



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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

Titan Glass & Aluminum, LLC
572 West 28th Street
Hialeah, FL 33010

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 "THR-2750" Aluminum Horizontal Rolling Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD11-11**, titled "THR-2750 Alum. Horizontal Rolling Window (LMI)", sheets 1 through 11 of 11, dated 11/14/12, with revision #5 dated 12/21/22, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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.

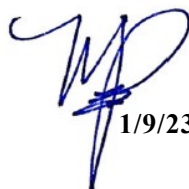
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 No. 20-1104.25** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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




1/9/23

NOA No. 22-1222.02
Expiration Date: December 27, 2027
Approval Date: January 19, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

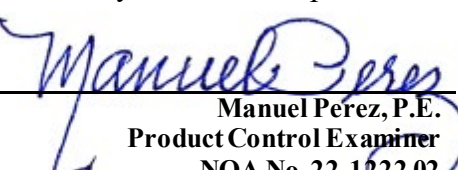
1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 07-1018.07)
2. Drawing No. **AD11-11**, titled "THR-2750 Alum. Horizontal Rolling Window (LMI)", sheets 1 through 11 of 11, dated 11/14/12, with revision #4 dated 10/27/20, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 20-1104.25)

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 FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6234**, dated 04/05/11, and addendum letter dated 07/21/11, all signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0513.01)
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 an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5640**, dated 01/06/09, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 09-0312.07)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5271**, dated 09/05/07, Carlos S. Rionda, P.E.
(Submitted under NOA No. 07-1018.07)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-1222.02
Expiration Date: December 27, 2027
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Titan Glass & Aluminum, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 09/15/15, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 17-1108.01)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

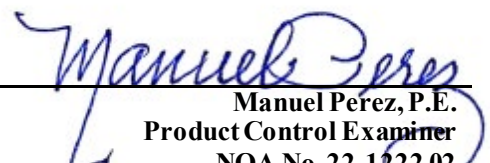
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers"** dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their **"Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer"** dated 05/23/19, expiring on 05/23/24.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, with **FBC 7th Edition (2020)**, and of no financial interest, dated October 27, 2020, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 20-1104.25)
2. Laboratory compliance letter for Test Report No. **FTL-6234**, issued by Fenestration Testing Laboratory, Inc., dated 04/05/11, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 11-0513.01)
3. Laboratory compliance letter for Test Report No. **FTL-5640**, issued by Fenestration Testing Laboratory, Inc., dated 01/06/09, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 09-0312.07)
4. Laboratory compliance letter for Test Report No. **FTL-5271**, issued by Fenestration Testing Laboratory, Inc., dated 09/05/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under NOA No. 07-1018.07)

G. OTHERS

1. Notice of Acceptance No. **17-1108.01**, issued to Titan Glass & Aluminum, LLC for their Series **"THR-2750"** Aluminum Horizontal Rolling Window – L.M.I., approved on 12/18/17 and expiring on 12/27/22.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 22-1222.02
Expiration Date: December 27, 2027
Approval Date: January 19, 2023

Titan Glass & Aluminum, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **AD11-11**, titled “THR-2750 Alum. Horizontal Rolling Window (LMI)”, sheets 1 through 11 of 11, dated 11/14/12, with revision #5 dated 12/21/22, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. None

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 12/15/22, expiring on 07/04/28.

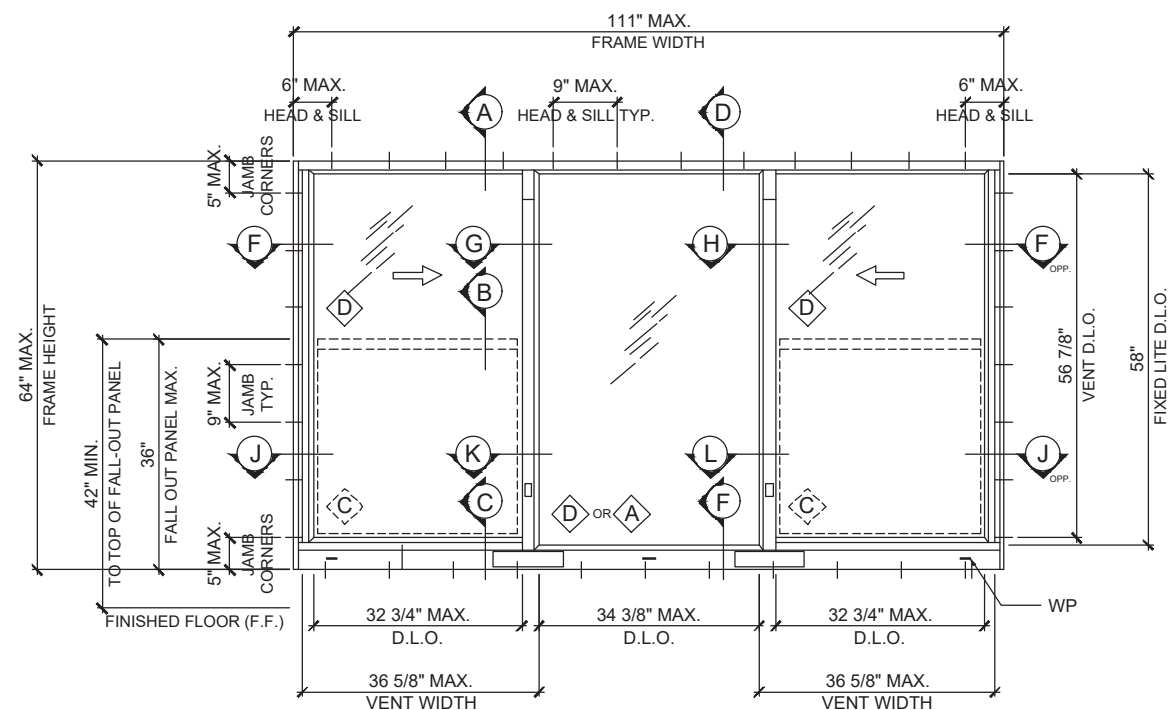
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated December 21, 2022, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

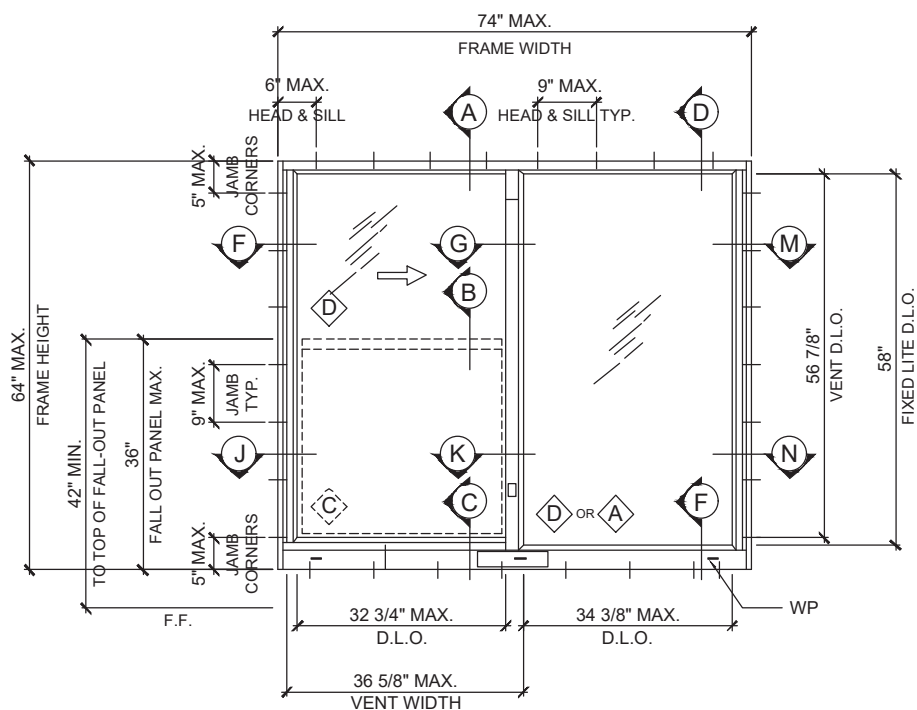
G. OTHERS

1. Notice of Acceptance No. **20-1104.25**, issued to Titan Glass & Aluminum, LLC for their Series “THR-2750” Aluminum Horizontal Rolling Window – L.M.I., approved on 02/18/21 and expiring on 12/27/22.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 22-1222.02
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TYPICAL EXTERIOR ELEVATION A (XOX)



TYPICAL EXTERIOR ELEVATION B (XO)
(ELEVATION APPLY TO OX)

DESIGN LOADS
(FOR SIZE ABOVE OR SMALLER)
+ 80 PSF
- 80 PSF

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- GLASS CALCULATIONS BASED ON ASTM E1300-09.
- WINDOWS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- FALL-OUT PANEL IS REQ'D WHEN SILL ELEVATION IN RESPECT TO THE NEAR SIDE WALKING SURFACE IS LESS THAN 42". IF FALL-OUT PANELS ARE USED ONLY GLASS TYPE "A" MUST BE USED AT FIXED PANEL.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **22-1222.02**
Expiration Date: **12/27/2027**
By: *Manuel Torres*
Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

December 21, 2022

REVISIONS	
NO.	DATE
5	12.21.22
RENEWAL	

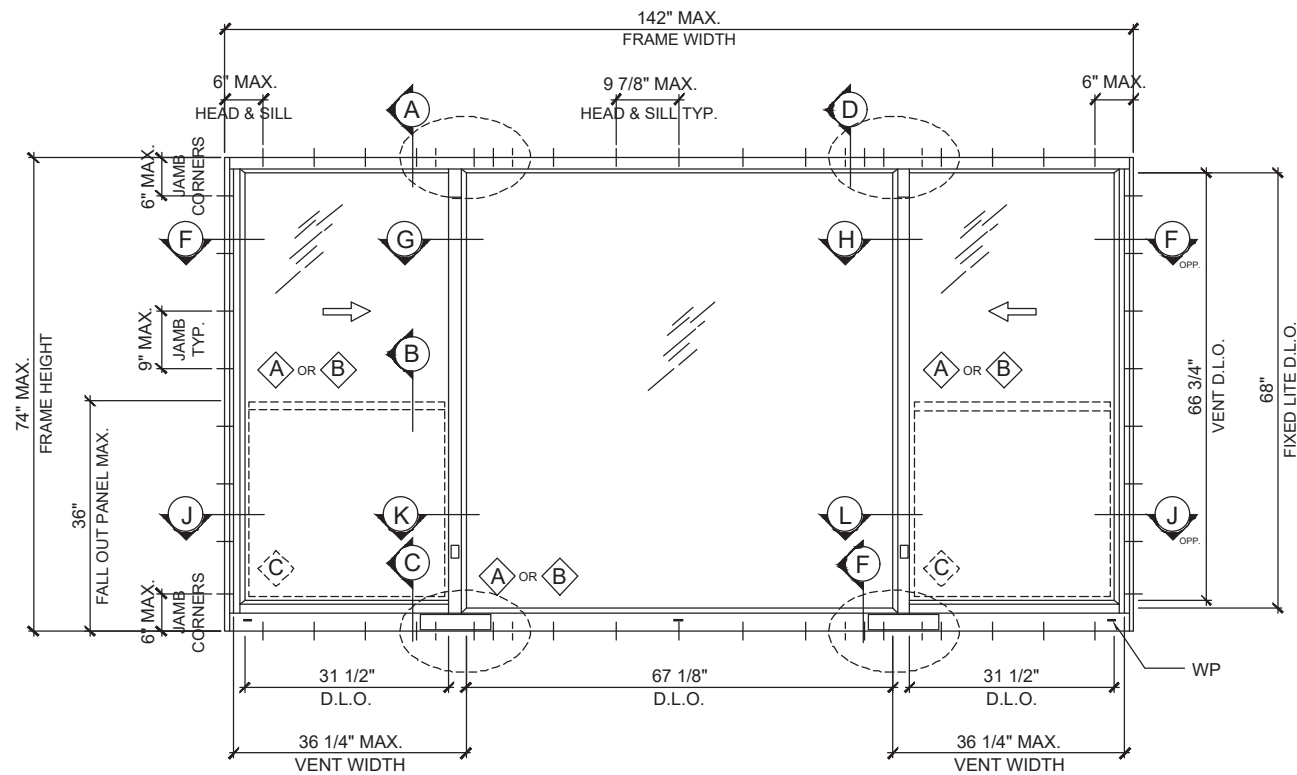
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE.301 P: 305.271.0117
MIRAMAR, FL. 33027
www.MCYEngineering.com mcy@mcyengineering.com

THR-2750 ALUM. HORIZONTAL ROLLING WINDOW (LMI)
TITAN GLASS & ALUMINUM, LLC.
572 W 28TH STREET
HIALEAH, FL. 33010
P: (305) 888-0911 F: (305) 671-3840

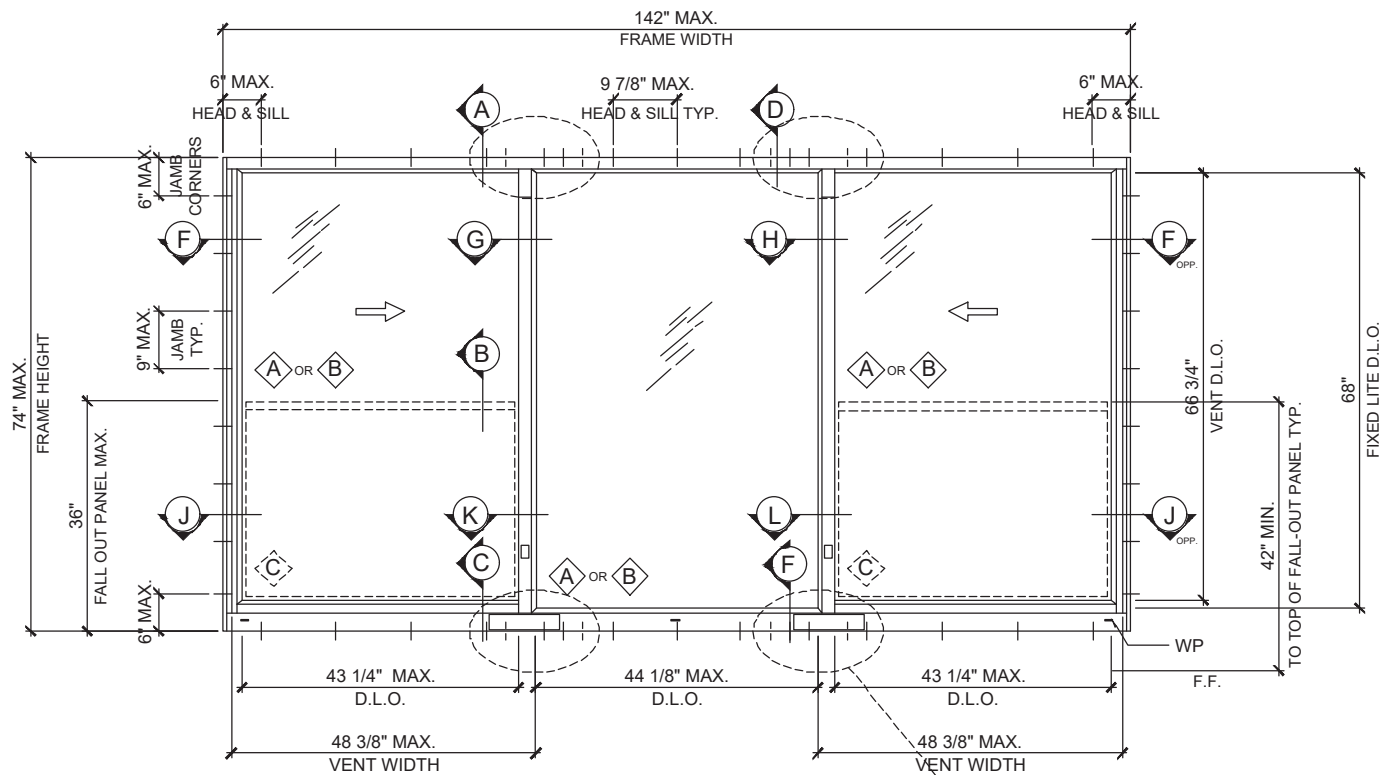
DATE	12.21.2022
SCALE	AS SHOWN
DRAWN	S. L.
PROJECT	11-027

DRAWING NO.
AD11-11

SHEET 1 OF 11



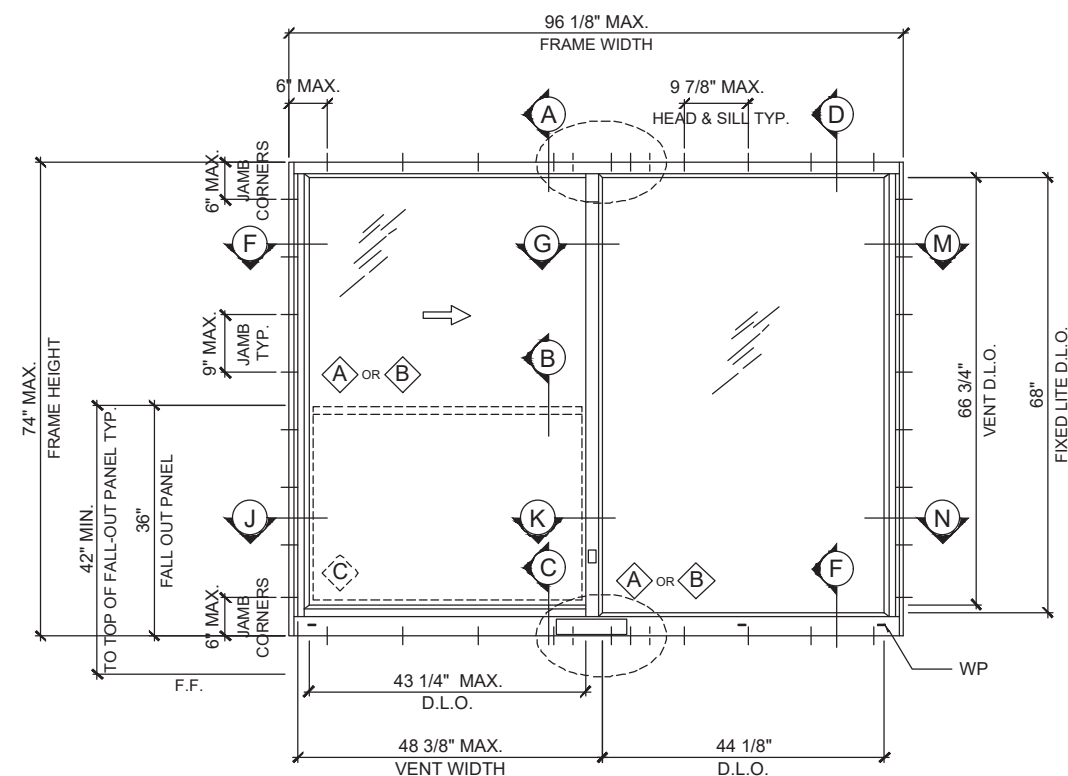
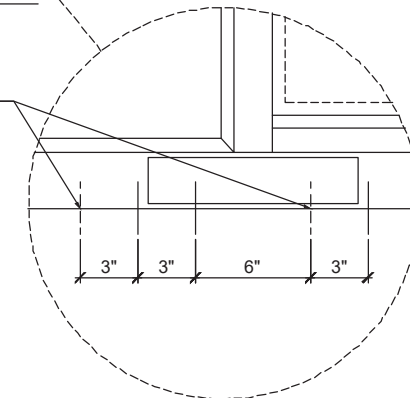
TYPICAL EXTERIOR ELEVATION C (XOX)
(1/4 - 1/2 - 1/4)



TYPICAL EXTERIOR ELEVATION D (XOX)
(1/3 - 1/3 - 1/3)

DESIGN LOADS
(FOR SIZE ABOVE OR SMALLER)
+ 110 PSF
- 150 PSF

APPLIES WHEN DESIGN LOAD
IS GREATER THAN ±117 PSF



TYPICAL EXTERIOR ELEVATION E (XO)
(ELEVATION APPLY TO OX)

PRODUCT REVISED
as complying with the Florida
Building Code
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Miami-Dade Product Control

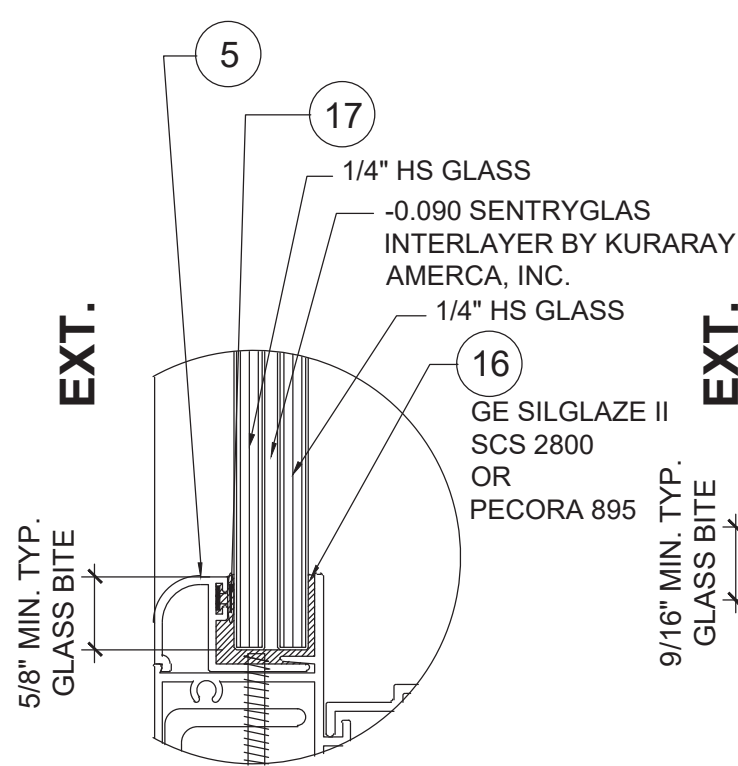
YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #68983
C.A.N. 28677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

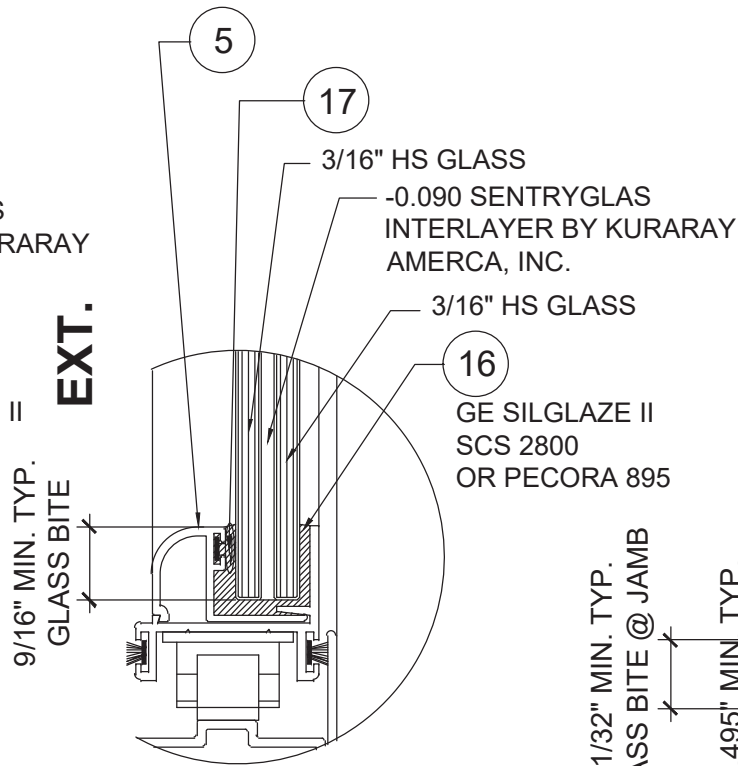
MIAMI DADE COUNTY

December 21, 2022

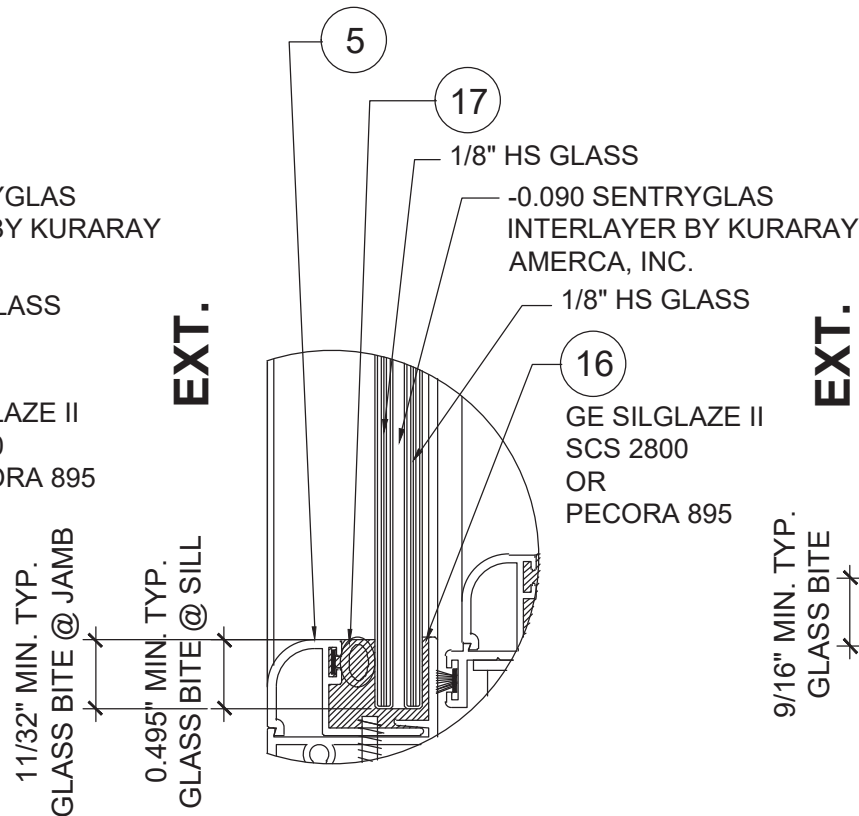
REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	RENEWAL
5	12.21.22		
<p>MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. STE. 301 P: 305.271.0117 MIRAMAR, FL. 33027 www.MCYEngineering.com mcy@mcyengineering.com</p>			
<p>THR-2750 ALUM. HORIZONTAL ROLLING WINDOW (LMI) TITAN GLASS & ALUMINUM, LLC. 572 W 28TH STREET HIALEAH, FL. 33010 P: (305) 888-0911 F: (305) 671-3840</p>			
DATE	12.21.2022		
SCALE	AS SHOWN		
DRAWN	S. L.		
PROJECT	11-027		
DRAWING NO.		AD11-11	
SHEET 2 OF 11			



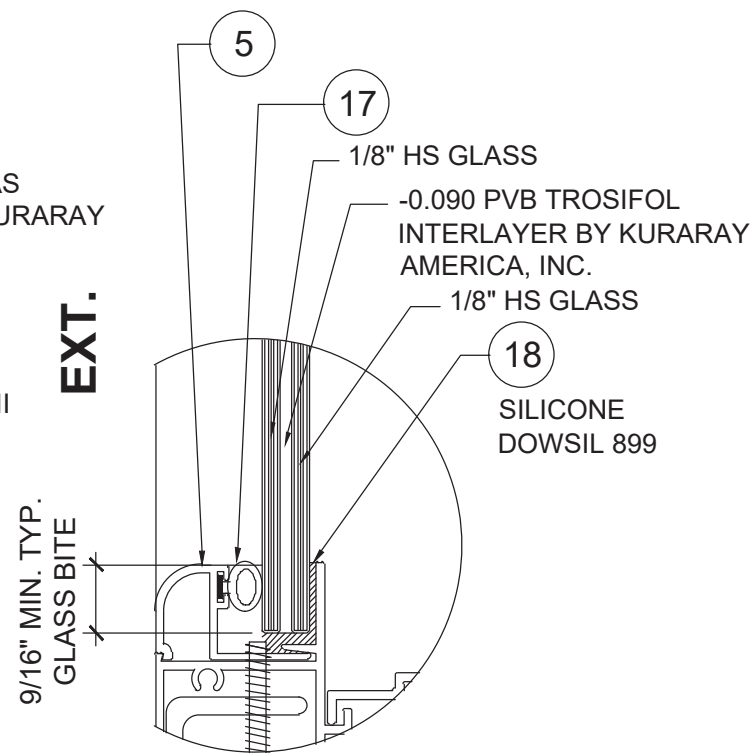
GLASS TYPE "A"
(FIXED PANEL SHOWN)



GLASS TYPE "B"
(MOVING PANEL SHOWN)



GLASS TYPE "C"
(FALL-OUT PANEL ONLY)



GLASS TYPE "D"
(FIXED PANEL SHOWN)

NOTE:

1. GLASS TYPE "A", "B" & "D" CAN BE USED AT FIXED PANEL OR MOVING PANEL
2. GLASS TYPE "B" MAX. AREA 36.5 FT ² (PANEL WIDTH * FRAME HEIGHT)
3. GLASS TYPE "A", "B" & "D" CANNOT BE USED ON FALLOUT PANELS
4. GLASS CAPACITIES ARE BASED ON ASTM E1300 - 09 (3 SEC. GUSTS)

GLAZING COMPLIES WITH ASTM E1300-09

PRODUCT REVISED
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Miami-Dade Product Control

MIAMI DADE COUNTY



December 21, 2022

REVISIONS	
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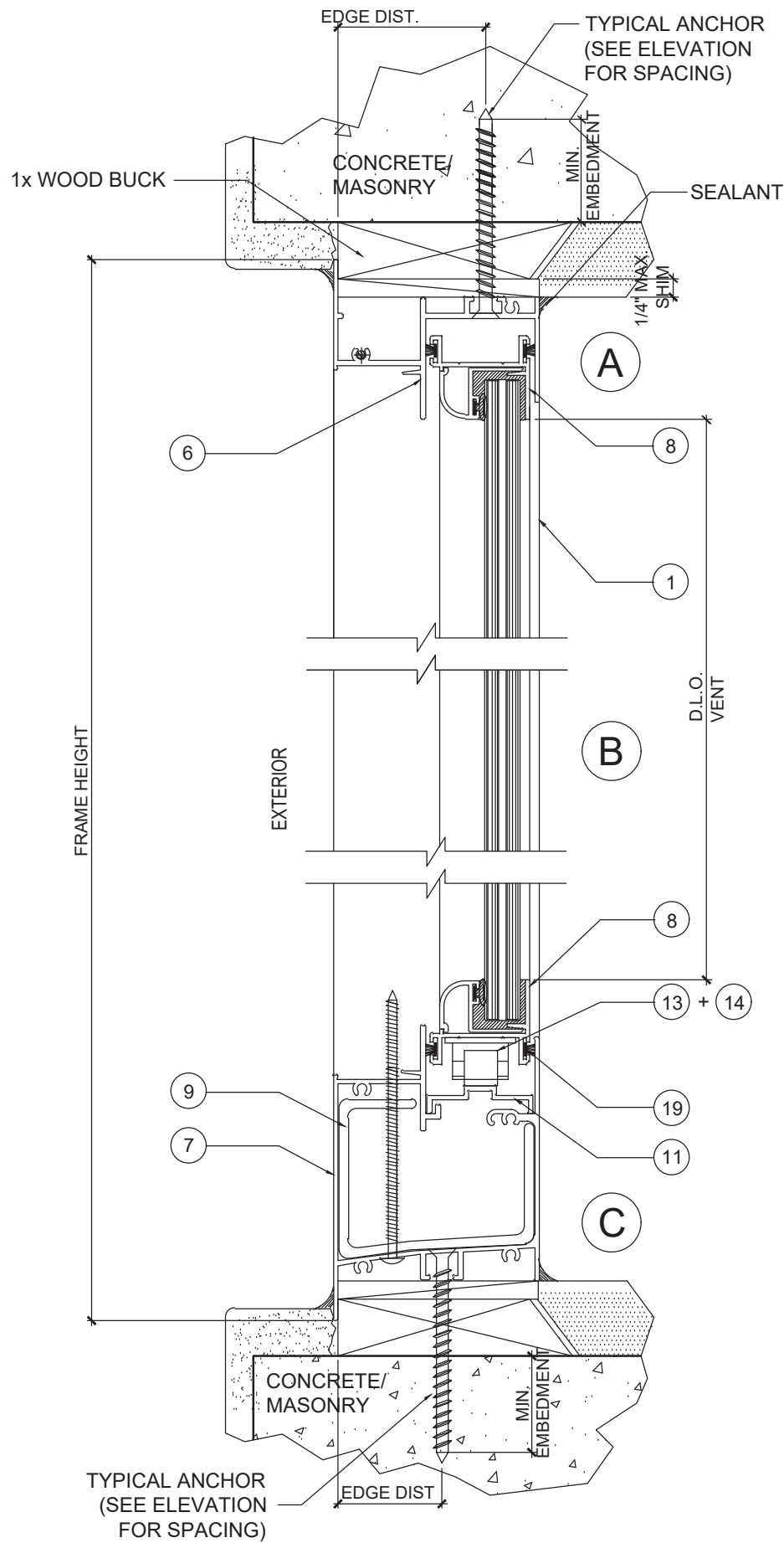
MCY ENGINEERING, INC.
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www.MCYEngineering.com mcy@mcyengineering.com

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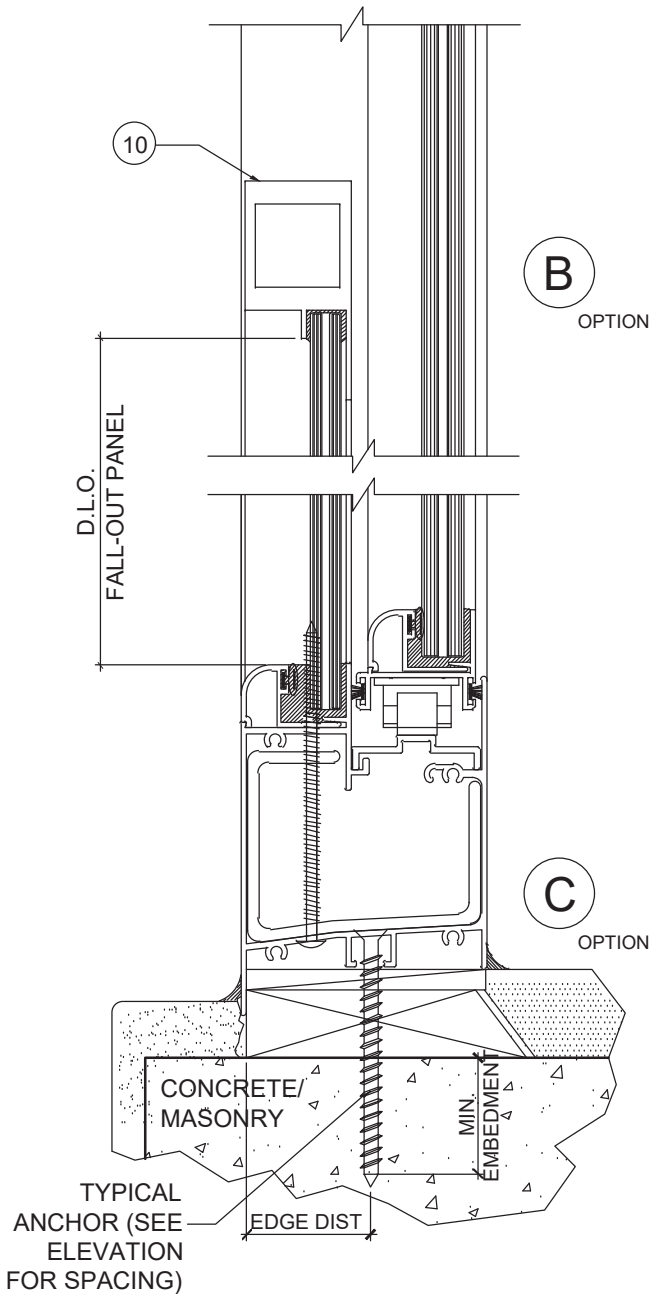
DATE	12.21.2022
SCALE	AS SHOWN
DRAWN	S. L.
PROJECT	11-027

DRAWING NO.
AD11-11

SHEET 3 OF 11



TYPICAL SECTION



SECTION W. FALL-OUT PANEL
OPTIONAL

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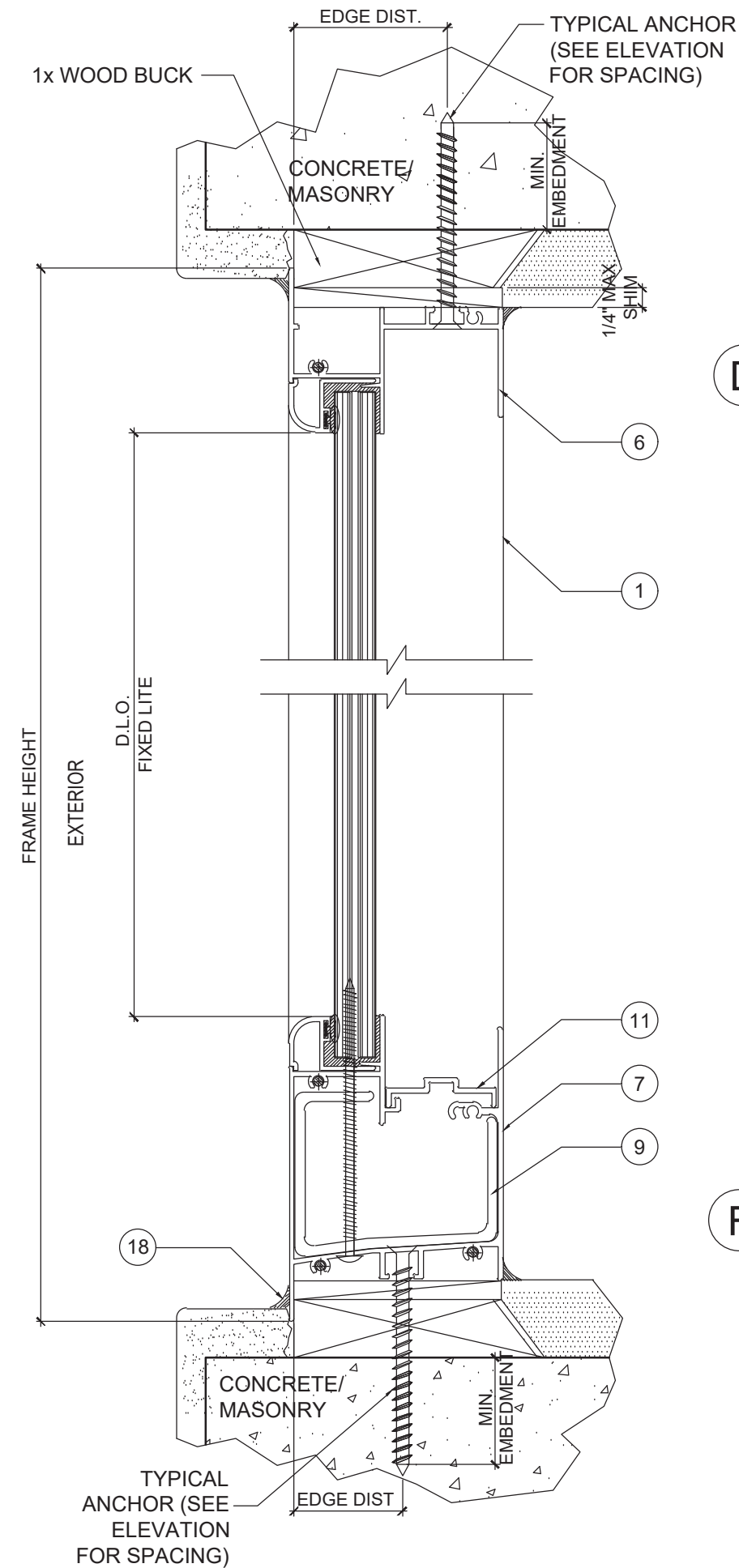
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE.301 P: 305.271.0117
MIRAMAR, FL. 33027
www.MCYEngineering.com mcy@mcyengineering.com

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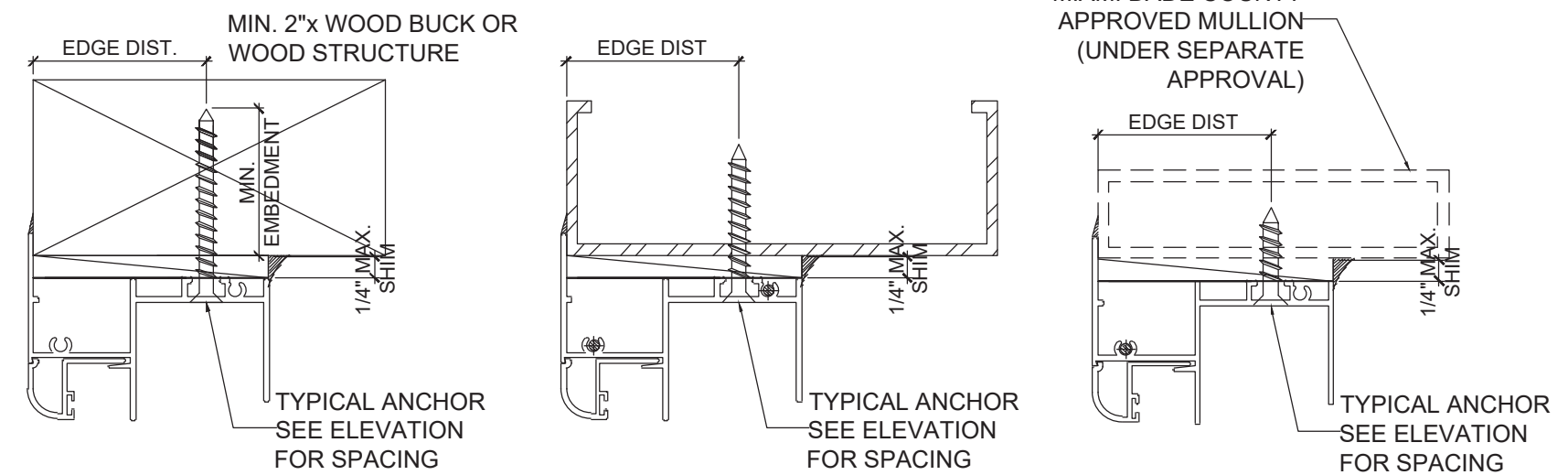
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DRAWING NO.
AD11-11

SHEET 4 OF 11



D



TYPICAL ANCHORS: (SEE ELEV. FOR SPACING)

- TYPE 'A' - **1/4" DIA. HILTI KWIK-CON II** (Fu = 177 KSI, Fy = 155 KSI)
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN. PENETRATION INTO WOOD
 - THRU 1BY BUCKS INTO CONC. OR MASONRY 1-5/8" MIN. EMBED INTO CONC. OR MASONRY

- TYPE 'B' - **1/4" DIA. TEKS OR SELF DRILLING SCREWS**
- INTO METAL STRUCTURES
STEEL : 1/8" MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

- TYPE 'C' - **#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)**
- INTO APPROVED ALUMINUM MULLIONS MIN. 1/8" THK.

MASONRY

- ASTM C90 GROUT FILLED CONCRETE BLOCK
- HOLLOW CONCRETE BLOCK

CONCRETE

- f'c= 3,000 PSI MIN.

ANCHOR EDGE DISTANCES

- INTO CONCRETE AND MASONRY = 1-3/8" MIN.
- INTO WOOD STRUCTURE = 1" MIN.
- INTO METAL STRUCURE = 3/4" MIN.

ALL ANCHOR OPTIONS CAN APPLY TO HEAD, SILL AND JAMB ANCHORS.

F

WEEPHOLES (WP):

1-1/2" x 1/4" WEEPHOLE WITH NYLON BAFFLE @ FRAME SILL ON EXTERIOR 1 PER PANEL. 3-1/4" FROM FRAME CORNER AND ONE AT MIDDLE OF CENTER PANEL.

SEALANT (REFER TO SHEET 8 OF 11):

PERIMETER OF FRAME ON THE INTERIOR, FRAME CORNERS, GLAZING BEAD SEAMS AT EACH END, FIXED MEETING RAIL AT EACH END, INSTALLATION FASTENERS AT FRAME SILL & EACH END OF FRAME SILL TRACK.

HARDWARE:

ELEVATION A & B

(4) SURFACE MOUNT METALLIC CAM LOCKS @ 10 1/4" FROM EACH END LOCATED AT VENT LOCK RAILS

(4) TANDEM METALLIC WHEELS IN PLASTIC HOUSING @ 2 1/4" FROM EACH END LOCATED AT VENT BOTT

ELEVATION C, D & E

(2) SURFACE MOUNT METALLIC CAM LOCKS AT VENT MEETING RAIL ONE AT EACH VENT @ 34 1/4" FROM BOTTOM.

(4) TANDEM METALLIC WHEELS IN NYLON HOUSING ONE AT EACH END OF EACH VENT BOTTOM RAILS

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YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

December 21, 2022

REVISIONS		
NO.	DATE	DESCRIPTION
5	12.21.22	RENEWAL

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE.301 P: 305.271.0117
MIRAMAR, FL. 33027
www.MCYEngineering.com mcy@mcycengineering.com

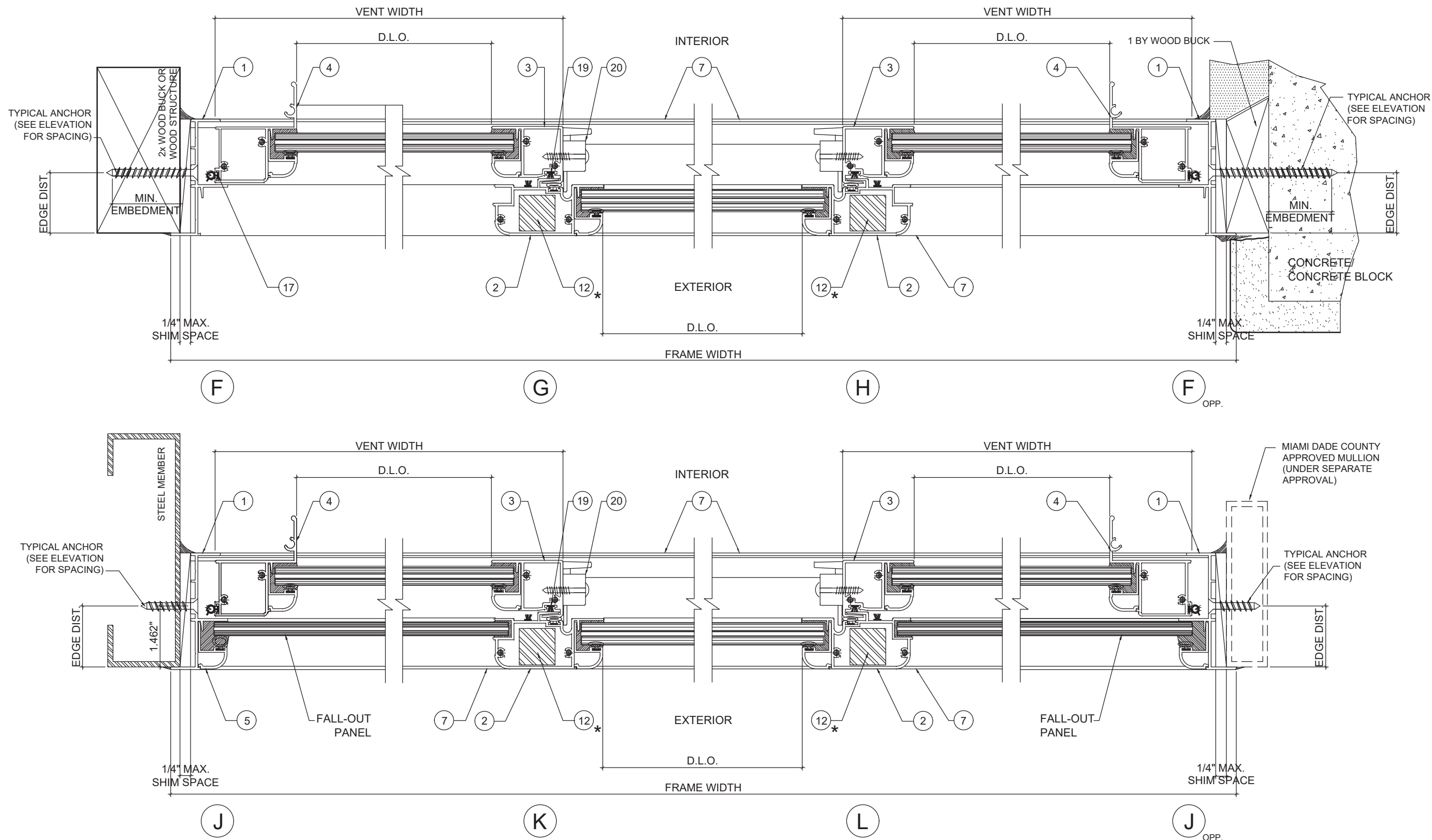
TITAN GLASS & ALUMINUM, LLC.
572 W 28TH STREET
HIALEAH, FL. 33010
P: (305) 888-0911 F: (305) 671-3840

THR-2750 ALUM. HORIZONTAL ROLLING WINDOW (LMI)

DATE	12.21.2022
SCALE	AS SHOWN
DRAWN	S. L.
PROJECT	11-027

DRAWING NO.
AD11-11

SHEET 5 OF 11



* REINFORCEMENT APPLIED FOR ELEVATION C, D & E ONLY

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as complying with the Florida Building Code
NOA-No. **22-1222.02**
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By: *Manuel Torres*
Miami-Dade Product Control

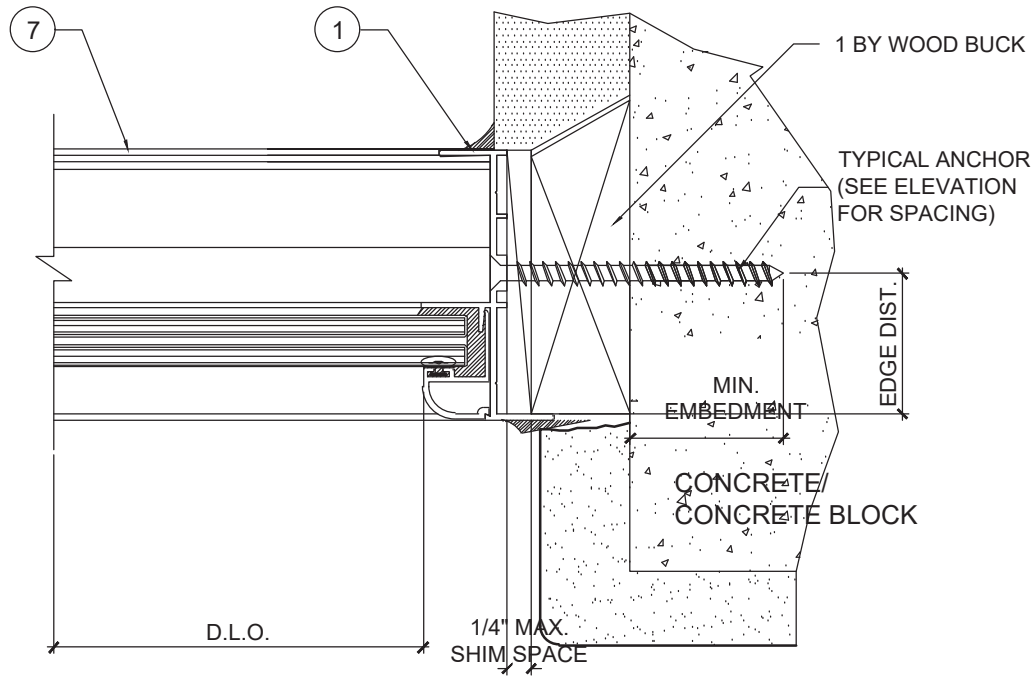
YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

December 21, 2022

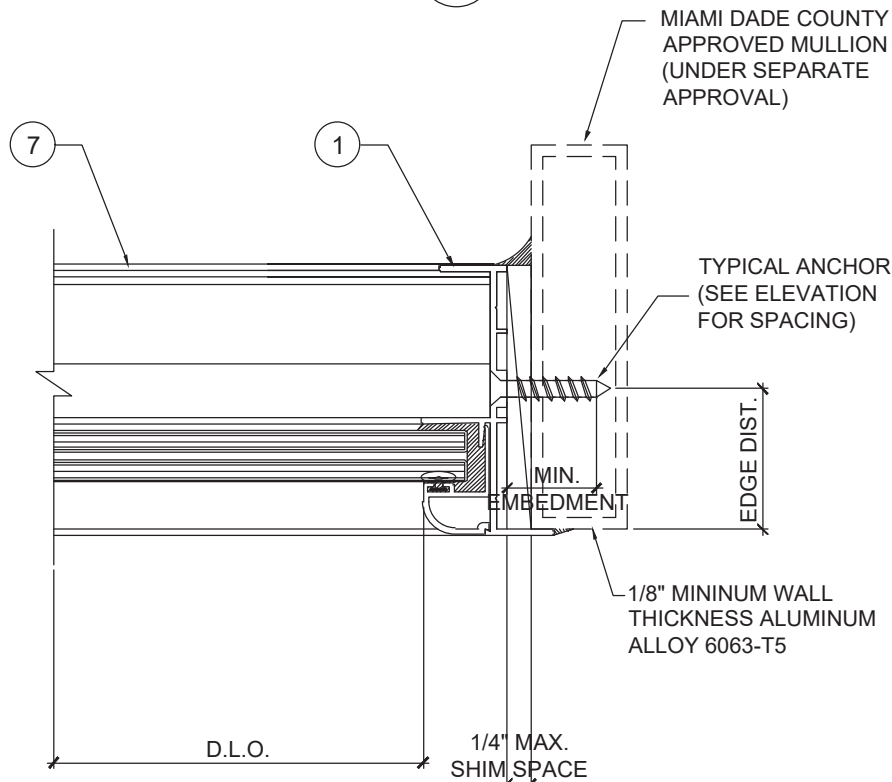
REVISIONS	
NO.	DESCRIPTION
5	12.21.22 RENEWAL

MCY ENGINEERING, INC.
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www.MCYEngineering.com mcy@mcyengineering.com

THR-2750 ALUM. HORIZONTAL ROLLING WINDOW (LMI) TITAN GLASS & ALUMINUM, LLC. 572 W 28TH STREET HIALEAH, FL. 33010 P: (305) 888-0911 F: (305) 671-3840	
DATE 12.21.2022 SCALE AS SHOWN DRAWN S. L. PROJECT 11-027	DRAWING NO. AD11-11 SHEET 6 OF 11



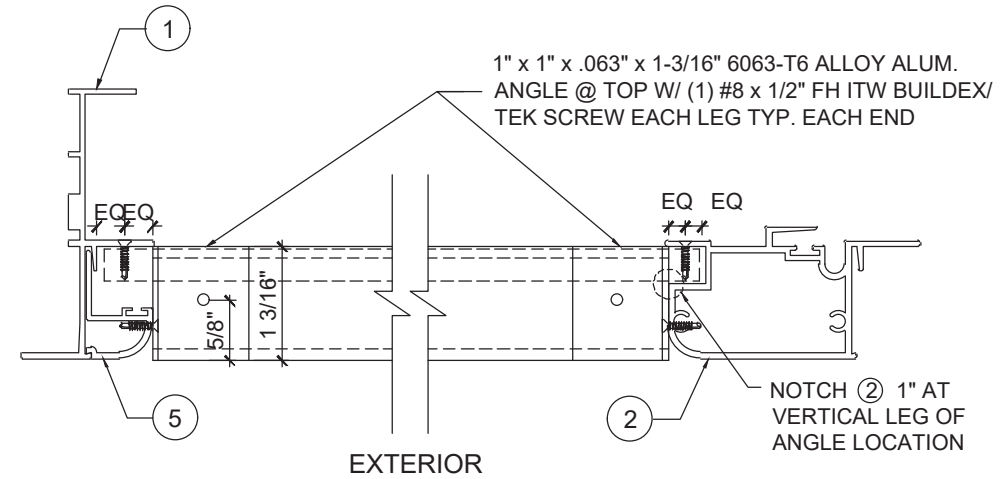
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* NOTE: FALL-OUT PANEL IS REQ'D WHEN SILL ELEVATION IN RESPECT TO THE NEAR SIDE WALKING SURFACE IS LESS THAN 42". (SEE DETAIL ON SHEET 9 OF 11)

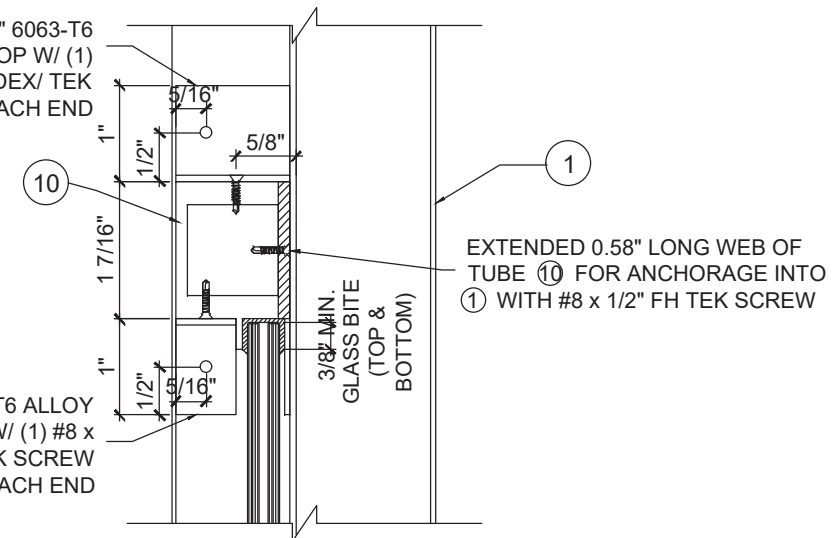
* REINFORCEMENT APPLIED FOR ELEVATION C, D & E ONLY



TOP RAIL @ FALL-OUT
PANEL PLAN VIEW

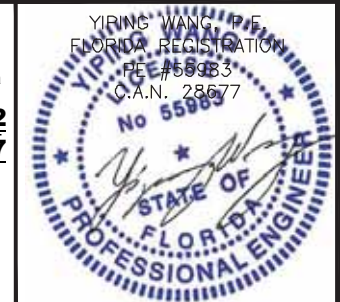
1" x 1" x .063" x 1-3/16" 6063-T6 ALLOY ALUM. ANGLE @ TOP W/ (1) #8 x 1/2" FH ITW BUILDDEX/ TEK SCREW EACH LEG TYP. EACH END

1" x 1" x .063" x 5/8" 6063-T6 ALLOY ALUM. ANGLE @ TOP W/ (1) #8 x 1/2" FH ITW BUILDDEX/ TEK SCREW EACH LEG TYP. EACH END



TOP RAIL @ FALL-OUT
PANEL SECTION VIEW

PRODUCT REVISED
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Miami Dade Product Control



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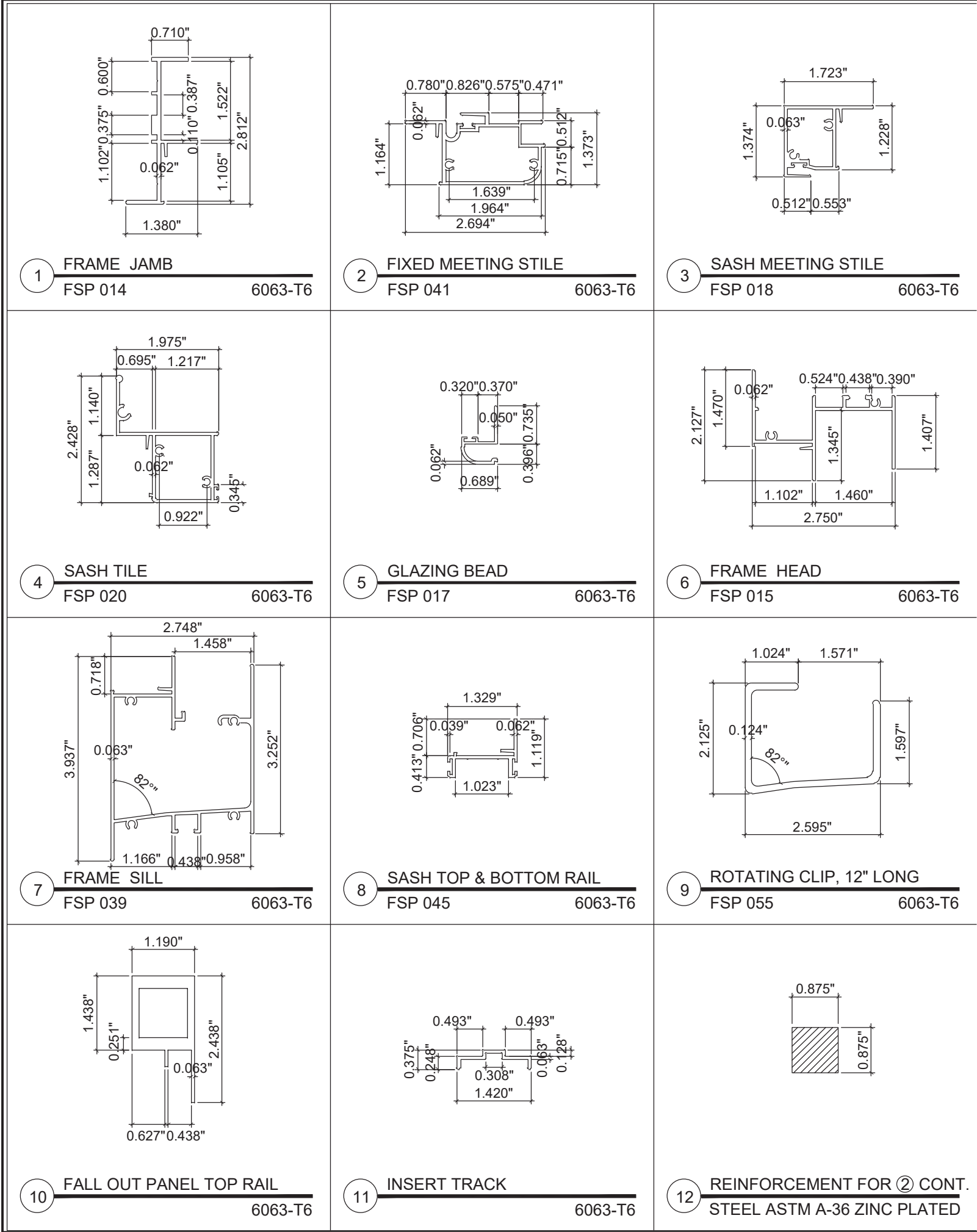
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PROJECT	11-027

DRAWING NO.
AD11-11

SHEET 7 OF 11



BILL OF MATERIALS					
ITEM #	QTY.	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	2 PER FRAME	FSP 014	FRAME JAMB	ALUM. 6063-T6	---
2	1 PER VENT	FSP 041	FIXED MEETING STILE	ALUM. 6063-T6	---
3	1 PER VENT	FSP 018	SASH MEETING STILE	ALUM. 6063-T6	---
4	1 PER VENT	FSP 020	SASH STILE	ALUM. 6063-T6	---
5	AS REQD.	FSP 017	GLAZING BEAD	ALUM. 6063-T6	---
6	1 PER PANEL	FSP 015	FRAME HEAD	ALUM. 6063-T6	---
7	1 PER PANEL	FSP 039	FRAME SILL	ALUM. 6063-T6	---
8	2 PER PANEL	FSP 045	SASH TOP & BOTTOM RAIL	ALUM. 6063-T6	---
9	1 PER PANEL	FSP 055	ROTATING CLIP (12" LONG)	ALUM. 6063-T6	---
10	1 PER F.O.P.	-	FALL OUT PANEL TOP RAIL	ALUM. 6063-T6	---
11	1 PER VENT	-	INSERT TRACK	ALUM. 6063-T6	---
12	AS REQD.	-	INSERT FOR FIXED MEETING STILE CONT.	STEEL	Fy = 36 ksi
13	AS REQD.	-	ROLLER HOUSING	NYLON	---
14	4 PER SASH	-	WHEELS (7/16" DIAMETER LONG)	---	2 1/4" FROM EACH END OF VENT BOTTOM RAIL WITH #8 PH SDS
15	AS REQD.	FSP 016	LATCH LOCK (CAM LOCK)	ZINC ALLOY	ATTACHED WITH (2) #8 x 1" FH SMS
16	AS REQD.	STRUCTURAL SILICONE	GE SCS2800 OR PECORA 895	SILICONE	---
17	AS REQD.	-	VINYL BULB WITH MULTI FLAP	---	64 DUROMETER - SHORE A
18	AS REQD.	STRUCTURAL SILICONE	DOWSIL 899	SILICONE	DOWSIL
19	AS REQD.	GASKET	5/16" DIAMETER ADHESIVE SPONGE GASKET	---	---

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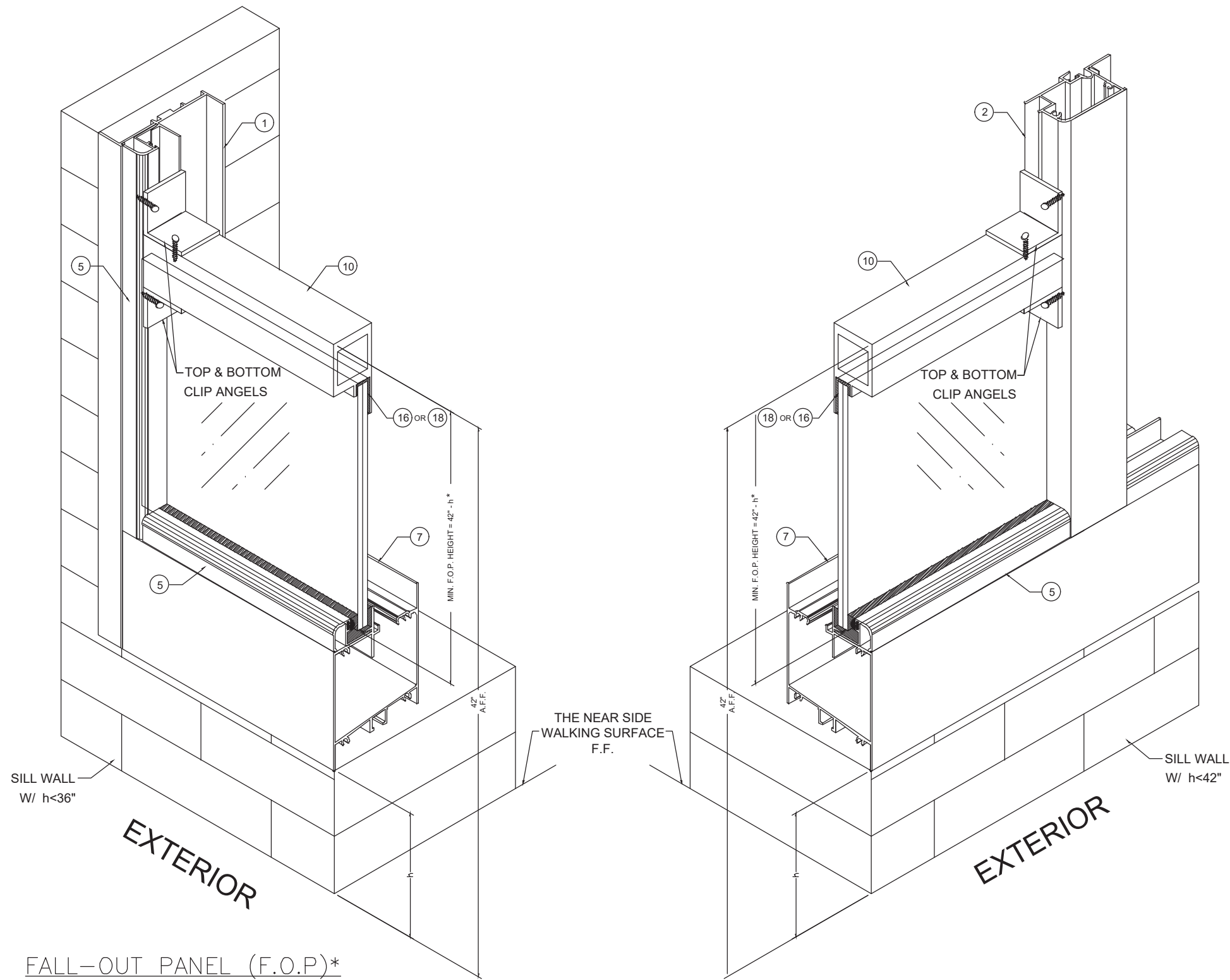
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AD11-11

SHEET 8 OF 11



FALL-OUT PANEL (F.O.P)*

ONLY F.O.P. ASSEMBLY IS SHOWN, REMAINING COMPONENTS OF WINDOW SILL NOT SHOWN FOR CLARITY.

* NOTE: FALL-OUT PANEL IS REQ'D WHEN SILL ELEVATION IN RESPECT TO THE NEAR SIDE WALKING SURFACE IS LESS THAN 42". (SEE DETAIL ON SHEET 7 OF 11)

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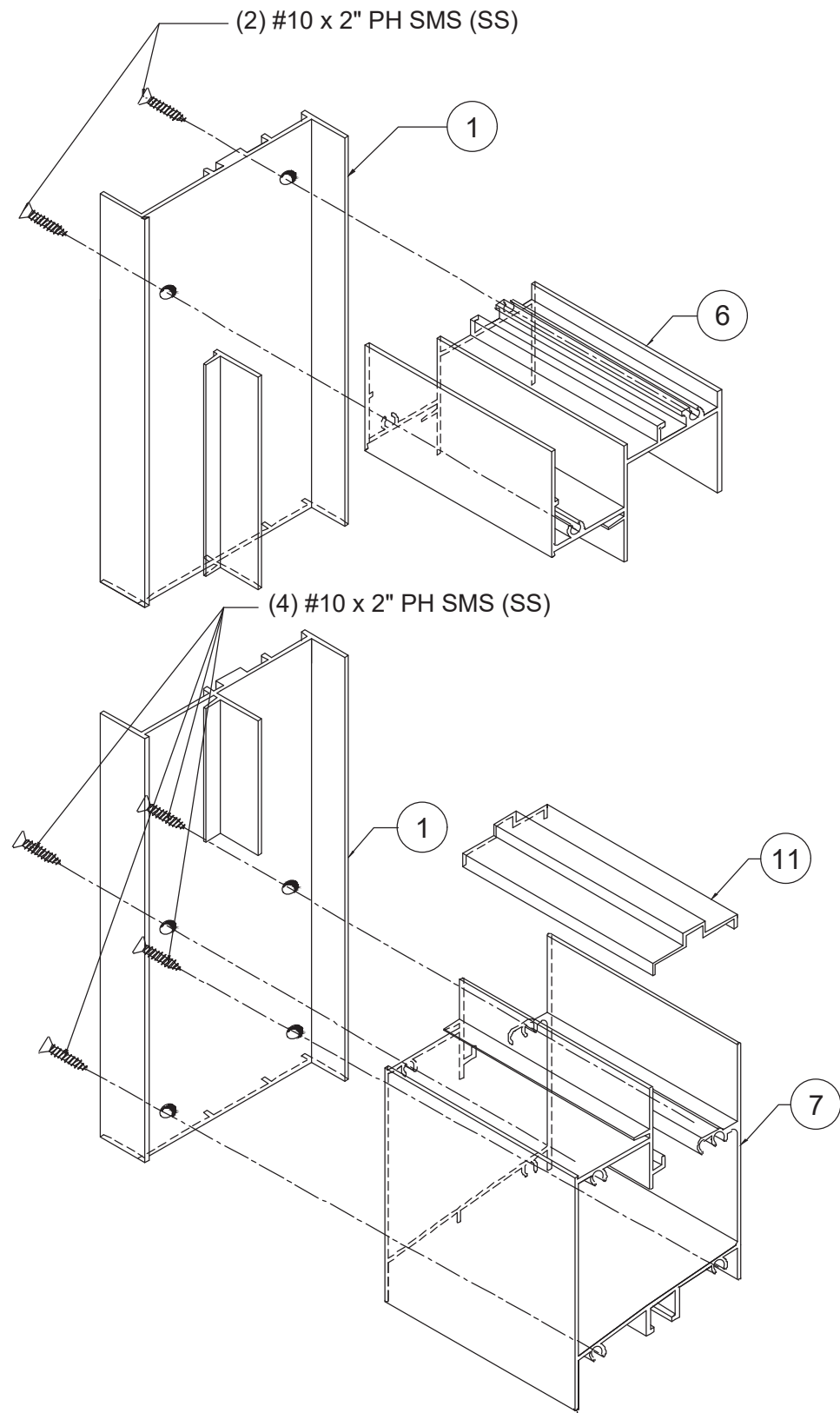
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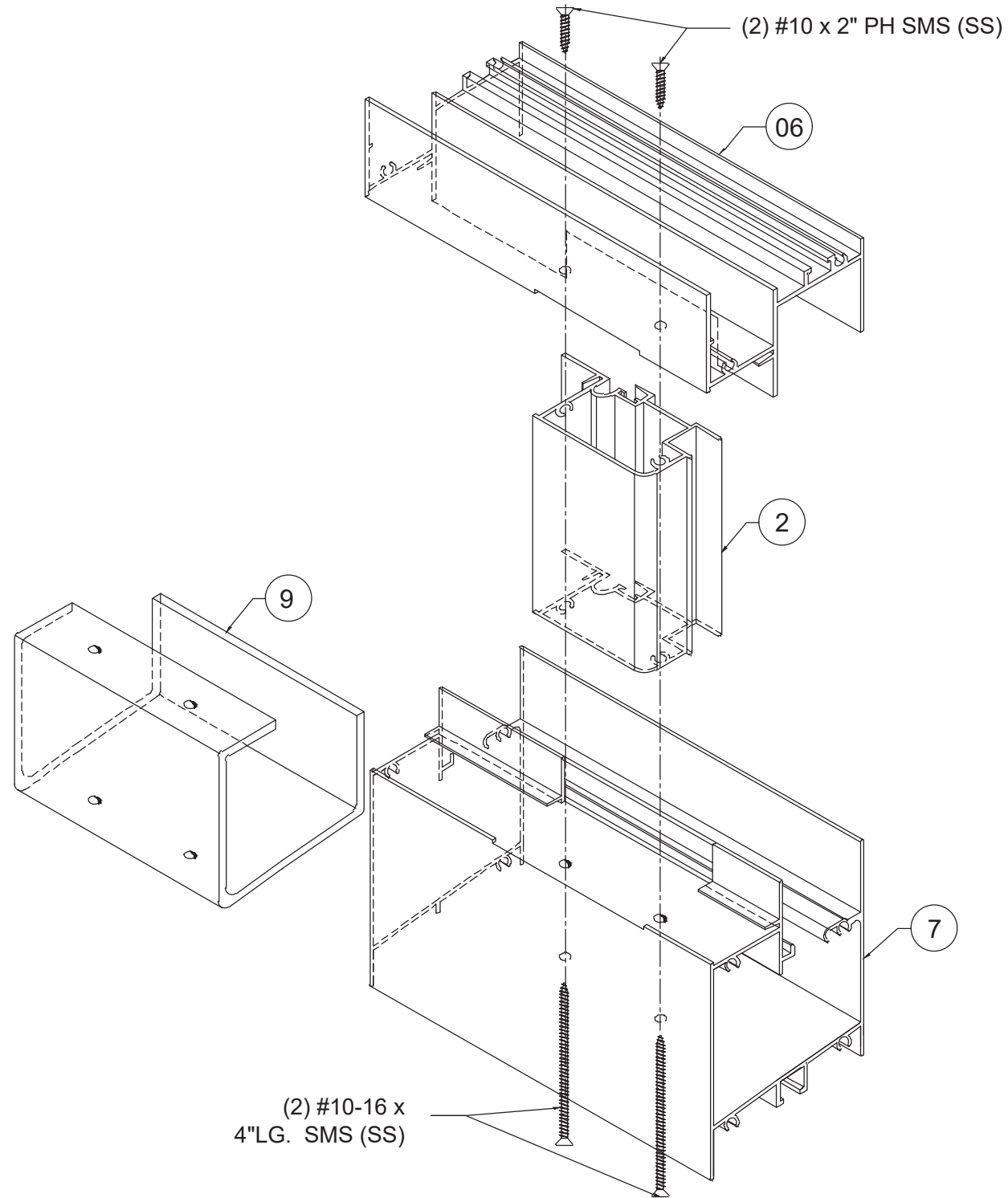
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DRAWING NO.
AD11-11

SHEET 9 OF 11

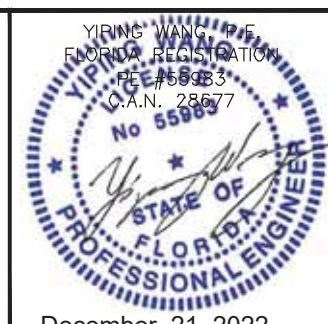


**JAMB CONNECTION
TO FRAME HEAD & SILL**



**MEETING RAIL CONNECTION
TO FRAME HEAD & SILL**

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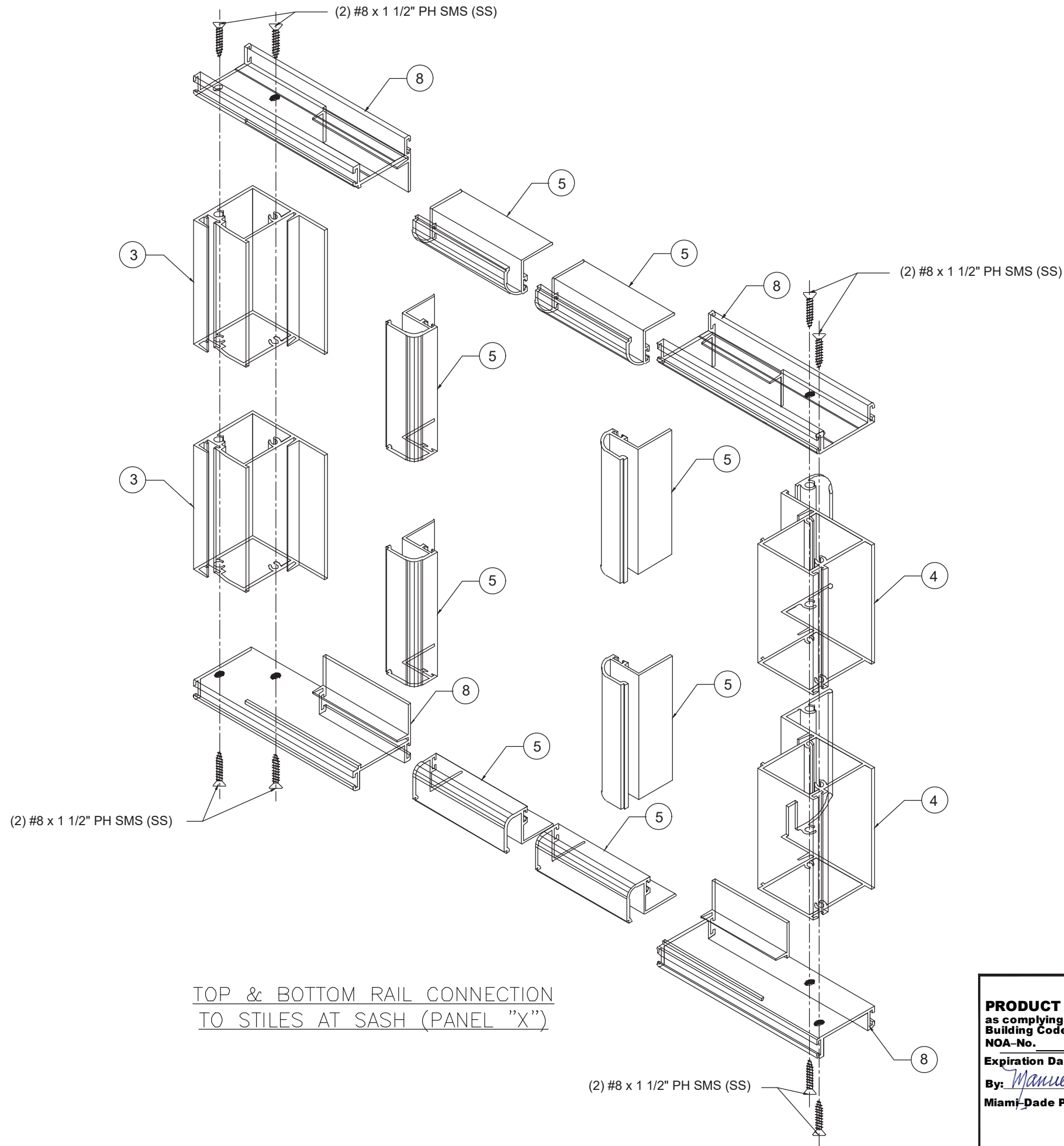
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SHEET 10 OF 11

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