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

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

NOTICE OF ACCEPTANCE (NOA)

CGI Windows & Doors
10100 N. W. 25th Street
Miami, FL 33172

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)-L.M.I.

APPROVAL DOCUMENT: Drawing No. **SGD-7650**, titled "Vinyl Sliding Glass Door NOA (LM)", sheets 1 through 21 of 21, prepared by manufacturer, dated 10/05/15, signed and sealed by Anthony L. Miller, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and approval 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) and table 2 (sheet 8) of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements types, glass types, sill riser (detail sheet 4) and anchor requirements.**
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 and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

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

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 and renews NOA #15-0409.06** and consists of this page 1, and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jorge M. Plasencia, P.E.**

MIAMI-DADE COUNTY APPROVED 2/25/14

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
   (Submitted under NOA No. 11-0107.04)
2. Drawing No. **SGD-7650**, titled "Vinyl SGD", sheets 1 through 21 of 21, prepared by manufacturer, dated 10/05/15, signed and sealed by Anthony L. Miller, P.E

B. TESTS

1. Test report on 1) Uniform Static Air Pressure Test, 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 vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 8717**, dated 12/07/15, signed and sealed by Idalmis Ortega, P. E. (Test report revised on 02/15/16 and 02/24/16)

   (Submitted under NOA No. 15-1210.01)
2. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94

   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 8546**, dated 11/06/15, signed and sealed by Idalmis Ortega, P. E. (Test report revised on 01/04/16 and 02/11/2016)

   (Submitted under NOA No. 15-1210.01)
3. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94

   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 8547**, dated 12/04/15, signed and sealed by Idalmis Ortega, P. E. (Test report revised on 02/15/16)

   (Submitted under NOA No. 15-1210.01)
4. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-1210.03
Expiration Date: April 14, 2021
Approval Date: March 3, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continued)

along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 8548**, dated 12/04/15, signed and sealed by Idalmis Ortega, P. E. (Test report revised on 01/04/16 and 02/11/16)

(Submitted under NOA No. 15-1210.01)

5. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94

   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 8549**, dated 11/06/15, signed and sealed by Idalmis Ortega, P. E. (Test report revised on 12/04/15 and 02/11/16)

   (Submitted under NOA No. 15-1210.01)

6. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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 vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 8552**, dated 12/04/15, signed and sealed by Idalmis Ortega, P. E. (Test report revised on 02/15/2016)

   (Submitted under NOA No. 15-1210.01)

7. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, 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, TAS 202-94

   along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, 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)

8 Additional test report No. **FTL 6637** (samples A-1 thru A-5) per TAS 202-94, issued by Fenestration Testing Lab, Inc., dated 12/06/10, signed and sealed by Jorge A. Causo, P. E.

(Submitted under NOA No. 11-0107.09)

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-1210.03
Expiration Date: April 14, 2021
Approval Date: March 3, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014, prepared by PGT, dated 12/09/15 and last revised on 02/15/16, signed and sealed by Anthony L. Miller, P.E. ***(Submitted under NOA No. 15-1210.01)***
2. Glazing complies with ASTME-1300-02, -04 & -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **15-0528.14** issued to Vision Extrusion Ltd for their "**White Rigid PVC**", expiring on 09/30/19.
2. Notice of Acceptance No. **15-0528.11** issued to Vision Extrusion Ltd for their "**VE 1000 Tan (Non-White) Rigid PVC**", expiring on 12/29/16.
3. Notice of Acceptance No. **15-0528.15** issued to Vision Extrusion Ltd for their "Brown Coated (Painted or Laminated) **White Rigid PVC**", expiring on 09/30/19.
4. Test reports No(s). 10-002-792(A), 10-06-M0527, 535753-09, per ASTME-84, ASTMD1929 and ASTMD-635, issued by EXOVA to Vision Extrusion for cellulosic composite material. ***(Submitted under NOA No. 11-0107.04)***
5. Notice of Acceptance No. **14-0916.11** issued to Kuraray America., Inc. for their "**Sentry Glass ® (Clear and White) Interlayer**", expiring on 07/04/18.
6. Notice of Acceptance No.**14-0916.10** issued to Kuraray America, Inc. for their "**Butacite PVB Interlayer**", expiring on 12/11/16.

F. STATEMENTS

1. Statement letters dated 12/09/15 indicating compliance to FBC 2014 (5th Edition) and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E. ***(Submitted under NOA No. 15-1210.01)***
2. Private labeling agreement document in conformance of RER guideline dated 02/15/16.
3. Letter of lab compliance, part of the above test reports.

G. OTHER

1. Notice of Acceptance No. **15-0409.06**, issued to CGI Windows and Doors, for their Series "**7600" Vinyl Sliding Glass Door (Reinforced) – LM.I.**", approved on 06/18/15 and expiring on 04/14/16.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-1210.03
Expiration Date: April 14, 2021
Approval Date: March 3, 2016

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

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.
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.
6) REFERENCES (NOA'S): ELCO ULTRACON, CRETEFLEX & AGGREGATOR ANCHOR NOA'S, 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; 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 VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE 2014 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.
10) THE 7650 SERIES SLIDING GLASS DOOR MAY ALSO BE KNOWN AS THE 7600 SERIES.

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 INSTAL- LATION 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 OR 2, 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 OR 2), 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 9.

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	9/16"	1-3/8"
			P-hook	9/16"	1-3/8"
		Aluminum, 6063-T5* (0.125" min. thickness)	Head/Sill/Jamb	3/8"	1/8"
			P-hook	3/8"	1/8"
		Steel, A36* (0.060" min. thickness)	Head/Sill/Jamb	3/8"	0.060"
			P-hook	3/8"	0.060"
		Steel Stud, A653 Gr. 33* (0.071" min. thickness)	Head/Sill/Jamb	3/8"	0.071" (14 Ga.)
			P-hook	3/8"	0.071" (14 Ga.)
	1/4" Elco Ultracon	P.T. Southern Pine (SG=0.55)	Jamb	1"	1-3/8"
			P-hook	1"	1-3/8"
	1/4" Elco 410 S.S. CreteFlex	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
			P-hook	1"	1-3/8"
B	#12, steel wood screw (G5)	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"	1-3/8"
			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	1"	1-1/4"
			P-hook	1"	1-1/4"
	1/4" Elco 410 S.S. CreteFlex	Ungrouted CMU, (ASTM C-90)	Jamb	1-3/4"	1-1/4"
			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" Elco 18-8 S.S. Aggre-Gator	Concrete (min. 2.22 ksi)	Head/Sill/Jamb	1-1/2"	1-3/8"
			P-hook	1-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb	2"	1-1/4"
			P-hook	2"	1-1/4"
		P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"
			P-hook	1"	1-3/8"
D	1/4" Elco Ultracon	Concrete (min. 2.85 ksi)	Head/Sill/Jamb	2-1/2"	1-3/8"
			P-hook	2-1/2"	1-3/8"
		Ungrouted CMU, (ASTM C-90)	Jamb	2-1/2"	1-1/4"
			P-hook	2-1/2"	1-1/4"
	1/4" 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	2-1/2"	1-1/4"
			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.

FOR STEEL STUDS, MIN. FU=45 KSI & MIN. FY=33 KSI.

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

IMPACT RATING
RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

DESIGN PRESSURE RATING
SEE TABLES 1, 2 & B1, B2 ON SHEETS 7 & 8

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

STANDARDS USED:
2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
ASTM E1300-09
ANSI/AF&PA NDS-2012 FOR WOOD CONSTRUCTION
ALUMINUM DESIGN MANUAL, ADM-2010
AISI-S100-07/S2-2010

GENERAL NOTES..... 1
EXAMPLE CONFIGS..... 2
INSTALL DETAILS..... 3-6
DP/ANCHOR TABLES..... 7-8
EXAMPLE..... 9
GLAZING DETAILS..... 10
ANCHOR LOCATIONS..... 11-16
PANEL TYPES..... 17
EXTRUSIONS..... 18
ACCESSORIES..... 19
SCREEN DETAILS..... 20
PARTS LIST..... 21

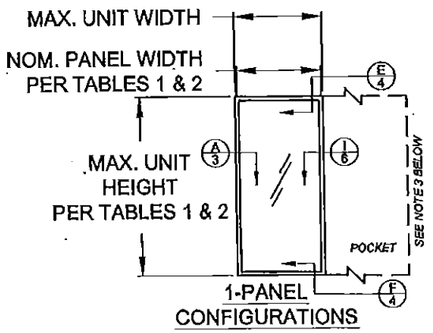
Impact Resistant Windows & Doors
WE'RE STRONGER™
10100 N.W. 25th Street
Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

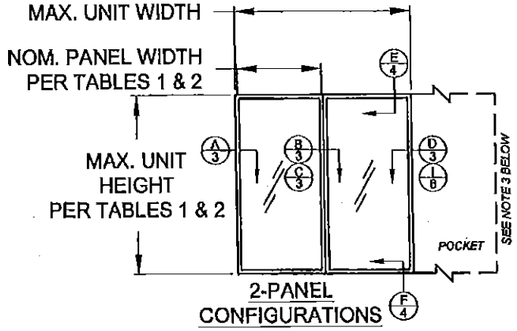
Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	GENERAL NOTES		Drawn By	J ROSOWSKI	
Rev A			Rev A Date		
Rev B			Rev B Date		
Series	SGD-7650	Scale NTS	Sheet 1 OF 21	DWG No. MD-7650.0	Rev. No.

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/15/16

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



1-PANEL CONFIGURATIONS



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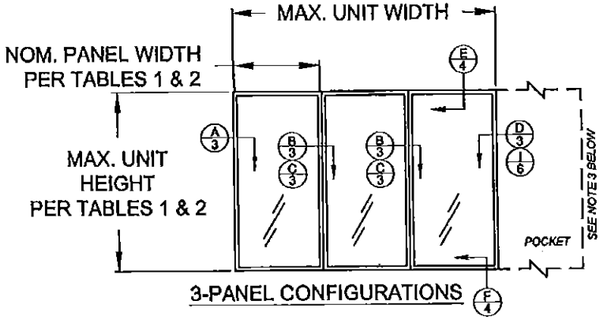

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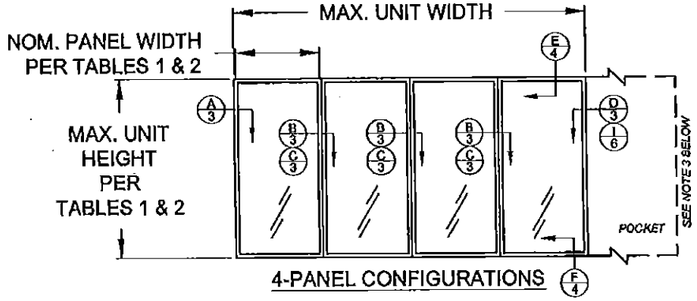

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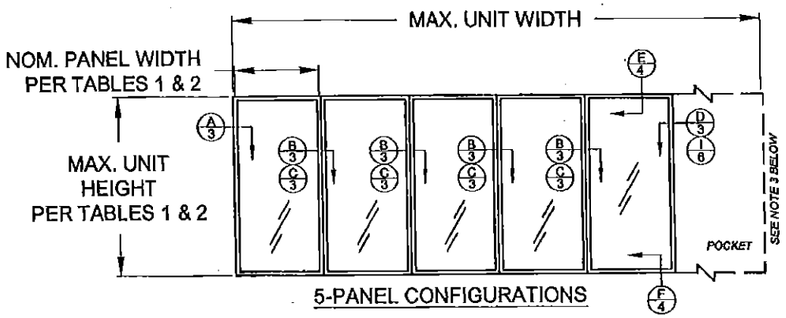

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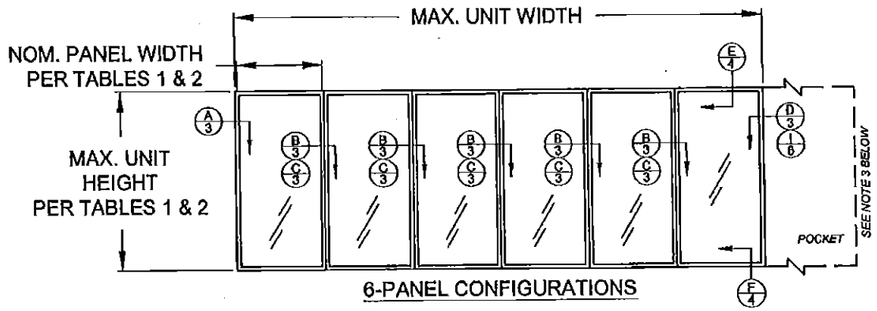

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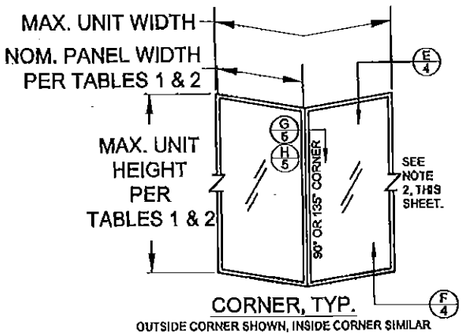
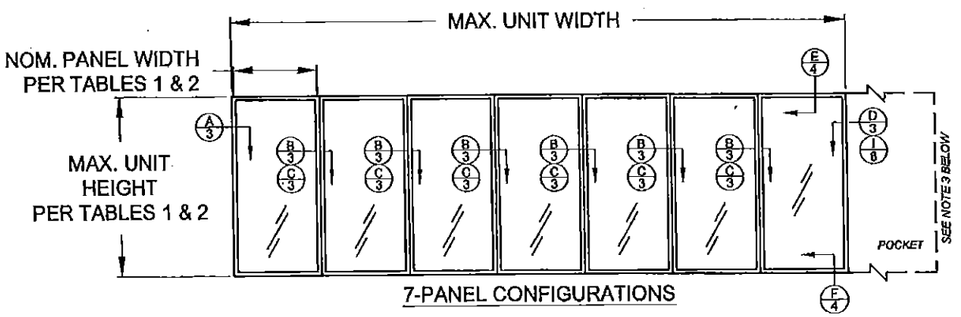


CORNER, TYP.
OUTSIDE CORNER SHOWN, INSIDE CORNER SIMILAR



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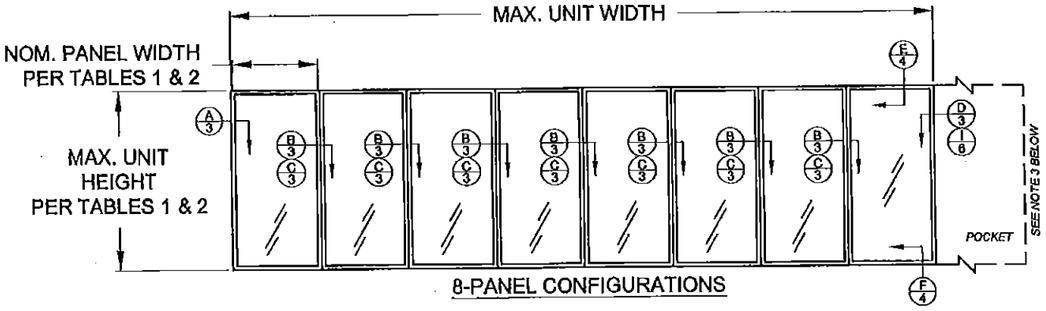

8-PANEL CONFIGURATIONS

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

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 & 2.

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 - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

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1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Descr.	EXAMPLE CONFIGURATIONS			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	2 OF 21
DWG No.	MD-7650.0	Rev. No.			

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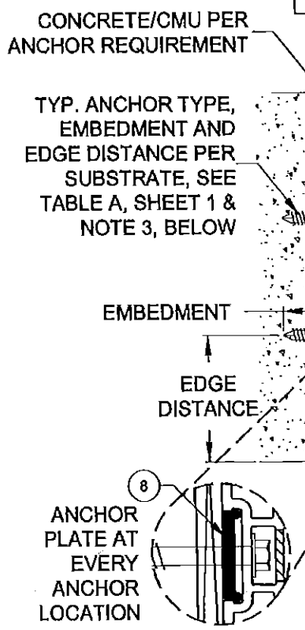
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16

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

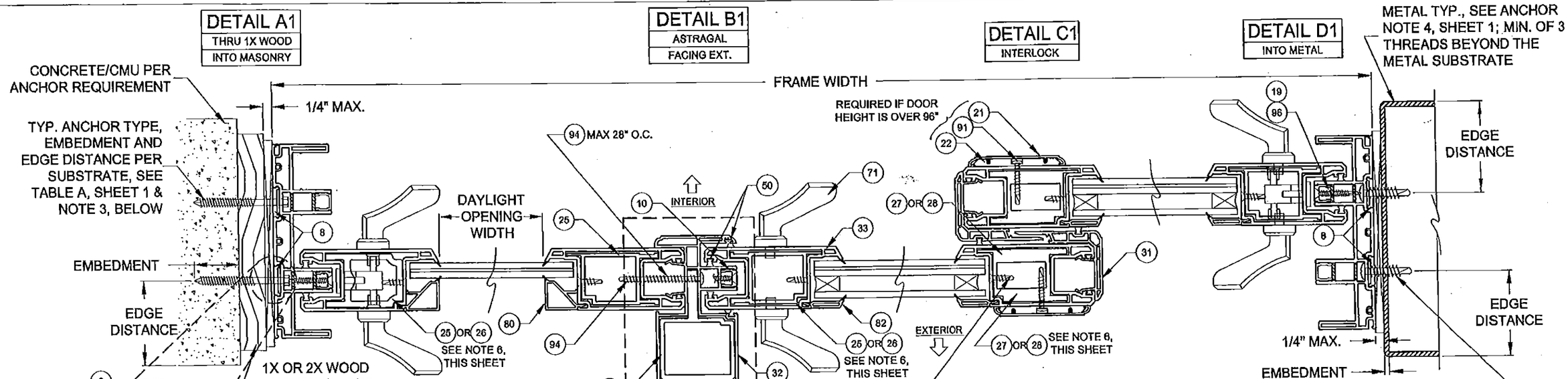
DETAIL A1
THRU 1X WOOD INTO MASONRY



DETAIL B1
ASTRAGAL FACING EXT.

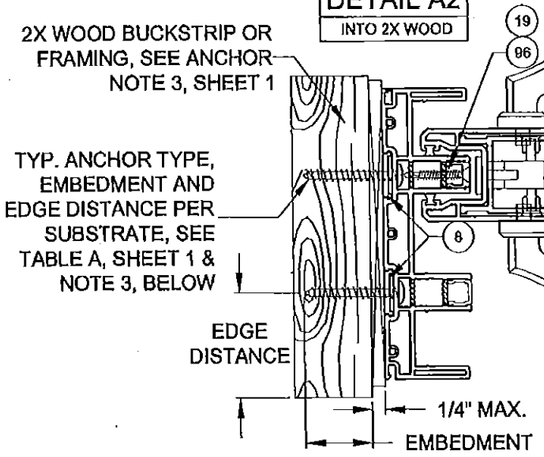
DETAIL C1
INTERLOCK

DETAIL D1
INTO METAL



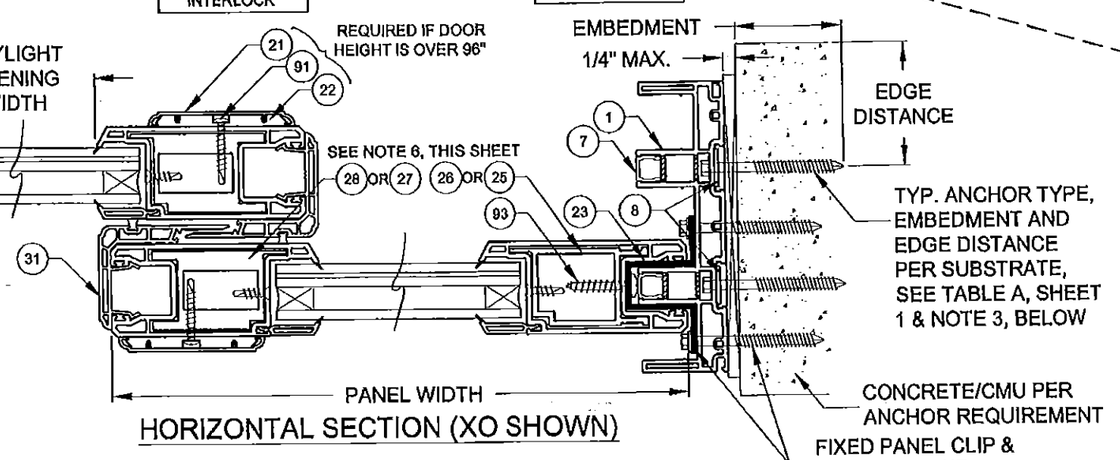
HORIZONTAL SECTION (XXX SHOWN)

DETAIL A2
INTO 2X WOOD



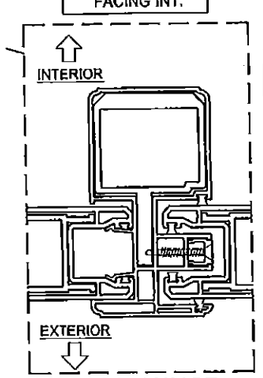
DETAIL C2
INTERLOCK

DETAIL D2
INTO MASONRY



HORIZONTAL SECTION (XO SHOWN)

DETAIL B2
ASTRAGAL FACING INT.



ASTRAGAL MAY BE INSTALLED IN EITHER INTERIOR OR EXTERIOR DIRECTION. ALL PARTS IDENTICAL.

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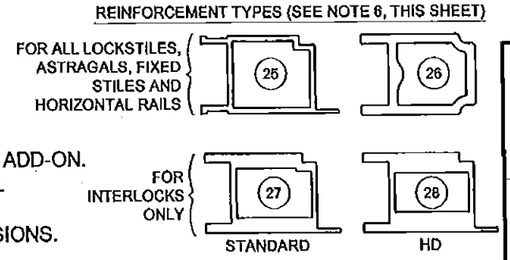
NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
7) SEE SHEET 20 FOR SCREEN DETAILS.

REINFORCEMENT TYPES (SEE NOTE 6, THIS SHEET)



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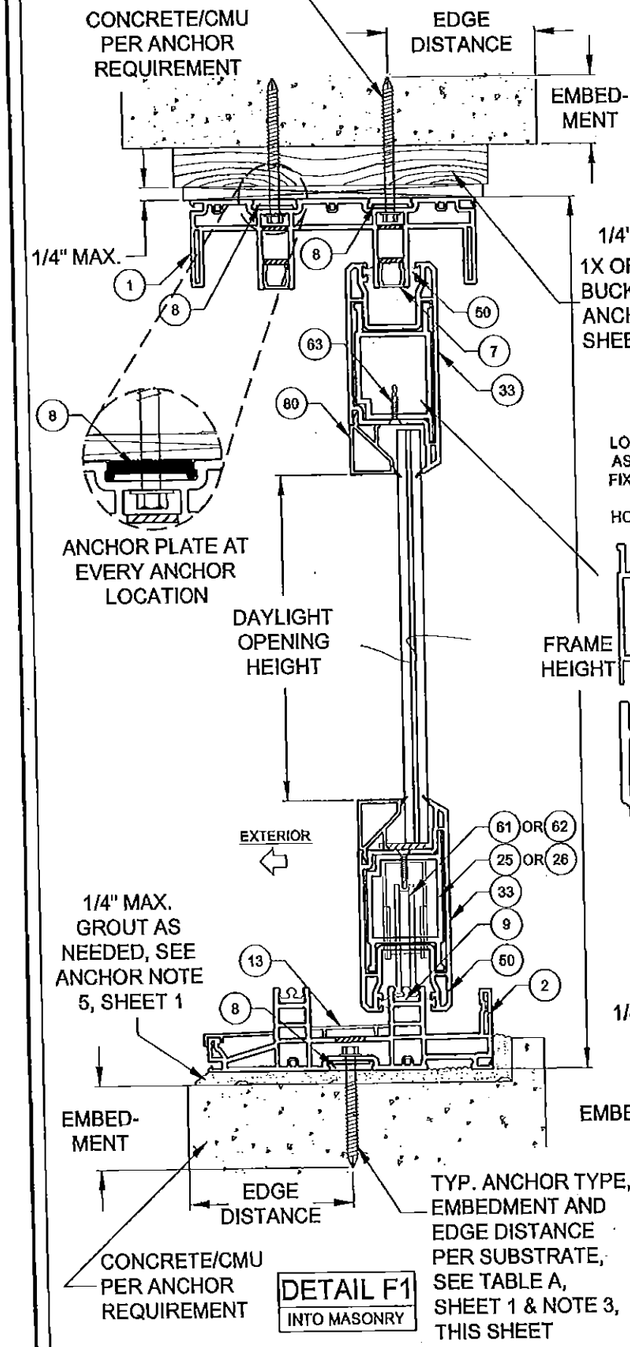
N. VENICE, FL 34275
(941) 460-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Descr.	INSTALLATION, HORIZONTAL X-SECT.					Drawn By	J ROSOWSKI
Rev A						Rev A Date	
Rev B						Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	3 OF 21	DWG No.	MD-7650.0

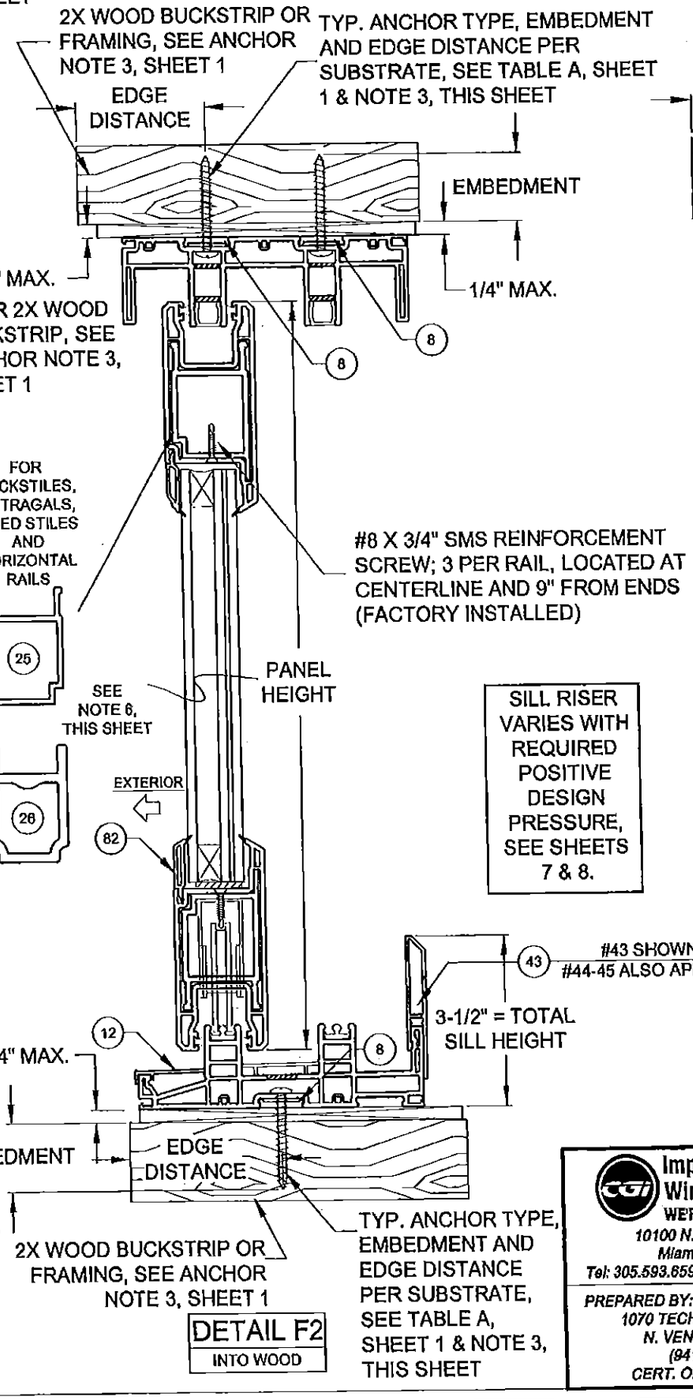
Rev. No.

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/15/16
A. LYNN MILLER, P.E.
P.E.# 58705

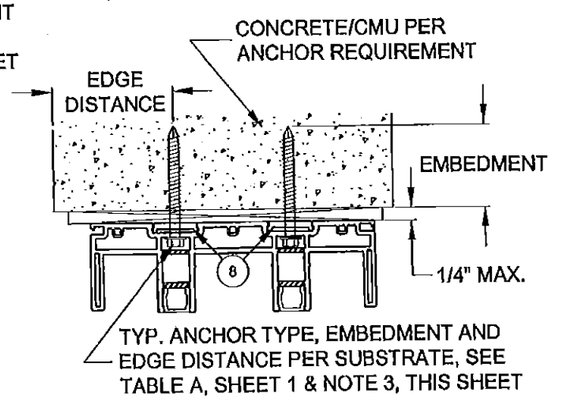
DETAIL E1
INTO MASONRY
1X BUCKSTRIP



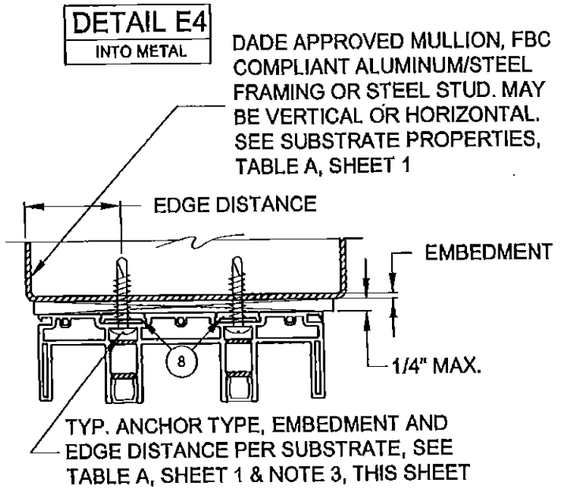
DETAIL E2
INTO WOOD



DETAIL E3
INTO MASONRY



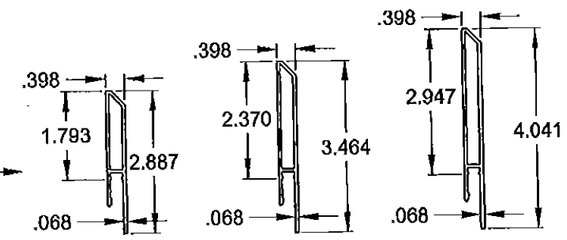
DETAIL E4
INTO METAL



NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEETS 11 & 12 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) SEE SHEET 20 FOR SCREEN DETAILS.
6) SEE TABLES 1 & 2 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 - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

SILL RISER VARIES WITH REQUIRED POSITIVE DESIGN PRESSURE, SEE SHEETS 7 & 8.



(43) SILL RISER (3-1/2" TOTAL SILL HEIGHT)
(44) SILL RISER (4-1/16" TOTAL SILL HEIGHT)
(45) SILL RISER (4-5/8" TOTAL SILL HEIGHT)

DETAIL F1
INTO MASONRY

DETAIL F2
INTO WOOD

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1070 TECHNOLOGY DRIVE
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(941) 480-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	INSTALLATION, VERTICAL X-SECT.			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	4 OF 21
DWG No.	MD-7650.0	Rev. No.			

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2/5/16
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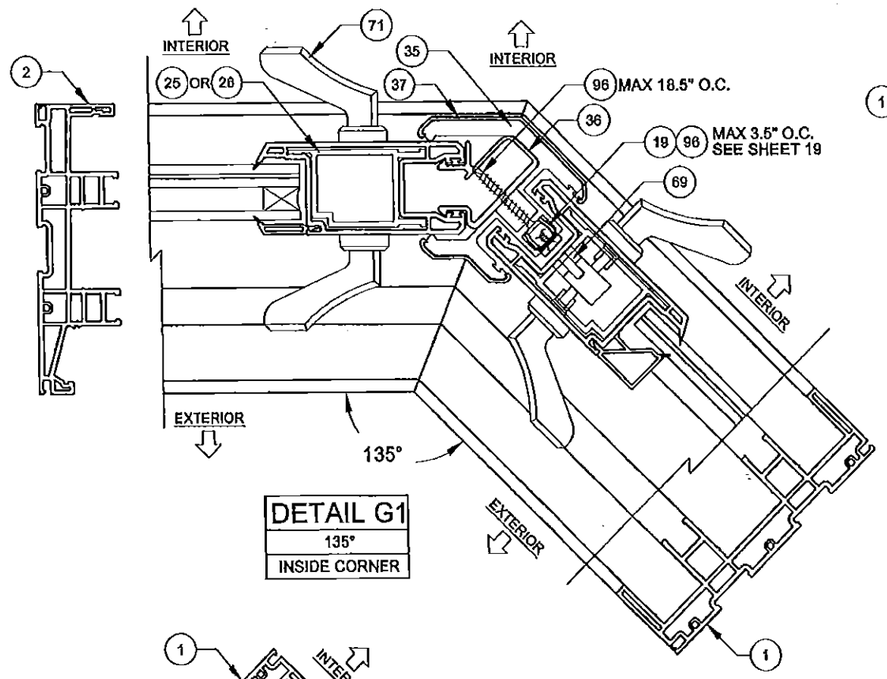
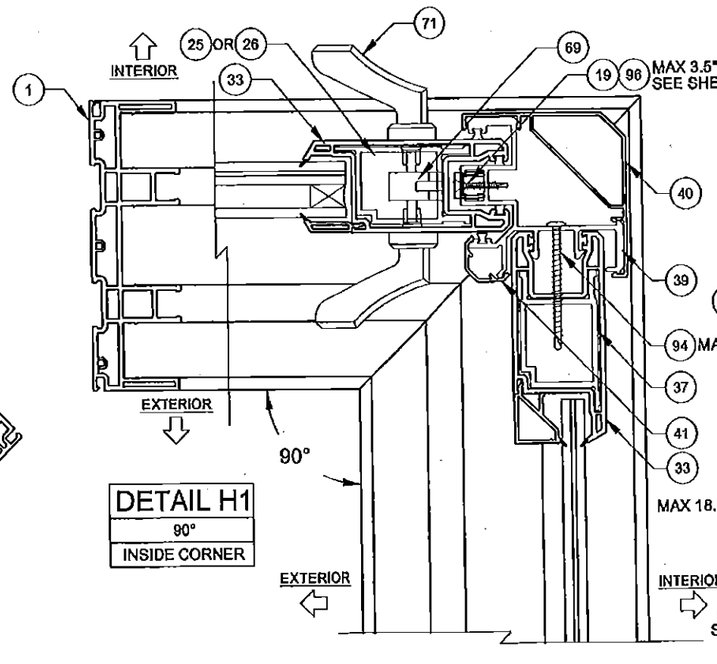
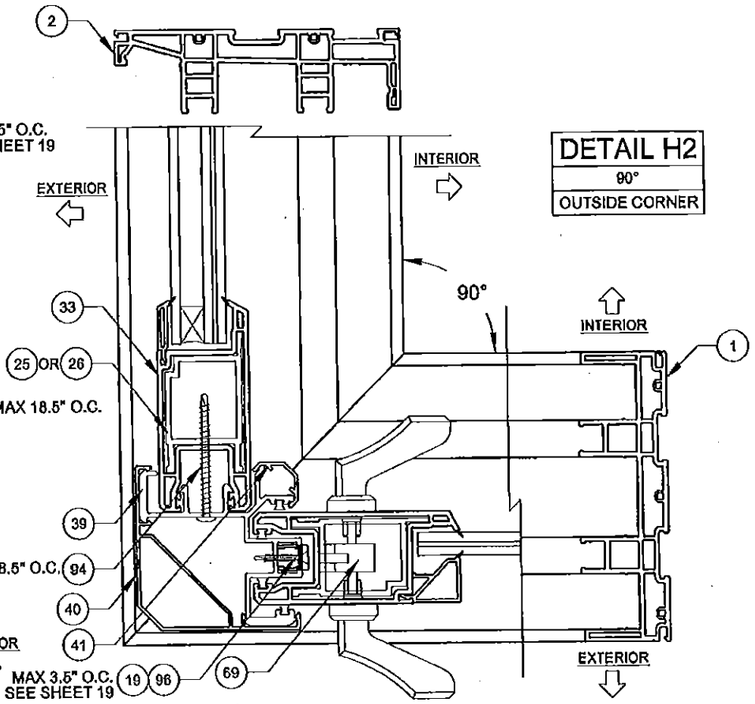
P.E.# 58705



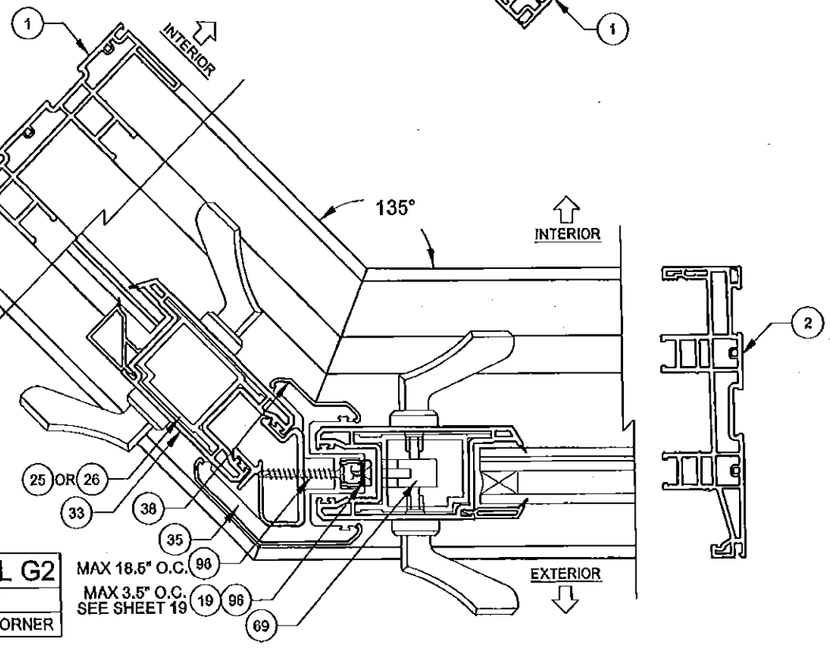
DETAIL G1
135°
INSIDE CORNER



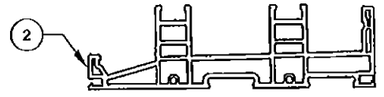
DETAIL H1
90°
INSIDE CORNER



DETAIL H2
90°
OUTSIDE CORNER



DETAIL G2
135°
OUTSIDE CORNER



NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 14 & 15 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.

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Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	CORNER ASTRAGAL HORIZ. X-SECT.			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	5 OF 21
DWG No.	MD-7650.0	Rev. No.			

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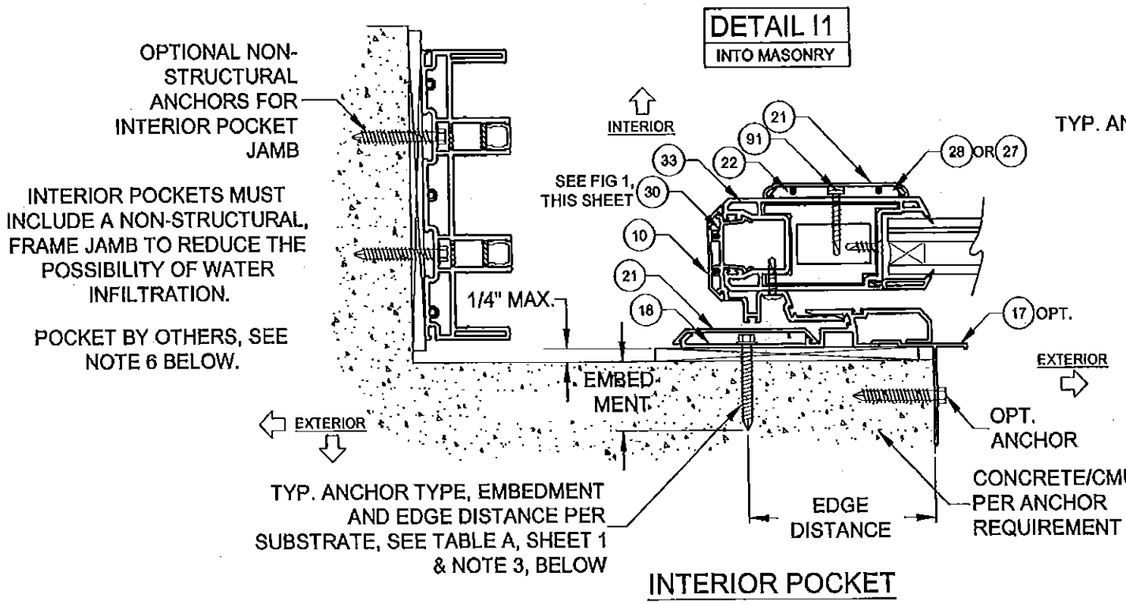
2/15/16
STATE OF FLORIDA
PROFESSIONAL ENGINEER

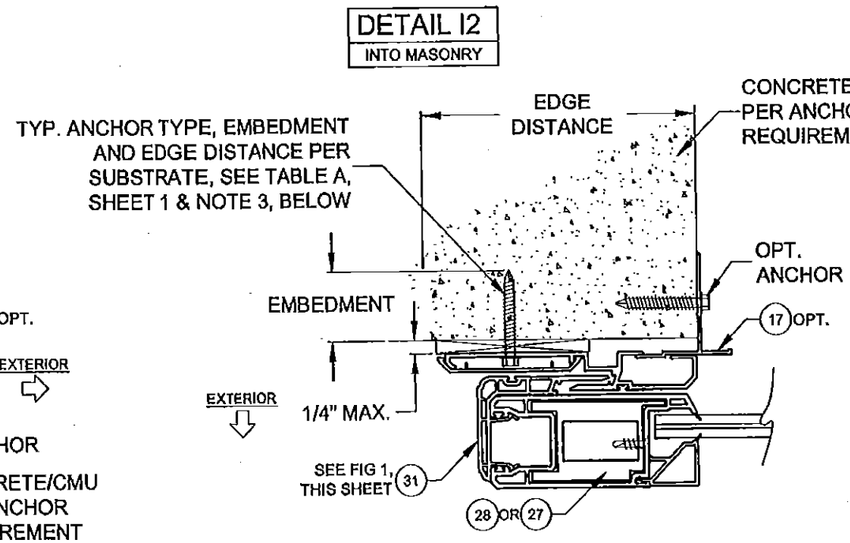
A. LYNN MILLER, P.E.
P.E.# 58705

DETAIL I1
INTO MASONRY



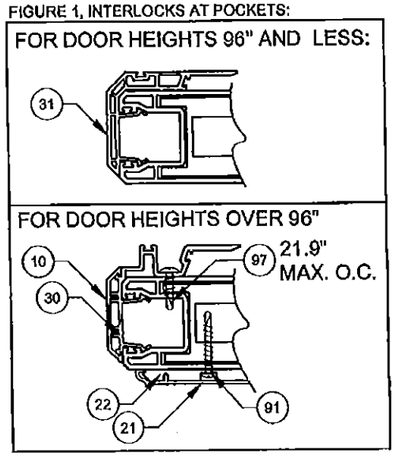
INTERIOR POCKET

DETAIL I2
INTO MASONRY

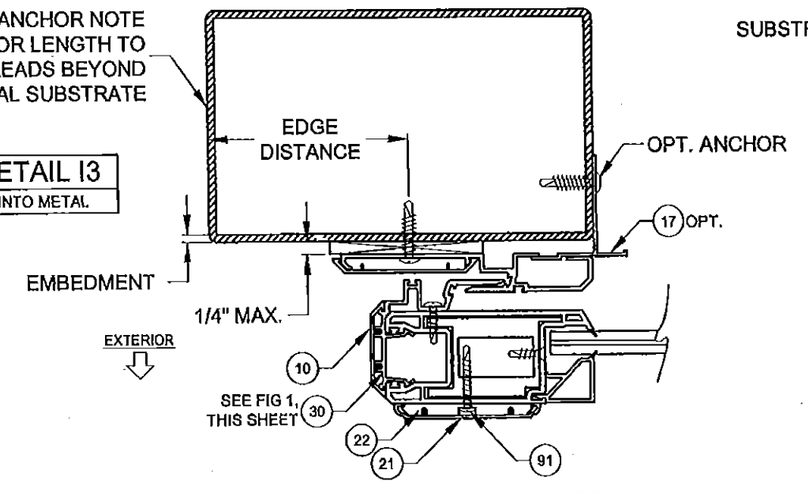


EXTERIOR POCKET

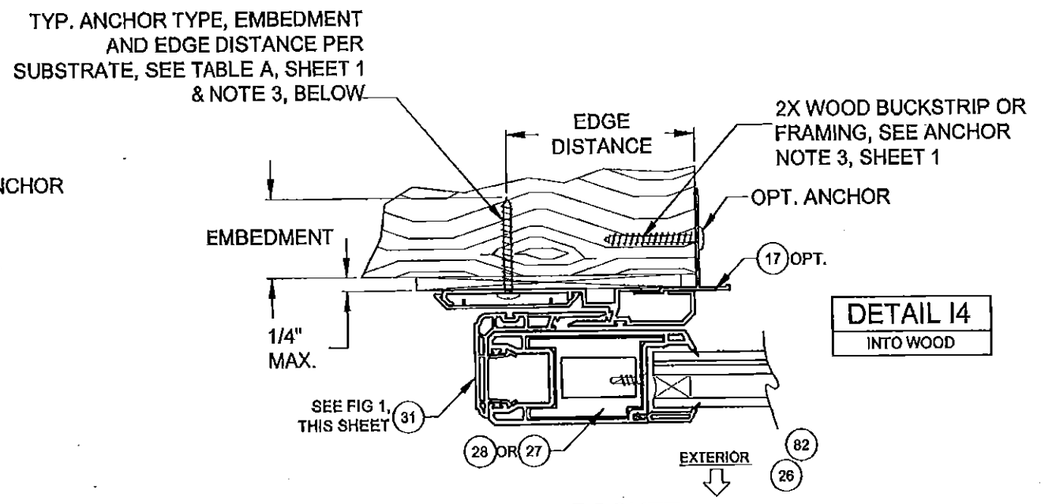
FIGURE 1, INTERLOCKS AT POCKETS:



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 & 2.
4) SEE TABLES 1 & 2 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.

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N. VENICE, FL 34275
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CERT. OF AUTH. #29286

Title	ALUMINUM SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	P-HOOK EXAMPLES, HORIZ. X-SECT.				Drawn By		J ROSOWSKI
Rev A					Rev A Date		
Rev B					Rev B Date		
Series	SGD-7650	Scale	NTS	Sheet	6 OF 21	DWG No.	MD-7650.0	Rev. No.	

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2/15/16
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 1:

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

Use this table for:			Door Unit Height											
Glass Types 1, 3 or 5			80"				84"				96"			
Astragal Reinforcement #29			68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height			
Lockstile Reinforcement #25 or #26			Anchor Group				Anchor Group				Anchor Group			
Std. Interlock Reinforcement #27			A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	19-1/8" 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"	25-1/8" 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"	31-1/8" 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"	37-1/8" 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"	43-1/8" 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).

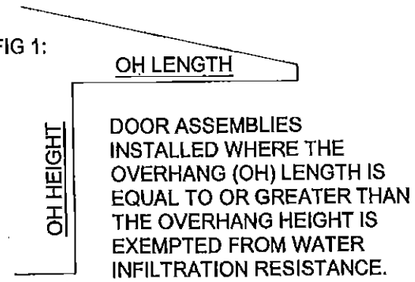
TOTAL # OF ANCHORS THROUGH THE JAMB.

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:



DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By 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 11-16 FOR ANCHOR LOCATION & SPACING

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PREPARED BY: A. LYNN MILLER, P.E.
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(941) 480-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	DP & ANCHOR QUANTITY TABLE			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	7 OF 21
DWG No.	MD-7650.0	Rev. No.			

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2/15/16
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 2:

Design Pressure (DP) and Anchor Quantities Required,

(for all approved configurations on Sheet 2)

Use this table for:
Glass Types 2 or 4
Astragal Reinforcement #29
Lockstile Reinforcement #25
HD Interlock Reinforcement #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"	19-1/8" DLO Width	*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"	25-1/8" 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"	31-1/8" 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	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+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"	37-1/8" 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"	43-1/8" 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"	49-1/8" 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"	55-1/8" 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.

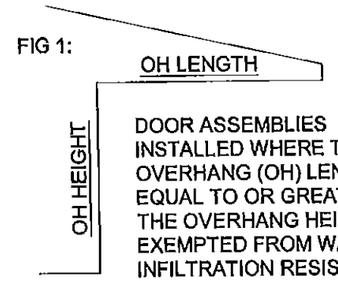
THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B2, THIS SHEET.

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"	+60.0 psf
45	4-5/8"	+100.0 psf

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NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
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DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

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 11-16 FOR ANCHOR LOCATION & SPACING

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Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

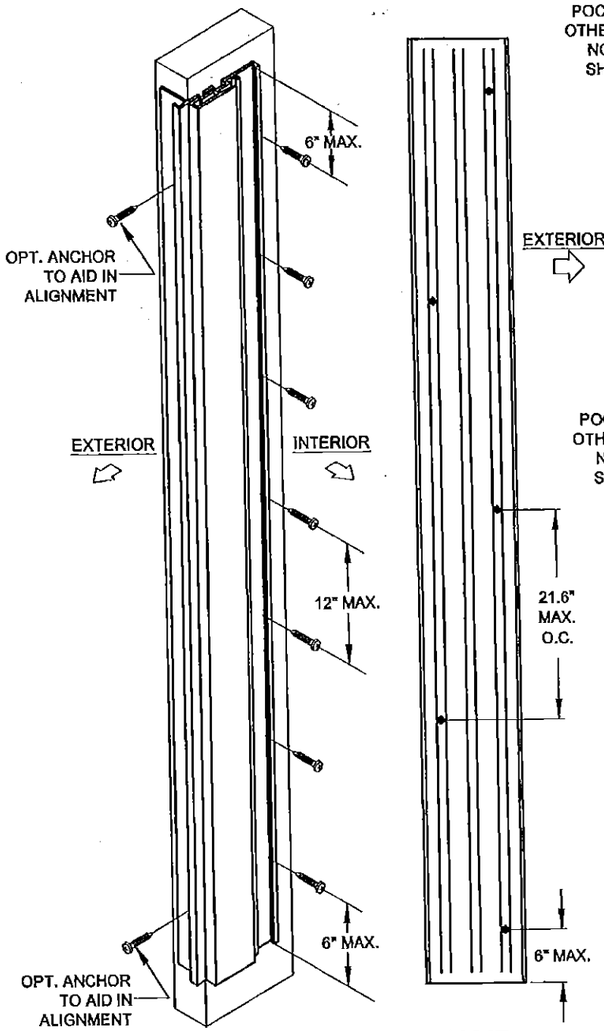
Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	DP & ANCHOR QUANTITY TABLE			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	8 OF 21
DWG No.	MD-7650.0	Rev. No.			

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16

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

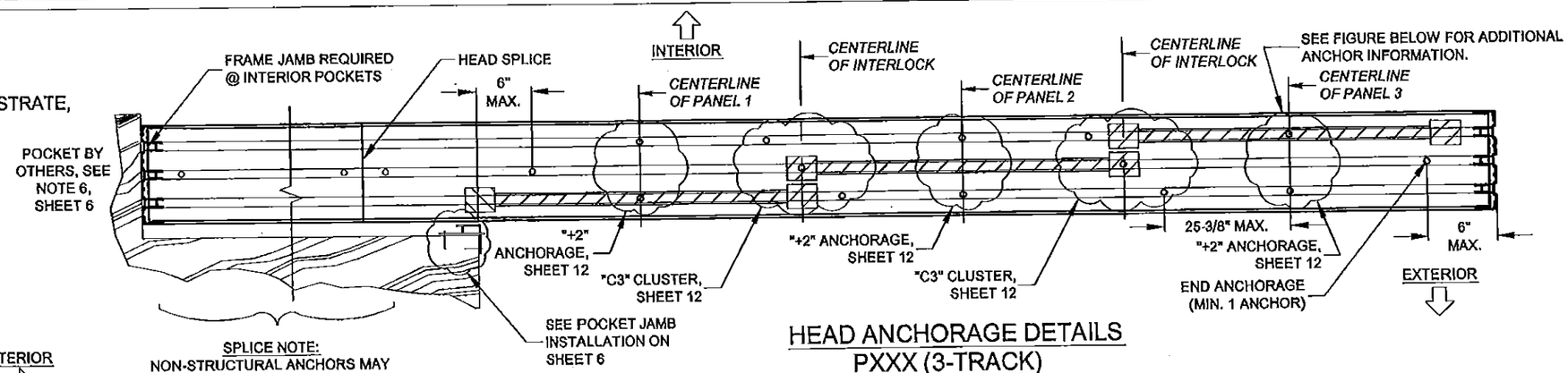
EXAMPLE:

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



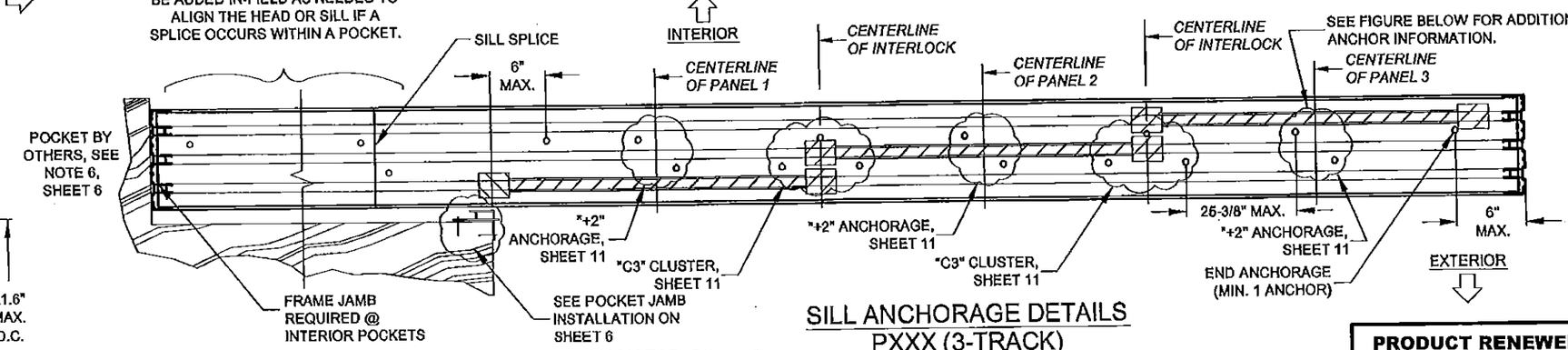
P-HOOK ANCHORAGE DETAILS

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 & 2 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.

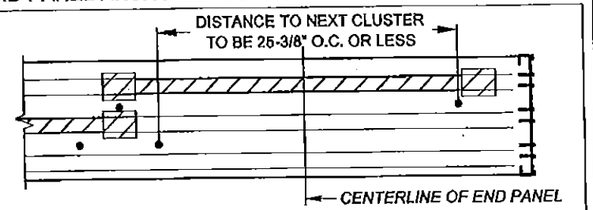
FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF:

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

2) ANCHOR LOCATION DETAILS, CAN BE FOUND ON:
HEAD (CLUSTER ANCHORS): SHEET 12 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
HEAD (INTERMEDIATE ANCHORS): SHEET 12 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
SILL (CLUSTER ANCHORS): SHEET 11 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
SILL (INTERMEDIATE ANCHORS): SHEET 11 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
JAMB: 5 ANCHORS, SHEET 13 FOR GEN. LAYOUT.
P-HOOK: 7 ANCHORS, SHEET 13 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 10 FOR SPECIFIC GLAZING TYPES.
C) SHEET 17 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 4 & 18 FOR EXTRUSION CROSS-SECTION DRAWINGS.
E) SHEET 19 FOR INSTALLATION OF ADDITIONAL ACCESSORIES.
F) SHEET 21 FOR A BILL OF MATERIALS.

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PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

PRODUCT RENEWED
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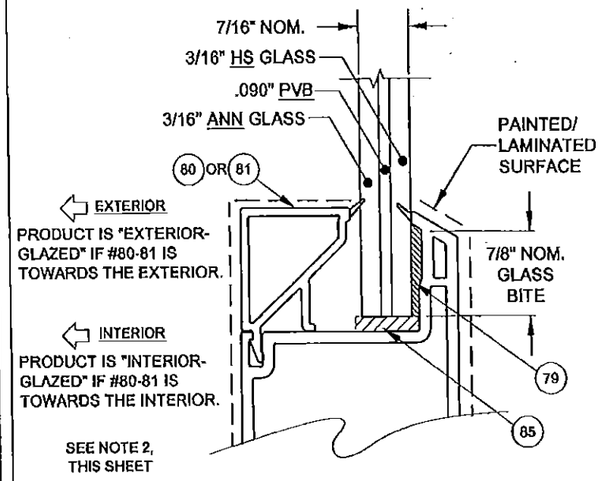
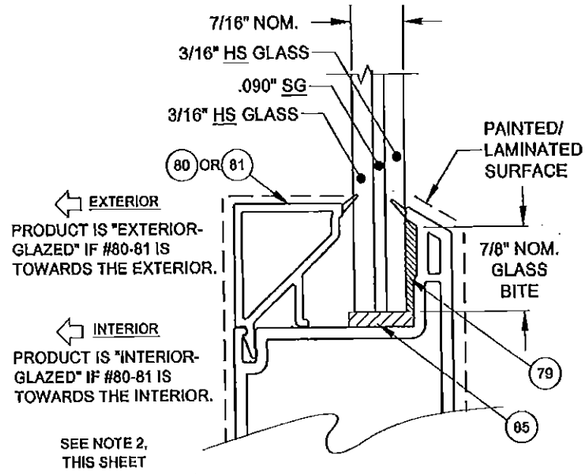
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/15/16
A. LYNN MILLER, P.E.
P.E.# 58705

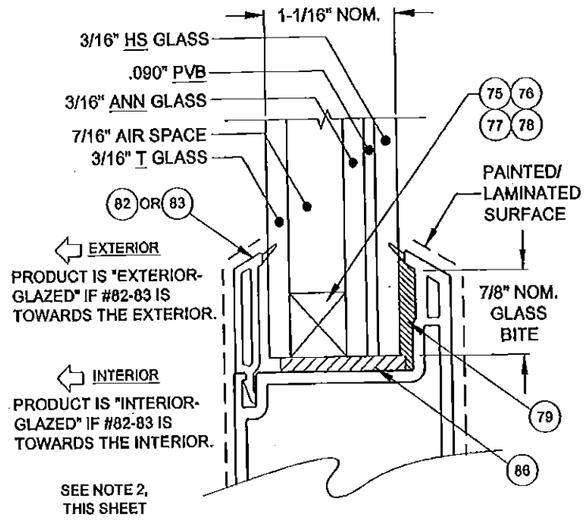
Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	STRAIGHT DOOR EXAMPLE					Drawn By	J ROSOWSKI
Rev A						Rev A Date	
Rev B						Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	9 OF 21	DWG No.	MD-7650.0	Rev. No.	



GLASS TYPE 1



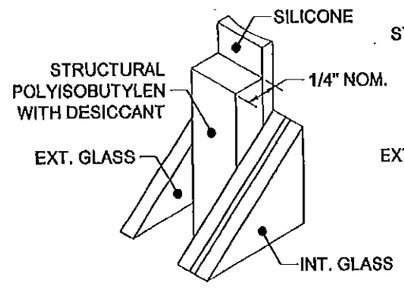
GLASS TYPE 2



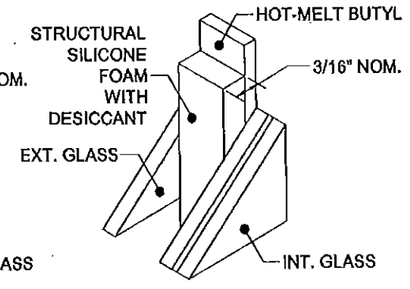
GLASS TYPE 3

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.

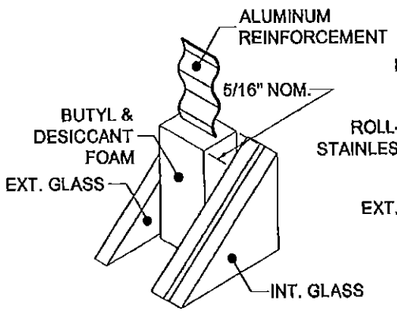
"ANN" = ANNEALED
"HS" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" BUTACITE® PVB INTERLAYER BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC.



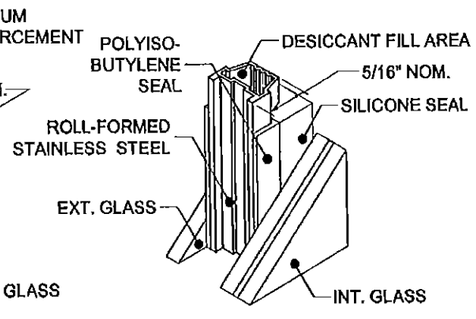
75 KODISPACE 4SG TPS



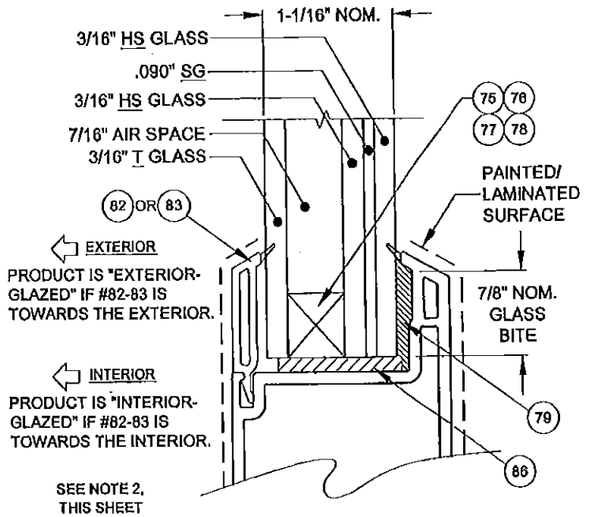
76 SUPER SPACER® NXT™



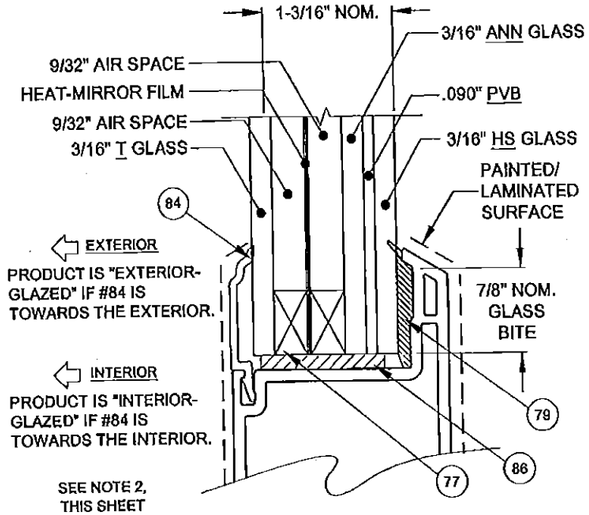
77 DURASEAL® SPACER



78 XL EDGE™ SPACER



GLASS TYPE 4



GLASS TYPE 5

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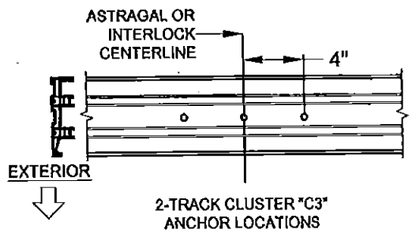
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

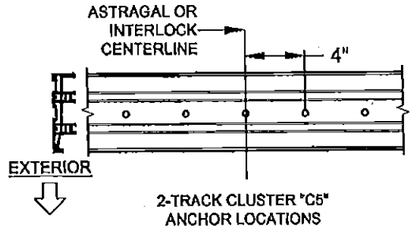
Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	GLAZING DETAILS			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	10 OF 21
DWG No.	MD-7650.0	Rev. No.			

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

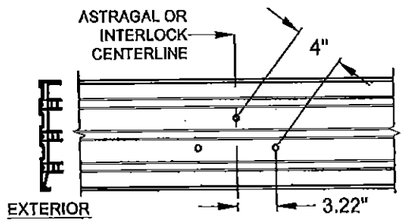
SILL CLUSTER ANCHORS LAYOUT:



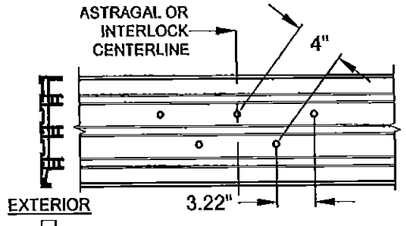
2-TRACK CLUSTER "C3" ANCHOR LOCATIONS



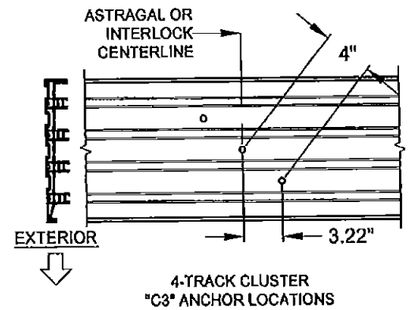
2-TRACK CLUSTER "C5" ANCHOR LOCATIONS



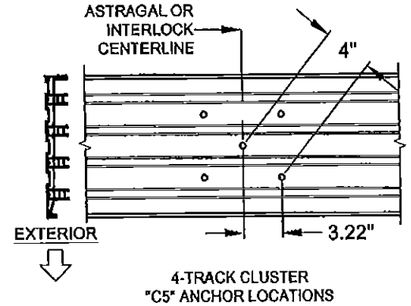
3-TRACK CLUSTER "C3" ANCHOR LOCATIONS



3-TRACK CLUSTER "C5" ANCHOR LOCATIONS



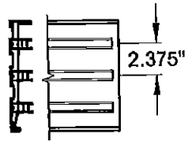
4-TRACK CLUSTER "C3" ANCHOR LOCATIONS



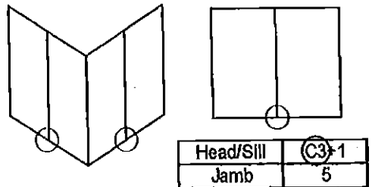
4-TRACK CLUSTER "C5" ANCHOR LOCATIONS

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

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

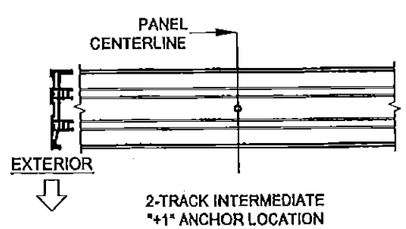


FIGURES PERTAIN TO THE FOLLOWING SILL CLUSTER ANCHOR LOCATIONS:

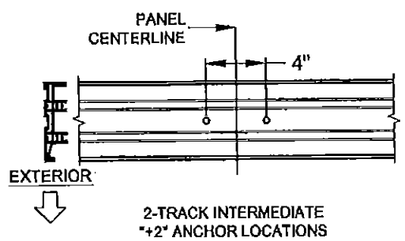


Head/Sill	C3+1
Jamb	5
P-hook	7

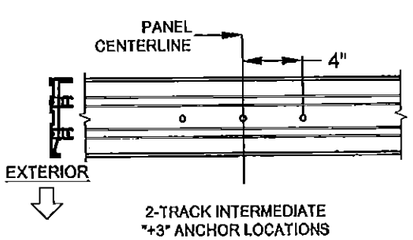
SILL "+" INTERMEDIATE ANCHORS LAYOUT:



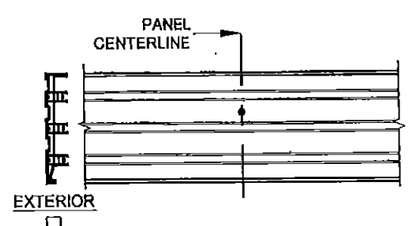
2-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



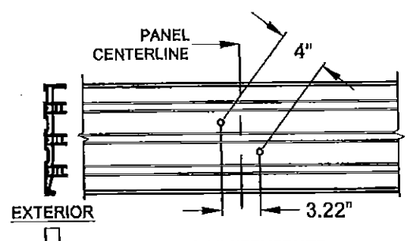
2-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



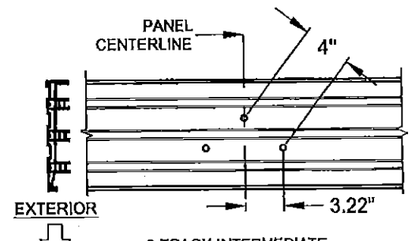
2-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS



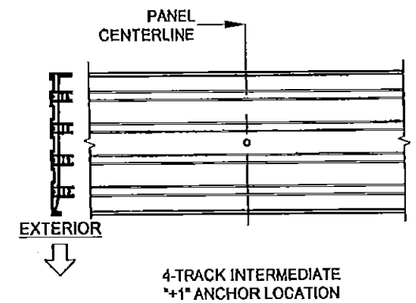
3-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



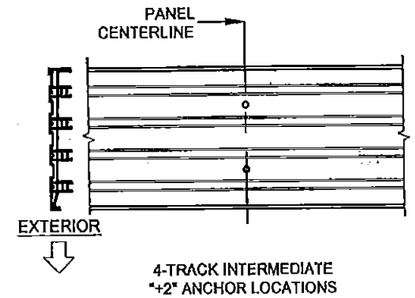
3-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



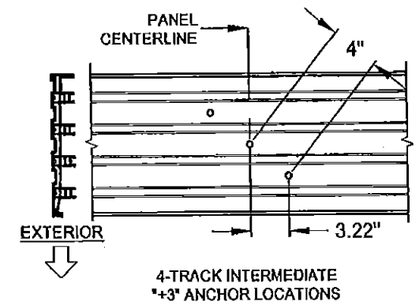
3-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS



4-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



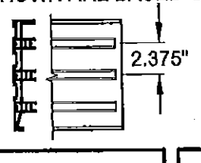
4-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



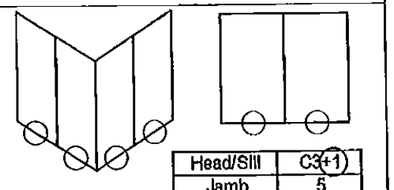
4-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS

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, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	ANCHOR LOCATIONS A			Drawn By	J ROSOWSKI
Rev 1				Rev 1 Date	
Rev 2				Rev 2 Date	
Series	SGD-7650	Scale	NTS	Sheet	11 OF 21
DWG No.	MD-7650.0	Rev. No.			

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
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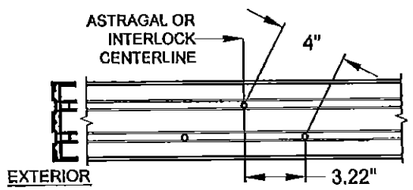
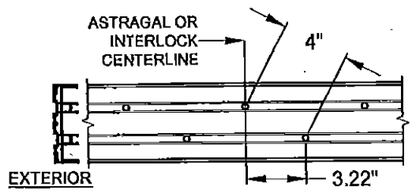
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16

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

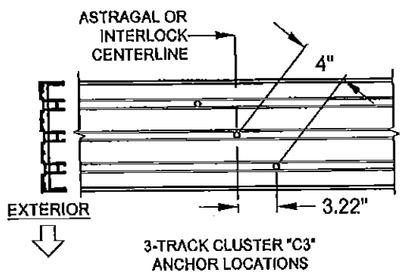
HEAD CLUSTER ANCHORS LAYOUT:



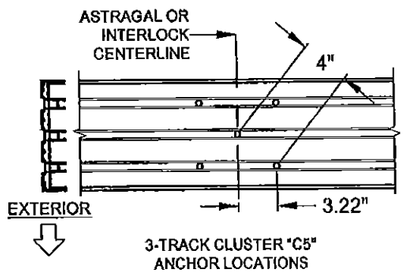
2-TRACK CLUSTER "C3" ANCHOR LOCATIONS



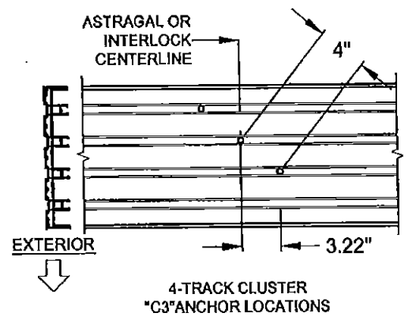
2-TRACK CLUSTER "C5" ANCHOR LOCATIONS



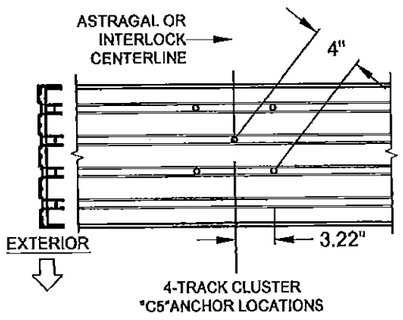
3-TRACK CLUSTER "C3" ANCHOR LOCATIONS



3-TRACK CLUSTER "C5" ANCHOR LOCATIONS



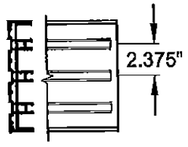
4-TRACK CLUSTER "C3"ANCHOR LOCATIONS



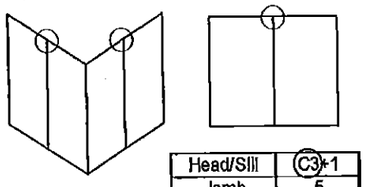
4-TRACK CLUSTER "C5"ANCHOR LOCATIONS

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

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

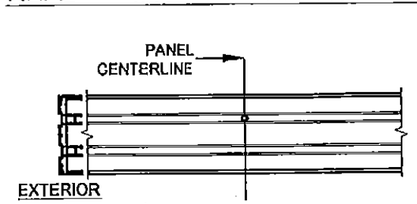


FIGURES PERTAIN TO THE FOLLOWING HEAD CLUSTER ANCHOR LOCATIONS:

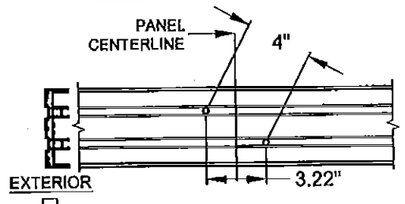


Head/Sill	C3+1
Jamb	5
P-hook	7

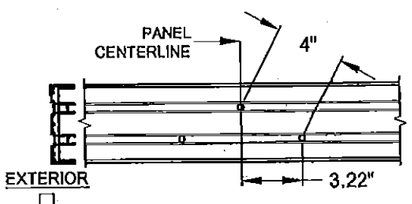
HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



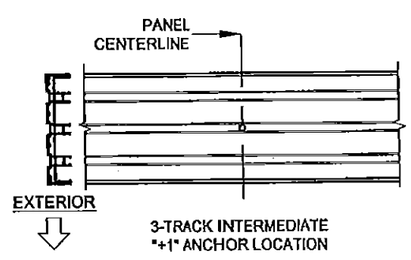
2-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



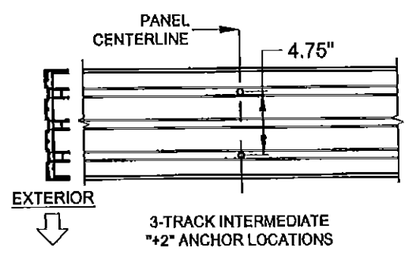
2-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



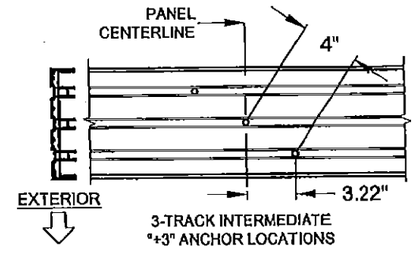
2-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS



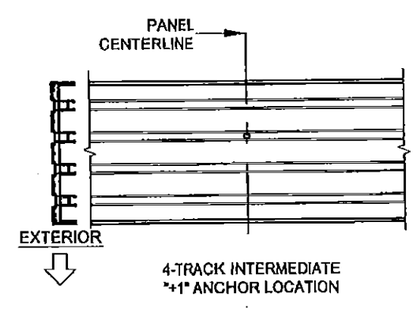
3-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



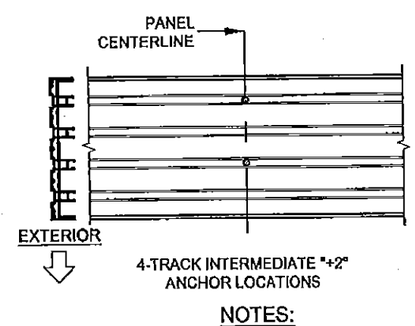
3-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



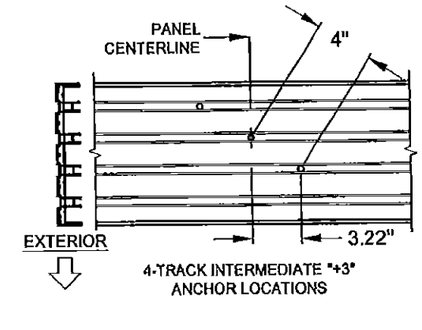
3-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS



4-TRACK INTERMEDIATE "+1" ANCHOR LOCATION



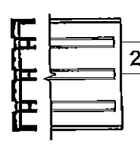
4-TRACK INTERMEDIATE "+2" ANCHOR LOCATIONS



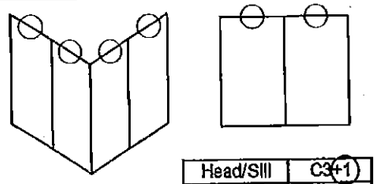
4-TRACK INTERMEDIATE "+3" ANCHOR LOCATIONS

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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Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1600
CERT. OF AUTH. #29296

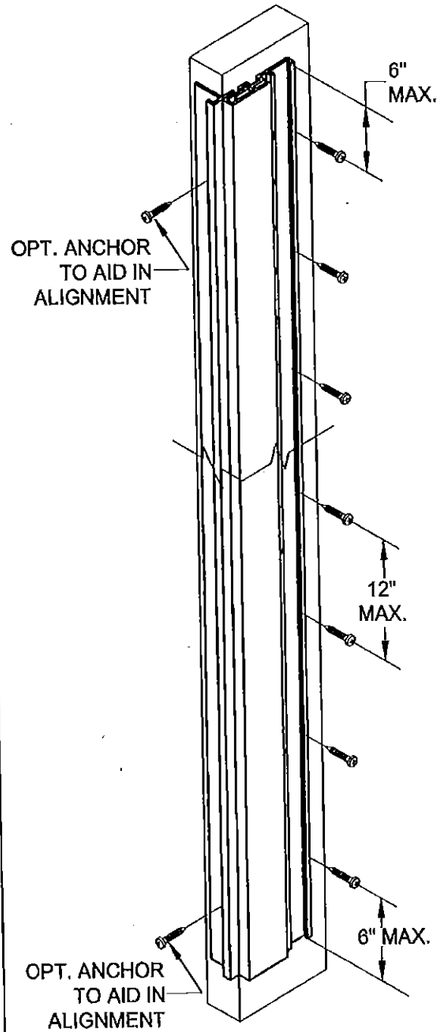
Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	ANCHOR LOCATIONS B					Drawn By	J ROSOWSKI
Rev 1						Rev 1 Date	
Rev 2						Rev 2 Date	
Series	SGD-7650	Scale	NTS	Sheet	12 OF 21	DWG No.	MD-7650.0 Rev. No.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/17/16

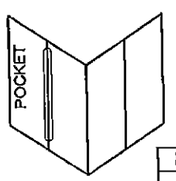
A. LYNN MILLER, P.E.
P.E.#.58705

P-HOOK ANCHORS LAYOUT:



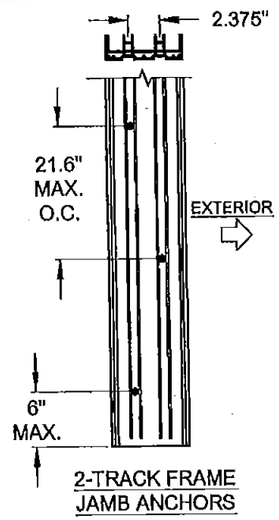
NOTES:
1) SEE TABLES 1 & 2 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

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

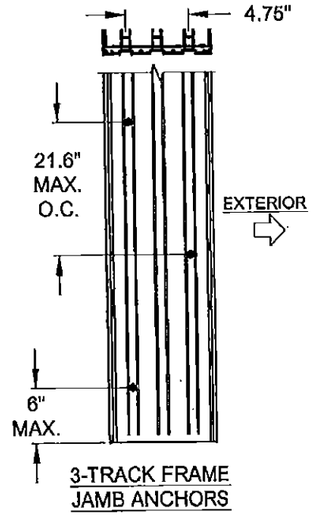


Head/Sill	C3+1
Jamb	6
P-hook	(7)

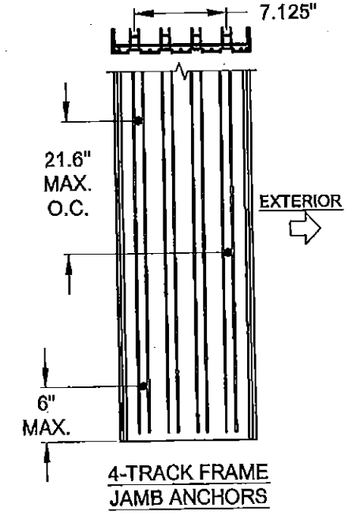
JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



2-TRACK FRAME JAMB ANCHORS

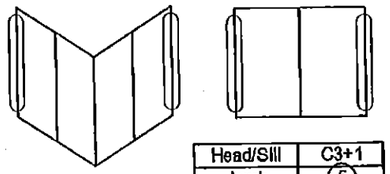


3-TRACK FRAME JAMB ANCHORS



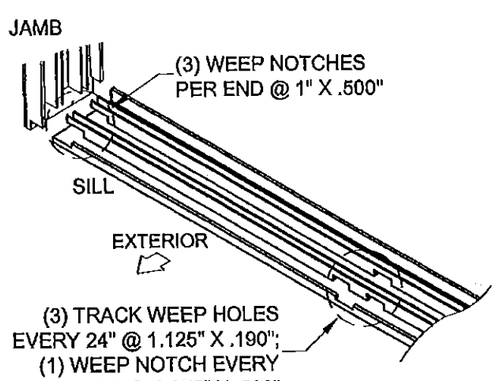
4-TRACK FRAME JAMB ANCHORS

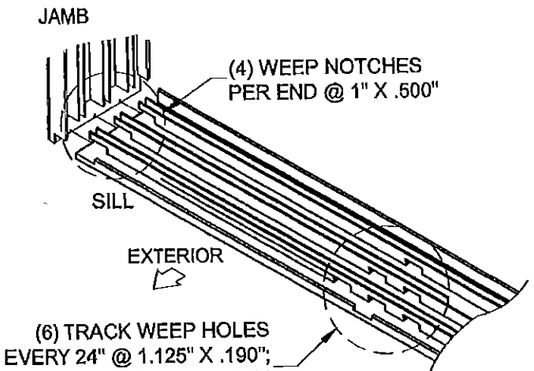
FIGURES PERTAIN TO THE FOLLOWING JAMB ANCHOR LOCATIONS:

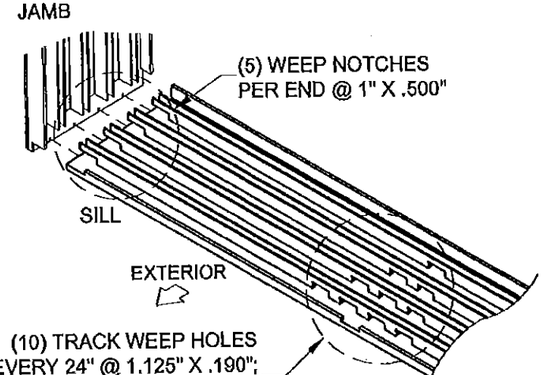


Head/Sill	C3+1
Jamb	(5)
P-hook	7

NOTES:
1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS MAY BE LOCATED IN ADJACENT TRACKS (SIMILAR TO THE 2-TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS.







SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

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Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	ANCHOR LOCATIONS C			Drawn By	J ROSOWSKI
Rev 1				Rev 1 Date	
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Series	SGD-7650	Scale	NTS	Sheet	13 OF 21
DWG No.	MD-7650.0	Rev. No.			

PRODUCT RENEWED
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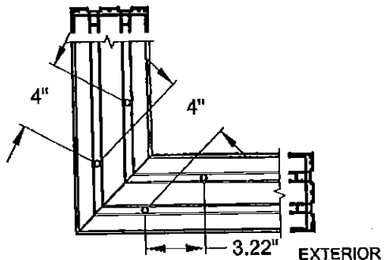
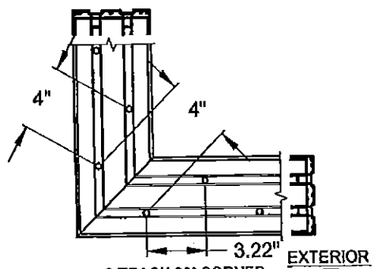
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16

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

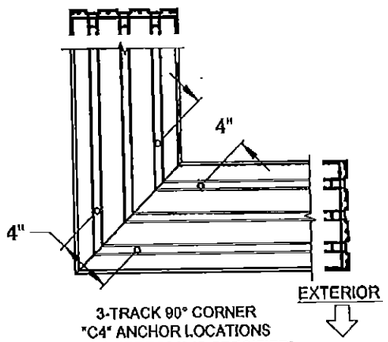
HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:



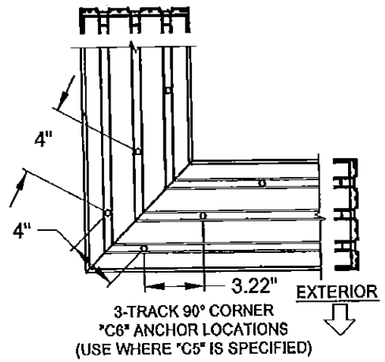
2-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



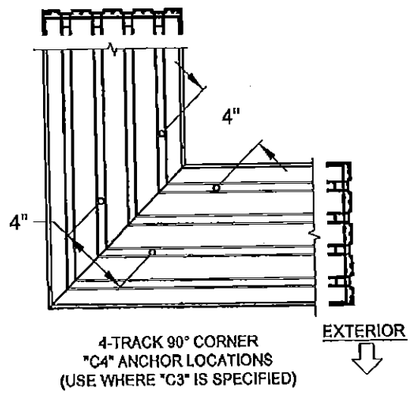
2-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



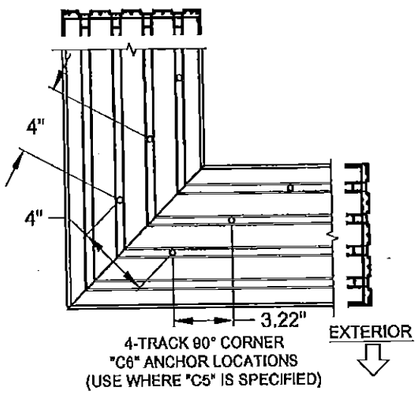
3-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

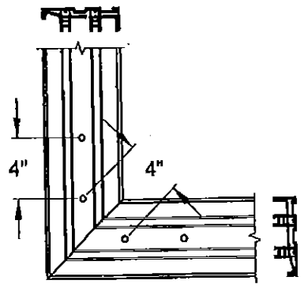


4-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

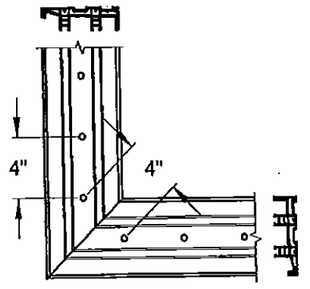


4-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

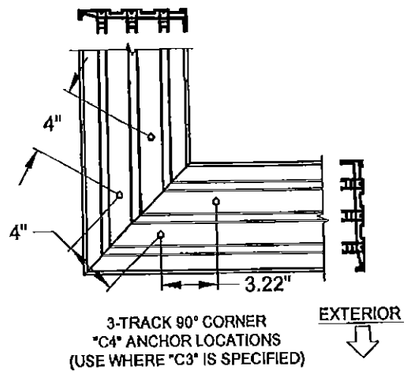
SILL 90° CORNER CLUSTER ANCHORS LAYOUT:



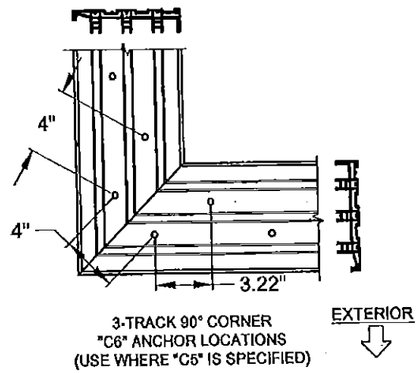
2-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



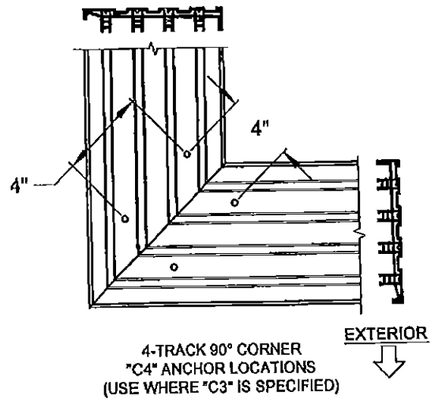
2-TRACK 90° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



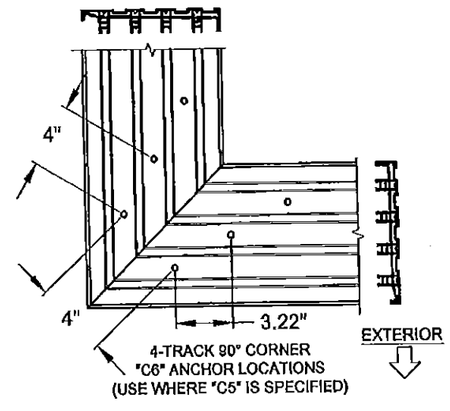
3-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

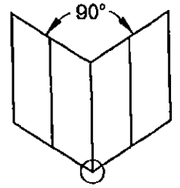


4-TRACK 90° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

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



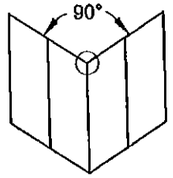
Head/Sill	C3+1
Jamb	5
P-hook	7

PRODUCT RENEWED
as complying with the Florida Building Code
NOA–No. 15-1210.03
Expiration Date 04/14/2021
By Miami-Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16

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

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

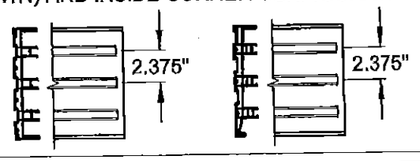


Head/Sill	C3+1
Jamb	5
P-hook	7

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:

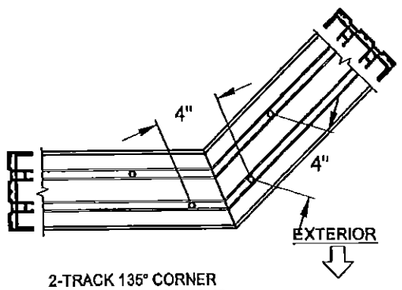


Impact Resistant Windows & Doors
WE'RE STRONGER™
10100 N.W. 25th Street
Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

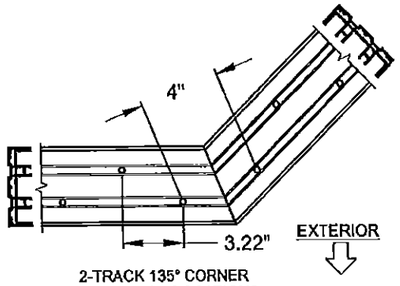
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29266

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	ANCHOR LOCATIONS D				Drawn By	J ROSOWSKI	
Rev 1						Rev 1 Date	
Rev 2						Rev 2 Date	
Series	SGD-7650	Scale	NTS	Sheet	14 OF 21	DWG No.	MD-7650.0	Rev. No.	

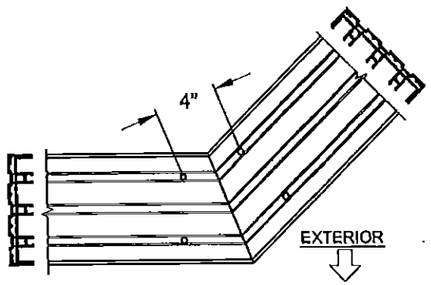
HEAD 135° CORNER CLUSTER ANCHORS LAYOUT:



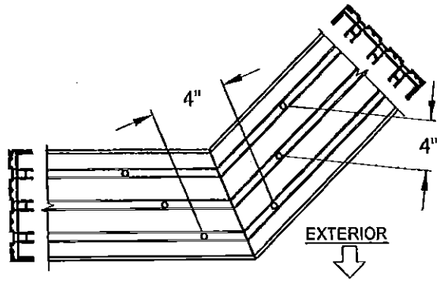
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



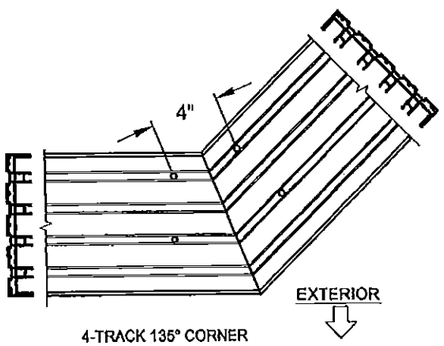
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



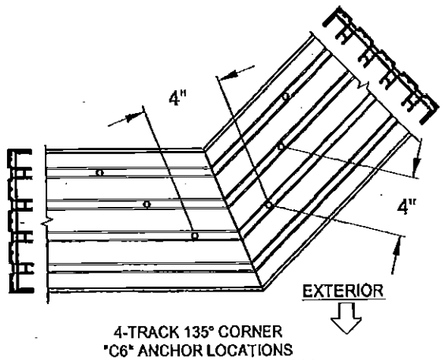
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

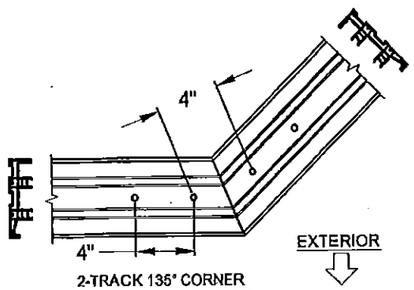


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

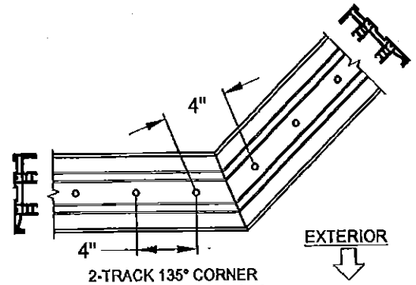


4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

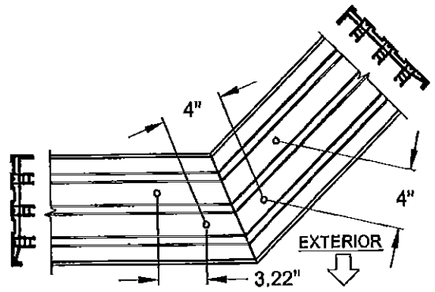
SILL 135° CORNER CLUSTER ANCHORS LAYOUT:



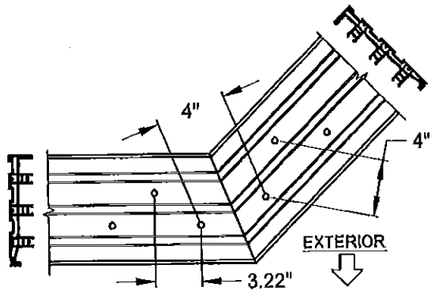
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



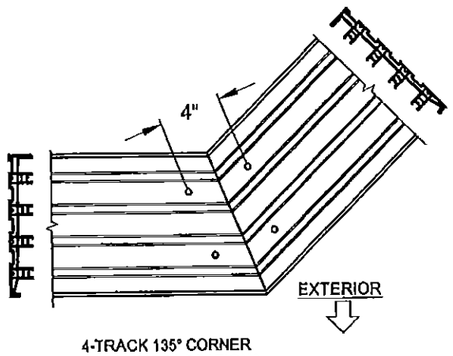
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



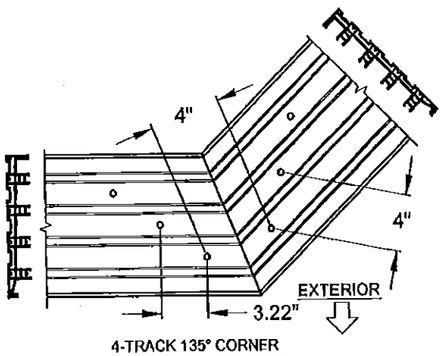
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

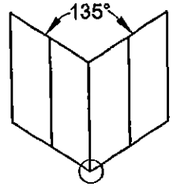


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

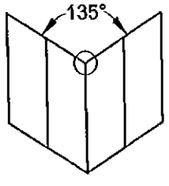
FIGURES PERTAIN TO THE FOLLOWING 135° CORNER SILL ANCHOR LOCATIONS:



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

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By Miami-Dade Product Control

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

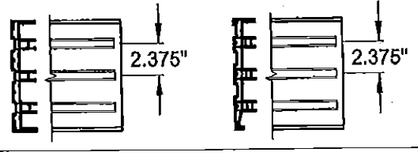


Head/Sill	C3+1
Jamb	5
P-hook	7

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:



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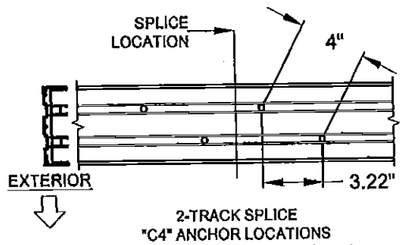
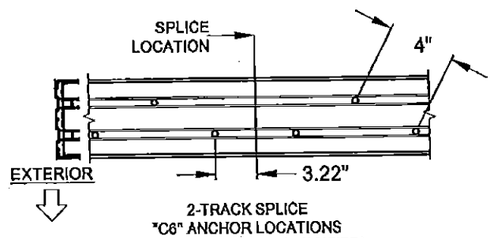
CERT. OF AUTH. #29266

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Descr.	ANCHOR LOCATIONS E		Drawn By	J ROSOWSKI	
Rev 1			Rev 1 Date		
Rev 2			Rev 2 Date		
Series	SGD-7650	Scale NTS	Sheet 15 OF 21	DWG No. MD-7650.0	Rev. No.

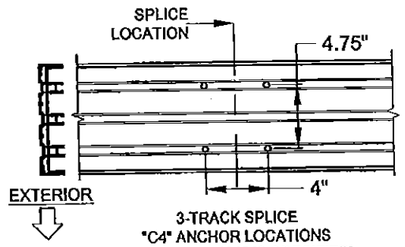
HEAD SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:



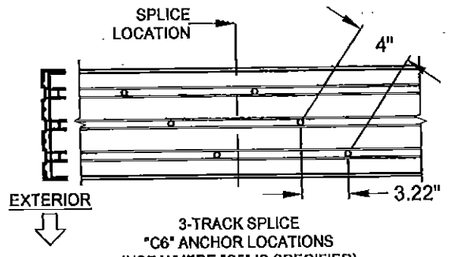
2-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



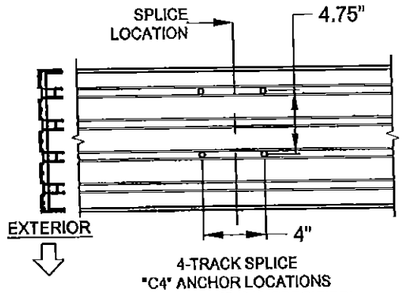
2-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



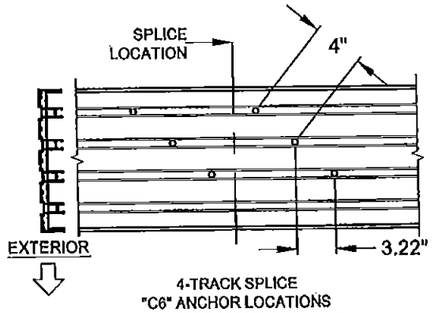
3-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

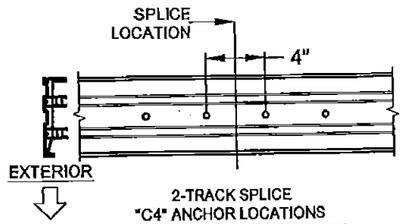


4-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)

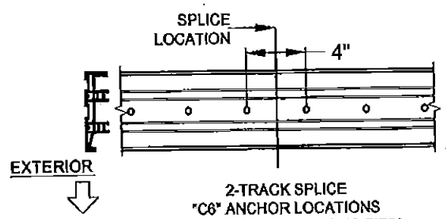


4-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

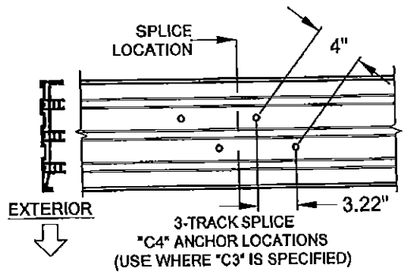
SILL SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:



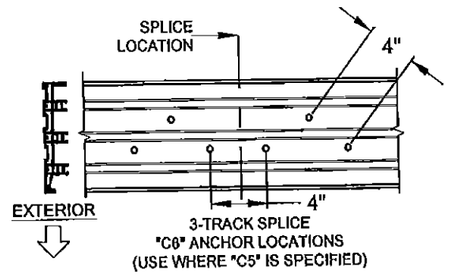
2-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



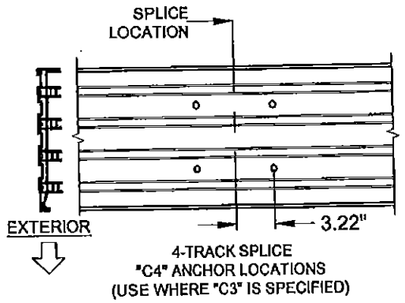
2-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



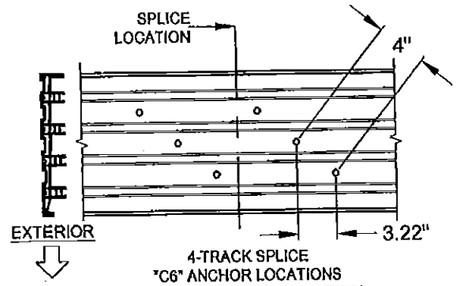
3-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



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

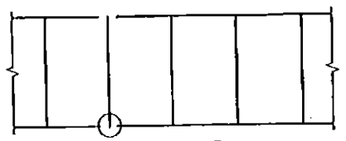


4-TRACK SPLICE
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



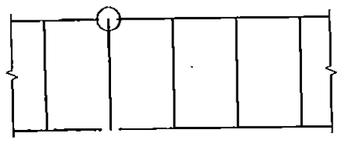
4-TRACK SPLICE
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

FIGURES PERTAIN TO THE FOLLOWING SPLICED SILL ANCHOR LOCATIONS:



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

FIGURES PERTAIN TO THE FOLLOWING SPLICED HEAD ANCHOR LOCATIONS:



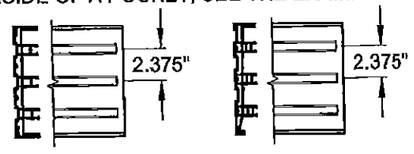
Head/Sill	C3+1
Jamb	5
P-hook	7

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.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

ANTHONY LYNN MILLER
LICENSE
No. 58705
2/15/16
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

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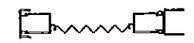
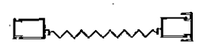
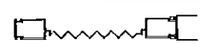
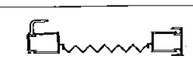
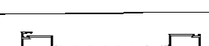
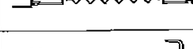
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	ANCHOR LOCATIONS F					Drawn By	J ROSOWSKI
Rev 1						Rev 1 Date	
Rev 2						Rev 2 Date	
Series	SGD-7650	Scale	NTS	Sheet	16 OF 21	DWG No.	MD-7650.0	Rev. No.	

PANEL'S LEFT STILE TYPE / 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
SINGLE INTERLOCK OUT	E	F	PP	K	L (BOX OUT)	L (BOX IN)	TC	TA	TV	TW
SINGLE INTERLOCK IN	B	H	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

PANEL TYPE "F" SHOWN.

PANEL NOTES:

1) SEE DP/ANCHOR TABLES 1 & 2, SHEETS 7-8 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 10.

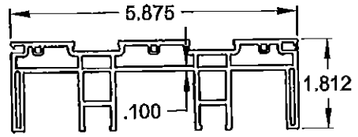
PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

Impact Resistant Windows & Doors
WE'RE STRONGER™
10100 N.W. 25th Street
Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

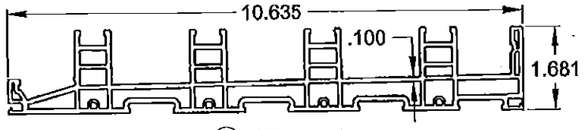
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29266

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	PANEL TYPES		Drawn By		J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale NTS	Sheet 17 OF 21	DWG No.	MD-7650.0 Rev. No.

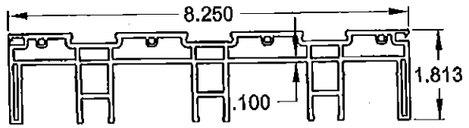
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16
A. LYNN MILLER, P.E.
P.E.# 58705



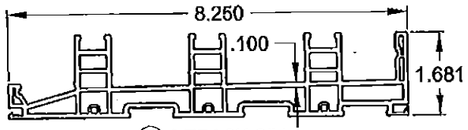
1 2 TRACK HEAD/JAMB



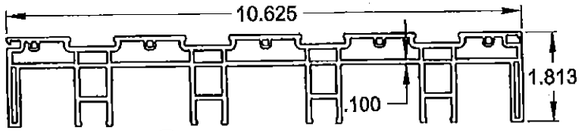
6 4 TRACK SILL



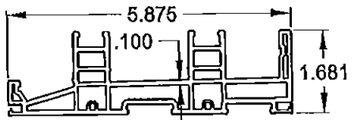
3 3 TRACK HEAD/JAMB



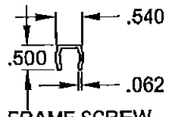
4 3 TRACK SILL



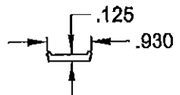
5 4 TRACK HEAD/JAMB



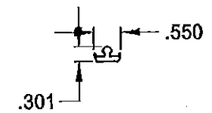
2 2 TRACK SILL



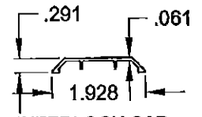
7 FRAME SCREW COVER (PVC)



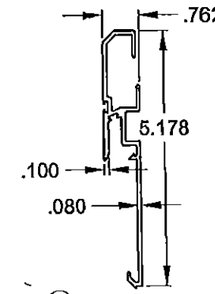
8 ANCHOR PLATE



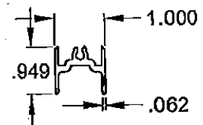
9 TRACK INSERT



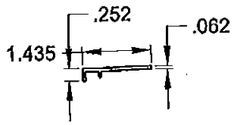
10 INTERLOCK CAP, EXTENDED POCKET



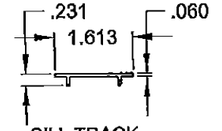
18 P-HOOK



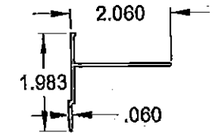
11 BOTTOM RAIL SUPPORT



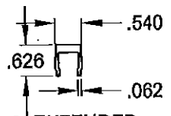
12 FRAME SILL ADD-ON



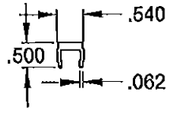
13 SILL TRACK COVER



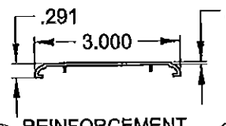
17 P-HOOK ADAPTOR



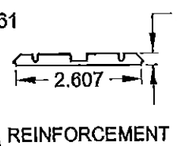
19 EXTENDED KEEPER



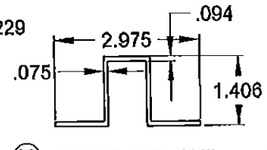
20 KEEPER



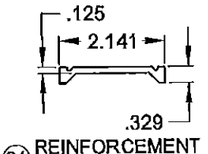
21 REINFORCEMENT BAR COVER



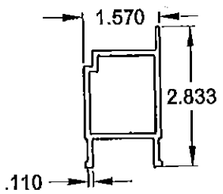
22 REINFORCEMENT BAR



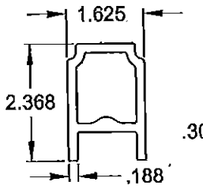
23 FIXED PANEL CLIP



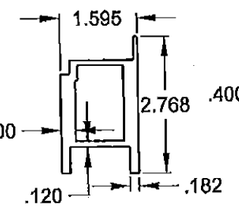
24 REINFORCEMENT PLATE



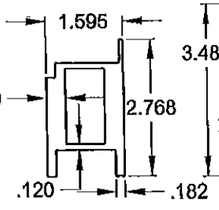
25 TOP, BOTTOM AND STILE REINFORCEMENT



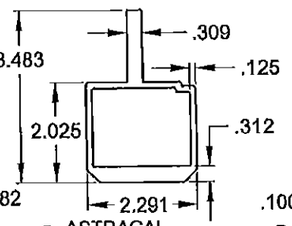
26 TOP, BOTTOM AND STILE COMPOSITE REINFORCEMENT



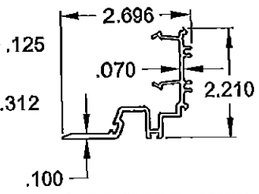
27 INTERLOCK .300 REINFORCEMENT, STANDARD



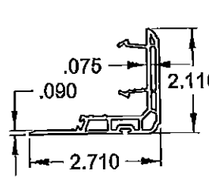
28 INTERLOCK .400 REINFORCEMENT, HEAVY-DUTY



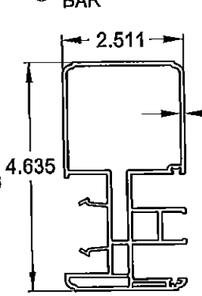
29 ASTRAGAL REINFORCEMENT



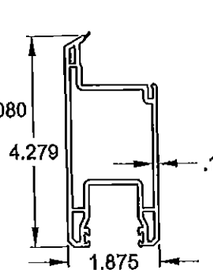
30 EXTENDED POCKET INTERLOCK ADAPTER



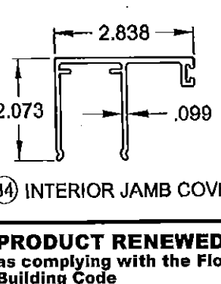
31 INTERLOCK ADAPTER



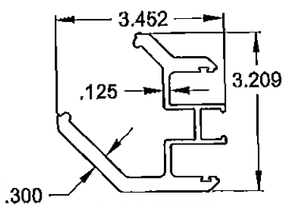
32 ASTRAGAL ADD-ON



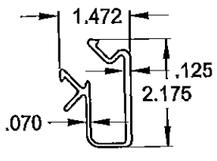
33 PANEL STILE, TOP AND BOTTOM RAIL



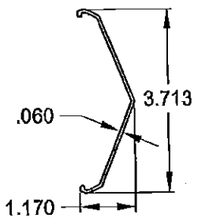
34 INTERIOR JAMB COVER



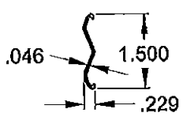
35 135° CORNER ASTRAGAL



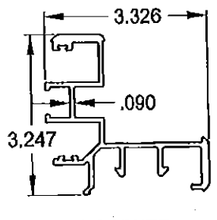
36 135° CORNER PASSIVE MOUNT



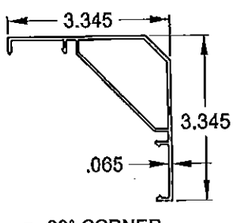
37 135° CORNER ASTRAGAL CAP, EXTERIOR



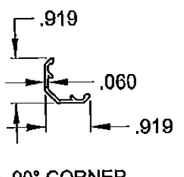
38 135° CORNER ASTRAGAL CAP, INTERIOR



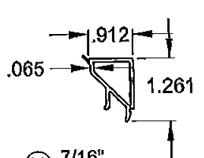
39 90° CORNER ASTRAGAL



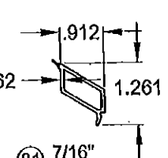
40 90° CORNER ASTRAGAL CAP, EXTERIOR



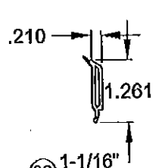
41 90° CORNER ASTRAGAL CAP, INTERIOR



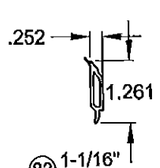
80 7/16" SQUARE BEAD



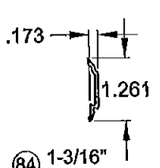
81 7/16" BEVELED BEAD



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.

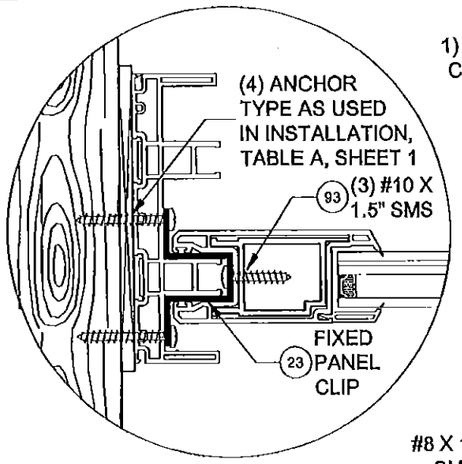
PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

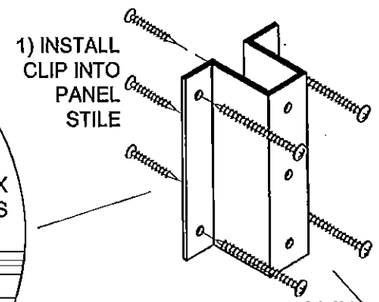
Impact Resistant Windows & Doors
WE'RE STRONGER™
10100 N.W. 25th Street
Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)					Date	10/05/15
Desc.	EXTRUSIONS				Drawn By	J ROSOWSKI	
Rev A					Rev A Date		
Rev B					Rev B Date		
Series	SGD-7650	Scale	NTS	Sheet	18 OF 21	DWG No.	MD-7650.0	Rev. No.	

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16
A. LYNN MILLER, P.E.
P.E.# 58705



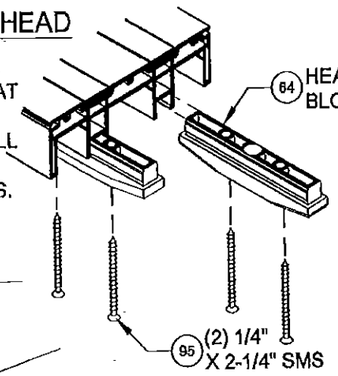


FIXED PANEL CLIP

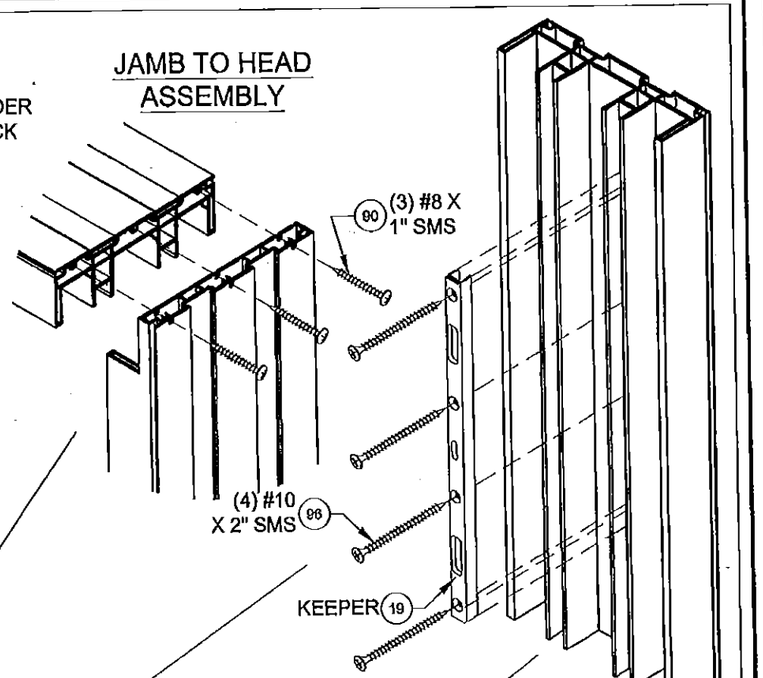
INSTALL ONE CLIP AT THE MIDSPAN OF EACH FIXED PANEL-TO-FRAME JAMB LOCATION.

HEADER BLOCK TO HEAD ATTACHMENT

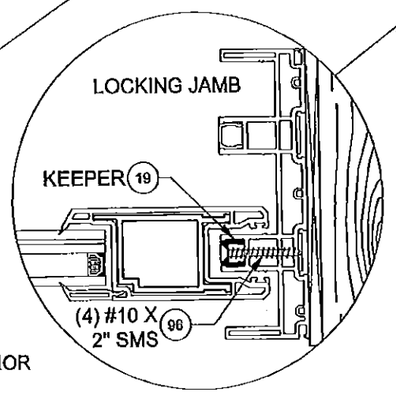
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.

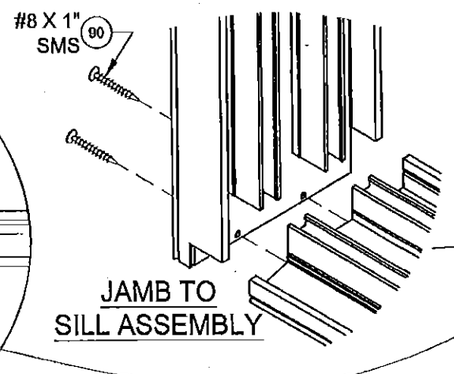


JAMB TO HEAD ASSEMBLY

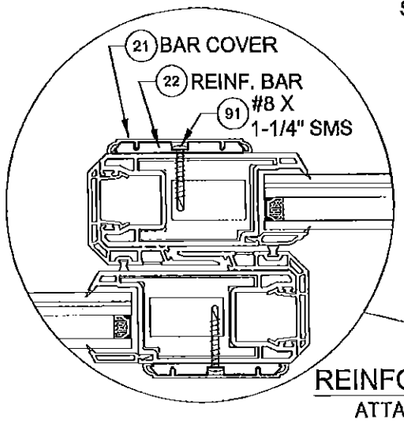


KEEPER TO JAMB ATTACHMENT



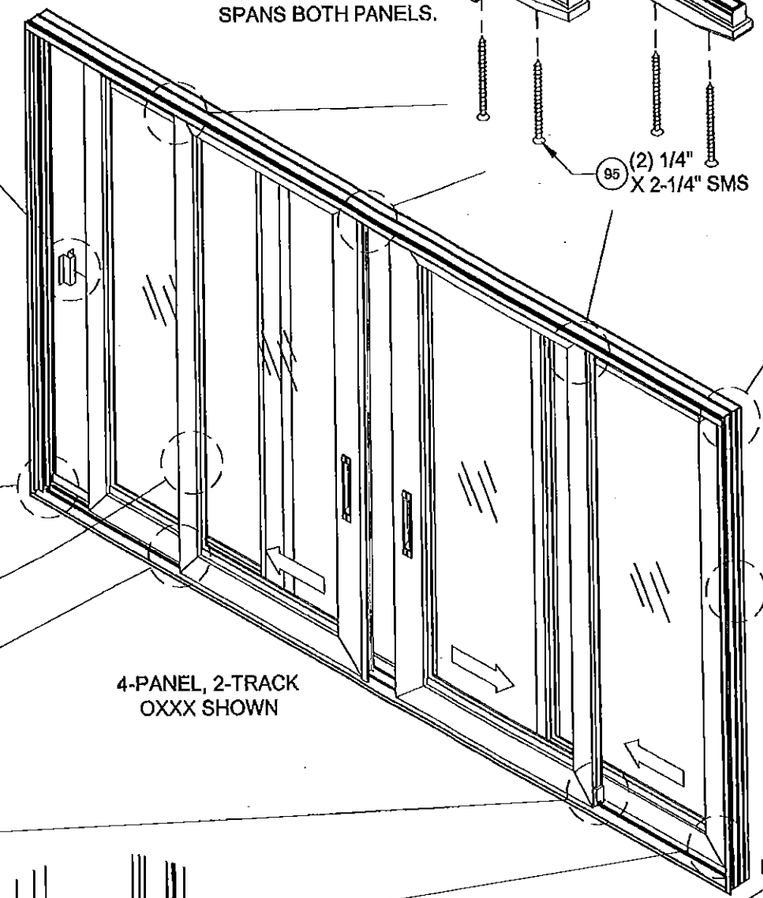


JAMB TO SILL ASSEMBLY



REINFORCEMENT PLATE

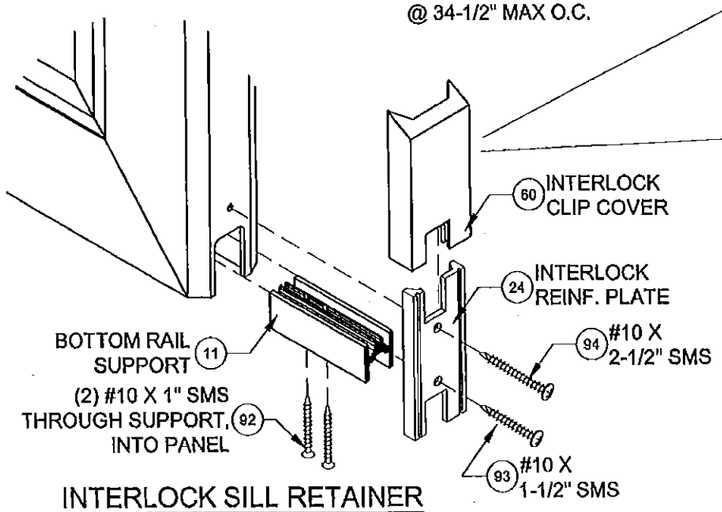
ATTACH WITH #8 X 1-1/4" @ 34-1/2" MAX O.C.



4-PANEL, 2-TRACK OXXX SHOWN

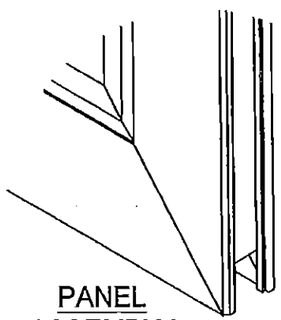
INTERIOR

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 11-16 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

Impact Resistant Windows & Doors
WE'RE STRONGER™
10100 N.W. 25th Street
Miami, FL 33172
Tel: 305.593.6590 Fax: 305.593.6592

PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #20296

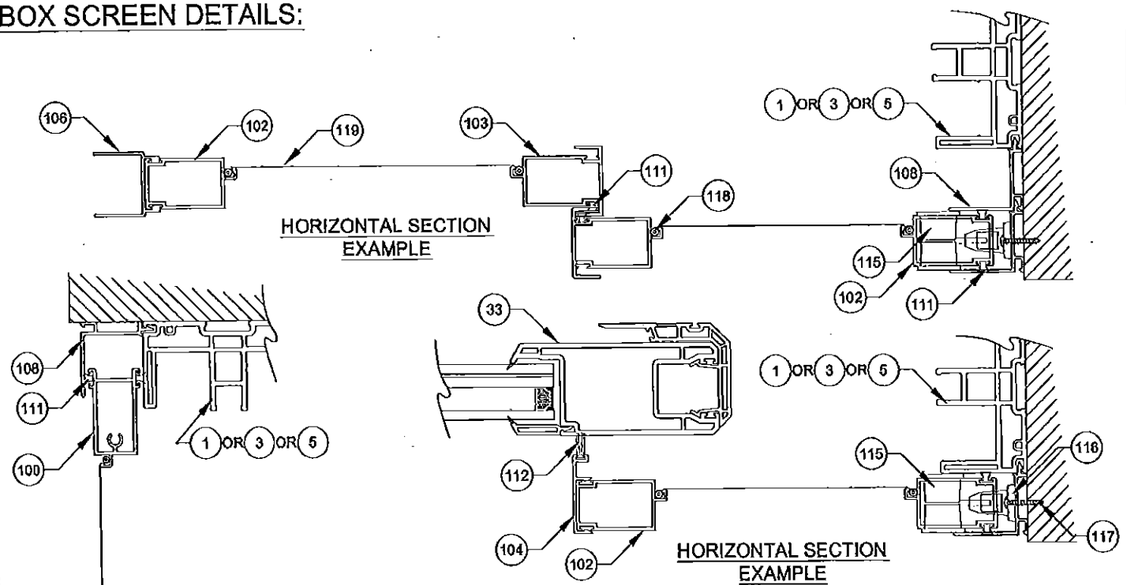
Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Descr.	ACCESSORIES INSTALLATION			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	19 OF 21
DWG No.	MD-7650.0	Rev. No.			

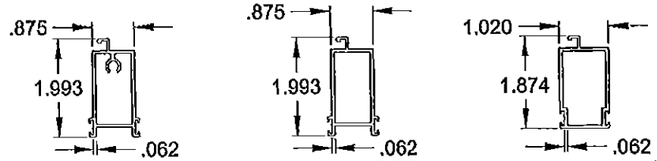
PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 15-1210.03
Expiration Date 04/14/2021
By
Miami-Dade Product Control

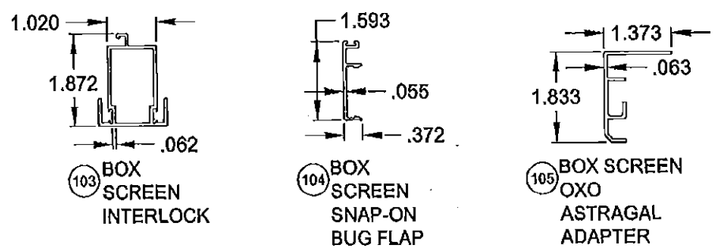
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16

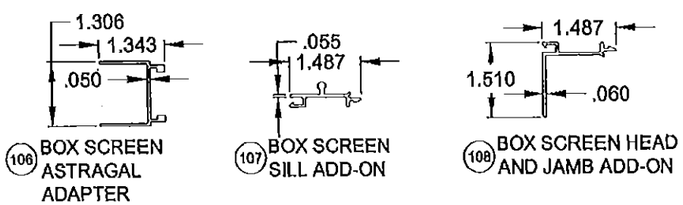
A. LYNN MILLER, P.E.
P.E.# 58705

BOX SCREEN DETAILS:

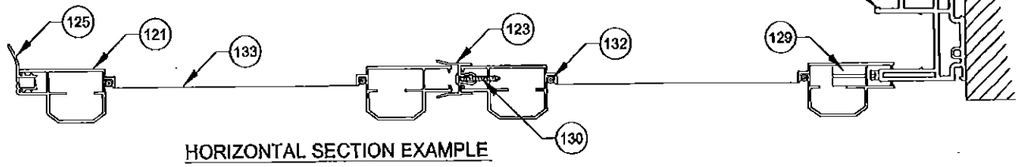


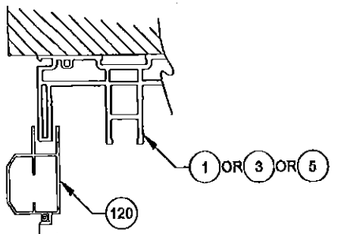


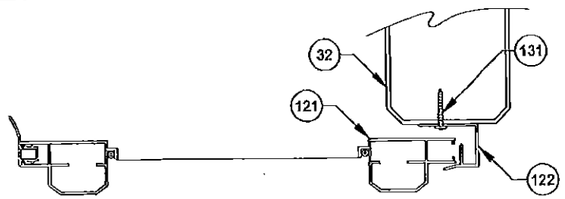


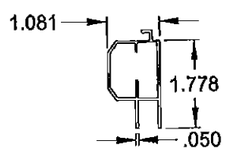


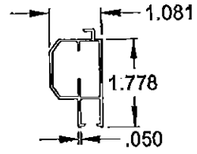
STANDARD SCREEN DETAILS:

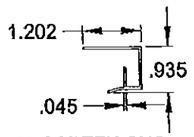


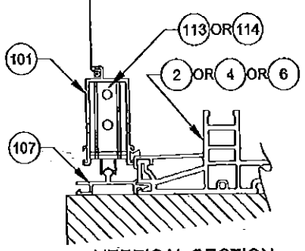


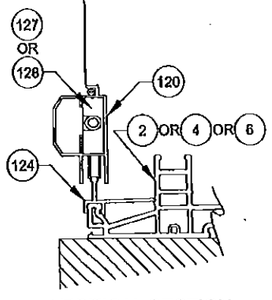


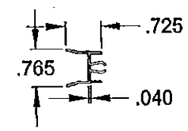


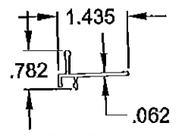












PRODUCT RENEWED
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NOA-No. 15-1210.03
Expiration Date 04/14/2021
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Miami-Dade Product Control

NOTES:
1) ALL DIMENSIONS IN INCHES.

Impact Resistant Windows & Doors
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Tel: 305.593.6590 Fax: 305.593.6592
PREPARED BY: A. LYNN MILLER, P.E.
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
CERT. OF AUTH. #29286

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	SCREEN DETAILS			Drawn By	J ROSOWSKI
Rev A				Rev A Date	
Rev B				Rev B Date	
Series	SGD-7650	Scale	NTS	Sheet	20 OF 21
DWG No.	MD-7650.0	Rev. No.			

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/15/16
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	Interlock 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	19075	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	Interlock .300 Reinforcement, Std.	6005-T5 Alum.
28	19013M	Interlock .400 Reinforcement, HD	6005-T5 Alum.
29	19019M	Astragal Reinforcement	6005-T5 Alum.
30	19083	Extended Pocket Interlock Adaptor	6063-T6 Alum.
31	19073	Interlock Adaptor	Rigid PVC
32	19074	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
43	19070	Sill Riser - (3-1/2")	6063-T6 Alum.
44	19071	Sill Riser - (4-1/16")	6063-T6 Alum.
45	19072	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	#8 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 Corning 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 @ Keeper	SS
97	710X34PPX	#10 x 3/4" Ph. PH SMS @ Ext. Pkt. Int.	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 T6 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	#8 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, 98 & 99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

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PREPARED BY: A. LYNN MILLER, P.E.
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CERT. OF AUTH. #29296

Title	VINYL SLIDING GLASS DOOR NOA (LM)			Date	10/05/15
Desc.	PARTS LIST		Drawn By	J ROSOWSKI	
Rev 1				Rev 1 Date	
Rev 2				Rev 2 Date	
Series	SGD-7650	Scale NTS	Sheet 21 OF 21	DWG No. MD-7650.0	Rev. No.

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