



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

Euro Windows, Inc.

Calle 16 Lote #21

Urbanizacion Industrial Villa Prades - PO Box 9023867

San Juan, PR 00924 -

San Juan, PR 00902

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: White PVC Tilt & Turn Window - S.M.I.

APPROVAL DOCUMENT: Drawing No. **W17-80**, titled "White PVC Tilt & Turn Wdw. (S.M.I.)", sheets 1 through 5 of 5, dated 08/28/17, with revision A dated 07/25/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, 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 consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



Handwritten signature and date:
7/8/28/19

NOA No. 18-0611.05
Expiration Date: September 05, 2024
Approval Date: September 05, 2019
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W17-80**, titled "White PVC Tilt & Turn Window (S.M.I.)", sheets 1 through 5 of 5, dated 08/28/17, with revision A dated 07/25/18, prepared by Al-Farooq Corporation, 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 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of two white PVC mulled tilt and turn windows, Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9579**, dated 04/17/17, signed and sealed by Idalmis Ortega, P.E.
2. Test reports on: 1) Small Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a white PVC tilt and turn window, Fenestration Testing Laboratory, Inc., Test Report No. **FTL-9344**, dated 03/07/17, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

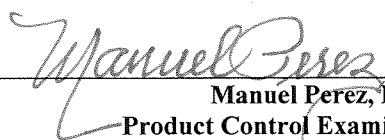
1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)**, dated 03/08/18, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09/12**

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. **19-0715.01** issued to **Profine GmbH**, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 08/22/19, expiring on 08/22/24.


Manuel Perez, P.E.
Product Control Examiner
NOA No. **18-0611.05**
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F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated March 8, 2018, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Proposal No. **16-0813**, issued to Euro Windows, Inc. for their Testing program for PVC Tilt Turn and Fixed Window - L.M.I. and S.M.I., issued by the Product Control Section, dated August 5, 2016, signed by Manuel Perez, P.E.

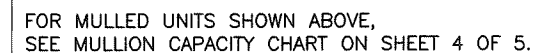
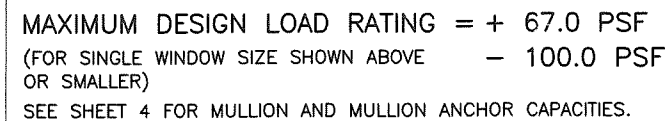
G. OTHERS

1. None.



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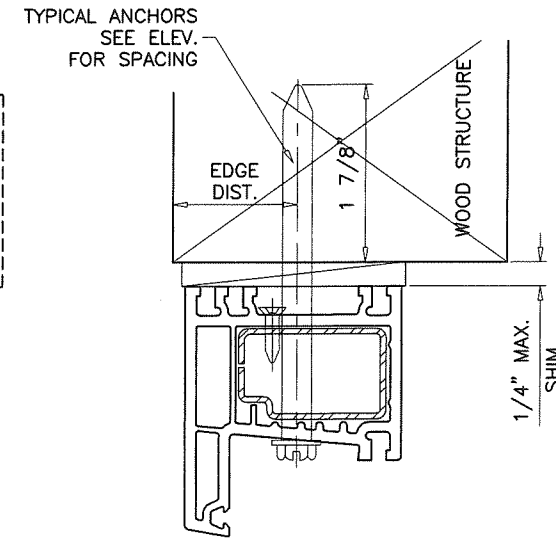
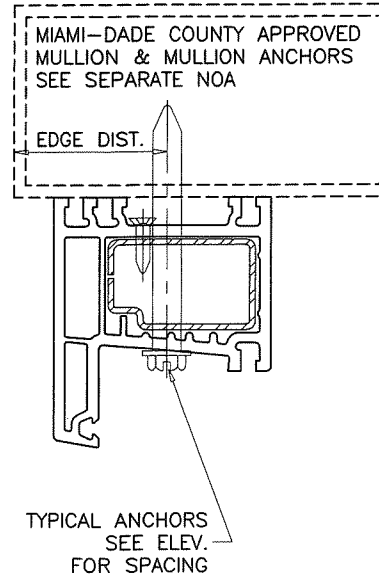
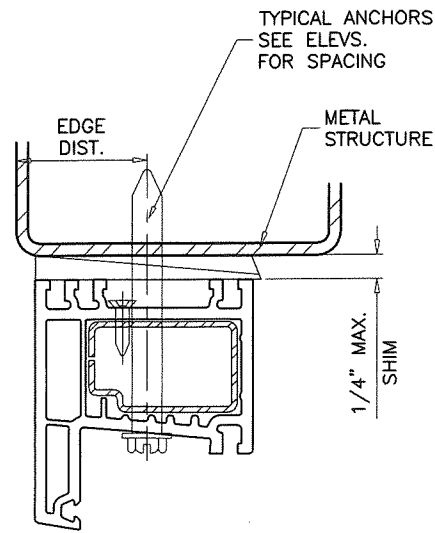
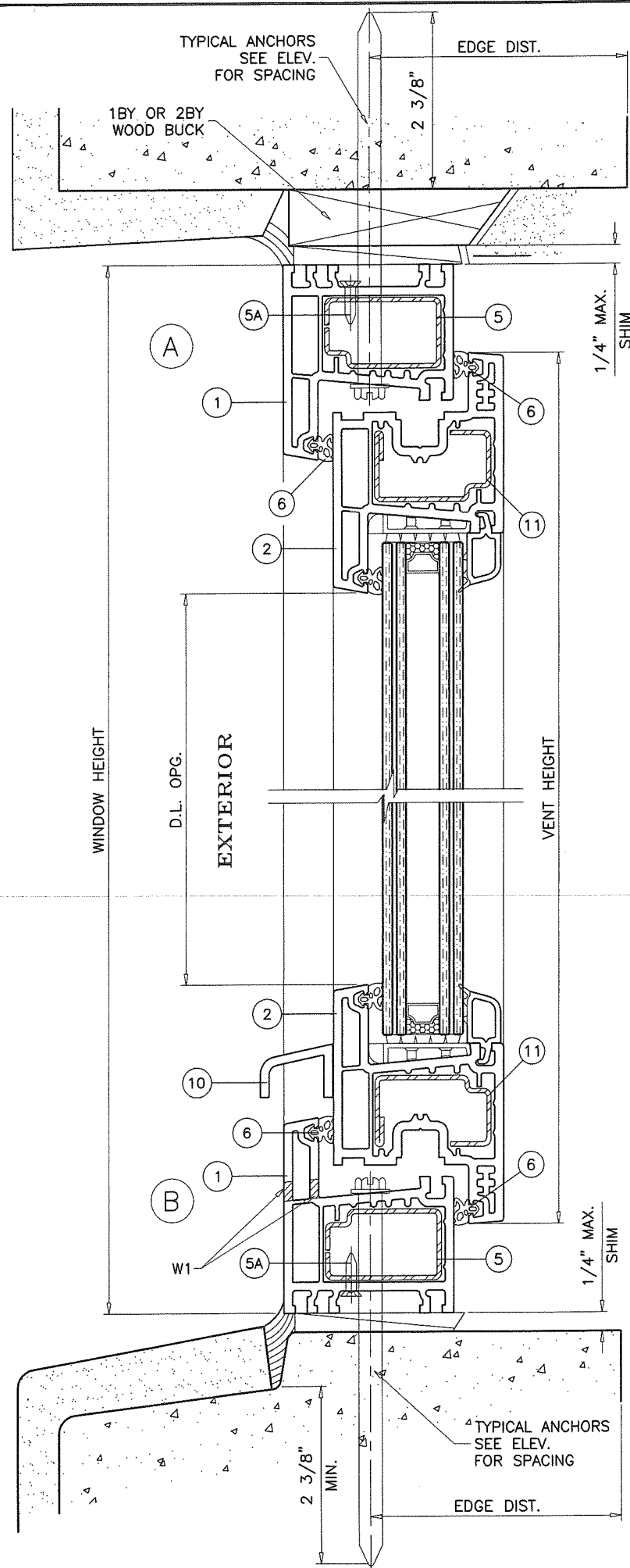
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT.
MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS REQUIRED
FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.



drawing no.
W17-80

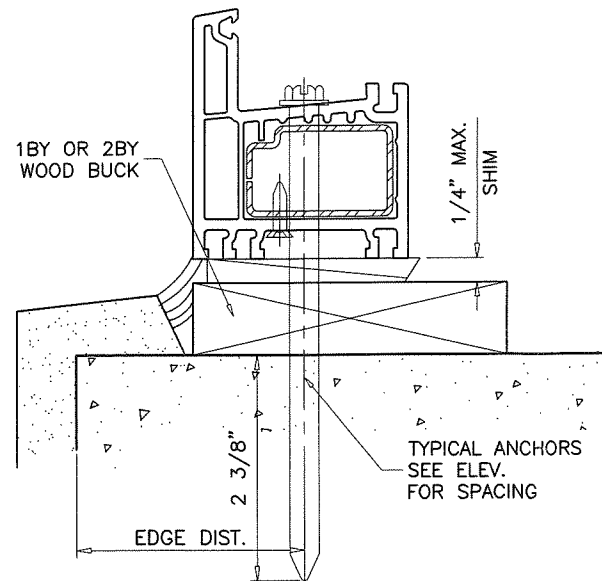
sheet 1 of 5



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

WEEPHOLES:

W1 = 1/4" X 1-1/4" WEEP SLOT AT 7-1/2" FROM EACH END.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

3/8" DIA. LAG SCREWS'

INTO WOOD STRUCTURES

1-7/8" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

3/8" DIA. HUS-CR BY 'HILTI'

THRU 1BY OR 2BY BUCKS INTO CONC. OR BLOCKS

2-3/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2-3/8" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

2-3/8" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2-3/8" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

3/8" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

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)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1-1/2" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

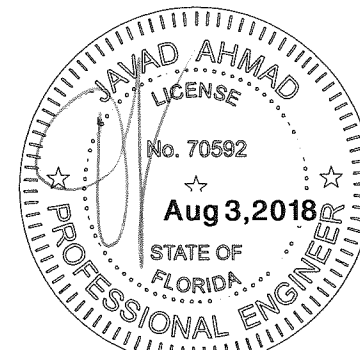
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

Approved as complying with the
Florida Building Code
Date: Sept. 5, 2019
NOA# 18-0611-03
Miami Dade Product Control

Manuel Perez



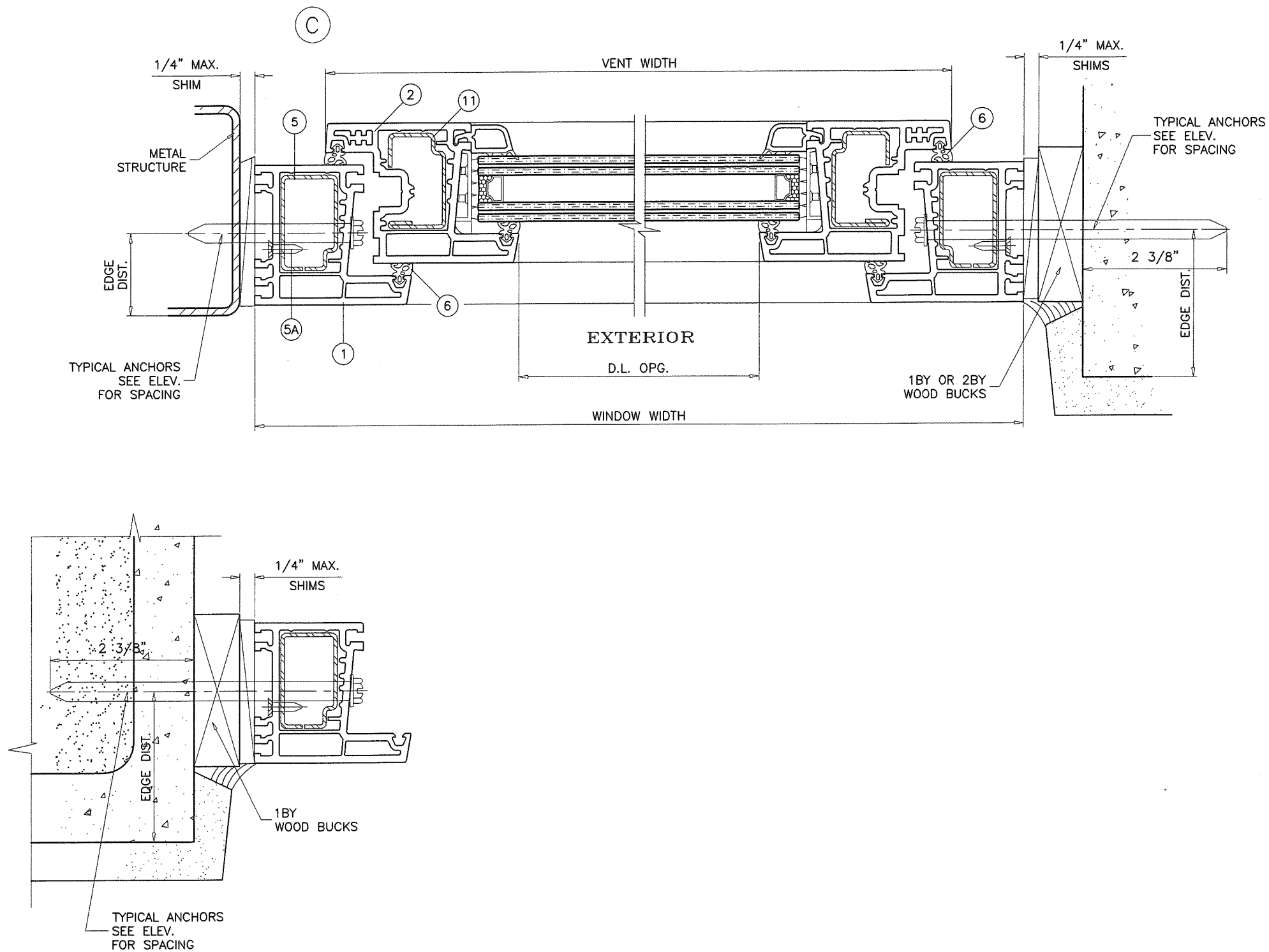
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W17-80EW

WHITE PVC TILT & TURN WINDOW (S.M.I.)

Euro Windows, Inc.

Calle 16, Lote No. 21
Urb. Industrial Villa Prades
San Juan, PR 00924
Tel. (787) 722-2531 Fax. (787) 724-4093

revisions:		no	date	by	description
		A	07.25.18		REV. PER PER COMMENTS
date:	08-28-17	scale:	1/2" = 1"	dr. by:	TARIQ
chk. by:					
drawing no.		W17-80			
sheet		2 of 5			

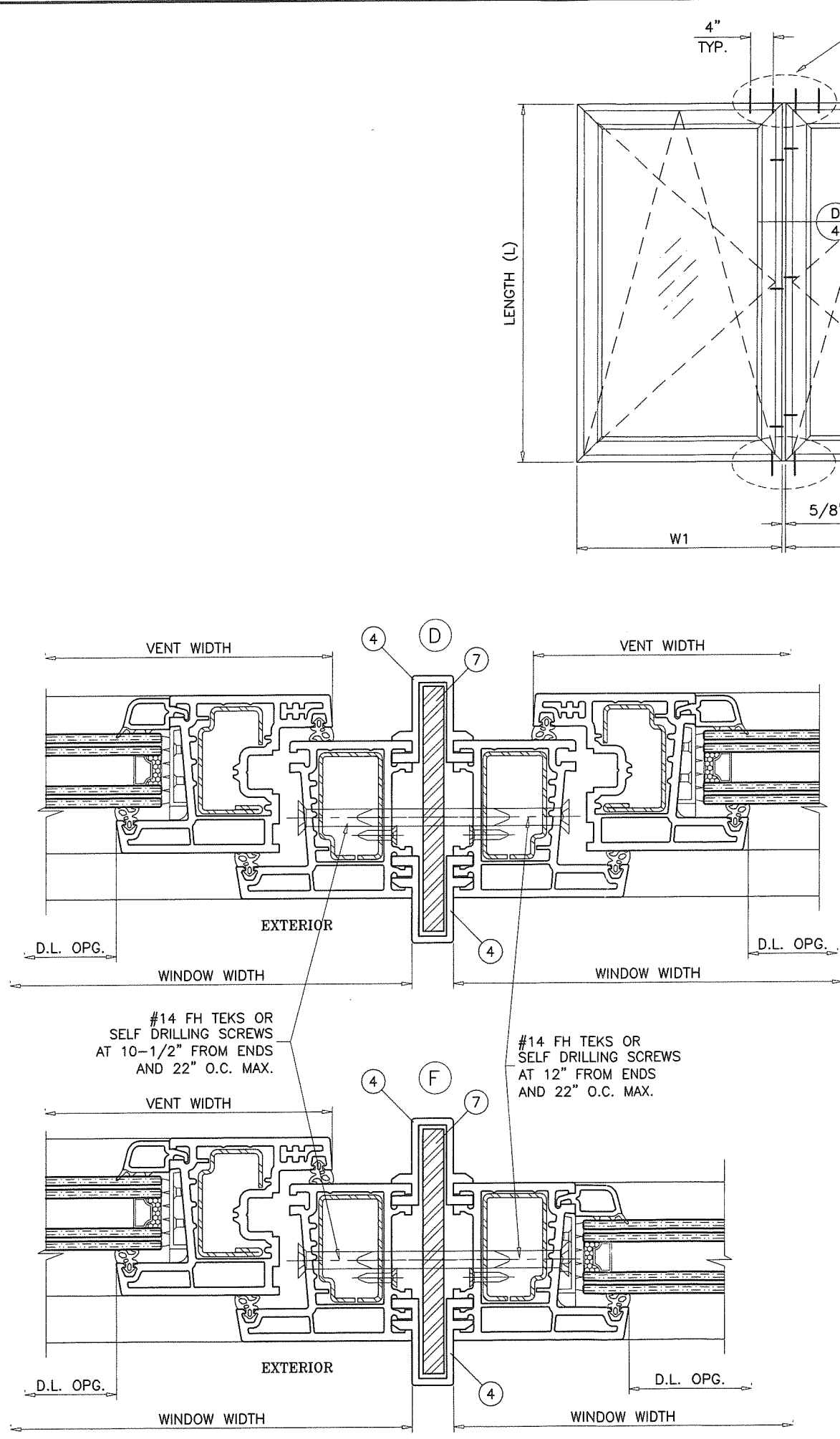


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Miami Dade Product Control

7-80EW

WHITE PVC TILT & TURN WINDOW (S.M.I.)

MULLION LOAD CAPACITY - PSF					
WINDOW DIMS.		2 ANCHORS		4 ANCHORS	
WIDTH (W)	LENGTH (L)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
18"	24"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	100.0	67.0	100.0
18"	26"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	100.0	67.0	100.0
18"	30"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	100.0	67.0	100.0
18"	36"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	100.0	67.0	100.0
18"	38-3/8"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	100.0	67.0	100.0
18"	48"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	100.0	67.0	100.0
18"	50-5/8"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	100.0	67.0	100.0
32"		67.0	100.0	67.0	100.0
37"		67.0	98.1	67.0	100.0
18"	60"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	100.0	67.0	100.0
26-1/2"		67.0	93.8	67.0	100.0
32"		67.0	82.6	67.0	100.0
37"		67.0	75.9	67.0	100.0
18"	63"	67.0	100.0	67.0	100.0
19-1/8"		67.0	100.0	67.0	100.0
24"		67.0	94.8	67.0	100.0
26-1/2"		67.0	88.1	67.0	100.0
32"		67.0	77.3	67.0	100.0
37"		67.0	70.7	67.0	100.0



4" TYP.

2 OR 4 ANCHORS AT MULLION ENDS SEE CHART FOR CAPACITY

4" TYP.

5/8"

W1

W2

LENGTH (L)

LENGTH (L)

W1

W2

TYPICAL ELEVATIONS

SIDE BY SIDE WINDOWS

SIDE BY SIDE APPLIES TO TWO OR MORE WINDOWS

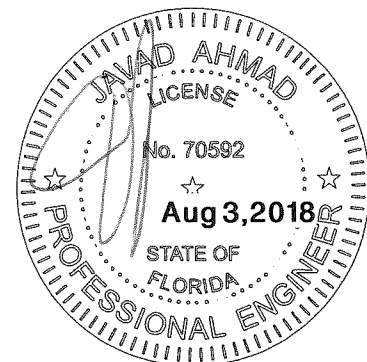
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** FOR TILT & TURN WINDOW CAPACITY SEE SHEET 1.
- STEP 3** FOR FIXED WINDOW CAPACITY SEE SEPARATE NOA.
- STEP 4** CHECK MULLION DESIGN LOAD CAPACITY FOR GIVEN WIDTH AND HEIGHT USING CHART ABOVE. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 5** USING CHART ABOVE SELECT ANCHOR OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 6** THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

Approved as complying with the
Florida Building Code
Date: Sept. 5, 2019
By: Manuel Perez
Miami Dade Product Control



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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WHITE PVC TILT & TURN WINDOW (S.M.I.)

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Tel. (787) 722-2531 Fax. (787) 724-4093

revisions:

no	date	by	description
A	07.25.18		REV. PER COMMENTS

date: 08-28-17

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

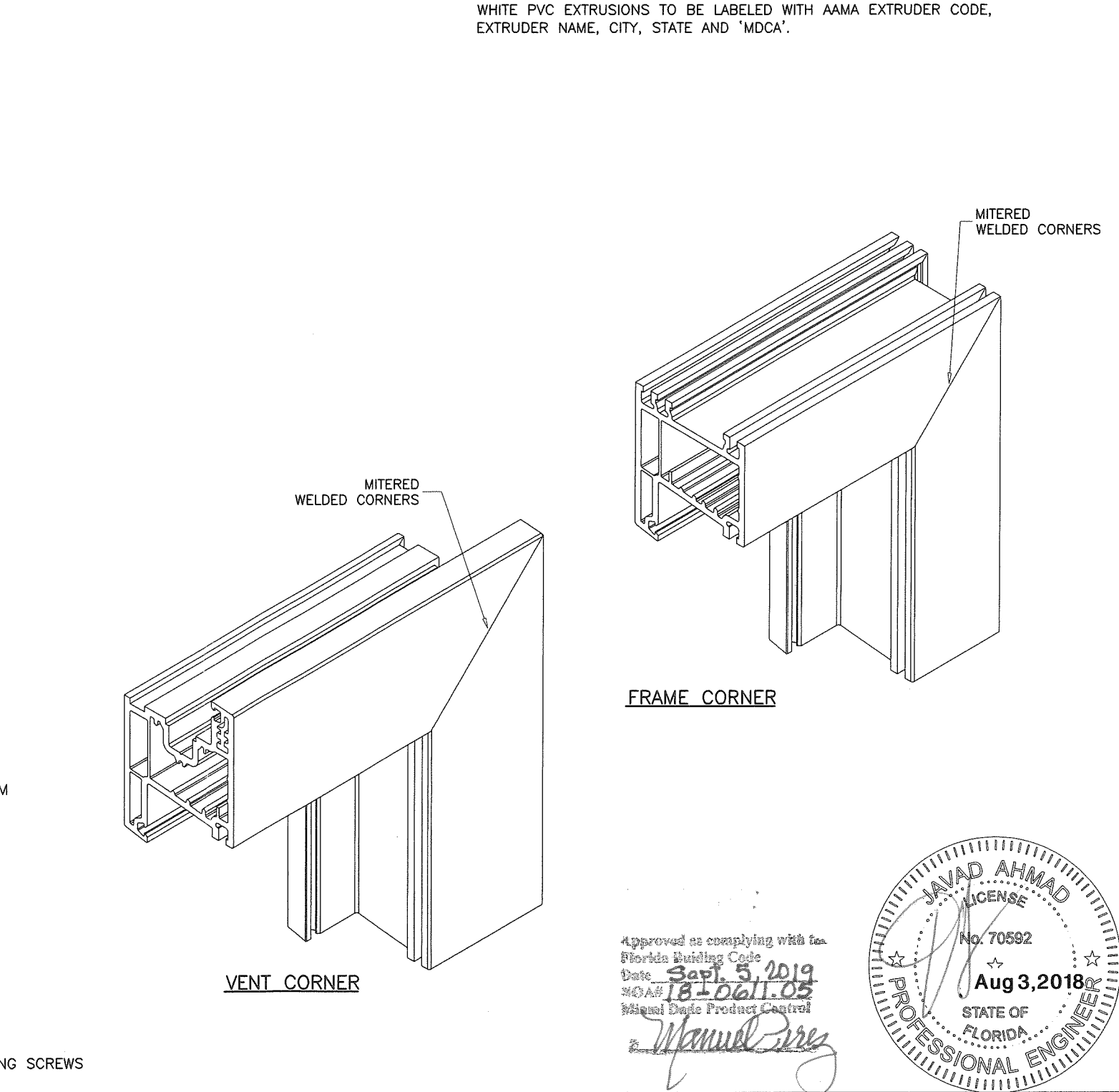
drawing no.

W17-80

sheet 4 of 5

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	1401	4	WINDOW FRAME	VINYL	KOMMERLING
2	1411	AS REQD.	VENT	VINYL	KOMMERLING
3	2428	4/ LITE	GLAZING BEAD	VINYL	KOMMERLING
4	0481	2/ MULL	MULLION COVER	VINYL	KOMMERLING
5	9203.1	4/ LITE	WINDOW FRAME REINFORCING	GALV. STEEL	KOMMERLING
5A	#8 X 3/4"	4/ SIDE	REINFORCING FASTENERS, AT 3" FROM ENDS AND 14" O.C.	ST. STEEL	FH SELF DRILLING
6	9040	-	SASH W'STRIPPING	EPDM	KOMMERLING
7	1234	1/ MULLION	MULLION	GALV. STEEL	JUNCO STEEL
8	9045	4/ LITE	GLAZING GASKET	EPDM	KOMMERLING
9	-	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
10	-	-	WATER SHADE	VINYL	KOMMERLING
11	9183.1	4	VENT REINFORCING	GALV. STEEL	KOMMERLING

WHITE PVC EXTRUSIONS TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY, STATE AND 'MDCA'.



LOCKS:
8 POINT LOCK SYSTEM AT VENT
WITH ACTIVATING LEVER TYPE HANDLE AT 30" FROM BOTTOM
FASTENED WITH (2) #10-32 X 1-3/4" FH SMS

SURFACE MOUNT KEEPERS FACING LOCKING POINTS
EACH KEEPER FASTENED WITH
(1) #8 X 1" FH SELF DRILLING SCREW
(2) KEEPERS AT FRAME HEAD
(1) KEEPER AT FRAME SILL
(2) KEEPERS AT HINGE STILE
(3) KEEPERS AT LOCK STILE

HINGES:
SURFACE MOUNT METALLIC TILT & TURN HINGE
AT 4-1/2" FROM TOP AND BOTTOM
FASTENED TO FRAME WITH (4) #8 X 3/4" FH SELF DRILLING SCREWS

afC
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sheet 5 of 5