



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

CGI WINDOWS and DOORS, INC.

**3780 W. 104th Street
Hialeah, FL 33018**

SCOPE:

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

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

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

DESCRIPTION: Series "Sentinel 150" Aluminum Sliding Glass Door w/ wo Reinforcements – L.M.I.

APPROVAL DOCUMENT: Drawing No. **SGD150LMI-NOA Rev A** (former **SGD150LMI-NOA Rev O**), titled Series "150 Sentinel Aluminum Sliding Glass Door", sheets 1 through 28 of 28, prepared by manufacturer, dated 07/21/20, signed and sealed by Lyn Miller, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Revision date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Pocket wall is not part of this approval and to be reviewed by AHJ.
2. See Design Pressure (DP) table: Sizes Vs glass types, Interlock reinforcing & sill riser and the max allowable panels for the entire unit, in sheet **13**. See anchor clusters DP capacity in sheet **15**. Lower capacity shall control for the entire assembly. For Doors w/ corners, see limitation note 4, below.
3. Max shim not to exceed 1/2" at Head/jambs & 1/2" at Sill (w/ High strength poured & hardened grout). The Sill to be installed w/ anchor type **B-2**, directly into conc.
4. Units containing 90° & 135° exterior corners must be limited to Max Dp= +/-60 PSF. See sheet **22** for anchor layout.

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 & renews** NOA # **19-0603.03** and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4, E-5 and E-6, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 20-0729.06
Expiration Date: September 22, 2025
Approval Date: September 10, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W10-31 Rev L**, titled Series "Sentinel 150 Alum Sliding Glass Door", sheets 1 through 28 of 28, prepared by Al-Farooq Corporation, dated 05/20/10 and last revised on 01/11/16, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small 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 8-panel, Alum SGD w/ Pockets & 135° and 90° corners, prepared by Architectural Testing, Inc., Test Report No. **D8502.01-450-18**, dated 12/07/15 respectively, both signed and sealed by Joseph A. Reed, P.E.(submitted under file #15-0619.06)

2. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of 6-panels Alum SGD w/ Pockets & OXXX, prepared by Certified Testing Laboratories, Test Report No. **CTLA -3011-W & -W-1**, dated May 22 & 23, 2014 respectively, both signed and sealed by Ramesh Patel, P. E.
(Note this test reports have been revised by an addendum letter dated SEP 24, 2014, issued by Certified Testing lab.)

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

along with marked-up drawings and installation diagram of a series 7500FW Vinyl Flange Frame Impact Fixed Window, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Testing Laboratories, Test Report No. **CTLA-3056 WA** dated 03/03/15, signed and sealed by Ramesh Patel, P. E.

along with marked-up drawings and installation diagram of a series 7400PO Vinyl Impact Flange Frame Project Out Windows, to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Testing Laboratories, Test Report No. **CTLA-3056 WB** dated 03/03/15, signed and sealed by Ramesh Patel, P. E.

along with marked-up drawings and installation diagram of a series 238 Aluminum Fixed Flange Frame Window with Vent to qualify DuPont "Butacite" PVB interlayer, Duraseal® and Super Spacer® insulating glass spacer, prepared by Certified Testing Laboratories, Test Report No. **CTLA-3056 WC** dated 04/16/15 and revised on 03/09/16. signed & sealed by Ramesh Patel, P. E.

— *Ishaq I. Chanda* —

Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 20-0729.06

Expiration Date: September 22, 2025

Approval Date: September 10, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue)

4. Test reports on:
- 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of Alum SGD, prepared by Hurricane test Laboratory, LLC, Test Report No. **HTL-0080-1208-090**, dated July 30, 2010, signed and sealed by Vinu J. Abraham, P. E. (submitted under files #12-0119.04/11-1031.05)

along with marked-up drawings and installation diagram of Alum. SGD (OX) prepared by Architectural Testing, Inc., Test Report No. **ATI-C0733.03-450-18**, dated 08/09/12, signed and sealed by Vinu J. Abraham, P. E. (submitted under files #13-1121.08 /#12-0821.16).

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, conformance to, complying with **FBC-2010** and with **FBC 5th Edition (2014)**, prepared by Al-Farooq Corporation, dated 02/24/16, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300- 09**.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to Kuraray America, Inc. for their “**Sentry Glas® (Clear and White) Glass Interlayers**”, expiring on 07/04/18.
2. Notice of Acceptance No. **14-0423.15** issued Eastman Chemical Company (MA) for their “**Saflex CP-Saflex and Saflex HP Composites Interlayer w/ PET core**”, expiring on 2/11/18.
3. Notice of Acceptance No. **15-1201.11** issued Eastman Chemical Company (MA) “**Saflex Clear and colored glass interlayer**”, expiring on 05/21/21.
4. Notice of Acceptance No. **14-0916.10** issued to Kuraray America, Inc. for their “**Butacite® PVB Glass Interlayer**”, expiring 12/11/16.

F. STATEMENTS

1. Statement letter of conformance to, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated 02/24/16, signed and sealed by Javad Ahmad, P. E.
2. Addendum letter dated SEP 24, 2014, issued by Certified Testing lab, signed and sealed by Ramesh Patel, P. E.
3. Lab Compliance statement, part of above referenced test report.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0729.06
Expiration Date: September 22, 2025
Approval Date: September 10, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA **revises** NOA # **15-0619.06**, expiring on Sep. 22, 2020.
2. Test proposal for the qualification of **Butacite®** PVB glass interlayer by Kuraray America, Inc., as well as **Duraseal®** and **Super Spacer® Standard** warm-edge flexible insulating glass spacers, dated December 16, 2014, issued by RER, Product Control Section, signed by Jaime Gascon, P.E.
3. Test proposal # **14-0198**, approved on 02/26/2014, signed by Ishaq I. Chanda, P.E.
4. Test proposals # **13-1098**, approved on Oct 02, 2013 and revised on FEB 24, 2014, signed by Manuel Perez, P.E., test proposal # **11-1225** dated DEC 16, 2011 signed by Jaime D. Gascon, P.E. Test proposal # **09-1073**, approved on Nov. 05, 2009 and E-mail test proposal dated 07-19-2010, approved by BCCO.

2. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **W10-31 Rev O**, titled Series “150 Sentinel Aluminum Sliding Glass Door”, sheets 1 through 28 of 28, prepared by Al-Farooq Corporation, dated 05/20/10 and last revised on MAR 05, 2018, signed and sealed by Javad Ahmad, P. E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Letter of conformance to FBC 2017 (6th edition) and No Financial interest, prepared by Al-Farooq Corporation, dated 09/14/17, signed and sealed by Javad Ahmad, P. E.

G. OTHER

1. This NOA **revises** NOA # **17-1011.18**, expiring 09/22/2020.

3. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **SGD150LMI-NOA Rev O** (former **W10-31 Rev O**), titled Series “150 Sentinel Aluminum Sliding Glass Door”, sheets 1 through 28 of 28, prepared by manufacturer, dated 05/22/19, signed and sealed on 05/23/19 by Lyn Miller, P. E.
(Note: This revision consists of Successor Engineer adopting another Engineer work as his own and addition of Dow 983 silicone)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0729.06
Expiration Date: September 22, 2025
Approval Date: September 10, 2020

CGI WINDOWS and DOORS, INC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. REF Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202–94
2) Large Missile Impact Test per FBC, TAS 201–94
3) Cyclic Wind Pressure Loading per FBC, TAS 203–94
along with marked-up drawings of an aluminum SGD, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL 19-936**, dated 04/15/19, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS (submitted under file # 17-1011.18)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for their “**Sentry Glas® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
2. Notice of Acceptance No. **18-0103.01** issued Eastman Chemical Company (MA) (Former Solutia Inc.) for their “**Saflex CP-Saflex and Saflex HP Composites Interlayer w/ PET core**”, expiring on 12/11/23.
3. Notice of Acceptance No. **15-1201.11** issued Eastman Chemical Company (MA) (Former Solutia Inc.) “**Saflex Clear and colored glass interlayer**”, expiring on 05/21/21.
4. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for their “**Trofosil® Ultra Clear, clear & color PVB Glass Interlayer**”, expiring 07/08/24.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, dated May 23, 2019, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
2. Statement letter of no financial interest, dated May 23, 2019, issued by manufacturer, signed and sealed by A. Lynn Miller, P.E.
3. Test Proposal No. **19-0219** issued by the Product Control Section, dated March 13, 2019, signed by Ishaq Chanda, P.E.
4. Notification of Successor Engineer for manufacturer’s NOA document per **Section 61G15-27.001** of the **Florida Administrative Code**, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated May 22, 2019, signed and sealed by A. Lynn Miller, P.E.

G. OTHER

1. This NOA revises **NOA # 17-1218.20**, expiring 09/22/2020.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0729.06
Expiration Date: September 22, 2025
Approval Date: September 10, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. New Evidence submitted

A. DRAWINGS

1. Drawing No. **SGD150LMI-NOA Rev A** (former **SGD150LMI-NOA Rev O**), titled Series "150 Sentinel Aluminum Sliding Glass Door", sheets 1 through 28 of 28, prepared by manufacturer, dated 07/21/20, signed and sealed by Lyn Miller, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per ASTM F588 and TAS 202-94

along with marked-up drawings and installation diagram of all CGI Windows and Doors, Inc. and PGT Industries, Inc., representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, per Proposal #19-1155TP, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.:

CGI Windows and Doors Inc. test specimens:

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

PGT Industries, Inc. test specimens:

FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal) **FTL-20-2107.2**, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal) **FTL-20-2107.3**, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and **FTL-20-2107.4**, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) all dated 07/13/20 and signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 7th Edition (2020)**, dated 07/20/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04, -09, -12 and -16**.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0729.06
Expiration Date: September 22, 2025
Approval Date: September 10, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **“SentryGlas® (Clear and White) Glass Interlayers”**, expiring on 07/04/23.
2. Notice of Acceptance No. **18-0301.06** issued to Eastman Chemical Company (MA) (former Solutia, Inc.) for their **“Saflex CP- Saflex and Saflex HP Composite Glass Interlayers with PET Core”**, expiring on 12/11/2023.
3. Notice of Acceptance No. **15-1201.11** issued Eastman Chemical Company (MA) (Former Solutia Inc.) **“Saflex Clear and colored glass interlayer”**, expiring on 05/21/21.
4. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (former E.I. DuPont De Nemours & Co., Inc.) for their **“Trofossil® Ultra Clear, clear & color PVB Glass Interlayer”**, expiring 07/08/24

F. STATEMENTS

1. Statement letters of conformance to FBC 2020(7th Edition), dated 07/20/20, prepared, signed & sealed by Lynn Miller, P. E.
2. Statement of Lab compliance as part of the test report.

G. OTHER

1. This NOA **revises & renews NOA #19-0603.03**, for FBC 2020 update, expiring 09/22/25.
2. RER Test proposals **#19-1155** dated 01/10/20 approved by Ishaq I. Chanda, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0729.06
Expiration Date: September 22, 2025
Approval Date: September 10, 2020

"SENTINEL" SERIES SGD150A ALUMINUM SLIDING GLASS DOOR

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

DOORS ALLOWED FOR MAX. NUMBER OF PANELS AS LISTED ON
DESIGN LOAD CAPACITY CHART ON SHEET 13 OF 28, USING
MEETING STILE COMBINATIONS TESTED AND SHOWN IN DRAWING DETAILS.

APPLICABLE EGRESS REQUIREMENTS PER FBC TO BE REVIEWED
BY BUILDING OFFICIAL.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE
DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS
TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS
AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE
MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,
AND TO BE REVIEWED BY BUILDING OFFICIAL.


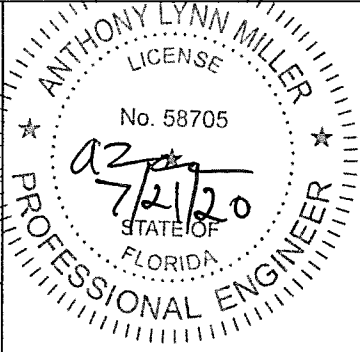
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

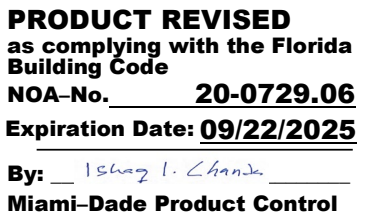
INSTRUCTIONS:

USE CHARTS AS FOLLOWS.


- STEP 1 DETERMINE DESIGN WIND LOAD REQUIREMENT BASED
ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE
USING APPLICABLE ASCE 7 STANDARD.
- STEP 2 DETERMINE DOOR CAPACITY FROM TABLES ON SHEET 13
FOR THE GLASS TYPE AND REINFORCING TO USE.
- STEP 3 USING CHARTS ON SHEET 15 SELECT ANCHOR OPTION
WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED
IN STEP 1 ABOVE.
- STEP 4 THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3
SHALL APPLY TO ENTIRE SYSTEM.

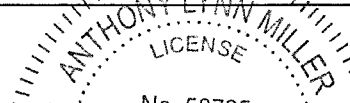
LAMINATED GLASS AND
LAMINATED INSULATING GLASS
LARGE/SMALL MISSILE IMPACT

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (LMI)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: COVER, INSTRUCTIONS			Date: 5/22/19			
Revision: UPDATED TO FBC 2020, ADDED ANCHORS & BACK.			Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: NTS	Sheet: 1 OF 28	Drawing No. SGD150LMI-NOA			

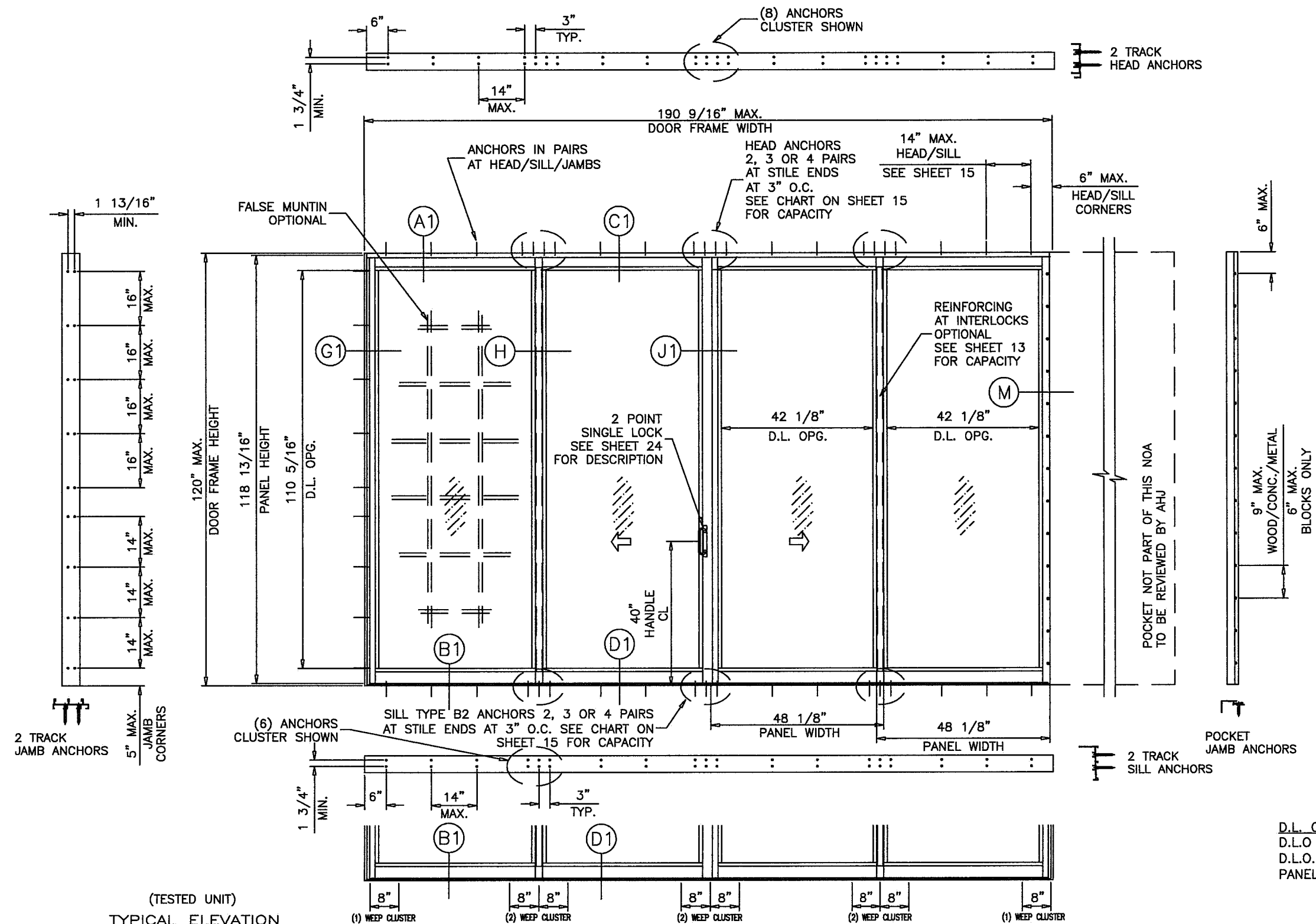


D.L. OPENING
D.L.O. HEIGHT = DOOR FRAME HEIGHT - 9 11/16"
D.L.O. WIDTH = NOM. PANEL WIDTH - 6"
PANEL HEIGHT = DOOR FRAME HEIGHT - 1 3/16"

Title:		SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)		Drawn By:		AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™	
Description:		ELEVATION		Date:		5/22/19		CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	
Revision:				Rev. By:		Rev. Date:		PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
NO CHANGES THIS SHEET				AGK		7/21/20			
Series/Model:	Scale:	Sheet:	Drawing No.		Rev:	REGISTRATION #29296			
SGD-150 LMI	N.T.S.	2 OF 28	SGD150LMI-NOA		A				




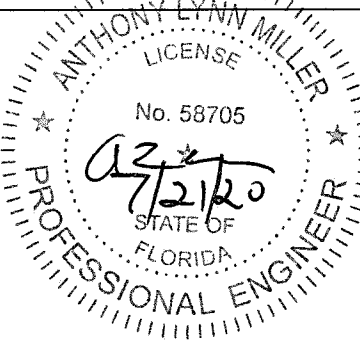
A. LYNN MILLER, P.E. P.E.# 58705



REFER TO PAGES 14, 15, 17 & 18 FOR WEEP SIZE.

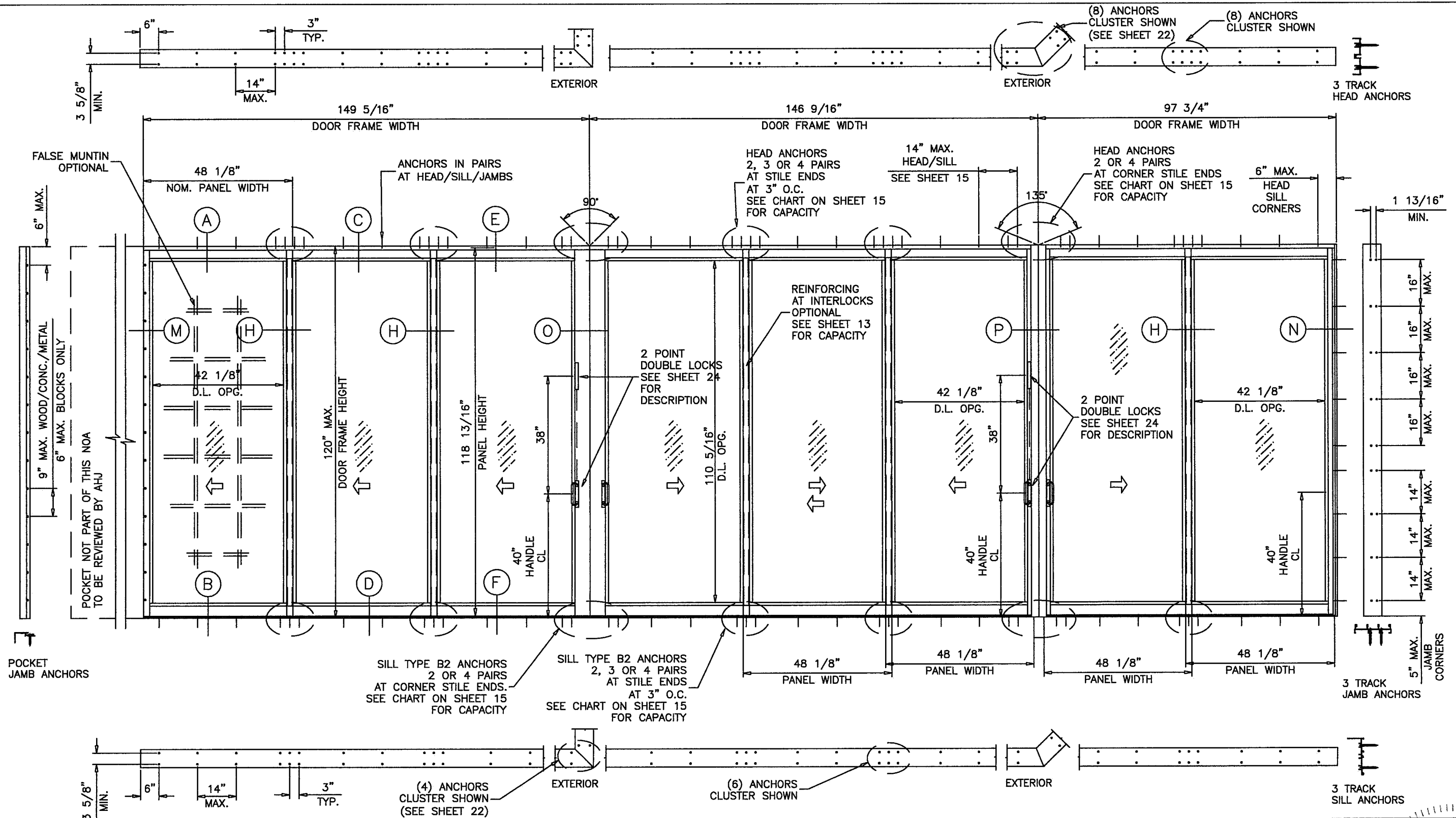
D.L. OPENING
D.L.O HEIGHT = DOOR FRAME HEIGHT - 9 11/16"
D.L.O. WIDTH = NOM. PANEL WIDTH - 6"
PANEL HEIGHT = DOOR FRAME HEIGHT - 1 3/16"

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ismael I. Chan
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Description: ELEVATION				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 3 OF 28	Drawing No. SGD150LMI-NOA		Rev: A		


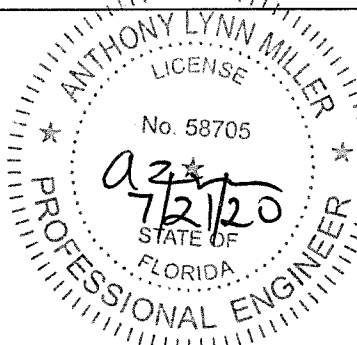
A. LYNN MILLER, P.E. P.E.# 58705

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

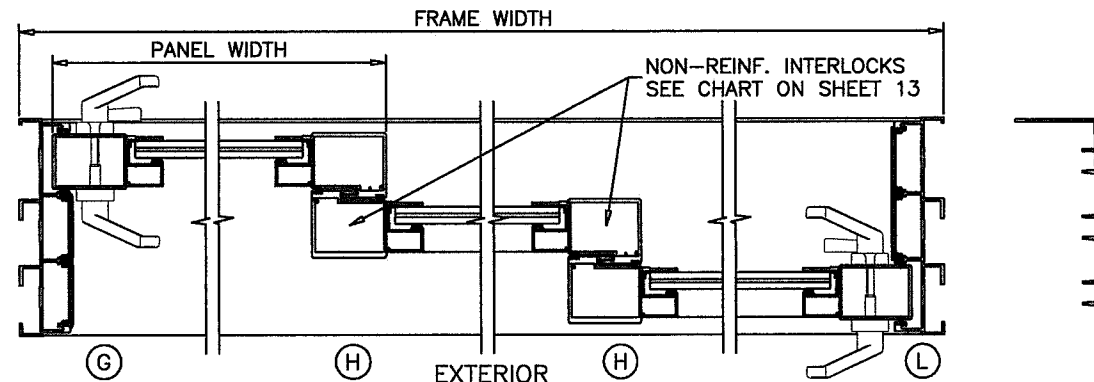
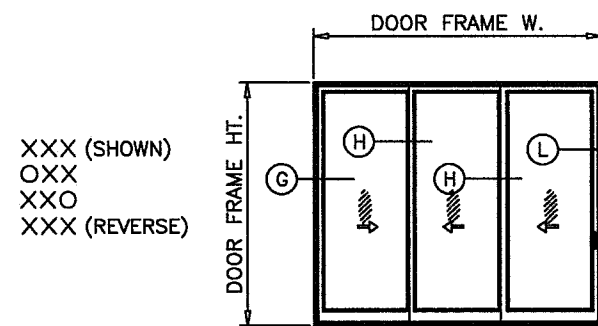


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

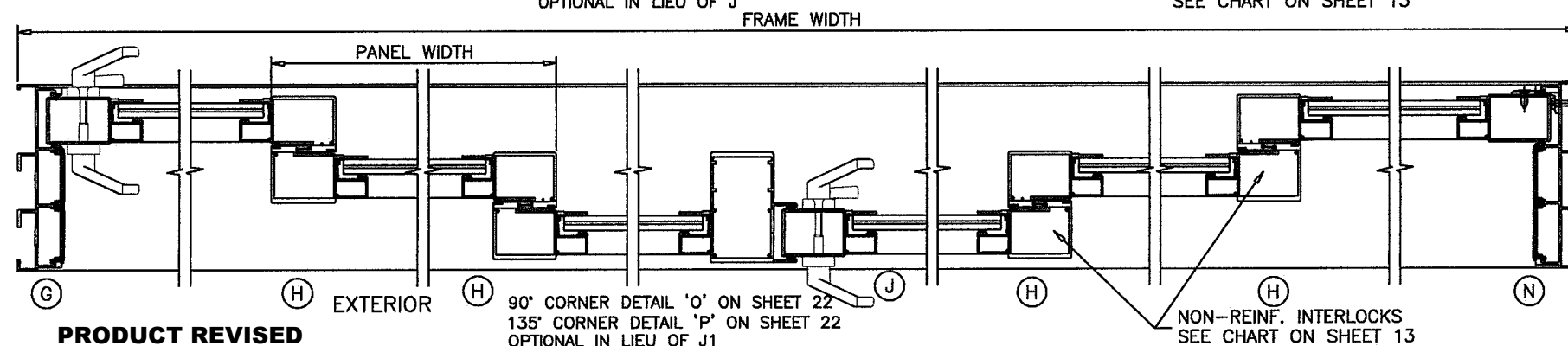
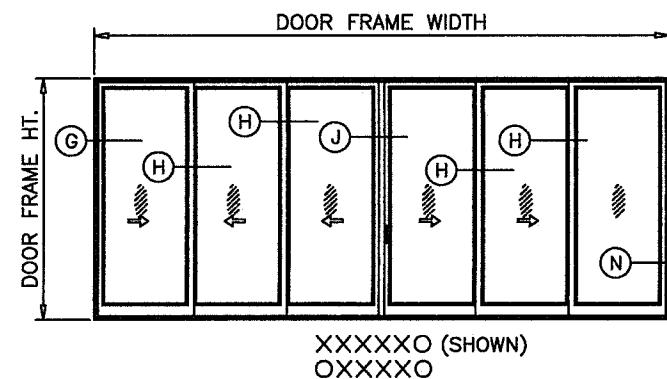
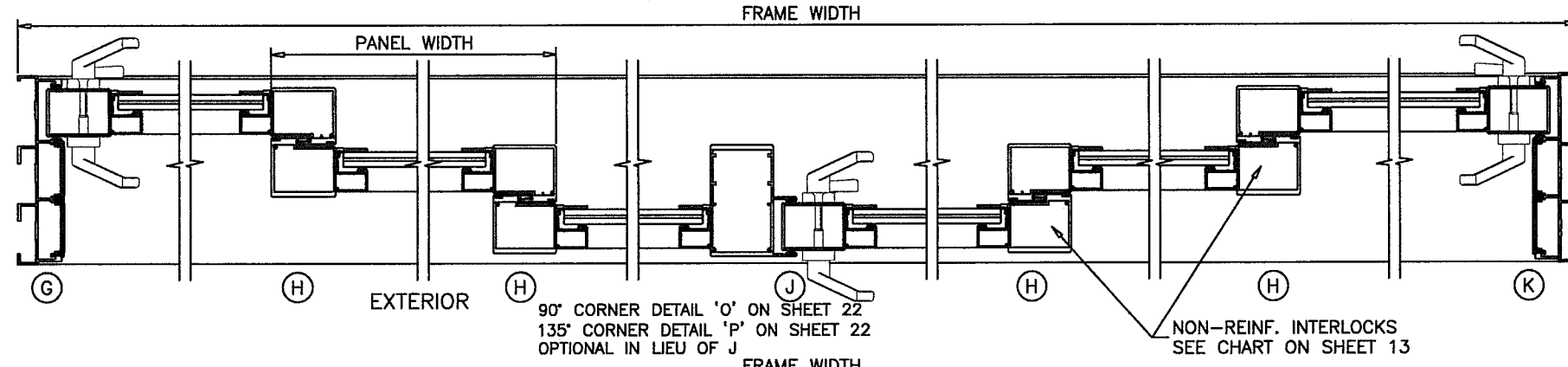
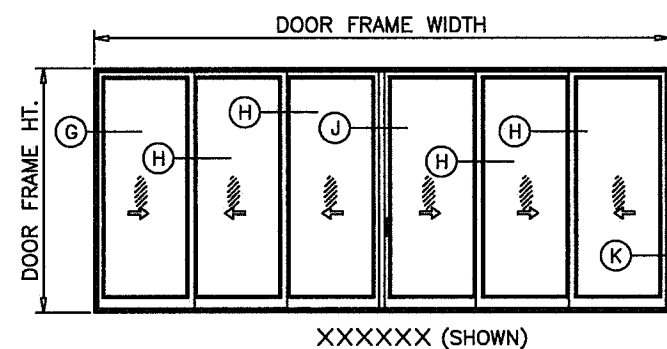
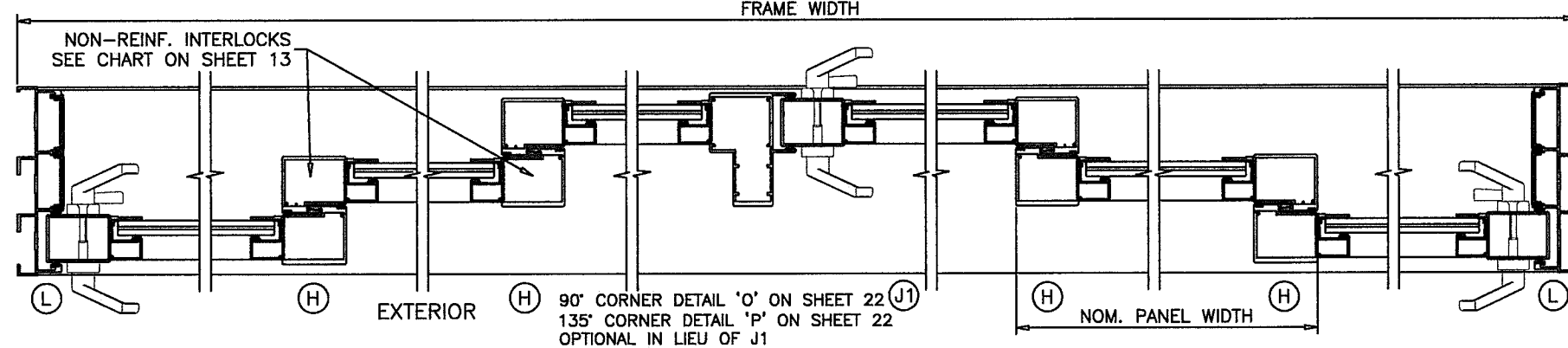
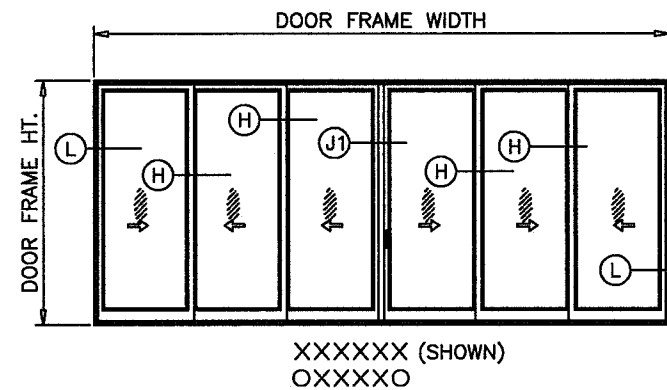
(TESTED UNIT)
TYPICAL ELEVATION

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: ELEVATION				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 4 OF 28	Drawing No. SGD150LMI-NOA	Rev: A			

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



THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES
LIMIT MAX. DESIGN LOADS TO ±60.0 PSF



APPROVED CONFIGURATIONS

NON-POCKETED DOORS (NON-REINFORCED SHOWN)
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

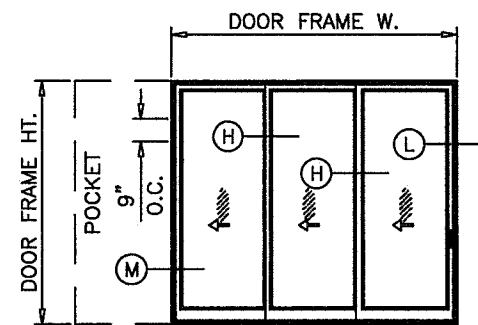
THREE (3) TRACKS

NOTE:

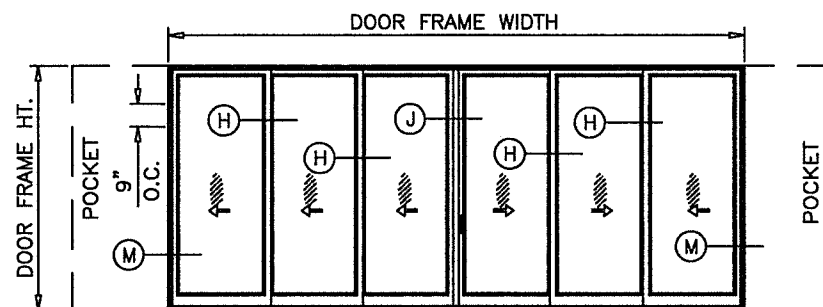
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

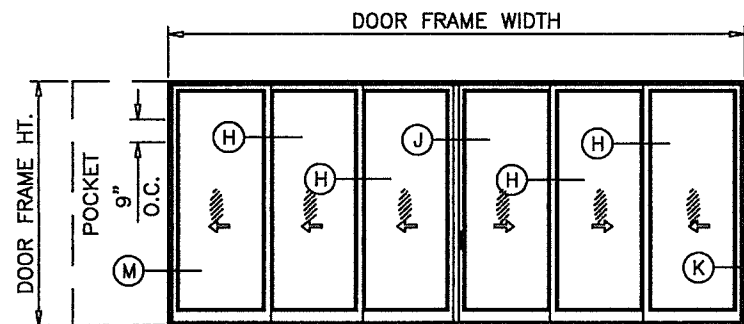
Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)		Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	 ANTHONY LYNN MILLER LICENSE No. 58705 7/21/20 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705
Description: CONFIGURATIONS		Date: 5/22/19			
Revision: NO CHANGES THIS SHEET		Rev. By: AGK	Rev. Date: 7/21/20	PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 5 OF 28	Drawing No. SGD150LMI-NOA	Rev: A	
REGISTRATION #29296					



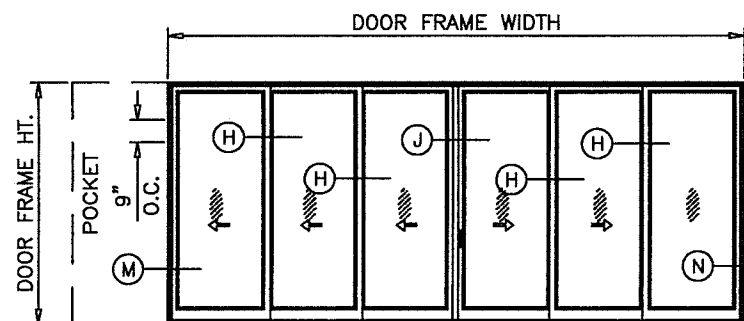
PXXX(SHOWN)
XXXP



PXXXXXXP (SHOWN)



PXXXXXX(SHOWN)
XXXXXXP



PXXXXXO(SHOWN)

APPROVED CONFIGURATIONS OXXXXXP

POCKETED DOORS

(NON-REINFORCED SHOWN)

SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS
NOTE:

THREE (3) TRACKS

POCKETS ARE NOT PART OF THIS APPROVAL
AND TO BE REVIEWED BY AHJ.

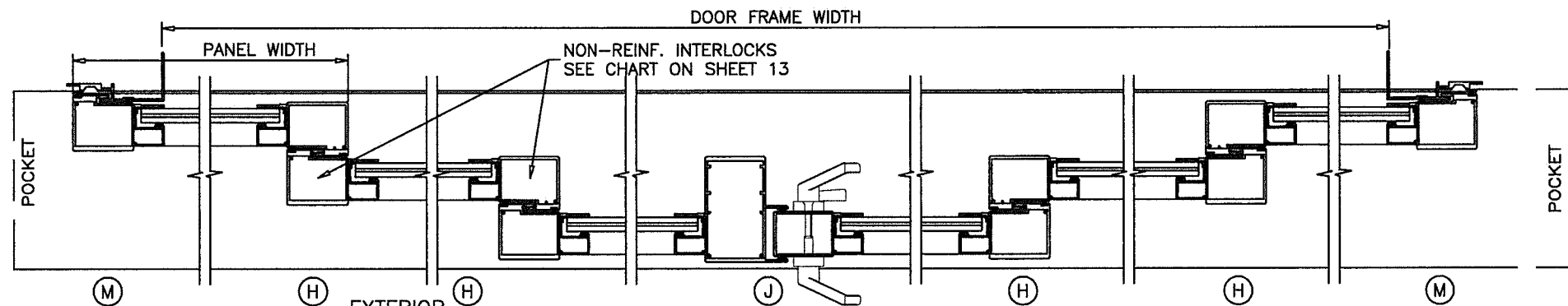
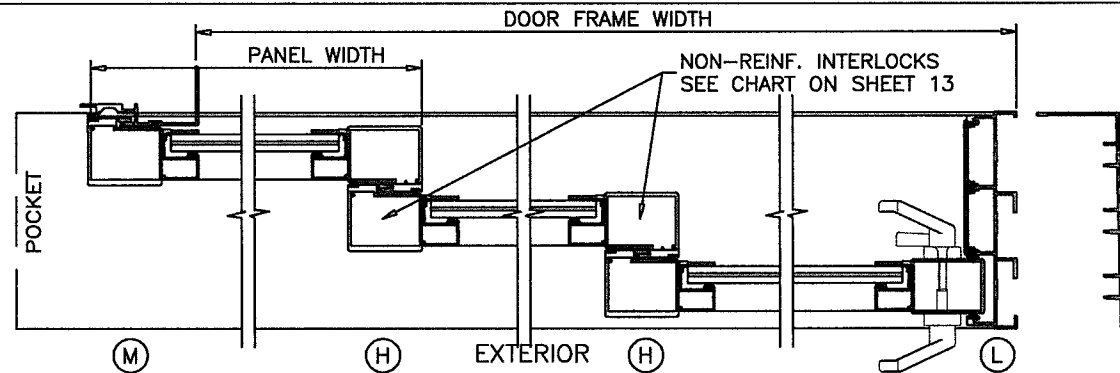
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

PRODUCT REVISED
as complying with the Florida
Building Code

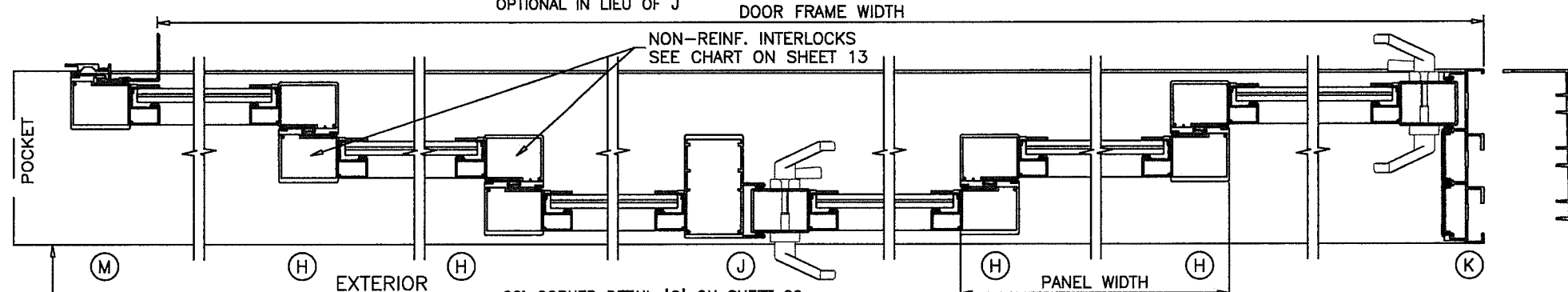
NOA-No. **20-0729.06**

Expiration Date: **09/22/2025**

By: Isaac I. Chan
Miami-Dade Product Control

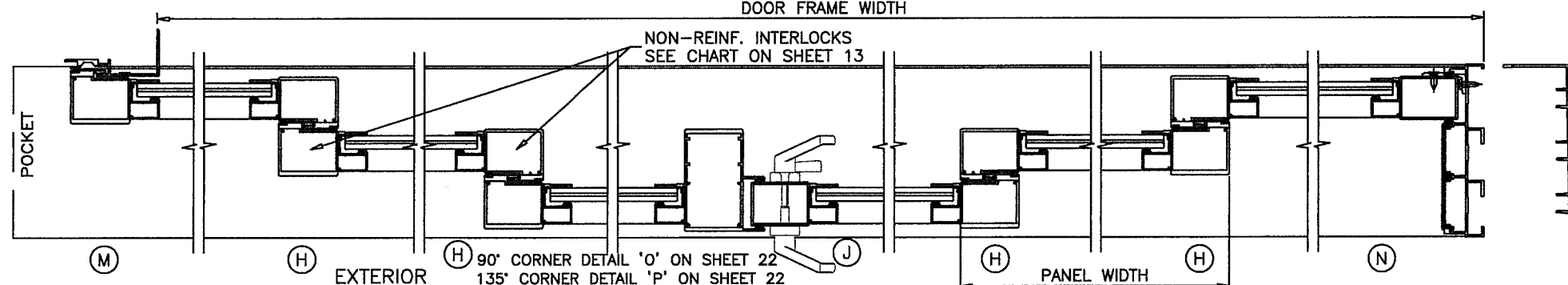


90° CORNER DETAIL 'O' ON SHEET 22
135° CORNER DETAIL 'P' ON SHEET 22
OPTIONAL IN LIEU OF J



POCKET CAVITY NOT BY CGI
NOT PART OF THIS NOA

90° CORNER DETAIL 'O' ON SHEET 22
135° CORNER DETAIL 'P' ON SHEET 22
OPTIONAL IN LIEU OF J



90° CORNER DETAIL 'O' ON SHEET 22
135° CORNER DETAIL 'P' ON SHEET 22
OPTIONAL IN LIEU OF J

THIS APPROVAL QUALIFIES DOORS WITH APPROVED
CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS
WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22
ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES
LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

Title:
SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)

Drawn By:
AGK

Description:
CONFIGURATIONS

Date:
5/22/19

Revision:
NO CHANGES THIS SHEET

Rev. By: AGK
Rev. Date: 7/21/20

Series/Model:
SGD-150 LMI

Scale:
N.T.S.

Sheet:
6 OF 28

Drawing No.
SGD150LMI-NOA

Rev:
A

Impact Resistant
Windows & Doors
WE'RE STRONGER™

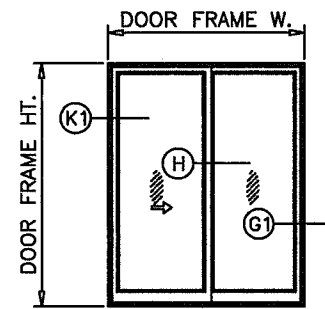
CGI DOORS AND WINDOWS, INC.
3780 W 104TH STREET
HIALEAH, FL 33018
(305) 593-6590

PREPARED BY LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

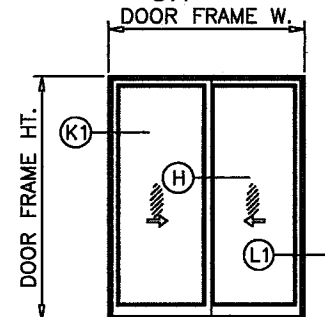
REGISTRATION #29296

ANTHONY LYNN MILLER
LICENSE
No. 58705
7/2/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

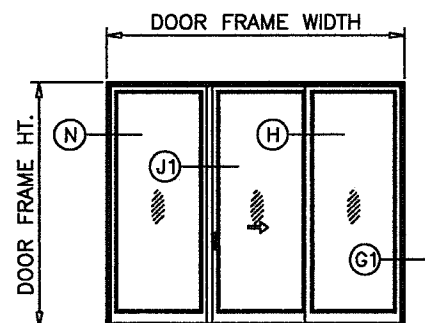
A. LYNN MILLER, P.E. P.E.# 58705



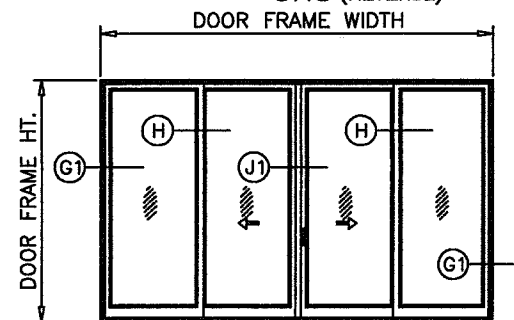
XO (SHOWN)
OX



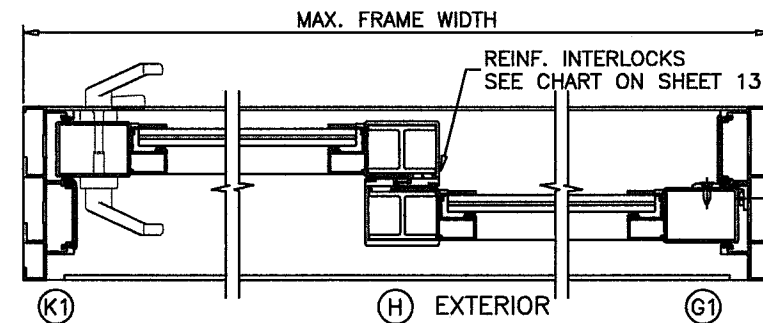
XX



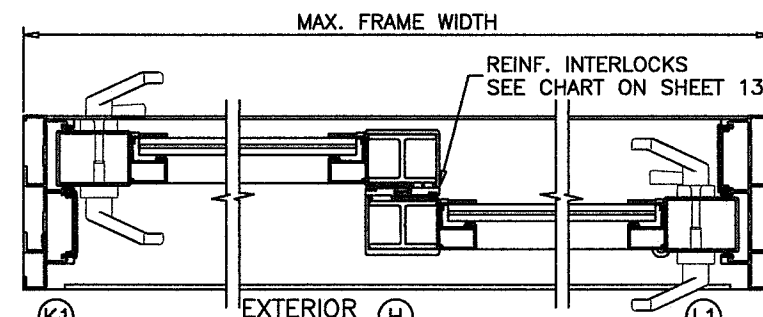
OXO (SHOWN)
OXO (REVERSE)



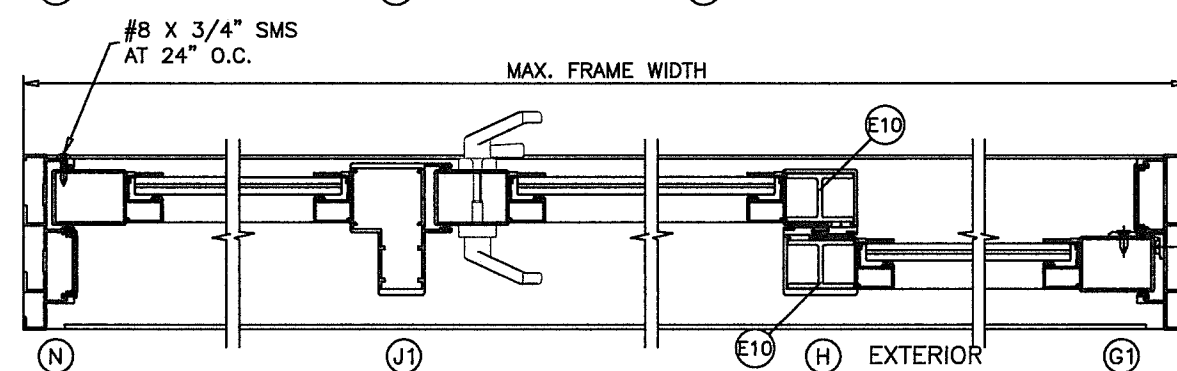
OXXO
XXXX (SIMILAR)



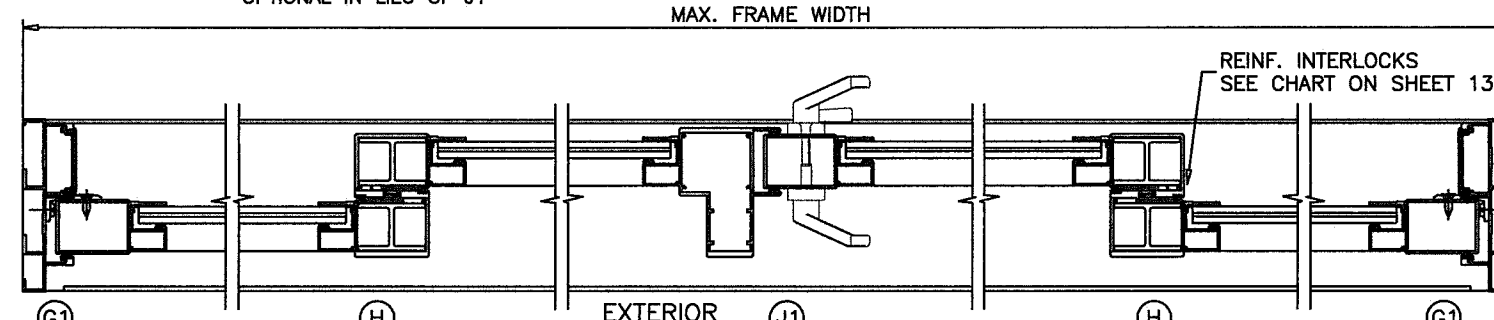
EXTERIOR



EXTERIOR



EXTERIOR



EXTERIOR

THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Isaac I. Chank
Miami-Dade Product Control

APPROVED CONFIGURATIONS

NON-POCKETED DOORS


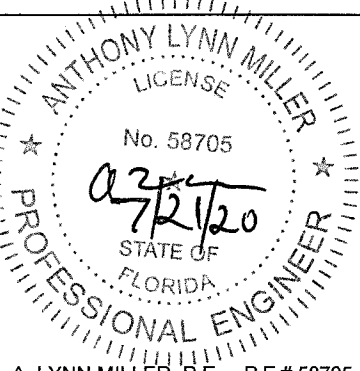
(NON-REINFORCED SHOWN)

SEE SHEET 13 FOR D_p AND REINFORCING OPTIONS

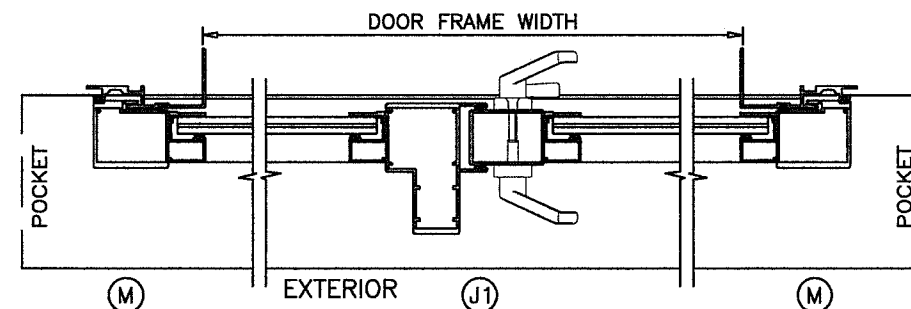
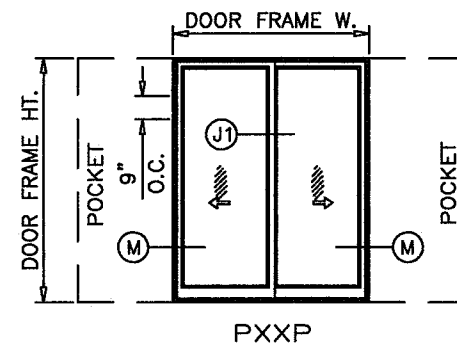
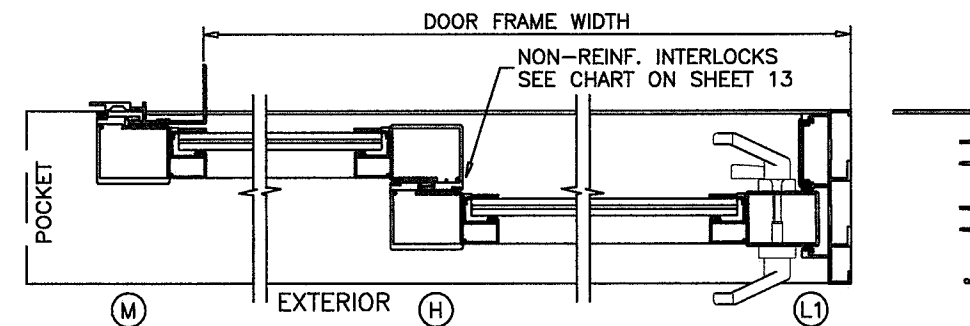
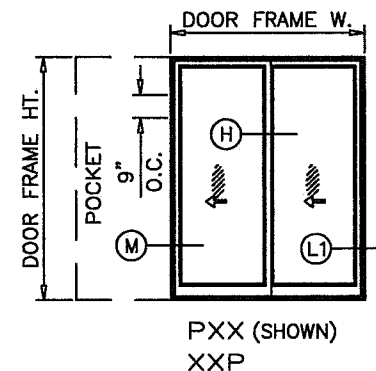
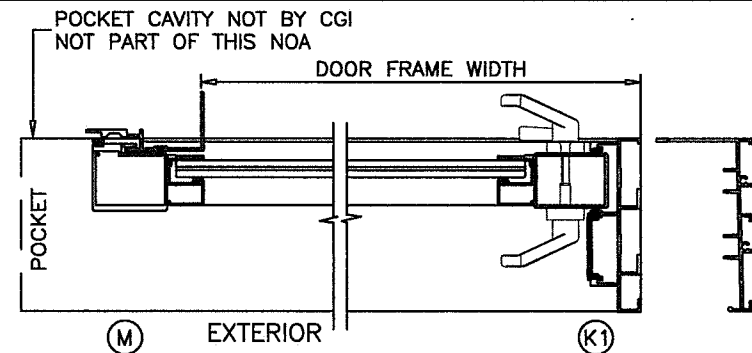
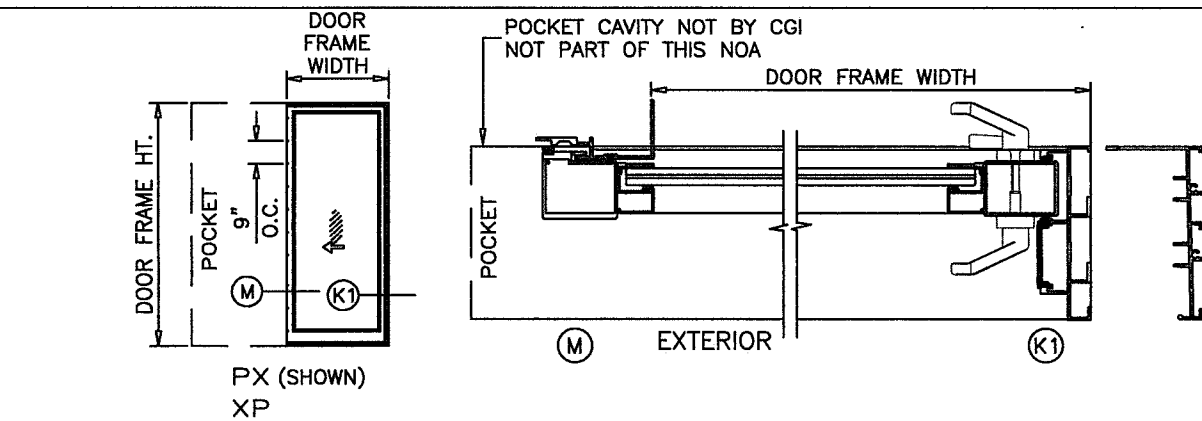
TWO (2) TRACKS

NOTE:

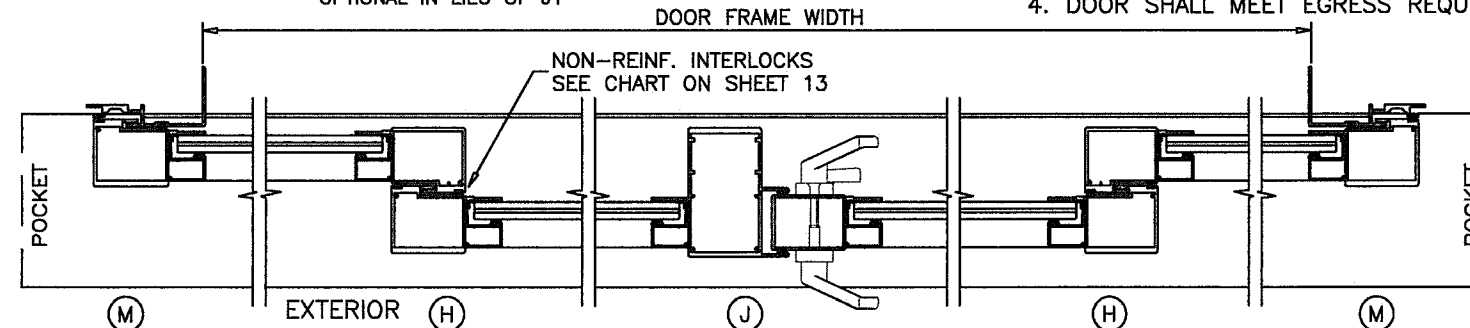
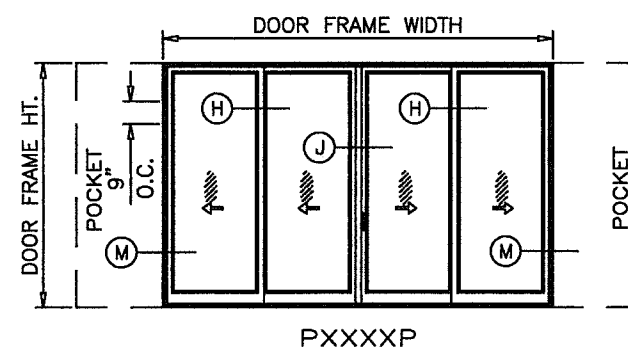
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)		Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		 A. LYNN MILLER, P.E. P.E.# 58705
Description: CONFIGURATIONS		Date: 5/22/19				
Revision: NO CHANGES THIS SHEET		Rev. By: AGK	Rev. Date: 7/21/20			
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 7 OF 28	Drawing No. SGD150LMI-NOA	Rev: A	REGISTRATION #29296	

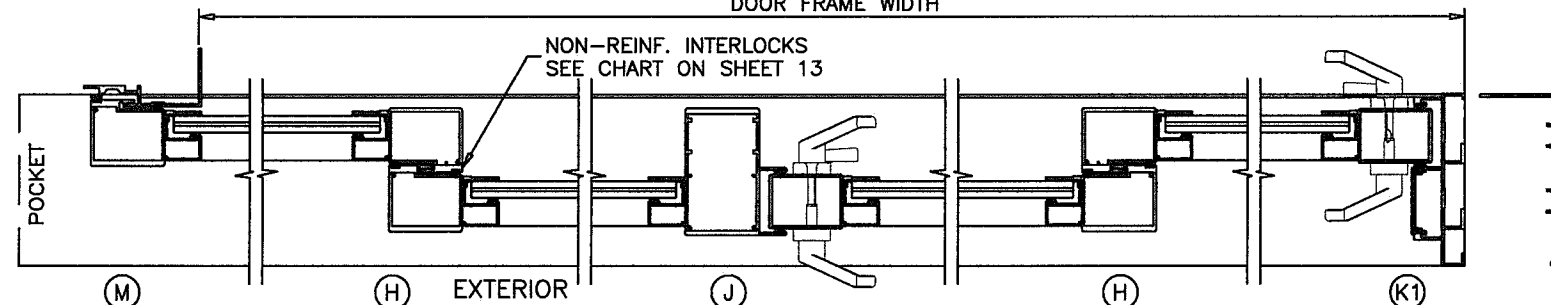
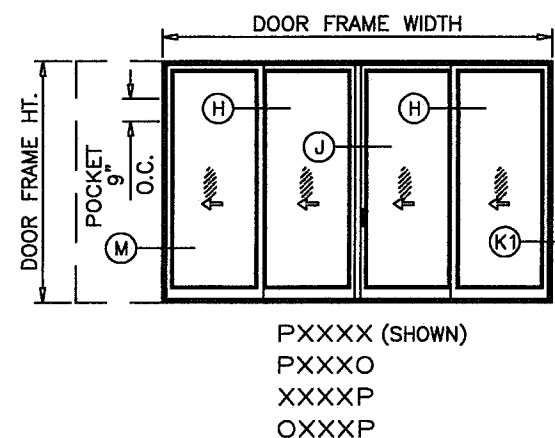
A. LYNN MILLER, P.E. P.E.# 58705



90° CORNER DETAIL 'O' ON SHEET 22
135° CORNER DETAIL 'P' ON SHEET 22
OPTIONAL IN LIEU OF J1



90° CORNER DETAIL 'O' ON SHEET 22
135° CORNER DETAIL 'P' ON SHEET 22
OPTIONAL IN LIEU OF J1
DOOR FRAME WIDTH



90° CORNER DETAIL 'O' ON SHEET 22
135° CORNER DETAIL 'P' ON SHEET 22
OPTIONAL IN LIEU OF J1

THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF

NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. **20-0729.06**

Expiration Date: **09/22/2025**

By: Shay L. Chanda
Miami-Dade Product Control

POCKETS ARE NOT PART OF THIS APPROVAL
AND TO BE REVIEWED BY AHJ.


APPROVED CONFIGURATIONS

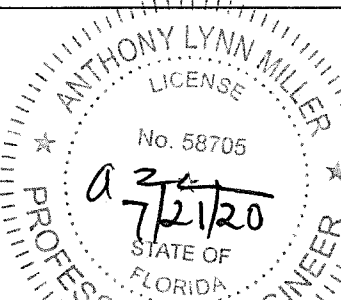
POCKETED DOORS

(NON-REINFORCED SHOWN)

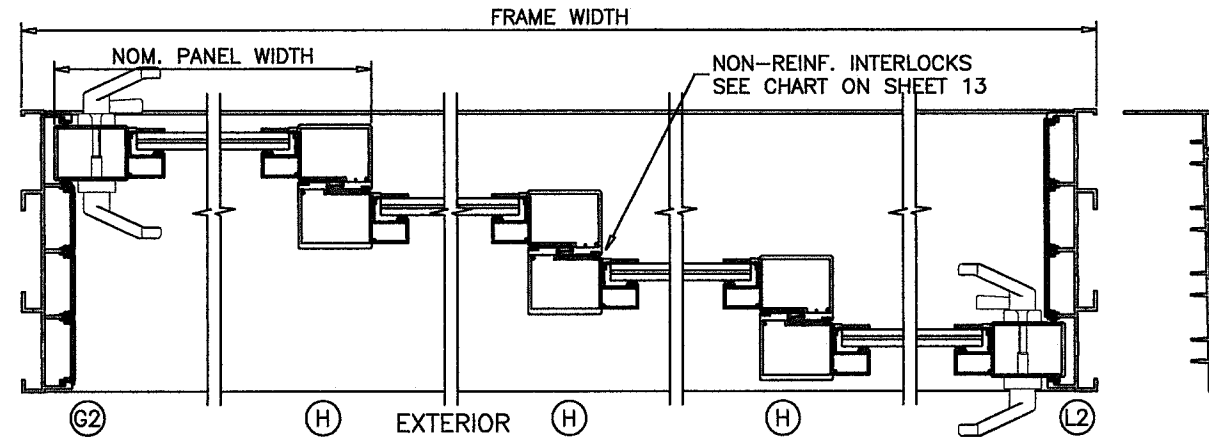
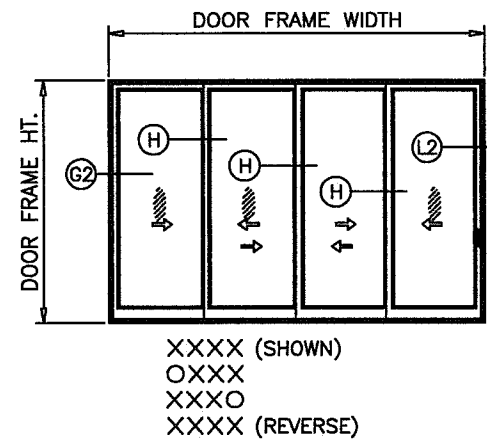
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

TWO (2) TRACKS

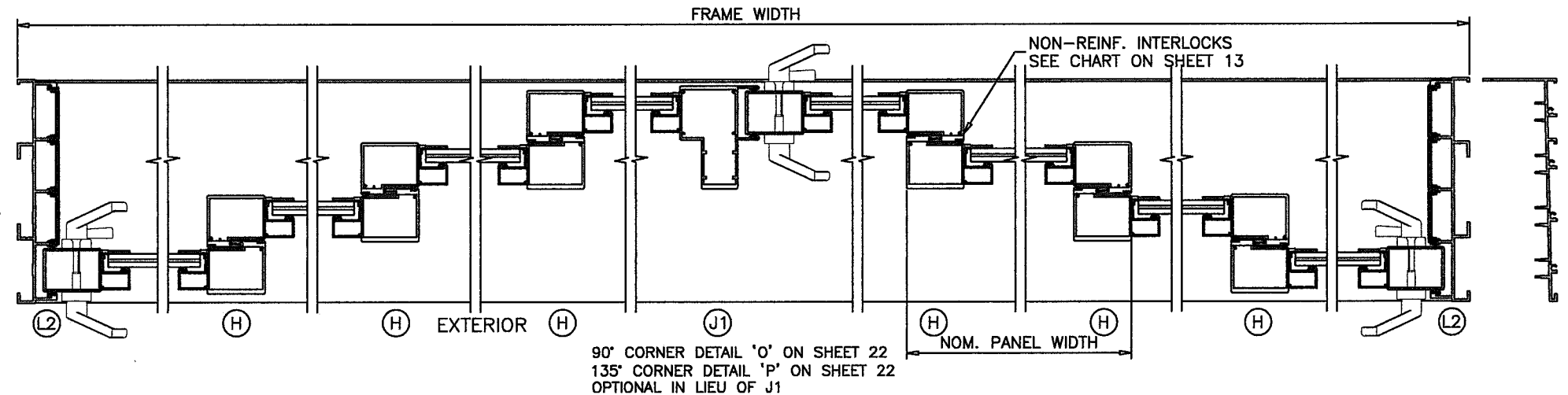
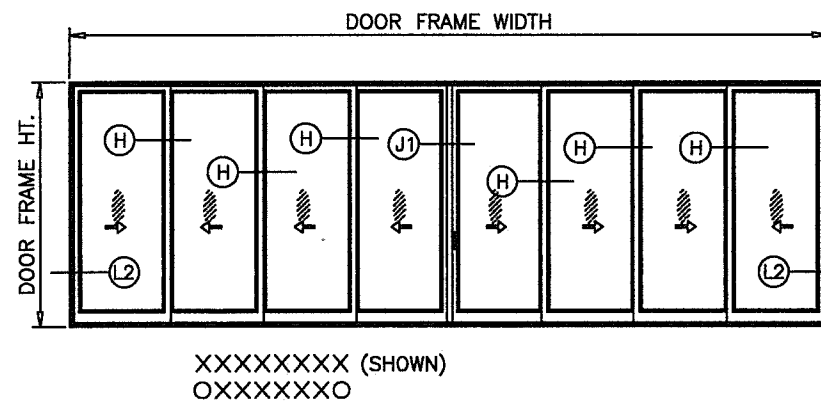
Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296
Description: CONFIGURATIONS			Date: 5/22/19		
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20	
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 8 OF 28	Drawing No. SGD150LMI-NOA	Rev: A	



ANTHONY LYNN MILLER
LICENSE
No. 58705
a 34
7/21/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E. P.E.# 58705



THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF



APPROVED CONFIGURATIONS


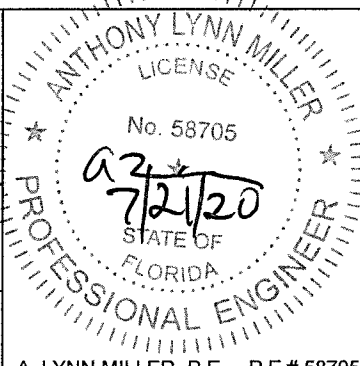
NON-POCKETED DOORS (NON-REINFORCED SHOWN)
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

FOUR (4) TRACKS

NOTE:

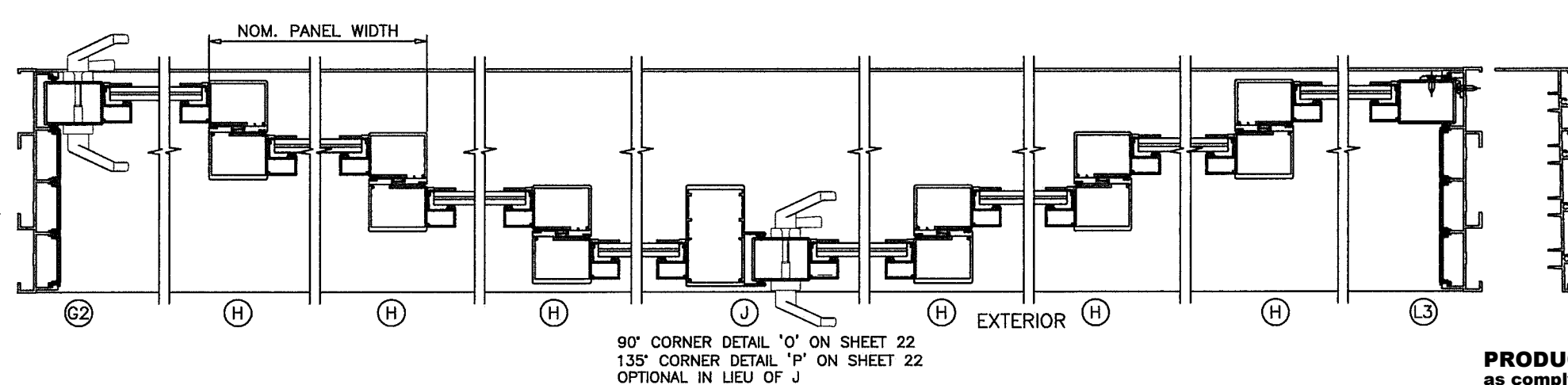
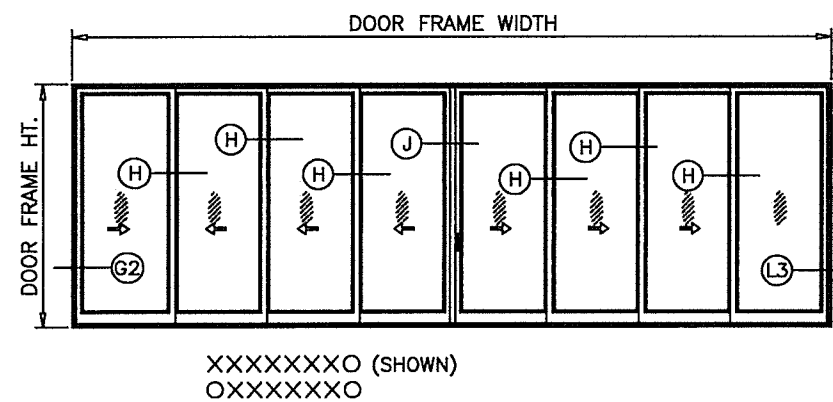
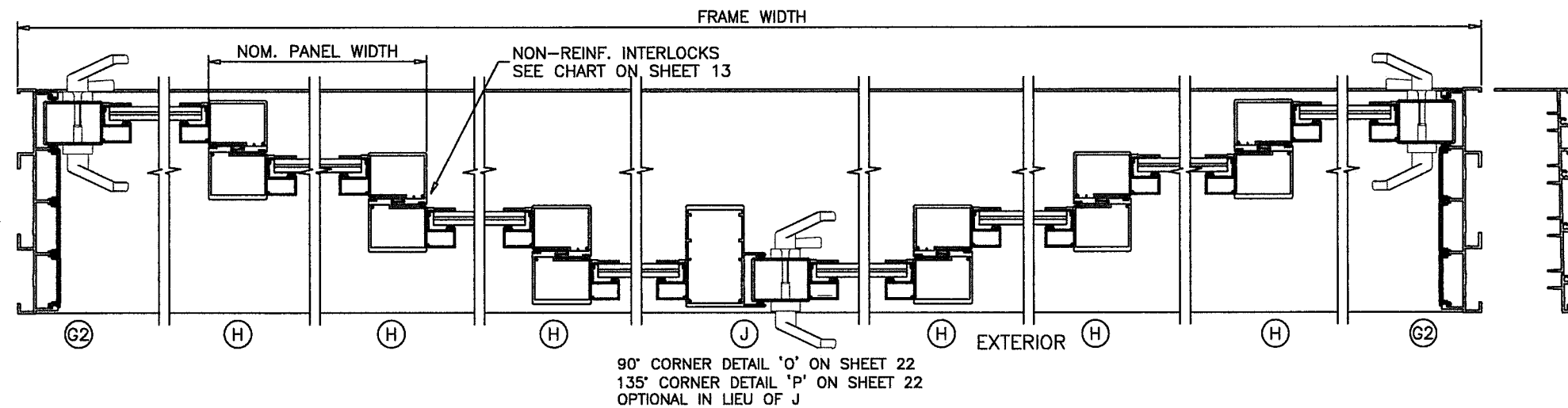
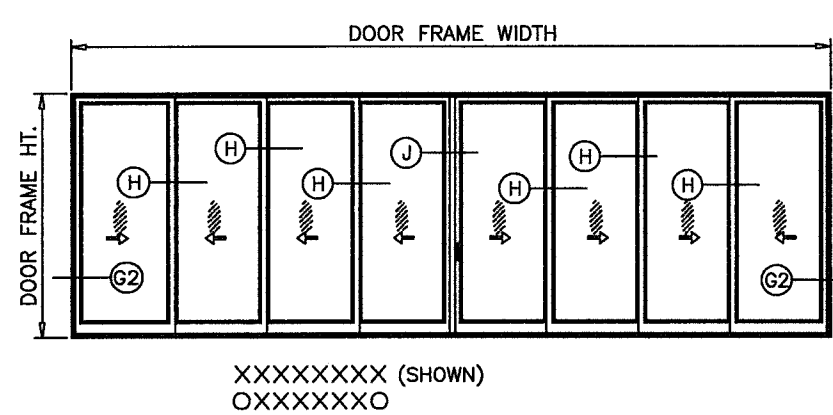
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.06
Expiration Date: 09/22/2025
By: Isaac I. Chan
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: CONFIGURATIONS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 9 OF 28	Drawing No. SGD150LMI-NOA	Rev. A			

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

THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF



NOTE:


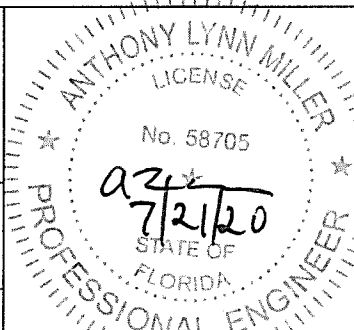
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

APPROVED CONFIGURATIONS

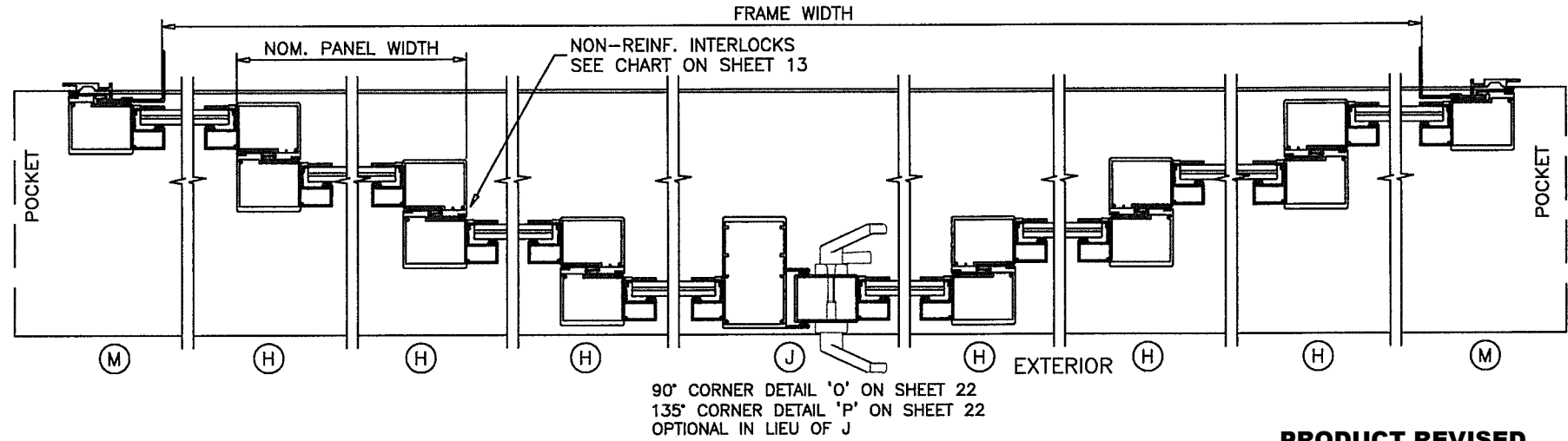
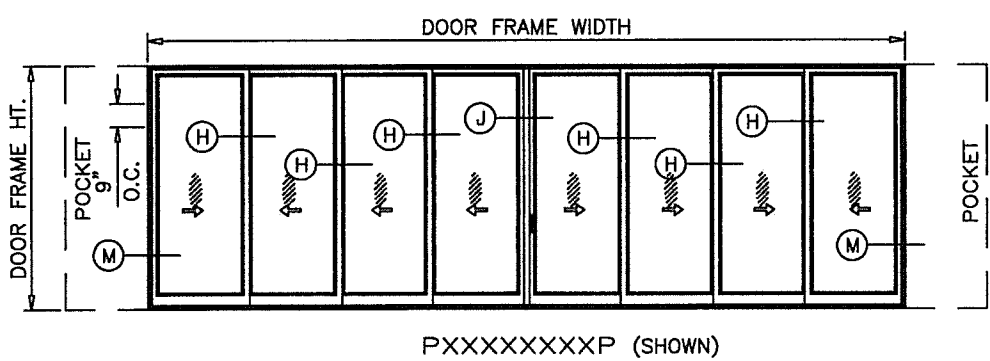
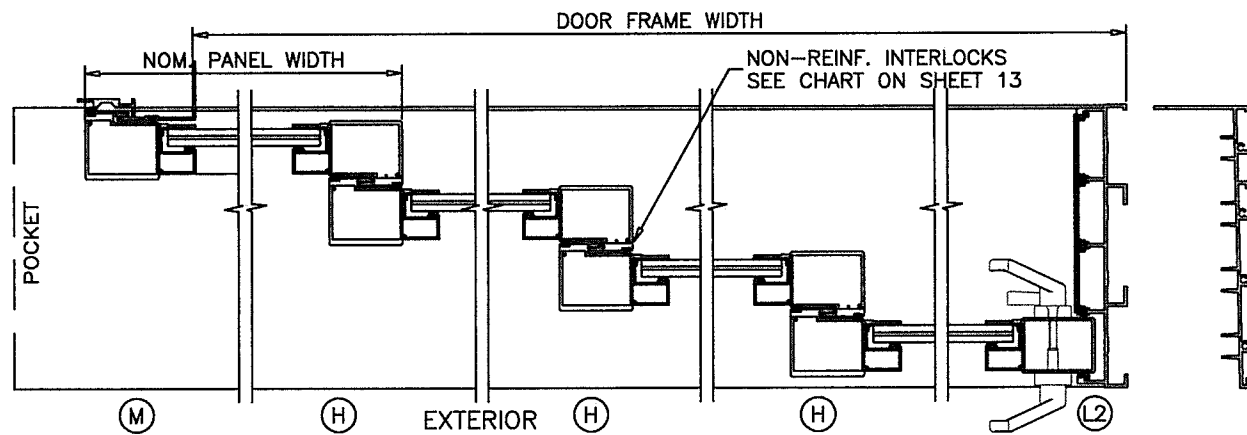
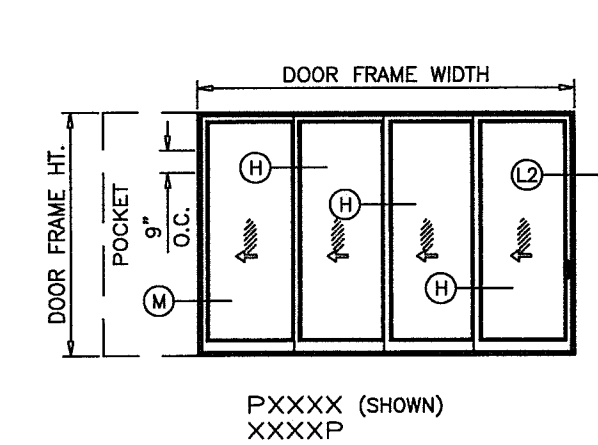
NON-POCKETED DOORS (NON-REINFORCED SHOWN)
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

FOUR (4) TRACKS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ismael I. Chanda
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WERE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: CONFIGURATIONS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI		Scale: N.T.S.	Sheet: 10 OF 28	Drawing No. SGD150LMI-NOA			

THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES
LIMIT MAX. DESIGN LOADS TO ±60.0 PSF




APPROVED CONFIGURATIONS
POCKETED DOORS (NON-REINFORCED SHOWN)
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

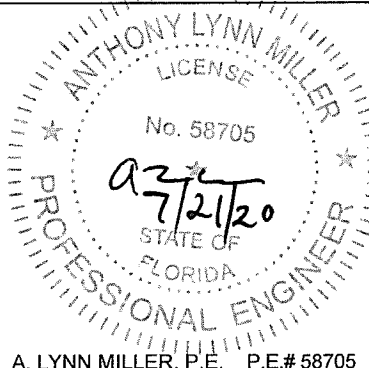
FOUR (4) TRACKS

POCKETS ARE NOT PART OF THIS APPROVAL
AND TO BE REVIEWED BY AHJ.

- NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
 2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
 3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
 4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

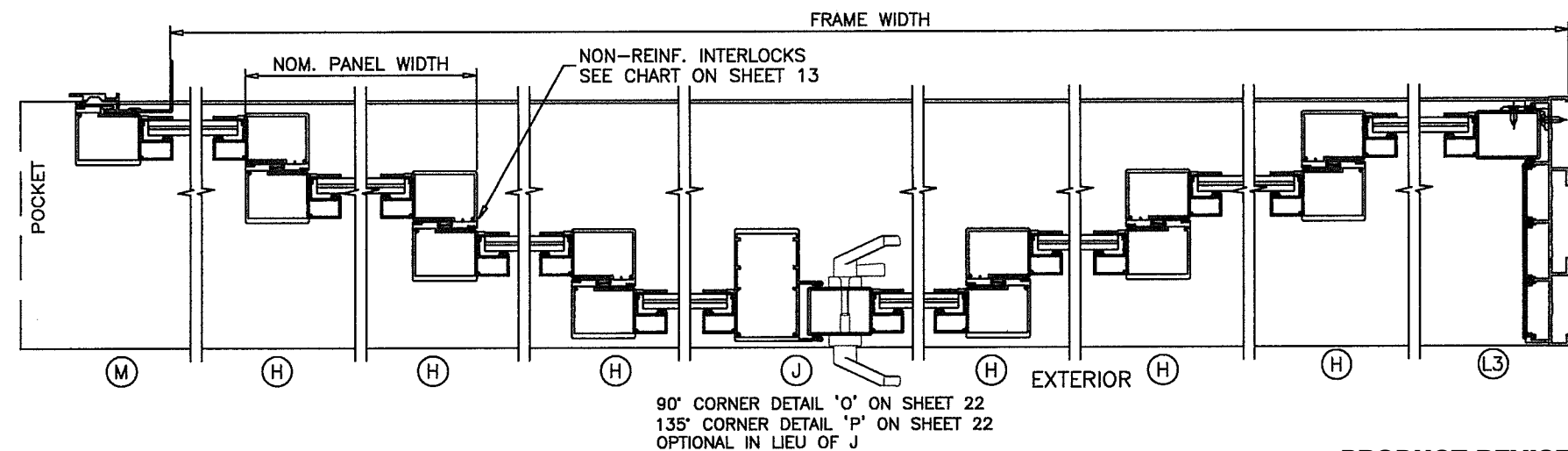
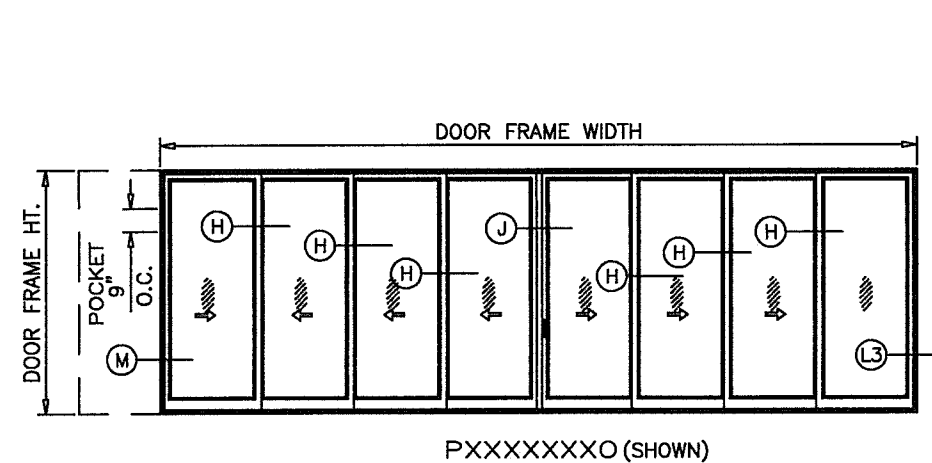
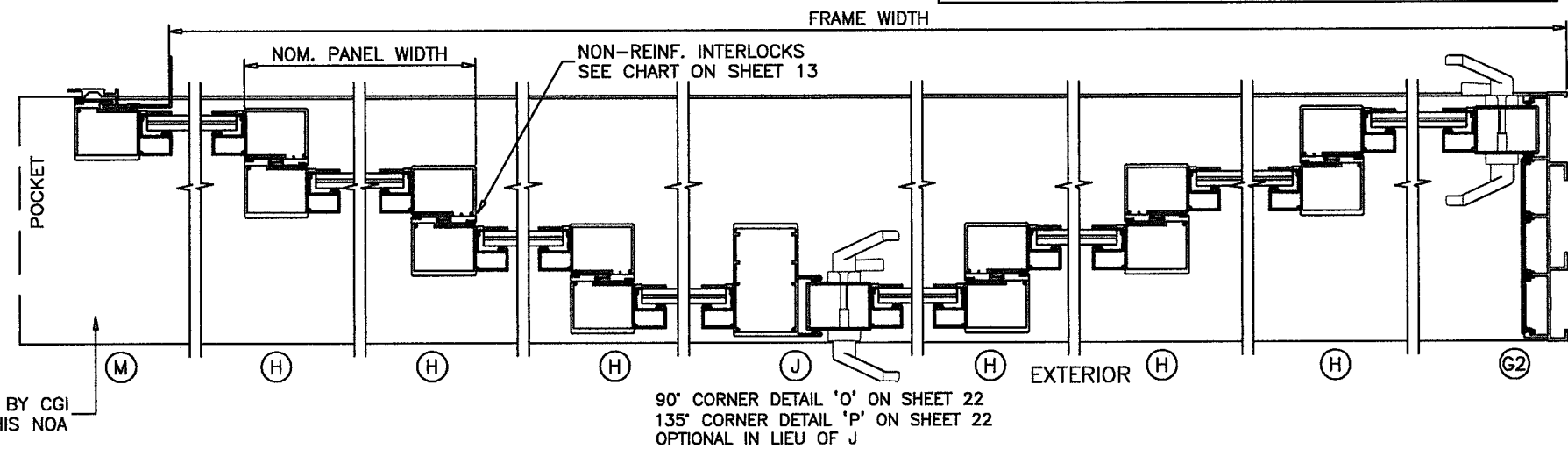
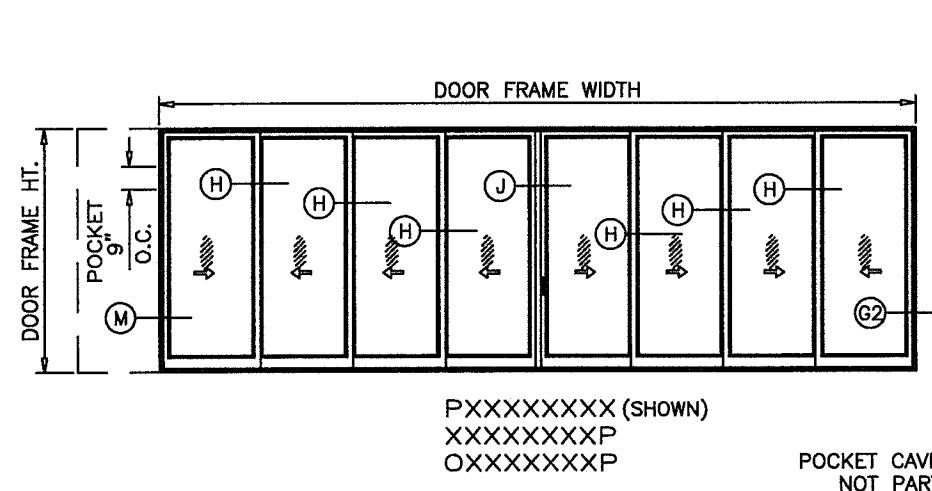
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Isaac I. Chande
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WERE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590
Description: EXTRUSIONS, BOM			Date: 5/22/19		
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20	PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 11 OF 28	Drawing No. SGD150LMI-NOA		Rev: A REGISTRATION #29296



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

THIS APPROVAL QUALIFIES DOORS WITH APPROVED CONFIGURATIONS SHOWN WITH 90° AND 135° CORNERS WHERE STILE CONFIGURATIONS SHOWN ON SHEET 22 ARE PRESENT.
FOR DOORS USING 90° & 135° CORNER STILES LIMIT MAX. DESIGN LOADS TO ±60.0 PSF




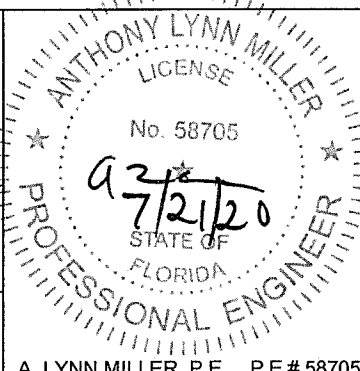
APPROVED CONFIGURATIONS
POCKETED DOORS (NON-REINFORCED SHOWN)
SEE SHEET 13 FOR Dp AND REINFORCING OPTIONS

FOUR (4) TRACKS

POCKETS ARE NOT PART OF THIS APPROVAL
AND TO BE REVIEWED BY AHJ.

- NOTE:
1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
 2. FOR APPLICABLE NON REINFORCED OR REINFORCED DESIGN PRESSURES SEE SHEET 13.
 3. FOR ANCHOR DETAILS SEE SHEETS 15 THRU 23.
 4. DOOR SHALL MEET EGRESS REQUIREMENTS AS APPLICABLE PER FBC.

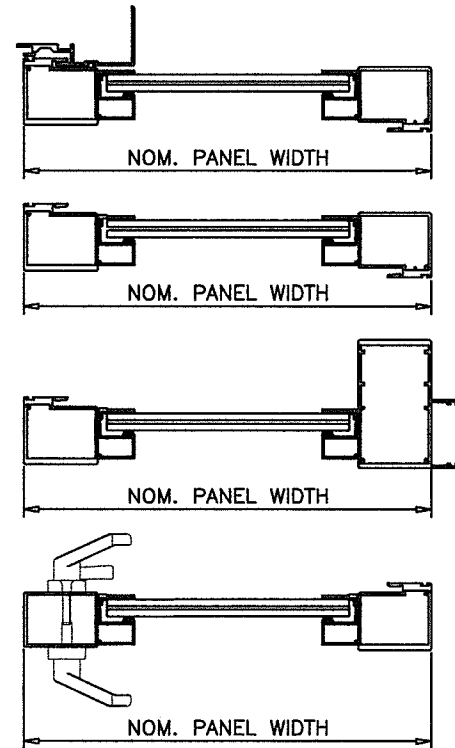
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ismael I. Chan
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WERE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Description: CONFIGURATIONS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 12 OF 28	Drawing No. SGD150LMI-NOA	Rev: A	REGISTRATION #29296		

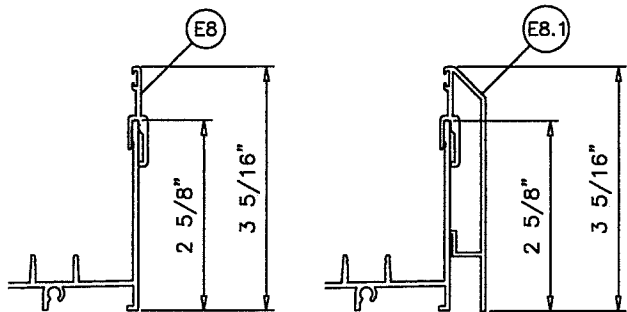
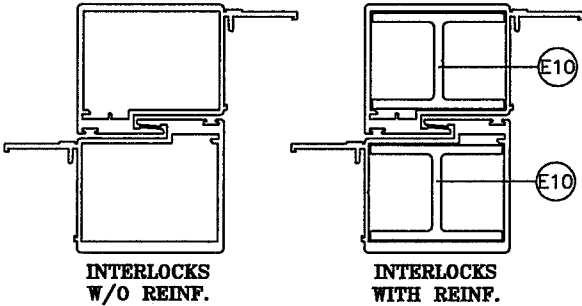
DESIGN LOAD CAPACITY - PSF (GLASS)						
NOM. PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	NUMBER OF PANELS ALLOWED	GLASS TYPES 'A' & 'A1'		GLASS TYPES 'B' & 'B1'	
			INTERLOCKS W/O REINF.		INTERLOCKS WITH REINF.	
			EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24-1/8	82	10	60.0	60.0	80.0	80.0
30-1/8		10	60.0	60.0	80.0	80.0
36-1/8		10	60.0	60.0	80.0	80.0
42-1/8		10	60.0	60.0	80.0	80.0
48-1/8		10	60.0	60.0	80.0	80.0
54-1/8		9	53.3	53.3	71.1	71.1
24-1/8	84	10	60.0	60.0	80.0	80.0
30-1/8		10	60.0	60.0	80.0	80.0
36-1/8		10	60.0	60.0	80.0	80.0
42-1/8		10	60.0	60.0	80.0	80.0
48-1/8		10	60.0	60.0	80.0	80.0
54-1/8		9	53.3	53.3	71.1	71.1
24-1/8	90	10	60.0	60.0	80.0	80.0
30-1/8		10	60.0	60.0	80.0	80.0
36-1/8		10	60.0	60.0	80.0	80.0
42-1/8		10	60.0	60.0	80.0	80.0
48-1/8		9	60.0	60.0	80.0	80.0
54-1/8		9	53.3	53.3	71.1	71.1
24-1/8	96	10	60.0	60.0	80.0	80.0
30-1/8		10	60.0	60.0	80.0	80.0
36-1/8		10	60.0	60.0	80.0	80.0
42-1/8		10	60.0	60.0	80.0	80.0
48-1/8		9	60.0	60.0	80.0	80.0
54-1/8		9	53.3	53.3	71.1	71.1

GLASS TYPES 'A', 'B', 'A1', 'B1'						
INTERLOCKS WITH REINF.						
			EXT.(+)	INT.(-)		
24-1/8	102	10	-	-	60.0	60.0
30-1/8		10	-	-	60.0	60.0
36-1/8		10	-	-	60.0	60.0
42-1/8		10	-	-	60.0	60.0
48-1/8		10	-	-	60.0	60.0
54-1/8		9	-	-	54.4	54.4
24-1/8	108	10	-	-	60.0	60.0
30-1/8		10	-	-	60.0	60.0
36-1/8		10	-	-	60.0	60.0
42-1/8		10	-	-	60.0	60.0
48-1/8		10	-	-	60.0	60.0
53-1/8		9	-	-	54.4	54.4
24-1/8	114	10	-	-	60.0	60.0
30-1/8		10	-	-	60.0	60.0
36-1/8		10	-	-	60.0	60.0
42-1/8		10	-	-	60.0	60.0
48-1/8		9	-	-	60.0	60.0
54-1/8		9	-	-	54.4	54.4
24-1/8	120	10	-	-	60.0	60.0
30-1/8		10	-	-	60.0	60.0
36-1/8		10	-	-	60.0	60.0
42-1/8		10	-	-	60.0	60.0
48-1/8		9	-	-	60.0	60.0
54-1/8		9	-	-	54.4	54.4

GLASS CAPACITY CHARTS




APPLICABLE FBC EGRESS REQUIREMENTS TO BE REVIEWED BY AHJ.

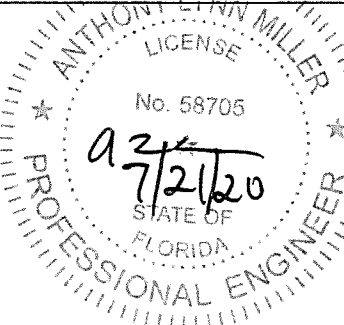


SILL RISER ITEMS E8 OR E8.1 ARE REQUIRED FOR LOADS ABOVE +60.0 PSF ONLY.

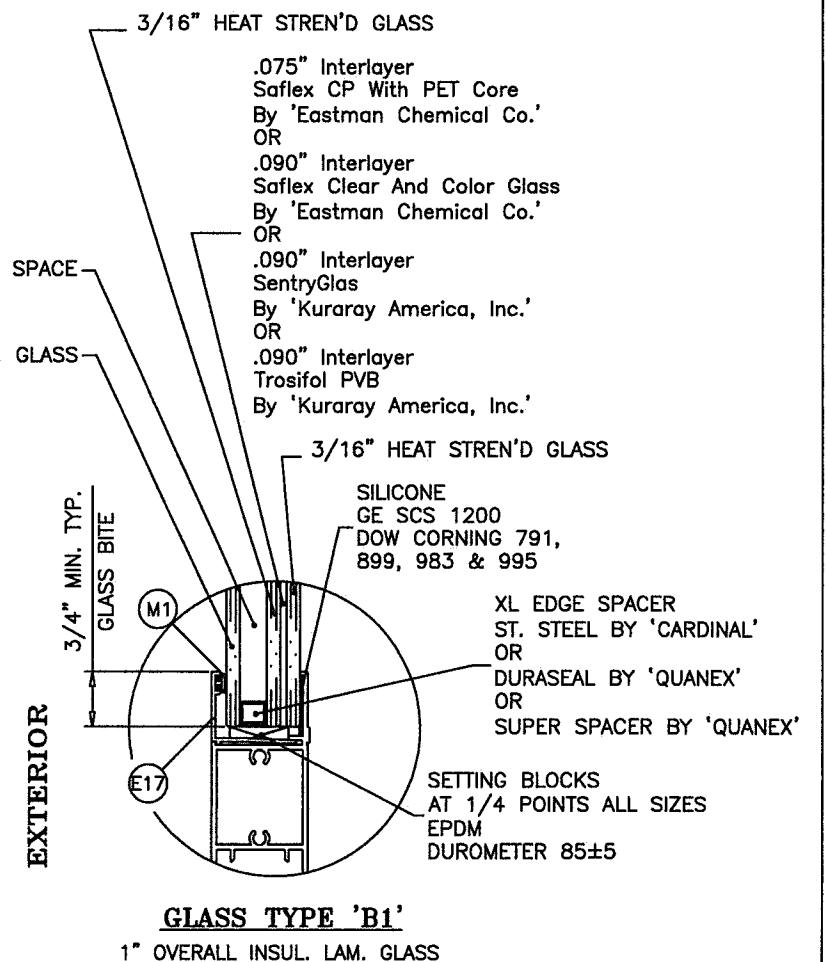
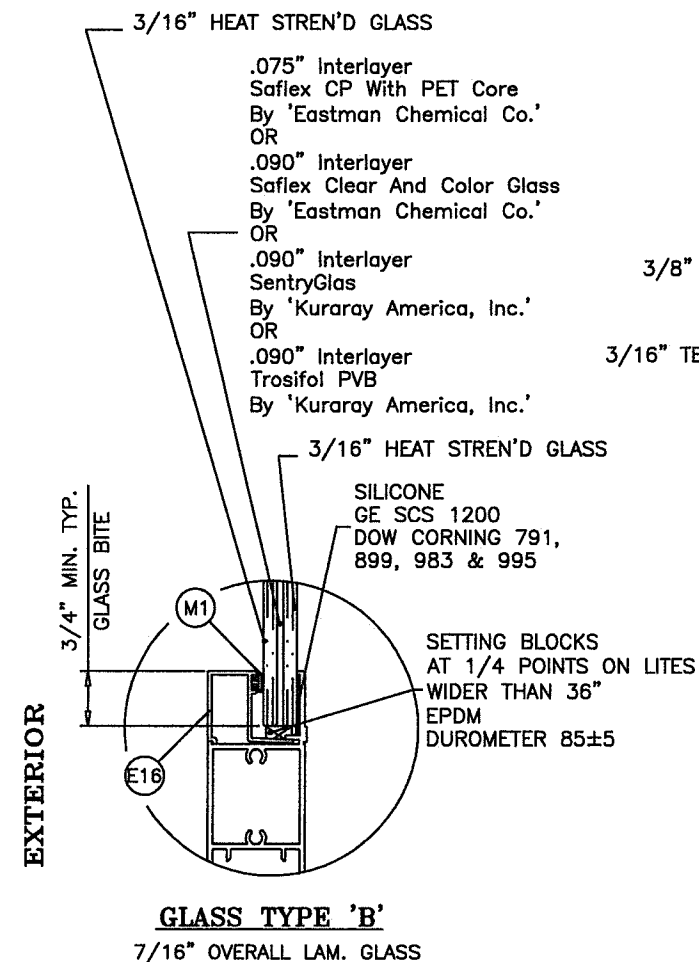
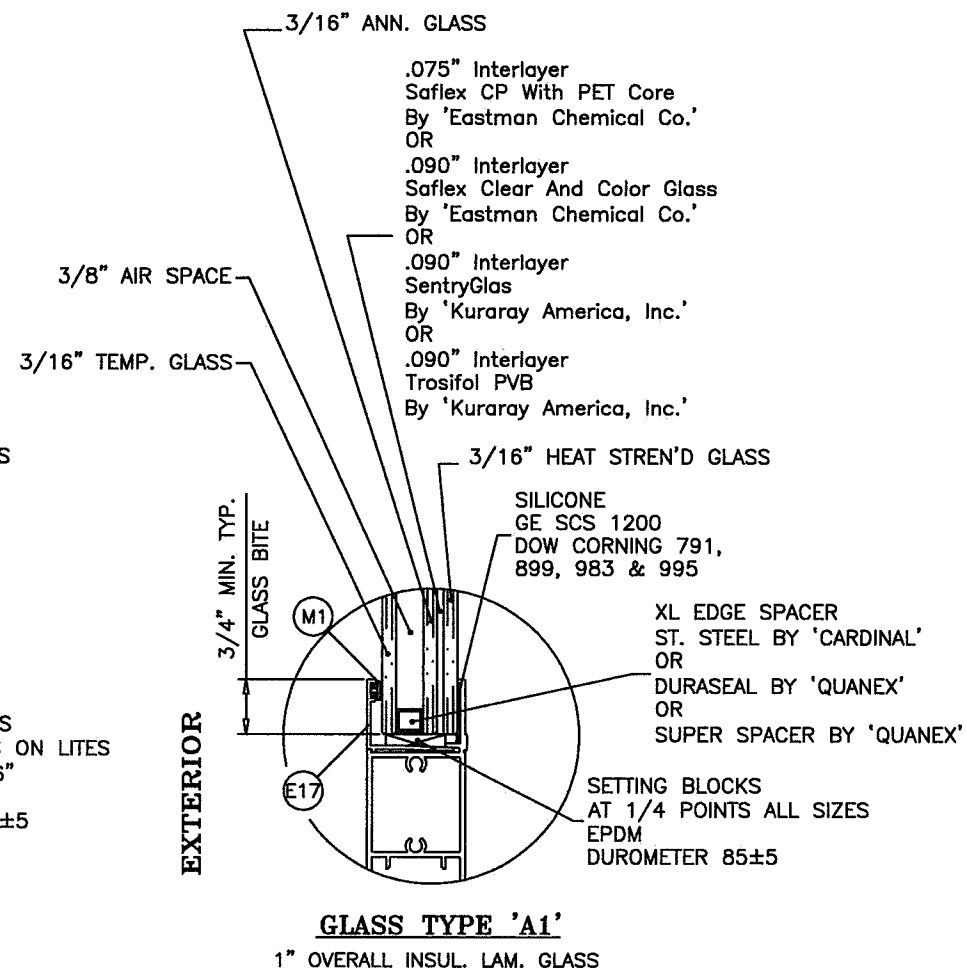
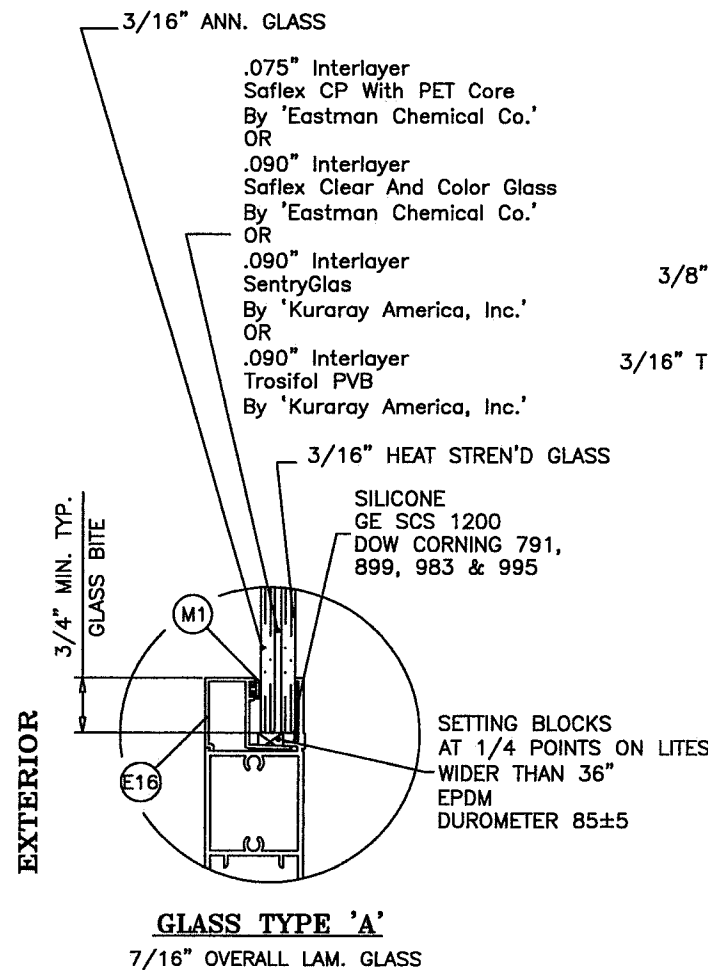
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Description: GLASS CAPACITY CHARTS			Date: 5/22/19			
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 13 OF 28	Drawing No. SGD150LMI-NOA		Rev: A	REGISTRATION #29296


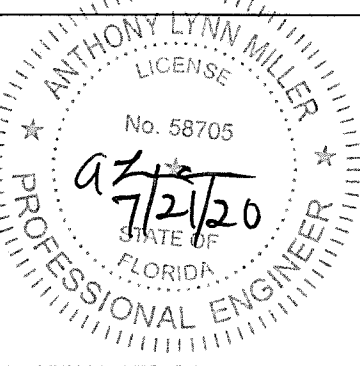


A. LYNN MILLER, P.E. P.E.# 58705



GLAZING OPTIONS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WERE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-8590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: GLAZING DETAILS				Date: 5/22/19			
Revision: ADDED BACKBEDDINGS				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 14 OF 28	Drawing No. SGD150LMI-NOA		Rev: A		

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

DESIGN LOAD CAPACITY - PSF (ANCHORS)							
NOM. PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	ANCHORS (TYPE A, B & C)			ANCHORS (TYPE B2)		
		CLUSTER AT STILE/INTERLOCK ENDS			CLUSTER AT STILE/INTERLOCK ENDS		
		EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
24-1/8	82	80.0	-	-	80.0	-	-
30-1/8		80.0	-	-	80.0	-	-
36-1/8		80.0	-	-	76.2	80.0	-
42-1/8		72.4	80.0	-	68.7	80.0	-
48-1/8		66.8	80.0	-	63.4	80.0	-
54-1/8		62.8	71.1	-	59.5	71.1	71.1
24-1/8	84	80.0	-	-	80.0	-	-
30-1/8		80.0	-	-	80.0	-	-
36-1/8		75.5	80.0	-	71.6	80.0	-
42-1/8		67.8	80.0	-	64.3	80.0	-
48-1/8		62.3	80.0	-	59.1	80.0	80.0
54-1/8		58.4	71.1	71.1	55.3	71.1	71.1
24-1/8	90	80.0	-	-	80.0	-	-
30-1/8		79.7	80.0	-	75.6	80.0	-
36-1/8		69.2	80.0	-	65.6	80.0	-
42-1/8		61.9	80.0	-	58.7	80.0	80.0
48-1/8		56.7	80.0	80.0	53.7	80.0	80.0
24-1/8	96	80.0	-	-	80.0	-	-
30-1/8		73.8	80.0	-	69.9	80.0	-
36-1/8		63.9	80.0	-	60.6	80.0	-
42-1/8		57.0	80.0	80.0	54.0	80.0	80.0
48-1/8		51.9	77.9	80.0	49.3	73.9	80.0
24-1/8	102	60.0	-	-	60.0	-	-
30-1/8		60.0	-	-	60.0	-	-
36-1/8		59.3	60.0	60.0	56.2	60.0	60.0
42-1/8		52.7	60.0	60.0	50.0	60.0	60.0
48-1/8		47.9	60.0	60.0	45.5	60.0	60.0
54-1/8		44.3	54.4	54.4	42.0	54.4	54.4
24-1/8	108	60.0	-	-	60.0	-	-
30-1/8		60.0	-	-	60.0	-	-
36-1/8		55.3	60.0	60.0	52.5	60.0	60.0
42-1/8		49.1	60.0	60.0	46.6	60.0	60.0
48-1/8		44.5	60.0	60.0	42.2	60.0	60.0
54-1/8		41.6	54.4	54.4	39.4	54.4	54.4
24-1/8	114	60.0	-	-	60.0	-	-
30-1/8		60.0	-	-	57.2	60.0	60.0
36-1/8		51.9	60.0	60.0	49.2	60.0	60.0
42-1/8		45.9	60.0	60.0	43.6	60.0	60.0
48-1/8		41.5	60.0	60.0	39.4	59.1	60.0
24-1/8	120	60.0	-	-	60.0	-	-
30-1/8		56.9	60.0	60.0	54.0	60.0	60.0
36-1/8		48.8	60.0	60.0	46.3	60.0	60.0
42-1/8		43.1	60.0	60.0	40.9	60.0	60.0
48-1/8		38.9	58.4	60.0	36.9	55.4	60.0

NOTE:
ANCHOR CAPACITIES LISTED ON THIS SHEET TO BE USED IN CONJUNCTION WITH GLASS CHARTS ON SHEET 13 LOWER APPLICABLE VALUES CONTROL. 3 TRACK SYSTEM SHOWN ALSO APPLICABLE TO 2 AND 4 TRACK FRAMES. PLEASE SEE FOLLOWING SHEETS FOR DETAILS.

LIMIT EXT.(+) LOADS TO 60.0 PSF FOR DOORS W/O REINFORCING ALL SIZES
LIMIT EXT.(+) LOADS TO 80.0 PSF FOR DOORS W/ REINF. UPTO 96 IN. HT.
LIMIT EXT.(+) LOADS TO 60.0 PSF FOR DOORS W/ REINF. ABOVE 96 IN. HT. UPTO 120 IN. HIGH.

WOOD BUCKS AND METAL STRUCTURES NOT BY CGI WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
AT HEAD OR JAMBS THRU 1BY BUCKS OR DIRECTLY INTO CONCRETE 1-1/4" MIN. EMBED INTO CONCRETE
THRU 1BY BUCKS OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED MASONRY (@ JAMBS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'A' - 1/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
AT HEAD, SILL & JAMBS INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD

TYPE 'B' - 1/4" ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
AT HEAD OR JAMBS THRU 1BY BUCKS OR DIRECTLY INTO CONCRETE 2" MIN. EMBED INTO CONCRETE (@ HEAD)
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY (@ JAMBS)
1/4" ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
THRU 1BY BUCKS OR DIRECTLY INTO CONCRETE 1-3/4" MIN. EMBED INTO CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY (@ JAMBS)

TYPE 'C' - 1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)
AT HEAD OR JAMBS INTO MIAMI-DADE COUNTY APPROVED MULLIONS OR INTO METAL STRUCTURES (HEAD/SILL/JAMBS) (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE 'B2' - 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
AT SILL 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE 1-3/4" MIN. EMBED INTO CONCRETE
1/4" KWIK-CON II+ BY 'HILTI' (Fu=138 KSI, Fy=137 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES 1-3/8" MIN. PENETRATION INTO WOOD

DEWALT ULTRACON+ AND HILTI KWIK-CON II+ ANCHORS LIMITED TO A MAX. SHIM SPACE OF 1/4".

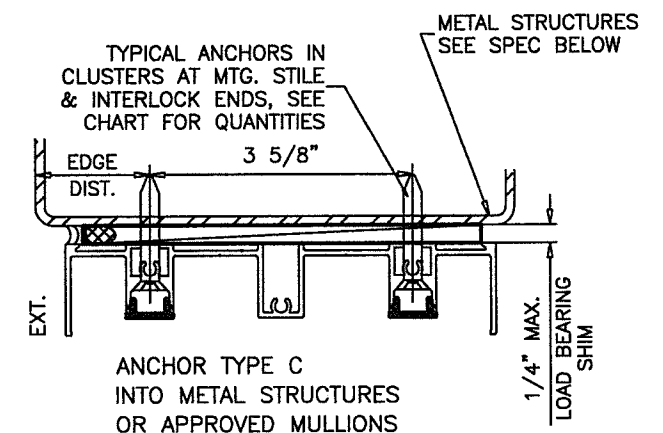
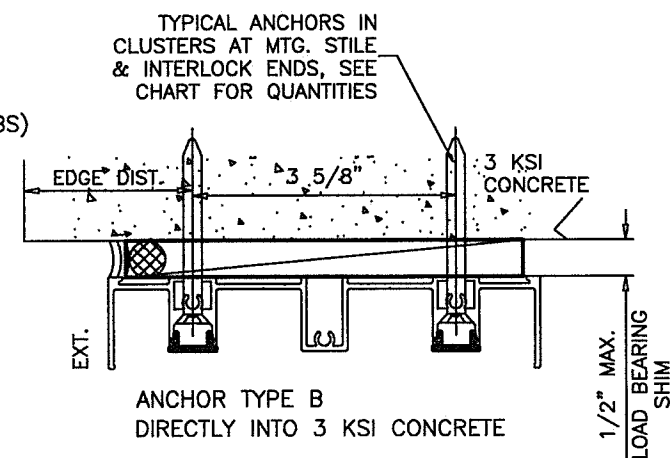
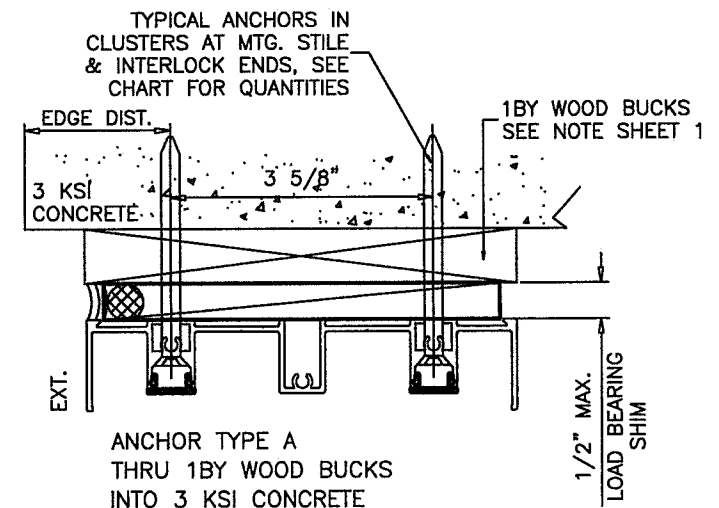
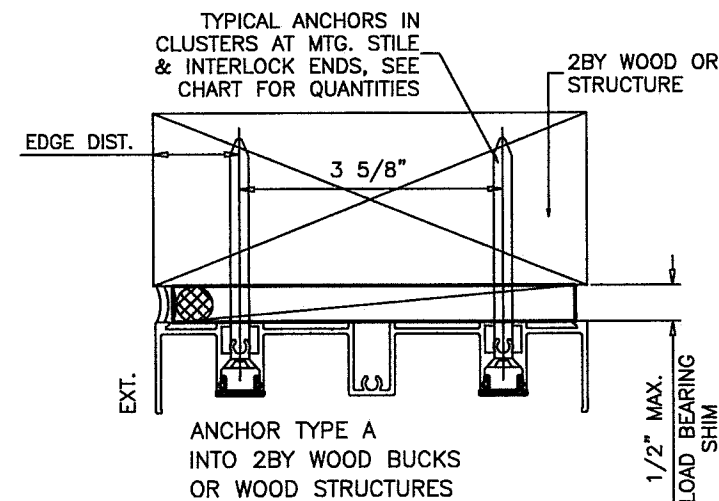
ANCHOR EDGE DISTANCES

INTO CONCRETE OR MASONRY = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.
WOOD AT HEAD OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

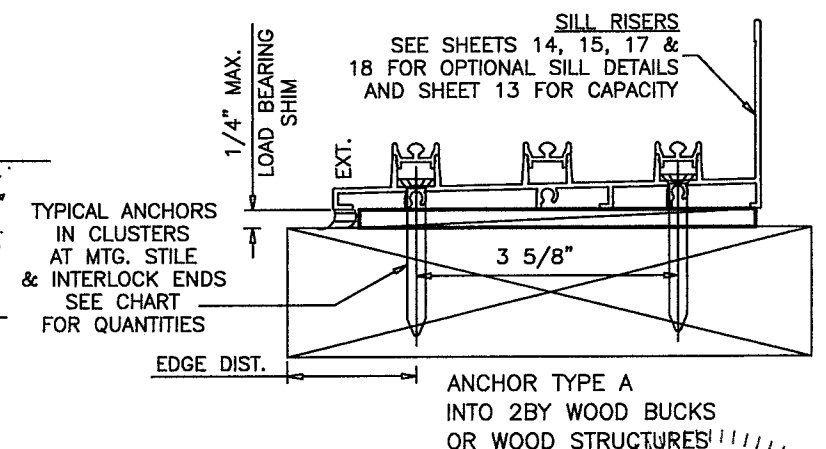
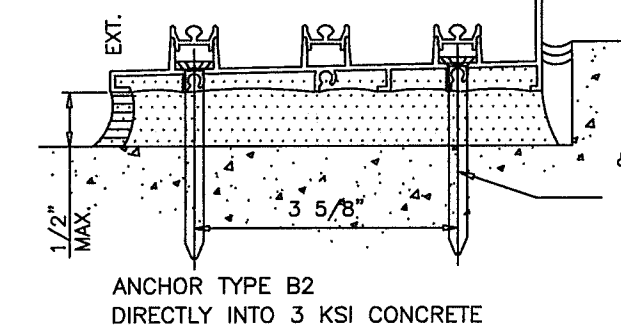
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0729.06
Expiration Date: 09/22/2025


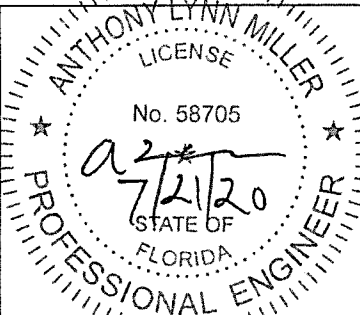
By: Ishag I. Chank
Miami-Dade Product Control

INSTALLATION CONDITIONS SHOWN APPLY TO BOTH 2 TRACK AND 3 TRACK SYSTEMS WITH STD. FRAME HEAD AND SILL.

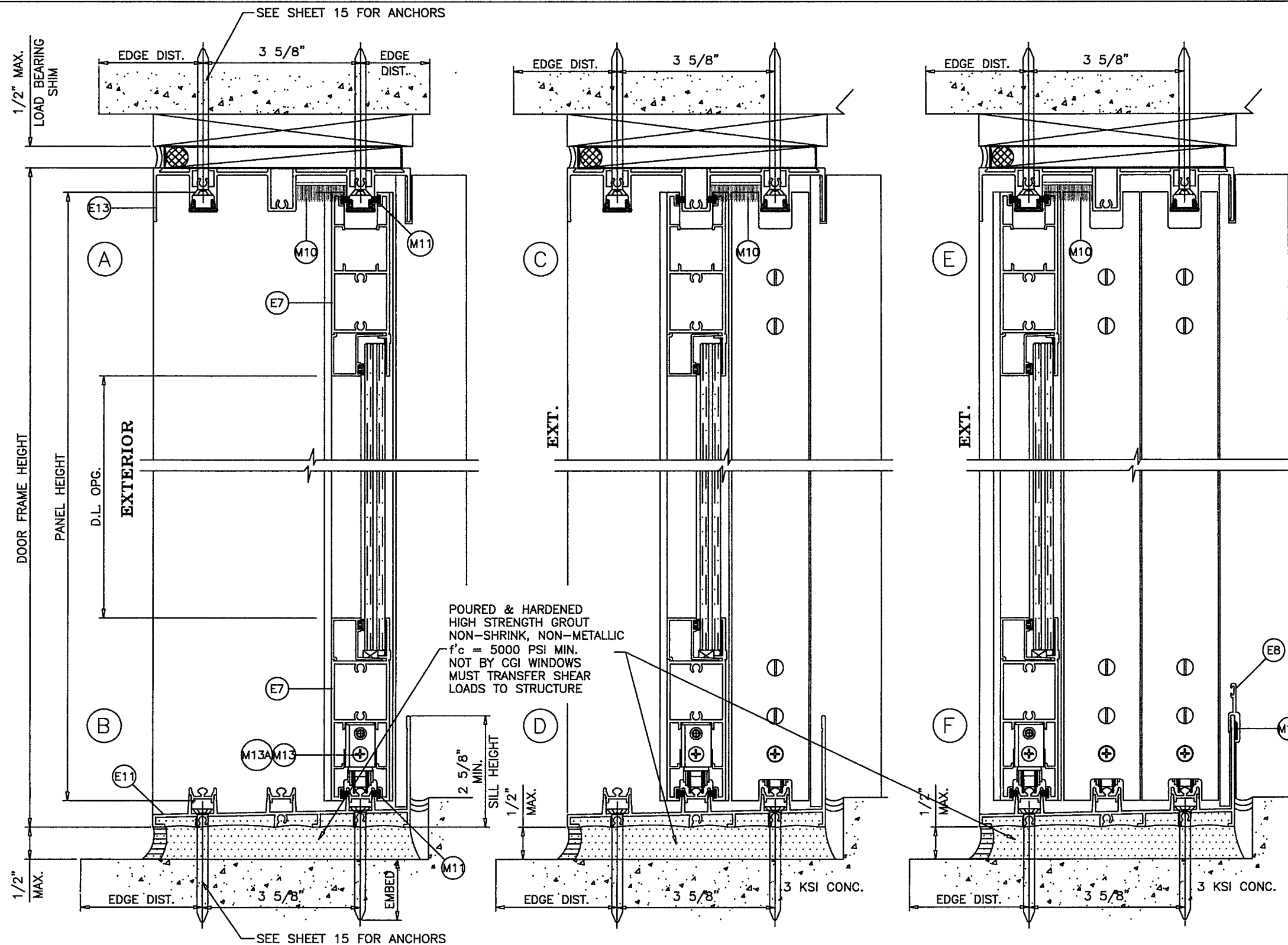


POURED & HARDENED, NON-METALIC, NON-SHRINKAGE HIGH-STRENGTH GROUT; f'c = 5000 PSI MIN.
NOT BY CGI; MUST TRANSFER SHEAR LOADS TO STRUCTURE



Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	 ANTHONY LYNN MILLER LICENSE No. 58705 a2 7/21/20 STATE OF FLORIDA PROFESSIONAL ENGINEER	
Description: ANCHOR LOAD CHART/ANCHOR DETAILS				Date: 5/22/19				
Revision: ADDED ANCHORS AND RE-FORMATTED SHEET				Rev. By: AGK	Rev. Date: 7/21/20	PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 15 OF 28	Drawing No. SGD150LMI-NOA	Rev: A	REGISTRATION #29296			A. LYNN MILLER, P.E. P.E.# 58705

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



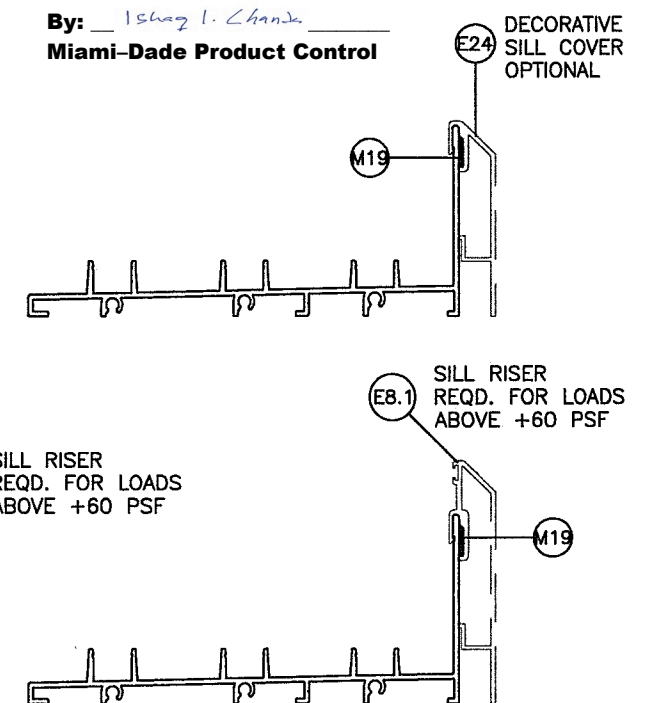
WEEP SIZE 1/4" X 1/8"

REFER TO SHEET 15 FOR VARIOUS INSTALLATION CONDITIONS.


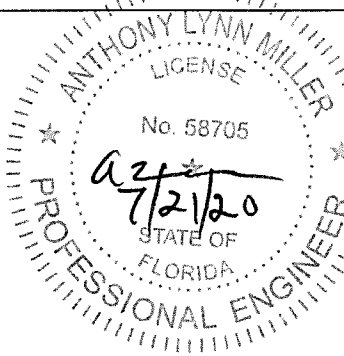
OPTIONAL SLANT SILL ADAPTORS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**

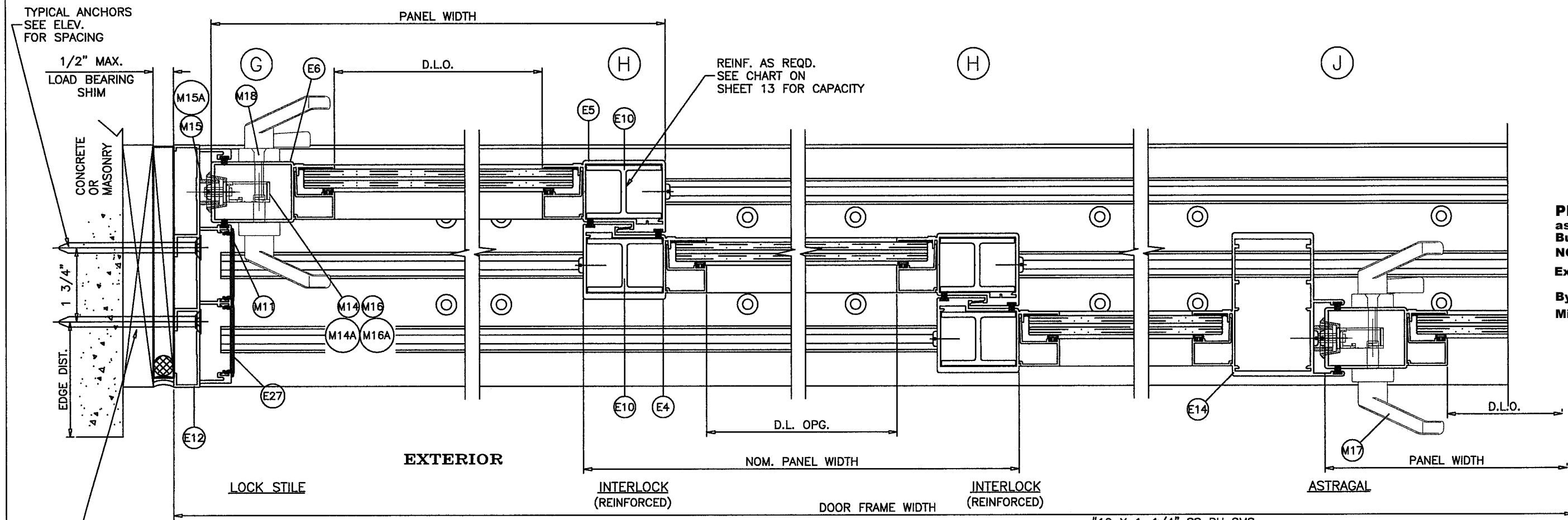
By: Ishay L. Chandra
Miami-Dade Product Control



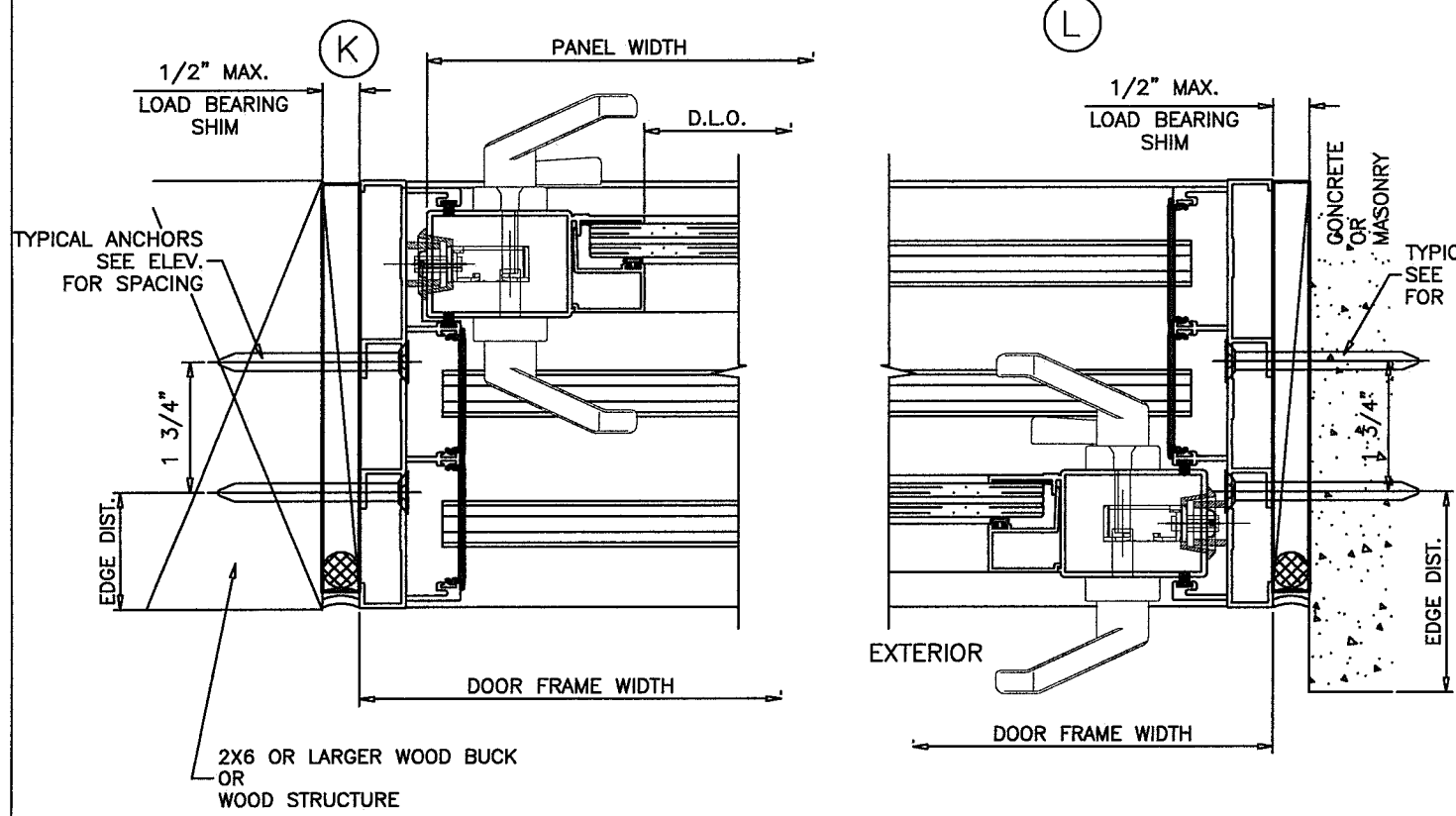
THREE (3) TRACK DOOR DETAILS

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: 3-TRACK DOOR DETAILS			Date: 5/22/19			
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 16 OF 28	Drawing No. SGD150LMI-NOA			

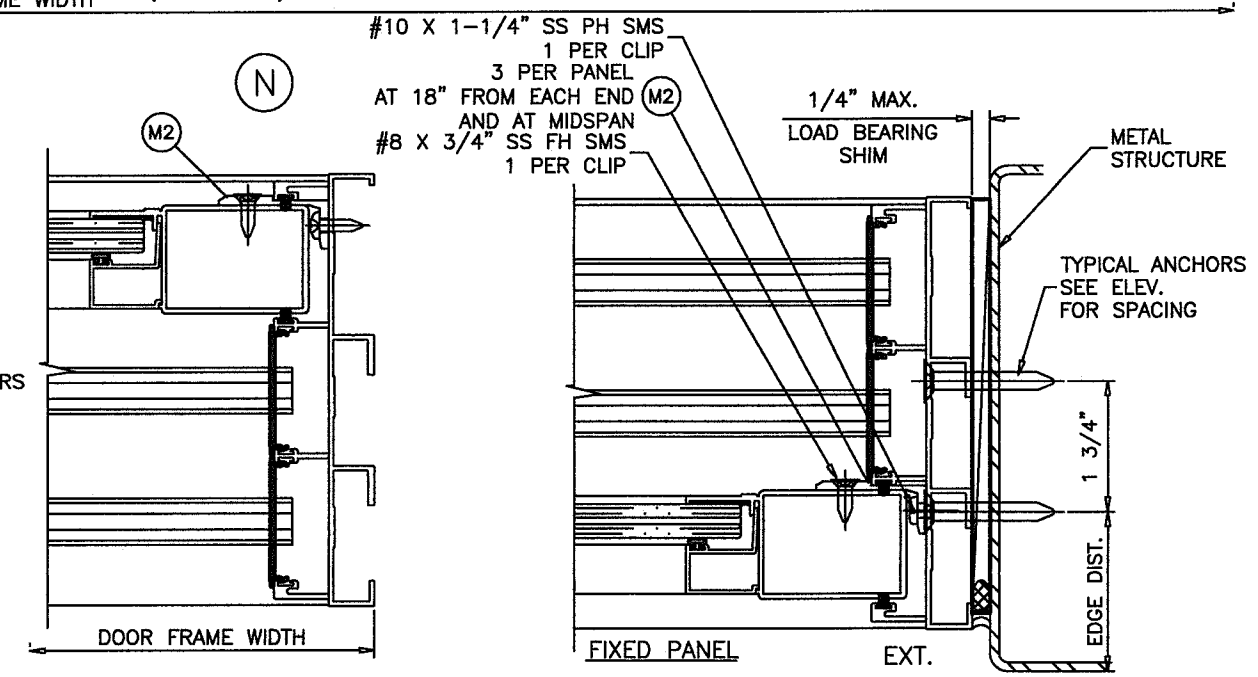
A. LYNN MILLER, P.E. P.E.# 58705




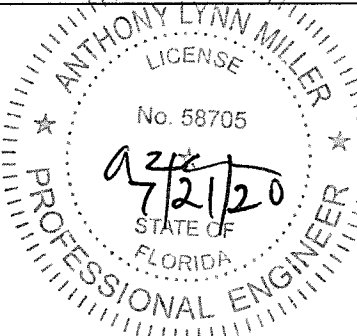
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Isaac I. Chandra
Miami-Dade Product Control



THREE (3) TRACK DOOR DETAILS

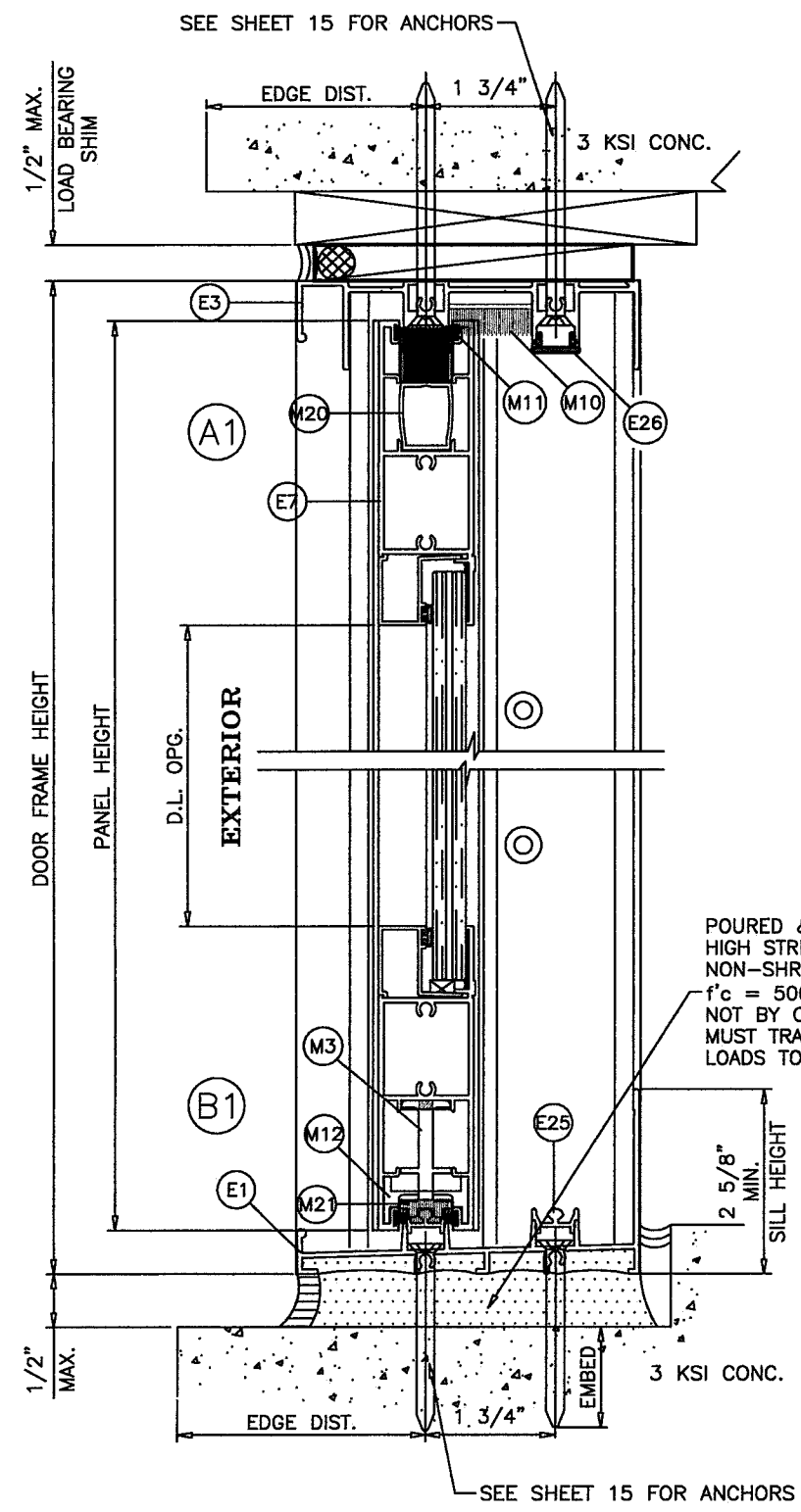


Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590
Description: 3-TRACK DOOR DETAILS				Date: 5/22/19		
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20	PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 17 OF 28	Drawing No. SGD150LMI-NOA		Rev: A	REGISTRATION #29296

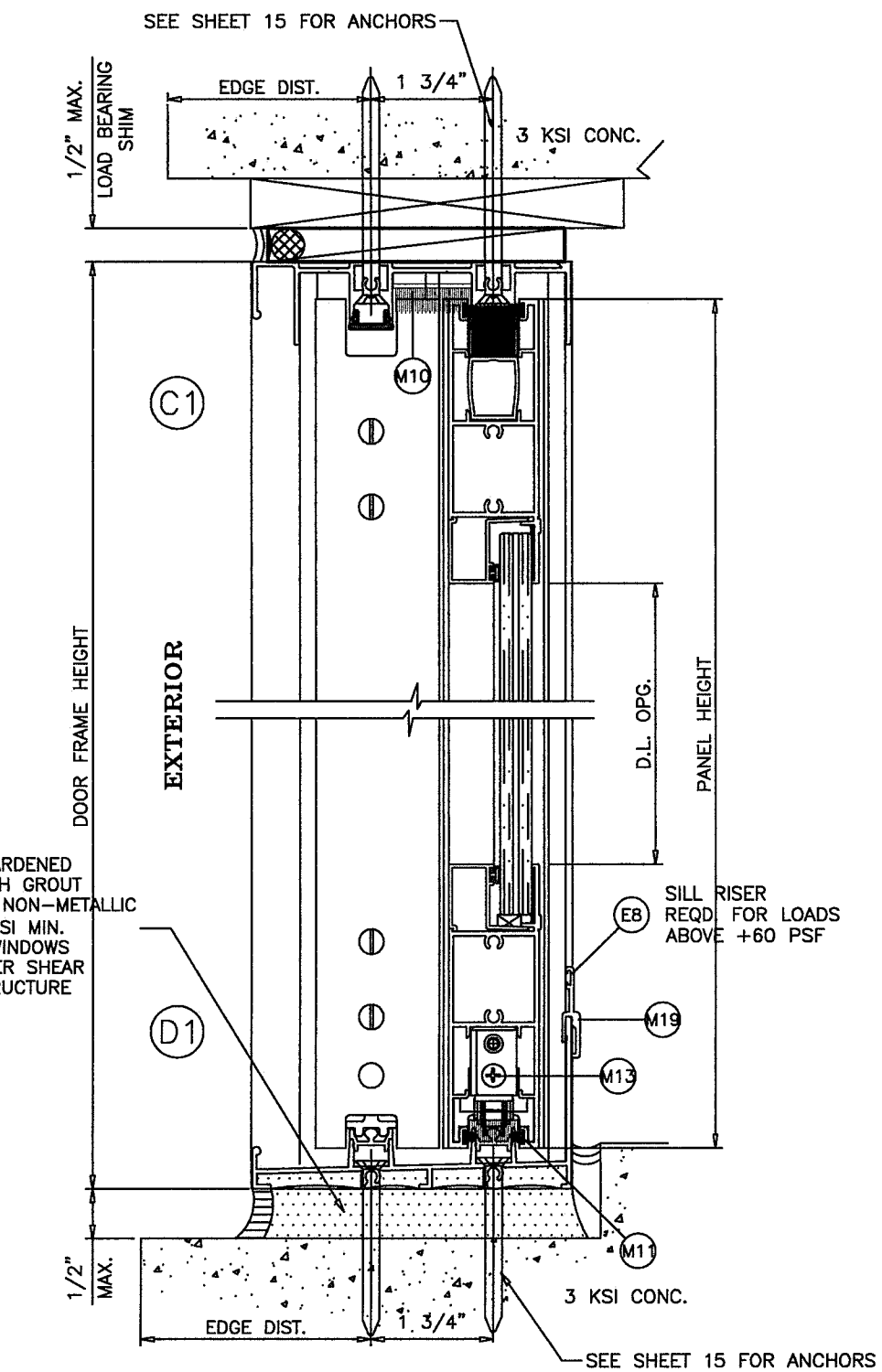


A. LYNN MILLER, P.E. P.E.# 58705

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

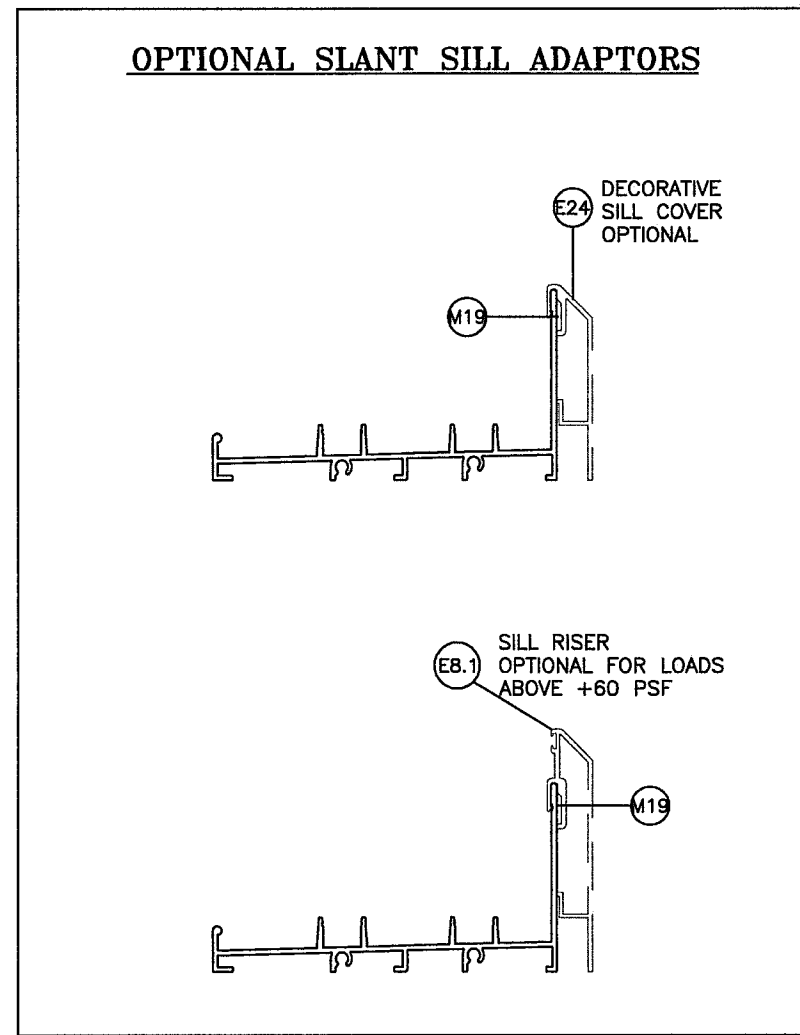


POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON-METALLIC
f'c = 5000 PSI MIN.
NOT BY CGI WINDOWS
MUST TRANSFER SHEAR
LOADS TO STRUCTURE




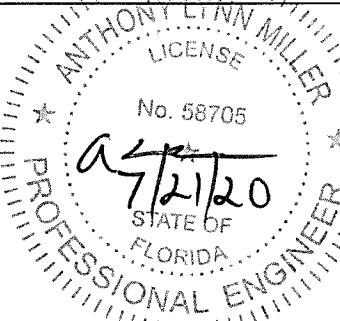
WEEP SIZE 1/4" X 1/8"

REFER TO SHEET 15 FOR VARIOUS INSTALLATION CONDITIONS.



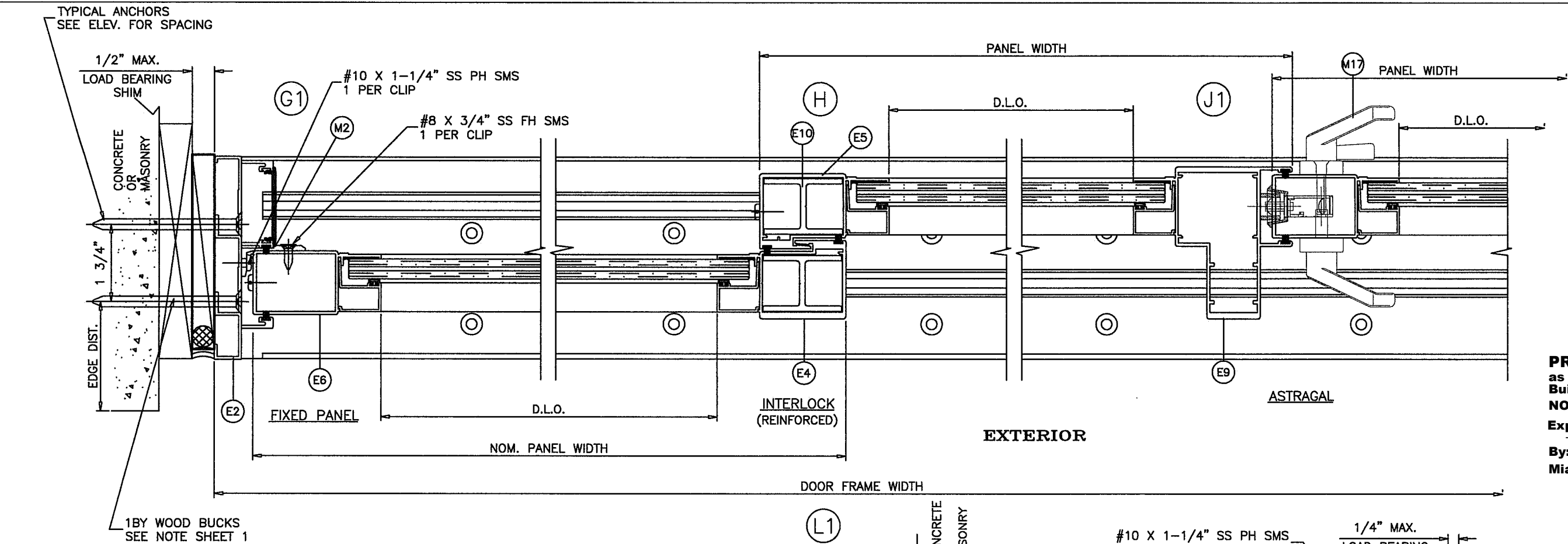
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ismael I. Chandra
Miami-Dade Product Control

TWO (2) TRACK DOOR DETAILS

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Description: 2-TRACK DOOR DETAILS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD150A		Scale: N.T.S.	Sheet: 18 OF 28	Drawing No. SGD150LMI-NOA			

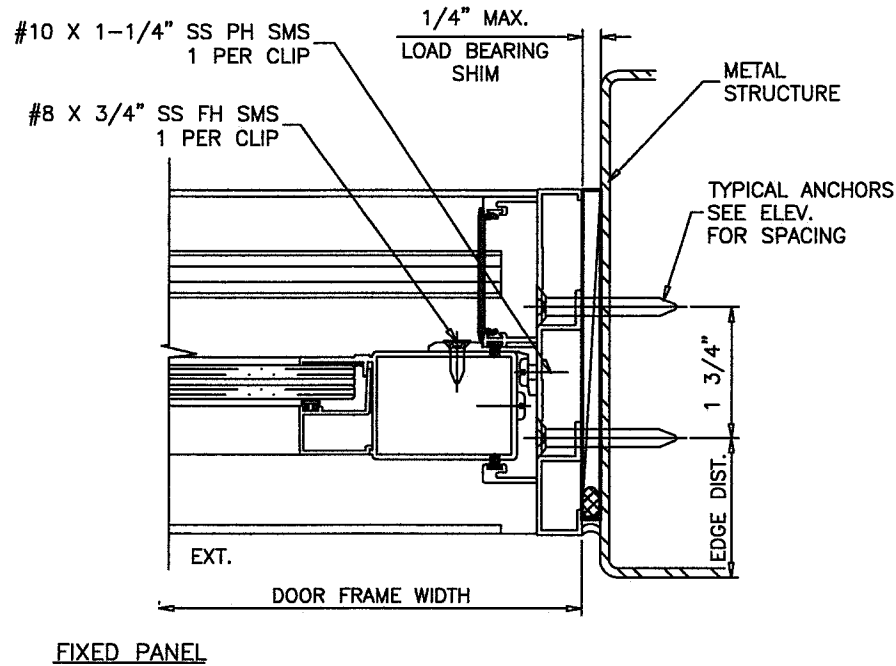
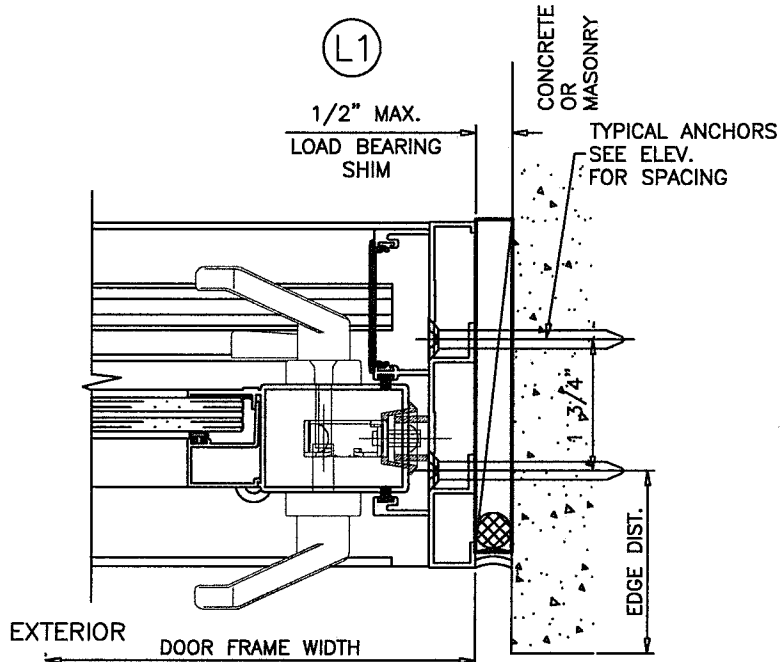
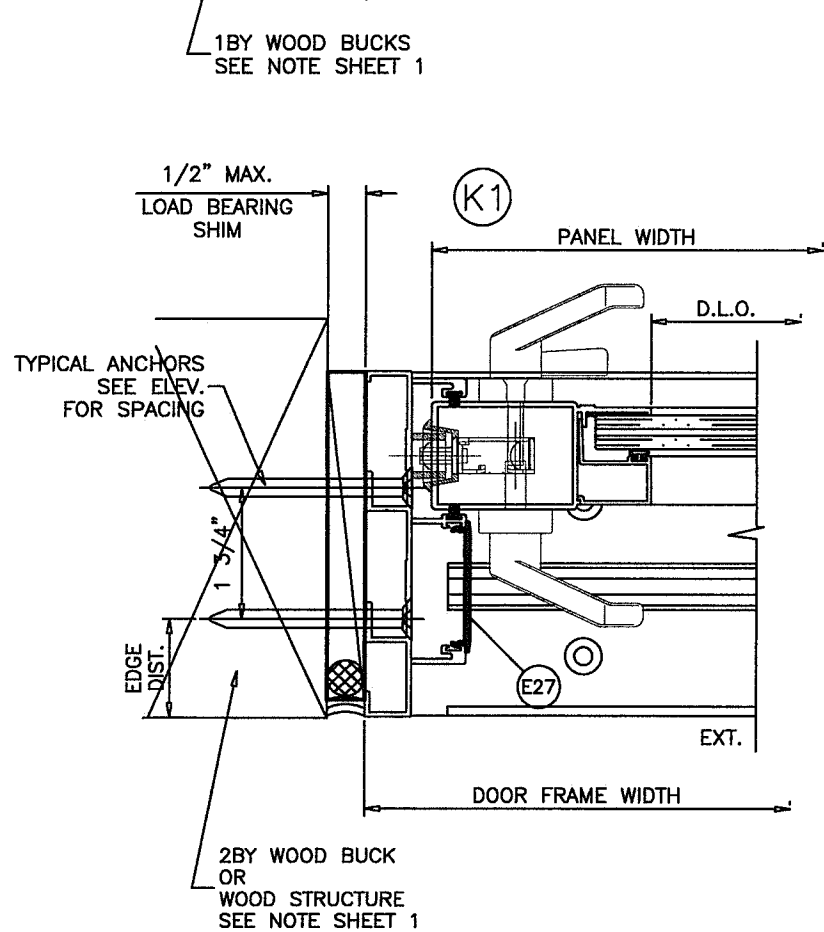
A. LYNN MILLER, P.E. P.E.# 58705

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


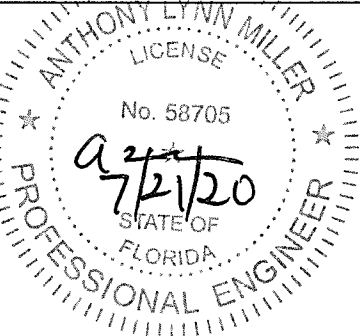


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**

By: Isaac I. Chan
Miami-Dade Product Control

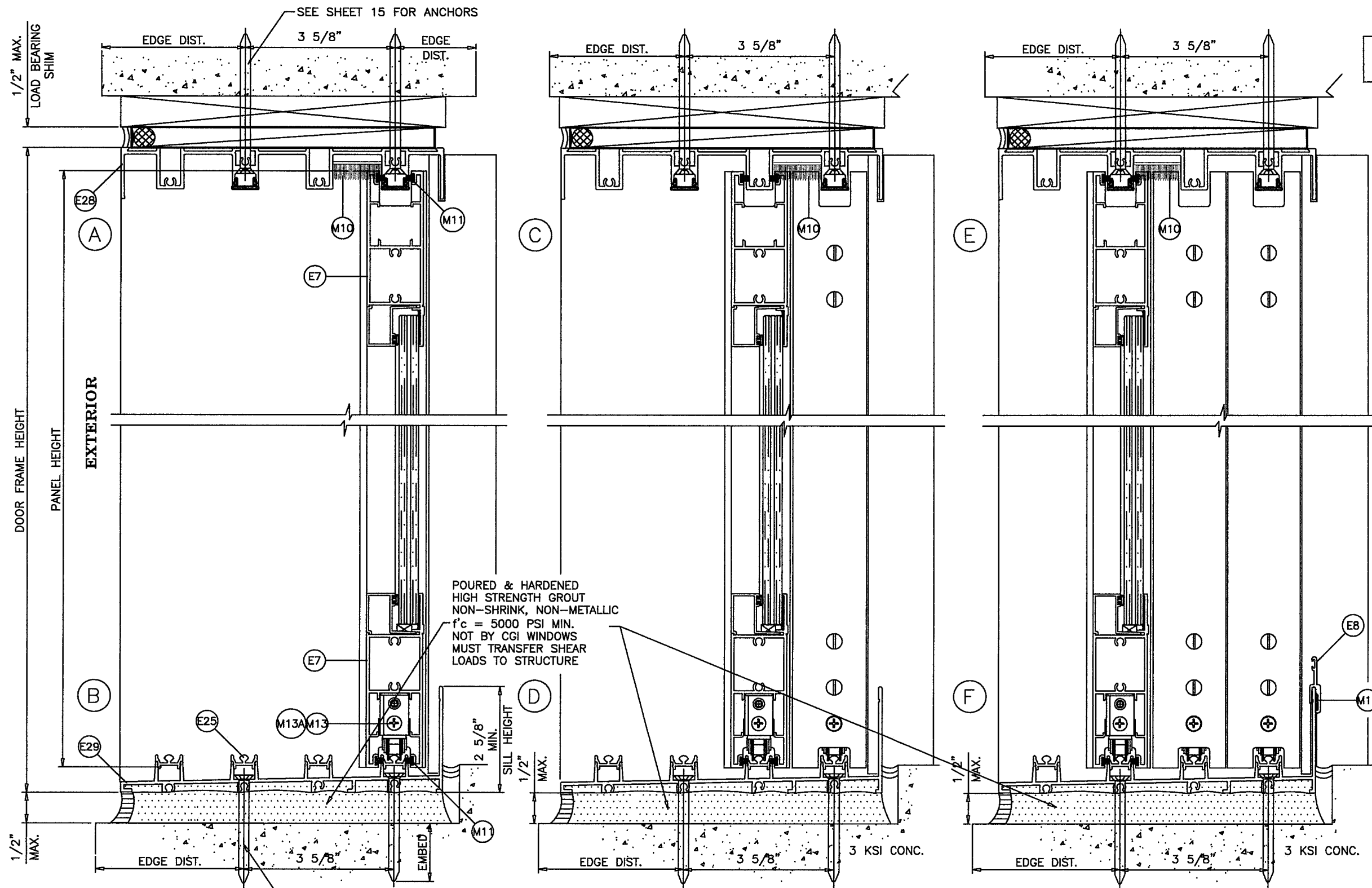


TWO (2) TRACK DOOR DETAILS

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Description: 2-TRACK DOOR DETAILS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 19 OF 28	Drawing No. SGD150LMI-NOA	Rev: A			

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

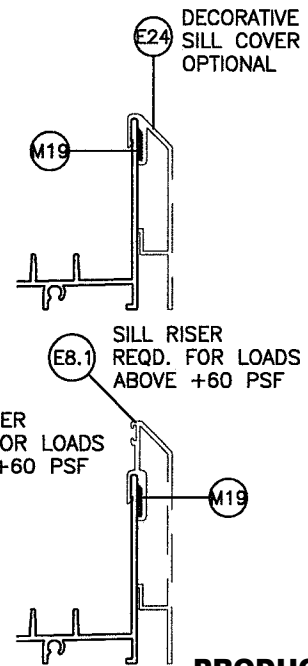
A. LYNN MILLER, P.E. P.E.# 58705



REFER TO SHEET 15 FOR VARIOUS
INSTALLATION CONDITIONS.


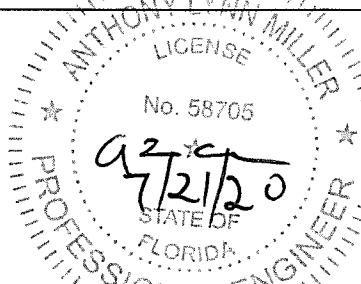
WEEP SIZE 1/4" X 1/8"

**OPTIONAL
SLANT SILL ADAPTORS**

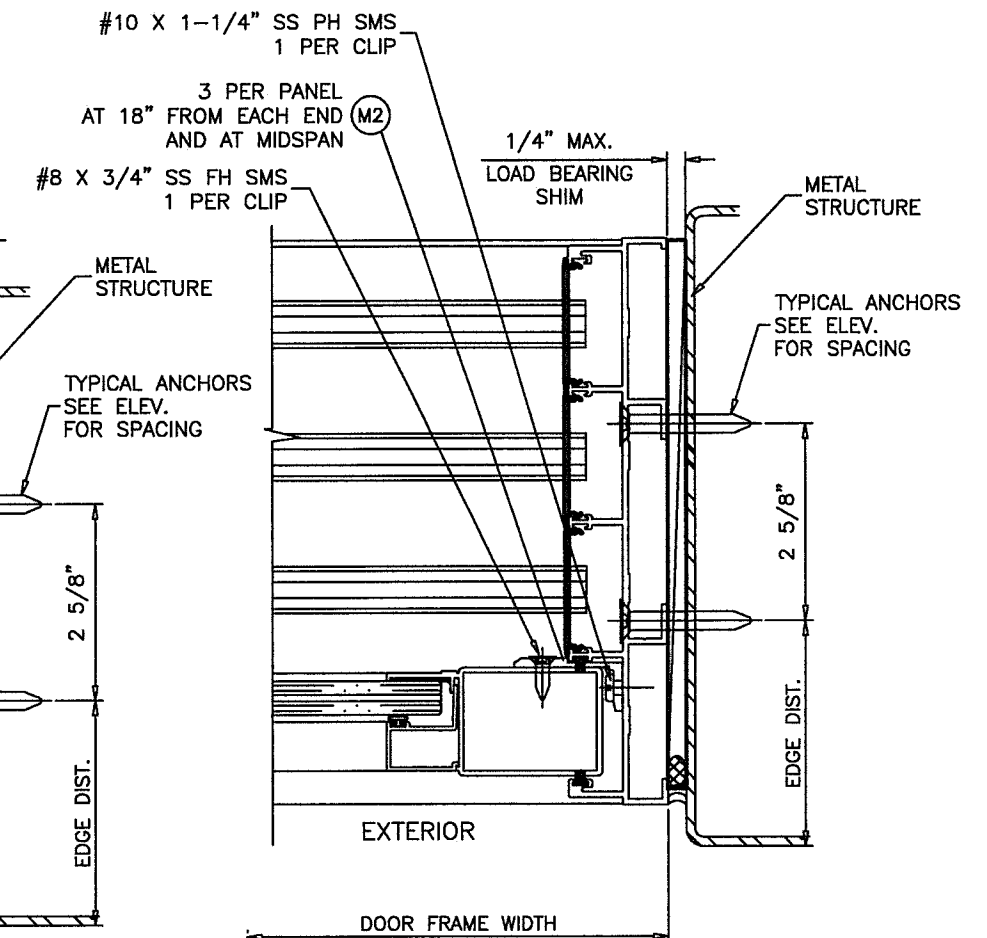
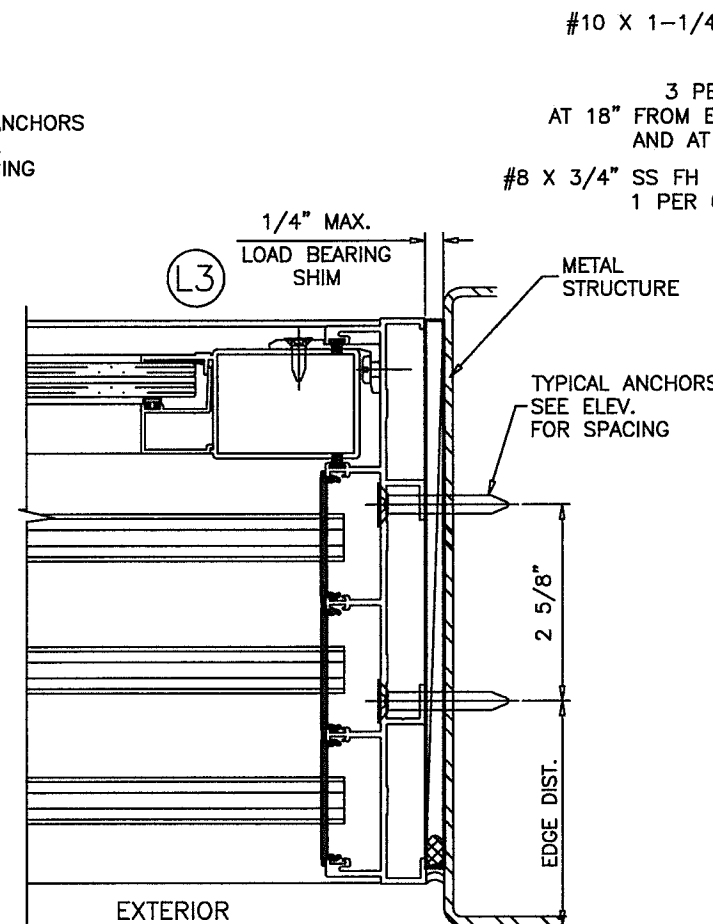
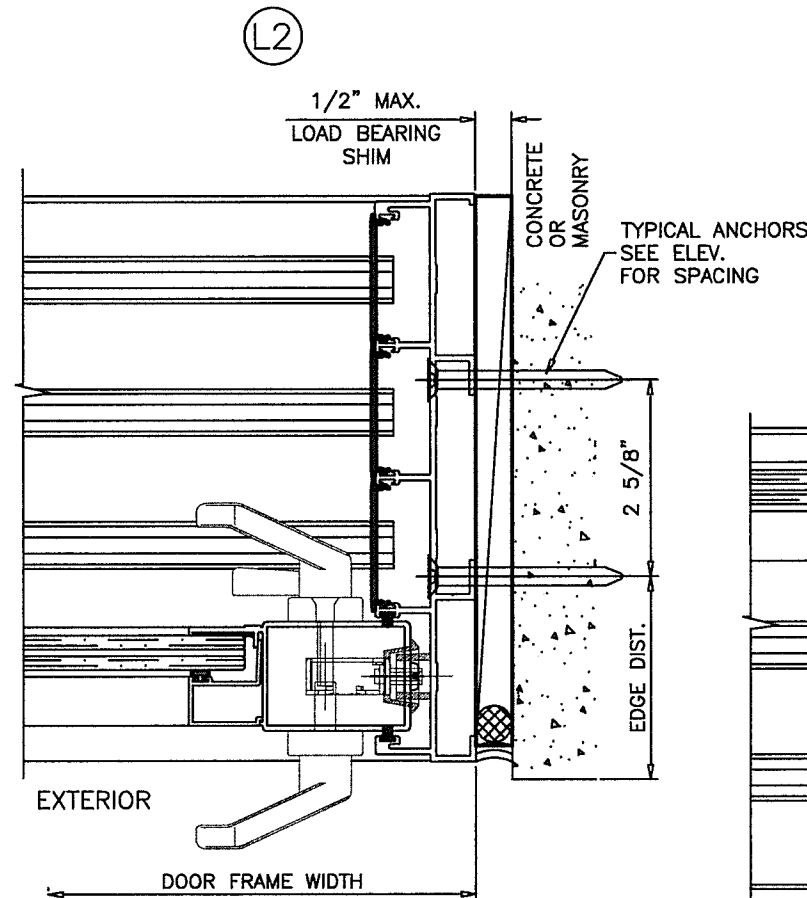
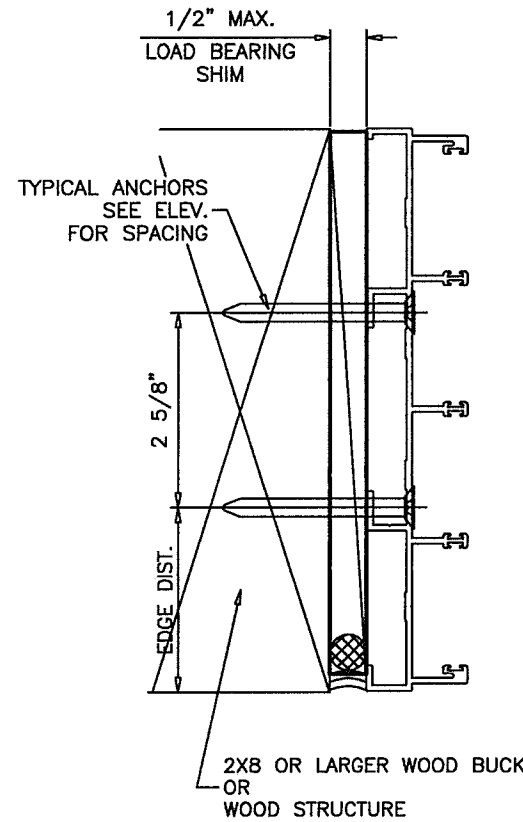
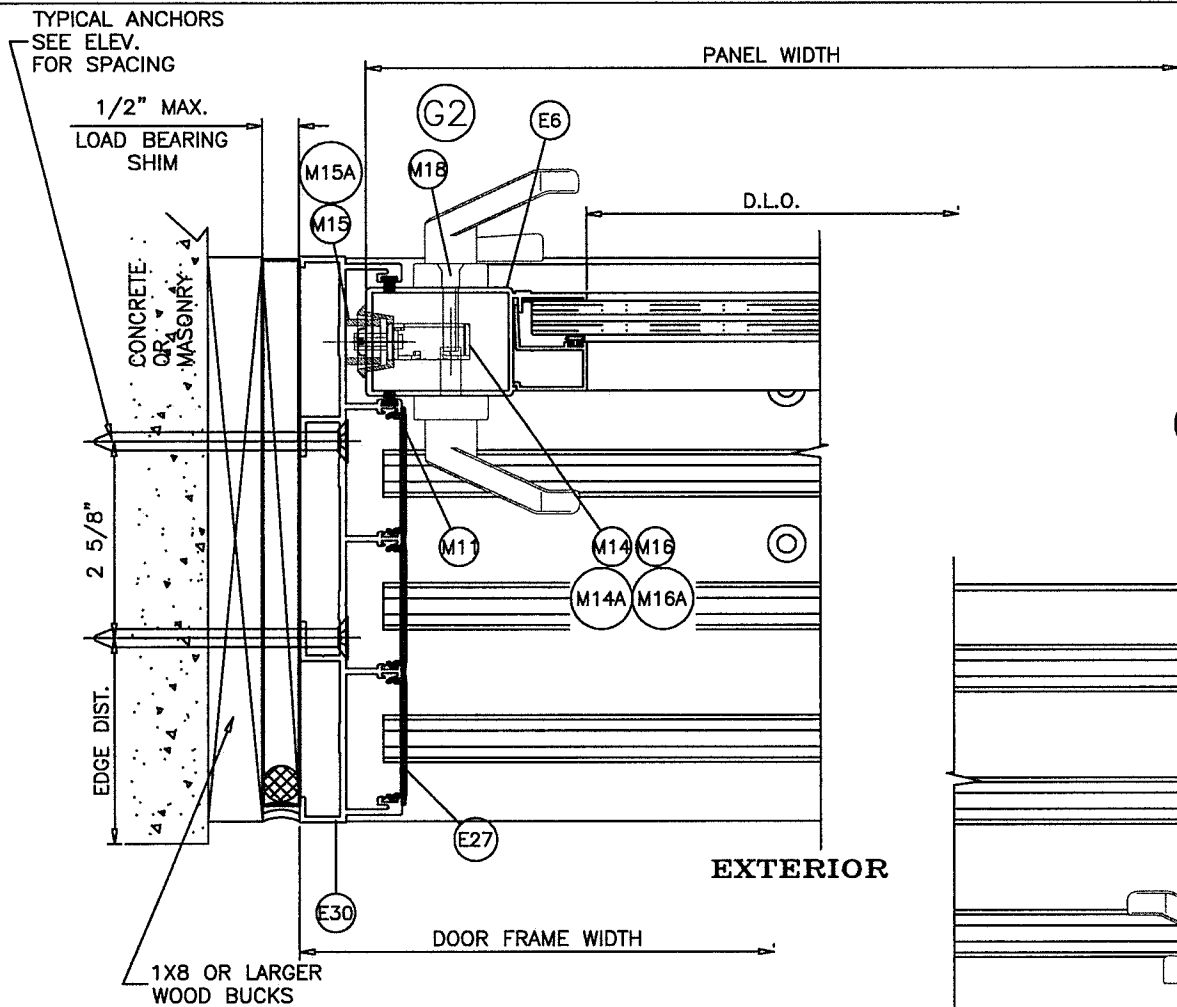


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ismael L. Chanda
Miami-Dade Product Control

FOUR (4) TRACK DOOR DETAILS


Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WERE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	 A. LYNN MILLER, P.E. P.E.# 58705
Description: 4-TRACK DOOR DETAILS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 20 OF 28	Drawing No. SGD150LMI-NOA		Rev: A		

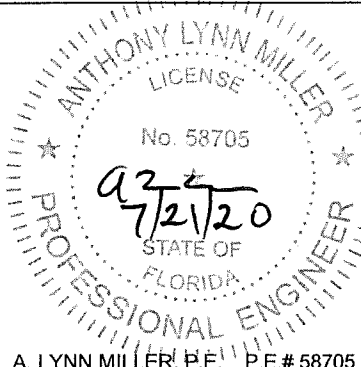
A. LYNN MILLER, P.E. P.E.# 58705



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

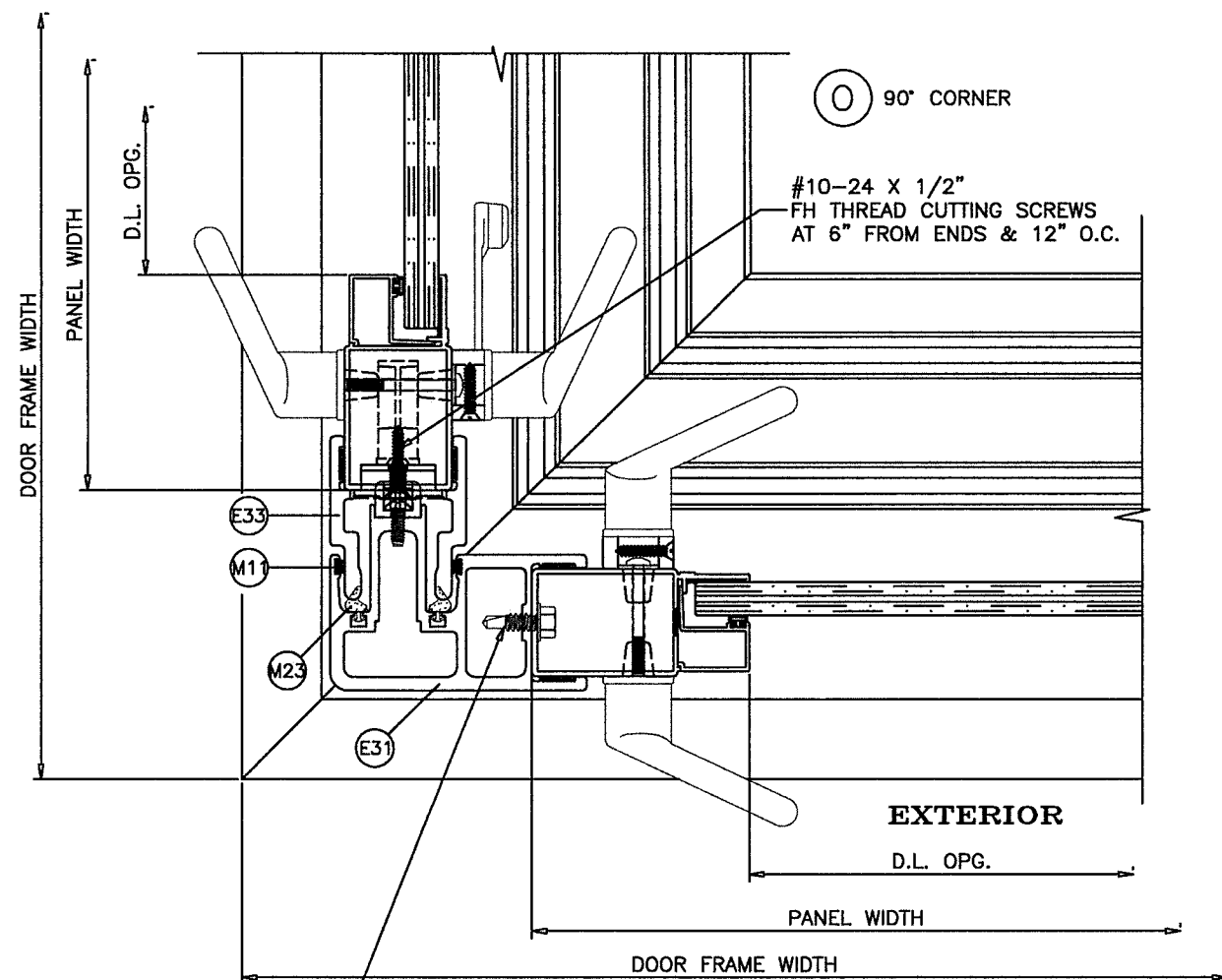
FOUR (4) TRACK DOOR DETAILS

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Description: 4-TRACK DOOR DETAILS			Date: 5/22/19			
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 21 OF 28	Drawing No. SGD150LMI-NOA		Rev: A	REGISTRATION #29296

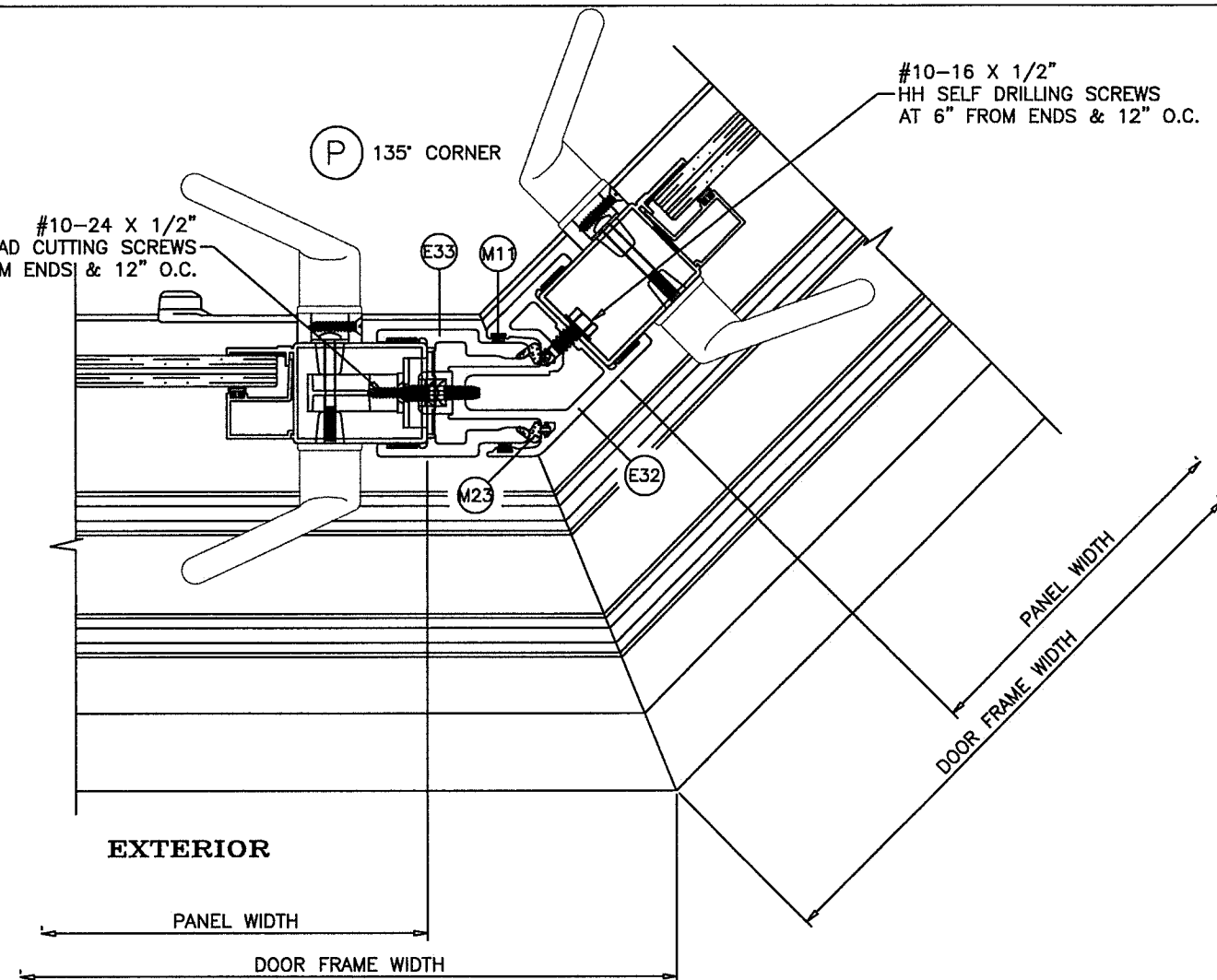


ANTHONY LYNN MILLER
LICENSE
No. 58705
7/21/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

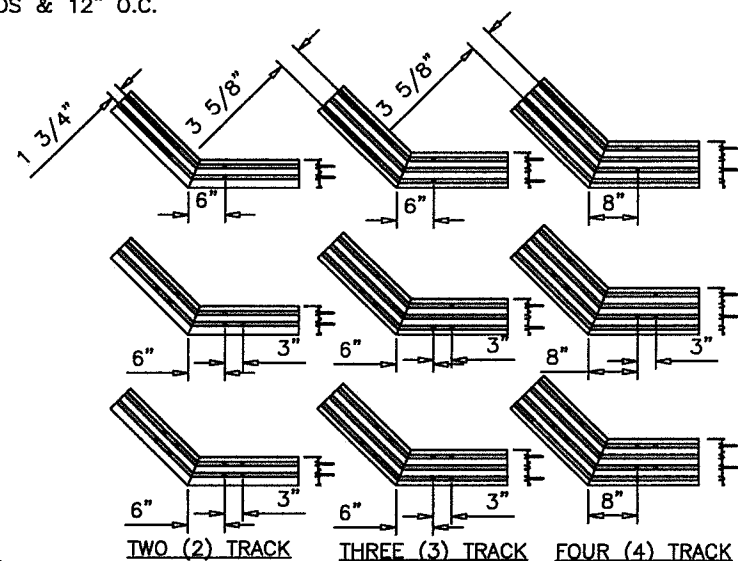
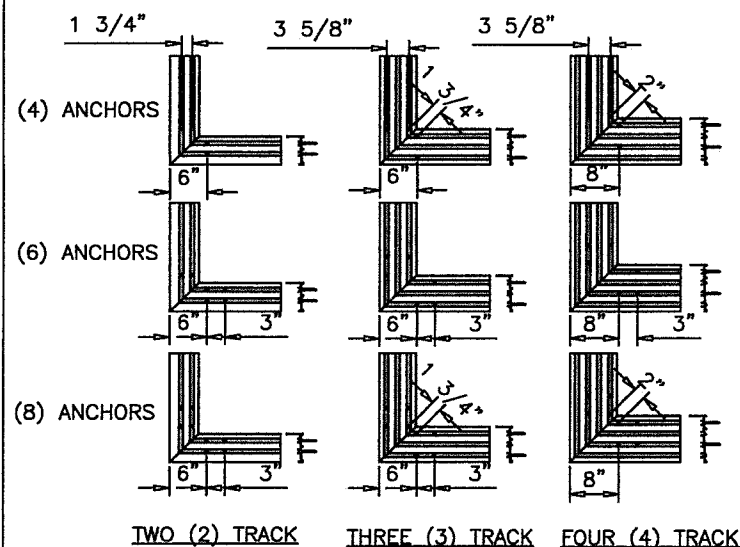


#10-24 X 1/2"
FH THREAD CUTTING SCREWS
AT 6" FROM ENDS & 12" O.C.


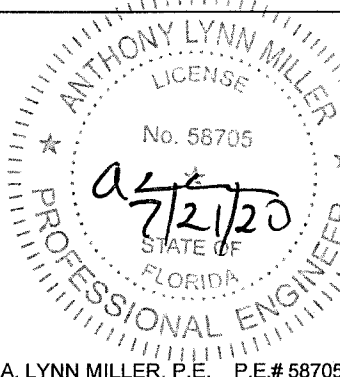


#10-16 X 1/2"
HH SELF DRILLING SCREWS
AT 6" FROM ENDS & 12" O.C.

DETAILS APPLICABLE FOR OUTSIDE CORNERS ONLY



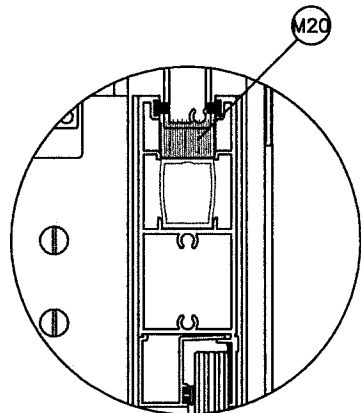
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Description: CORNER DETAILS			Date: 5/22/19			
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 22 OF 28	Drawing No. SGD150LMI-NOA		Rev: A	
REGISTRATION #29296						

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

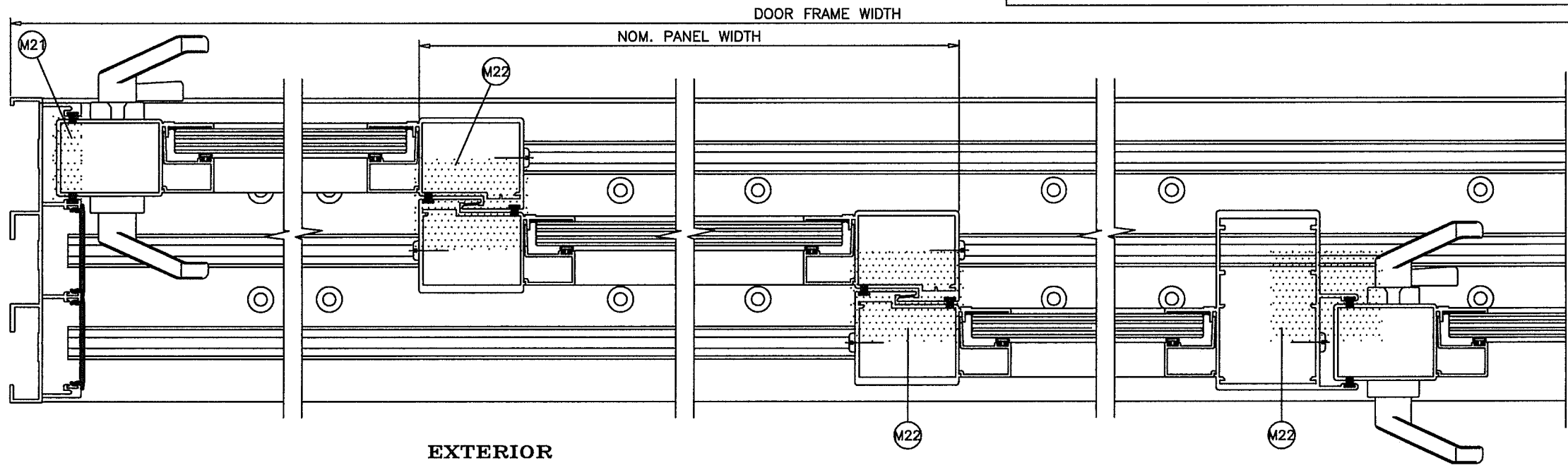
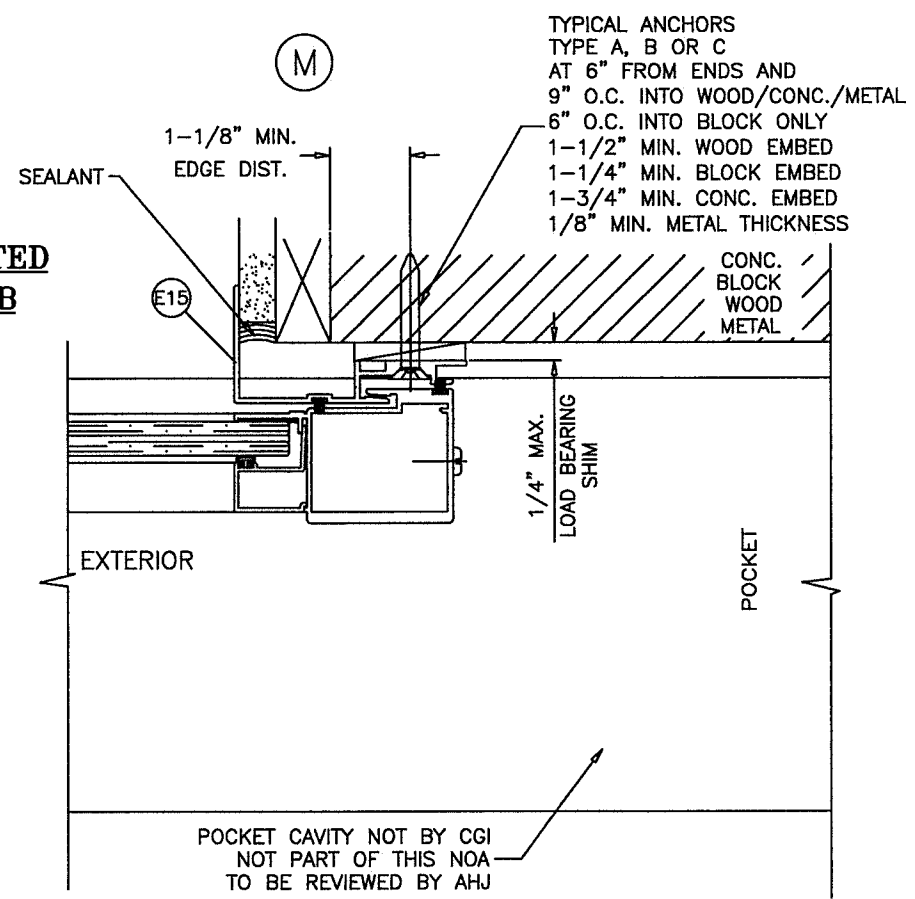
A. LYNN MILLER, P.E. P.E.# 58705

TYPICAL PAD PILE INSTALLATION LOCATION



TYPICAL AT PANEL 4 CORNERS

EXTERIOR MOUNTED
POCKETED JAMB



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chande
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296
Description: DETAILS				Date: 5/22/19		
Revision: NO CHANGES THIS SHEET				Rev. By: AGK Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 23 OF 28	Drawing No. SGD150LMI-NOA	Rev: A		


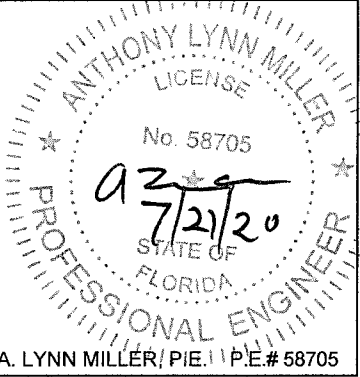
A. LYNN MILLER, P.E. P.E.# 58705

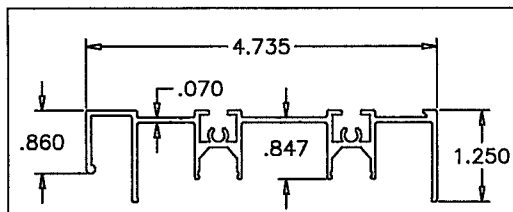
CODE	PART No.	DESCRIPTION	MATERIAL	MANUF.	REMARKS	CODE	PART No.	DESCRIPTION	MATERIAL	MANUF.	REMARKS
E1	CGI-183	FRAME SILL 2 TRACK	6063-T6	CGI EXTRUDER	-	M2	CGI-171C	FIXED PANEL CLIP (2-1/2" LONG)	6063-T5	-	3 @ FIXED PANEL
E2	CGI-151	FRAME JAMB 2 TRACK	6063-T6	CGI EXTRUDER	-	M3	CGI-173	FIXED PANEL SHIM	NYLON	-	2 PER FIXED PANEL
E3	CGI-186	FRAME HEAD 2 TRACK	6063-T6	CGI EXTRUDER	-	M10	CGI-176	FRAME HEAD ANTILIFT & PAD PILE	WOOL/NYLON	SULLIVAN	1 PER INTERLOCK/ASTR.
E4	CGI-153	EXTERIOR INTERLOCK	6063-T6	CGI EXTRUDER	-	M11	W23201NG	PILE WITH CENTER FIN	WOOL	ULTRAFAB OR EQUIV.	-
E5	CGI-154	INTERIOR INTERLOCK	6063-T6	CGI EXTRUDER	-	M12	-	BOTTOM RAIL STIFFENER, 1" LONG, 2 AT EACH END	ALUMINUM	CGI EXTRUDER	4 PER BOTTOM RAIL
E6	CGI-155	MAIN STILE	6063-T6	CGI EXTRUDER	-	M13	TA-51	ROLLER ASSEMBLY AT PANELS WITHOUT CORNERS	ST/ST	AMESBURY	2 PER OPERABLE PANEL
E7	CGI-156	TOP & BOTTOM HORIZ	6063-T6	CGI EXTRUDER	-	M13A	1984	ROLLER ASSEMBLY AT CORNER PANELS	ST/ST	AMESBURY	2 PER OPERABLE PANEL
E8	CGI-157	SILL RISER	6063-T6	CGI EXTRUDER	-	M14	SGD-500	DUAL MORTISE LOCK	ST/ST	SULLIVAN	ATTACHED TO SGD-503
E8.1	CGI-181	ALT. SILL RISER(OPTIONAL)	6063-T6	CGI EXTRUDER	-	M14A	PS01-0036-117	DUAL MORTISE LOCK	ST/ST	INTERLOCKS	ATTACHED TO M16A
E9	CGI-158	INTERIOR TRACK ASTRAGAL	6063-T6	CGI EXTRUDER	-	M15	SGD-507	KEEPER	ZINC	SULLIVAN	INST. W/ 2 #10X3/4" PH
E10	CGI-159	INTERLOCK REINFORCING (LENGTH = FRAME HT. - 8")	6063-T6	CGI EXTRUDER	-	M15A	SGD-507N	KEEPER	ZINC	INTERLOCKS	INST. W/ 2 #10X3/4" PH
E11	CGI-182	FRAME SILL 3 TRACK	6063-T6	CGI EXTRUDER	-	M16	SGD-503	RECESSED ADAPTOR	ZINC	SULLIVAN	INST. W/ 2 #10X3/4" FH
E12	CGI-161	FRAME JAMB 3 TRACK	6063-T6	CGI EXTRUDER	-	M16A	PS01-0036-117	RECESSED ADAPTOR	ZINC	INTERLOCKS	INST. W/ 2 #10X3/4" FH
E13	CGI-185	FRAME HEAD 3 TRACK	6063-T6	CGI EXTRUDER	-	M17	SGD-5500	HANDLE SET	ZINC	SULLIVAN/INTERLOCKS	-
E14	CGI-168	OUTER TRACK ASTRAGAL	6063-T6	CGI EXTRUDER	-	M18	SM2300WH	HANDLE SET OPTIONAL	ZINC	SULLIVAN	-
E15	CGI-170	POCKET HOOK	6063-T6	CGI EXTRUDER	-	M19	SCS2000 SILPRUF	SEALANT	SILICONE	GE	-
E16	CGI-121	7/16" GLASS GLAZING BEAD	6063-T5	CGI EXTRUDER	-	M20	CGI-177	PANEL TOP & BOTTOM DUST PILE	WOOL/PVC	SULLIVAN OR EQUIV.	4 PER PANEL
E17	CGI-123	1" GLASS GLAZING BEAD	6063-T5	CGI EXTRUDER	-	M21	WS-202	HEAD AND SILL SMALL PILE PAD	WOOL	ULTRAFAB OR EQUIV.	1 PER INTERLOCK/ASTRAGAL
E18	CGI-153A	EXTERIOR INTERLOCK (OPTIONAL)	6063-T6	CGI EXTRUDER	-	M22	WS-201	SILL INTERLOCK PILE PAD	WOOL	ULTRAFAB OR EQUIV.	
E19	CGI-154A	INTERIOR INTERLOCK (OPTIONAL)	6063-T6	CGI EXTRUDER	-	M23	HD-12-10042	.350" REACH POCKET SEAL	-	AMESBURY	-
E20	CGI-155A	MAIN STILE (OPTIONAL)	6063-T6	CGI EXTRUDER	-	S2	-	#10 X 1 1/4" LG. PHL. PH. SMS. ST/ST. ASY. SCREW	-	-	2 OR 3 PER CORNER
E21	CGI-156A	TOP & BOTTOM HORIZ (OPTIONAL)	6063-T6	CGI EXTRUDER	-						
E22	CGI-158A	ASTRAGAL (OPTIONAL)	6063-T6	CGI EXTRUDER	-						
E23	CGI-168A	OUTER-TRACK ASTRAGAL (OPTIONAL)	6063-T6	CGI EXTRUDER	-						
E24	CGI-180	DECORATIVE SILL COVER (OPTIONAL)	6063-T6	CGI EXTRUDER	-						
E25	CGI-184	2, 3 & 4 TRACK FRAME SILL SCREW COVER	6063-T6	CGI EXTRUDER	-						
E26	CGI-187	2, 3 & 4 TRACK FRAME HEAD SCREW COVER	6063-T5	CGI EXTRUDER	-						
E27	CGI-188	FRAME JAMB SCREW COVER (OPTIONAL)	6063-T5	CGI EXTRUDER	-						
E28	CGI-1028	FRAME HEAD 4 TRACK	6063-T6	CGI EXTRUDER	-						
E29	CGI-1029	FRAME SILL 4 TRACK	6063-T6	CGI EXTRUDER	-						
E30	CGI-1030	FRAME JAMB 4 TRACK	6063-T6	CGI EXTRUDER	-						
E31	CGI-1057	FEMALE CORNER ADAPTOR (90°)	6063-T6	CGI EXTRUDER	-						
E32	CGI-1058	FEMALE CORNER ADAPTOR (135°)	6063-T6	CGI EXTRUDER	-						
E33	CGI-1059	MALE CORNER ADAPTOR	6063-T6	CGI EXTRUDER	-						
M1	CGI-382V	GLAZING BULB VINYL (DUROMETER 75-80 SHORE A)	PVC	-	-						

SINGLE LOCK: FOR ALL PANELS WITHOUT CORNERS
TWO POINT LOCK BY 'SULLIVAN' OR 'INTERLOCK' LOCATED AT
MAIN STILE AT 40" FROM BOTTOM
SS MORTISE LOCK (PART #SGD-500) (PS01-0036-117)
ZINC RECESSED ADAPTOR (PART #SGD-503) (PS01-0036-117)
ZINC HANDLE SET (PART #SM5500) & (PART #SM2300WH)
ZINC KEEPER (PART #SGD-507) (PART #SGD-507N)

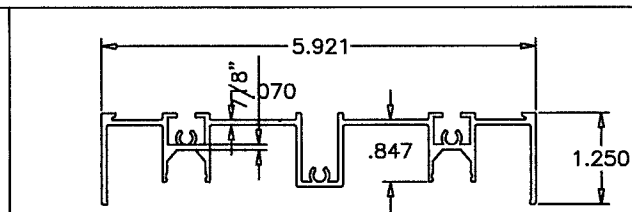
DOUBLE LOCKS: REQD. AT 90° AND 135° CORNER PANELS ONLY
TWO POINT LOCKS LOCATED AT MAIN STILE AT 40" AND 78" FROM
BOTTOM
SS MORTISE LOCKS WITH RECESSED ADAPTORS (PART #HD-3310141)
SECURED WITH (2) 10-24 X 1/2" FH SCREWS
BOTTOM LOCK ACTIVATES TOP LOCK WITH A MECHANICALLY ATTACHED
CONNECTING BAR (PART #HD-3310142)
ZINC HANDLE SET
SECURED WITH (2) 6-32 X 1-1/2" OH MS
STEEL KEEPER (PART #HD-3310143)
SECURED WITH (4) 10-24 X 1/2" PH THREAD FORMING SCREWS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0729.06
Expiration Date: 09/22/2025
By: Anthony L. Miller
Miami-Dade Product Control

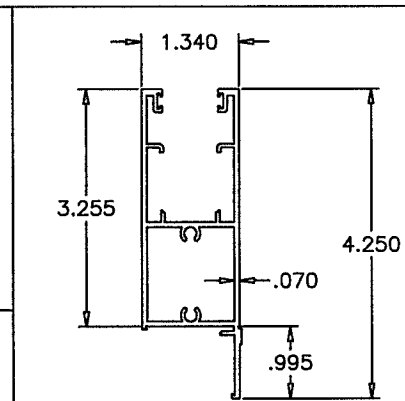
Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
Description: BILL OF MATERIALS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 24 OF 28	Drawing No. SGD150LMI-NOA	Rev: A			



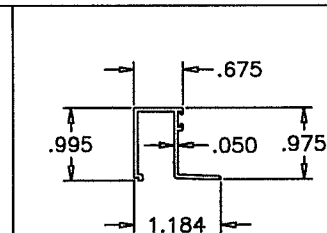
E3 FRAME HEAD (2 TRACK)



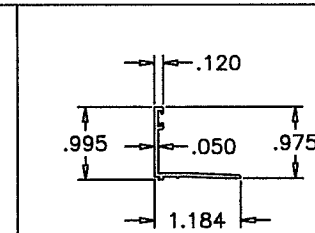
E13 FRAME HEAD (3 TRACK)



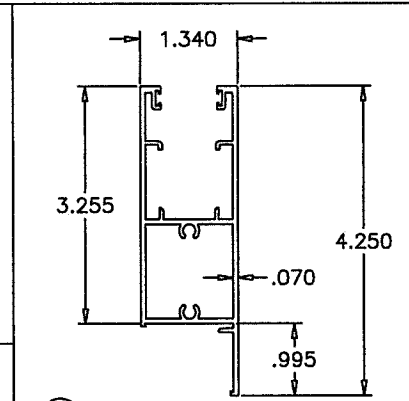
E7 TOP/BOTTOM HORIZ



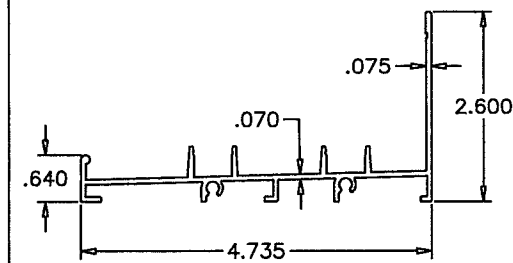
E16 GLAZING BEAD
LAM. GLASS



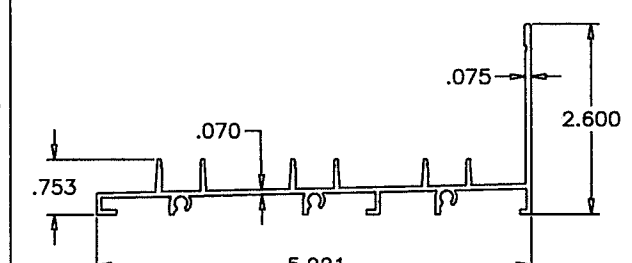
E17 GLAZING BEAD
INSUL. LAM. GLASS



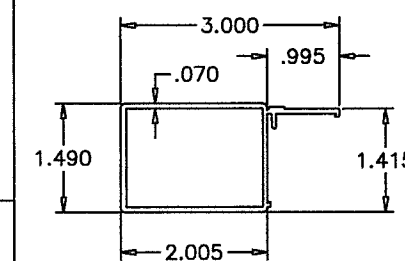
E21 TOP/BOTTOM HORIZ (OPTIONAL)



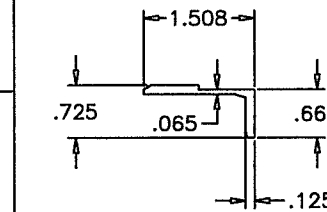
E1 FRAME SILL (2 TRACK)



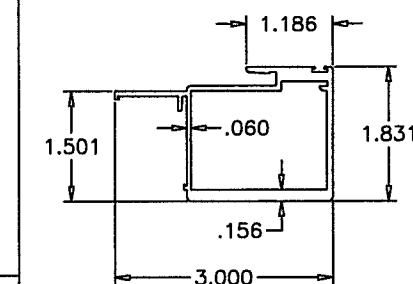
E11 FRAME SILL (3 TRACK)



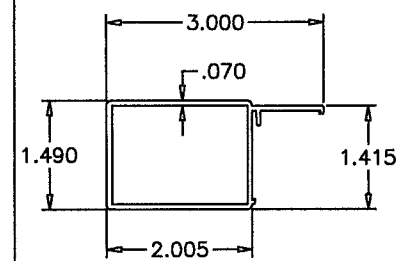
E6 MAIN STILE



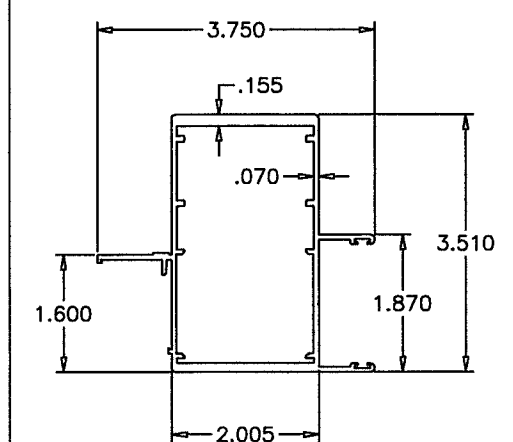
M2 FIX. PANEL CLIP



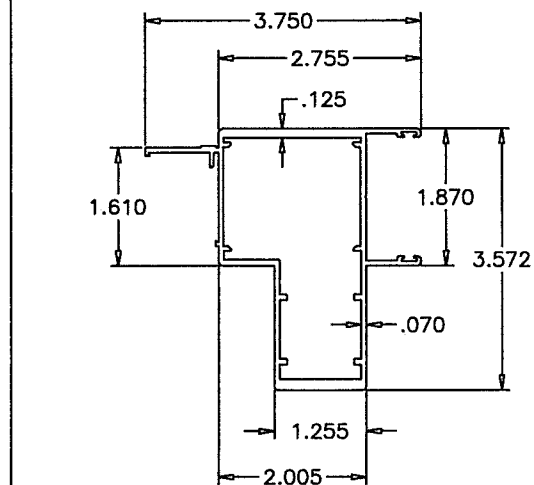
E18 EXTERIOR INTERLOCK (OPTIONAL)



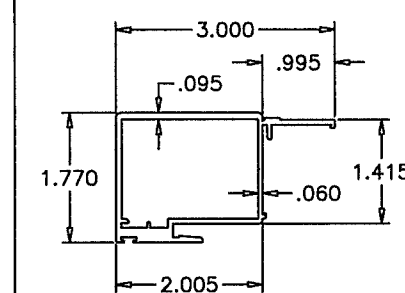
E20 MAIN STILE (OPTIONAL)



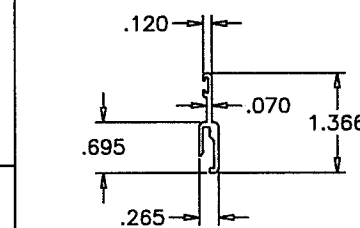
E14 OUTER TRACK ASTRAGAL STILE



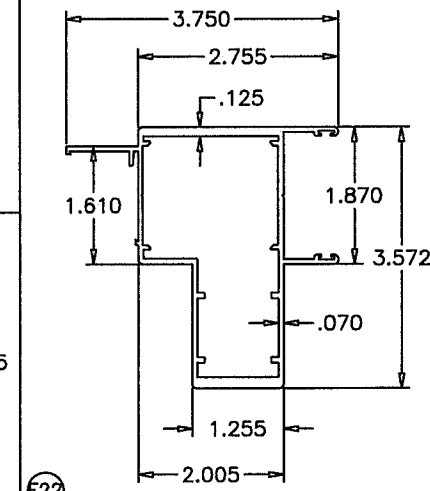
E9 INTERIOR TRACK ASTRAGAL STILE



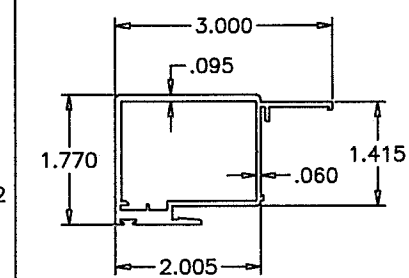
E5 INTERIOR INTERLOCK



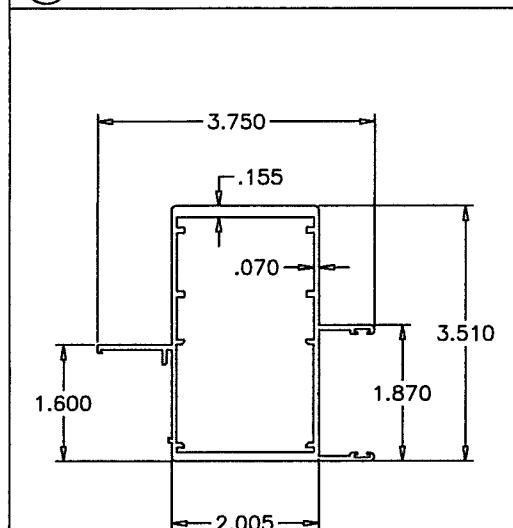
E8 SILL RISER (OPTIONAL)



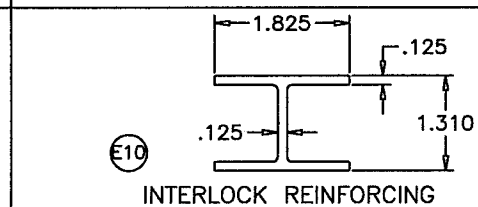
E22 INTERIOR TRACK ASTRAGAL (OPTIONAL)



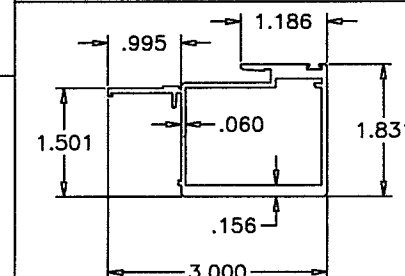
E19 INTERIOR INTERLOCK (OPTIONAL)



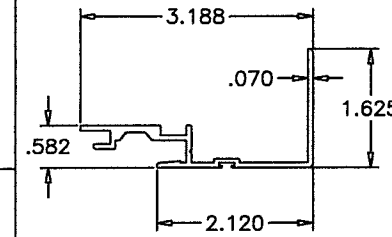
E23 OUTER TRACK ASTRAGAL (OPTIONAL)



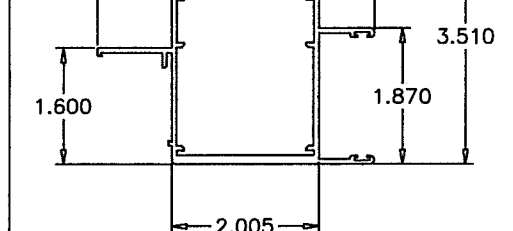
E10 INTERLOCK REINFORCING



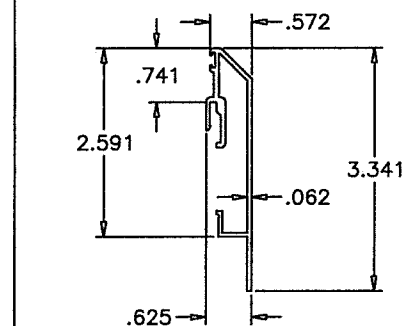
E4 EXTERIOR INTERLOCK



E15 POCKET HOOK


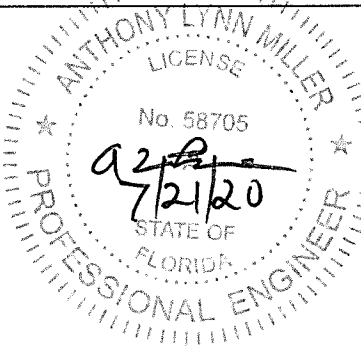


E24 SILL COVER(OPTIONAL)

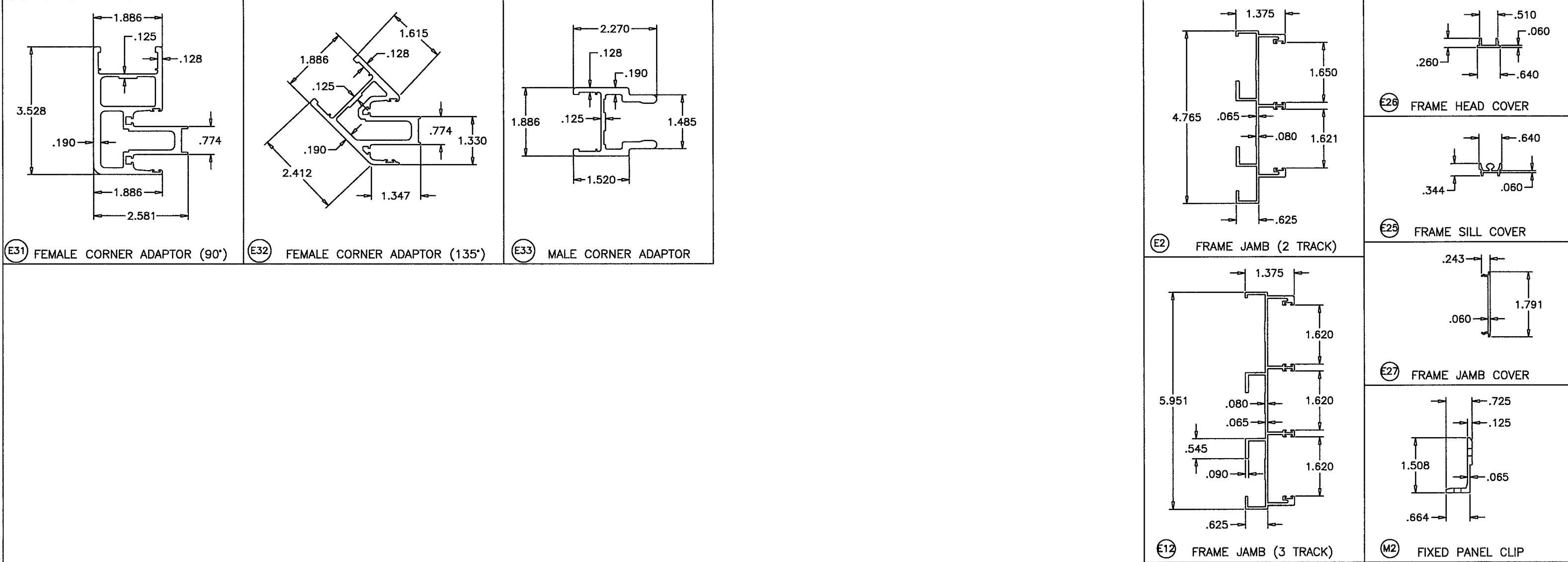


E8.1 SILL RISER (OPTIONAL)


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Isaac I. Chan
Miami-Dade Product Control

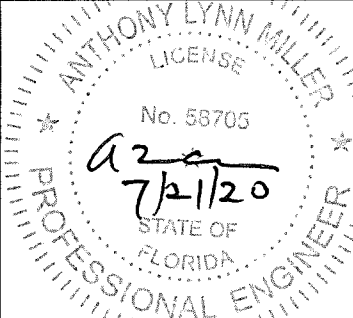
Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	 A. LYNN MILLER, P.E. P.E.# 58705
Description: EXTRUSIONS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20	PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 25 of 28	Drawing No. SGD150LMI-NOA	Rev. A	REGISTRATION #29296		

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

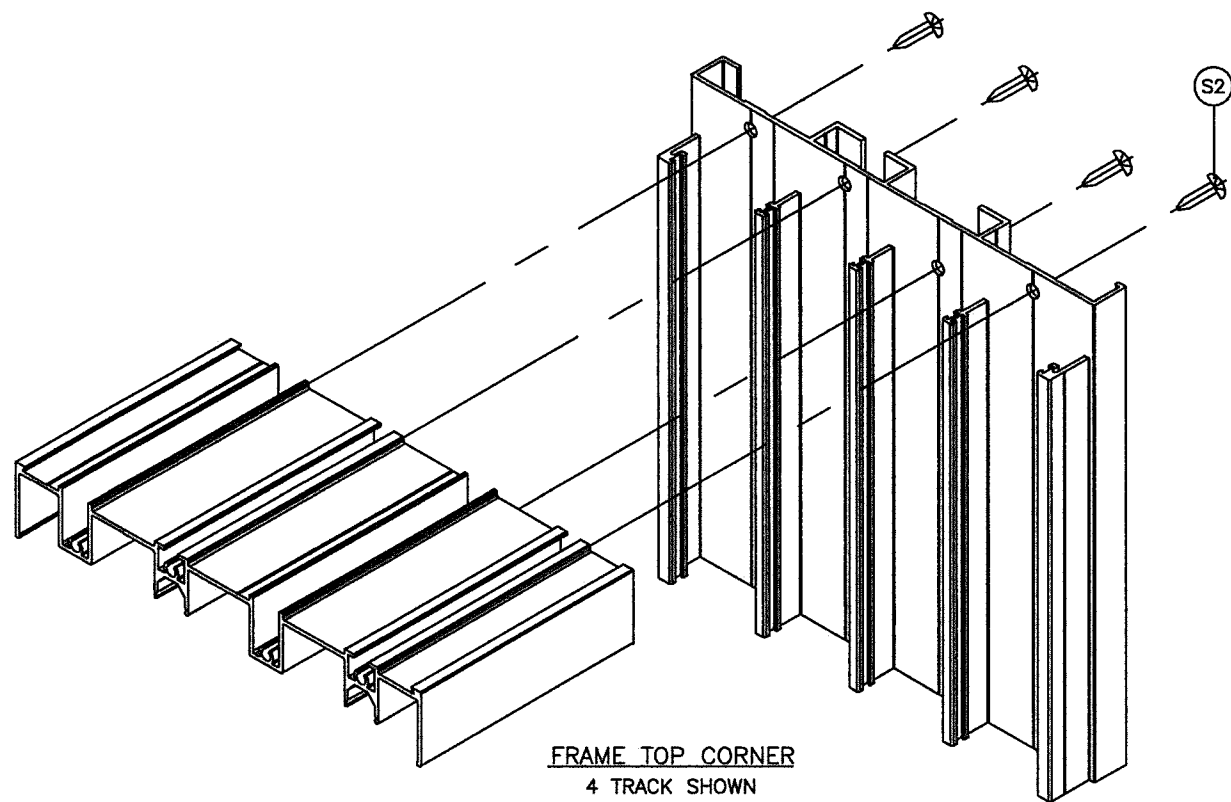


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishag I. Chank
Miami-Dade Product Control

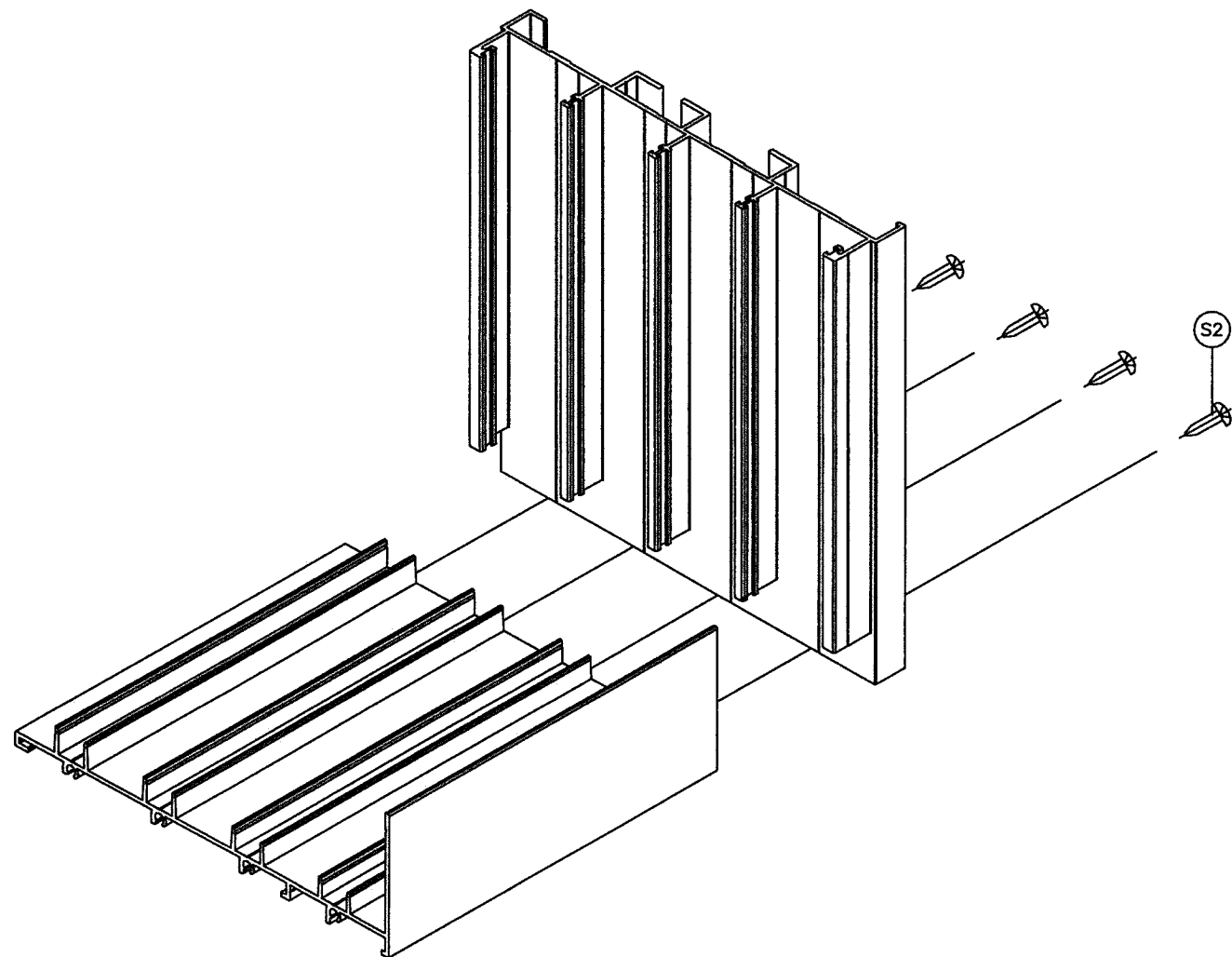
Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296
Description: EXTRUSIONS				Date: 5/22/19		
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20	
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 26 OF 28	Drawing No. SGD150LMI-NOA	Rev: A		



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

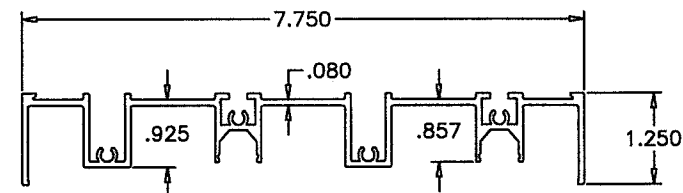


FRAME TOP CORNER
4 TRACK SHOWN



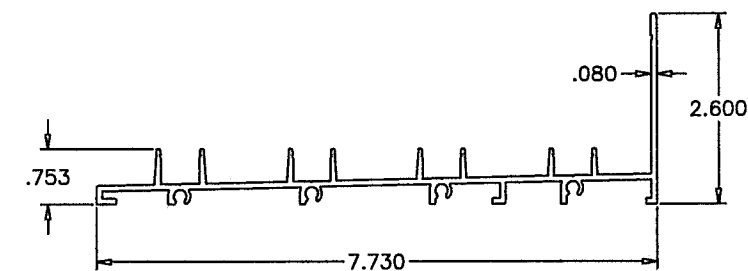
FRAME BOTTOM CORNER
4 TRACK SHOWN

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Ishaq I. Chande
Miami-Dade Product Control



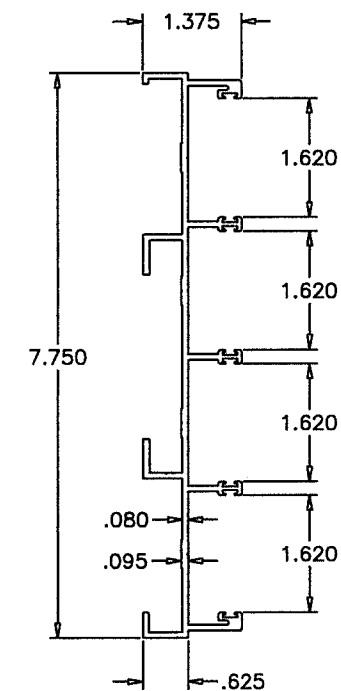
(E28)

FRAME HEAD (4 TRACK)




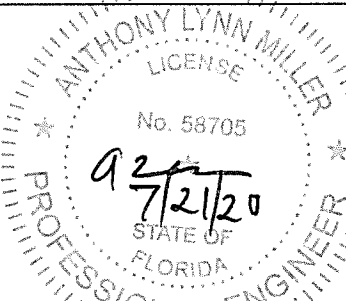
(E29)

FRAME SILL (4 TRACK)

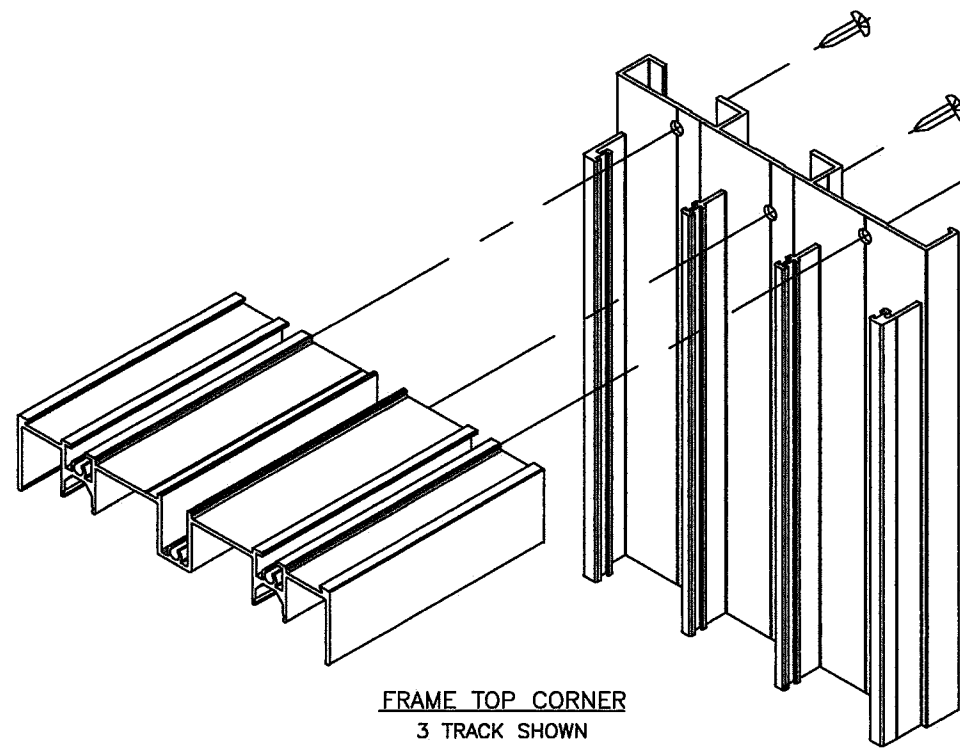


(E30)

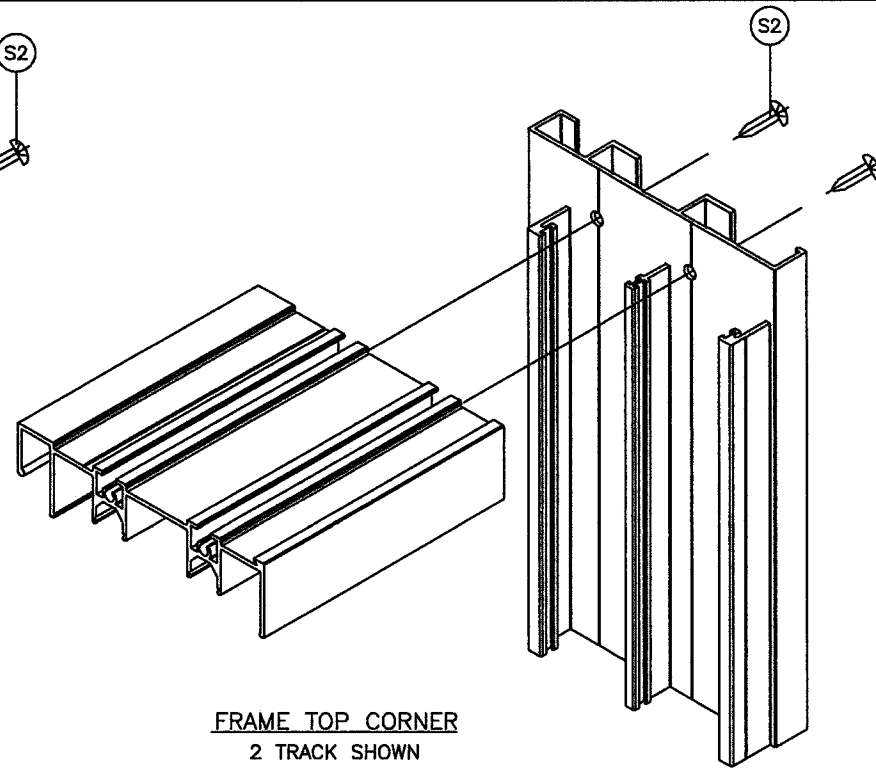
FRAME JAMB (4 TRACK)

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)				Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590 PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Description: INSTALLATION DETAILS, EXTRUSIONS				Date: 5/22/19			
Revision: NO CHANGES THIS SHEET				Rev. By: AGK	Rev. Date: 7/21/20		
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 27 OF 28	Drawing No. SGD150LMI-NOA	Rev: A	REGISTRATION #29296		

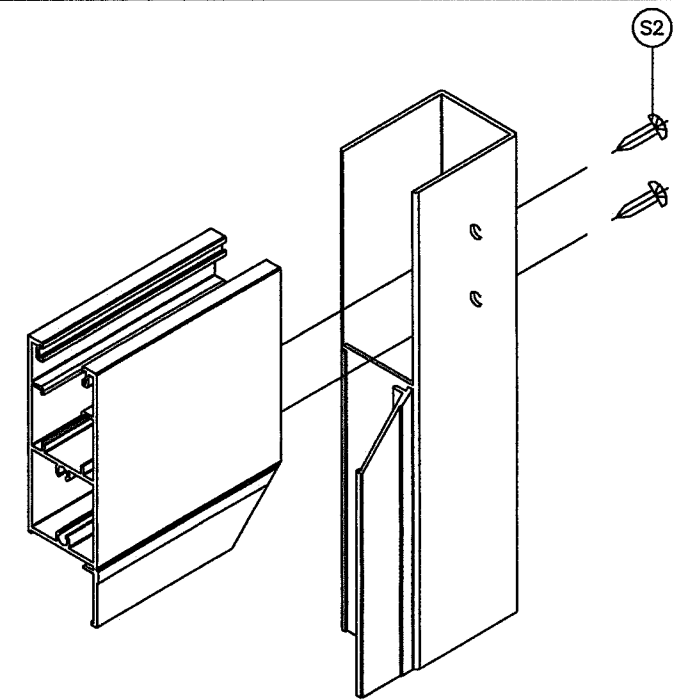
A. LYNN MILLER, P.E. P.E.# 58705



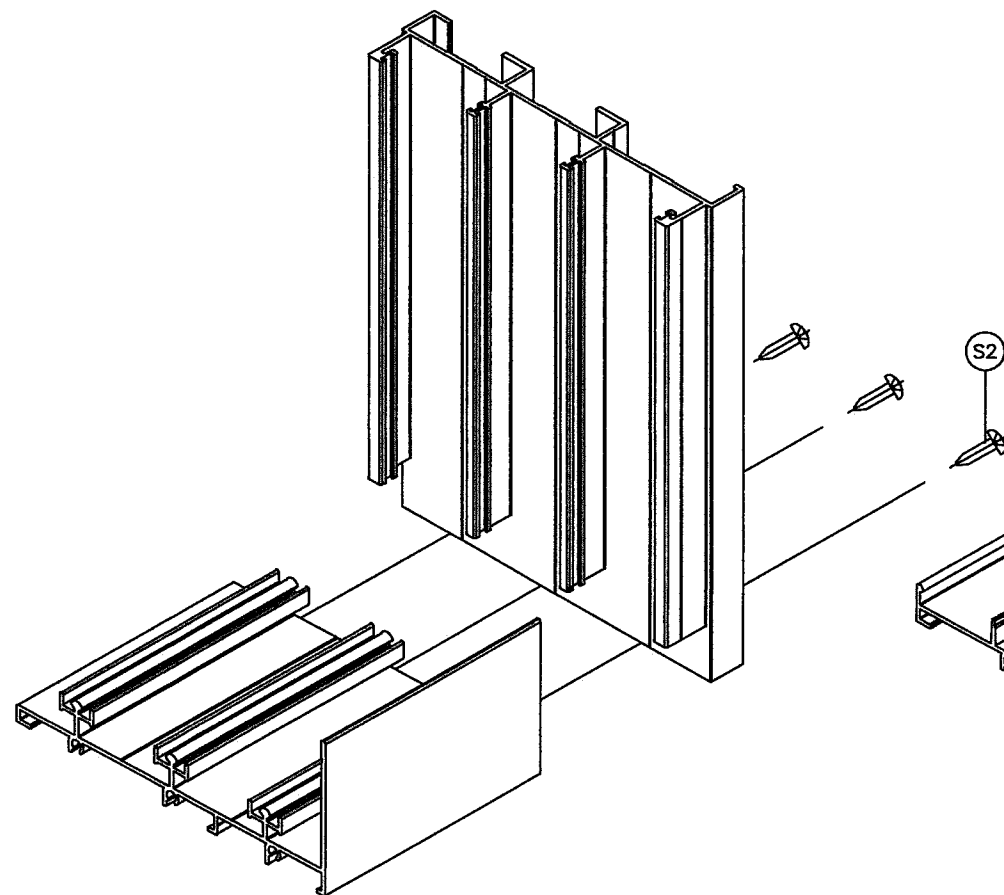
FRAME TOP CORNER
3 TRACK SHOWN



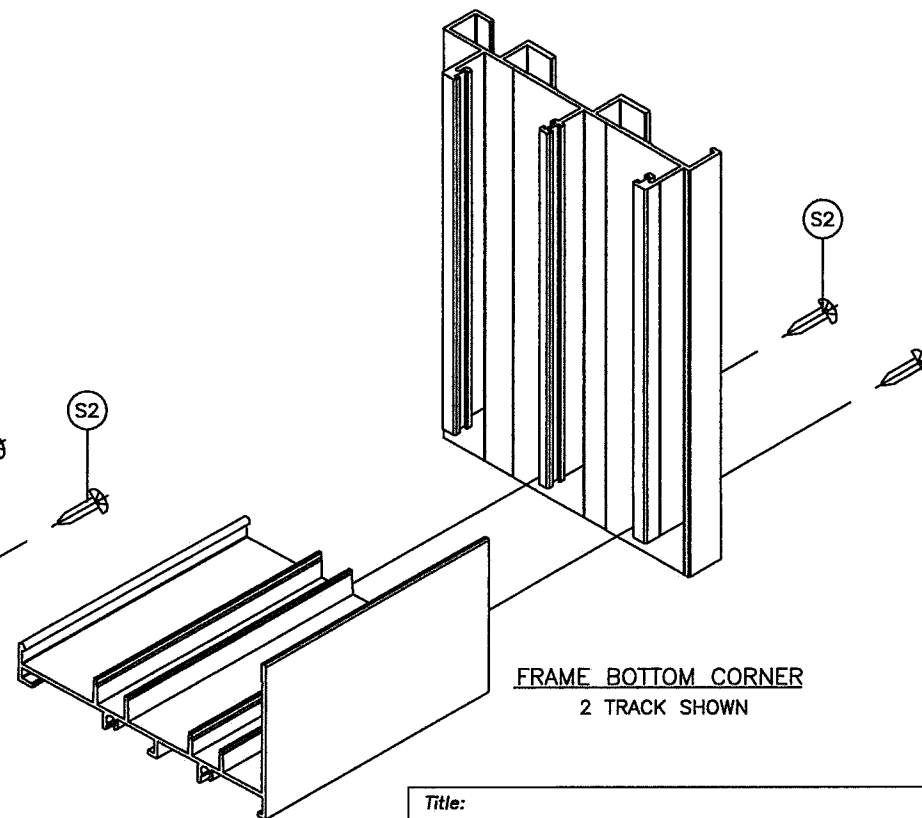
FRAME TOP CORNER
2 TRACK SHOWN



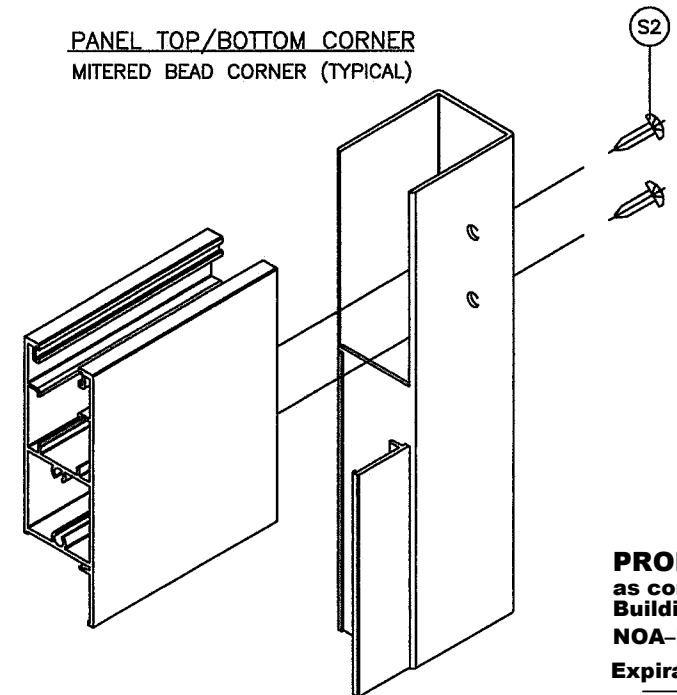
PANEL TOP/BOTTOM CORNER
MITERED BEAD CORNER (TYPICAL)



FRAME BOTTOM CORNER
3 TRACK SHOWN




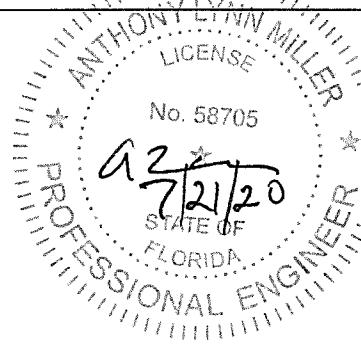
FRAME BOTTOM CORNER
2 TRACK SHOWN



PANEL TOP/BOTTOM CORNER
SQUARE BEAD CORNER (OPTIONAL)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-0729.06**
Expiration Date: **09/22/2025**
By: Isang L. Chan
Miami-Dade Product Control

Title: SENTINEL 150 ALUM SLIDING GLASS DOOR (L.M.I.)			Drawn By: AGK		 Impact Resistant Windows & Doors WE'RE STRONGER™ CGI DOORS AND WINDOWS, INC. 3780 W 104TH STREET HIALEAH, FL 33018 (305) 593-6590	
Description: INSTALLATION DETAILS			Date: 5/22/19			
Revision: NO CHANGES THIS SHEET			Rev. By: AGK	Rev. Date: 7/21/20	PREPARED BY LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	
Series/Model: SGD-150 LMI	Scale: N.T.S.	Sheet: 28 OF 28	Drawing No. SGD150LMI-NOA		Rev: A	REGISTRATION #29296



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