MIAMI-DADE COUNTY

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)

MIAMI–DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

CGI Windows & Doors, Inc.
3780 W 104th Street,
Hialeah Fl. 33018

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami–Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "7650" Vinyl Sliding Glass Door (Reinforced) w/wo 90°& 135° corners - L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-7650.0**, titled "Vinyl Sliding Glass Door NOA (LM)", sheets 1 through 22 of 22, dated 10/05/15, with revision **D** dated 04/04/22, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATIONS:

1. See table 1 (sheet 7), table 2 (sheet 8) and table 3 (sheet 9) for applicable SGD unit sizes, design pressures, reinforcement types, glass types, sill riser (see tables B-1, B-2 & B-3, sheets 7, 8 and 9) and anchor layout sheets requirements in 12 thru 17.
2. Rigid White PVC, Tan (Non-White) Rigid PVC and Brown coated (Painted or laminated) White Rigid PVC to be labeled per referenced NOA's requirements.
3. Egress operable doors must comply with min clear width or height per FBC requirement, as applicable.
4. Pocket walls under separate approval, to be reviewed by Building Official.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

MIAMI-DADE COUNTY APPROVED

4/25/22

MIAMI–DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
www.miamidade.gov/building

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA No. 21-0205.01** and consists of these pages 1 and 2 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

CGI Windows and Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 11-0107.04)

2. Drawing No. **MD-7650.0**, titled "Vinyl Sliding Glass Door NOA (LM)", sheets 1 through 21 of 21, dated 10/05/15, with revision **B** dated 01/27/21, prepared by manufacturer, signed and sealed by A. Lynn Miller, P.E.

Note: This revision consists of replacement of same existing installation screw with flat head.
(Submitted under NOA No. 21-0205.01)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

CGI Windows and Doors Inc. test specimens:

FTL-20-2108.1, CGI SH360 Aluminum Single Hung Window (unit 1 in proposal) **FTL-20-2108.2,** CGI CA238 Alum. Outswing Casement Window (unit 2 in proposal) **FTL-20-2108.3,** CGI SGD560 Aluminum Sliding Glass Door (unit 3 in proposal) FTL**-20-2108.4**, CGI PW410 Aluminum Fixed Window (unit 4 in proposal) and **FTL-20-2108.5**, CGI SH360 Aluminum Single Hung Window (unit 5 in proposal) all dated 08/24/20 and signed and sealed by Idalmis Ortega, P.E.

PGT Industries, Inc. test specimens:

FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0429.02)

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8717,** dated 12/07/15, revised on 02/15/16 and 02/24/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-1210.01)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8546**, dated 11/06/15 and revised on 01/04/16 and 02/11/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-1210.01)

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8547**, dated 12/04/15 and revised on 02/15/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-1210.01)

5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8548**, dated 12/04/15, revised on 01/04/16 and 02/11/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-1210.01)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

6. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8549**, dated 11/06/15 and revised on 12/04/15 and 02/11/16, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-1210.01)

7. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8652**, dated 12/04/15 and revised on 02/15/16, signed and sealed by Idalmis Ortega, P.E.
(Test report revised on 02/15/2016)
(Submitted under NOA No. 15-1210.01)

8. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6638** (samples A-1 thru A-22), dated 11/19/10, signed and sealed by Jorge A. Causo, P.E.
(Submitted under NOA No. 11-0107.04)

9. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a vinyl sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6337**, (samples A-1 thru A-5), dated 12/06/10, signed and sealed by Jorge A. Causo, P.E.
(Submitted under NOA No. 11-0107.04)

Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 04/22/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0429.02)

2. Glazing complies with **ASTM E1300-04, 09, 12** and **16**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear, and Color PVB Glass Interlayers**", dated 05/09/19, expiring on 07/08/24.

2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers**", dated 12/28/17, expiring on 07/04/23.

3. Notice of Acceptance No. **18-1108.10** issued to Vision Extrusions Limited for their "**Brown Coated (Painted or Laminated) White Rigid PVC Exterior Extrusions for Windows and Doors**", dated 12/27/18, expiring on 09/30/24.

4. Notice of Acceptance No. **18-1108.11** issued to Vision Extrusions Limited for their series **"VE 1000 Tan 202 and lighter shades (Non–White) Rigid Cellular PVC Exterior Extrusions for Windows and Doors**", dated 12/27/18, expiring on 12/29/21.

5. Notice of Acceptance No. **18-0122.02** issued to ENERGI Fenestration Solutions, USA, Inc. for their series **"White Rigid PVC Exterior Extrusions for Windows and Doors**", dated 03/08/18, expiring on 02/28/23

6. Notice of Acceptance No. **20-0203.03** issued to ENERGI Fenestration Solutions, USA, Inc. for their series **"Bronze & Light Shades Cap Coated White Rigid PVC Exterior Extrusions for Windows and Doors**", dated 02/27/20, expiring on 04/16/25

7. Notice of Acceptance No. **18-1217.14** issued to ENERGI Fenestration Solutions, USA, Inc. for their series **"Tan 3040 & Light Shades (Non-White) Rigid PVC Exterior Extrusions for Windows and Doors**", dated 01/17/19, expiring on 02/04/21

8. Quanex Part **Super Spacer Standard** complying with ASTM C518 Thermal Conductivity 0.881 BTU-in/ hr.-ft²-°F, ASTM F 1249 WVTR-Pass, ASTM D3985 Oxygen–Pass, ASTM E 2190 I.G. Durability-No Fog-Pass.

9. Quanex Part **Duraseal** complying with ASTM C518 Thermal Conductivity 2.22 BTU-in/ hr.-ft²-°F, ASTM F 1249 WVTR-Pass, ASTM D 1434 Argon Permeance-Pass, ASTM E 2189 I.G. Durability-No Fog, ASTM E 546 Dew Point Development -20°F in 48 hrs.

Manuel Pérez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)**, dated 02/01/21, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 21-0205.01)

2. Private Labeling Agreement dated 03/08/21 between PGT Industries, Inc. and CGI Windows and Doors Inc., signed by Dean M. Ruark, P.E., V.P. Engineering, on behalf of both companies.
(Submitted under NOA No. 21-0205.01)

3. Statement letter of no financial interest, dated 04/18/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0429.02)

4. Private Labeling Agreement document between PGT Industries, Inc. dated 03/30/15 and signed by all involved parties.
(Submitted under NOA No. 20-0429.02)

5. Proposal No. **19-1155** dated 01/10/20, issued by the Product Control Section, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 20-0429.02)

6. Laboratory compliance letter for part of above Test Reports.
(Submitted under NOA No. 17-0420.06)

7. Proposal No. **17-0387** dated 05/05/17, issued by the Product Control Section, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 17-0420.06)

8. Private Labeling Agreement document between PGT Industries, Inc. dated 02/15/16 and signed by all involved parties.
(Submitted under NOA No. 15-0409.06)

G. OTHERS

1. Notice of Acceptance No. **20-0429.02**, issued to CGI Windows & Doors, Inc. for their Series "7650" Vinyl Sliding Glass Door (Reinforced) w/wo 90° & 135° corners – L.M.I. approved on 10/08/20 and expiring on 04/14/21.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-7650.0**, titled "Vinyl Sliding Glass Door NOA (LM)", sheets 1 through 22 of 22 dated 10/05/15, with revision **D** dated 04/04/22, prepared by manufacturer, signed and sealed by A. Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of series "770" aluminum sliding glass door and a series "5570" vinyl sliding glass door, prepared by QAI Laboratories, Test Report No. **QAI-22-1040,** dated 04/03/22, signed and sealed by Idalmis Ortega, P.E

2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of series "770" aluminum sliding glass door, prepared by QAI Laboratories, Test Report No. **QAI-21-1218,** dated 01/27/22, signed and sealed by Idalmis Ortega, P.E

3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of series "5570" vinyl sliding glass door, prepared by QAI Laboratories, Test Report No. **QAI-21-1241,** dated 01/21/22, signed and sealed by Idalmis Ortega, P.E

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

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

Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

2. NEW EVIDENCE SUBMITTED (CONTINUED)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.

2. Notice of Acceptance No. **20-0915.21** issued to **Kuraray America, Inc.** for their "**Trosifol® Extra Stiff (ES) PVB Glass Interlayer**" dated 11/19/20, expiring on 02/08/23.

3. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers**" dated 11/19/20, expiring on 07/04/23.

4. Notice of Acceptance No. **18-1108.10** issued to Vision Extrusions Limited for their "**Brown Coated (Painted or Laminated) White Rigid PVC Exterior Extrusions for Windows and Doors**", dated 12/27/18, expiring on 09/30/24.

5. Notice of Acceptance No. **22-0214.04** issued to Vision Extrusions Group Limited for their series **"VE 1000 Tan 202 and lighter shades (Non–White) Rigid Cellular PVC Exterior Extrusions for Windows and Doors**", dated 04/14/22, expiring on 12/29/26.

6. Notice of Acceptance No. **21-1109.04** issued to Vision Extrusions Group Limited for their series **"White Rigid PVC Exterior Extrusions for Windows and Doors**", dated 03/31/22, expiring on 09/30/24

7. Notice of Acceptance No. **20-0203.03** issued to ENERGI Fenestration Solutions, USA, Inc. for their series **"Bronze & Light Shades Cap Coated White Rigid PVC Exterior Extrusions for Windows and Doors**", dated 02/27/20, expiring on 04/16/25

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated April 4, 2022, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

2. Statement letter of no financial interest, dated April 4, 2022, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **21-0205.01**, issued to CGI Windows & Doors, Inc. for their Series "7650" Vinyl Sliding Glass Door (Reinforced) w/wo 90° & 135° corners – L.M.I. approved on 03/25/21 and expiring on 04/14/26.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-0412.08
Expiration Date: April 14, 2026
Approval Date: May 05, 2022

SERIES 7650 IMPACT RESISTANT SLIDING GLASS DOOR INCLUDING POCKETS & 90°/135° CORNERS

IMPACT RATING	DESIGN PRESSURE RATING
RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE	SEE TABLES 1-3 & B1-B3 ON SHEETS 7-9

GENERAL NOTES:

1) GLAZING TYPE OPTIONS: SEE GLAZING DETAILS ON SHEET 10.
2) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS PER ASTM E1300.
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
3) ANCHORAGE: THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4) SHUTTERS ARE NOT REQUIRED PER FBC REQUIREMENTS, AS APPLICABLE.
5) INSTALLATION SCREWS & FRAME SPLICES TO BE SEALED WITH NARROW JOINT SEALANT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
6) REFERENCES (NOA'S): ELCO ULTRACON, DEWALT ULTRACON+, DEWALT/ELCO CRETEFLEX & AGGRE-GATOR ANCHOR NOA'S, ENERGI FENESTRATION SOLUTIONS USA, INC. OR VISION EXTRUSION, LTD. WHITE RIGID PVC NOA, VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC NOA AND BROWN COATED (PAINTED OR LAMINATED) WHITE RIGID PVC NOA
REFERENCES (TEST REPORTS): FTL-6337, 6338, 8646-8649, 8652, 8717, QAI 21-1218, QAI 21-1241 & QAI 22-1040; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09;
7) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FBC, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). THE RIGID WHITE, BROWN & TAN PVC MANUFACTURED BY ENERGI FENESTRATION SOLUTIONS USA, INC. OR VISION EXTRUSION, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS, (COMPONENT REQUIREMENTS).
8) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS OF THE FBC, AS APPLICABLE.
9) DRAWINGS DEPICT EXTERIOR-GLAZING, HOWEVER INTERIOR-GLAZING MAY BE SUBSTITUTED.

ANCHOR NOTES:

1) FOR CONCRETE/CMU SUBSTRATE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED ELCO ANCHORS. SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
2) FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE A ON THIS SHEET.
3) WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. PROPERLY SECURED, 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.
4) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER THE FBC AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
5) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

INSTRUCTIONS:

1) KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM DESIGN PRESSURE TABLES 1, 2 OR 3, DEPENDING ON THE GLASS/REINFORCEMENT.
2) LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH IF YOUR EXACT SIZE IS NOT LISTED, ROUND UP TO THE NEXT GREATER LISTED WIDTH AND/OR HEIGHT.
3) CHOOSE WHICH ANCHOR GROUP (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE A, THIS SHEET, ALONG WITH THE CORRESPONDING SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
4) FROM THE DESIGN PRESSURE TABLES (TABLES 1, 2 OR 3), VERIFY THAT THE OPENING'S REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
5) INSTALL AS PER THE GUIDELINES OF THIS SHEET-SET.
6) ADDITIONALLY, SEE THE EXAMPLE ON SHEET 10.

TABLE A:

Group	Anchor	Substrate	Frame Member	Min. Edge Distance	Min. Embedment
A	#12, steel SMS (G5) or 410 S.S. SMS (min. 11 threads/in)	P.T. Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	9/16"	1-3/8"
		Aluminum, 6063-T5* (0.125" min.)	Head/Sill/Jamb/P-hook	3/8"	1/8"
		Steel, A36*, (0.060" min.)	Head/Sill/Jamb/P-hook	3/8"	0.060"
		Steel Stud, A653 Gr. 33*, (0.071" min.)	Head/Sill/Jamb/P-hook	3/8"	0.071" (14 Ga.)
	1/4" Elco Ultracon	P.T. Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	1"	1-3/8"
	1/4" DeWalt Ultracon+		Jamb	1"	1-3/8"
	1/4" Elco 410 S.S. CreteFlex		Head/Sill/Jamb/P-hook	1"	1-3/8"
B	#12, steel wood screw (G5)	P.T. Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	9/16"	1-3/8"
C	1/4" Elco Ultracon	Concrete, (min. 2.85 ksi)	P-hook	1"	1-3/8"
			Head/Sill/Jamb	1-3/16"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	1"	1-1/4"
	1/4" DeWalt Ultracon+	Concrete, (min. 3 ksi)	Head/Sill/Jamb	1-1/2"	1-3/8"
			P-hook	1"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	1"	1-1/4"
	1/4" DeWalt/Elco 410 S.S. CreteFlex	Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	1-3/4"	1-1/4"
		Concrete, (min. 3.35 ksi)	Head/Sill/Jamb	1-3/16"	1-3/4"
			P-hook	1"	1-3/4"
	1/4" DeWalt/Elco 18-8 S.S. Aggre-Gator	Concrete, (min. 2.22 ksi)	Head/Sill/Jamb/P-hook	1-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2"	1-1/4"
		P.T. Southern Pine, (SG=0.55)	Head/Sill/Jamb/P-hook	1"	1-3/8"
D	1/4" Elco Ultracon	Concrete, (min. 2.85 ksi)	Head/Sill/Jamb/P-hook	2-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2-1/2"	1-1/4"
	1/4" DeWalt Ultracon+	Concrete, (min. 3 ksi)	Head/Sill/Jamb/P-hook	2-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2-1/2"	1-1/4"
	1/4" DeWalt/Elco 410 S.S. CreteFlex	Concrete, (min. 3.35 ksi)	Head/Sill/Jamb	2-1/2"	1-3/4"
			P-hook	2-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb/P-hook	2-1/2"	1-1/4"

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

ALL ANCHOR HEAD TYPES APPLICABLE.

FOR THE MINIMUM STRENGTHS OF ANCHORS AND SUBSTRATES, SEE TABLE F, SHEET 22.

CODES / STANDARDS USED:

- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2015
- AISI S100-16
- AISC 360-16

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NOA–No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami–Dade Product Control

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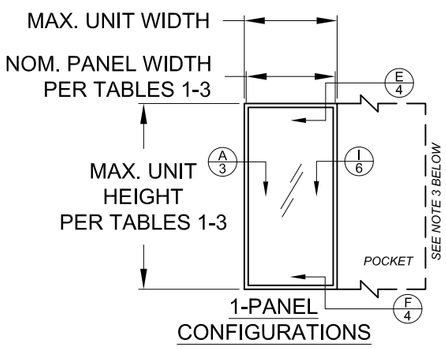
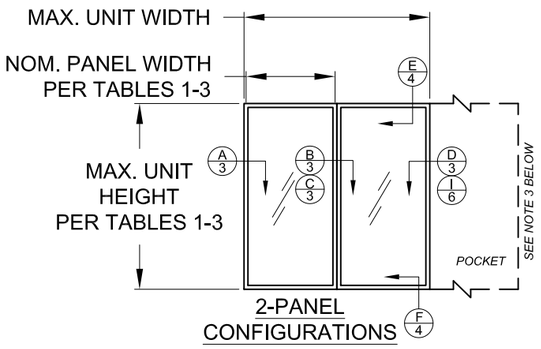
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	GENERAL NOTES				Drawn By		J ROSOWSKI
Rev	ADDED SHEET 9 & GLASS TYPES 3 & 4					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	1 OF 22	DWG No.	MD-7650.0	Rev. No.	D

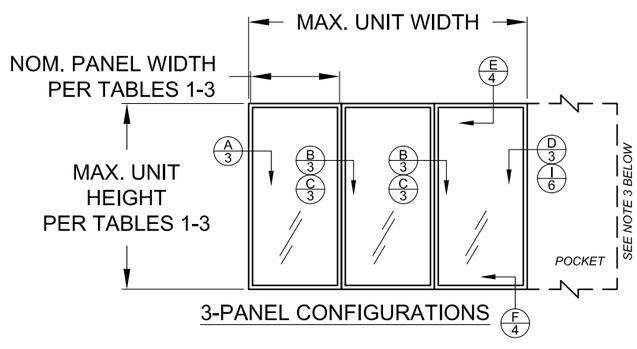
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04/04/22
A. LYNN MILLER, P.E., P.E.# 58705



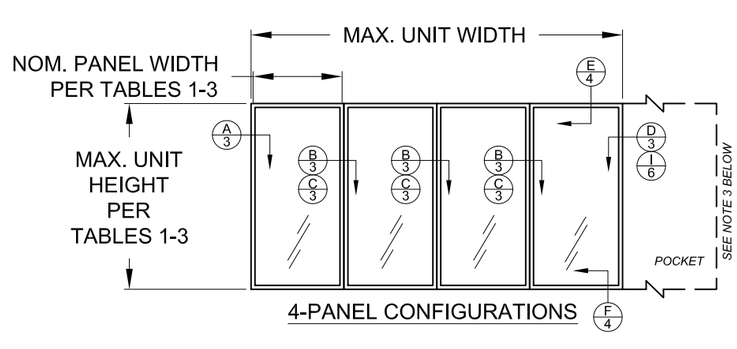
1-PANEL CONFIGURATIONS



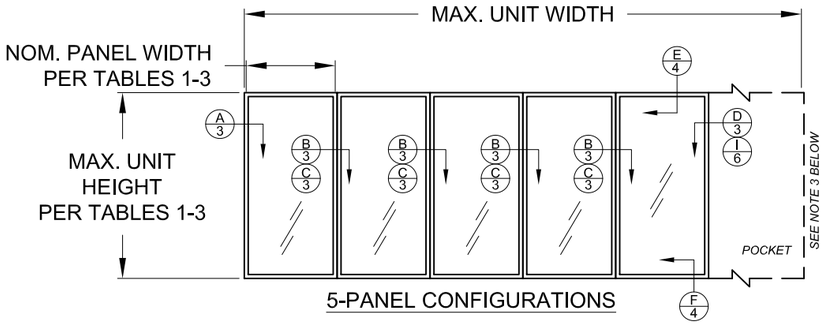
2-PANEL CONFIGURATIONS



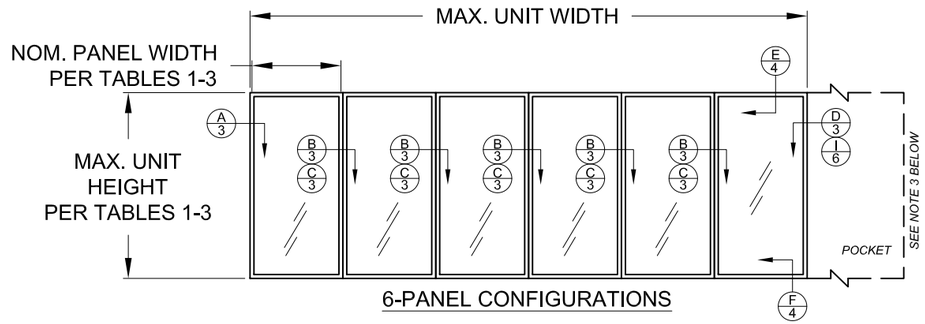
3-PANEL CONFIGURATIONS



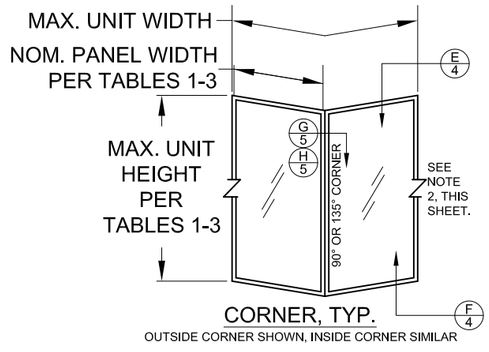
4-PANEL CONFIGURATIONS



5-PANEL CONFIGURATIONS

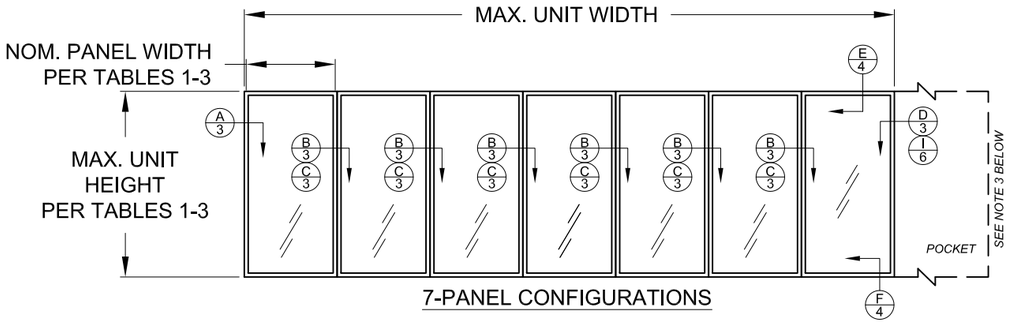


6-PANEL CONFIGURATIONS

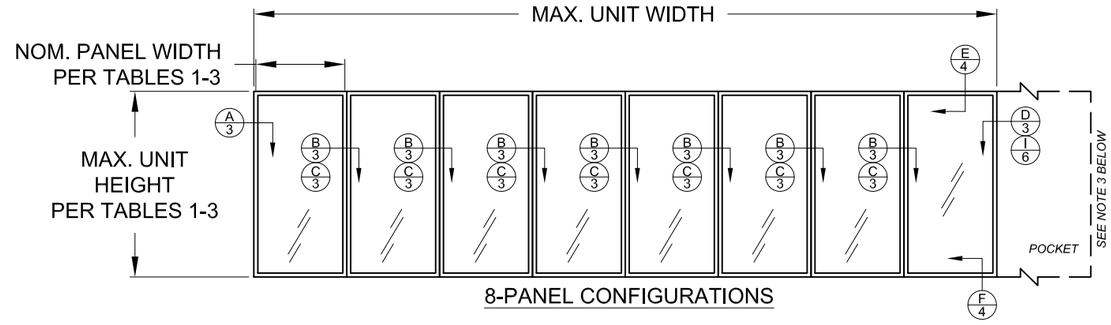


CORNER, TYP.

OUTSIDE CORNER SHOWN, INSIDE CORNER SIMILAR



7-PANEL CONFIGURATIONS



8-PANEL CONFIGURATIONS

CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS ARE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

4) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

5) MAX. ALLOWABLE FRAME SQUARE FOOTAGE = 472.656 FT²

DETAIL LETTER
X
#
SHEET NUMBER

"X" = OPERABLE PANEL
"O" = INOPERABLE PANEL
"p" = POCKET

DLO WIDTH = NOM. PANEL WIDTH - 7-3/8"
NOM. PANEL WIDTH = PANEL WIDTH + 1-3/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

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N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	EXAMPLE CONFIGURATIONS					Drawn By	J ROSOWSKI
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	2 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

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No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

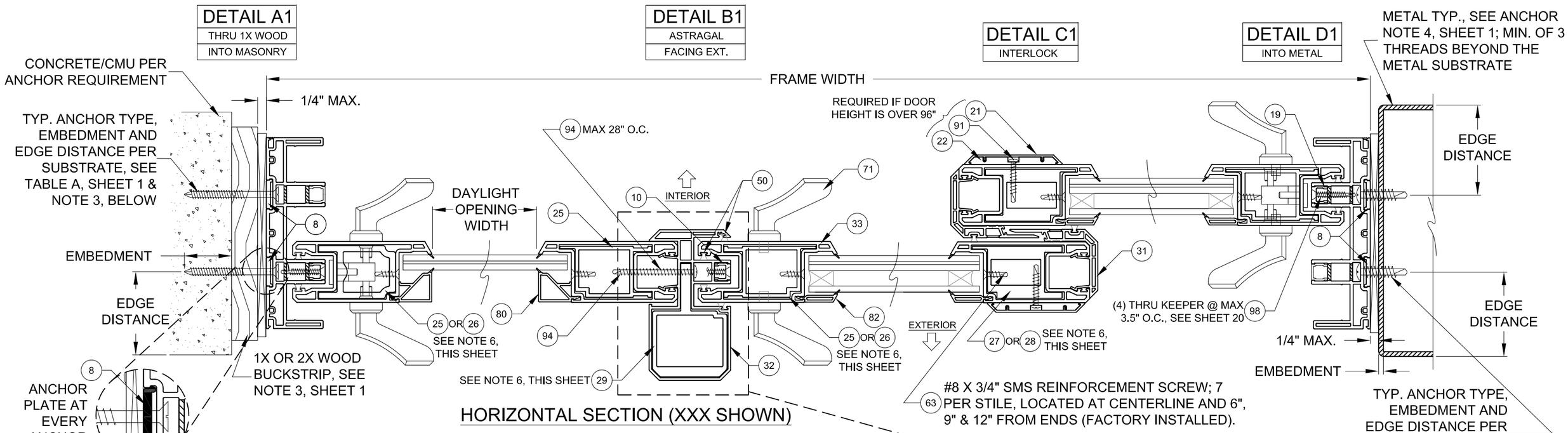
A. LYNN MILLER, P.E., P.E.# 58705

DETAIL A1
THRU 1X WOOD
INTO MASONRY

DETAIL B1
ASTRAGAL
FACING EXT.

DETAIL C1
INTERLOCK

DETAIL D1
INTO METAL



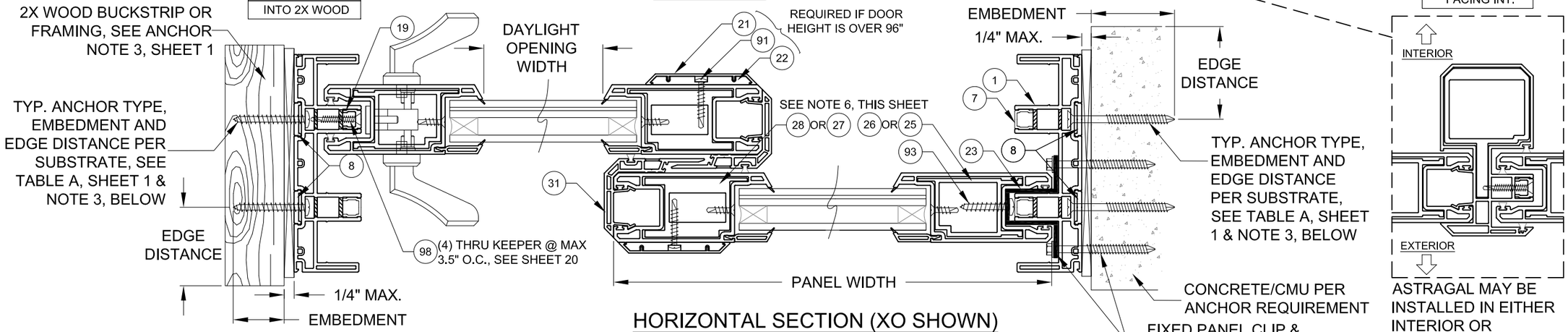
HORIZONTAL SECTION (XXX SHOWN)

DETAIL A2
INTO 2X WOOD

DETAIL C2
INTERLOCK

DETAIL D2
INTO MASONRY

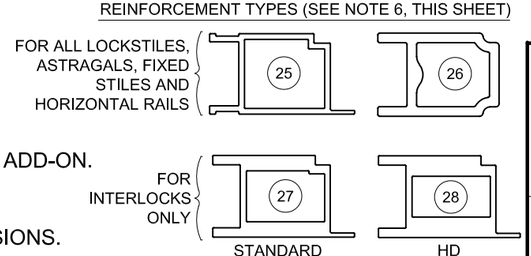
DETAIL B2
ASTRAGAL
FACING INT.



HORIZONTAL SECTION (XO SHOWN)

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 15 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1-3.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE TABLES 1-3 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
7) SEE SHEET 21 FOR SCREEN DETAILS.

REINFORCEMENT TYPES (SEE NOTE 6, THIS SHEET)



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N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	INSTALLATION, HORIZONTAL X-SECT.				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	3 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

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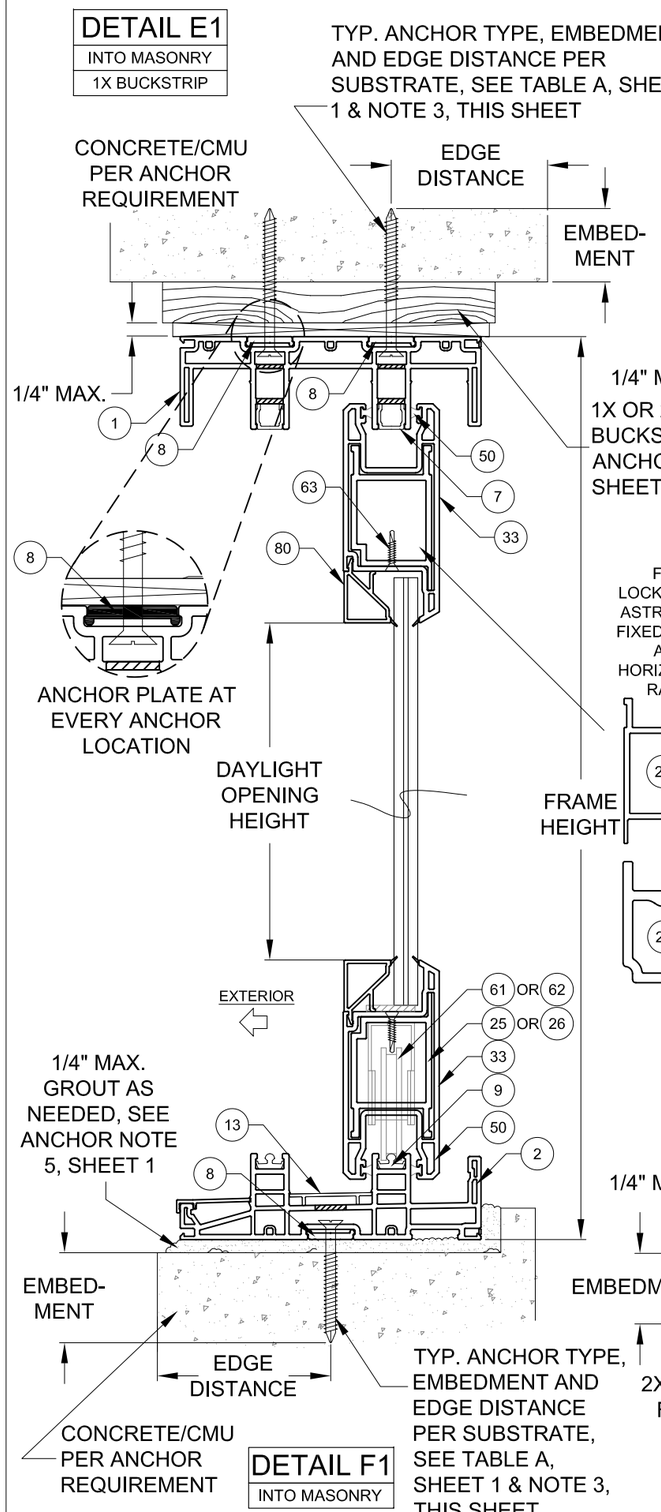
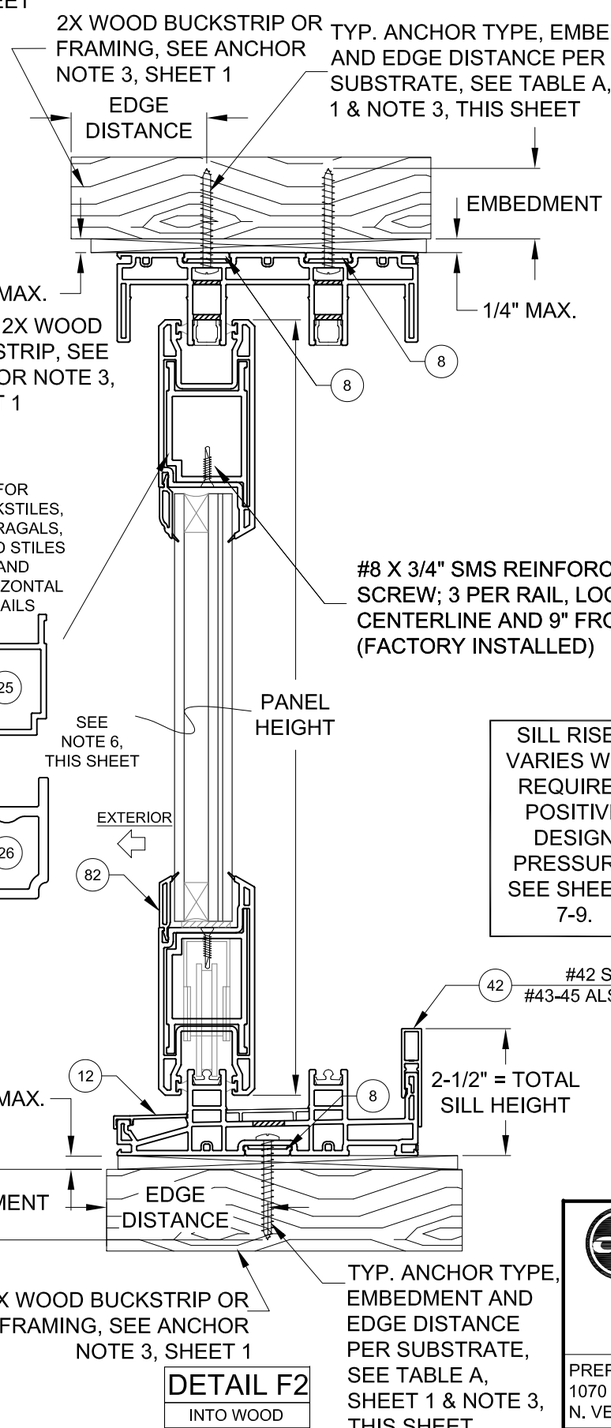
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E., P.E.# 58705

DETAIL E1
INTO MASONRY
1X BUCKSTRIP



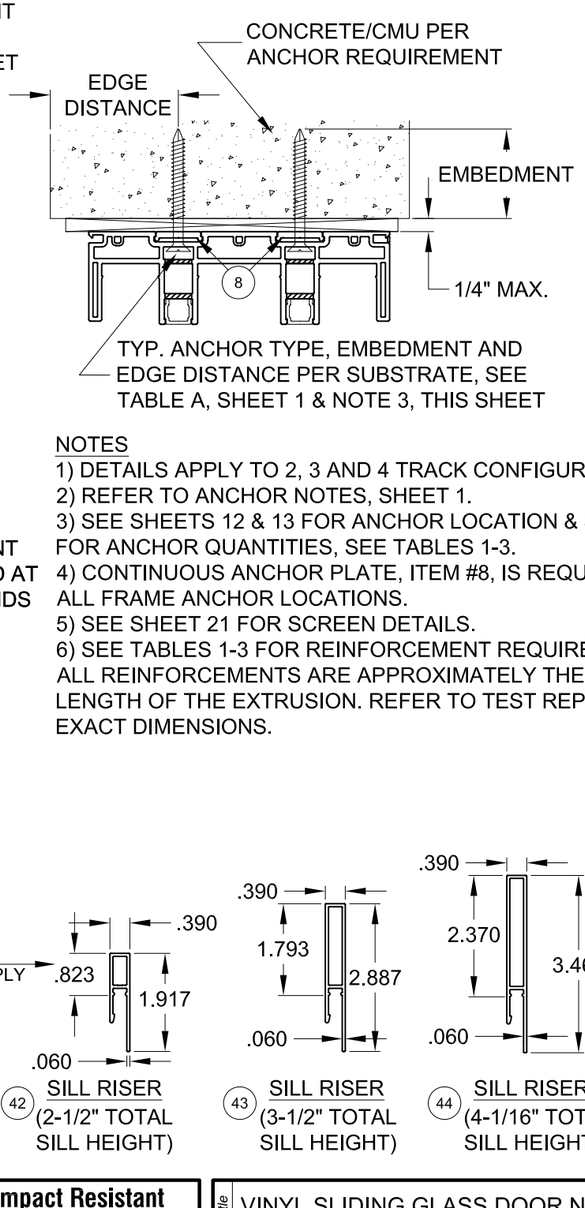
DETAIL F1
INTO MASONRY

DETAIL E2
INTO WOOD

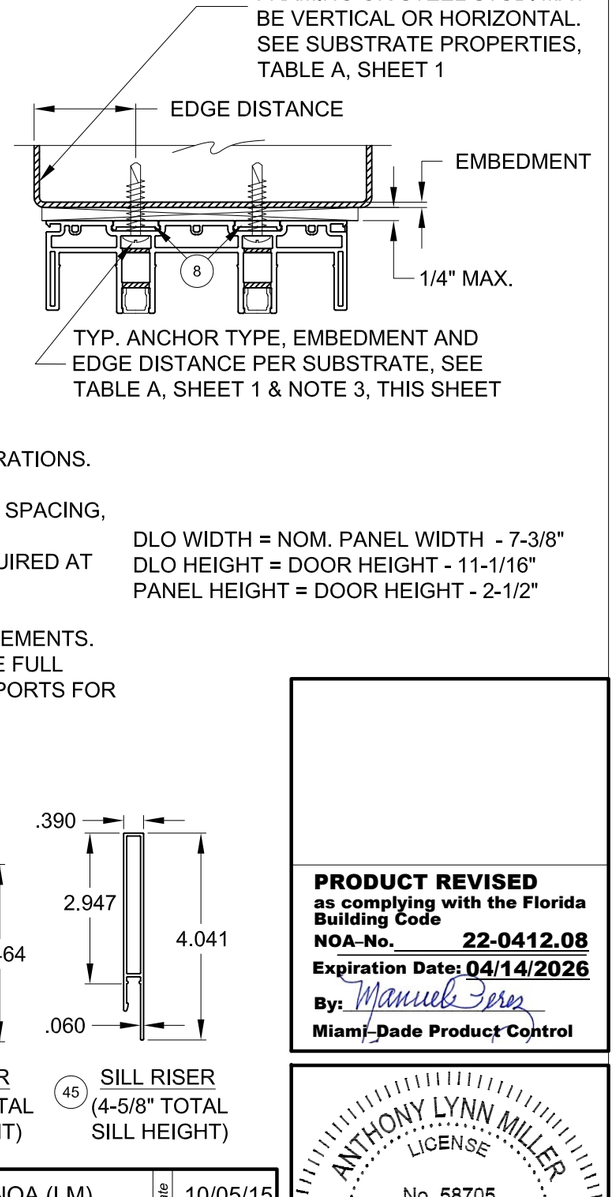


DETAIL F2
INTO WOOD

DETAIL E3
INTO MASONRY



DETAIL E4
INTO METAL



NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEETS 12 & 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1-3.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) SEE SHEET 21 FOR SCREEN DETAILS.
6) SEE TABLES 1-3 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

DLO WIDTH = NOM. PANEL WIDTH - 7-3/8"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

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REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	INSTALLATION, VERTICAL X-SECT.				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.				Rev Date		04/04/22
Rev					Rev Date		
Series	SGD-7650	Scale	NTS	Sheet	4 OF 22	DWG No.	MD-7650.0	Rev. No.	D

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as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuela Perez
Miami-Dade Product Control

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A. Lynn Miller
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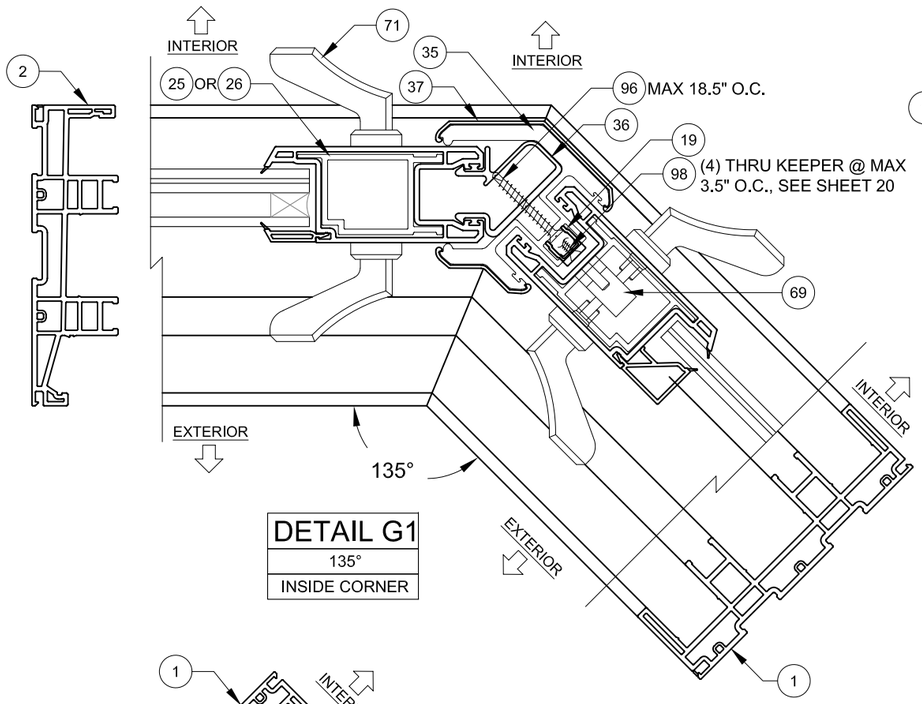
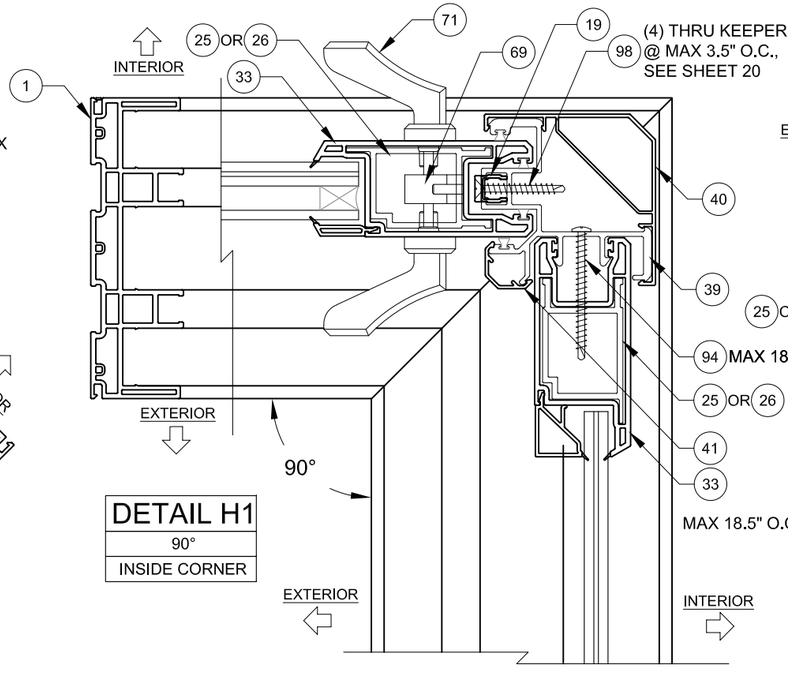
A. LYNN MILLER, P.E., P.E.# 58705



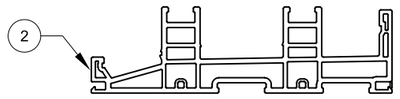
DETAIL G1

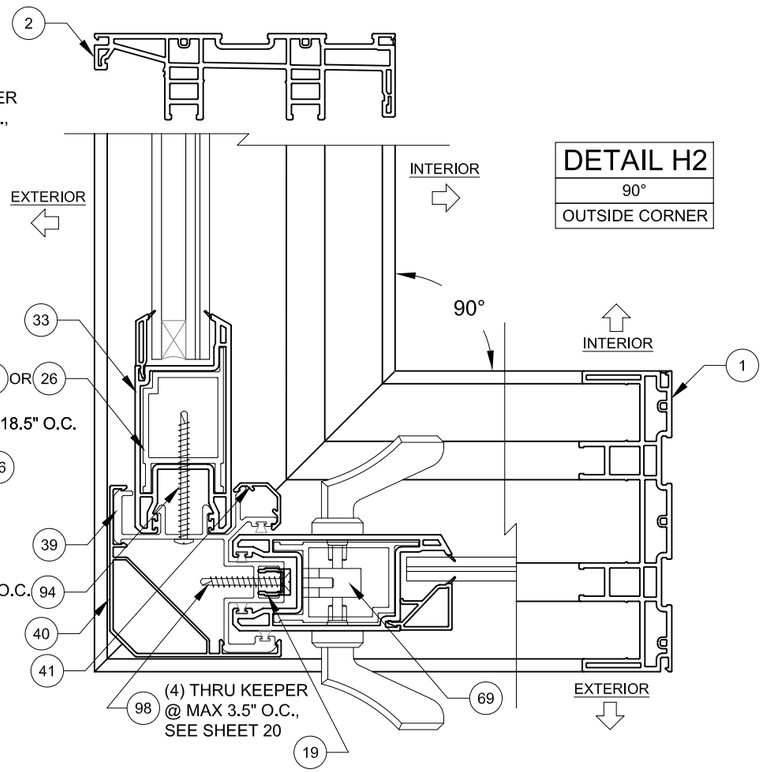
135°
INSIDE CORNER



DETAIL H1

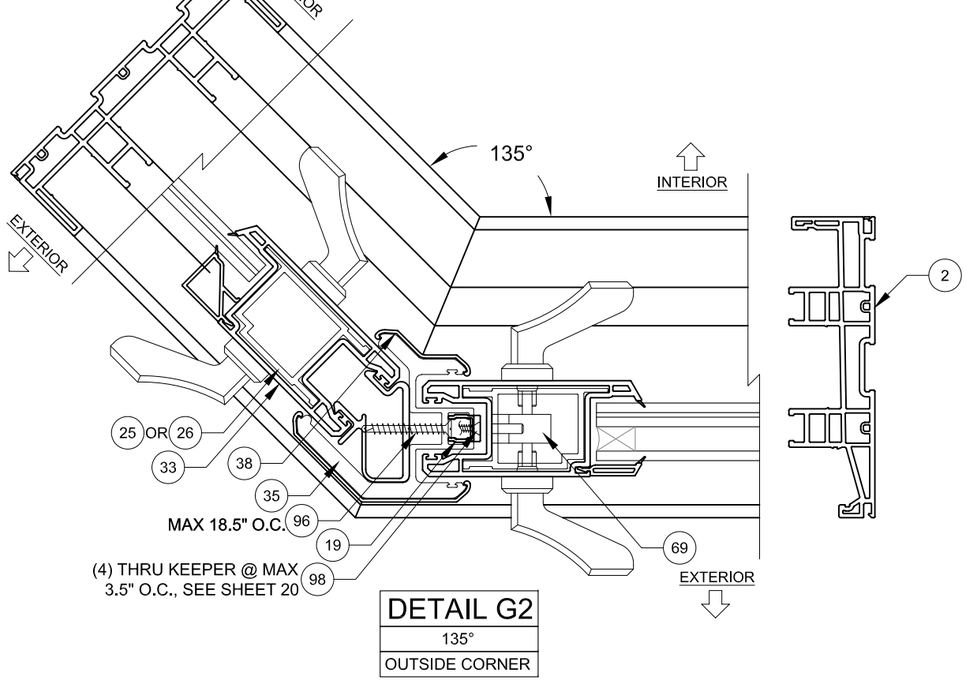
90°
INSIDE CORNER





DETAIL H2

90°
OUTSIDE CORNER



DETAIL G2

135°
OUTSIDE CORNER

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 15 & 16 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1-3.
3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.

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N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	CORNER ASTRAGAL HORIZ. X-SECT.		Drawn By	J ROSOWSKI	
Rev	NO CHANGES THIS SHEET.			Rev Date	04/04/22
Rev				Rev Date	
Series	SGD-7650	Scale NTS	Sheet 5 OF 22	DWG No. MD-7650.0	Rev. No. D

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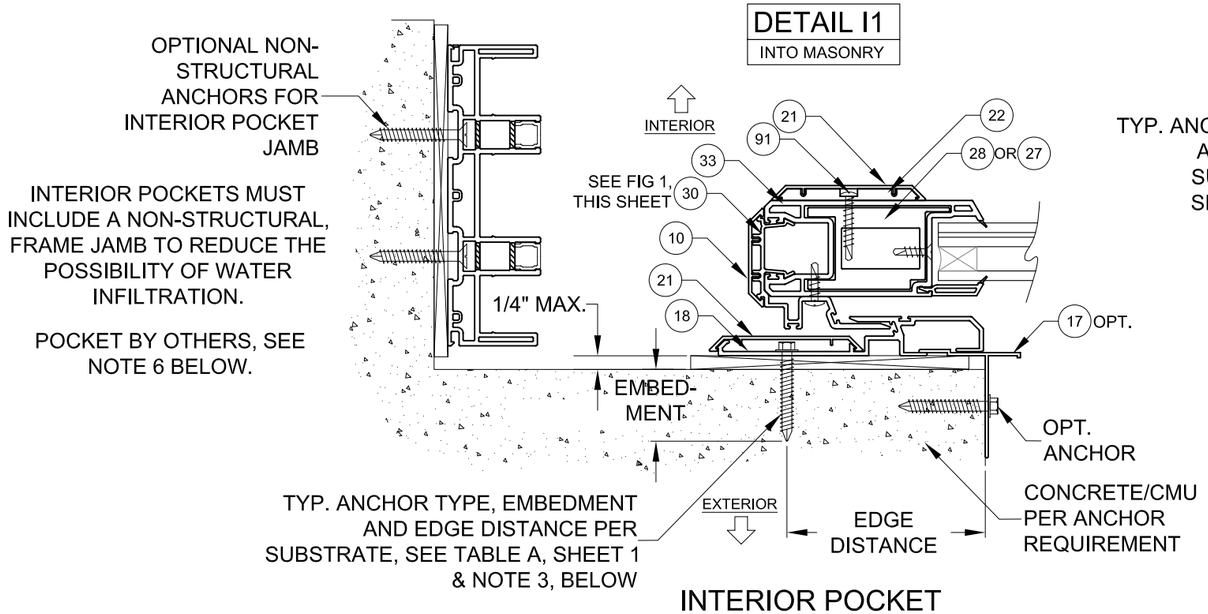
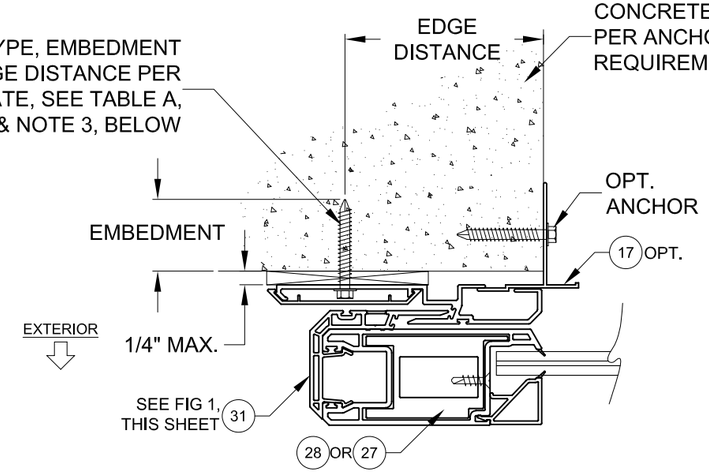
DETAIL I1
INTO MASONRY



INTERIOR POCKET

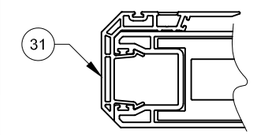
DETAIL I2
INTO MASONRY



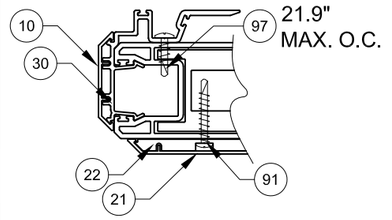
EXTERIOR POCKET

FIGURE 1, INTERLOCKS AT POCKETS:

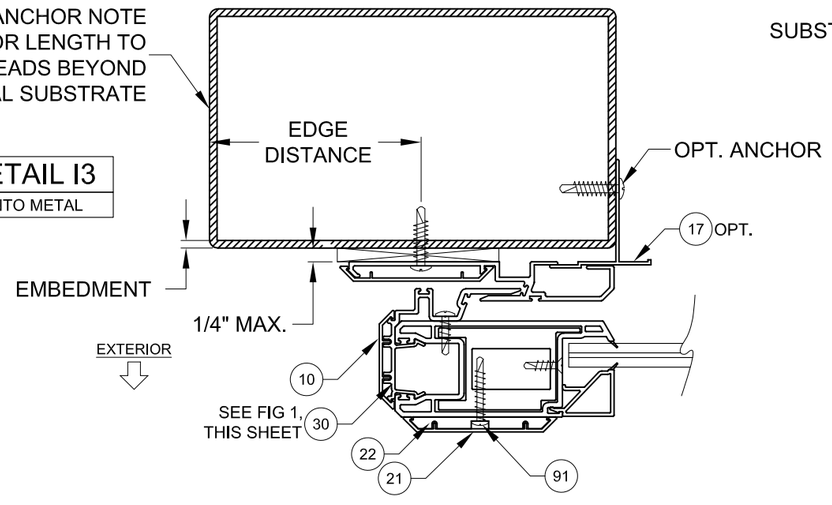
FOR DOOR HEIGHTS 96" AND LESS:



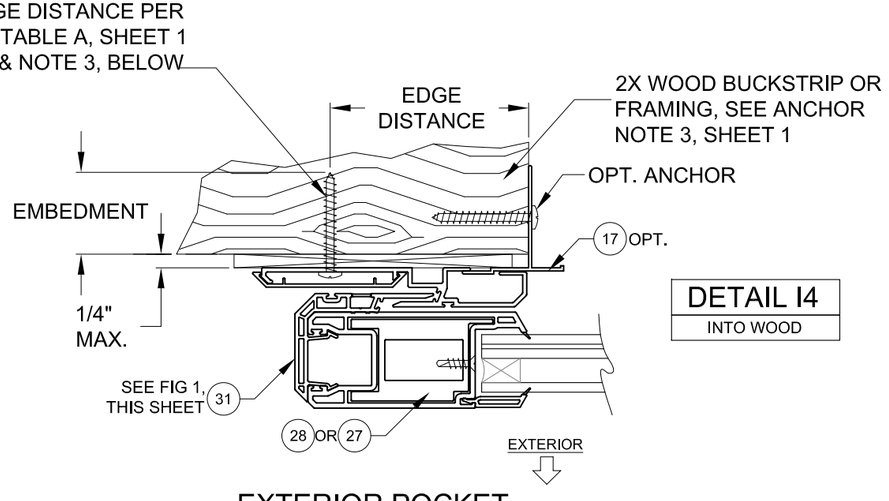
FOR DOOR HEIGHTS OVER 96"



DETAIL I3
INTO METAL



EXTERIOR POCKET



DETAIL I4
INTO WOOD

EXTERIOR POCKET

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1-3.
4) SEE TABLES 1-3 FOR REINFORCEMENT REQUIREMENTS.
5) INTERIOR OR EXTERIOR POCKETS APPLICABLE FOR ALL INSTALLATION METHODS.
6) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

Impact Resistant Windows & Doors
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PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	P-HOOK EXAMPLES, HORIZ. X-SECT.				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	6 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

TABLE 1:

Design Pressure (DP) and Anchor Quantities Required,
(for all approved configurations on Sheet 2)

Applies to Inter./Glass Types:
.090" PVB: 1, 1A, 3 & 3A
and using Astragal Reinf #29,
Lockstile Reinf. #25 or #26,
Std. Interlock Reinf. #27

Nominal Panel Width			Door Unit Height											
			80"				84"				96"			
			68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height			
			Anchor Group				Anchor Group				Anchor Group			
			A	B	C	D	A	B	C	D	A	B	C	D
24"	16-5/8" DLO Width	*Design Pressure*	*+60 / -60 psf*				*+60 / -60 psf*				*+60 / -60 psf*			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
30"	22-5/8" DLO Width	*Design Pressure*	*+60 / -60 psf*				*+60 / -60 psf*				*+60 / -60 psf*			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
36"	28-5/8" DLO Width	*Design Pressure*	*+60 / -60 psf*				*+60 / -60 psf*				*+60 / -60 psf*			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
42"	34-5/8" DLO Width	*Design Pressure*	*+60 / -60 psf*				*+60 / -60 psf*				*+60 / -60 psf*			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
48"	40-5/8" DLO Width	*Design Pressure*	*+60 / -60 psf*				*+60 / -60 psf*				*+60 / -60 psf*			
		Head/Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	6	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8

USED IN EXAMPLE ON SHEET 9

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTIES LISTED BELOW. SEE TABLE A, SHEET 1 FOR COMPLETE ANCHOR LIMITATIONS.

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B1, THIS SHEET.

OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

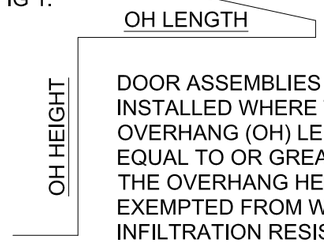
TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

TABLE B1:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+60.0 psf
45	4-5/8"	+60.0 psf

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.

DLO WIDTH = NOM. PANEL WIDTH - 7-3/8"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF EITHER TABLE 1 AND TABLE B1 DETERMINES THE WATER LIMITED (+) DP.
2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 1 MAY BE USED.
3) SEE SILL RISER TYPES ON SHEET 4.
4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
5) REFER TO ANCHOR NOTES, SHEET 1.
6) SEE SHEETS 12-17 FOR ANCHOR LOCATION & SPACING.

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PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	DP & ANCHOR QUANTITY TABLE				Drawn By	J ROSOWSKI	
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	7 OF 22	DWG No.	MD-7650.0	Rev. No.	D

ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E., P.E.# 58705

TABLE 2:

Design Pressure (DP) and Anchor Quantities Required,

(for all approved configurations on Sheet 2)

Applies to Inter./Glass Types:
.090" SG: 2 & 4
and using Astragal Reinf #29,
Lockstile Reinf. #25,
HD Interlock Reinf. #28

Nominal Panel Width	16-5/8" DLO Width	Door Unit Height	80"				84"				96"				108"				120"			
			68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height				96-15/16" DLO Height				108-15/16" DLO Height			
			Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
24"		*Design Pressure*	*+100 / -100 psf*				*+100 / -100 psf*				*+100 / -100 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
30"	22-5/8" DLO Width	*Design Pressure*	*+100 / -100 psf*				*+100 / -100 psf*				*+100 / -100 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
36"	28-5/8" DLO Width	*Design Pressure*	*+100 / -100 psf*				*+100 / -100 psf*				*+100 / -100 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1
		Jamb	5	5	6	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
42"	34-5/8" DLO Width	*Design Pressure*	*+100 / -100 psf*				*+100 / -100 psf*				*+100 / -100 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
		Jamb	5	5	7	5	5	5	7	5	5	5	8	5	6	6	6	6	6	6	7	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
48"	40-5/8" DLO Width	*Design Pressure*	*+100 / -100 psf*				*+100 / -100 psf*				*+92 / -92 psf **				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1
		Jamb	5	5	7	5	5	5	8	5	5	5	9	5	6	6	7	6	6	6	8	6
		P-hook	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	10	10	10	10
54"	46-5/8" DLO Width	*Design Pressure*	*+80 / -80 psf*				*+80 / -80 psf*				*+80 / -80 psf*				*+60 / 65 psf*				*+54.1 / -58.7 psf*			
		Head/Sill	C5+2	C3+2	C5+2	C3+2	C5+2	C3+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
		Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	6	8	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
60"	52-5/8" DLO Width	*Design Pressure*	*+80 / -80 psf*				*+80 / -80 psf*				*+80 / -80 psf*				*+59.1 / -64 psf*				*+49.6 / -53.7 psf*			
		Head/Sill	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
		Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	6	8	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10

* +/-100.0 PSF FOR ANCHOR GROUPS B, C & D.

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTIES LISTED BELOW. SEE TABLE A, SHEET 1 FOR COMPLETE ANCHOR LIMITATIONS.

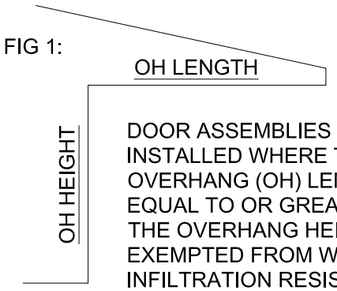
THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B2, THIS SHEET.

OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE B2:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+80.0 psf
45	4-5/8"	+100.0 psf

DLO WIDTH = NOM. PANEL WIDTH - 7-3/8"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Mariuska Perez
Miami-Dade Product Control

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF EITHER TABLE 2 AND TABLE B2 DETERMINES THE WATER LIMITED (+) DP.
2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 2 MAY BE USED.
3) SEE SILL RISER TYPES ON SHEET 4.
4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
5) REFER TO ANCHOR NOTES, SHEET 1.
6) SEE SHEETS 12-17 FOR ANCHOR LOCATION & SPACING.

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REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	DP & ANCHOR QUANTITY TABLE				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	8 OF 22	DWG No.	MD-7650.0	Rev. No.	D

ANTHONY LYNN MILLER
LICENSE
No. 58705
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E., P.E.# 58705

TABLE 3:

Design Pressure (DP) and Anchor Quantities Required,

(for all approved configurations on Sheet 2)

Applies to Inter./Glass Types:
.090" PVB-1: 5 & 6
.120" PVB: 5 & 6
and using Astragal Reinf #29, Lockstile Reinf. #25, HD Interlock Reinf. #28

Nominal Panel Width			Door Unit Height																			
			80"				84"				96"				108"				120"			
			68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height				96-15/16" DLO Height				108-15/16" DLO Height			
			Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
24"	16-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
30"	22-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
36"	28-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+2	C3+1	C5+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+2	C5+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1
		Jamb	5	5	6	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	6	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
42"	34-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1
		Jamb	5	5	7	5	5	5	7	5	5	5	8	5	6	6	6	6	6	6	7	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
48"	40-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*			
		Head/Sill	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1
		Jamb	5	5	7	5	5	5	8	5	5	5	9	5	6	6	7	6	6	6	8	6
		P-hook	7	7	7	7	7	7	8	8	8	8	9	9	9	9	9	9	10	10	10	10
54"	46-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+54.1 / -58.7 psf*			
		Head/Sill	C5+2	C3+2	C5+2	C3+2	C5+2	C3+2	C5+2	C3+2	C5+2	C5+2	C5+2	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
		Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	6	8	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
60"	52-5/8" DLO Width	*Design Pressure*	*+60 / -65 psf*				*+60 / -65 psf*				*+60 / -65 psf*				*+59.1 / -64 psf*				*+49.6 / -53.7 psf*			
		Head/Sill	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C3+2	C5+3	C5+2	C5+3	C3+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2
		Jamb	5	5	6	5	5	5	7	5	5	5	8	5	6	6	8	6	6	6	8	6
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTIES LISTED BELOW. SEE TABLE A, SHEET 1 FOR COMPLETE ANCHOR LIMITATIONS.

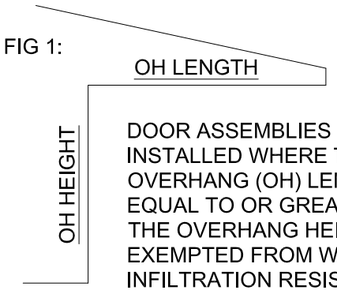
THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B3, THIS SHEET.

OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

FIG 1:



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.

TABLE B3:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+60.0 psf
45	4-5/8"	+60.0 psf

DLO WIDTH = NOM. PANEL WIDTH - 7-3/8"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

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as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuela Perez
Miami-Dade Product Control

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED,THE LESSER VALUES OF EITHER TABLE 3 AND TABLE B3 DETERMINES THE WATER LIMITED (+) DP.
2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 3 MAY BE USED.
3) SEE SILL RISER TYPES ON SHEET 4.
4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
5) REFER TO ANCHOR NOTES, SHEET 1.
6) SEE SHEETS 12-17 FOR ANCHOR LOCATION & SPACING.

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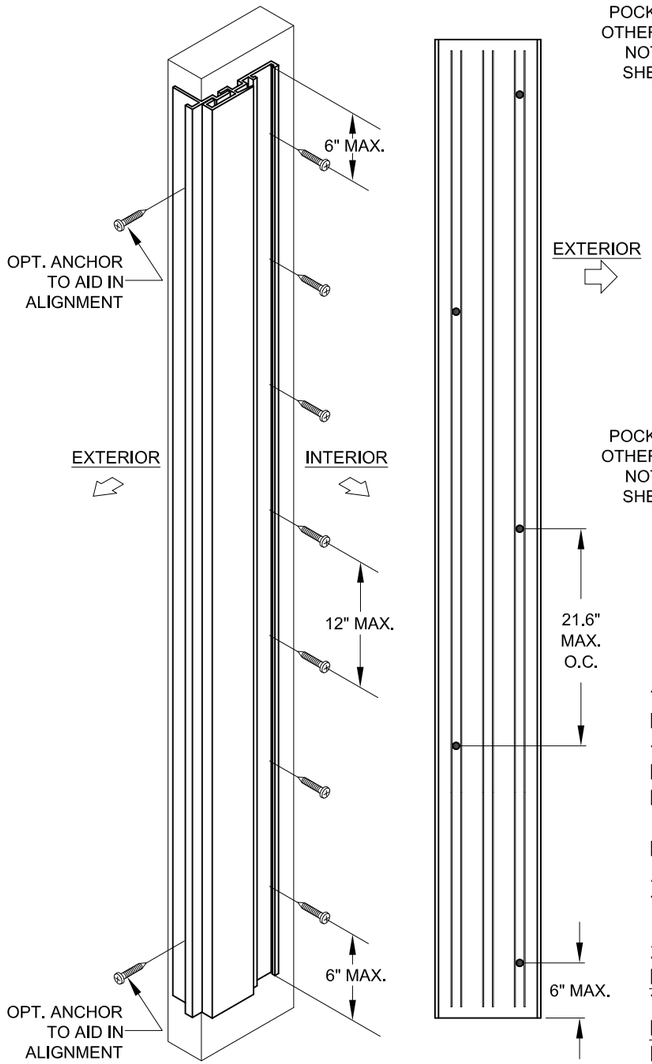
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	DP & ANCHOR QUANTITY TABLE					Drawn By	J ROSOWSKI
Rev	NEW SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	9 OF 22	DWG No.	MD-7650.0	Rev. No.	D

ANTHONY LYNN MILLER
LICENSE
No. 58705
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E., P.E.# 58705

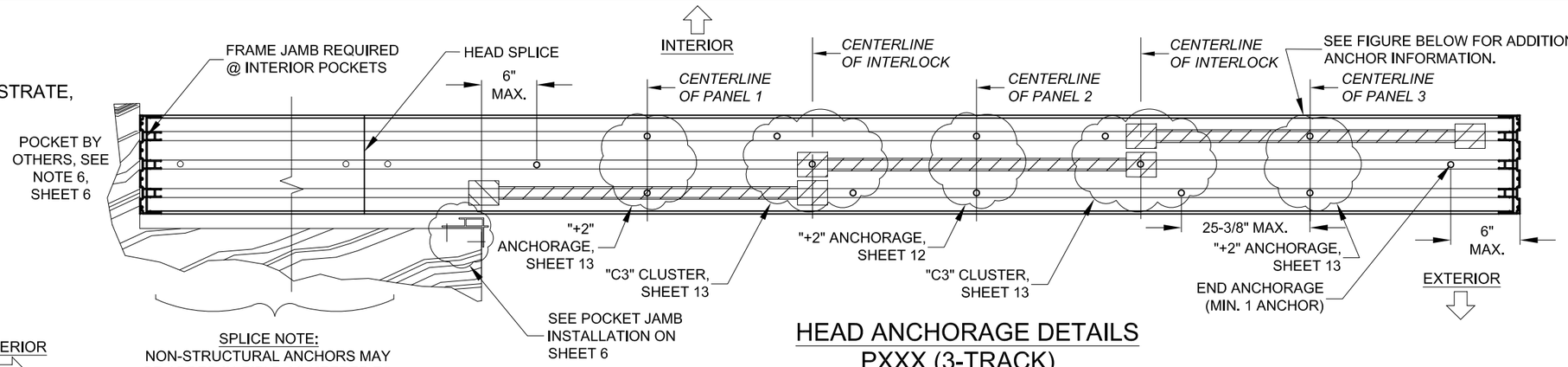
EXAMPLE:

3-PANEL, 3 TRACK, STRAIGHT CONFIGURATION - PXXX,
INTERIOR MOUNT POCKET, 48" X 84" NOM. PANELS,
LAMINATED, IG GLAZING, ANCHOR GROUP A IN WOOD SUBSTRATE,
PROJECT DESIGN PRESSURE REQUIRED: +48.2/-58.6 PSF



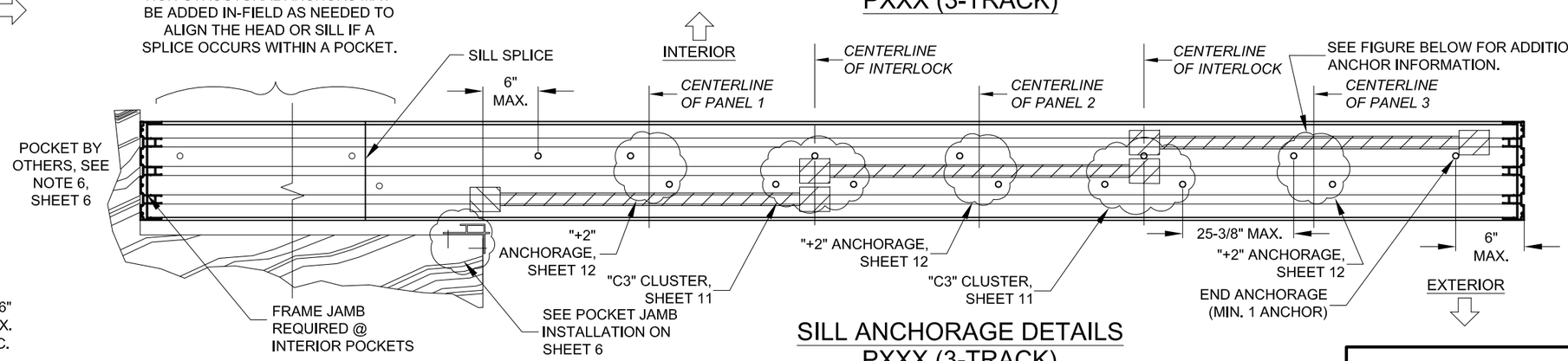
P-HOOK ANCHORAGE DETAILS

JAMB ANCHORAGE DETAILS



HEAD ANCHORAGE DETAILS
PXXX (3-TRACK)

SPLICE NOTE:
NON-STRUCTURAL ANCHORS MAY BE ADDED IN-FIELD AS NEEDED TO ALIGN THE HEAD OR SILL IF A SPLICE OCCURS WITHIN A POCKET.



SILL ANCHORAGE DETAILS
PXXX (3-TRACK)

1) KNOWING THE PRODUCT'S REQUIREMENTS, SCAN THROUGH TABLES 1-3 FOR A DESIGN PRESSURE THAT MEETS OR EXCEEDS THE REQUIREMENT OF +48.2/-58.6 AT A NOM. PANEL SIZE OF 48" X 84". FROM TABLE 1, SHEET 7, THE DESIGN PRESSURE IS +60/-60 WHICH EXCEEDS THE PROJECT DESIGN PRESSURE REQUIREMENTS.

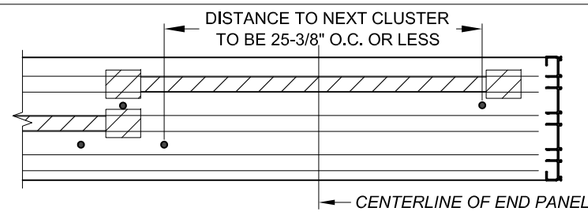
FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF:

Head/Sill	C3+2
Jamb	5
P-hook	7

2) ANCHOR LOCATION DETAILS, CAN BE FOUND ON:
HEAD (CLUSTER ANCHORS): SHEET 13 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
HEAD (INTERMEDIATE ANCHORS): SHEET 13 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
SILL (CLUSTER ANCHORS): SHEET 12 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
SILL (INTERMEDIATE ANCHORS): SHEET 12 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
JAMB: 5 ANCHORS, SHEET 14 FOR GEN. LAYOUT.
P-HOOK: 7 ANCHORS, SHEET 14 FOR GENERAL LAYOUT.

3) INSTALLATION DETAILS INTO WOOD CAN BE FOUND ON:
HEAD & SILL: SHEET 4
JAMB: SHEET 3
P-HOOK: SHEET 6

END PANEL ANCHOR EXCEPTION:



FOR SILL (SHOWN) AND HEAD, ANCHORS AT THE MIDPOINT OF END PANELS ARE ONLY REQUIRED IF THE O.C. DISTANCE TO THE NEXT ANCHOR CLUSTER IS OVER 25-3/8", OTHERWISE ANCHORS ARE NOT REQUIRED AS PER THE FIGURE ABOVE:

FOR PRODUCT REFERENCES, ALSO SEE:
A) SHEET 2 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
B) SHEET 11 FOR SPECIFIC GLAZING TYPES.
C) SHEET 18 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 4 & 19 FOR EXTRUSION CROSS-SECTION DRAWINGS.
E) SHEET 20 FOR INSTALLATION OF ADDITIONAL ACCESSORIES.
F) SHEET 22 FOR A BILL OF MATERIALS.

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REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15		
Desc.	STRAIGHT DOOR EXAMPLE				Drawn By	J ROSOWSKI			
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22		
Rev						Rev Date			
Series	SGD-7650	Scale	NTS	Sheet	10 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

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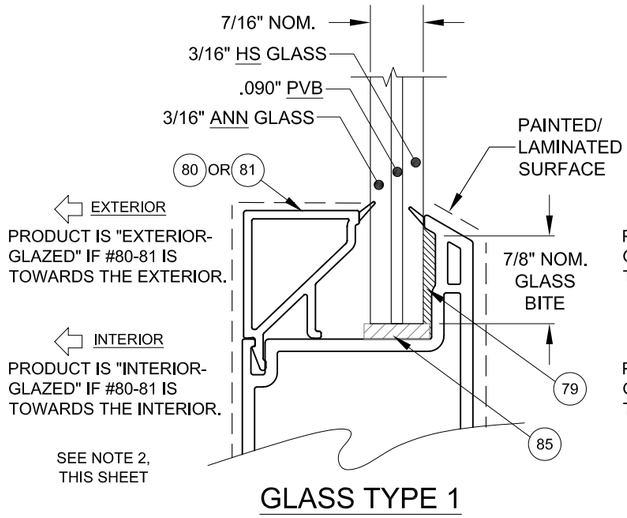
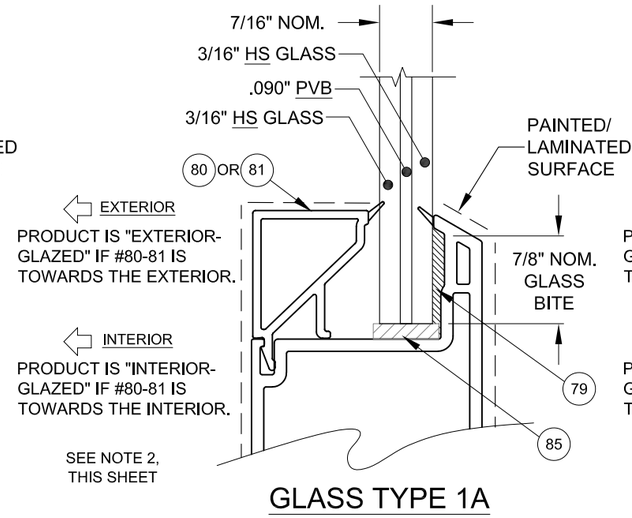
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

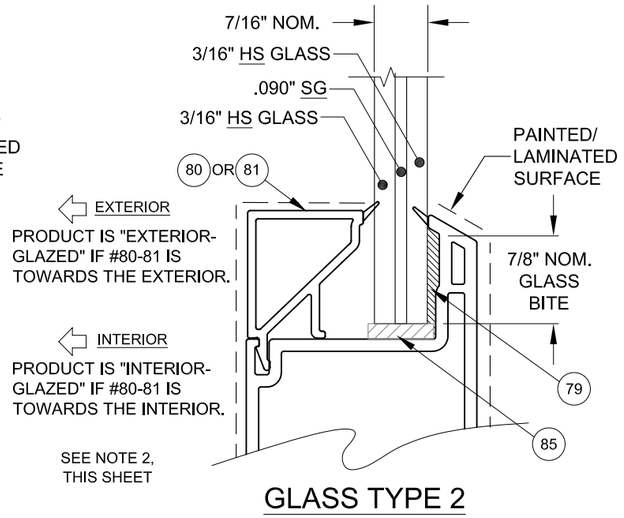
A. LYNN MILLER, P.E., P.E.# 58705



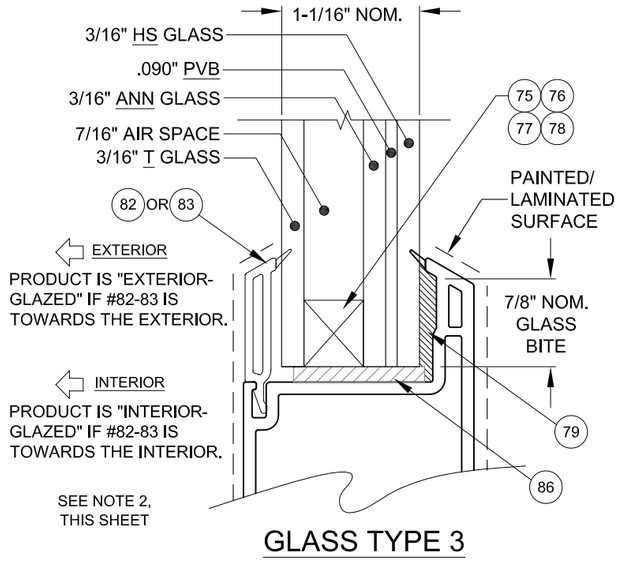
GLASS TYPE 1



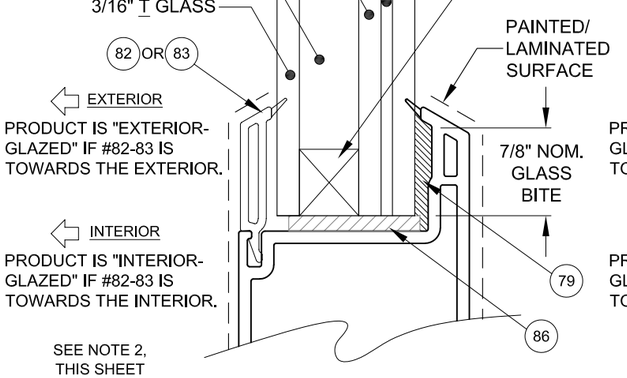
GLASS TYPE 1A



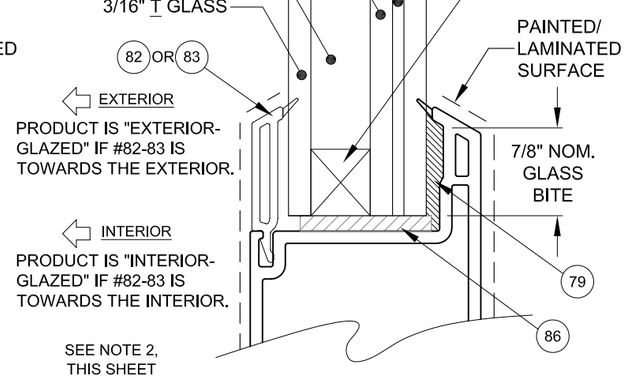
GLASS TYPE 2



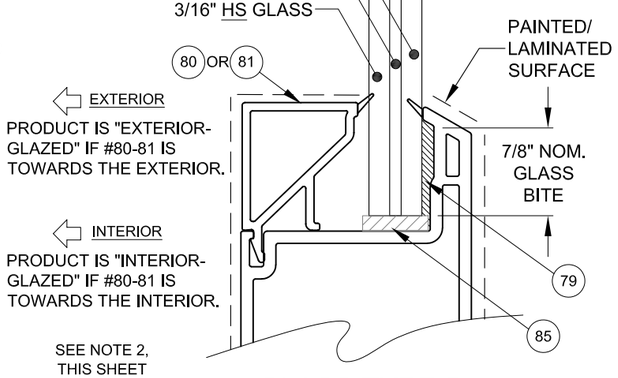
GLASS TYPE 3



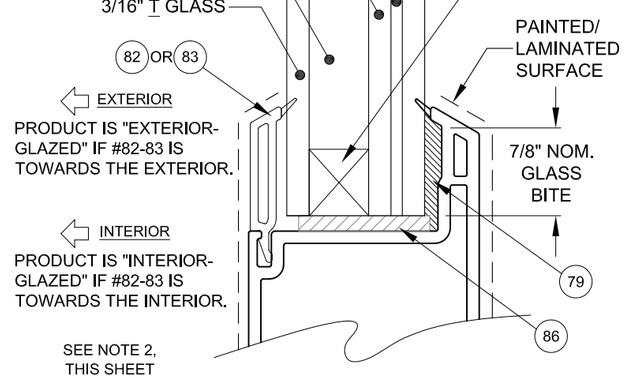
GLASS TYPE 3A



GLASS TYPE 4



GLASS TYPE 5



GLASS TYPE 6

"ANN" = ANNEALED
"HS" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.
"SG" = SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.
"PVB-1" = MODIFIED TROSIFOL® PVB INTERLAYER BY KURARAY AMERICA, INC.

NOTES:
1) BACKBEDDING SURFACES SHALL NOT BE PAINTED OR LAMINATED.

2) PRODUCT MAY BE EITHER INTERIOR OR EXTERIOR GLAZED, PROVIDED THAT THE "HS" SURFACE OF A LAMINATED GLAZING UNIT IS ADHERED TO THE GLAZING LEG.

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REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	GLAZING DETAILS				Drawn By		J ROSOWSKI
Rev	ADDED PVB-1 AS OPTION TO #5 & #6.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	11 OF 22	DWG No.	MD-7650.0	Rev. No.	D

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NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

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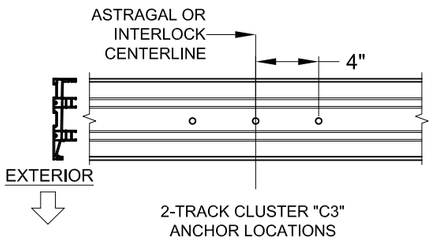
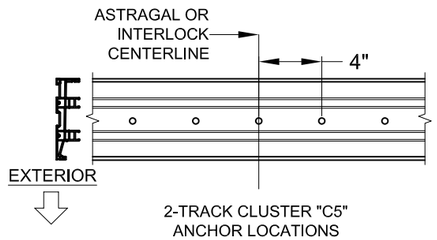
LICENSE
No. 58705
A Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

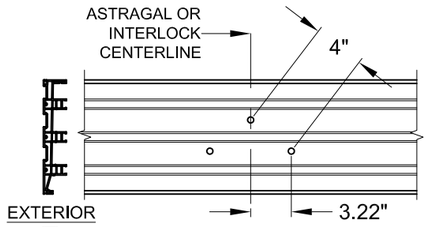
SILL CLUSTER ANCHORS LAYOUT:



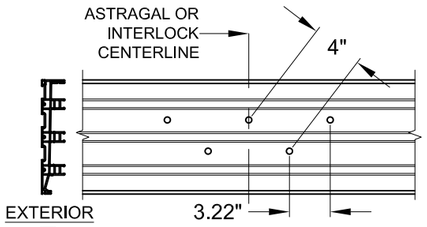
2-TRACK CLUSTER "C3"
ANCHOR LOCATIONS



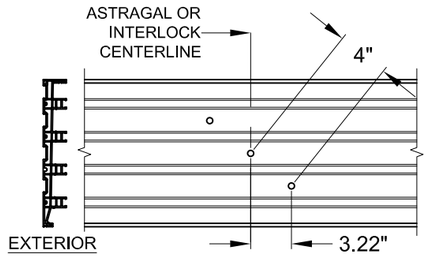
2-TRACK CLUSTER "C5"
ANCHOR LOCATIONS



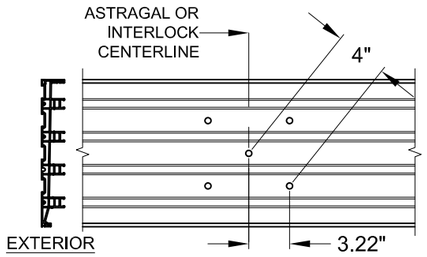
3-TRACK CLUSTER "C3"
ANCHOR LOCATIONS



3-TRACK CLUSTER "C5"
ANCHOR LOCATIONS



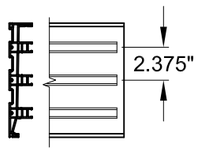
4-TRACK CLUSTER
"C3" ANCHOR LOCATIONS



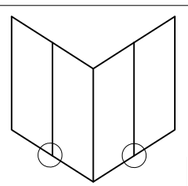
4-TRACK CLUSTER
"C5" ANCHOR LOCATIONS

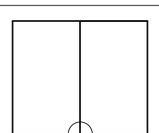
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



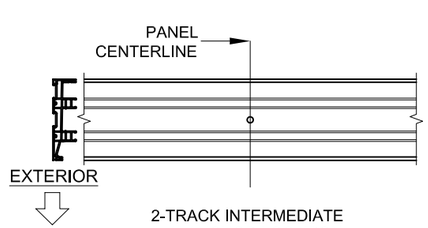
FIGURES PERTAIN TO THE FOLLOWING SILL CLUSTER ANCHOR LOCATIONS:



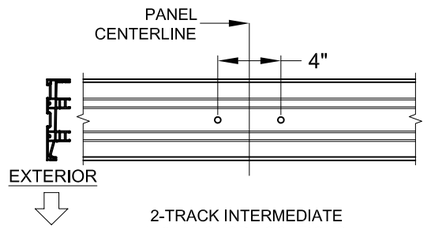


Head/Sill	C3+1
Jamb	5
P-hook	7

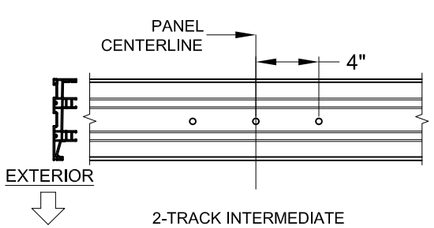
SILL "+" INTERMEDIATE ANCHORS LAYOUT:



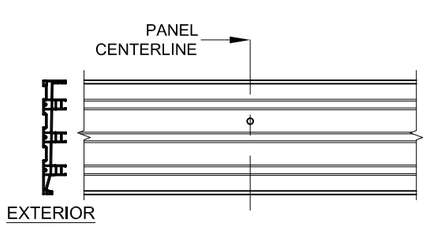
2-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



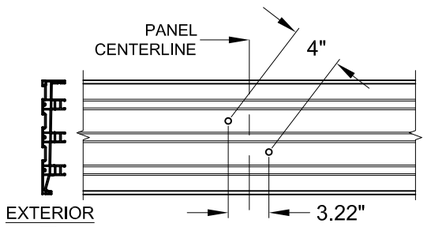
2-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



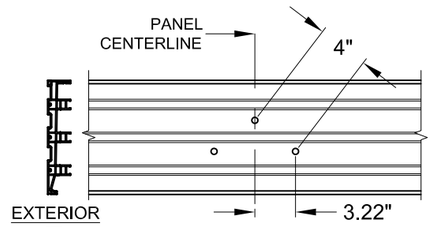
2-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS



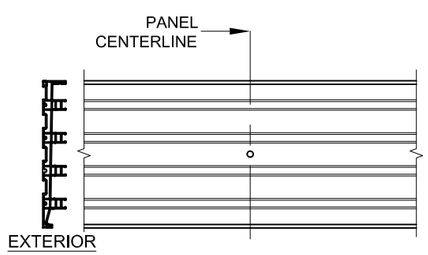
3-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



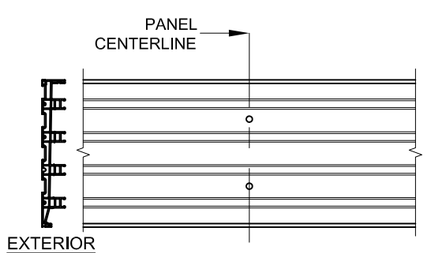
3-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



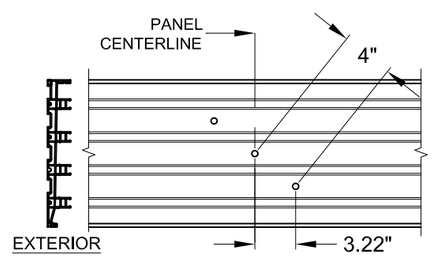
3-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS



4-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



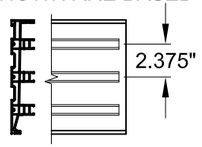
4-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



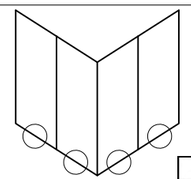
4-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS

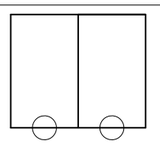
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



FIGURES PERTAIN TO THE FOLLOWING SILL INTERMEDIATE ANCHOR LOCATIONS:





Head/Sill	C3+1
Jamb	5
P-hook	7

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PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15		
Desc.	ANCHOR LOCATIONS A				Drawn By	J ROSOWSKI			
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22		
Rev						Rev Date			
Series	SGD-7650	Scale	NTS	Sheet	12 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
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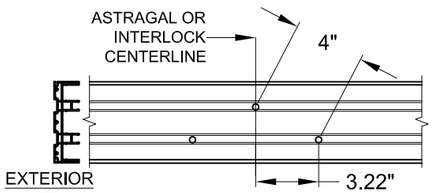
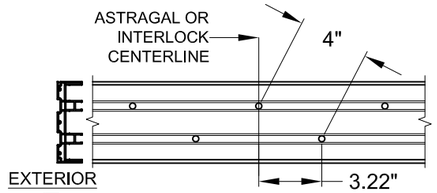
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

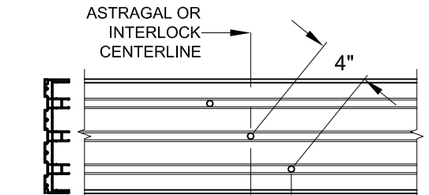
HEAD CLUSTER ANCHORS LAYOUT:



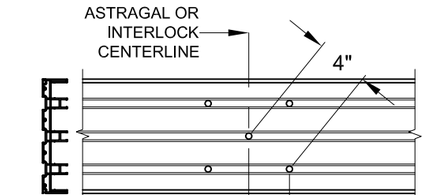
2-TRACK CLUSTER "C3"
ANCHOR LOCATIONS



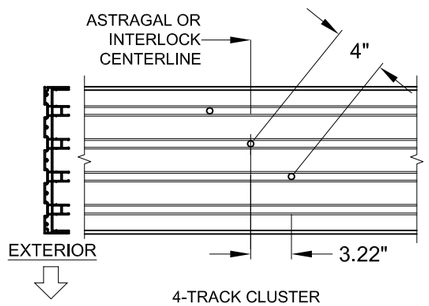
2-TRACK CLUSTER "C5"
ANCHOR LOCATIONS



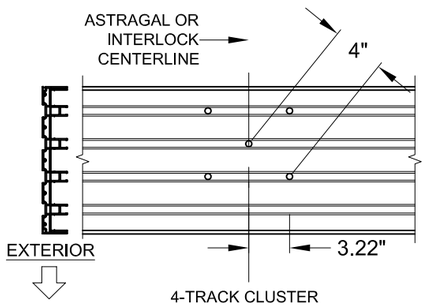
3-TRACK CLUSTER "C3"
ANCHOR LOCATIONS



3-TRACK CLUSTER "C5"
ANCHOR LOCATIONS



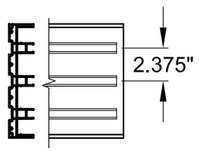
4-TRACK CLUSTER
"C3"ANCHOR LOCATIONS



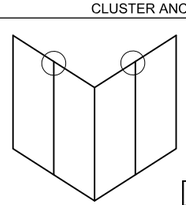
4-TRACK CLUSTER
"C5"ANCHOR LOCATIONS

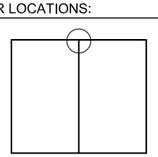
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK
DISTANCE IS 2.375"
FOR ALL HEADS:



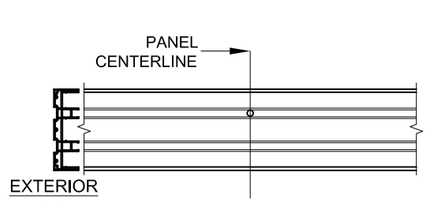
FIGURES PERTAIN TO THE FOLLOWING HEAD
CLUSTER ANCHOR LOCATIONS:



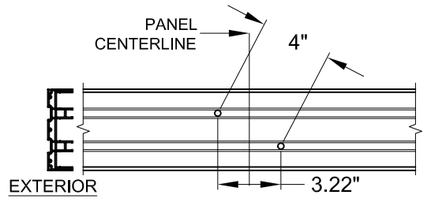


Head/Sill	C3+1
Jamb	5
P-hook	7

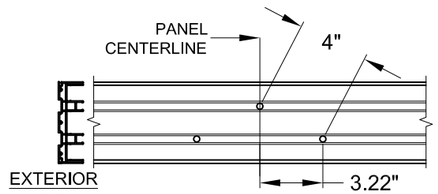
HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



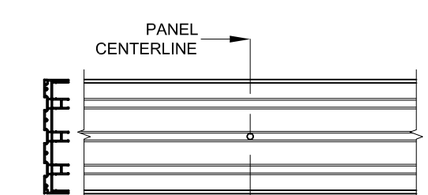
2-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



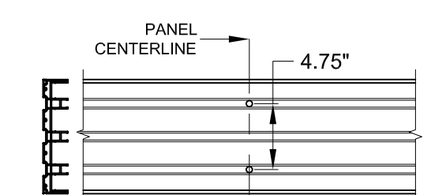
2-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



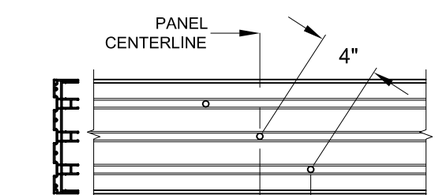
2-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS



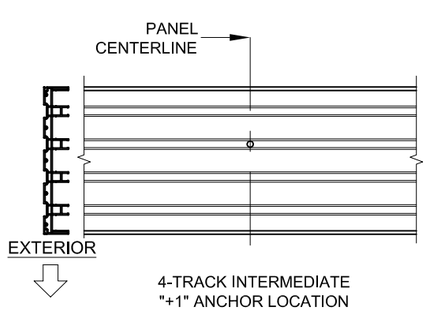
3-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



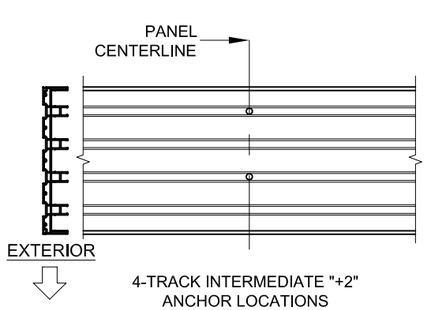
3-TRACK INTERMEDIATE
"+2" ANCHOR LOCATIONS



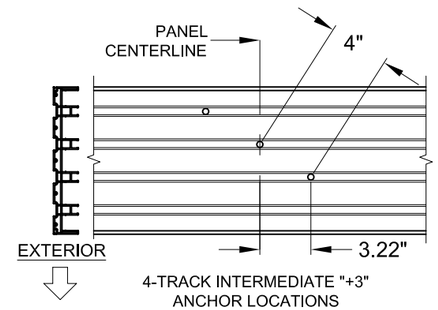
3-TRACK INTERMEDIATE
"+3" ANCHOR LOCATIONS



4-TRACK INTERMEDIATE
"+1" ANCHOR LOCATION



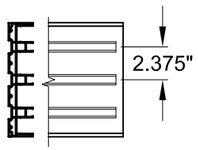
4-TRACK INTERMEDIATE "+2"
ANCHOR LOCATIONS



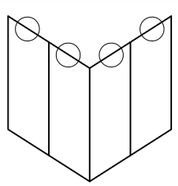
4-TRACK INTERMEDIATE "+3"
ANCHOR LOCATIONS

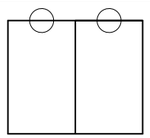
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK
DISTANCE IS 2.375"
FOR ALL HEADS:



FIGURES PERTAIN TO THE FOLLOWING HEAD
INTERMEDIATE ANCHOR LOCATIONS:





Head/Sill	C3+1
Jamb	5
P-hook	7

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PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

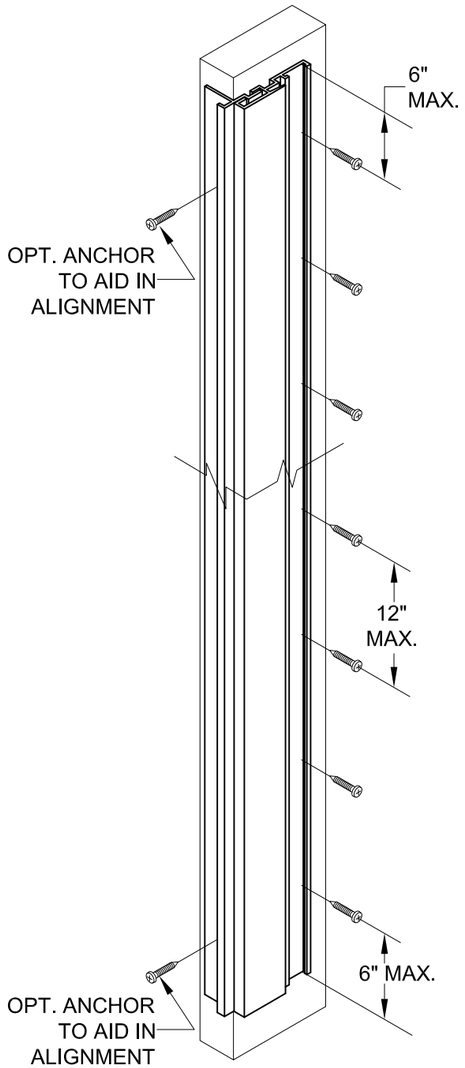
Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15		
Desc.	ANCHOR LOCATIONS B					Drawn By	J ROSOWSKI		
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22		
Rev						Rev Date			
Series	SGD-7650	Scale	NTS	Sheet	13 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

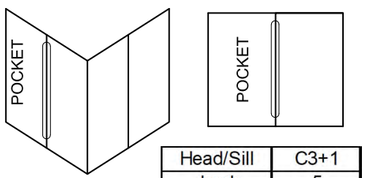
A. LYNN MILLER, P.E., P.E.# 58705

P-HOOK ANCHORS LAYOUT:



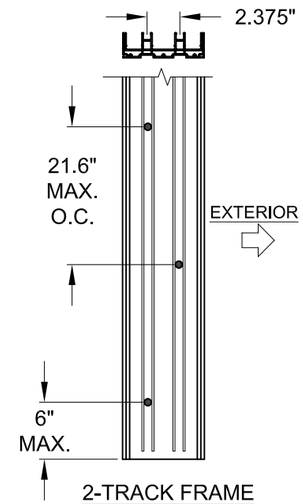
NOTES:
1) SEE TABLES 1-3 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

FIGURES PERTAIN TO THE FOLLOWING POCKET JAMB (P-HOOK) ANCHOR LOCATIONS:

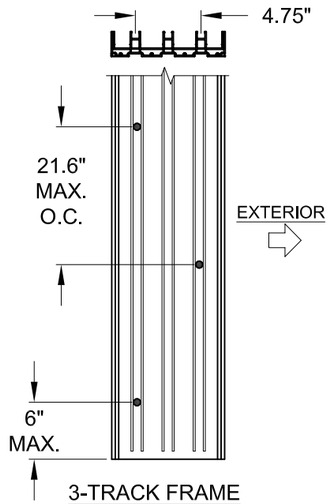


Head/Sill	C3+1
Jamb	5
P-hook	(7)

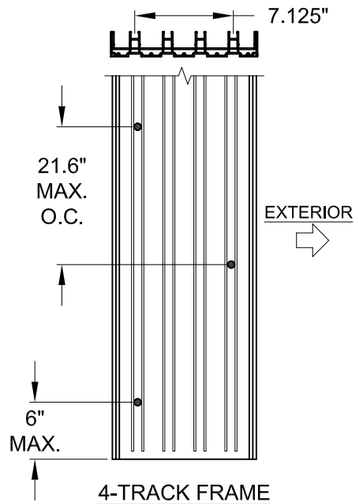
JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



2-TRACK FRAME JAMB ANCHORS

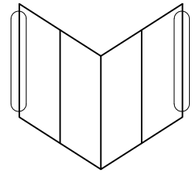


3-TRACK FRAME JAMB ANCHORS



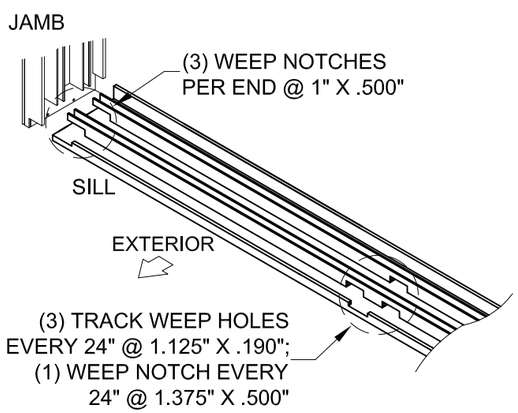
4-TRACK FRAME JAMB ANCHORS

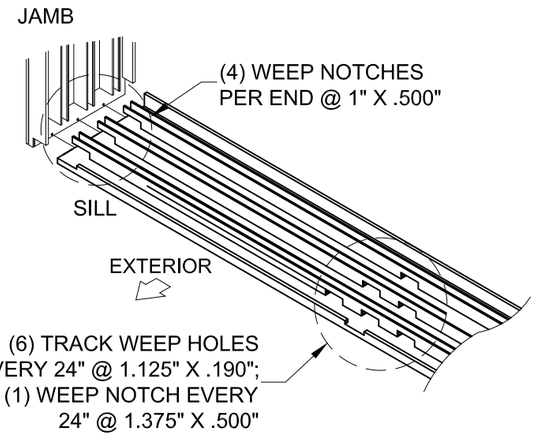
FIGURES PERTAIN TO THE FOLLOWING JAMB ANCHOR LOCATIONS:

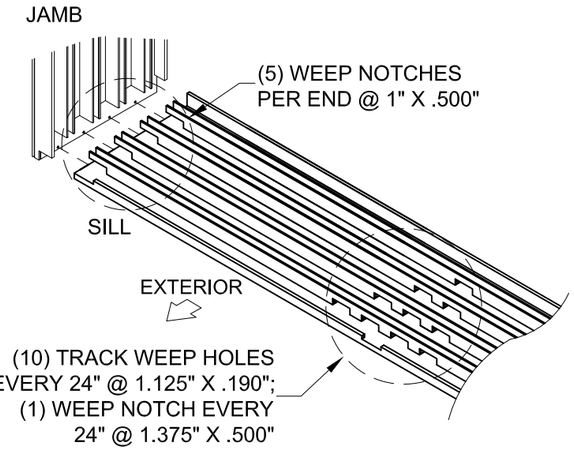


Head/Sill	C3+1
Jamb	(5)
P-hook	7

NOTES:
1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS MAY BE LOCATED IN ANY ADJACENT TRACK (SIMILAR TO THE 2-TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS. IN CASE OF AN ODD NUMBER OF ANCHORS, THE MAJORITY MAY BE TOWARD THE INTERIOR OR EXTERIOR.







SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

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Rev	NO CHANGES THIS SHEET.				Rev Date	04/04/22			
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Series	SGD-7650	Scale	NTS	Sheet	14 OF 22	DWG No.	MD-7650.0	Rev. No.	D

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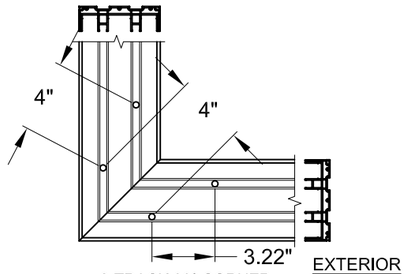
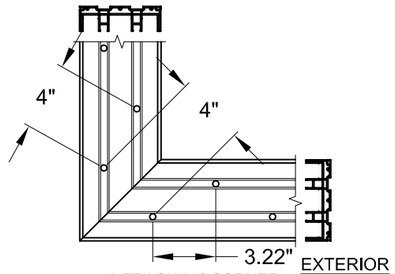
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

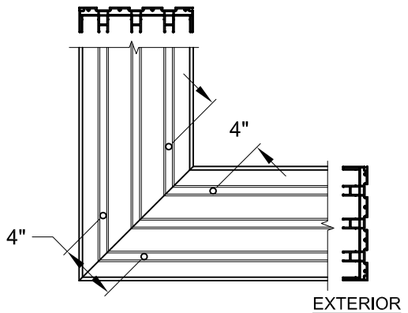
HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:



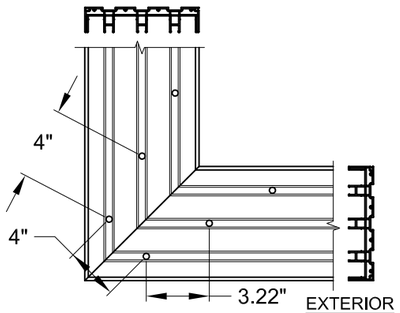
2-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



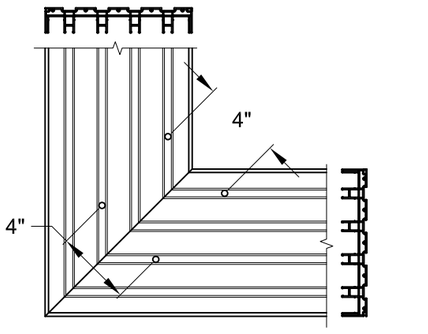
2-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



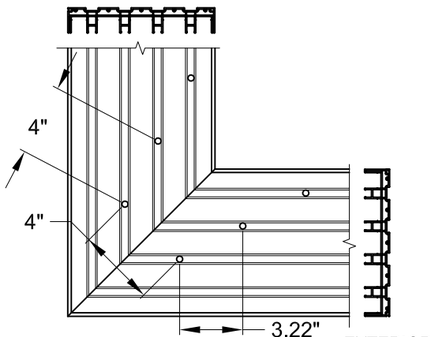
3-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

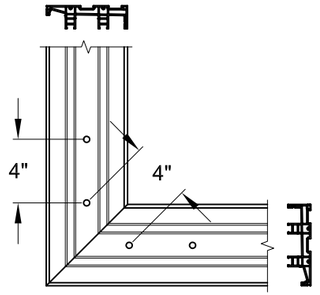


4-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

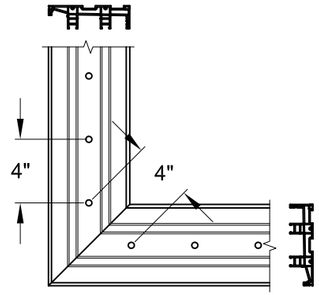


4-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

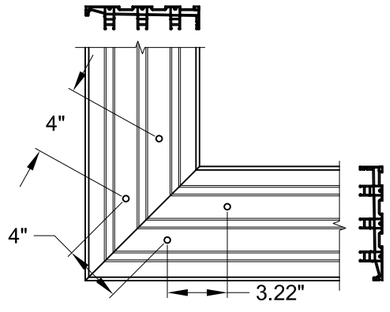
SILL 90° CORNER CLUSTER ANCHORS LAYOUT:



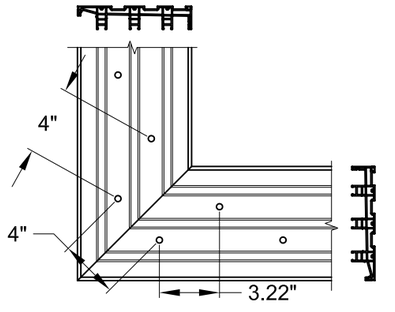
2-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)
EXTERIOR



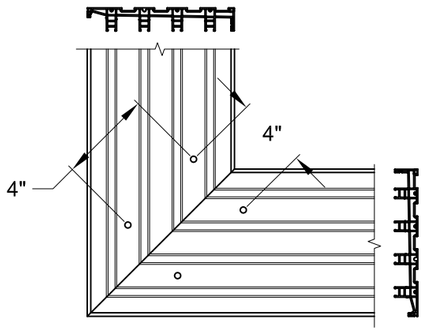
2-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)
EXTERIOR



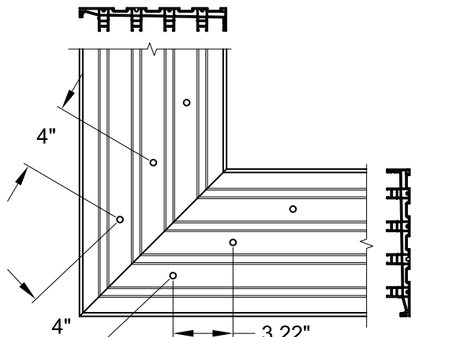
3-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)
EXTERIOR



3-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)
EXTERIOR

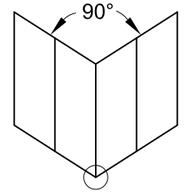


4-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)
EXTERIOR



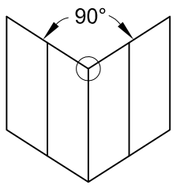
4-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)
EXTERIOR

FIGURES PERTAIN TO THE FOLLOWING 90° CORNER SILL ANCHOR LOCATIONS:



Head/Sill	C3+1
Jamb	5
P-hook	7

FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:

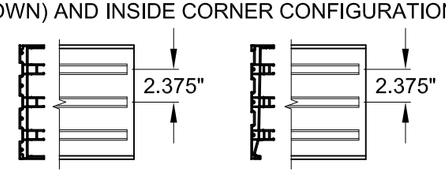


Head/Sill	C3+1
Jamb	5
P-hook	7

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:



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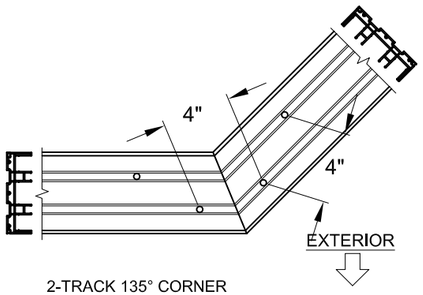
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E., P.E.# 58705

Impact Resistant Windows & Doors
WE'RE STRONGER™
3780 W 104TH STREET
HIALEAH, FL 33018
(305) 593-6590

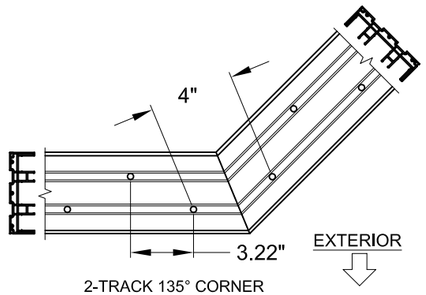
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15		
Desc.	ANCHOR LOCATIONS D					Drawn By	J ROSOWSKI		
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22		
Rev						Rev Date			
Series	SGD-7650	Scale	NTS	Sheet	15 OF 22	DWG No.	MD-7650.0	Rev. No.	D

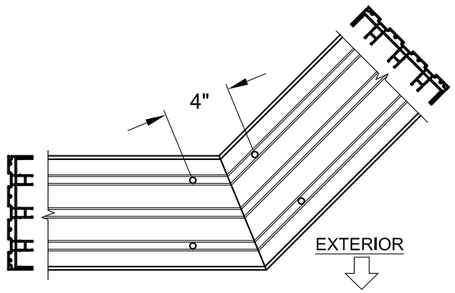
HEAD 135° CORNER CLUSTER ANCHORS LAYOUT:



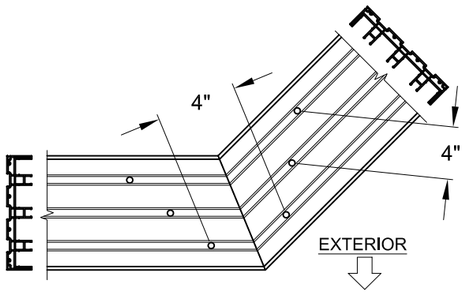
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



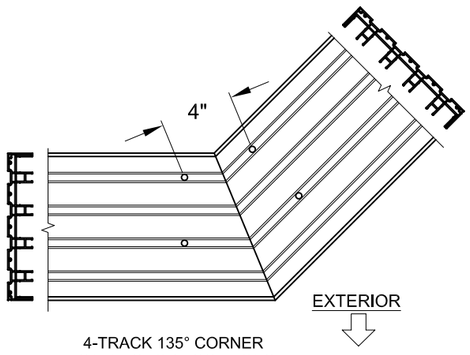
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



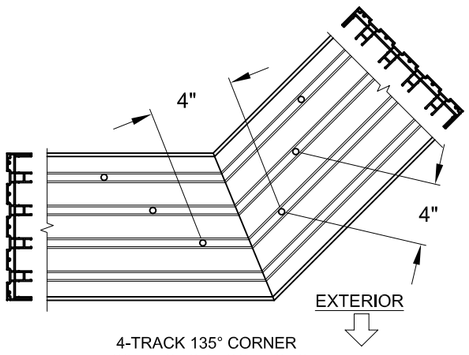
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

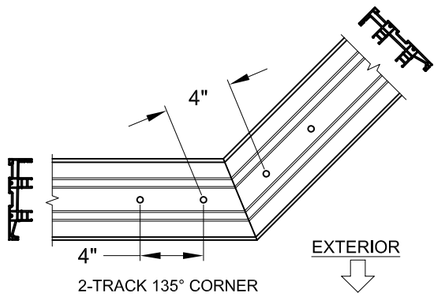


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

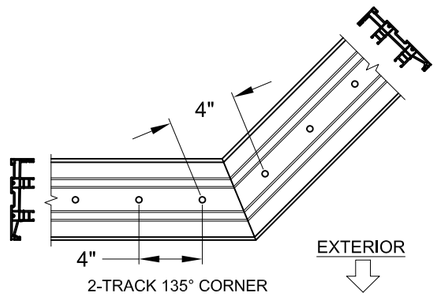


4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

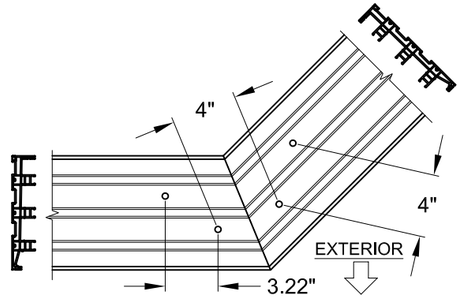
SILL 135° CORNER CLUSTER ANCHORS LAYOUT:



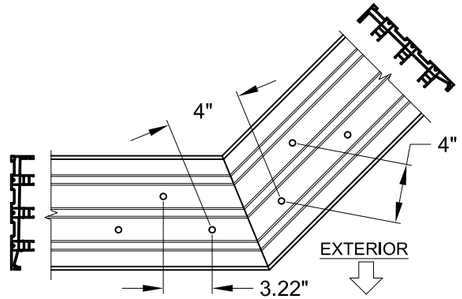
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



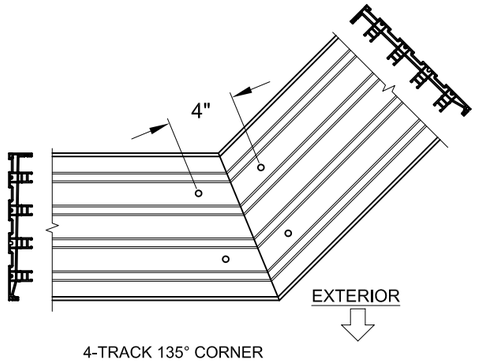
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



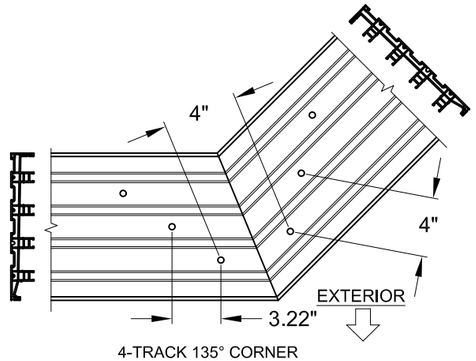
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

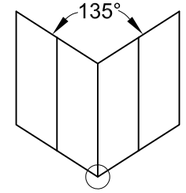


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



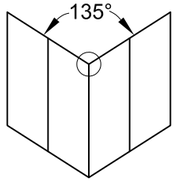
4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

FIGURES PERTAIN TO THE FOLLOWING 135° CORNER SILL ANCHOR LOCATIONS:



Head/Sill	C3+1
Jamb	5
P-hook	7

FIGURES PERTAIN TO THE FOLLOWING 135° CORNER HEAD ANCHOR LOCATIONS:



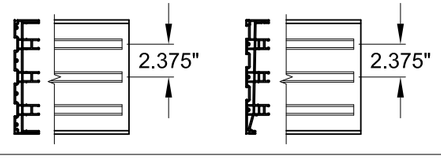
Head/Sill	C3+1
Jamb	5
P-hook	7

NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:



PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami–Dade Product Control

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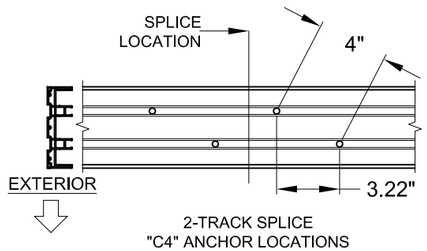
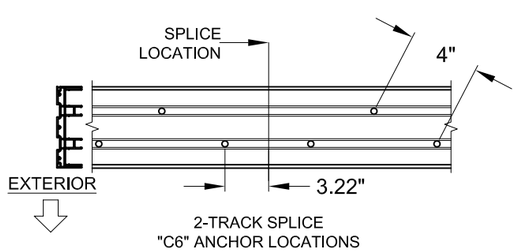
Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	ANCHOR LOCATIONS E				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	16 OF 22	DWG No.	MD-7650.0	Rev. No.	D

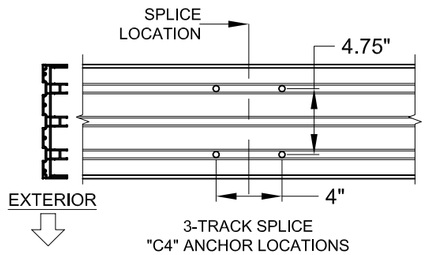
HEAD SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:



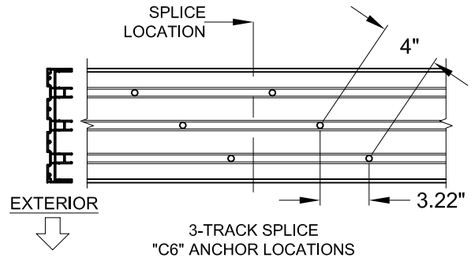
2-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



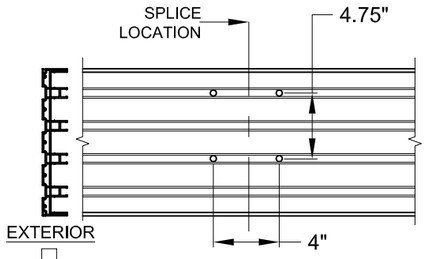
2-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



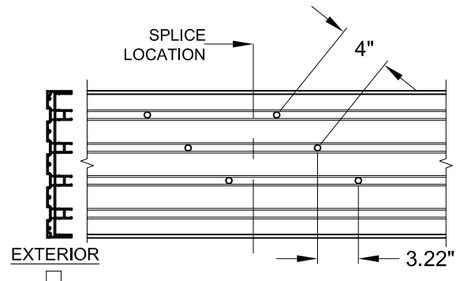
3-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

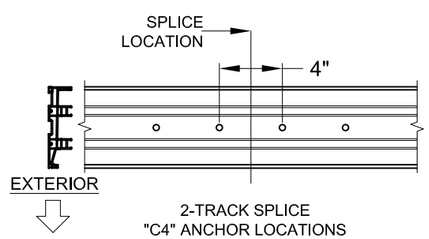


4-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

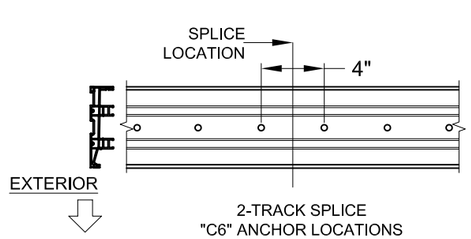


4-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

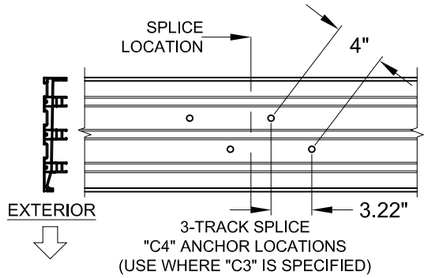
SILL SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:



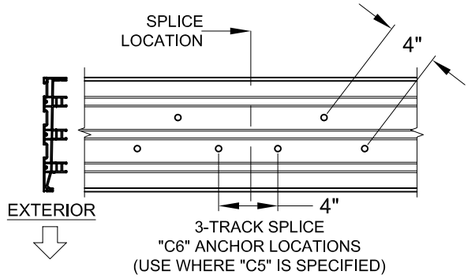
2-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



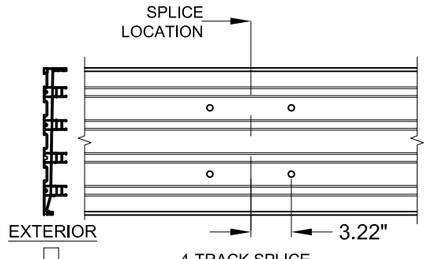
2-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



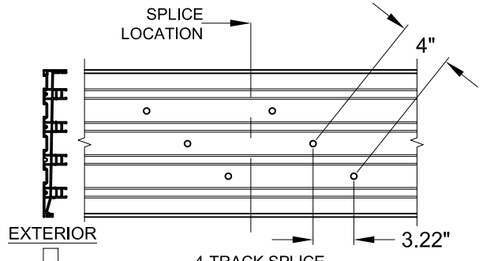
3-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

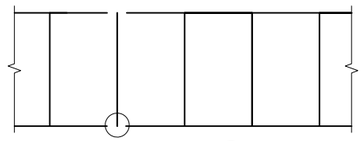


4-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



4-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

FIGURES PERTAIN TO THE FOLLOWING SPLICED SILL ANCHOR LOCATIONS:



Head/Sill	C3+1
Jamb	5
P-hook	7

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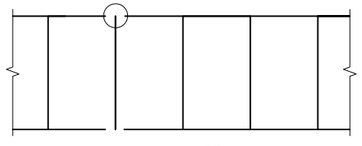
FIGURES PERTAIN TO THE FOLLOWING SPLICED HEAD ANCHOR LOCATIONS:

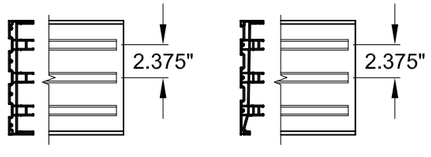


Head/Sill	C3+1
Jamb	5
P-hook	7

NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) ABOVE FIGURES ARE FOR SPLICES OCCURRING AT THE ASTRAGAL OR INTERLOCK. FOR SPLICES OCCURRING INSIDE OF A POCKET, SEE THE EXAMPLE ON SHEET 9.

3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:



4) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

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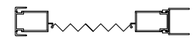
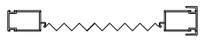
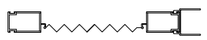
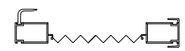
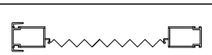
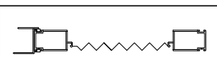
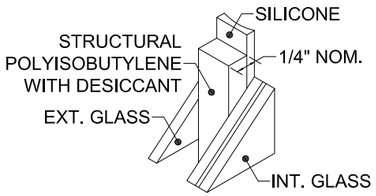
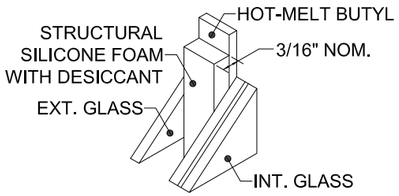
Series	SGD-7650	Scale	NTS	Sheet	17 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PANEL TYPES (INTERIOR OR EXTERIOR GLAZED)		PANEL'S RIGHT STILE TYPE									
		SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	OUTSIDE 90° ASTRAGAL RECEIVER	INSIDE 90° ASTRAGAL RECEIVER	OUTSIDE 135° ASTRAGAL RECEIVER	INSIDE 135° ASTRAGAL RECEIVER
PANEL'S LEFT STILE TYPE	SINGLE INTERLOCK OUT		F	PP	K	L (BOX OUT)	L (BOX IN)	TC	TA	TV	TW
	SINGLE INTERLOCK IN	B	E	P	A	C (BOX OUT)	C (BOX IN)	SC	SA	SV	SW
	FIXED STILE	RR	R			S (BOX OUT)	S (BOX IN)	FC	FD	FV	FW
	LOCKSTILE W/ HANDLE	D	M			J (BOX OUT)	J (BOX IN)				
	ASTRAGAL BOX OUT	LR (BOX OUT)		T (BOX OUT)	U (BOX OUT)						
	ASTRAGAL BOX IN		N (BOX IN)	T (BOX IN)	U (BOX IN)						
	OUT. 90° ASTRAGAL RECEIVER	CT	CS	CF							
	IN. 90° ASTRAGAL RECEIVER	AT	AS	DF							
	OUT. 135° ASTRAGAL RECEIVER	VT	VS	VF							
	IN. 135° ASTRAGAL RECEIVER	WT	WS	WF							

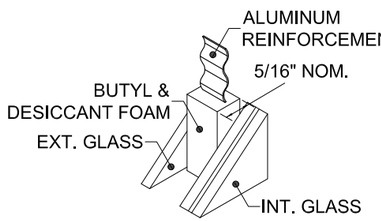
SCREEN PANEL TYPES			
C	DOUBLE INTERLOCK		ASTRAGAL
M	LOCKSTILE		DOUBLE INTERLOCK
J	LOCKSTILE		ASTRAGAL
SD	SINGLE INTERLOCK		DOUBLE INTERLOCK
A	DOUBLE INTERLOCK		LOCKSTILE
U	ASTRAGAL		LOCKSTILE
DS	DOUBLE INTERLOCK		SINGLE INTERLOCK



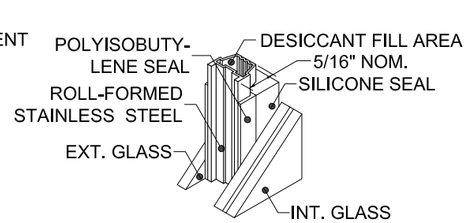
(72) KODISPACE 4SG TPS



(73) SUPER SPACER® NXT™



(74) DURASEAL® SPACER



(75) XL EDGE™ SPACER

PANEL TYPE "F" SHOWN.

PANEL NOTES:

1) SEE DP/ANCHOR TABLES 1-3, SHEETS 7-9 FOR PANEL SIZES & DESIGN PRESSURE.

2) PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.

3) MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".

4) PANEL TYPE MAY BE EITHER EXTERIOR (STANDARD) OR INTERIOR GLAZED, BOTH TYPES QUALIFIED BY THIS APPROVAL, SEE DETAILS SHEET 11.

Impact Resistant Windows & Doors
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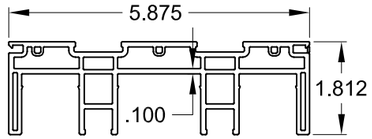
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

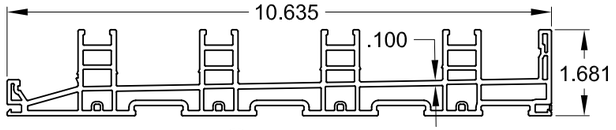
Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	PANEL TYPES				Drawn By		J ROSOWSKI
Rev	MOVED SPACERS TO THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	18 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuela Perez
Miami-Dade Product Control

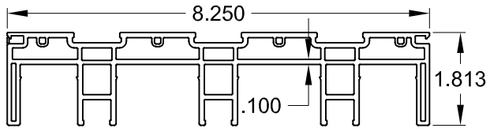
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E., P.E.# 58705



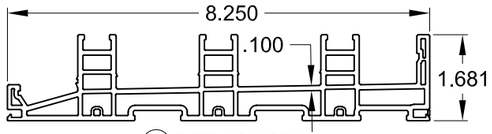
1 2 TRACK HEAD/JAMB



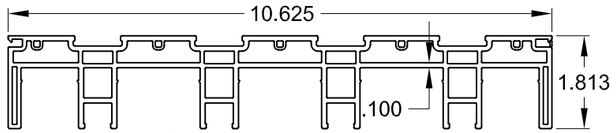
6 4 TRACK SILL



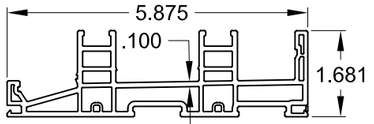
3 3 TRACK HEAD/JAMB



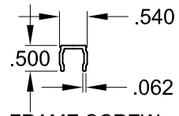
4 3 TRACK SILL



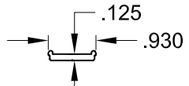
5 4 TRACK HEAD/JAMB



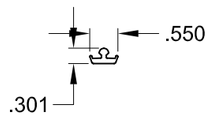
2 2 TRACK SILL



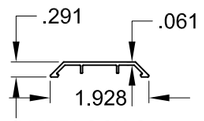
7 FRAME SCREW COVER (PVC)



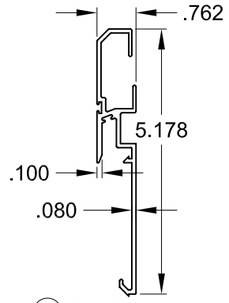
8 ANCHOR PLATE



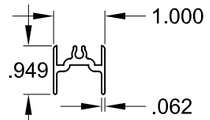
9 TRACK INSERT



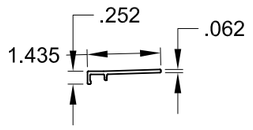
10 INTERLOCK CAP, EXTENDED POCKET



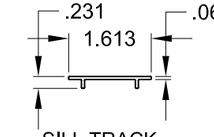
18 P-HOOK



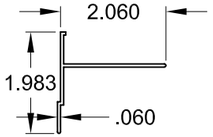
11 BOTTOM RAIL SUPPORT



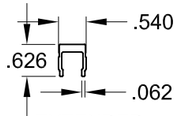
12 OUTER SILL COVER



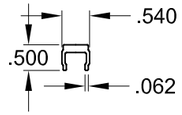
13 SILL TRACK COVER



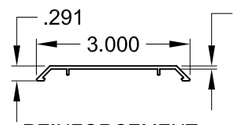
17 P-HOOK ADAPTOR



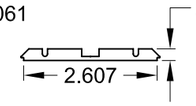
19 EXTENDED KEEPER



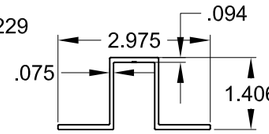
20 KEEPER



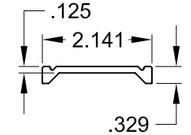
21 REINFORCEMENT BAR COVER



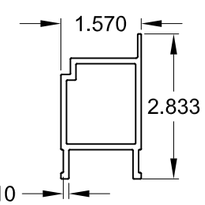
22 REINFORCEMENT BAR



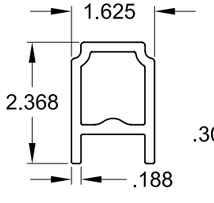
23 FIXED PANEL CLIP



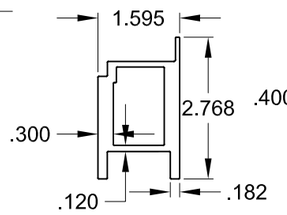
24 REINFORCEMENT PLATE



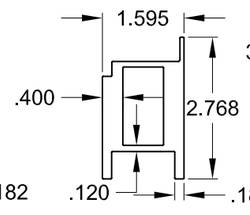
25 TOP, BOTTOM AND STILE REINFORCEMENT



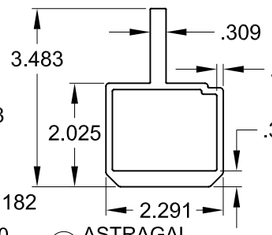
26 TOP, BOTTOM AND STILE COMPOSITE REINFORCEMENT



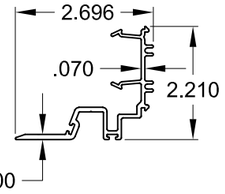
27 INTERLOCK .300 REINFORCEMENT, STANDARD



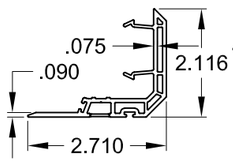
28 INTERLOCK .400 REINFORCEMENT, HEAVY-DUTY



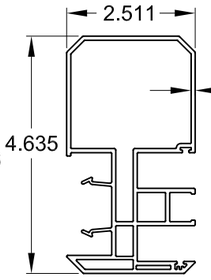
29 ASTRAGAL REINFORCEMENT



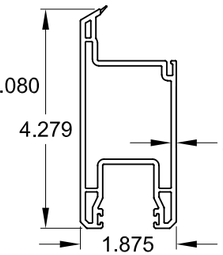
30 EXTENDED POCKET INTERLOCK ADAPTER



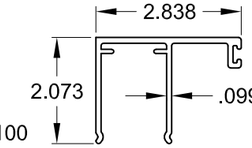
31 INTERLOCK ADAPTER



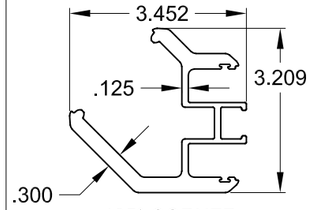
32 ASTRAGAL ADD-ON



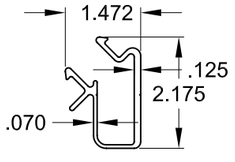
33 PANEL STILE, TOP AND BOTTOM RAIL



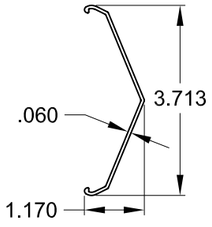
34 INTERIOR JAMB COVER



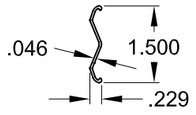
35 135° CORNER ASTRAGAL



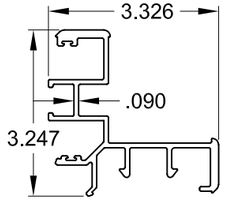
36 135° CORNER PASSIVE MOUNT



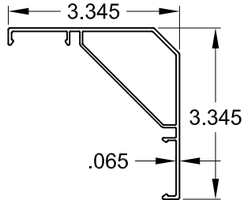
37 135° CORNER ASTRAGAL CAP, EXTERIOR



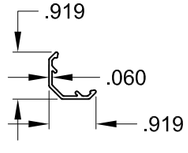
38 135° CORNER ASTRAGAL CAP, INTERIOR



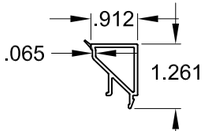
39 90° CORNER ASTRAGAL



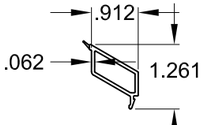
40 90° CORNER ASTRAGAL CAP, EXTERIOR



41 90° CORNER ASTRAGAL CAP, INTERIOR



80 7/16" SQUARE BEAD



81 7/16" BEVELED BEAD

82 1-1/16" BEVELED BEAD

83 1-1/16" OGEE BEAD

84 1-3/16" OGEE BEAD

NOTES:

1) SEE SHEET 4 FOR SILL RISERS.

2) SEE SHEET 20 FOR SCREEN PARTS.

3) ALL DIMENSIONS IN INCHES.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

ANTHONY LYNN MILLER
LICENSE
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A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER
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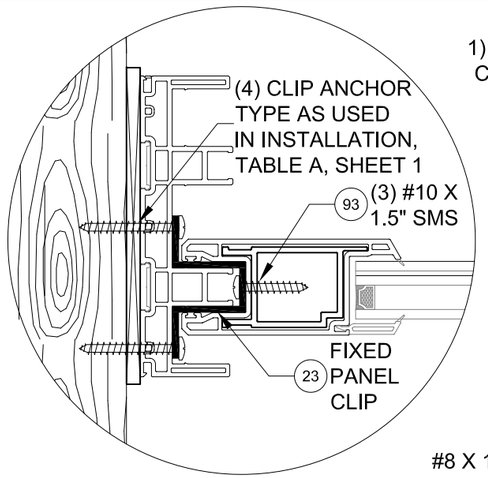
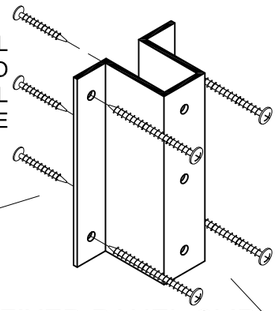
PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	EXTRUSIONS				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.				Rev Date		04/04/22
Rev					Rev Date		
Series	SGD-7650	Scale	NTS	Sheet	19 OF 22	DWG No.	MD-7650.0	Rev. No.	D



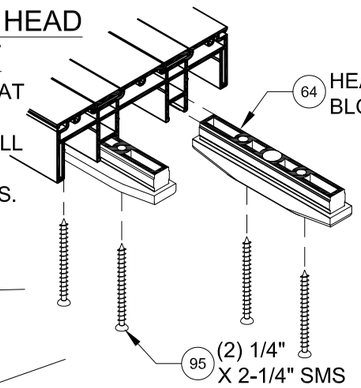


23 FIXED PANEL CLIP

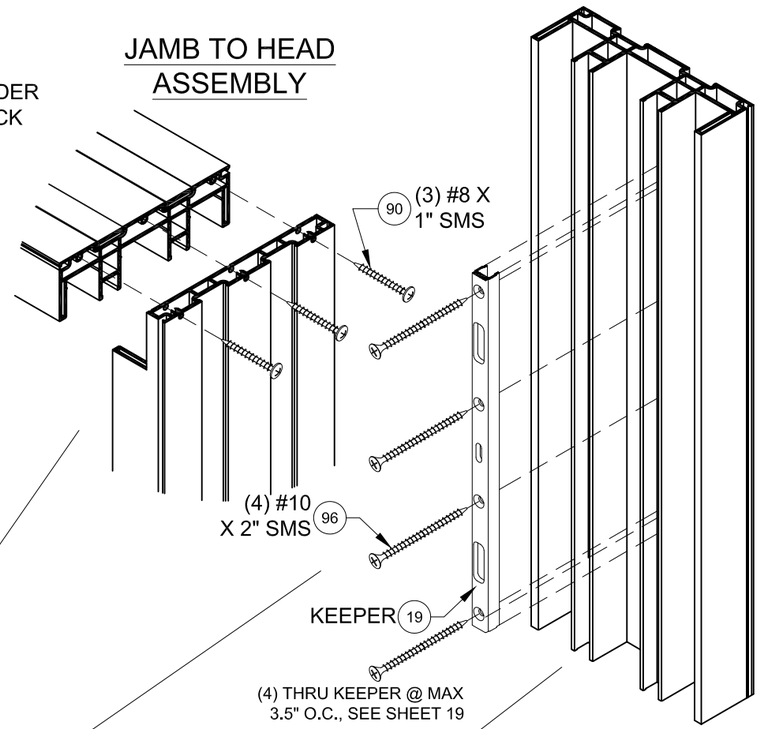
INSTALL ONE CLIP AT THE MIDSPAN OF EACH FIXED PANEL-TO-FRAME JAMB LOCATION.

HEADER BLOCK TO HEAD ATTACHMENT

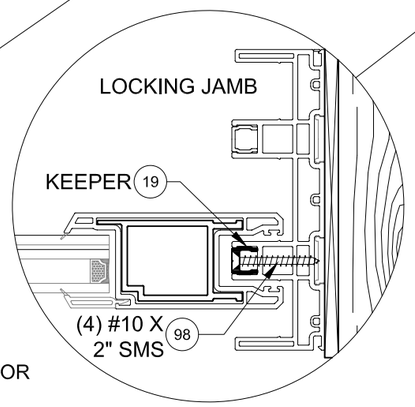
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.

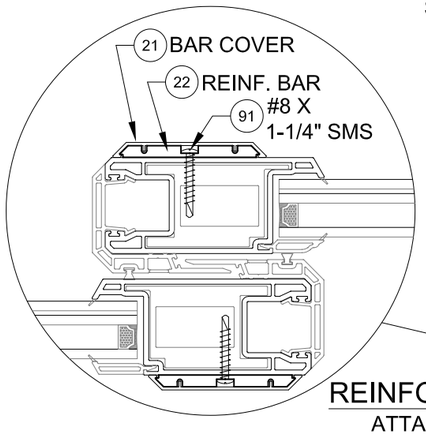


JAMB TO HEAD ASSEMBLY



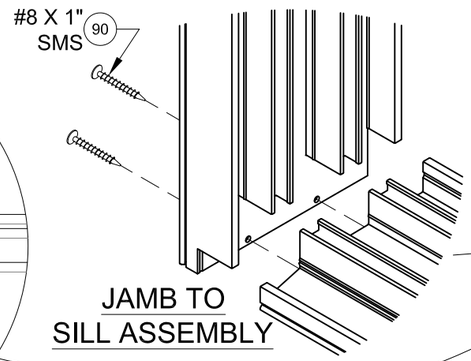
KEEPER TO JAMB ATTACHMENT





REINFORCEMENT PLATE

ATTACH WITH #8 X 1-1/4" @ 34-1/2" MAX O.C.

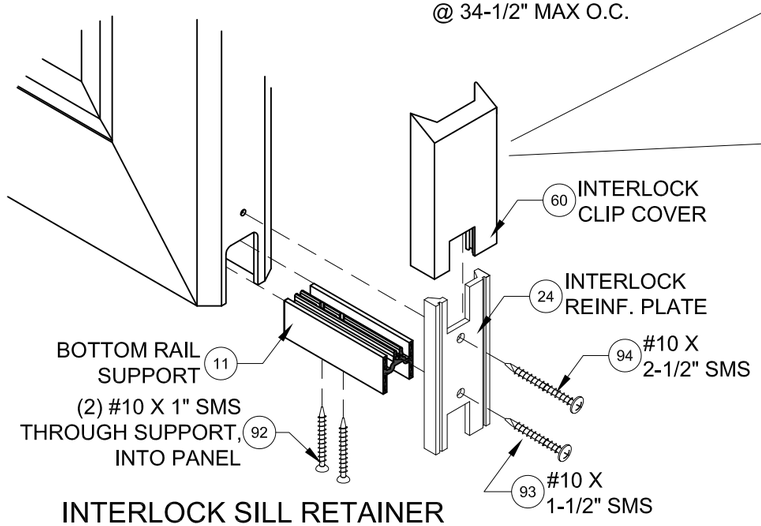


JAMB TO SILL ASSEMBLY

4-PANEL, 2-TRACK
OXXX SHOWN

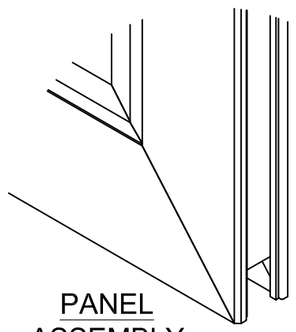
INTERIOR

EXTERIOR



INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK



PANEL ASSEMBLY

ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS

NOTES

1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 12-17 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 1-3 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

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REGISTRATION #29296

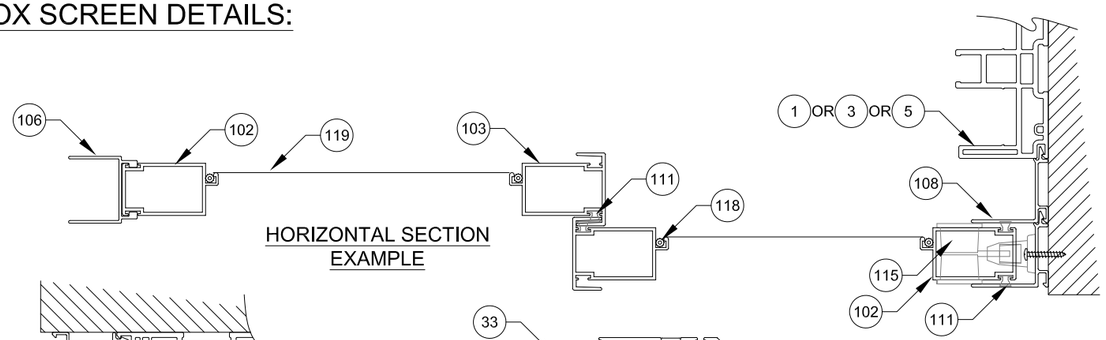
Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	ACCESSORIES INSTALLATION			Drawn By	J ROSOWSKI		
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	20 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
as complying with the Florida Building Code
NOA No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

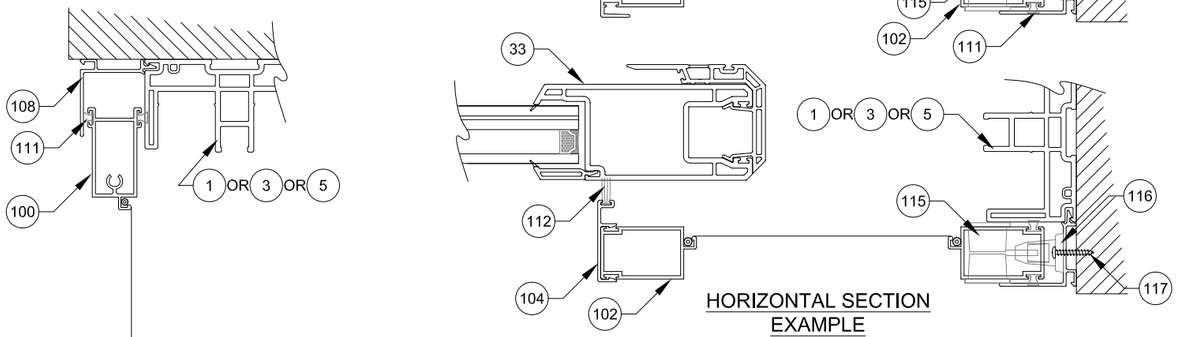
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. Lynn Miller
04/04/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

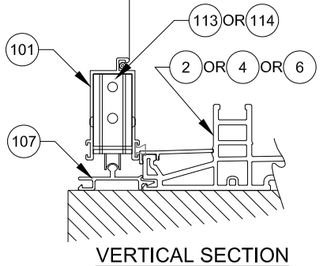
BOX SCREEN DETAILS:



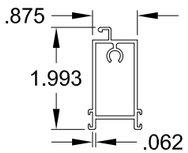
HORIZONTAL SECTION EXAMPLE



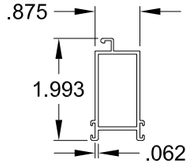
HORIZONTAL SECTION EXAMPLE



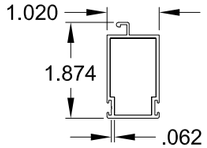
VERTICAL SECTION EXAMPLE



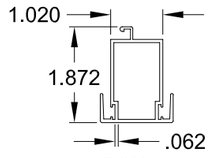
100 BOX SCREEN TOP RAIL



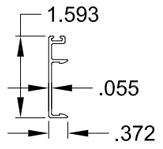
101 BOX SCREEN BOTTOM RAIL



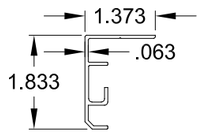
102 BOX SCREEN SIDE RAIL



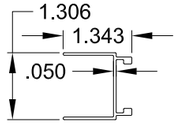
103 BOX SCREEN INTERLOCK



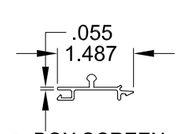
104 BOX SCREEN SNAP-ON BUG FLAP



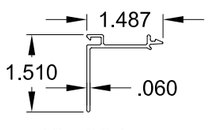
105 BOX SCREEN OXO ASTRAGAL ADAPTER



106 BOX SCREEN ASTRAGAL ADAPTER

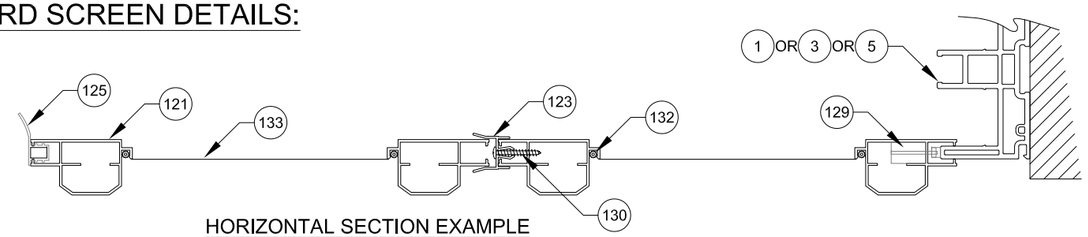


107 BOX SCREEN SILL ADD-ON

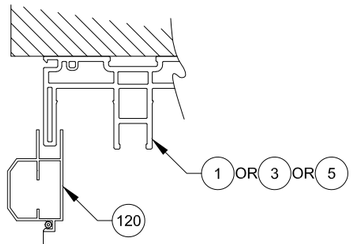


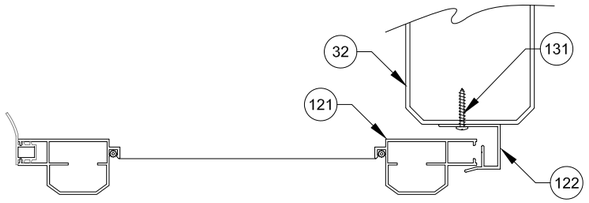
108 BOX SCREEN HEAD AND JAMB ADD-ON

STANDARD SCREEN DETAILS:

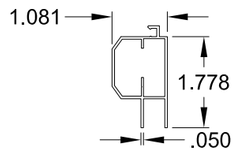


HORIZONTAL SECTION EXAMPLE

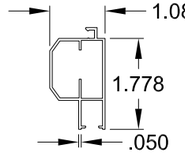




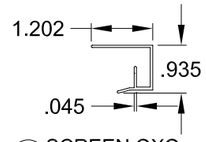
HORIZONTAL SECTION EXAMPLE



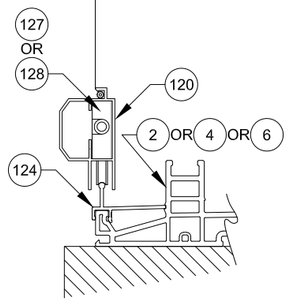
120 SCREEN FRAME RAIL



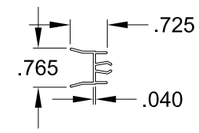
121 SCREEN SIDE RAIL, LATCH



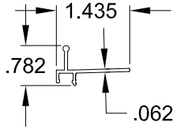
122 SCREEN OXO ASTRAGAL ADAPTER



VERTICAL SECTION EXAMPLE



123 SCREEN VINYL ASTRAGAL ADAPTER



124 FRAME SILL SCREEN ADD-ON

NOTES:
1) ALL DIMENSIONS IN INCHES.

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 22-0412.08
Expiration Date: 04/14/2026
By: Manuel Perez
Miami-Dade Product Control

Impact Resistant Windows & Doors
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(305) 593-6590

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	SCREEN DETAILS				Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.					Rev Date	04/04/22
Rev						Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	21 OF 22	DWG No.	MD-7650.0	Rev. No.	D

ANTHONY LYNN MILLER LICENSE No. 58705 A. Lynn Miller 04/04/22 STATE OF FLORIDA PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E., P.E.# 58705

TABLE C:

#	Part #	Description	Material
1	19001	2-Track Head/Jamb	Rigid PVC
2	19002	2-Track Sill	Rigid PVC
3	19025	3-Track Head/Jamb	Rigid PVC
4	19026	3-Track Sill	Rigid PVC
5	19027	4-Track Head/Jamb	Rigid PVC
6	19028	4-Track Sill	Rigid PVC
7	19009	Frame Screw Cover	Rigid PVC
8	19031	Anchor Plate	6063-T6 Alum.
9	19007	Track Insert	6063-T6 Alum.
10	19084	Interlcck Cap - Extended Pocket	Rigid PVC
11	19036	Bottom Rail Support	6063-T6 Alum.
12	19006A	Outer Sill Cover	6063-T6 Alum.
13	19011	Sill Track Cover	Rigid PVC
17	19032	P-Hook Adapter	6063-T6 Alum.
18	19020	P-Hook	6063-T6 Alum.
19	19047M	Extended Keeper	6063-T6 Alum.
20	19029M	Keeper	6063-T6 Alum.
21	19014	Reinforcement Bar Cover	Rigid PVC
22	19030	Reinforcement Bar	6005-T5 Alum.
23	19037M	Fixed Panel Clip	6063-T6 Alum.
24	19035M	Reinforcement Plate	6063-T6 Alum.
25	19017M	Top Rail, Bottom Rail and Lockstile Reinforcement	6005-T5 Alum.
26	19046		Composite
27	19018M	Interlcck .300 Reinforcement, Std.	6005-T5 Alum.
28	19013M	Interlcck .400 Reinforcement, HD	6005-T5 Alum.
29	19019M	Astragal Reinforcement	6005-T5 Alum.
30	19083	Extended Pocket Interlock Adaptor	6063-T6 Alum.
31	19005	Interlcck Adaptor	Rigid PVC
32	19008	Astragal Add-on	Rigid PVC
33	19004	Panel Stile, Top/Bottom Rail	Rigid PVC
34	19040	Interior Jamb Cover	6063-T6 Alum.
35	19076	135° Corner Astragal	6063-T6 Alum.
36	19077	135° Corner Astragal Passive Mount	6063-T6 Alum.
37	19079	135° Corner Astragal Cap - Ext.	Rigid PVC
38	19080	135° Corner Astragal Cap - Int.	Rigid PVC
39	19078	90° Corner Astragal	6063-T6 Alum.
40	19081	90° Corner Astragal Cap - Ext.	Rigid PVC
41	19082	90° Corner Astragal Cap - Int.	Rigid PVC

#	Part #	Description	Material
42	19085	Sill Riser - (2-1/2")	6063-T6 Alum.
43	19022A	Sill Riser - (3-1/2")	6063-T6 Alum.
44	19023A	Sill Riser - (4-1/16")	6063-T6 Alum.
45	19024A	Sill Riser - (4-5/8")	6063-T6 Alum.
50	718609W	.187" x .320" Finseal (Stile)	
51	71695K	1-1/2" x 1" x 3/4" Fin Seal Dust Plug	
52	71696	Dust Plug	
60	419041	Interlock Clip Cover	PVC
61	78153X	Tandem Roller Assembly	SS
62	78153N	Tandem Roller Assembly	Nylon
63	78X75FPTX	#8 x 3/4" Ph. FH SMS @ Roller & Reinf.	SS
64	419042	Frame Header Block	Nylon
65	48052	Roller Adj. Hole Plug	PVC
66	44385	4 Hole Bumper Stop	PVC
67	76X114FPTX	#6 x 1-1/4" Ph. FH SMS @Bumper Stop	SS
68	71696G	Sill Plug	PVC
69	78185X	Gemini Mortise Lock w/long Trim plate	Steel/SS
70	71032X1FPFX	10-32 x 1" Ph.FH MS @ Lock	SS
71	varies	Handle Kit	Cast Zinc
72	19054	Interlock Retainer Clip	Nylon
75		Kommerling 4SG TPS Spacer System	See Sheet 10 for Materials
76		Quanex Super Spacer nXT with Hot Melt Butyl	
77		Quanex Duraseal	
78		Cardinal XL Edge Spacer	
79		Dow 791, 983, 995 or GE-7700 Backbedding	Silicone
80	19090	7/16" Square Bead	Rigid PVC
81		7/16" Beveled Bead	Rigid PVC
82	19044	1-1/16" Beveled Bead	Rigid PVC
83	19045	1-1/16" Ogee Bead	Rigid PVC
84	19016	1-3/16" Ogee Bead	Rigid PVC
85	71725K	Setting Block 1/2" x 4" x 1/16", 85 +/- 5 duro.	Neoprene
86	71726K	Setting Block 1" x 4" x 1/16", 85 +/- 5 duro.	Neoprene
90	781PSTX	#8 x 1" Ph. PH SMS @ Frame Assembly	SS
91	78X114PHPT410X	#8 x 1-1/4" Ph. PH SMS @ Reinf. Bar	SS
92	710X1PHPT18-8X	#10 x 1" Ph. PH SMS @ Rail Support	SS
93	710X115PPX	#10 x 1-1/2" Ph. PH SMS @ Fxd. Pnl. Clip	SS
94	710X2.5PHPT18-8X	#10 x 2-1/2" Ph. PH SMS @ Reinf. Plate/Ast.	SS
95	71420X2.25FPFX	#12 x 2-1/4" Ph. PH SMS @ Hdr. Block	SS
96	710X1.75PPX	#10 x 1-3/4" Ph. FH SMS @ Ast. Mount	SS
97	710X34PPX	#10 x 3/4" Ph. PH SMS @ Ext. Pkt. Int.	SS
98	710X2PPX	#10 x 2" Ph. FH SMS @ Keeper	SS

TABLE D: BOX SCREEN

#	Part #	Description	Material
100	12256	Box Screen Top Rail	6063 T5 Al
101	12257	Box Screen Bottom Rail	6063 T5 Al
102	12258	Box Screen Side Rail	6063 T5 Al
103	64428	Box Screen Interlock	6063 T6 Al
104	17347A	Box Screen Snap-on Bug Flap	6063 T6 Al
105	64345	Box Screen OXO Astragal Adapter	6063 T6 Al
106	17349	Box Screen Astragal Adapter	6063 T5 Al
107	19039	Box Screen Frame Sill Add-on	6063 T6 Al
108	19038	Box Screen Head/Jamb Add-on	6063 T6 Al
109	720X1X	#14-20 x 1" MS @ Top Rail	SS
110	720X112X	#14-20 x 1-1/2" MS @ Bottom Rail	SS
111	71793G	Wstp, .270" x .150" - Fin Seal	
112	61805K	Wstp, .187" x .500" @ Bug Flap	
113	7SRAZ	Standard Roller	Nylon
114	7SRAX	HD Roller	SS
115	varies	Screen Locking Hardware	Steel
116	419053	Screen Keeper	Steel
117	76X1PPA	#6 x 1" Ph. PH SMS	Steel
118	1692/3/4	Screen Spline - .150" & .165"	Vinyl
119	1816C20	Screen Cloth	Fiberglass

TABLE E: STANDARD SCREEN

#	Part #	Description	Material
120	12033	Screen Frame Rail	6063 T5 Al
121	12026A	Screen Frame - Side Rail (Latch)	6063 T5 Al
122	17363	Screen OXO Astragal Adapter	6063 T6 Al
123	4853K	Screen Vinyl Astragal Adapter	Rigid PVC
124	19012B	Frame Sill Screen Add-on	6063 T6 Al
125	6FP95K	Bug Flap, 85 +/- 5 duro.	Vinyl
126	78X112PSATS	#8 x 1-1/2" Ph. PH SMS (Assembly)	SS
127	712027	Corner Key Wheel Assembly (Standard)	Nylon
128	712027SS	Corner Key Wheel Assembly (HD)	SS
129	varies	Screen Locking Hardware	Steel
130	710X34PPSDAX	#10 x 3/4" Ph. PH SMS @ Screen Ast.	SS
131	78X12PPSMSX	#8 x 1/2" Ph. PH SMS @ Door Ast.	SS
132	1692/3/4	Screen Spline - .145"	Vinyl
133	1816C20	Screen Cloth	Fiberglass

NOTES:

1) ITEMS #14-16, 46-49, 53-59, 73, 74 & 87-89 & 99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

TABLE F:

Material	Min. F_y	Min. F_u
#12 Steel Screw	92 ksi	120 ksi
#12 410 Screw	90 ksi	110 ksi
1/4" DeWalt/Elco Aggre-Gator®	57 ksi	96 ksi
1/4" Elco UltraCon®	155 ksi	177 ksi
1/4" DeWalt UltraCon+®	148 ksi	164 ksi
1/4" 410 SS DeWalt/Elco CreteFlex®	127.4 ksi	189.7 ksi
6063-T5 Aluminum	16 ksi	22 ksi
A36 Steel	36 ksi	58 ksi
Gr. 33 Steel Stud	33 ksi	45 ksi

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PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275; (941) 480-1600
REGISTRATION #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)							Date	10/05/15
Desc.	PARTS LIST						Drawn By		J ROSOWSKI
Rev	NO CHANGES THIS SHEET.							Rev Date	04/04/22
Rev								Rev Date	
Series	SGD-7650	Scale	NTS	Sheet	22 OF 22	DWG No.	MD-7650.0	Rev. No.	D

PRODUCT REVISED
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ANTHONY LYNN MILLER
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No. 58705
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STATE OF FLORIDA
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