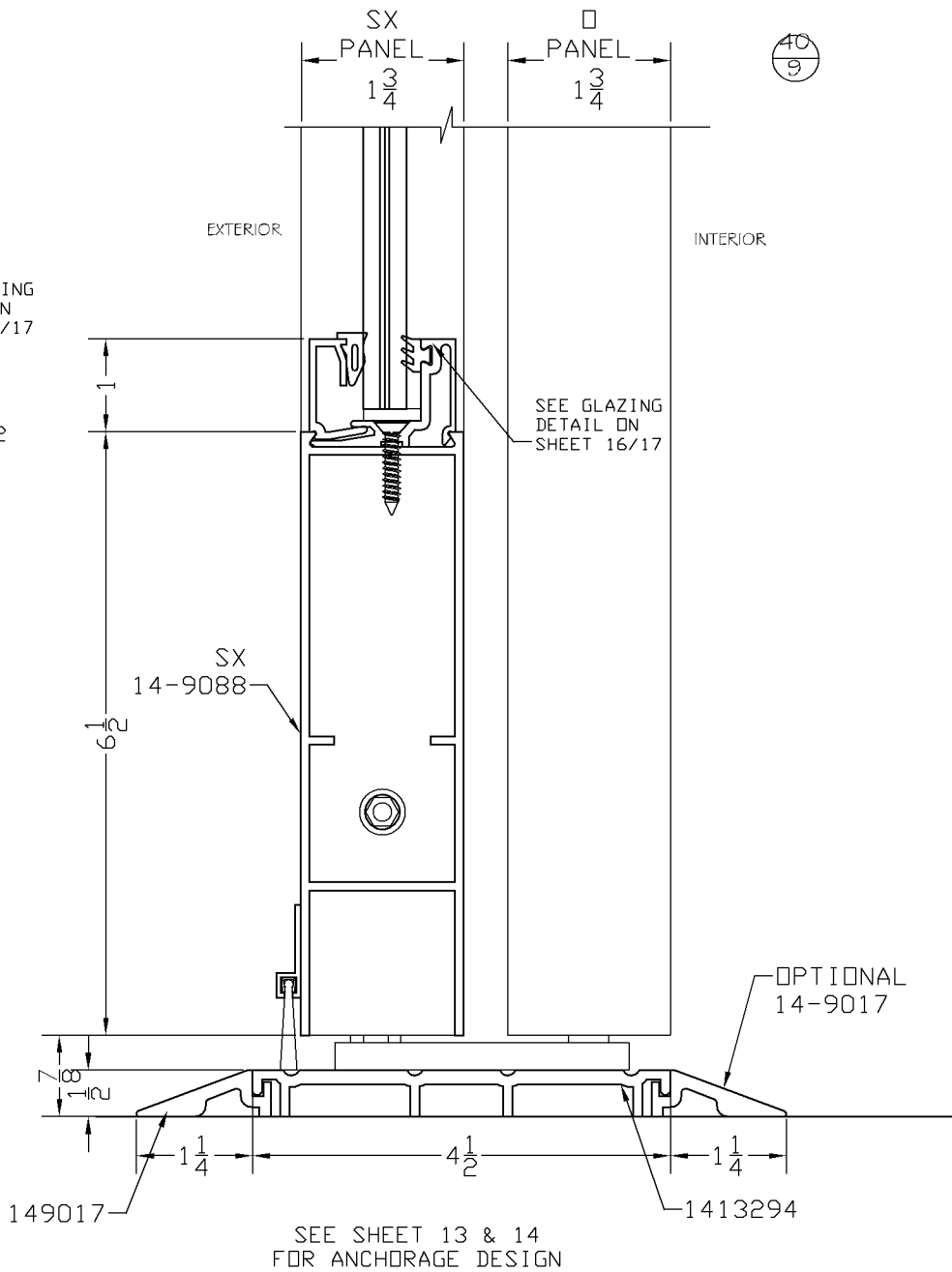
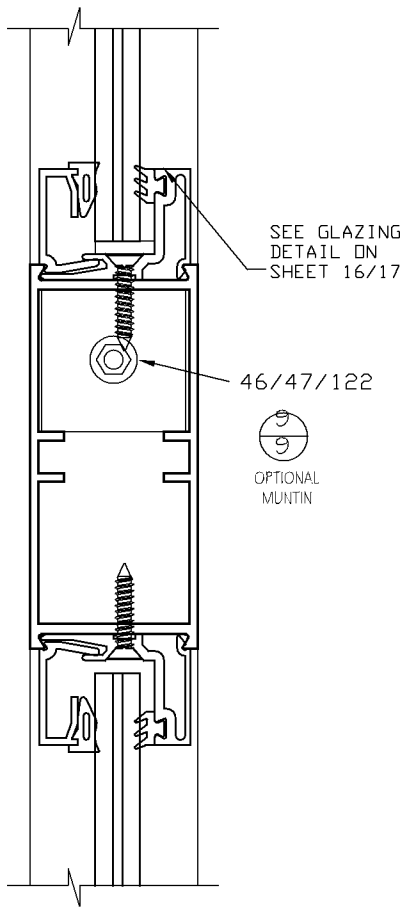
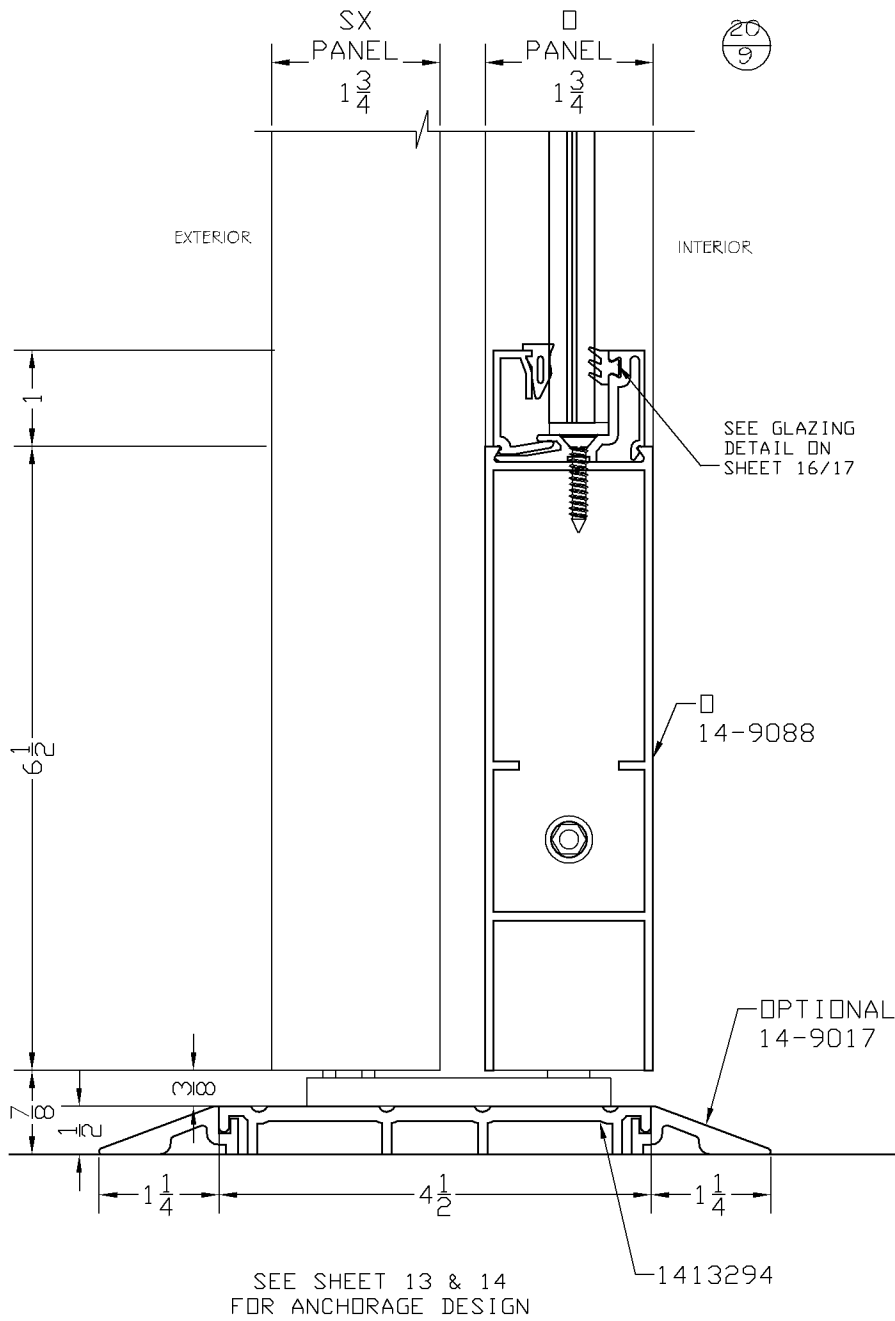
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23-186  
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8 OF 24

SILL SECTION DETAILS - 1175 FS



Pedro De Figueiredo  
PE 52609  
10/01/2023



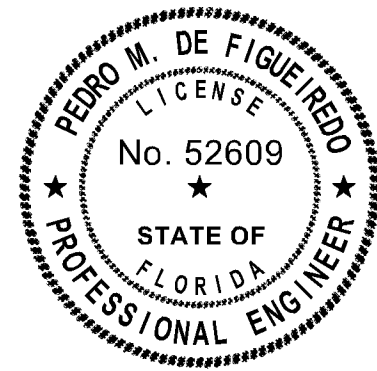
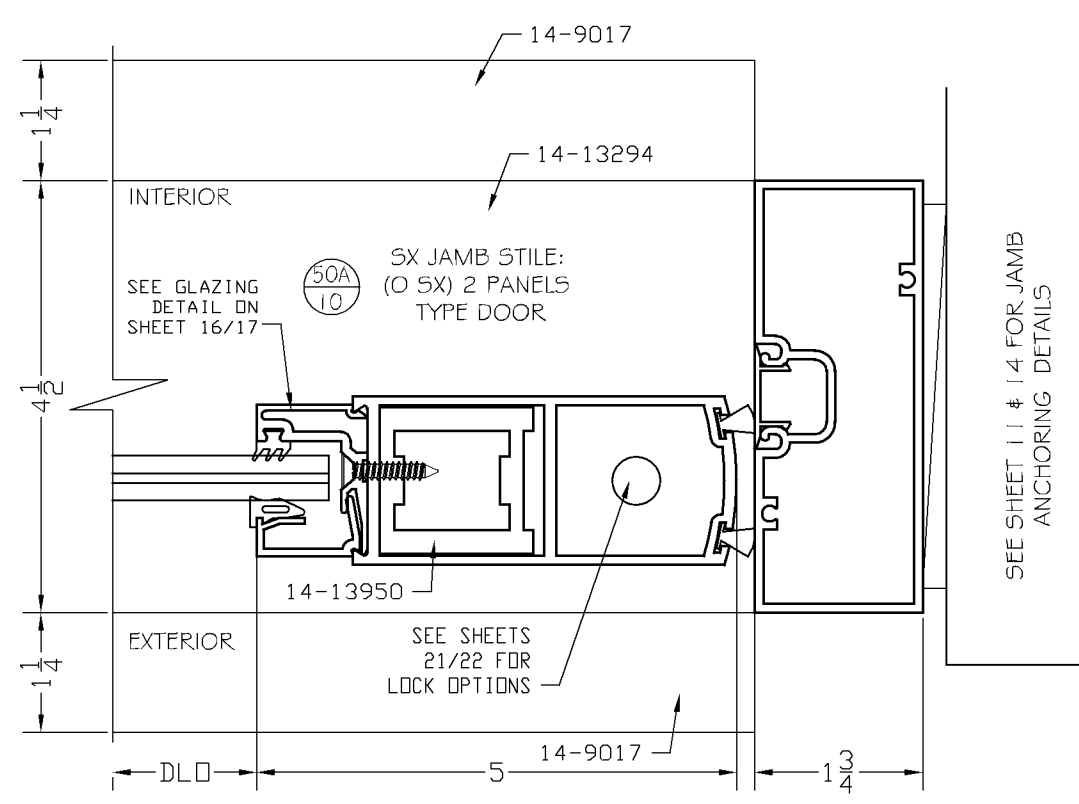
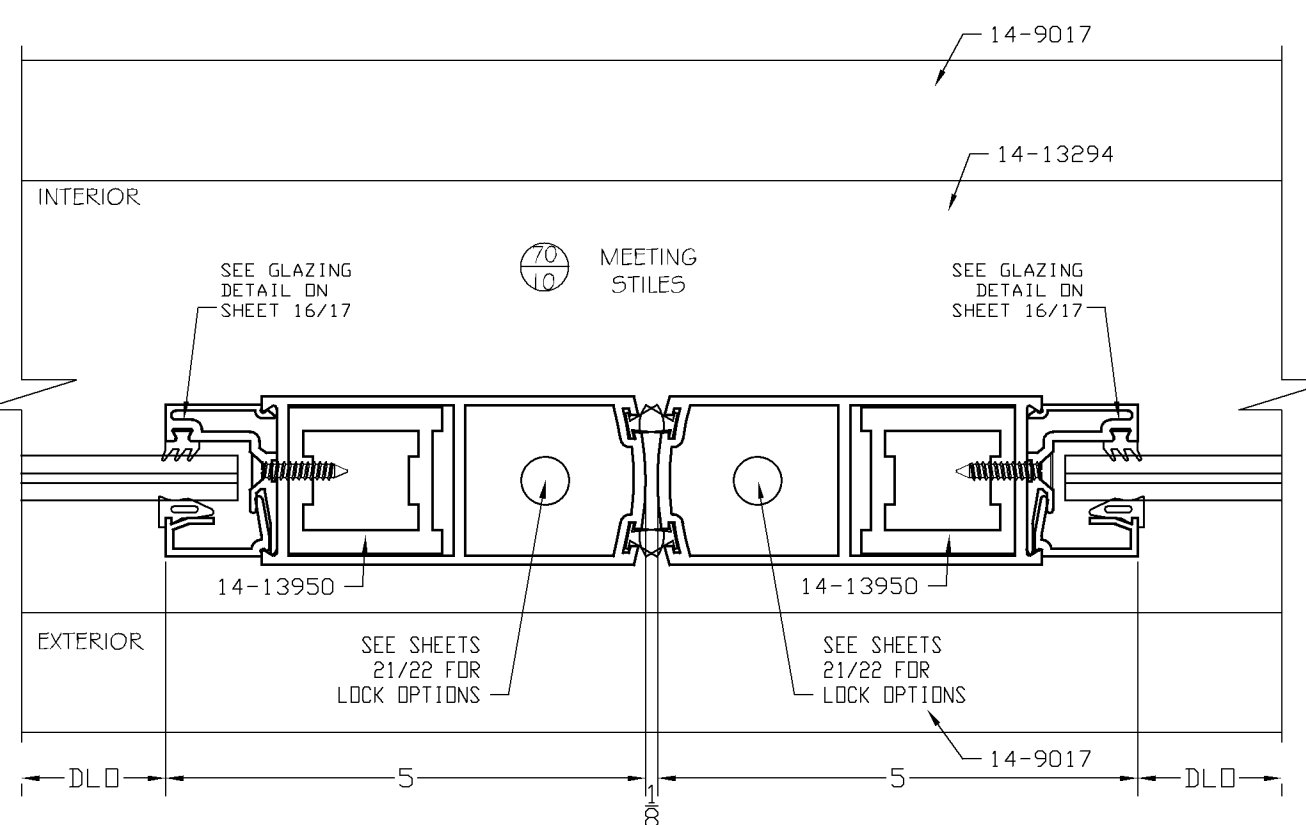
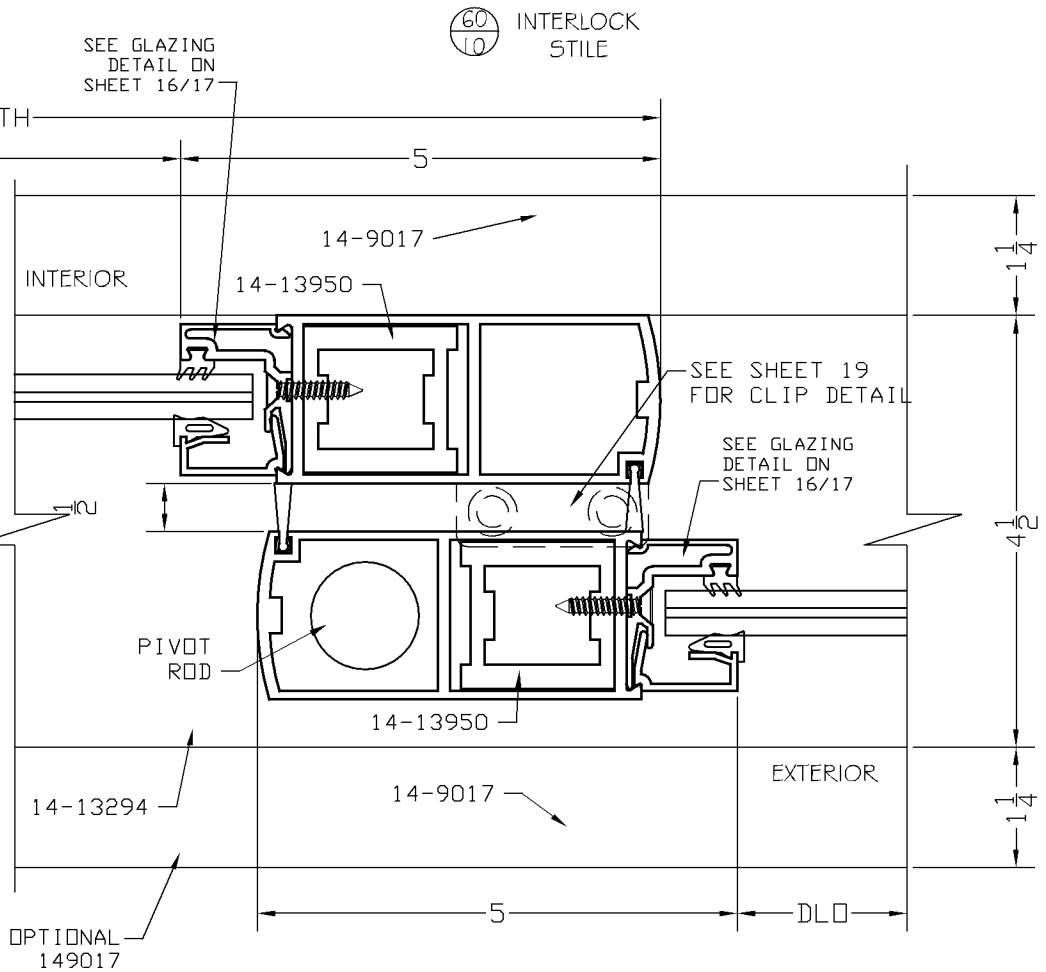
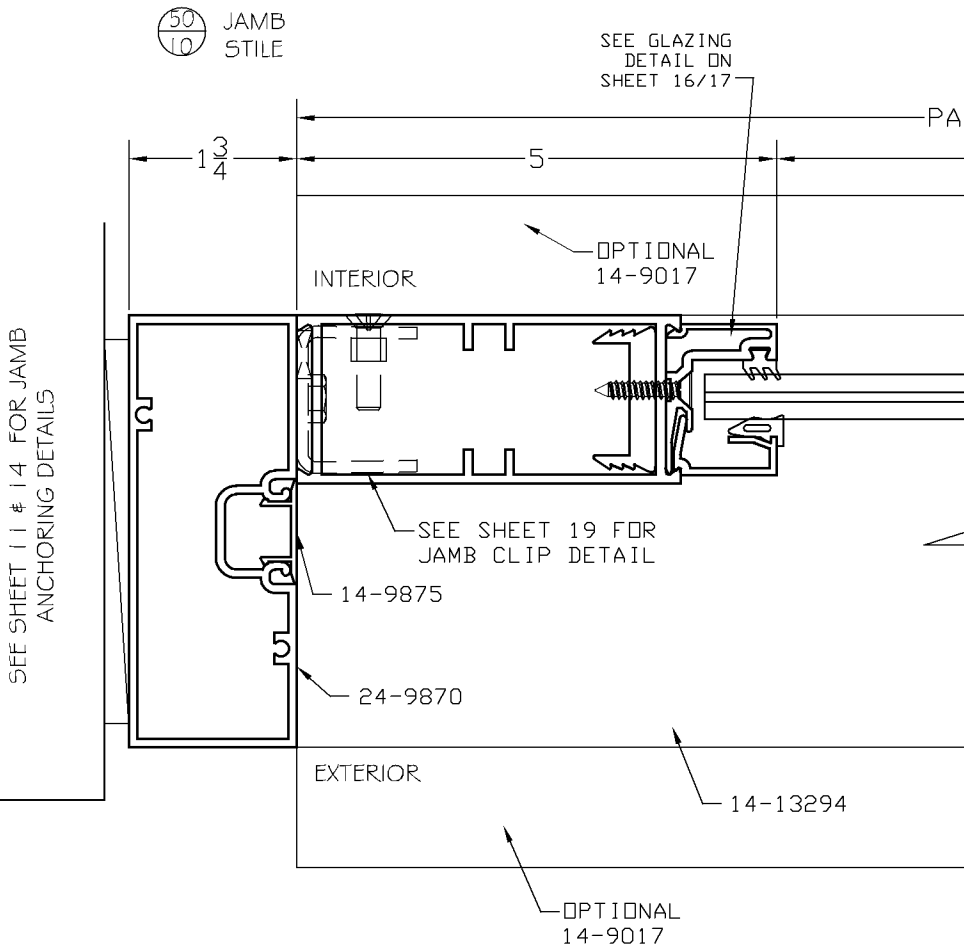
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
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LEVELS D, E AND A IMPACT RATED

MANUFACTURER:  
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23-186  
SHEET  
9 OF 24

JAMB, INTERLOCK AND MEETING SECTION DETAILS - 1175 FS



Pedro De Figueiredo  
PE 52609  
10/01/2023

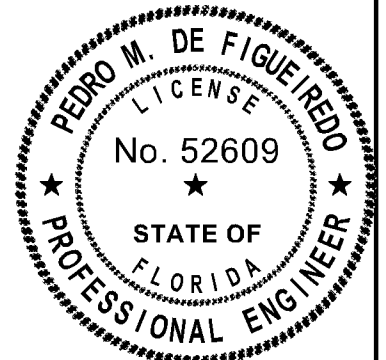
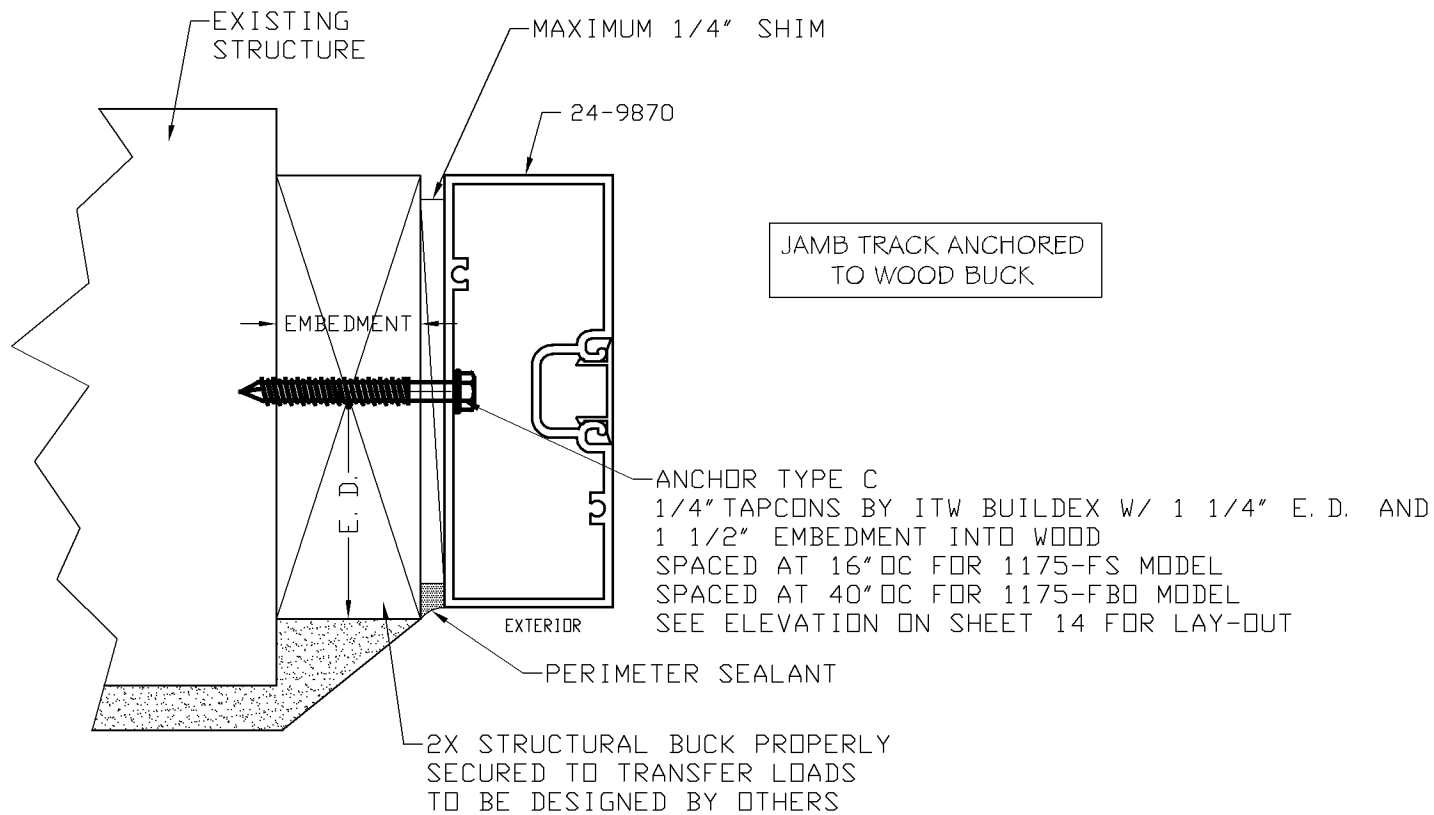
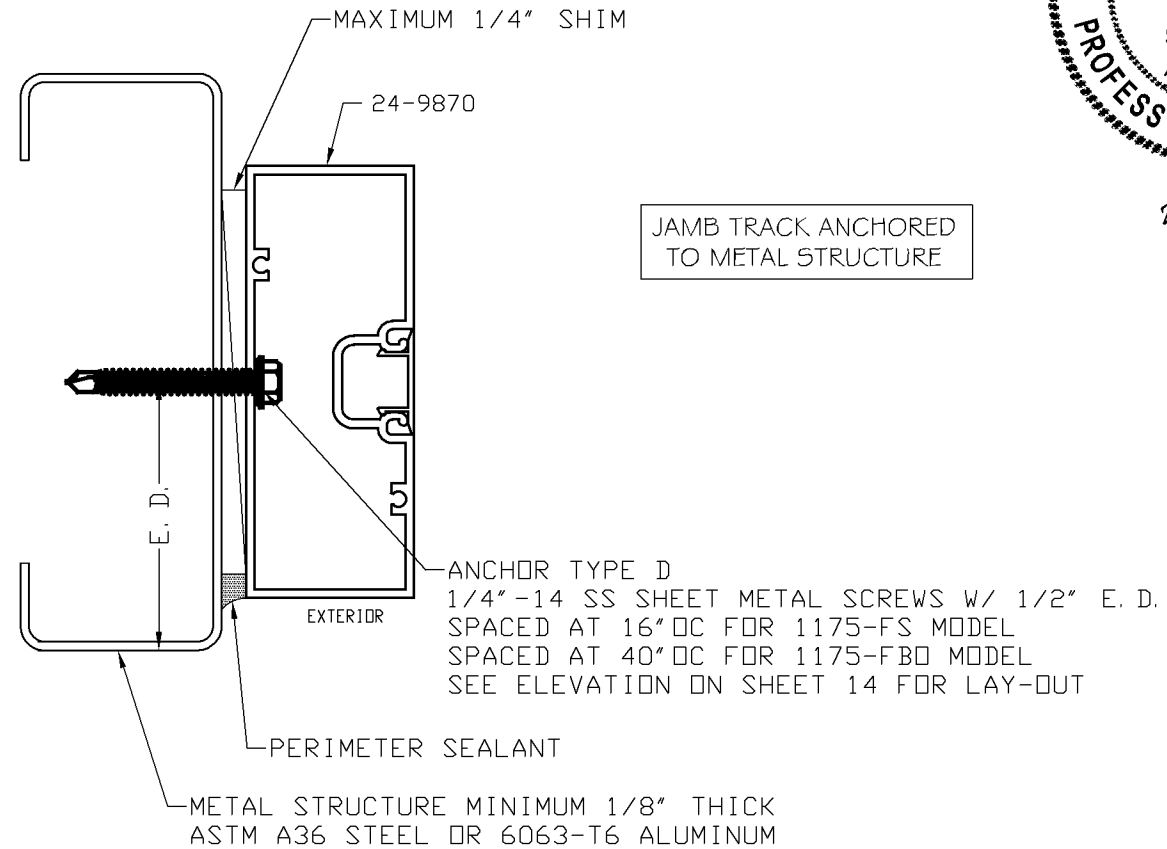
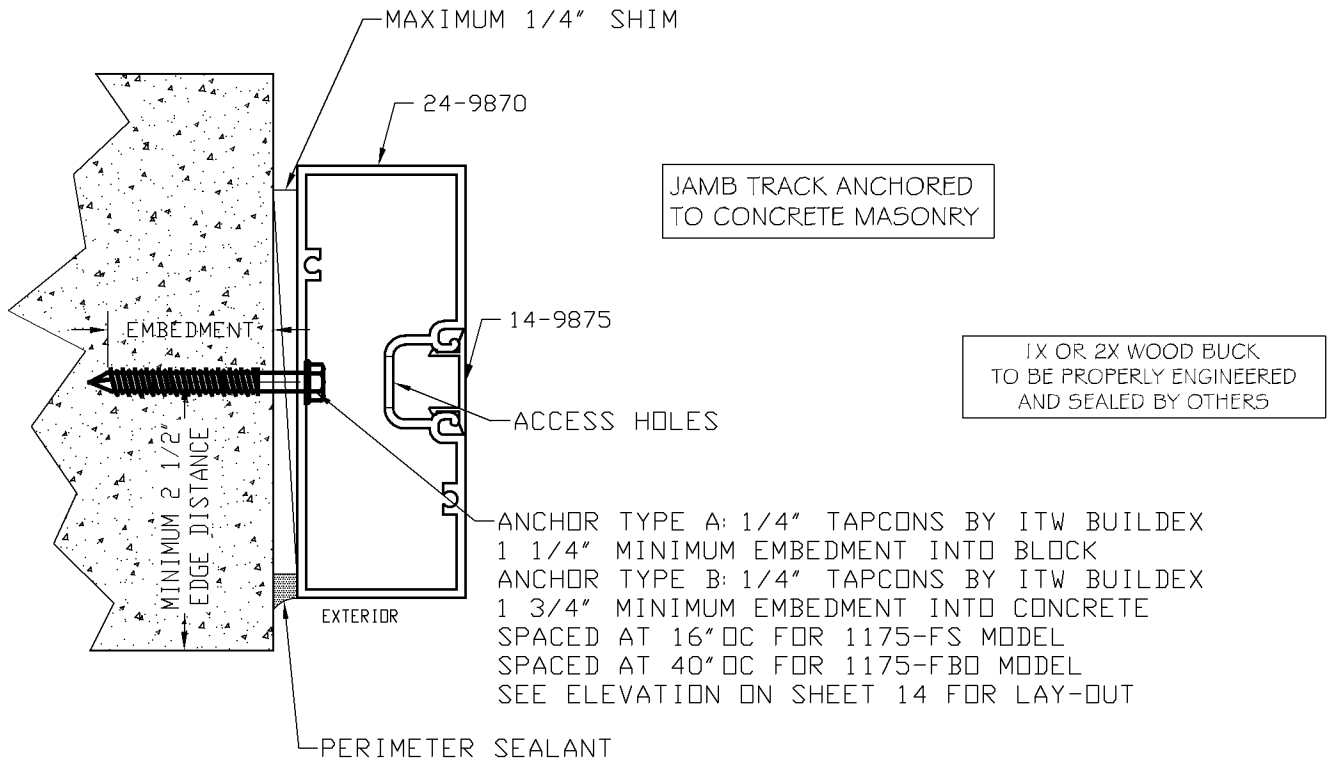
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DRAWING #  
23-186  
SHEET  
10 OF 24

JAMB FRAMING ANCHORAGE DETAILS



Pedro De Figueiredo  
PE 52609  
10/01/2023

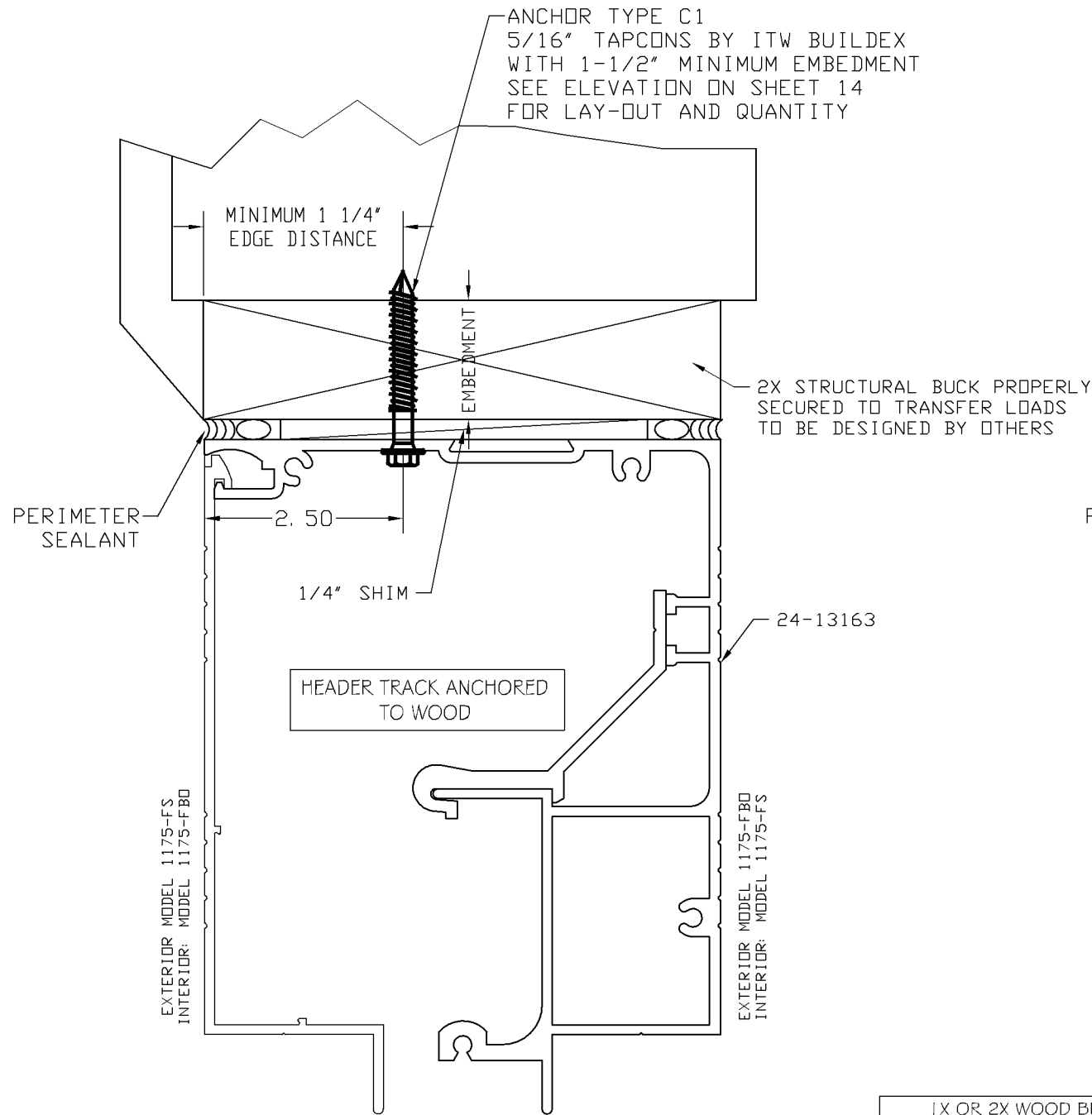
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SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
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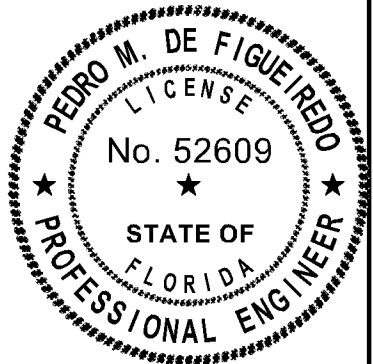
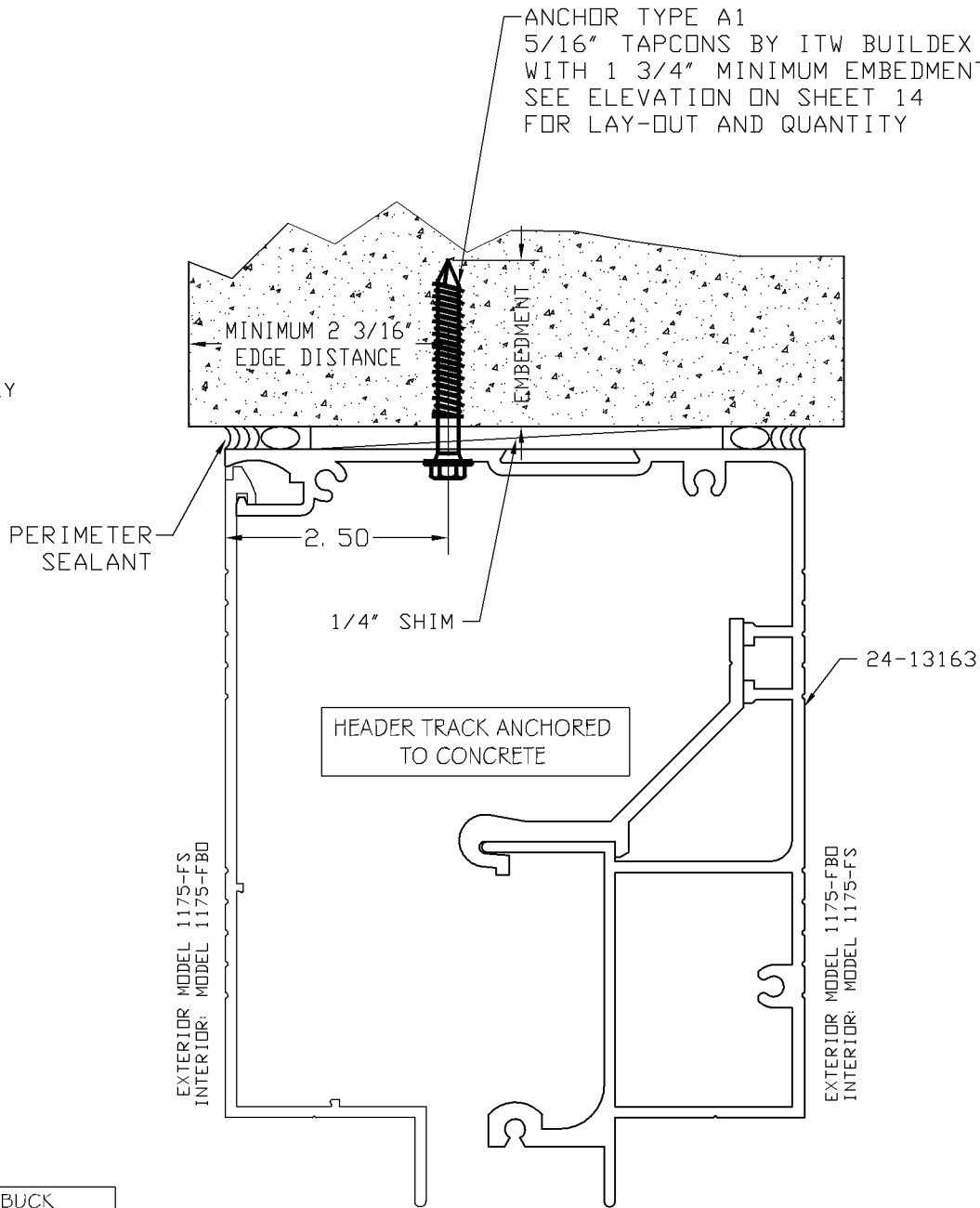
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HEADER FRAMING ANCHORAGE DETAILS



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



Pedro De Figueiredo  
PE 52609  
10/01/2023

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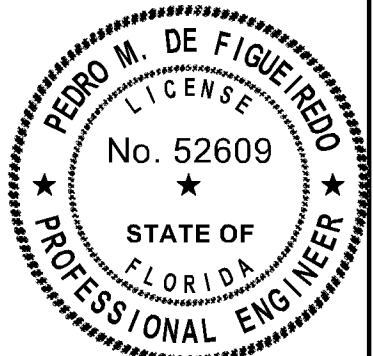
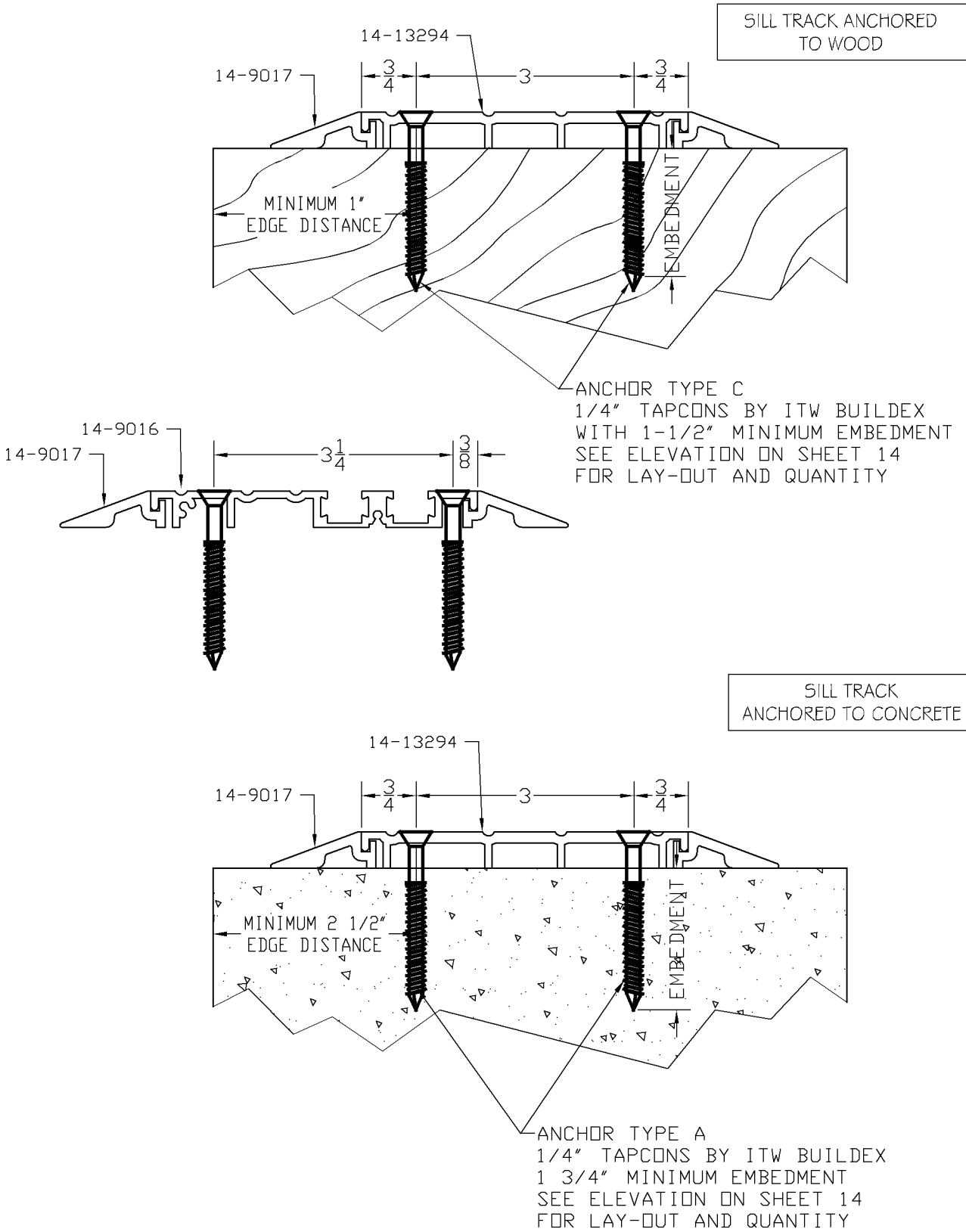
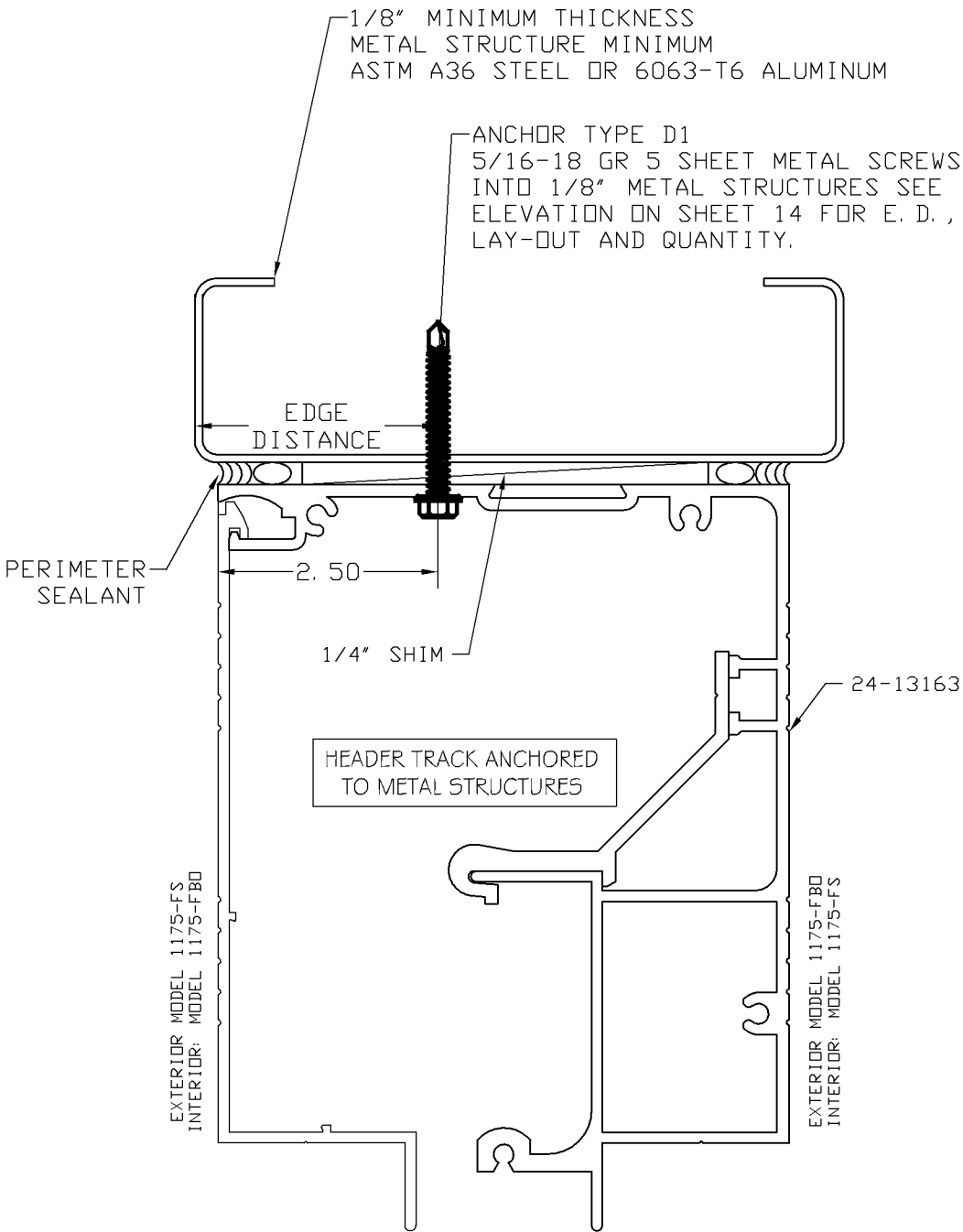
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23-186  
SHEET  
12 OF 24



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

HEADER & SILL FRAMING ANCHORAGE DETAILS



Pedro De Figueiredo  
PE 52609  
10/01/2023

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PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
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LARGE & SMALL MISSILE  
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SCALE:  
NA

DATE:  
10/01/2023

DRAWING #  
23-186

SHEET  
13 OF 24

| ANCHOR TYPE AND # OF PAIR / CLUSTERS |            |                 |                 |
|--------------------------------------|------------|-----------------|-----------------|
| FH<br>(IN)                           | DM<br>(IN) | 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              |
|                                      | 54         | 70              | 47              |
| 96                                   | 36         | 101             | 67              |
|                                      | 39         | 93              | 62              |
|                                      | 42         | 87              | 58              |
|                                      | 45         | 81              | 54              |
|                                      | 48         | 76              | 51              |
|                                      | 52         | 70              | 47              |
| 100                                  | 36         | 97              | 65              |
|                                      | 39         | 90              | 60              |
|                                      | 42         | 83              | 55              |
|                                      | 45         | 78              | 52              |
|                                      | 48         | 73              | 48              |
|                                      | 49         | 70              | 47              |
| 104                                  | 36         | 93              | 62              |
|                                      | 39         | 86              | 57              |
|                                      | 42         | 80              | 53              |
|                                      | 45         | 75              | 50              |
|                                      | 48         | 70              | 47              |

|       |       | 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 |               |
|       | 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 |               |
|       | 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 |               |
|       | 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 |               |
| 104   | 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 |               |

MODEL GT1175 FS: USE  
(1) ANCHOR TYPE A1, C1 OR D1  
FOR ALL LOAD CONDITIONS

HEADER TRACK - INTERLOCK AND MEETING STILES  
CLUSTER OF ANCHORS TYPE A1, C1, OR D1  
SPACED AT 4" OC SEE TABLE 4 FOR CAPACITY

TYPICAL BETWEEN CLUSTER  
ANCHORS A1, C1 OR D1  
SPACED AT MAX. 20" OC

MODEL GT1175 FBD  
END CLUSTERS: USE 1/2 OF  
THE ANCHORS REQUIRED FOR  
THE INTERMEDIATE STILES

ANCHORS TYPE A, B, C OR D  
AS PER SHEET 11 SPACED AT  
40" OC FOR MODEL GT1175-FBD  
16" OC FOR MODEL GT1175-FS

MAX. 20" OC

MAX. 20" OC

MAX. 20" OC

MAX. 20" OC

DM

DM

DM

DM

ANCHORS TYPE A, B, C OR D  
AS PER SHEET 11 SPACED AT  
40" OC FOR MODEL GT1175-FBD  
16" OC FOR MODEL GT1175-FS

MAX. 40" OC

MAX. 40" OC

36 1/4

SILL TRACK - TYPICAL PAIR OF ANCHOR  
A OR C CLUSTERED IN 2 OR 3 PAIRS  
SPACED AT 4" OC - SEE TABLE 3 FOR CAPACITY

MODEL GT1175-FBD CLUSTER OF  
2 PAIR OF ANCHORS TYPE A  
OR C SPACED AT 4" OC

TYPE  
CLUSTERS

3" OR 3 1/4"

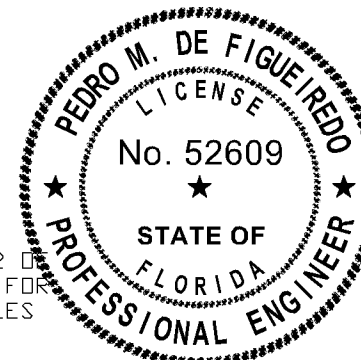
INTERLOCK CLUSTER

MEETING CLUSTER

INTERLOCK CLUSTER

BETWEEN CLUSTERS

| 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 <sub>y</sub> =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    |                       |



Pedro De Figueiredo  
PE52609  
10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
 PERSONS BE SIGNING ON THE DATE INDICATED HERE

CT: SYSTEM GTI175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED



MANUFACTURER:

**NABCO**

**NABCO ENTRANCES**  
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MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:  
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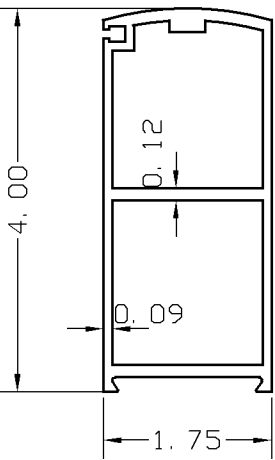
DRAWING #  
23-186

SHEET  
4 OF 24

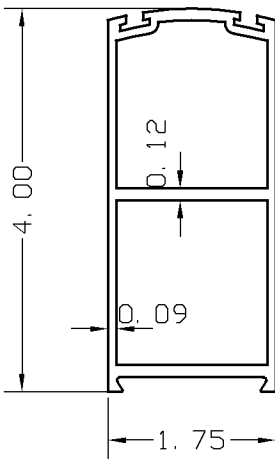
ENGINEERING SERVICES - CA 32459  
9715 W. BROWARD BLVD.  
PLANTATION, FL 33324  
PPMF@AOL.COM ENGINEER  
PEDRO DE FIGUEIREDO  
PE 520

ENGINEER SEAL  
PEDRO DE FIGUEIREDO  
PE 52609

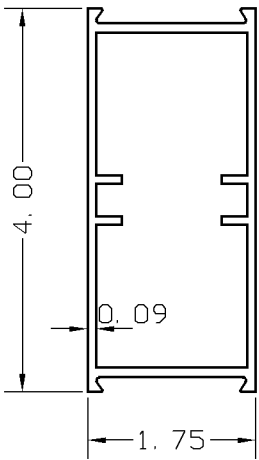
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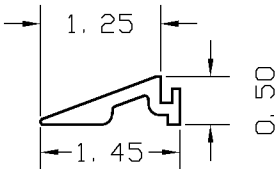
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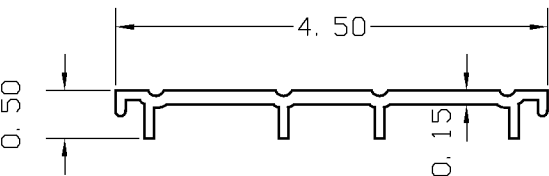
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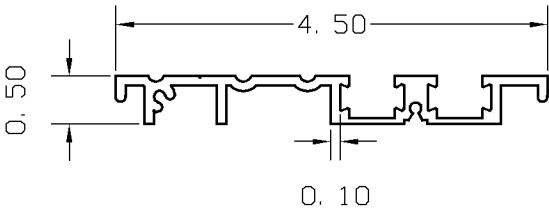
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14-9017  
THRESHOLD RAMP  
ALLOY: 6063-T5



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

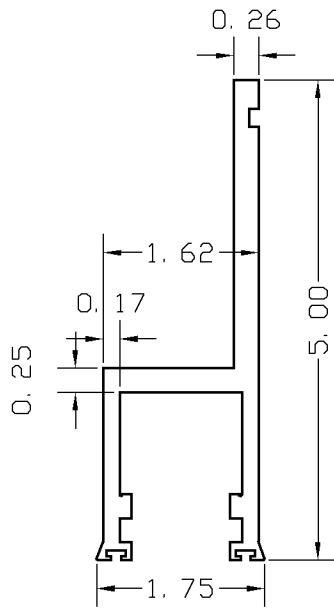


14-9016 - THRESHOLD  
GT1175 - FBO  
ALLOY: 6063-T5

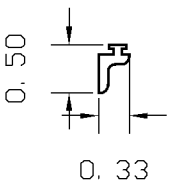
THRESHOLD 14-13294 INSTALLED FROM JAMB TO JAMB  
ON GT1175-F5 (O 5X-5X O AND O 5X) APPLICATIONS

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

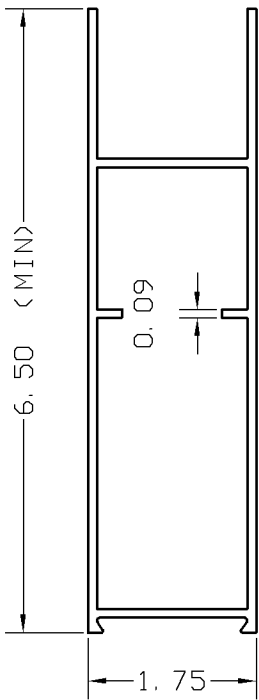
THRESHOLD 14-9016 INSTALLED ONLY UNDER THE DOOR FIXED PANELS (SO)  
ON GT1175-FBO (SO 5X-5X SO AND SO 5X) APPLICATIONS



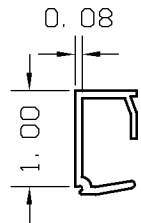
14-9014  
DOOR CARRIER  
ALLOY: 6063-T5



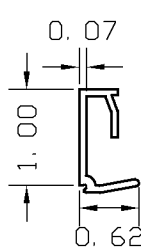
14-9015  
INTERFACE LEG  
ALLOY: 6063-T5



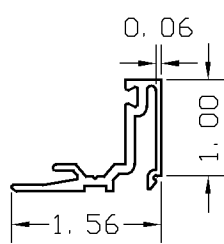
14-9088  
SIDELITE TOP & BOTTOM RAIL  
DOOR BOTTOM RAIL  
ALLOY: 6063-T5



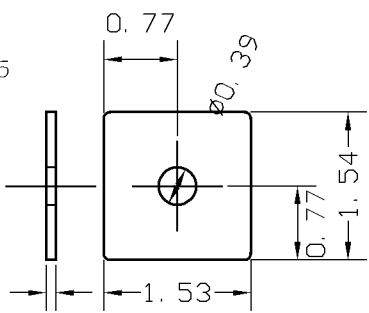
M-X0336  
NON IMPACT  
GLASS STOP  
ALLOY: 6063-T5



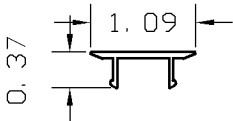
M-X0334  
LEVEL D  
GLASS STOP  
ALLOY: 6063-T5



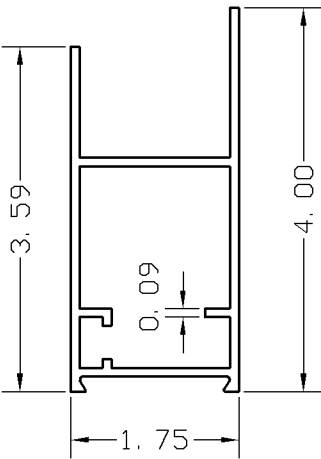
M-X0332  
NON IMPACT & LEVEL D  
GLASS STOP BASE  
ALLOY 6063-T5



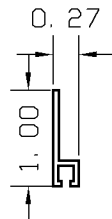
14-9225  
TIE ROD BACK-UP PLATE  
ANSI 1018 STEEL



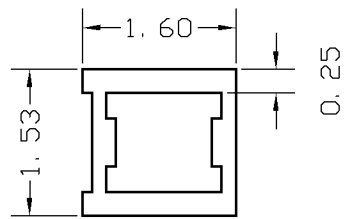
14-9875  
POCKET FILLER  
ALLOY: 6063-T5



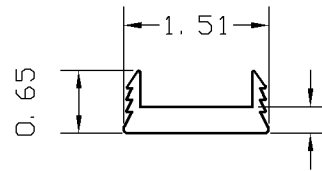
14-9359  
DOOR TOP RAIL  
ALLOY: 6063-T5



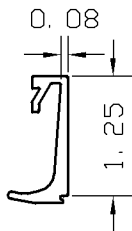
14-5636  
BRUSH HOLDER  
ALLOY 6063-T5



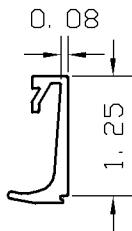
14-13950  
ALUMINUM STIFFENER  
ALLOY 6063-T5



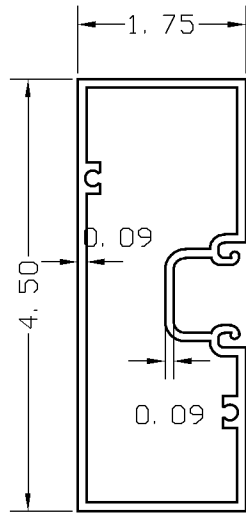
24-2967  
RAIL CLIP  
ALLOY 6063-T5



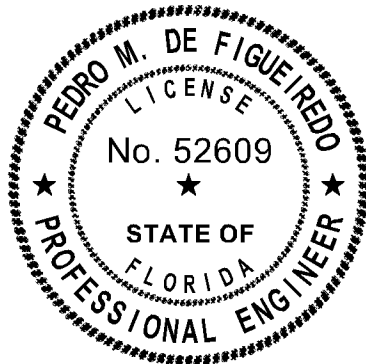
M-X2128  
LEVEL E  
GLASS STOP BASE  
ALLOY 6063-T5



M-X2127  
LEVEL E  
GLASS STOP  
ALLOY: 6063-T5



24-9870 - JAMB  
ALLOY 6063-T5



Pedro De Figueiredo  
PE 52609  
10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PRODUCT:

SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

MANUFACTURER:



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

SCALE:  
NA

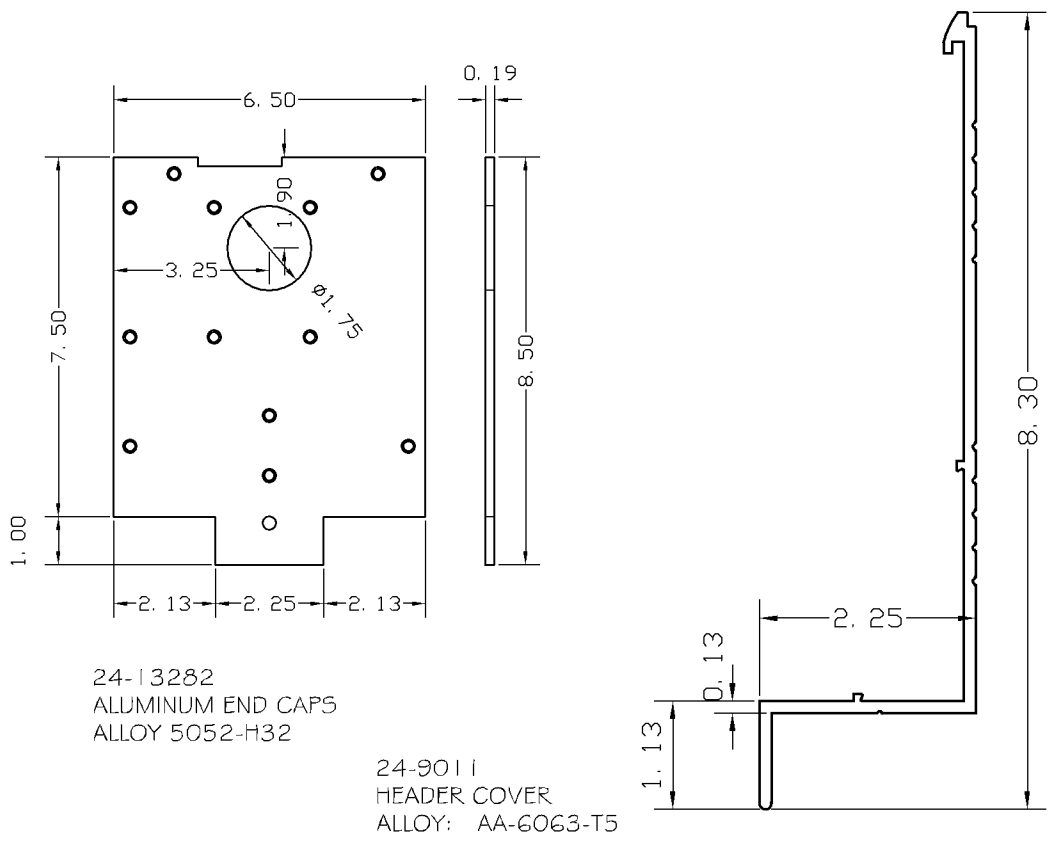
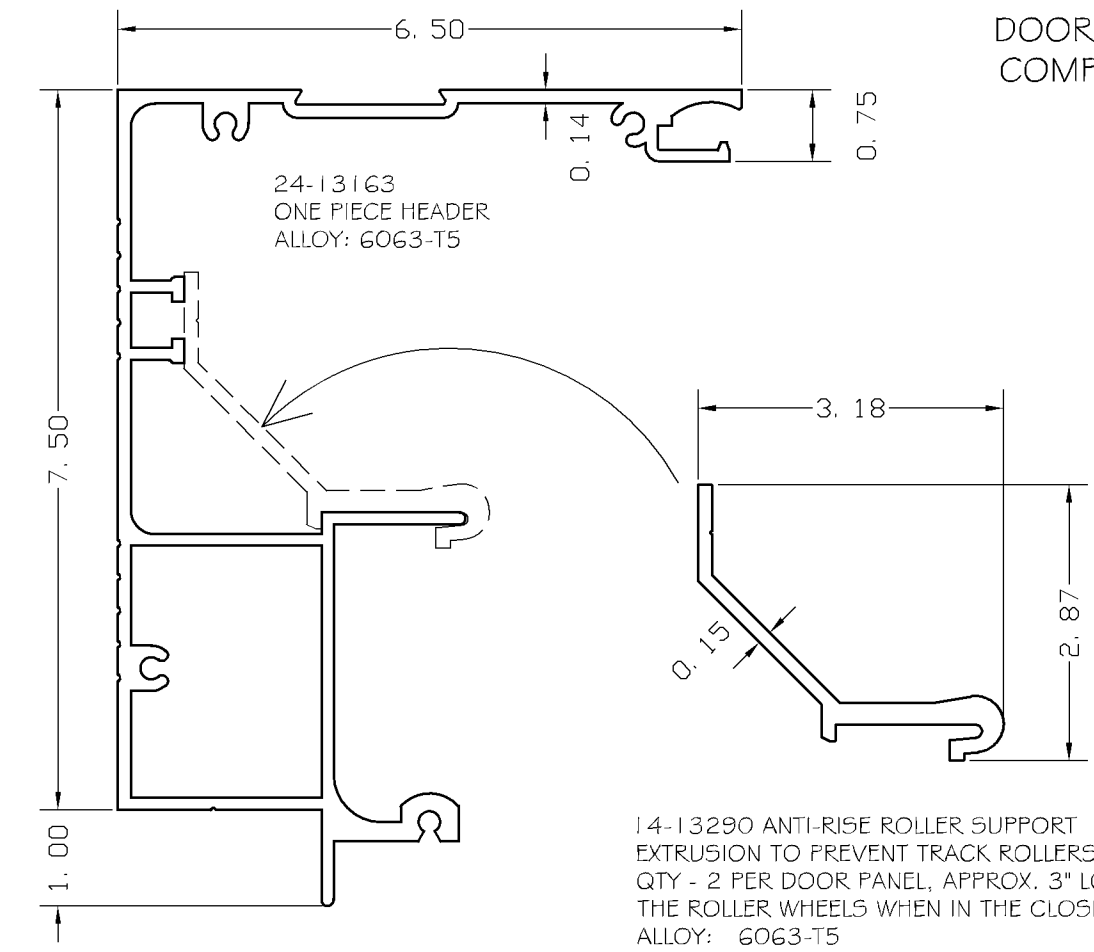
DATE:  
10/01/2023

DRAWING #  
23-186

SHEET  
15 OF 24

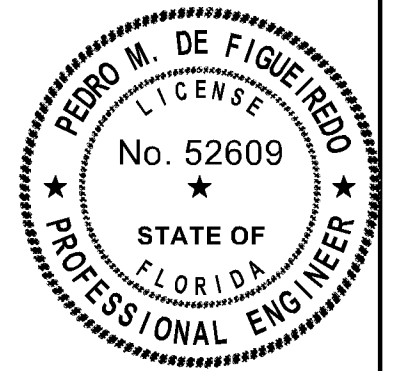
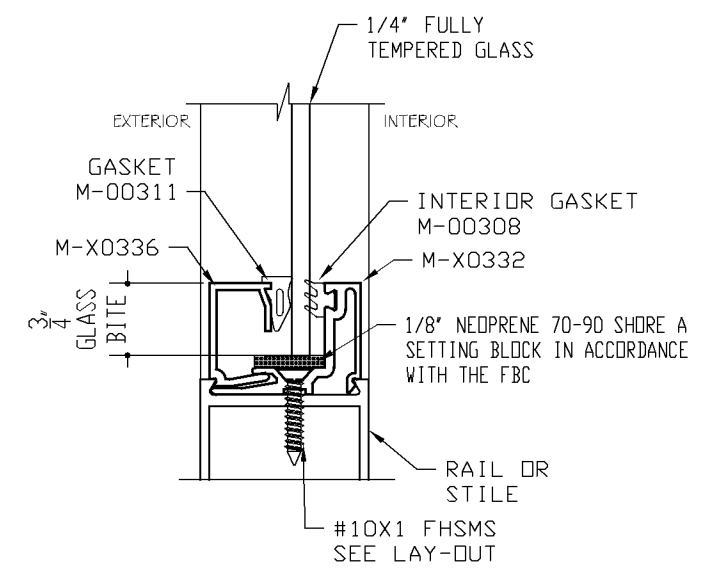


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9715 W. BROWARD BLVD.  
PLANTATION, FL 33324  
PPMF@AOL.COM  
ENGINEER SEAL  
PEDRO DE FIGUEIREDO  
PE 52609



DOOR HEADER COMPONENTS

NON IMPACT  
DRY GLAZING GLAZING DETAIL  
APPLICABLE FOR FBO & FS OPTIONS



Pedro De Figueiredo  
PE 52609  
10/01/2023

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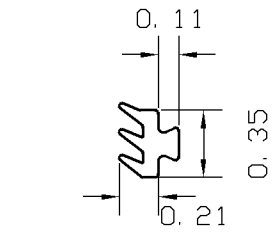
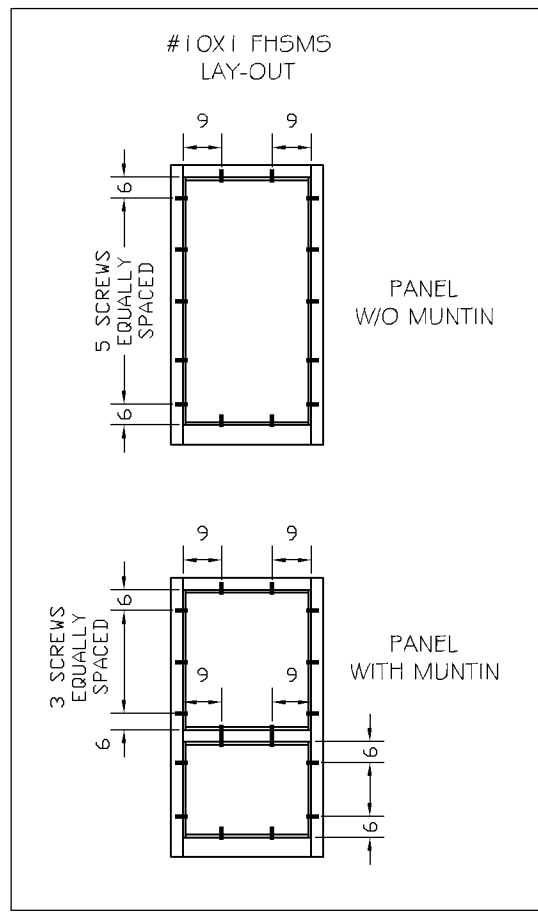


PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED



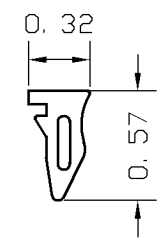
MANUFACTURER:  
NABCO ENTRANCES  
S82 W18717 GEMINI DRIVE  
MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
16 OF 24



M-00308  
INTERIOR GASKET W/ DOVETAIL .150 FC  
W/ SILICONE EMULSION

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

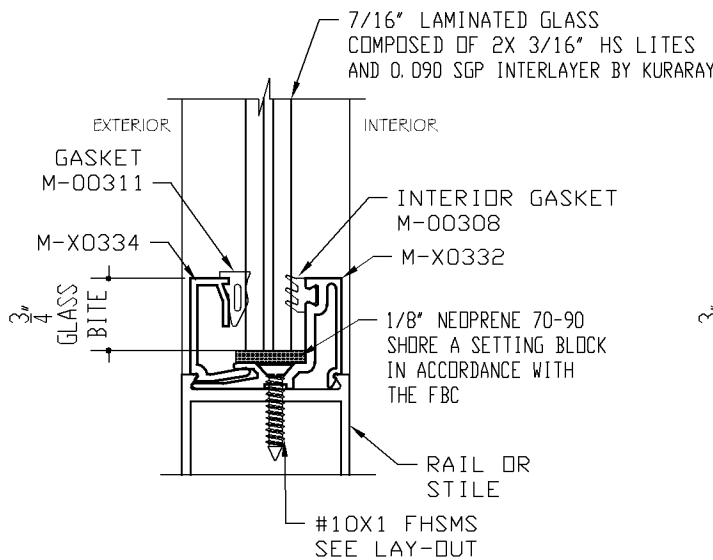


M-00311 GASKET  
EXTERIOR GASKET WEDGE .188 FC  
THERMOPLASTIC ELASTOMER

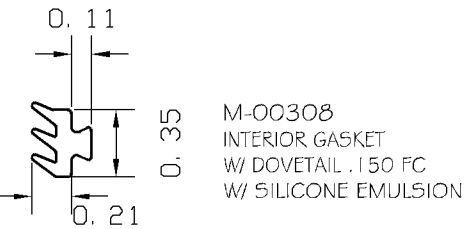
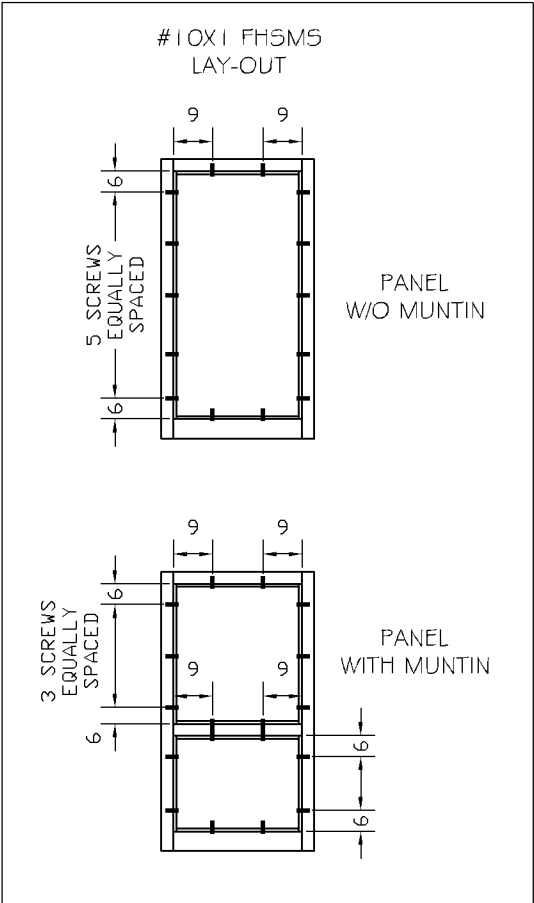
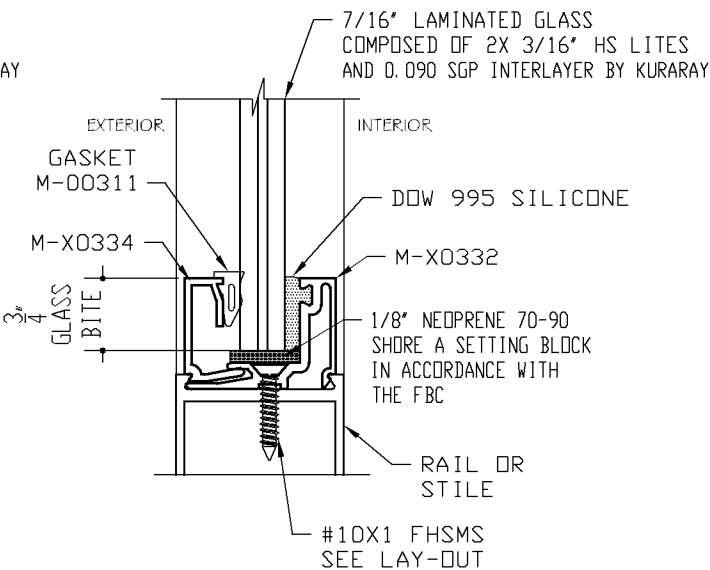
THERMOPLASTIC ELASTOMER GLAZING (W514)  
MANUFACTURER: REED RUBBER PRODUCTS  
HARDNESS: 66 SHORE A  
TENSILE STRENGTH: 798 PSI  
TEAR STRENGTH: 166 lb/in  
ELONGATION (BREAK): 320%  
SPECIFIC GRAVITY: .97

LARGE (LEVEL D) & SMALL MISSILE  
WET & DRY GLAZING DETAILS  
APPLICABLE FOR FBO AND FS OPTIONS

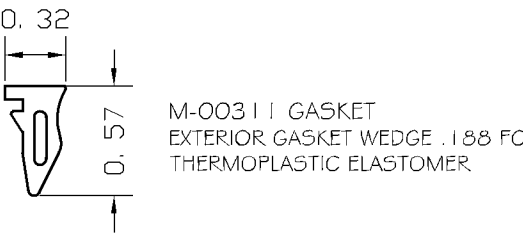
DRY GLAZING DETAIL



WET GLAZING DETAIL



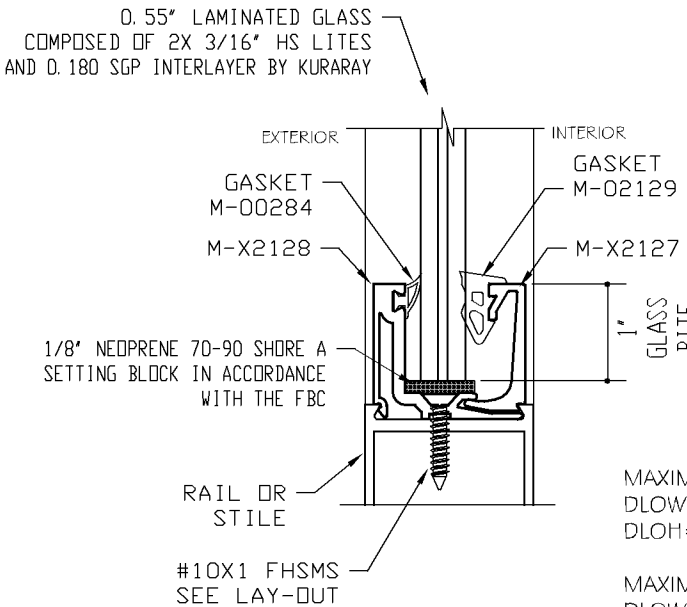
EPDM GLAZING  
MANUFACTURER: TRELLEBORG  
HARDNESS: 70 SHORE A  
TENSILE STRENGTH: 1410 PSI  
TEAR STRENGTH: 126 lbf/in  
ELONGATION (BREAK) 266%



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

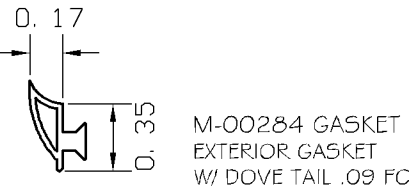
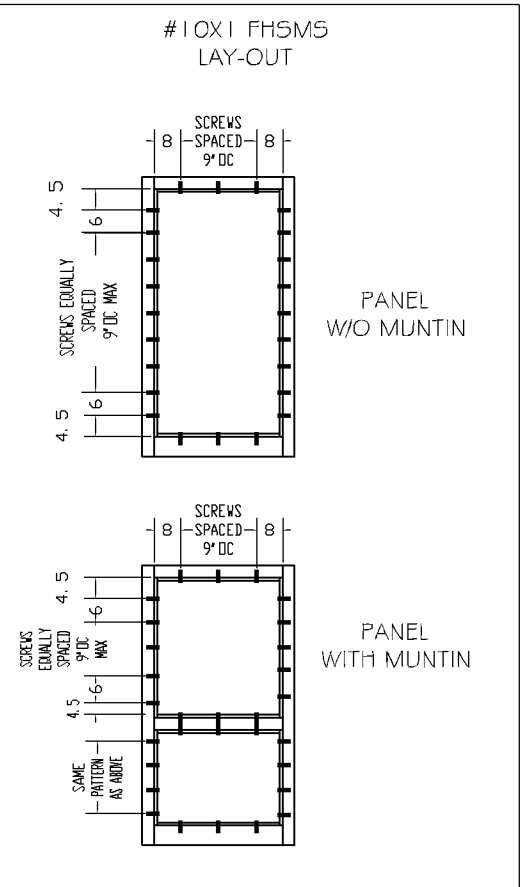
LEVEL E

DRY GLAZING DETAIL  
APPLICABLE ONLY FOR FBO OPTION

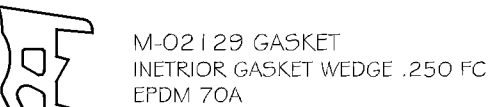


MAXIMUM DLO 50 PANEL:  
DLOW= DM-11 5/16"  
DLOH= FH-24"

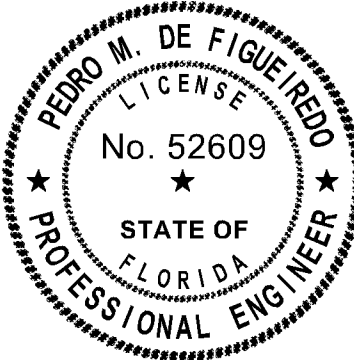
MAXIMUM DLO 5X PANEL:  
DLOW= DM- 7 1/2"  
DLOH= FH- 23 7/8"



EPDM GLAZING  
MANUFACTURER: TRELLEBORG  
HARDNESS: 66 SHORE A  
TENSILE STRENGTH: 1350 PSI  
TEAR STRENGTH: 145 lbf/in  
ELONGATION (BREAK): 350%



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



Pedro De Figueiredo  
PE 52609  
10/01/2023

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PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

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

SCALE:  
NA

DATE:  
10/01/2023

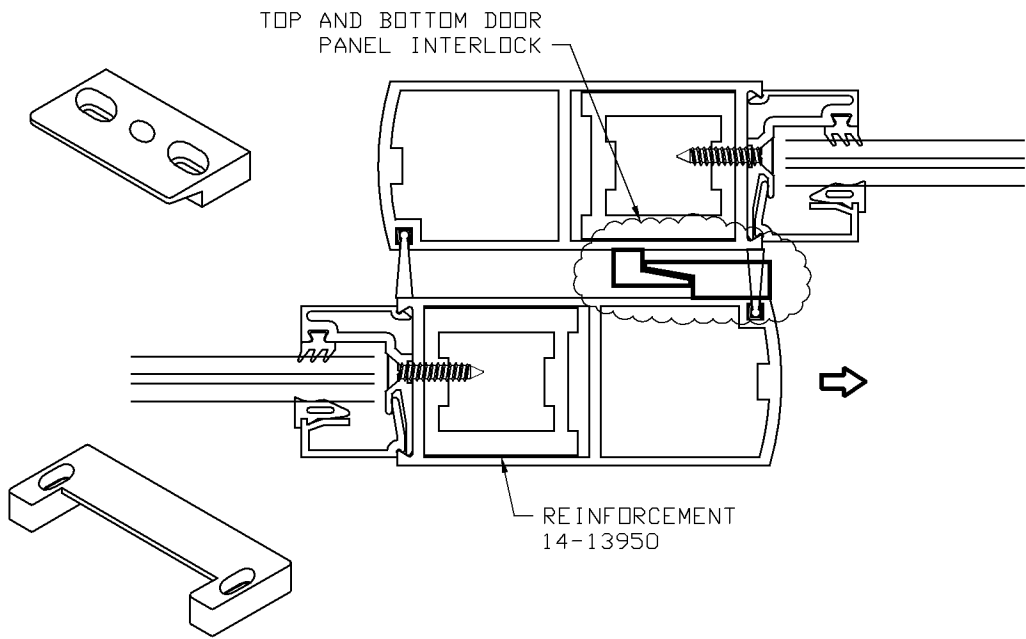
DRAWING #  
23-186

SHEET  
17 OF 24

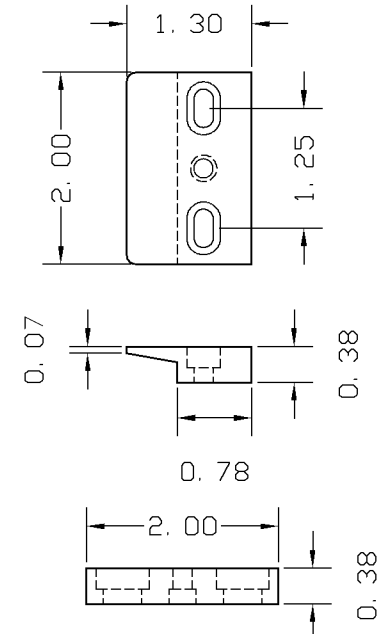
ENGINEERING SERVICES - CA 32459  
9715 W. BROWARD BLVD.  
PLANTATION, FL 33324  
PPMF@AOL.COM  
ENGINEER SEAL  
PEDRO DE FIGUEIREDO  
PE 52609

CONSTRUCTION DETAILS  
SYSTEM GT 1175 SERIES - FBO MODEL

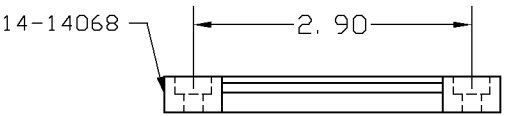
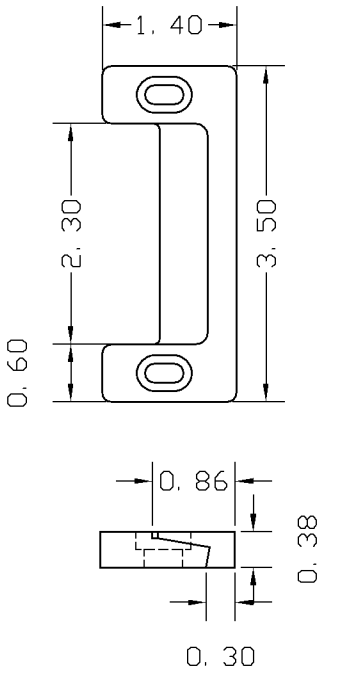
DOOR PANEL INTERLOCK  
APPLICABLE FOR 1175- FBO ONLY



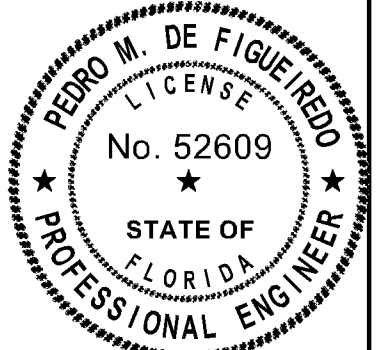
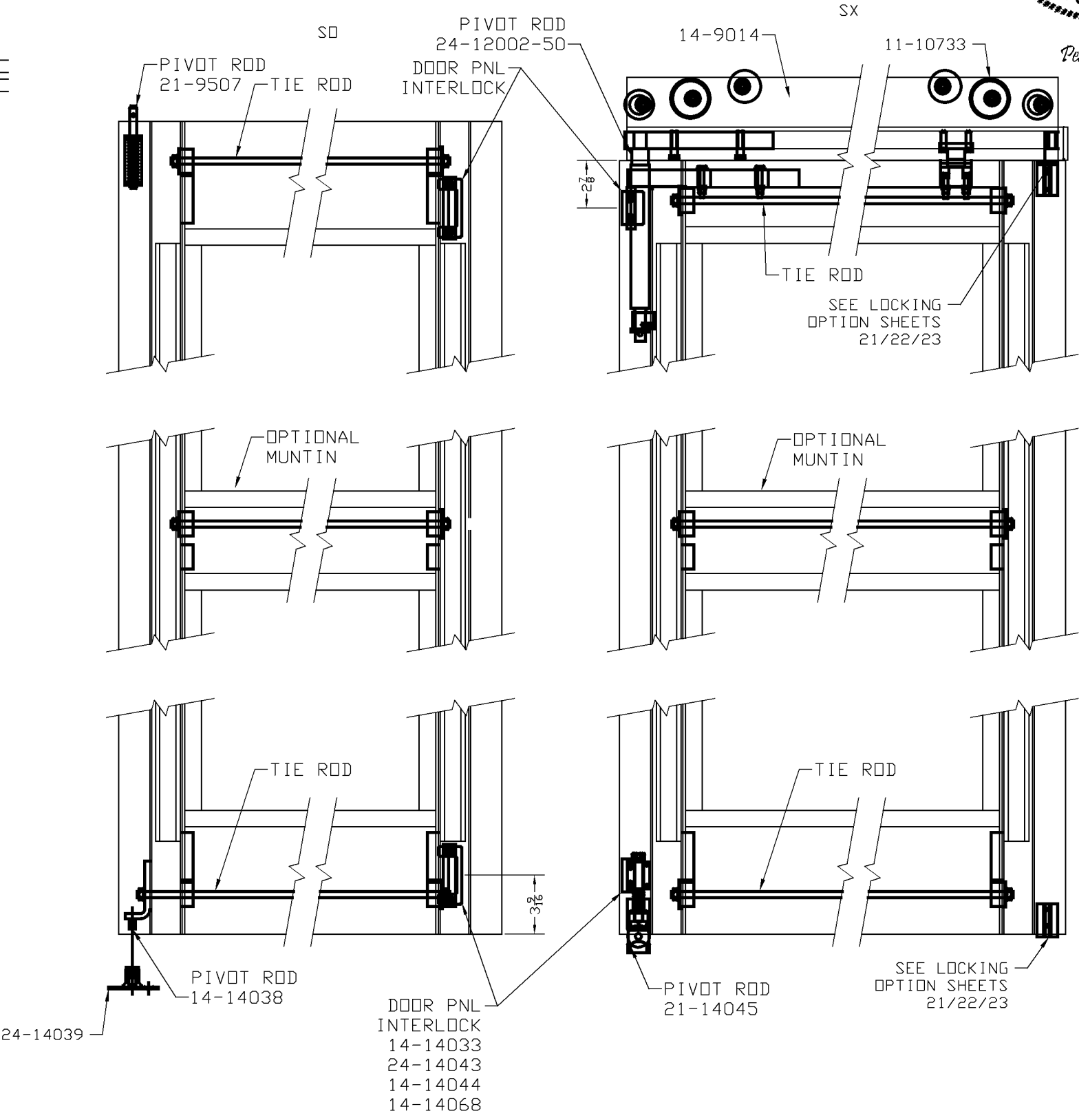
DOOR PANEL INTERLOCK (MALE)  
14-14044



DOOR PANEL INTERLOCK (FEMALE)  
24-14043



FBO  
PANEL CORNER CONTRUCTION DETAILS



Pedro De Figueiredo  
PE 52609  
10/01/2023

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PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

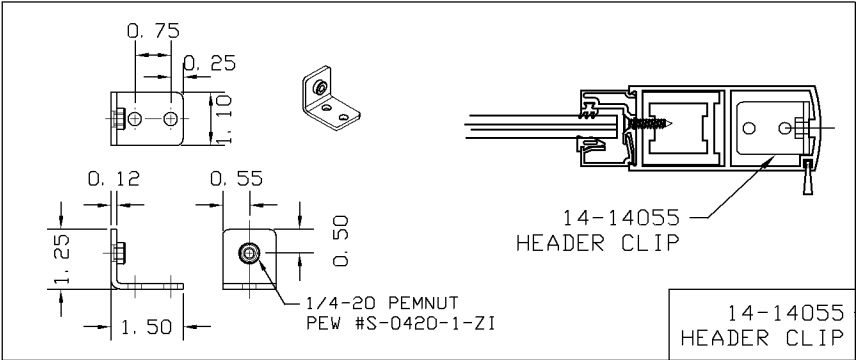
MANUFACTURER:  
**NABCO**  
NABCO ENTRANCES  
S82 W18717 GEMINI DRIVE  
MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
18 OF 24

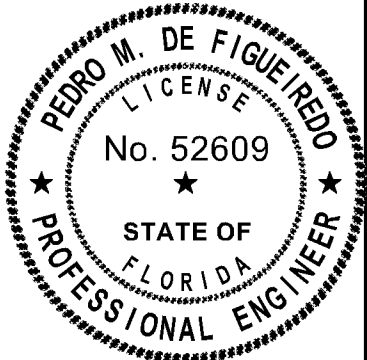


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PLANTATION, FL 33324  
PPMF@AOL.COM  
ENGINEER SEAL  
PEDRO DE FIGUEIREDO  
PE 52609

CONSTRUCTION DETAILS  
SYSTEM GT 1175 SERIES - FS MODEL



FS  
PANEL CORNER CONSTRUCTION DETAILS



Pedro De Figueiredo  
PE 52609  
10/01/2023

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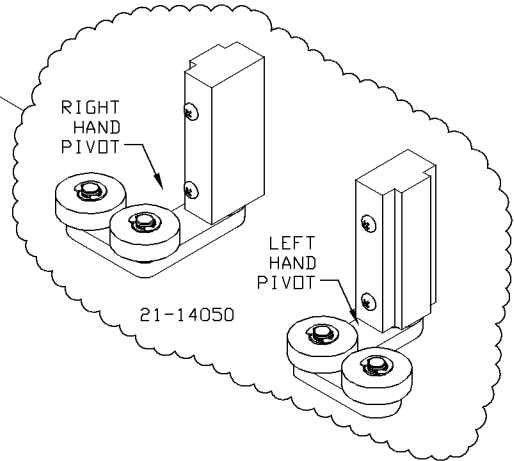
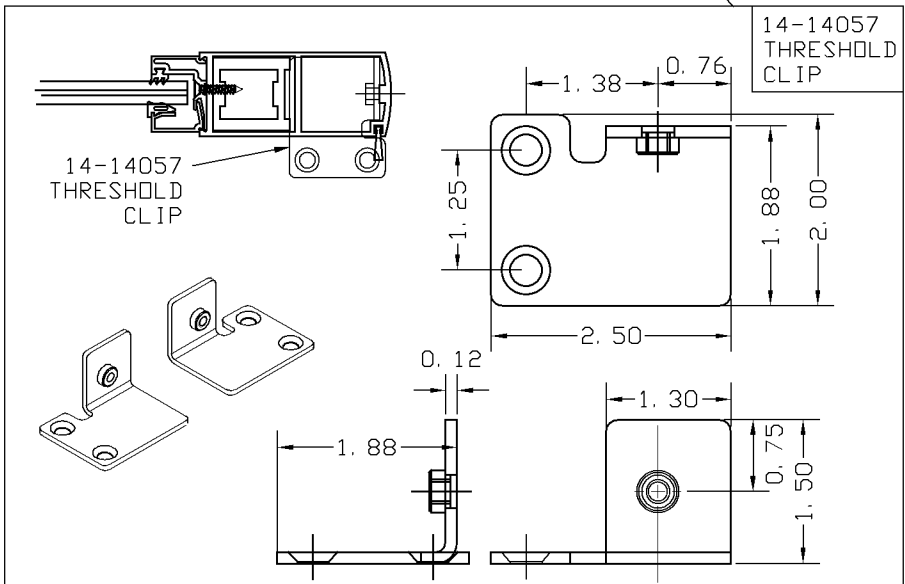
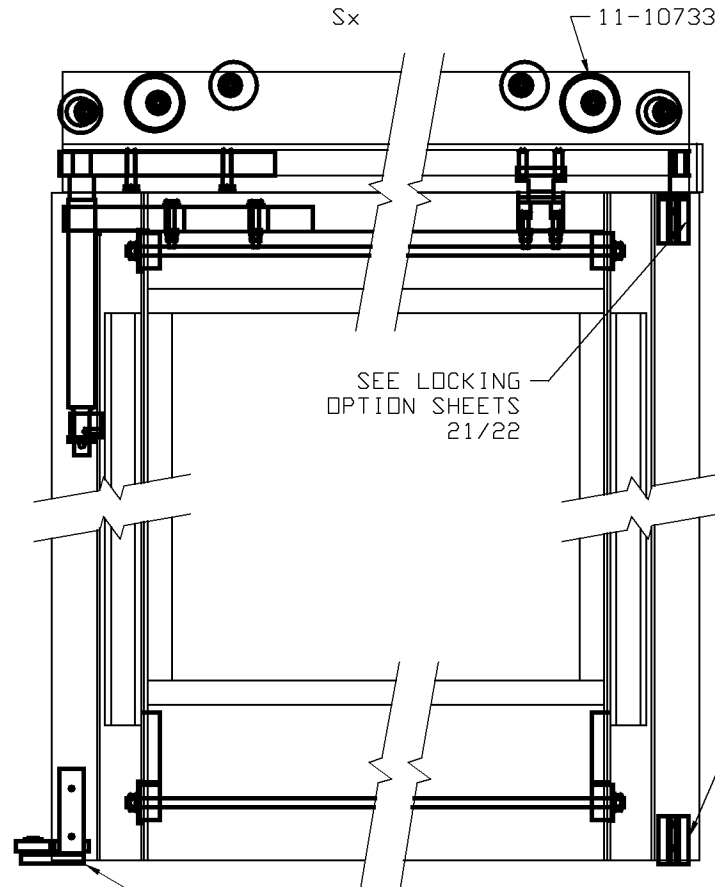
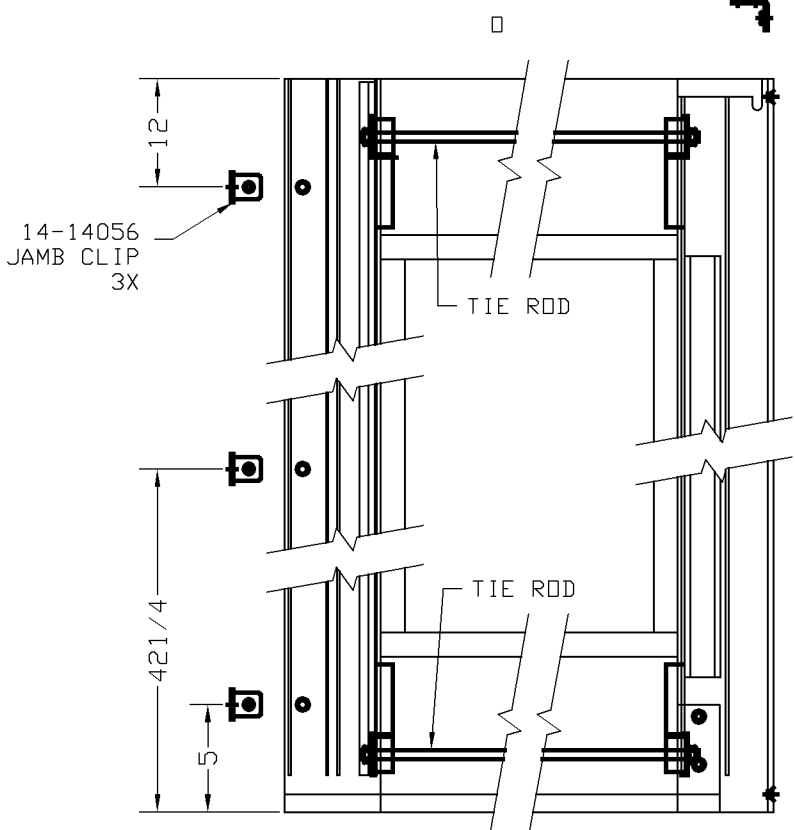
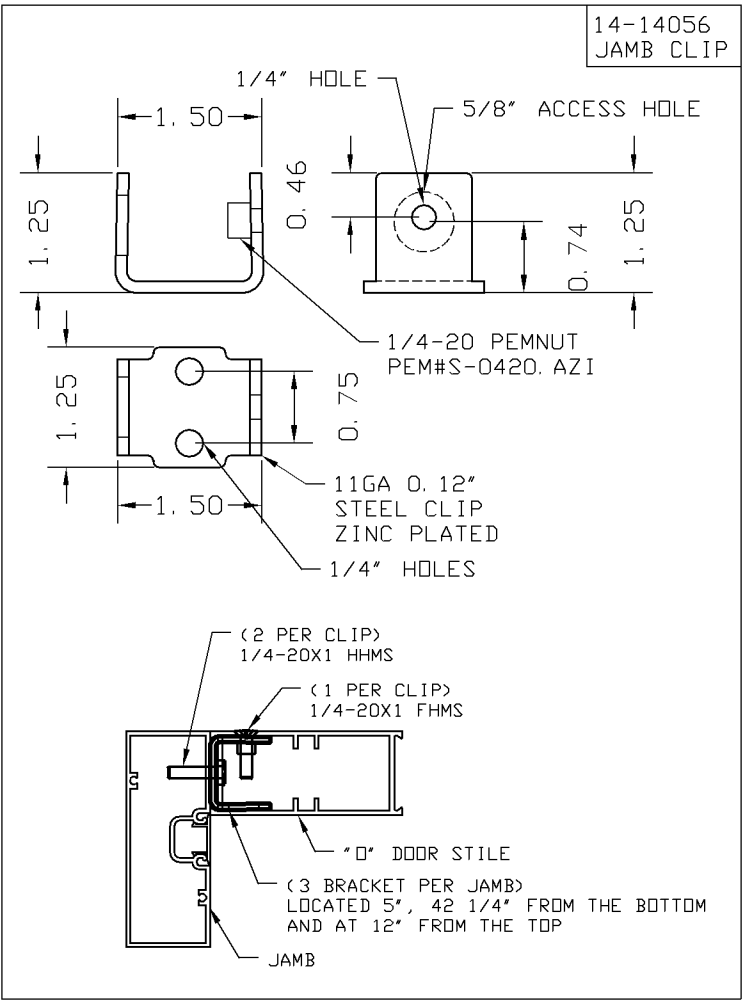
PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED



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

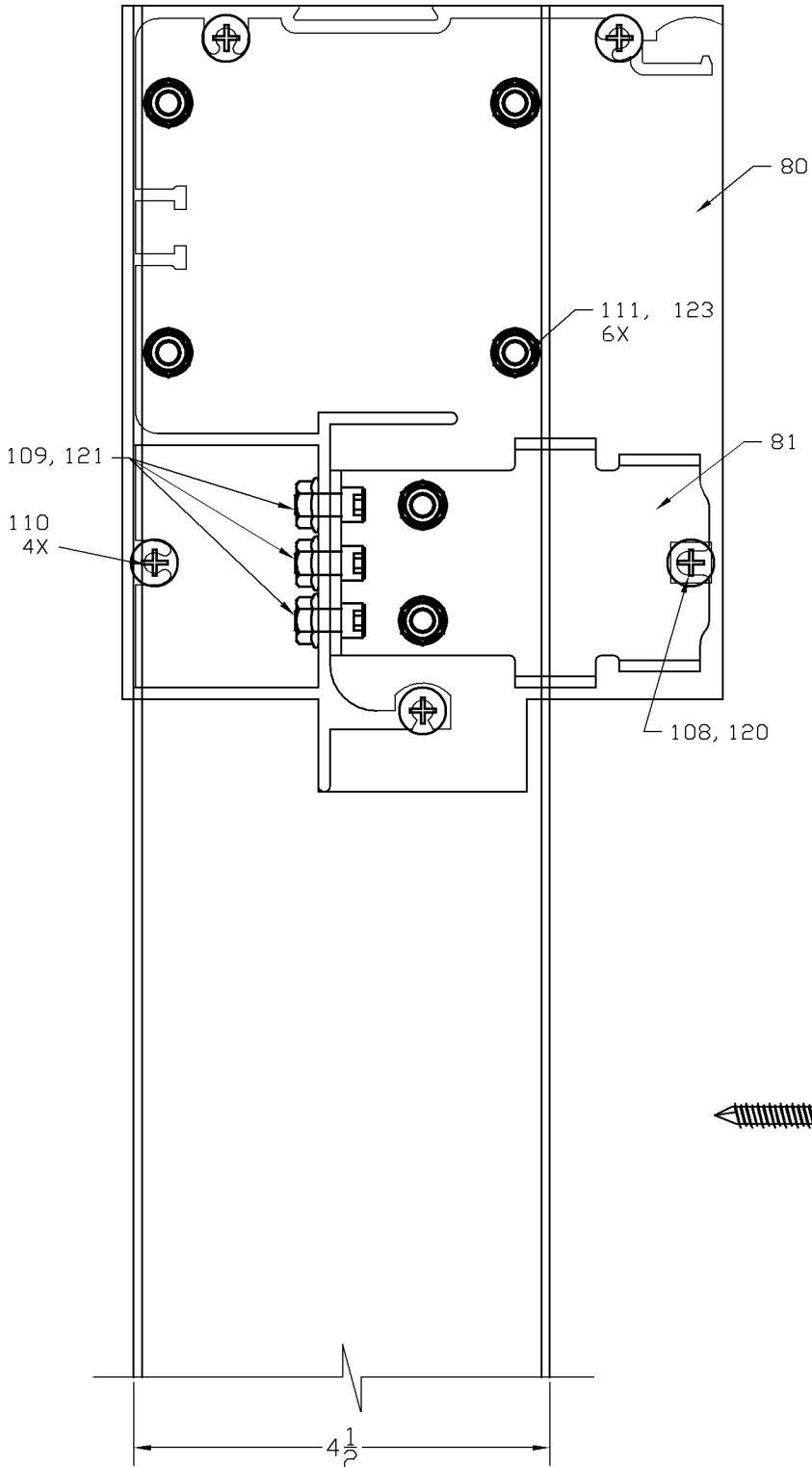
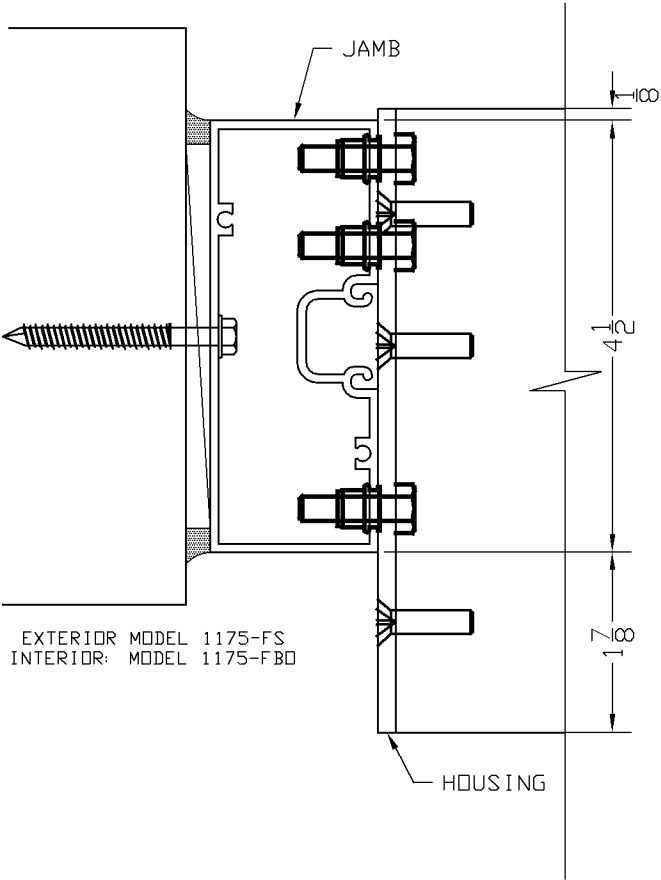
SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
19 OF 24

FIXED PANEL ATTACHMENT TO JAMB  
APPLICABLE FOR 1175- FS ONLY

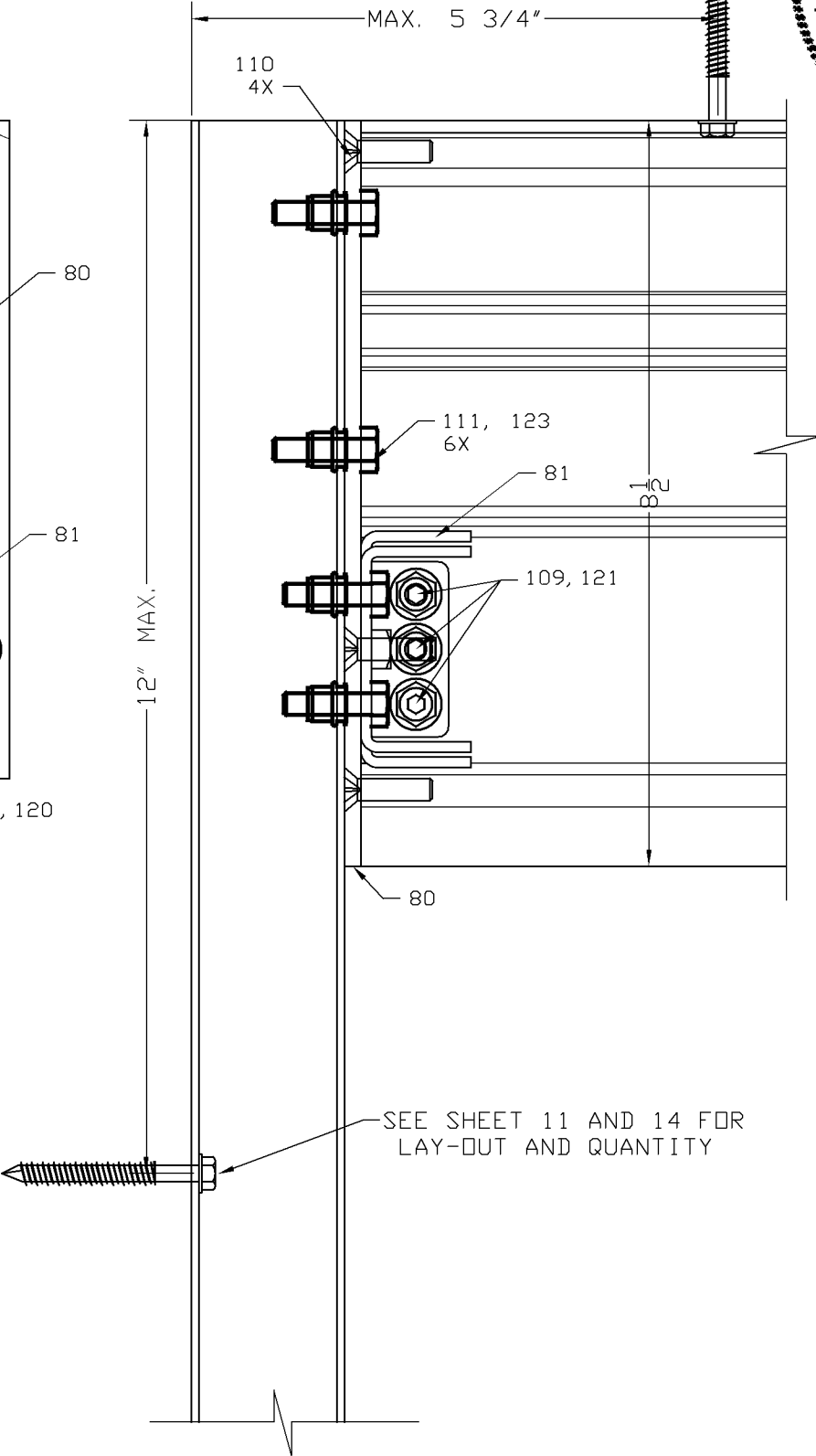


HOUSING HEADER AND JAMB CONNECTION

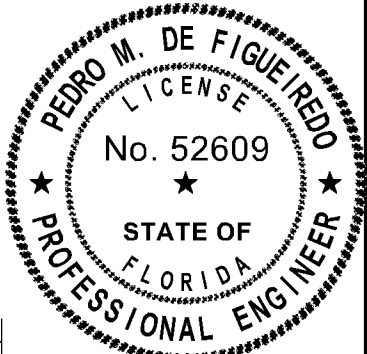
SEE SHEET 11 & 14 FOR JAMB  
ANCHORING DETAILS



SEE SHEET 12/13/14 FOR  
LAY-OUT AND QUANTITY



SEE SHEET 11 AND 14 FOR  
LAY-OUT AND QUANTITY



Pedro De Figueiredo  
PE 52609  
10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

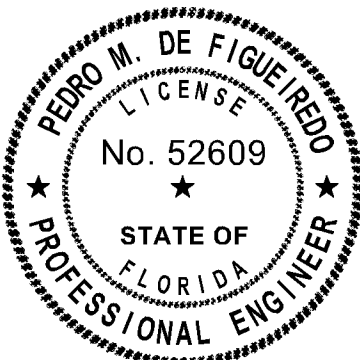
PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

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

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
20 OF 24



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



Pedro De Figueiredo  
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10/01/2023

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PLANTATION, FL 33324  
PPMF@AOL.COM  
ENGINEER SEAL  
PEDRO DE FIGUEIREDO  
PE 52609



PRODUCT:  
**SYSTEM GT1175**  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED

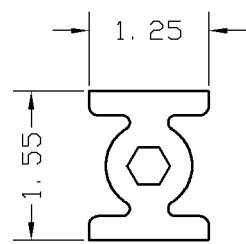
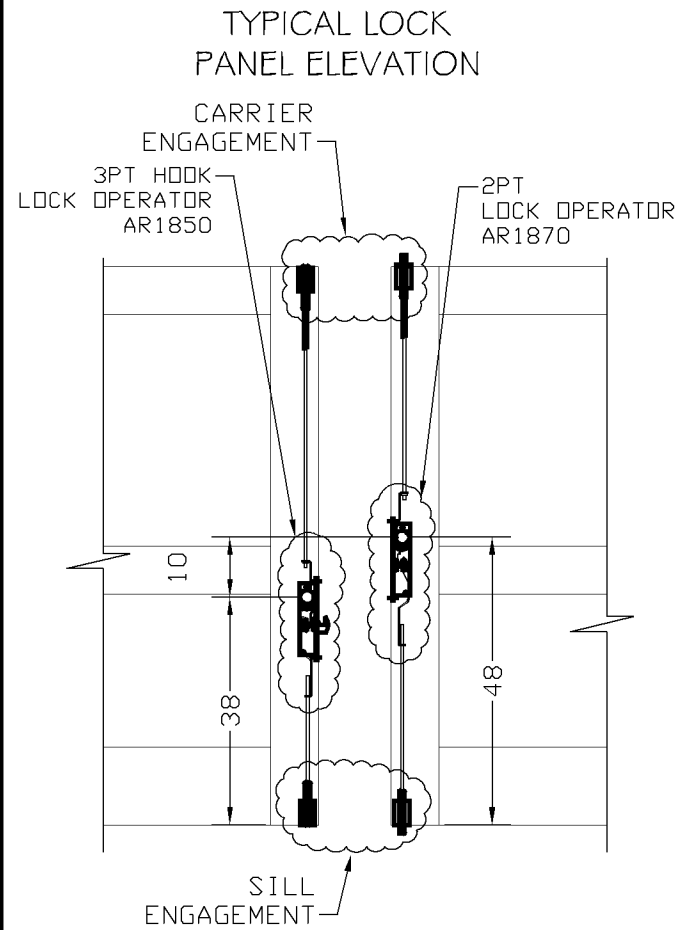


MANUFACTURER:  
**NABCO ENTRANCES**  
S82 W18717 GEMINI DRIVE  
MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

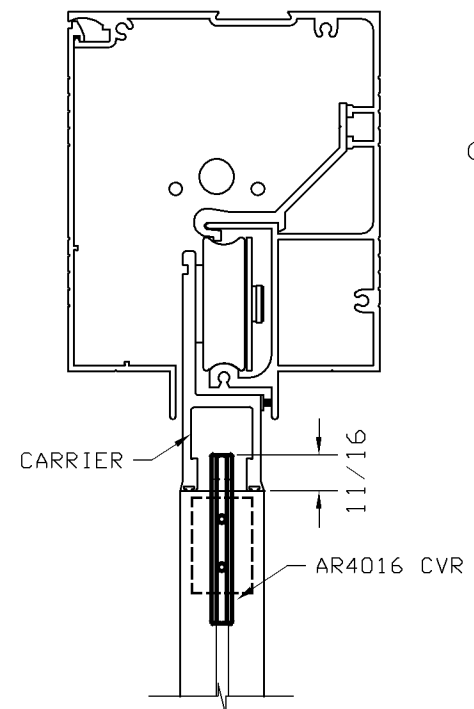
SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
21 OF 24

# HARDWARE LOCK OPTION I

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)

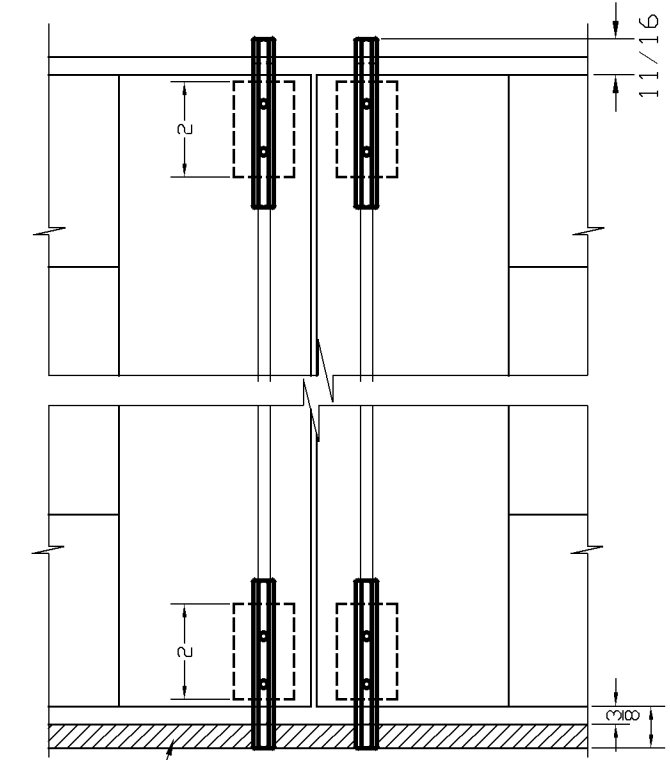
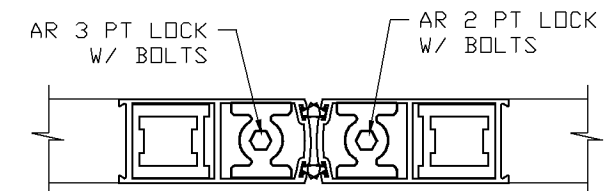


14-13855  
LOCKROD GUIDE  
ALLOY: 6063-T5

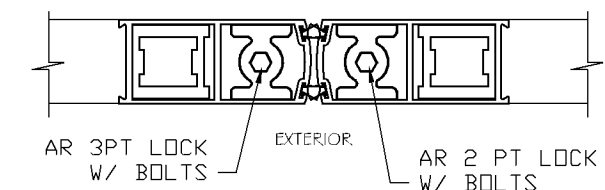


AR 4015 CVR  
SILL ENGAGEMENT

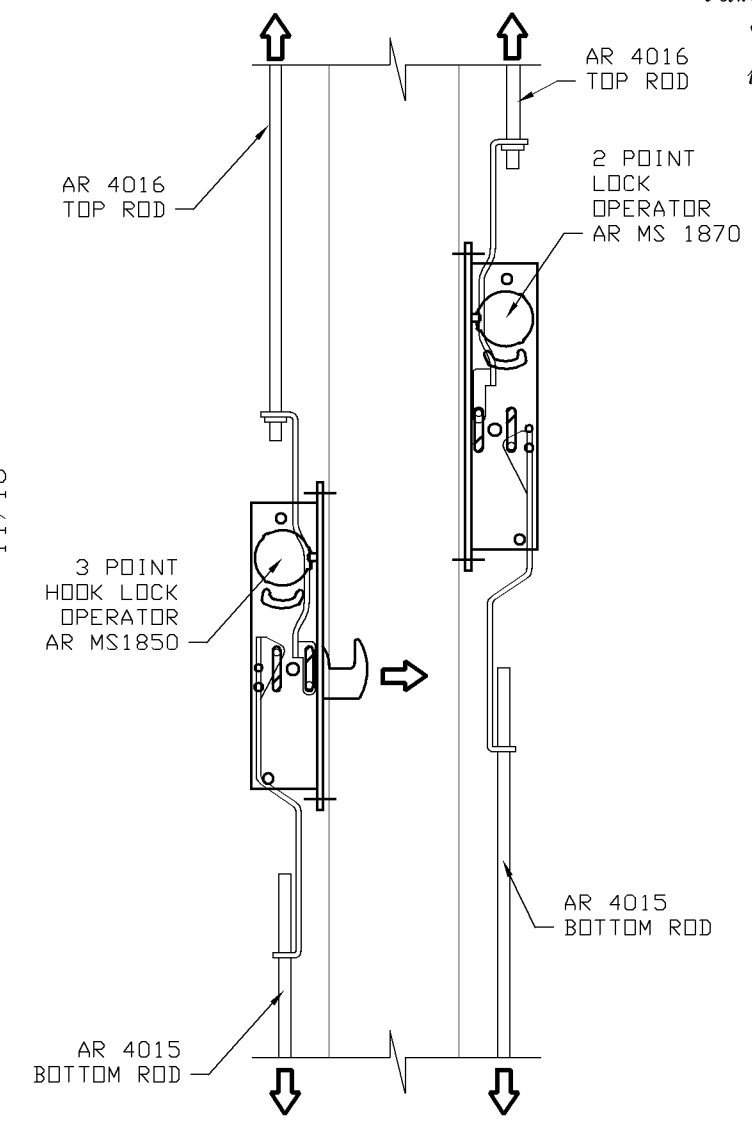
AR 4016 CVR  
CARRIER ENGAGEMENT



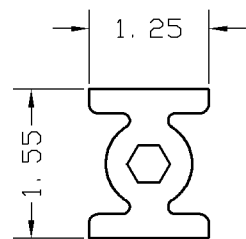
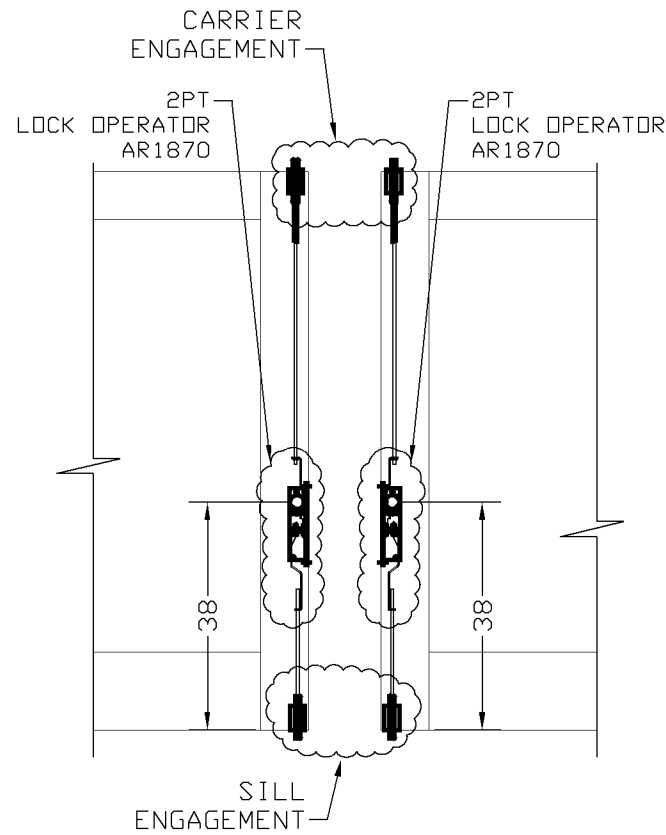
THRESHOLD



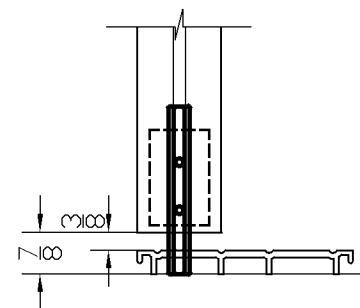
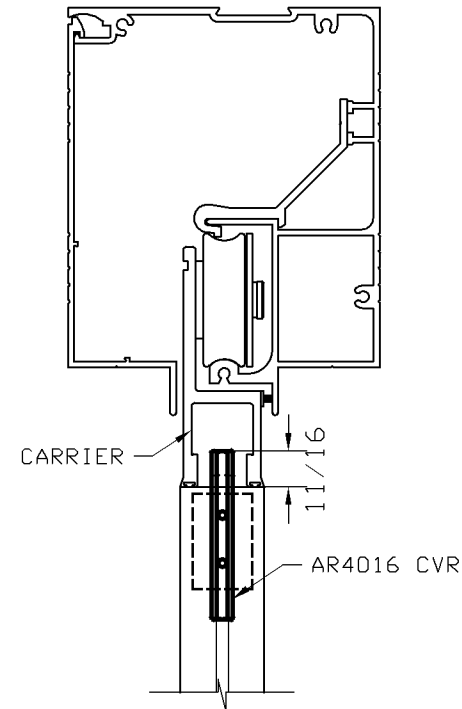
## LOCK OPERATOR



# TYPICAL LOCK PANEL ELEVATION

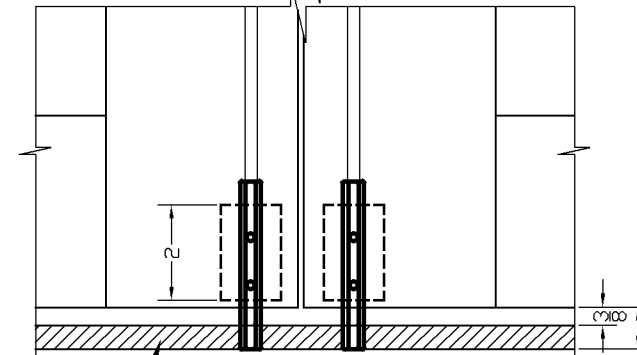
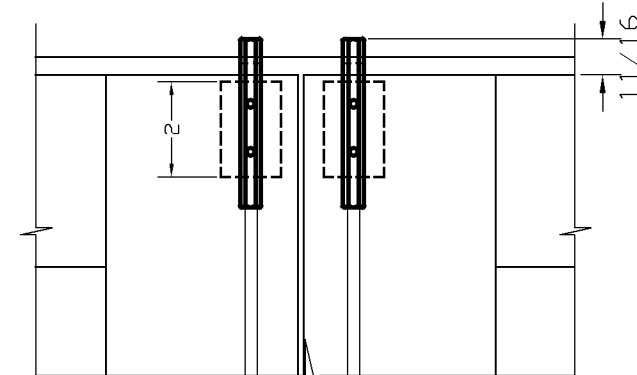
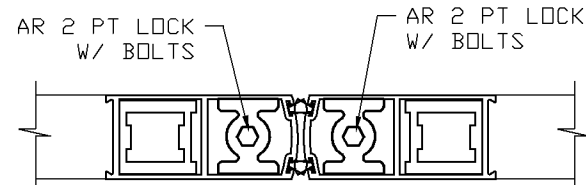


14-13855  
LOCKROD GUIDE  
ALLOY: 6063-T5

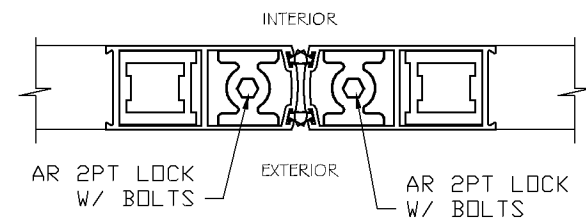


## HARDWARE LOCK OPTION 2 (2X) 2 PT AR MS 1870 LOCK WITH TOP AND BOTTOM AR 4015/ 4016 RODS (CVR) INTERIOR THUMBTURN OR AR 4550 HANDLE 2 EXTERNAL KEY CYLINDERS 2 INDICATORS (BELOW THUMBTURN)

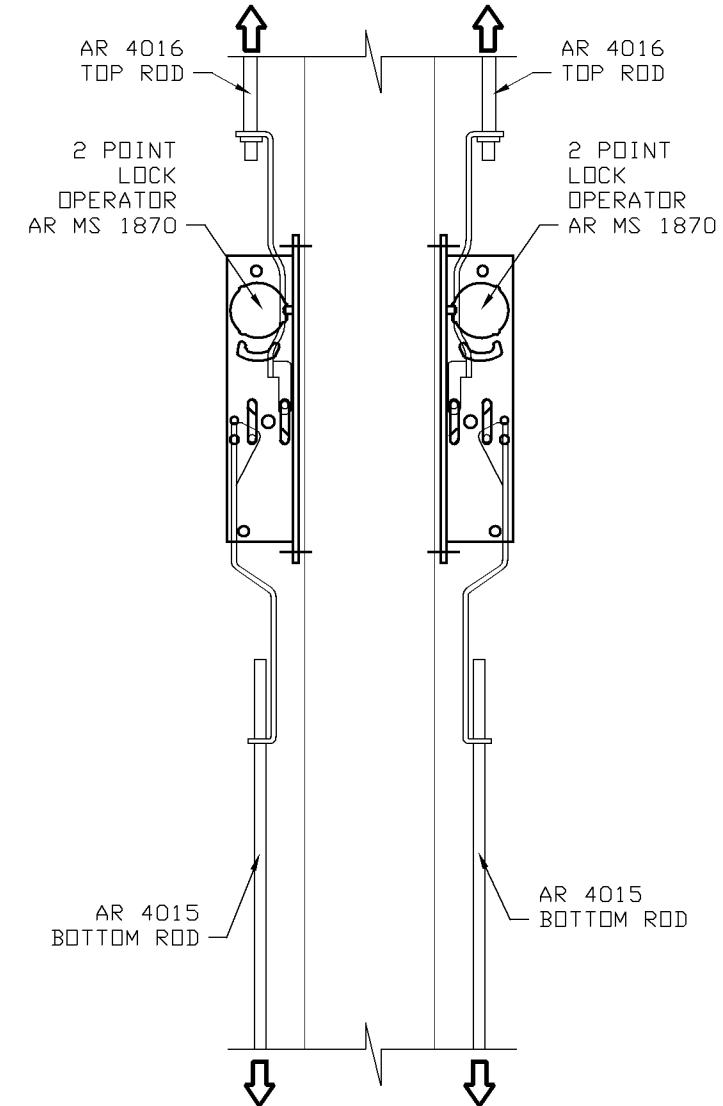
AR 4016 CVR  
CARRIER ENGAGEMENT



THRESHOLD

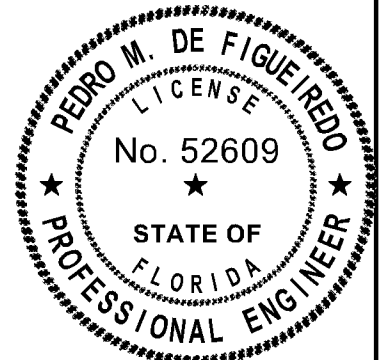


## LOCK OPERATOR



Pedro De Figueiredo  
PE 52609  
10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.



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



PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D. E AND A IMPACT RATED



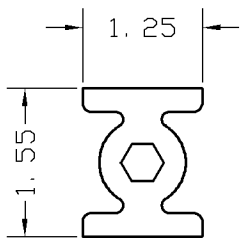
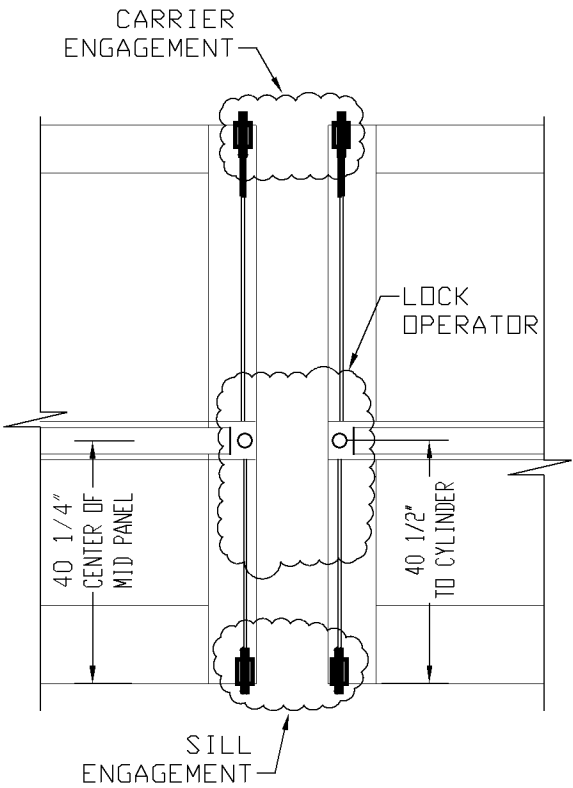
MANUFACTURER:  
NABCO ENTRANCES  
S82 W18717 GEMINI DRIVE  
MUSKEGO, WISCONSIN 53150  
PHONE: (877) 622-2694 FAX: (262) 679-2505

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
22 OF 24

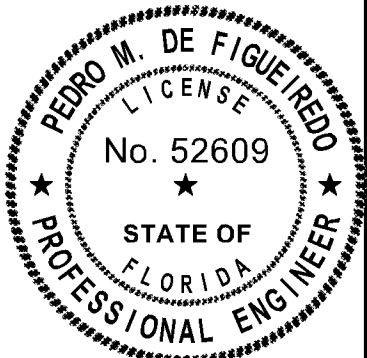
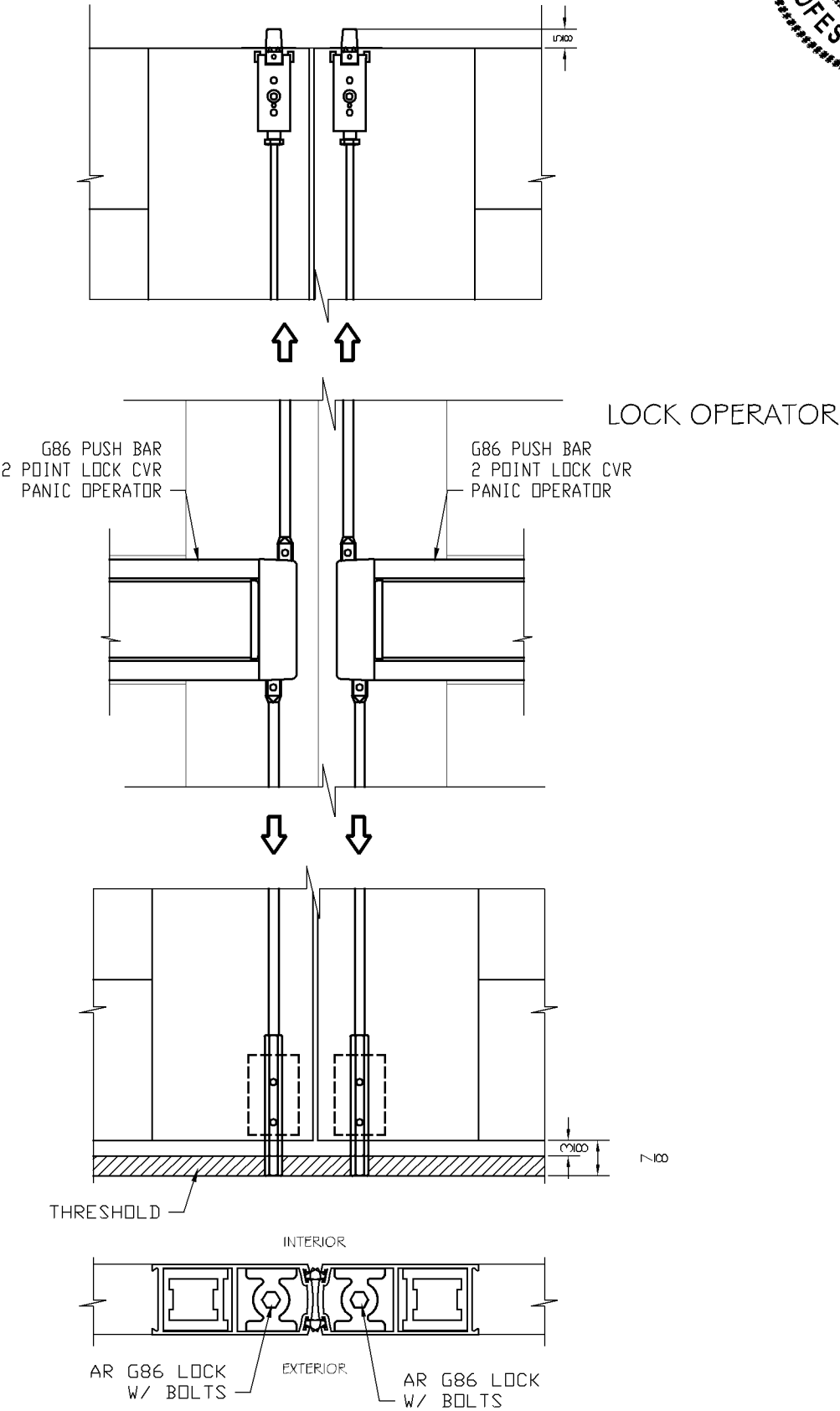
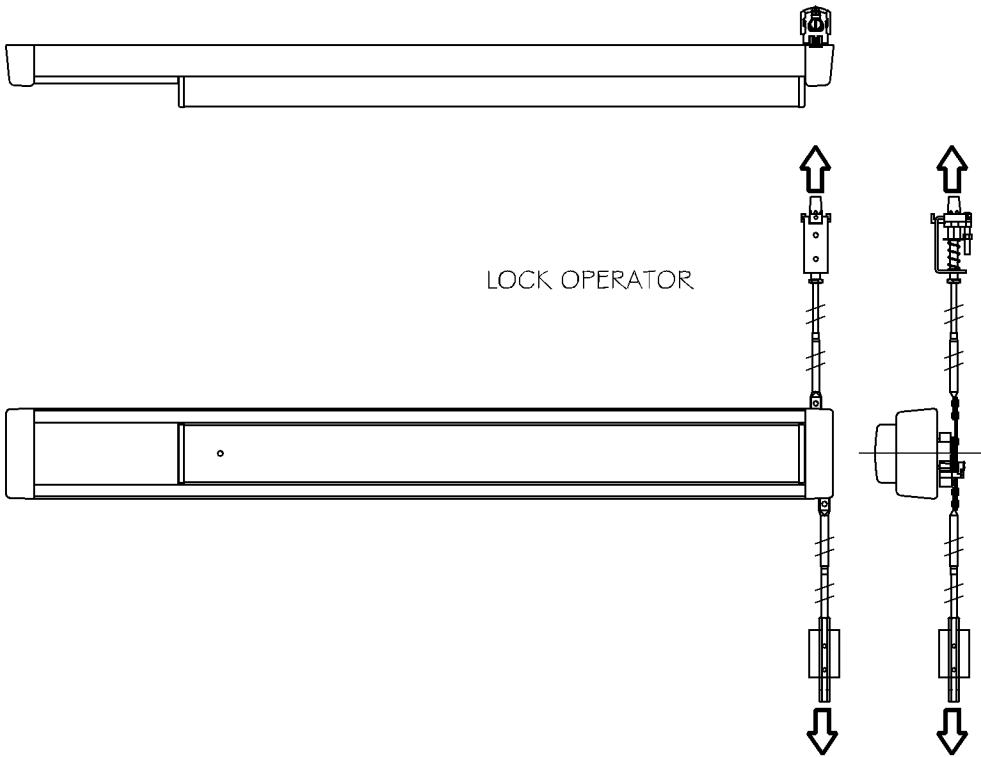
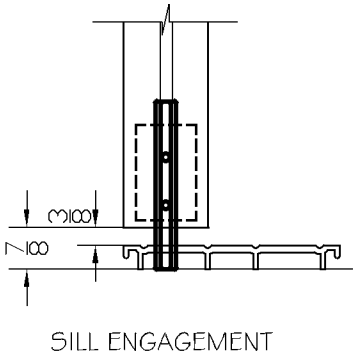
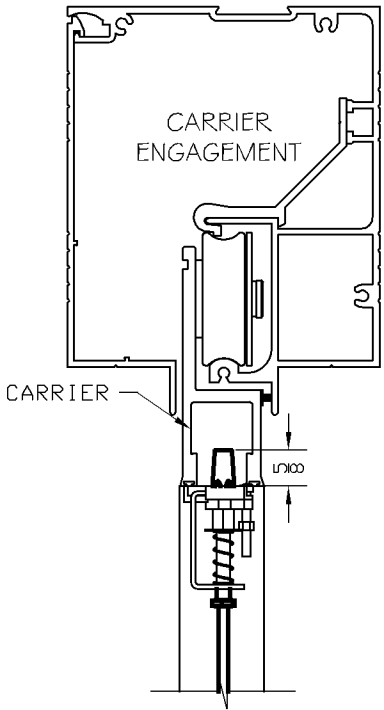
HARDWARE LOCK OPTION 3

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

TYPICAL LOCK  
PANEL ELEVATION



14-13855  
LOWER LOCKROD GUIDE  
ALLOY: 6063-T5



Pedro De Figueiredo  
PE 52609  
10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.



PRODUCT:  
SYSTEM GT1175  
AUTOMATIC SLIDING GLASS DOOR  
NON-IMPACT  
LARGE & SMALL MISSILE  
LEVELS D, E AND A IMPACT RATED



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

SCALE:  
NA  
DATE:  
10/01/2023  
DRAWING #  
23-186  
SHEET  
23 OF 24

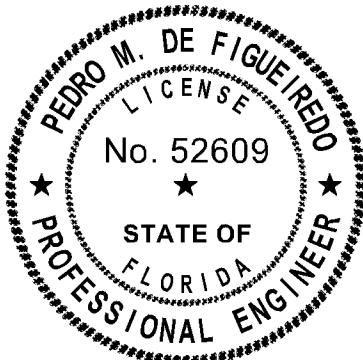
BILL OF MATERIAL (BOM)

| ITEM | NEW PART# | OLD PART#   | DESCRIPTION                                             |
|------|-----------|-------------|---------------------------------------------------------|
| 1    | M-X0292   | 24-13163    | EXTRUSION, HEADER, 1 PIECE                              |
| 2    | M-X0285   | 24-9011     | EXTRUSION, COVER, HEADER                                |
| 3    | M-60511   | 14-13290    | EXTRUSION, SUPPORT, ANTI-RISE                           |
| 4    | M-X0287   | 24-9870     | EXTRUSION, JAMB, POCKETED, 1.75 X 4.50                  |
| 5    | M-X0296   | 14-9875     | EXTRUSION, FILLER, POCKETED JAMB                        |
| 6    | M-60858   | 14-13294    | EXTRUSION, THRESHOLD, FIXED SIDELITE                    |
| 7    | M-60258   | 14-9016     | EXTRUSION, THRESHOLD, FULL OPEN                         |
| 8    | M-60260   | 14-9017     | EXTRUSION, THRESHOLD, RAMP                              |
| 9    | M-X0304   | 14-13288    | EXTRUSION, STILE, 4", SINGLE WEATHERING                 |
| 10   | M-X0306   | 14-13289    | EXTRUSION, STILE, 4", DOUBLE WEATHERING                 |
| 11   | M-00861   | 14-13950    | EXTRUSION, STIFFENER, STILE                             |
| 12   | M-X0270   | 14-9359     | EXTRUSION, RAIL, 4", TOP                                |
| 13   | M-X0314   | 24-0328     | EXTRUSION, MUNTIN, 4"                                   |
| 14   | M-X0267   | 14-9088     | EXTRUSION, RAIL, 6.5"                                   |
| 15   | M-X0278   | 14-5636     | EXTRUSION, BRUSH HOLDER                                 |
| 16   | M-00863   | 24-2967     | EXTRUSION, RAIL CLIP                                    |
| 17   | M-00805   | 14-13855    | EXTRUSION, LOCKROD                                      |
| 18   | M-X0256   | 14-9014     | EXTRUSION, HANGER                                       |
| 19   | M-X0288   | 14-9015     | EXTRUSION, INTERFACE LEG                                |
| 20   | M-80827   | 14-13295    | EXTRUSION, ENDCAP                                       |
| 21   | M-X0332   | 24-13291    | EXTRUSION, GLASS STOP, BASE, HURRICANE                  |
| 22   | M-X0334   | 24-13292    | EXTRUSION, GLASS STOP, TOP, IMPACT GLASS, HURRICANE     |
| 23   | M-X0336   | 24-13293    | EXTRUSION, GLASS STOP, TOP, NON-IMPACT GLASS, HURRICANE |
| 24   | M-X2128   |             | EXTRUSION, GLASS STOP, BASE, H105, LEVEL E              |
| 25   | M-X2127   |             | EXTRUSION, GLASS STOP, TOP, H105, LEVEL E               |
| 26   | M-01485   |             | BAR,RECT.,ALUM.,5/16 X 1-1/2,6061-T6                    |
| 27   |           |             |                                                         |
| 28   |           |             |                                                         |
| 29   |           |             |                                                         |
| 30   | M-00690   | 14-2279-04  | PILE, FELT, .25" TALL, .187 WIDE                        |
| 31   | M-00688   | 14-2279-05  | PILE, FELT, .25" TALL, .270 WIDE W/ ADHESIVE            |
| 32   | M-00340   | 14-8326-05  | PILE, FELT, .37" TALL, .270 WIDE                        |
| 33   | M-00691   | 14-2279-09  | PILE, FELT, .45" TALL, .270 WIDE                        |
| 34   | M-00695   | 14-4899-60  | BRUSH, NYLON, .73" TALL                                 |
| 35   | M-01526   | 14-4899-100 | BRUSH, NYLON, 1.00" TALL                                |
| 36   | M-71239   | 14-3933-02  | GASKET, VINYL, 1.00" TALL                               |
| 37   | M-00281   | 14-8161     | TAPE, FOAM, .25 X .50                                   |
| 38   | M-00311   | 14-14191    | GASKET, WEDGE, .187 FACE CLEARANCE                      |
| 39   | M-00308   | 14-13307    | GASKET, GLAZING, .150 FACE CLEARANCE                    |
| 40   |           |             | ADHESIVE, SILICONE, DOW #995                            |
| 41   | M-02129   |             | GASKET, WEDGE, .250 FACE CLEARANCE                      |
| 42   | M-00284   |             | GASKET, GLAZING, .150 FACE CLEARANCE                    |
| 43   |           |             |                                                         |
| 44   |           |             |                                                         |
| 45   |           |             |                                                         |
| 46   | M-00422   | 14-9225     | PLATE, BACKING, TIE ROD                                 |
| 47   | M-00272   | 14-3624     | TIE ROD, 3/8"-16                                        |
| 48   | M-00870   | 14-0984     | CLIP, RAIL, TIE ROD                                     |
| 49   | M-00880   | 14-14192    | CLIP, RAIL, 2.9" LONG                                   |
| 50   | A-00323   | 24-12002-50 | ASM, CARRIER BAR, MEDIUM STILE HURRICANE                |
| 51   | A-00319   | 21-14040    | ASM, RETAINER, CARRIER, ECCENTRIC                       |
| 52   | A-00162   | 11-10733    | ASM, ROLLER, HANGER, 1175                               |
| 53   | A-00305   | 21-14035    | ASM, ANTI-RISE, HURRICANE                               |
| 54   | M-00483   | 24-9483     | BLOCK, PANIC CATCH, CARRIER                             |
| 55   | M-00487   | 24-9485     | BLOCK, PANIC CATCH, TOP RAIL                            |
| 56   | A-00301   | 21-14030    | ASM, ENDCAP, CARRIER                                    |
| 57   | M-00807   | 14-14060    | BLOCK, GUIDE, LOCKROD                                   |
| 58   | M-00997   | 14-14062    | LOCKROD, 1/4"-20                                        |
| 59   | M-00998   | 14-14064    | LOCKROD, #12-24                                         |
| 60   | A-00029   | 21-9507     | ASM, TOP PIVOT, SWING PANEL                             |
| 61   | M-00744   | 14-14038    | PIVOT, BOTTOM, SWING PANEL                              |
| 62   | M-00975   | 24-14039    | PIVOT, FLOOR, SWING PANEL                               |

ITEMS # 27-29, 43-45 ARE NOT USED IN THE BOM

| ITEM | NEW PART# | OLD PART#   | DESCRIPTION                                |
|------|-----------|-------------|--------------------------------------------|
| 63   | M-00606   | 24-2458     | BUSHING, BOTTOM PIVOT, SWING PANEL         |
| 64   | M-00973   | 24-14043    | INTERLOCK, FEMALE                          |
| 65   | A-01063   | 14-14068    | BAR, NUT, FEMALE INTERLOCK                 |
| 66   | M-00983   | 14-14044    | INTERLOCK, MALE                            |
| 67   | A-01084   | 14-14033    | BAR, NUT, MALE INTERLOCK                   |
| 68   | A-00335   | 21-14045    | ASM, BOTTOM GUIDE, FULL OPEN               |
| 69   |           |             |                                            |
| 70   | M-00365   | 14-14055    | BRACKET, HEADER, FIXED SIDELITE            |
| 71   | M-00972   | 14-14056    | BRACKET, JAMB TUBE, FIXED SIDELITE         |
| 72   | M-00993   | 14-14057    | BRACKET, THRESHOLD, FIXED SIDELITE         |
| 73   | M-00969   | 14-14053    | PLATE, COVER, FIXED SIDELITE               |
| 74   | A-01086   | 14-14054    | PLATE, NUT                                 |
| 75   | A-00345   | 21-14050    | ASM, DOUBLE WHEEL ROLLER, HURRICANE        |
| 76   |           |             |                                            |
| 77   |           |             |                                            |
| 78   |           |             |                                            |
| 79   |           |             |                                            |
| 80   | M-X0582   | 24-13282    | ENDCAP, ONE PIECE HEADER                   |
| 81   | M-00411   | 24-9022     | BRACKET, HEADER, 1175                      |
| 82   |           |             |                                            |
| 83   |           |             |                                            |
| 84   |           |             |                                            |
| 85   |           |             |                                            |
| 86   |           |             |                                            |
| 87   |           |             |                                            |
| 88   |           |             |                                            |
| 89   |           |             |                                            |
| 90   | V-00005   | 24-0564     | LOCK, 3PT, ADAMS RITE MS1850S              |
| 91   | V-00012   | 14-2046     | LOCK, 2 PT, ADAMS RITE 1870                |
| 92   | V-X0069   | 24-14072    | LOCK, PANIC, ADAMS RITE #686-11-36         |
| 93   | V-X0116   | 22-0090     | CYLINDER, THUMBTURN                        |
| 94   | V-X0123   | 22-4495     | CYLINDER, KEY                              |
| 95   | V-X0017   | 12-1400     | INDICATOR, EXIT, ADAMS RITE #4089          |
| 96   | V-X0071   | 14-14073    | KIT, ESCUTCHEON, ADAMS RITE #8651-X-XXX    |
| 97   | V-00303   | 22-10256    | ADAMS RITE 4016 TOP ROD CVR                |
| 98   | V-00094   | 22-4412     | ADAMS RITE 4015 BOTTOM ROD CVR             |
| 99   |           |             |                                            |
| 100  | T-00043   | 24-0011-72  | SCREW, #10-24 X .38 LONG, FHMS, UNDERCUT   |
| 101  | T-00041   | 24-0011-53  | SCREW, #10-32 X .50 LONG, FHMS             |
| 102  | T-00176   | 24-0011-131 | SCREW, #10-32 X .50 LONG, FHMS, UNDERCUT   |
| 103  | T-00027   | 24-0012-14  | SCREW, #10-32 X .50 LONG, PHMS             |
| 104  | T-00175   | 24-0010-62  | SCREW, #10-32 X .63 LONG, SHCS             |
| 105  | T-00430   | 24-0031-24  | SCREW, #10 X 1.00 LONG, FHMS               |
| 106  | T-00016   | 24-0011-70  | SCREW, 1/4"-20 X .44 LONG, FHMS, UNDERCUT  |
| 107  | T-00174   | 24-0011-144 | SCREW, 1/4"-20 X .63 LONG, FHCS            |
| 108  | T-00015   | 24-0011-13  | SCREW, 1/4"-20 X .75 LONG, FHMS            |
| 109  | T-00077   | 24-0010-09  | SCREW, 1/4"-20 X .75 LONG, SHCS            |
| 110  | T-00061   | 24-4941-02  | SCREW, 1/4"-20 X 1.00 LONG, FHMS, TRI-LOBE |
| 111  | T-00139   | 24-0014-01  | SCREW, 1/4"-20 X 1.00 LONG, HHCS           |
| 112  | T-00037   | 24-0010-16  | SCREW, 1/4"-20 X 1.25 LONG, SHCS           |
| 113  | T-00028   | 24-0014-12  | SCREW, 1/4"-20 X 1.75 LONG, HHCS           |
| 114  | T-00023   | 24-0014-30  | SCREW, 1/4" X .75 LONG, TEKS               |
| 115  |           |             |                                            |
| 116  | T-00032   | 24-0014-27  | SCREW, 3/8"-16 X .75 LONG, HHCS            |
| 117  | T-00014   | 24-0010-43  | SCREW, 3/8"-16 X 1.50 LONG, SHCS, LOW HEAD |
| 118  | T-00170   | 24-0016-20  | SETSCREW, 5/16"-18 X .75 LONG              |
| 119  | T-00091   | 24-0016-30  | SETSCREW, 5/16"-18 X 1.25 LONG             |
| 120  | T-00058   | 24-0021-27  | NUT, 1/4"-20, SQUARE                       |
| 121  | T-00056   | 24-0021-35  | NUT, 1/4"-20, WHIZLOCK                     |
| 122  | T-00025   | 24-0021-21  | NUT, 3/8"-16, WHIZLOCK                     |
| 123  | T-00048   | 14-8640-01  | RIVNUT, 1/4"-20                            |
| 124  | T-00054   | 24-0017-46  | WASHER, FLAT, 1/4"                         |

ITEMS # 69, 76-79, 82-89, 99 AND 115 ARE NOT USED IN THE BOM



Pedro De Figueiredo  
 PE 52609  
 10/01/2023

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY PEDRO DE FIGUEIREDO ON THE DATE INDICATED HERE.

PRODUCT:  
 SYSTEM GT1175  
 AUTOMATIC SLIDING GLASS DOOR  
 NON-IMPACT  
 LARGE & SMALL MISSILE  
 LEVELS D, E AND A IMPACT RATED

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

SCALE:  
 NA  
 DATE:  
 10/01/2023  
 DRAWING #  
 23-186  
 SHEET  
 24 OF 24

ENGINEERING SERVICES - CA 32459  
 9715 W. BROWARD BLVD.  
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 ENGINEER SEAL  
 PEDRO DE FIGUEIREDO  
 PE 52609