



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/economy](http://www.miamidade.gov/economy)

**Pino's Window, Corporation**

**6860 N. W. 75<sup>th</sup> Street,**

**Medley, FL 33166**

### 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 4000 Aluminum Sliding Glass Door w/ Reinforcements-LMI

**APPROVAL DOCUMENT:** Drawing No. **19-113D**, titled "Series-4000 Aluminum Sliding Glass Door (LMI), sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated Nov 04, 2019, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

#### Limitations:

- See sheet **2** for Design Pressure (DP) Vs Glass types, size & reinforcing levels for (4) Panels or **less** configured SGD and sheet **3** for taller (2) panels configured **OX, XO** or **XX** w/ **Heavy Duty** reinforcing. Exterior (positive) design pressures are limited to **+70 PSF** w/ **2-1/2"** sill & up to **+85 PSF** w/ **3-1/4"** sill for **OX** or **XO** and **+80 PSF** w/ **3-1/4"** sill for **XX** door.
- Max. Door frame area not to exceed 96"x192" =128 ft<sup>2</sup> (4-panel) or 98"x 111" =75.5 ft<sup>2</sup> (2-HD panel), corresponding to the tested area.

**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** NOA **#18-0905.06 (PLA)** and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4, as well as approval document mentioned above.

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



NOA No. 19-1113.02  
Expiration Date: March 18, 2024  
Approval Date: January 30, 2020  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted under previous approvals**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under files below)
2. Drawing No. **W03-100 Rev M**, titled "Series-4000 Aluminum Sliding Patio Door (LMI), sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 11/08/03 and last revised on OCT 21, 2015, signed and sealed by Javad Ahmad, P.E.

**B. TESTS** (Submitted under files #15-0629.01/#14-0923.11/13-1115.03/#12-0312.03/#09-0210.07 and #08-0417.03)

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 and TAS 202-94

Along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No(s). **FTL-3908**, dated 10/09/03, **FTL-3909**, dated 09/26/03, **FTL-3910**, dated 09/30/03 and **FTL-4287**, dated 09/22/04, signed and sealed by Joseph Chan, P.E. and the Test Report No. **FTL-4287**, dated 09/22/04, signed and sealed by Edmundo Largaespada, P.E.

2. Additional Reference test reports No. **FTL-5471**, dated 01/24/08 and **FTL 7894** (Tandem Nylon Rollers), per TAS 201/203-94, issued by Fenestration Testing Lab, signed & sealed by Michael Wenzel, P.E. and Idalmis Ortega, P.E., respectively.

**C. CALCULATIONS**

1. Anchor verification calculation, complying w/ FBC 2014(5<sup>th</sup> Edition), dated 07/31/2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "**Sentry Glass® (Clear and White) Glass Interlayers**", expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "**Kurray Butacite PVB Interlayers**", expiring on 12/11/2016.



**Ishaq I. Chanda, P.E.**

**Product Control Unit Supervisor**

**NOA No. 19-1113.02**

**Expiration Date: March 18, 2024**

**Approval Date: January 30, 2020**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of compliance to FBC 2014 (5<sup>th</sup> Edition) and of no financial interest issued by Al-Farooq Corp., dated 07/29/15, signed and sealed by Javad Ahmad, P.E.
2. Statement of Lab compliance, part of above test reports.
3. Distribution agreement dated 03/05/14 between ES Windows, LLC & Energia Solar, SA, and Colombia, signed by Andres Chamorro (Gen MGR) and Clara Garcia (Sales MGR), respectively on behalf of their companies (submitted under #13-1115.03)

**G. OTHER**

1. This NOA **revises** NOA # 14-0923.11, expiring March 18, 2019.
2. Tet proposal # 07-3815, approved by BCCO and dated 07/01/14 by RER.

**2. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-100 Rev O**, titled "Series-4000 Aluminum Sliding Glass Door (LMI), sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 11/08/03 and last revised on SEP 07, 2017, 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) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

Along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Black water Testing, Inc., Test Report No(s). **BT-ESW-15-004**, dated 04/18/2016, signed and sealed by YamilG. Kuri, P.E.

**C. CALCULATIONS**


1. Anchor verification calculation, complying w/ FBC 2017 (6<sup>th</sup> Edition), dated 11/18/2016 and last revised on 09-07-17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for "**Trosifol**: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray **Butacite** PVB Interlayer"), expiring on 07/08/19.

  
Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 19-1113.02  
Expiration Date: March 18, 2024  
Approval Date: January 30, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2014(5<sup>th</sup> edition) and FBC 2017(6<sup>th</sup> Edition), dated 09/06/17 prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**G. OTHER**

1. This NOA revises NOA # 15-0629.01, expiring 03/18/2019.

**3. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No. **W03-100 Rev O**, titled "Series-4000 Aluminum Sliding Glass Door (LMI), sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 11/08/03 and last revised on SEP 07, 2017, 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. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for "**Trosifol**: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray **Butacite** PVB Interlayer"), expiring on 07/08/19.

**F. STATEMENTS**

1. Statement letter dated AUG 27, 2018 for renewal and still conformance to FBC 2017 (6<sup>th</sup> edition), prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**G. OTHER**

1. This NOA renews NOA # 17-0505.05, expiring 03/18/2024.

**4. New Evidence submitted**

**A. DRAWINGS**

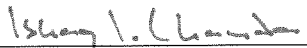
1. Drawing No. **W03-100 Rev O**, titled "Series-4000 Aluminum Sliding Glass Door (LMI), sheets 1 through 7 of 7, prepared by Al-Farooq Corporation, dated 11/08/03 and last revised on SEP 07, 2017, signed and sealed by Javad Ahmad, P.E.

**B. TESTS (submitted under #18-0905.06 (PLA))**

1. None.

**C. CALCULATIONS (submitted under #18-0905.06 (PLA))**

1. None.

  
\_\_\_\_\_  
**Ishaq I. Chanda, P.E.**  
Product Control Unit Supervisor  
NOA No. 19-1113.02  
Expiration Date: March 18, 2024  
Approval Date: January 30, 2020

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

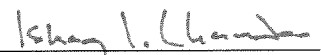
1. Notice of Acceptance No. **19-0305.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for “**Trosifol**: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray **Butacite** PVB Interlayer)”, expiring on 07/08/24.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2017 (6<sup>th</sup> Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 11/01/19, signed and sealed by Javad Ahmad, P.E.
2. Private labeling agreement between Pino's Window Corp and ES Windows, LLC, dated 10/07/19, signed by Jorge Pino (Vice President) and Andres Chamorro (Gen. MGR) respectively.
3. Distribution agreement between ES Windows, LLC (distributor) and Energia Solar, S.A, (manufacturer, dated 08/01/18, signed by MS. Carla Garcia (MGR) and Ms. Evelyn Deas (MGR) respectively.

**G. OTHER**

1. This NOA revises NOA #**18-0905.06 (PLA)**, expiring 03/18/2024.
2. Reference E.S. Window, LLC file # **18-0905.06**.



Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 19-1113.02  
Expiration Date: March 18, 2024  
Approval Date: January 30, 2020

DETAILS (D) AND (E)

SEE SHEET 6 FOR NO REINFORCING  
SEE SHEET 6 FOR MEDIUM REINFORCING  
SEE SHEET 5 FOR HEAVY REINFORCING

DOORS GLAZED WITH LAMINATED GLASS RATED FOR  
LARGE & SMALL MISSILE IMPACT AND REQUIRE NO SHUTTERS.

DAYLITE OPENINGS WIDTHS:  
FIXED/LOCK STILE-INTERLOCK = PANEL WIDTH - 5.375"  
INTERLOCK-ASTRAGAL = PANEL WIDTH - 5.625"

DAYLITE OPENING HEIGHT:  
PANEL HEIGHT - 5.00"

PANEL HEIGHT = DOOR FRAME HEIGHT - 1.250"

#### SERIES-4000 ALUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN  
AND APPROVED CONFIGURATIONS ON SHEETS 2 AND 3.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE  
REQUIREMENTS OF THE 2017 (6TH 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.

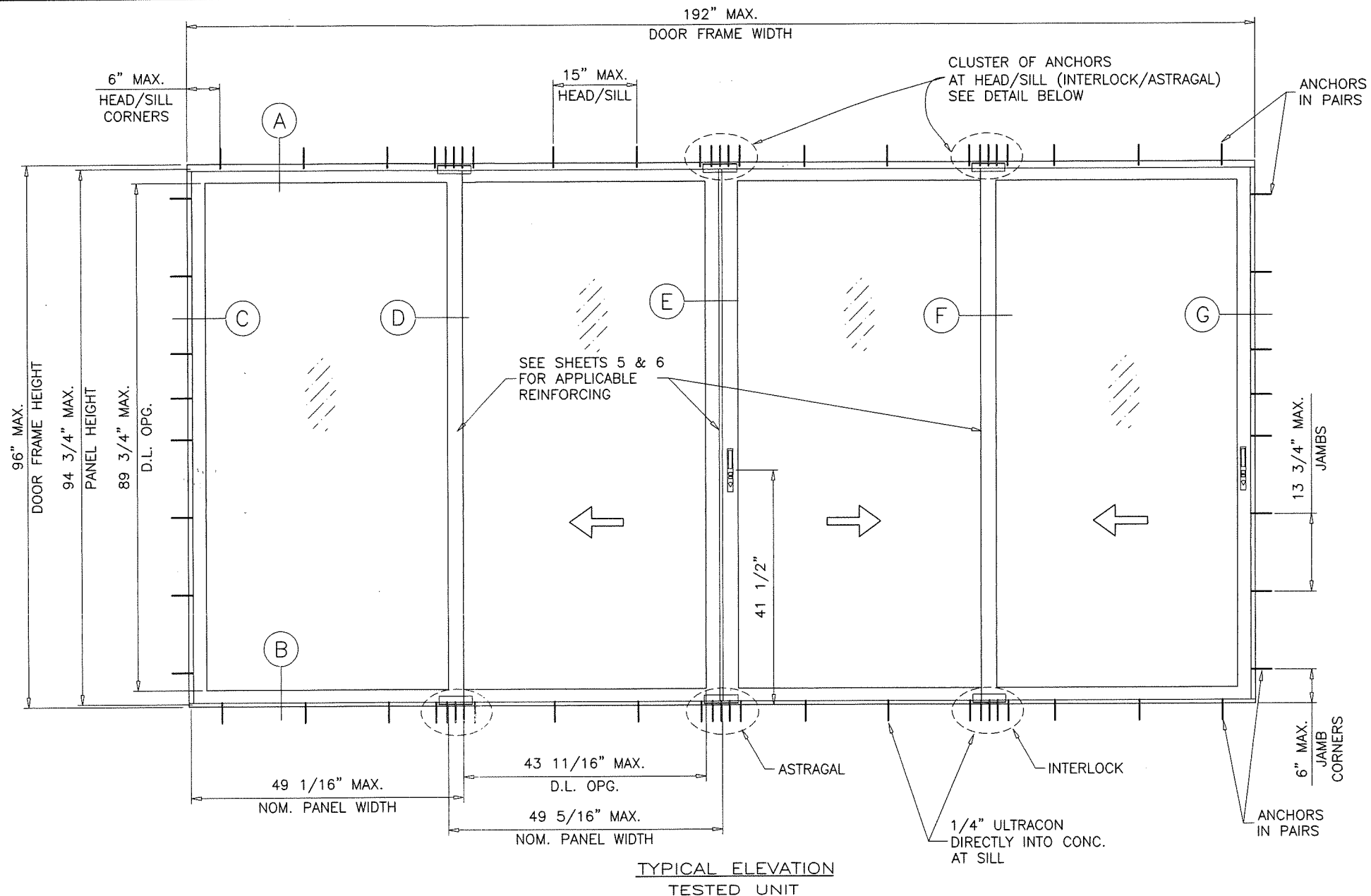
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

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

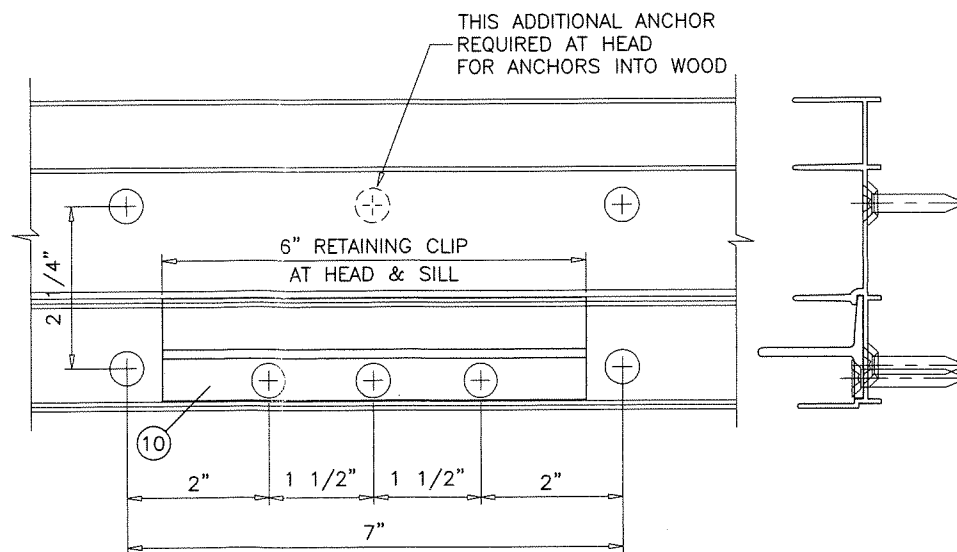
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT  
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE  
REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

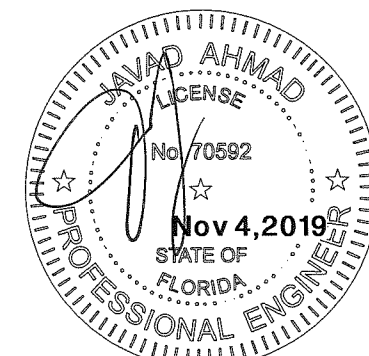


TYPICAL ELEVATION  
TESTED UNIT



DETAIL CLUSTER OF ANCHORS AT INTERLOCK/ASTRAGAL ENDS  
1/4" ULTRACON DIRECTLY INTO CONCRETE AT SILL

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 19-1113-02  
Expiration Date MAR 18, 2024  
J. Khaylani  
Mfr. and Product Control



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\19-113D-PW

**Pino's Window Corp.**  
6860 N.W. 75th Street  
Medley, FL 33166  
Tel. (305) 888-9946 Fax (305) 888-8079

revisions:		date		by description	
no	date	no	date	no	date

date: 10-24-19

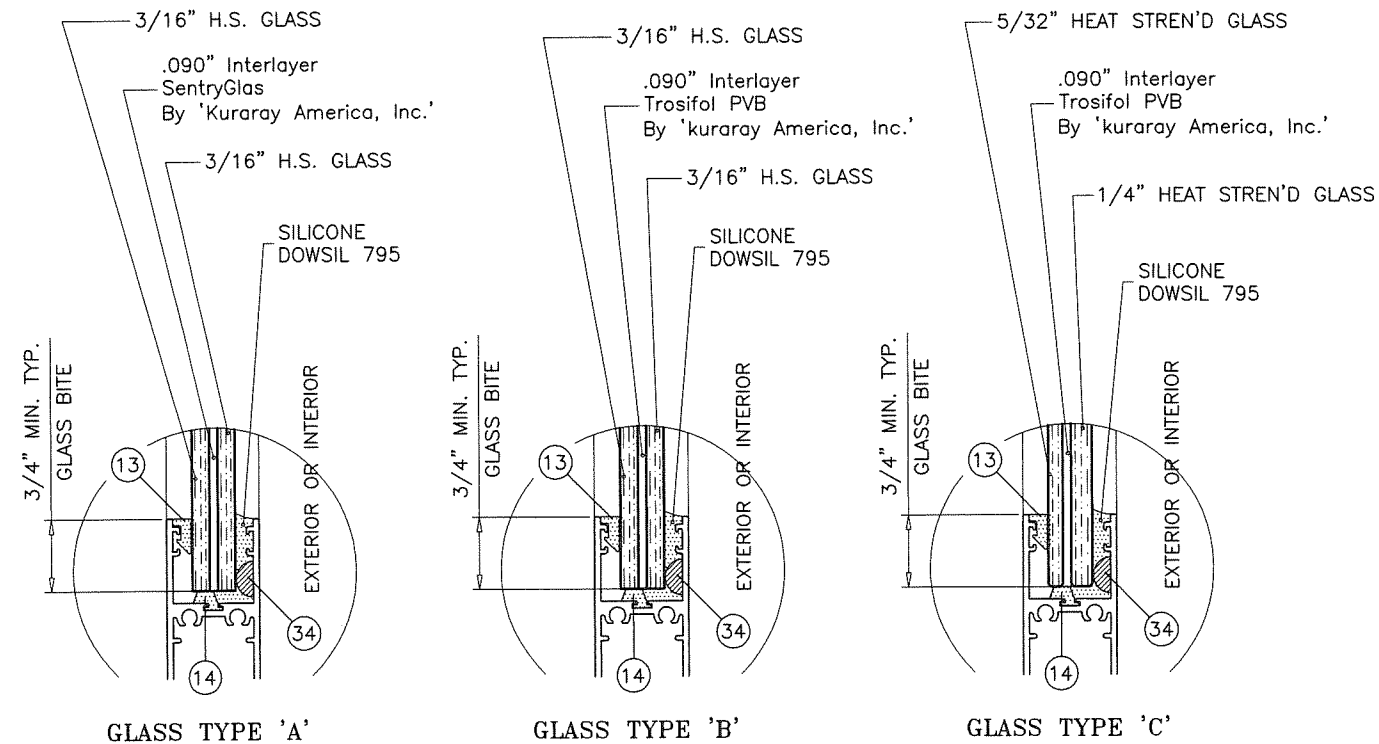
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dr. by: TARIQ

chk. by:

drawing no.  
**19-113D**

sheet 1 of 7

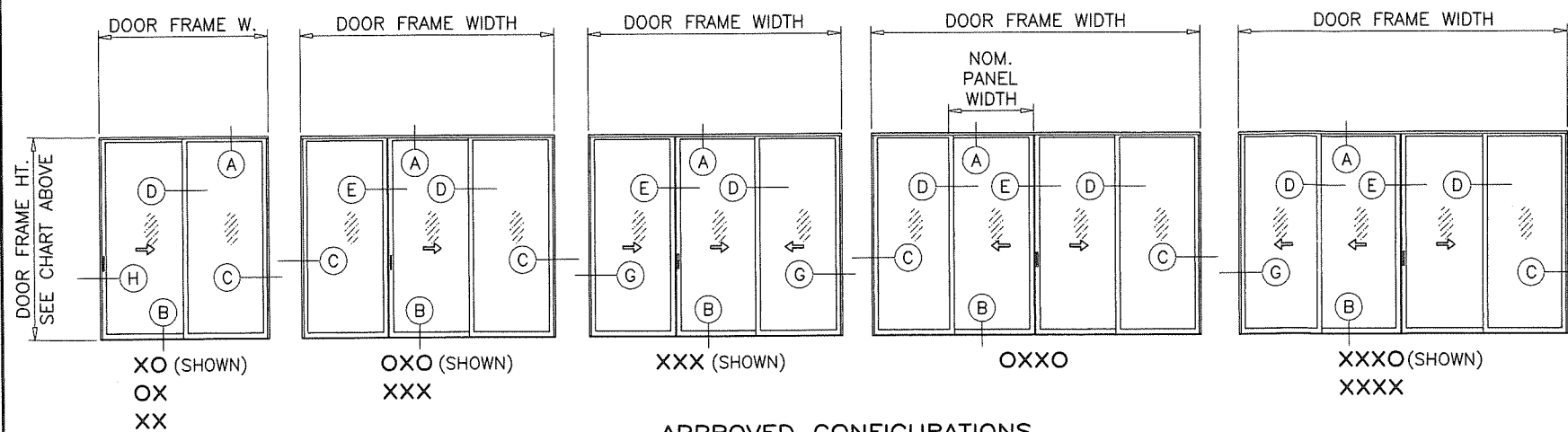


SEE SHEET 3 FOR OX, XO OR XX DOORS WITH HEAVY REINFORCING

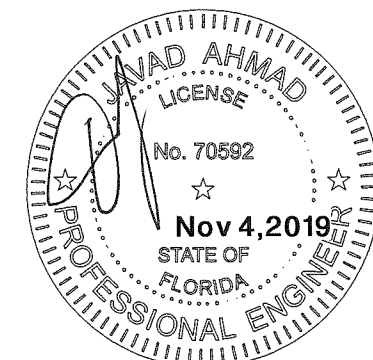
DESIGN LOAD CAPACITY - PSF (ALL CONFIGURATIONS SHOWN ON THIS SHEET) GLASS TYPES 'A', 'B' OR 'C'							
NOMINAL PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	NO REINFOR'G		MEDIUM REINFOR'G		HEAVY REINF'G	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30	81 1/4	70.0	80.0	70.0	80.0	70.0	80.0
36		70.0	80.0	70.0	80.0	70.0	80.0
42		-	-	70.0	80.0	70.0	80.0
48		-	-	-	-	70.0	80.0
54		-	-	-	-	70.0	71.1
30	96	-	-	70.0	80.0	70.0	80.0
36		-	-	70.0	80.0	70.0	80.0
42		-	-	-	-	70.0	80.0
48		-	-	-	-	70.0	80.0

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY WITH  
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 19-1113-02  
Expiration Date 3/18/24  
Minor Product Control



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



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)

**Pino's Window Corp.**  
6860 N.W. 75th Street  
Medley, FL. 33166  
Tel. (305) 888-9946 Fax (305) 888-8079

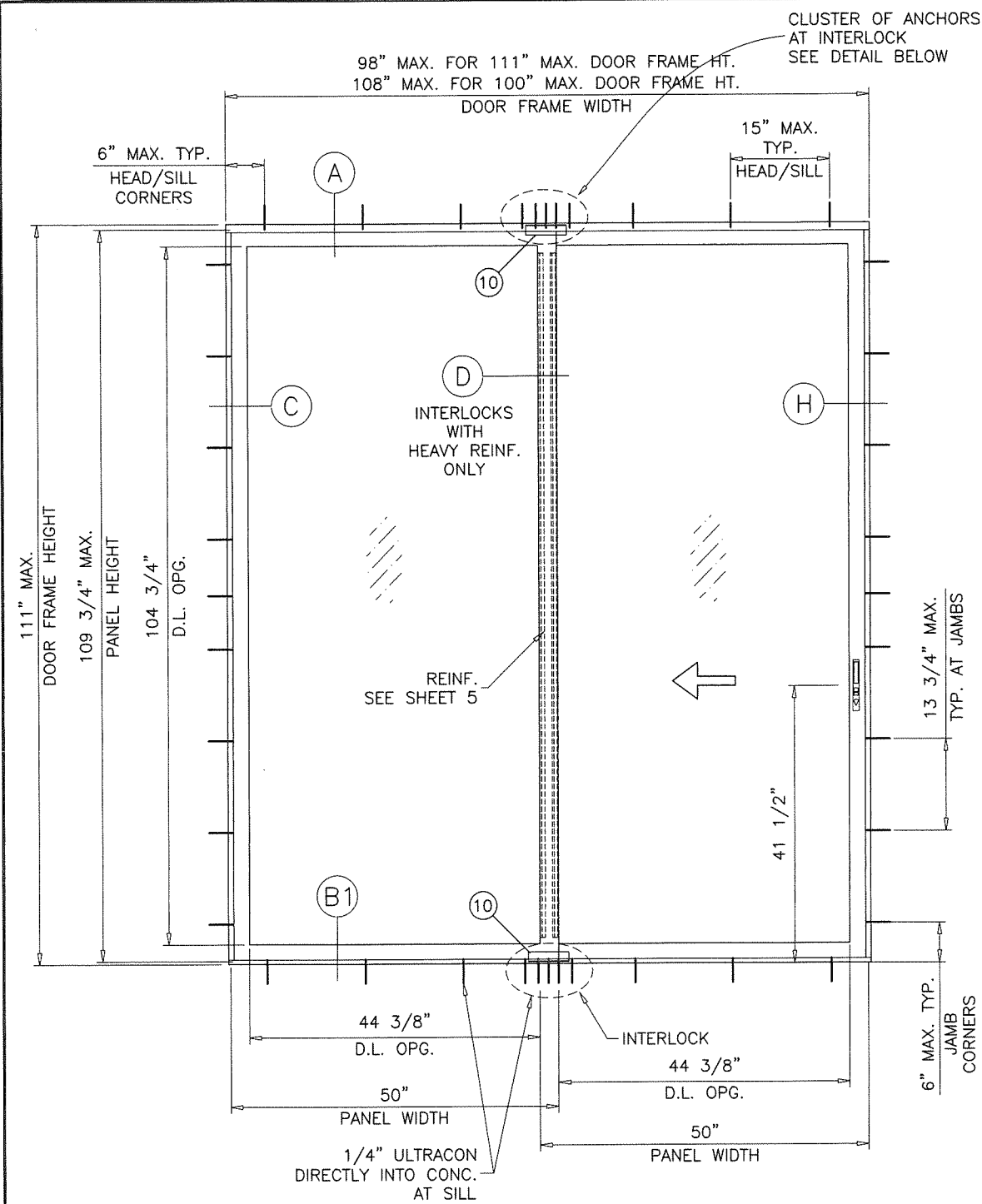
revisions:  
no date by description

date: 10-24-19  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**19-113D**

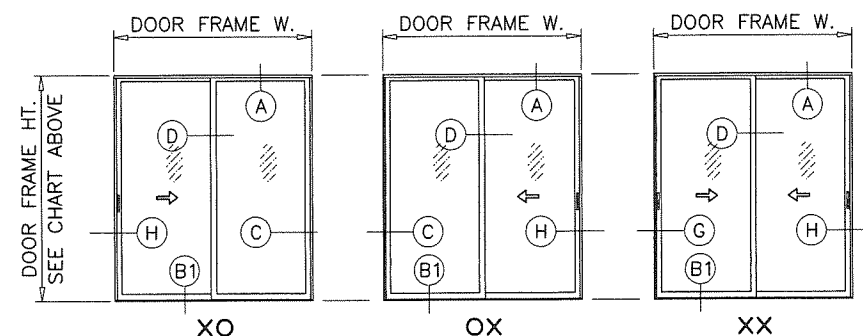
sheet 2 of 7

COMP-ANL 19-113D-PW



TYPICAL ELEVATION (OX) (SHOWN)

THIS SIZE TO HAVE HEAVY REINFORCING AT INTERLOCKS  
(SEE SHEET 5)



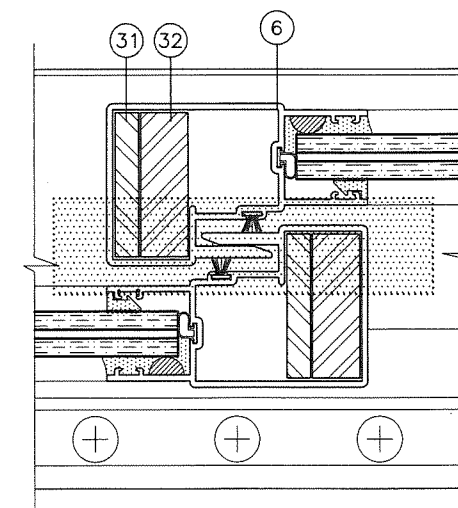
APPROVED CONFIGURATIONS

DESIGN LOAD CAPACITY - PSF (OX, XO OR XX ONLY) HEAVY REINF'G (SEE DETAIL SHEET 5)					
NOMINAL PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPE 'A'		GLASS TYPE 'B'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	81 1/4	80.0	103.0	80.0	103.0
36		80.0	103.0	80.0	103.0
42		80.0	88.3	80.0	88.3
45		64.0	82.4	85.0	85.0
48		80.0	70.0	85.0	85.0
54		72.6	63.5	77.1	77.1
30	96	80.0	103.0	80.0	103.0
36		80.0	103.0	80.0	103.0
42		80.0	70.0	85.0	85.0
45		80.0	70.0	85.0	85.0
48		80.0	70.0	85.0	85.0
54		72.0	63.5	77.1	77.1
30	100	80.0	103.0	80.0	103.0
36		80.0	103.0	80.0	103.0
42		80.0	70.0	85.0	85.0
48		80.0	70.0	85.0	85.0
49		72.6	63.5	85.0	85.0
54		72.6	63.5	-	-
30	108	80.0	70.0	85.0	85.0
36		80.0	70.0	85.0	85.0
42		80.0	70.0	85.0	85.0
48		80.0	70.0	85.0	85.0
49		-	-	85.0	85.0
30	111	80.0	70.0	80.0	70.0
36		80.0	70.0	80.0	70.0
42		80.0	70.0	80.0	70.0
48		80.0	70.0	80.0	70.0

FOR 'XX' DOORS LIMIT EXTERIOR LOADS TO +80.0 PSF

THE SHOWN EXT. (+) LOADS REQUIRE  
3-1/4" SILL HEIGHT (DTL. B1 ON SHEET 4).  
REDUCE EXT.(+) LOAD CAPACITY TO  
+70.0 PSF IF 2-1/2" SILL HEIGHT IS USED  
INT.(-) LOADS REMAIN UNCHANGED.

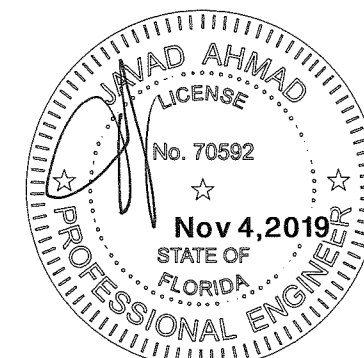
DOOR HEIGHT AND WIDTH SIZE MUST COMPLY WITH  
EGRESS REQUIREMENTS PER FBC AS REQUIRED.



HEAVY REINFORCING  
AT EXTERIOR/INTERIOR INTERLOCK

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  
Acceptance No. 19-1113-02  
Expiration Date 3/18/24  
By: [Signature]  
Senior Design Product Control



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\19-113D-PW

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SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)

**Pino's Window Corp.**  
6860 N.W. 75th Street  
Medley, FL. 33166  
Tel. (305) 888-9946 Fax (305) 888-8079

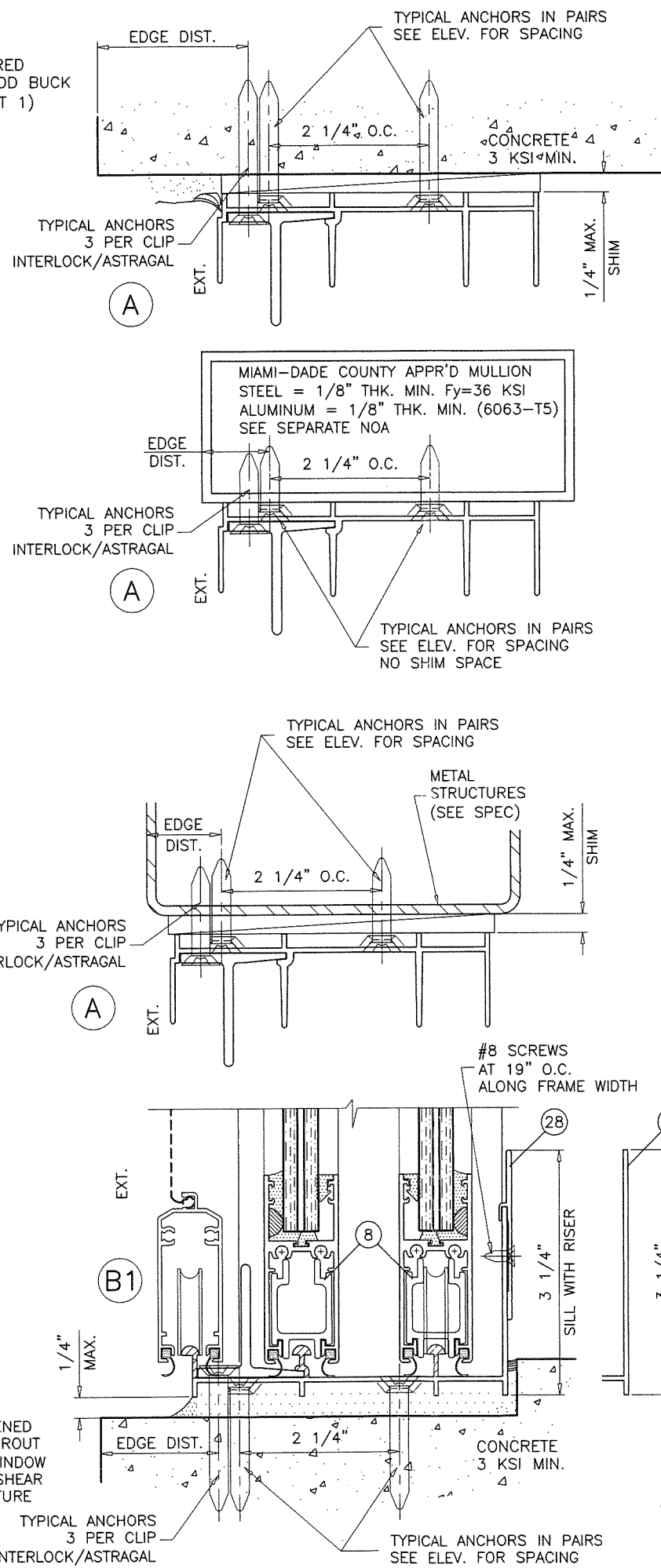
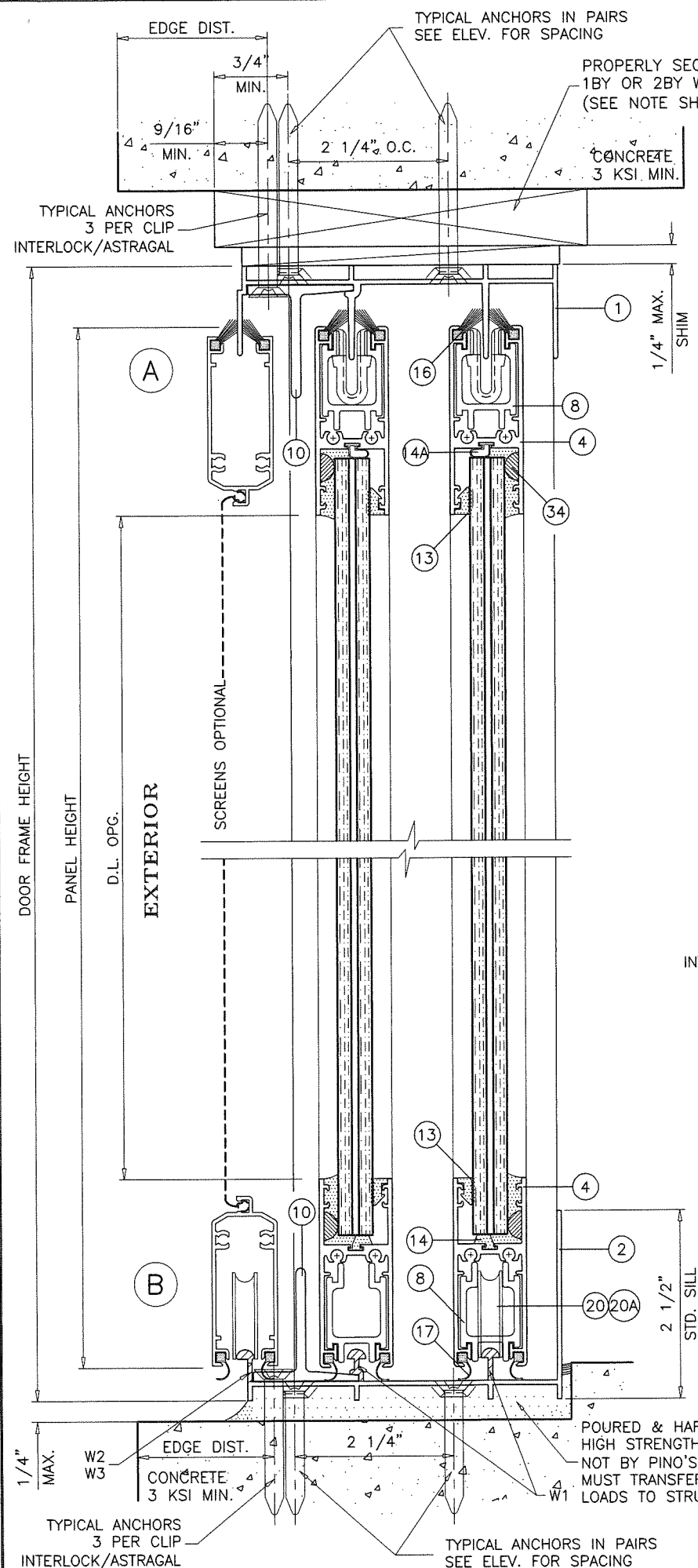
revisions:	no	date	by	description

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date: 10-24-19  
scale: 1/2" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**19-113D**  
sheet 3 of 7





1X OR 2X WOOD BUCKS AND METAL STRUCTURE NOT BY 'PINO'S WINDOW' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

#### TYPICAL ANCHORS: SEE ELEV. FOR SPACING

**1/4" DIA. ULTRACON BY 'ELCO'** (Fu=177 KSI, Fy=155 KSI)  
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1BY BUCKS INTO CONC. OR BLOCKS  
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)  
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS  
 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#### 1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS  
 OR  
 INTO METAL STRUCTURES (HEAD/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)

#### TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.  
 INTO WOOD STRUCTURE = 3/4" 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.

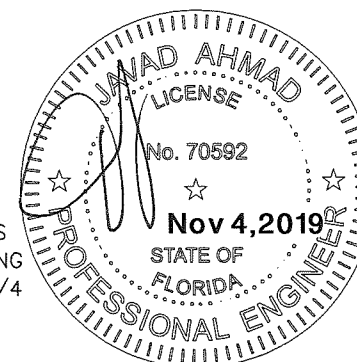
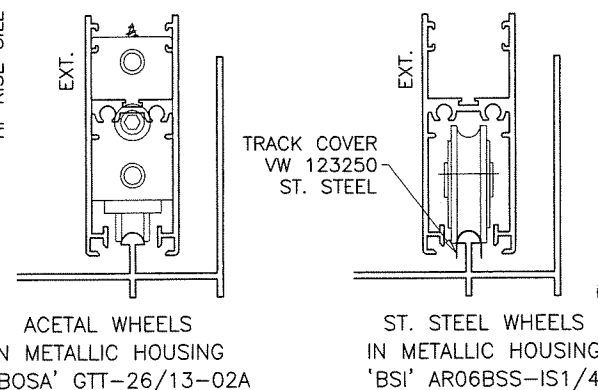
#### SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH  
 WHITE/ALUMINUM COLORED SILICONE.

#### WEEPHOLES:

W1 = 1-3/4" WEEP NOTCH AT EACH END  
 W2 = 3/4" WEEP NOTCH AT EACH END  
 W3 = 3" X 1/4" WEEP HOLES AT 2" FROM EACH END

PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 19-1113-02  
 Expiration Date 3/18/24  
 J. Ahmad, Professional Engineer



**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173  
 TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\19-113D-PW

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SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)

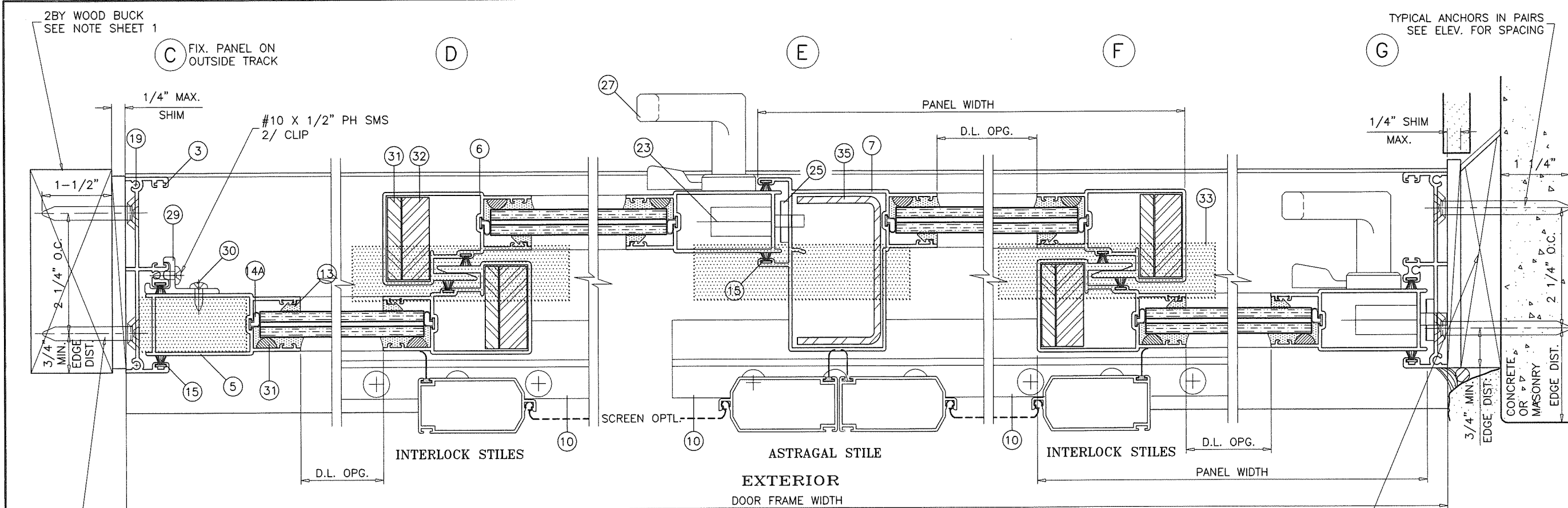
**Pino's Window Corp.**  
 6860 N.W. 75th Street  
 Medley, FL. 33166  
 Tel. (305) 888-9946 Fax (305) 888-8079

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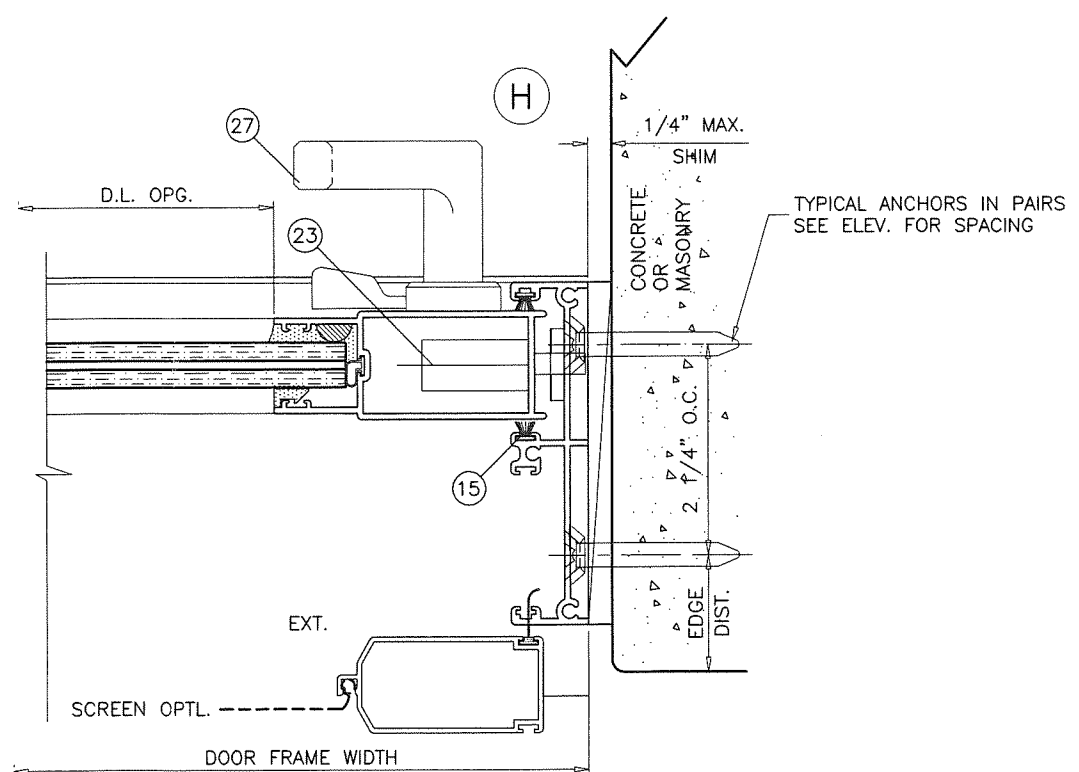
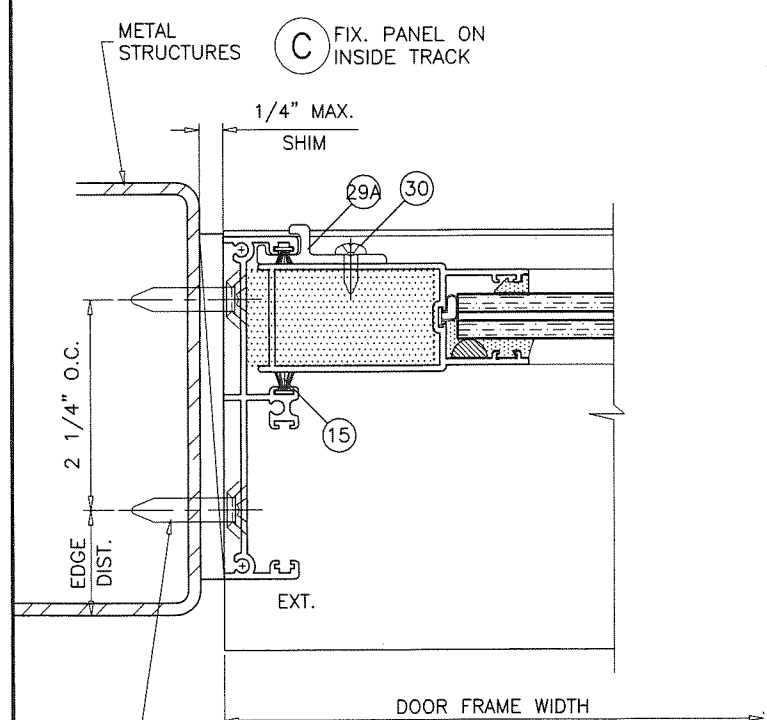
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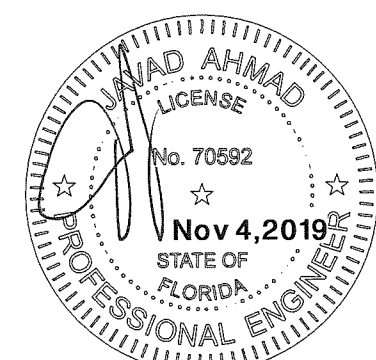
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drawing no. 19-113D		
sheet 4 of 7		



**HEAVY REINFORCING  
AT EXTERIOR/INTERIOR INTERLOCK & ASTRAGAL STILES**



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J. Ahmad  
Product Control



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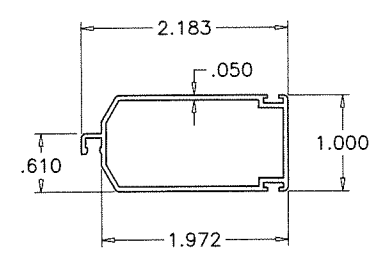
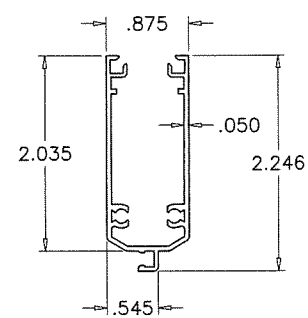
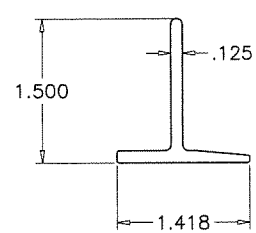
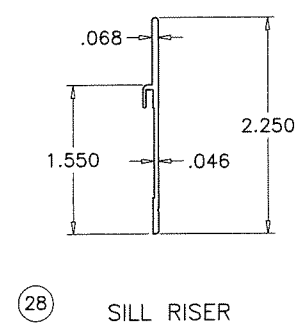
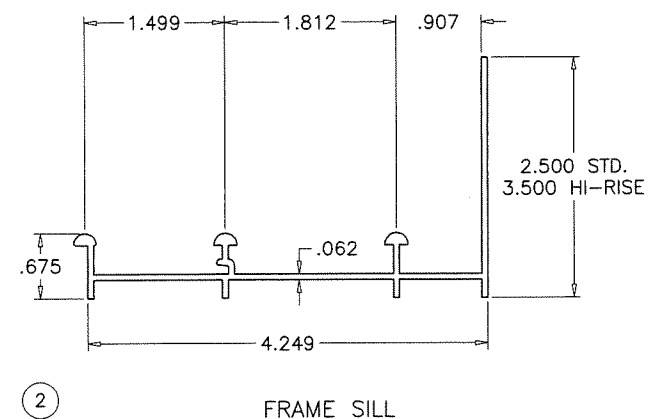
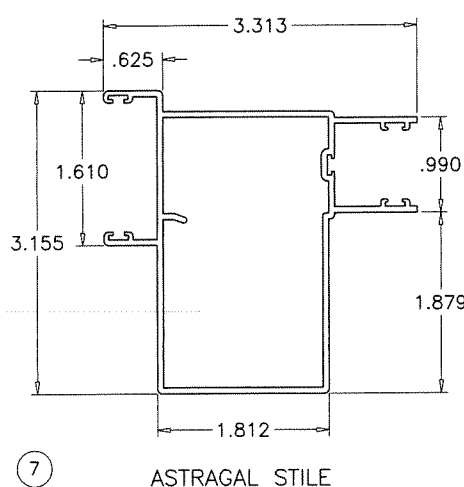
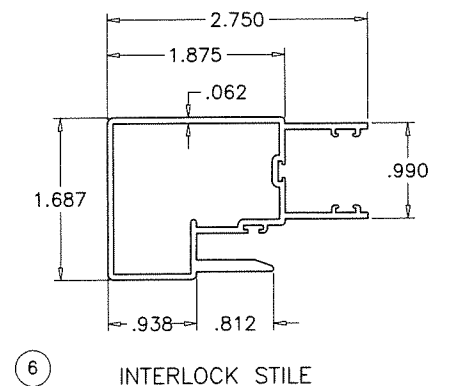
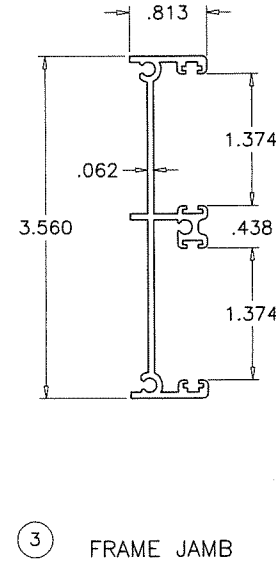
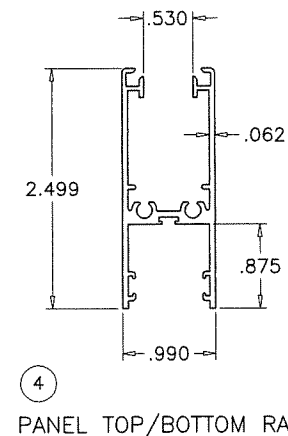
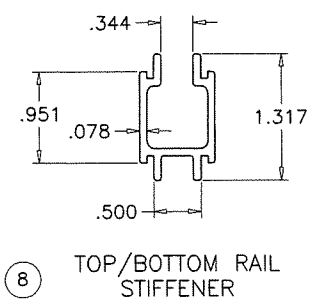
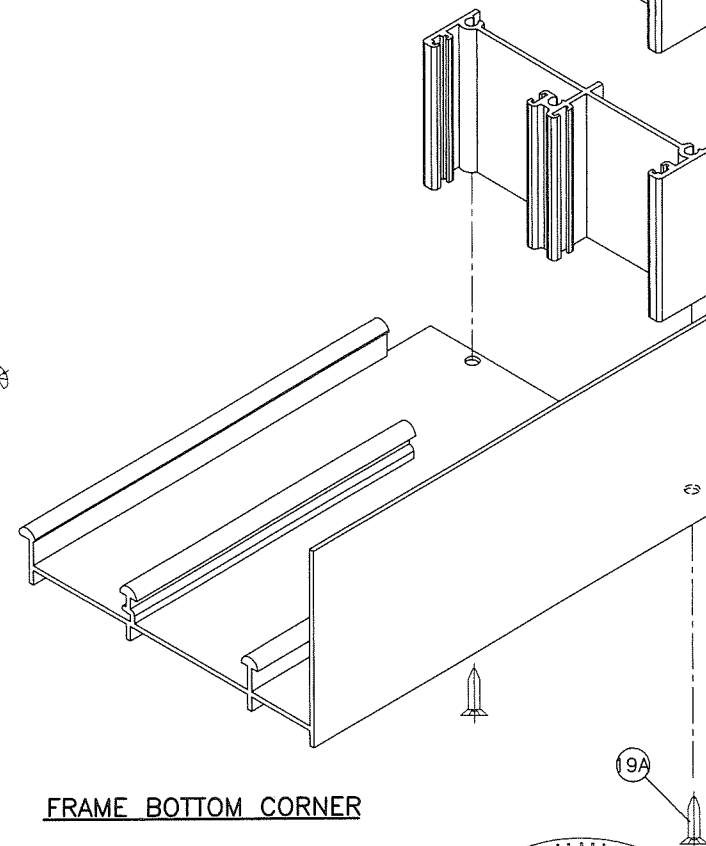
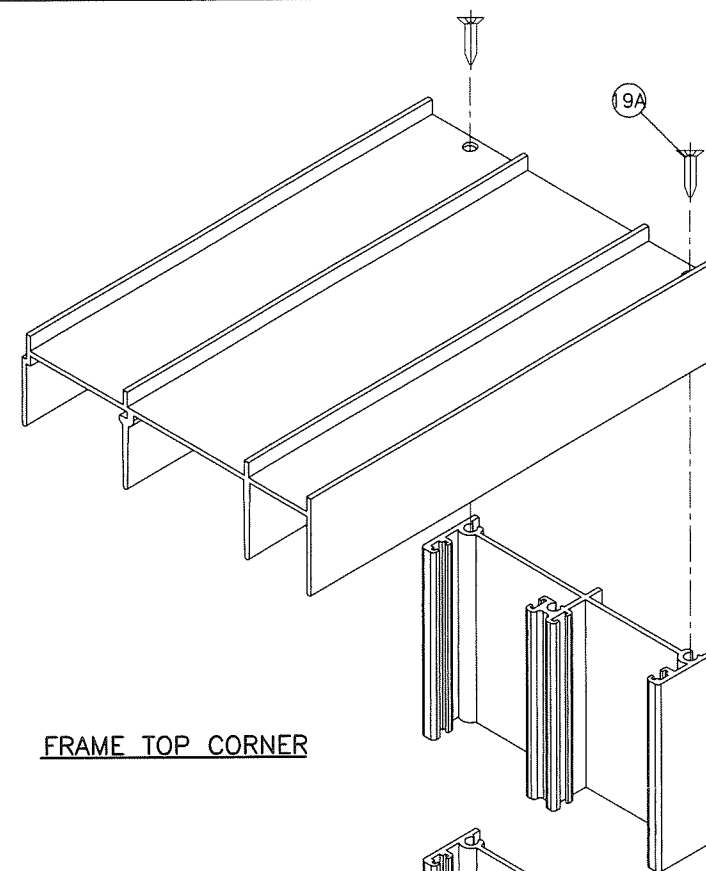
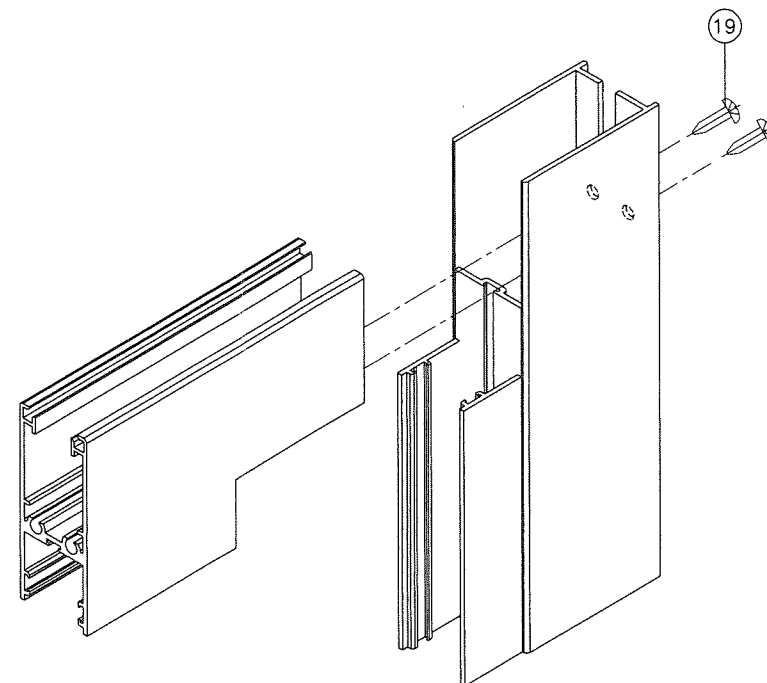
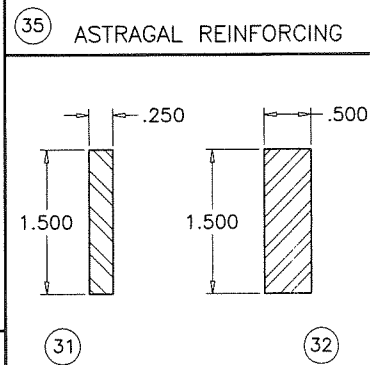
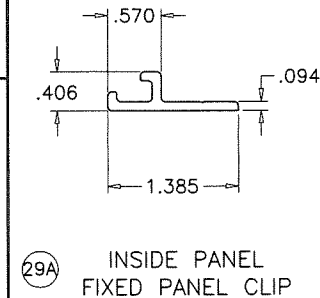
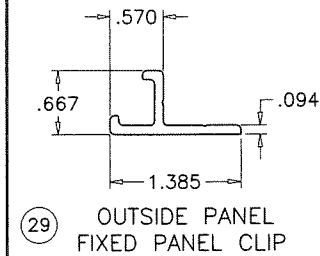
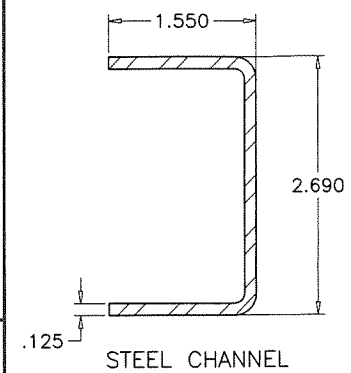
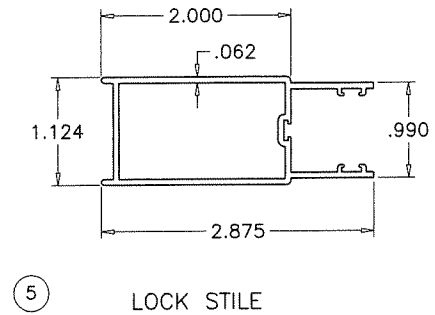
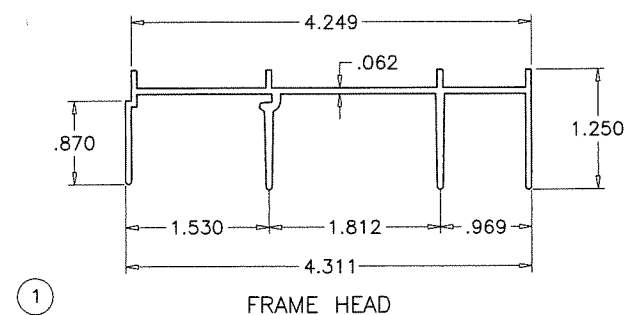
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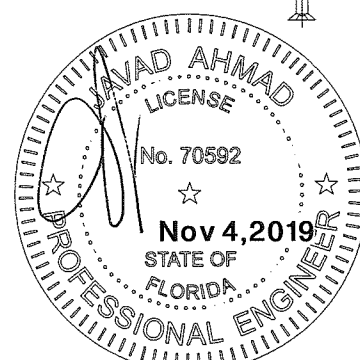
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**19-113D**

sheet 5 of 7





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Expiration Date MAR 18, 2024  
S. Whigley, III  
Officer, Code Product Control



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SERIES-4000 ALUM SLIDING GLASS DOOR (L.M.I.)

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