



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

ECO Windows Systems, LLC
9114 N. W. 106th Street,
Medley, FL 33178

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 "700-3" Aluminum Sliding Glass Doors (3 & 4-Tracks) w/ Reinforcements-L.M.I.

APPROVAL DOCUMENT: Drawing No. **W17-62 Rev A**, titled "Series- 700-3 Alum SLD. Glass Door (L.M.I.)", sheets 1 through 13 of 13, prepared by Al-Farooq Corporation, dated SEP 15, 2017, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Renewal 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:

1. See Design Pressures Vs glass types and panel sizes charts in sheet **1**. Sill riser is integral part of the system.
2. See approved configurations in sheets 3 thru 5. The max frame are of alternate sizes not to exceed tested frame area per FBC requirements, as limited per sheet **2**.

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 **renews #17-0712.01** 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 **Ishaq I. Chanda, P.E.**



Handwritten initials and date: 1/17/19

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections (see below)
2. Drawing No. **W13-49 REV C**, titled "Series- 700 Alum SLD. Glass Door (L.M.I.)", sheets 1 through 12 of 12, prepared by Al-Farooq Corporation, dated 09/27/13 and last revised on DEC 02, 2015, signed and sealed by Javad Ahmad, P.E.

B. TESTS (Submitted under files #15-0612.05 /#13-0912.02)

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 diagrams of Alum sliding Glass doors, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-7405** dated 09/13/2013 and last revised on 02/10/2014, signed and sealed by Marlin D. Brinson, P. E.

Note: The above referenced test report has an addendum letter dated FEB 10, 2014, issued by Fenestration Testing Lab, Inc., signed by Ms. Iliana Sanchez, test report Author.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by Al Farooq Corporation, dated 06/10/15 and last revised on DEC 02, 2015, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ 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. **14-0916.10** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc.) for the "**Kuraray Butacite ® PVB interlayer**", expiring on 12/11/16.
2. 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 07/04/17.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 06/10/15, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. Test proposal, dated 03/25/13 approved by Jaime D. Gascon, P.E. Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 18-1220.08

Expiration Date: March 20, 2024

Approval Date: January 17, 2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approvals (spin-off from 2-track Sys)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W17-62 Rev A**, titled "Series- 700-3 Alum SLD. Glass Door (L.M.I.)", sheets 1 through 13 of 13, prepared by Al-Farooq Corporation, dated SEP 15, 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, TAS 202-94

along with marked-up drawings and installation diagrams of Alum sliding Glass doors (3-tracks), prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-9333** dated 02/08/17, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6th Edition), prepared by Al Farooq Corporation, dated 07/05/17, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ 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. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for "Trosifol: Ultra clear, clear & color PVB glass interlayer" (former "Kuraray **Butacite** PVB Interlayer)", expiring on 07/08/19.
2. 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.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017(6th Edition) and letter of no financial interest, prepared by Al Farooq Corporation, dated 05/06/17, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. Test proposal # **16-1466** dated 03/04/17 approved by RER.



Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

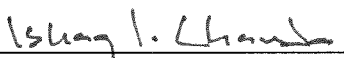
NOA No. 18-1220.08

Expiration Date: March 20, 2024

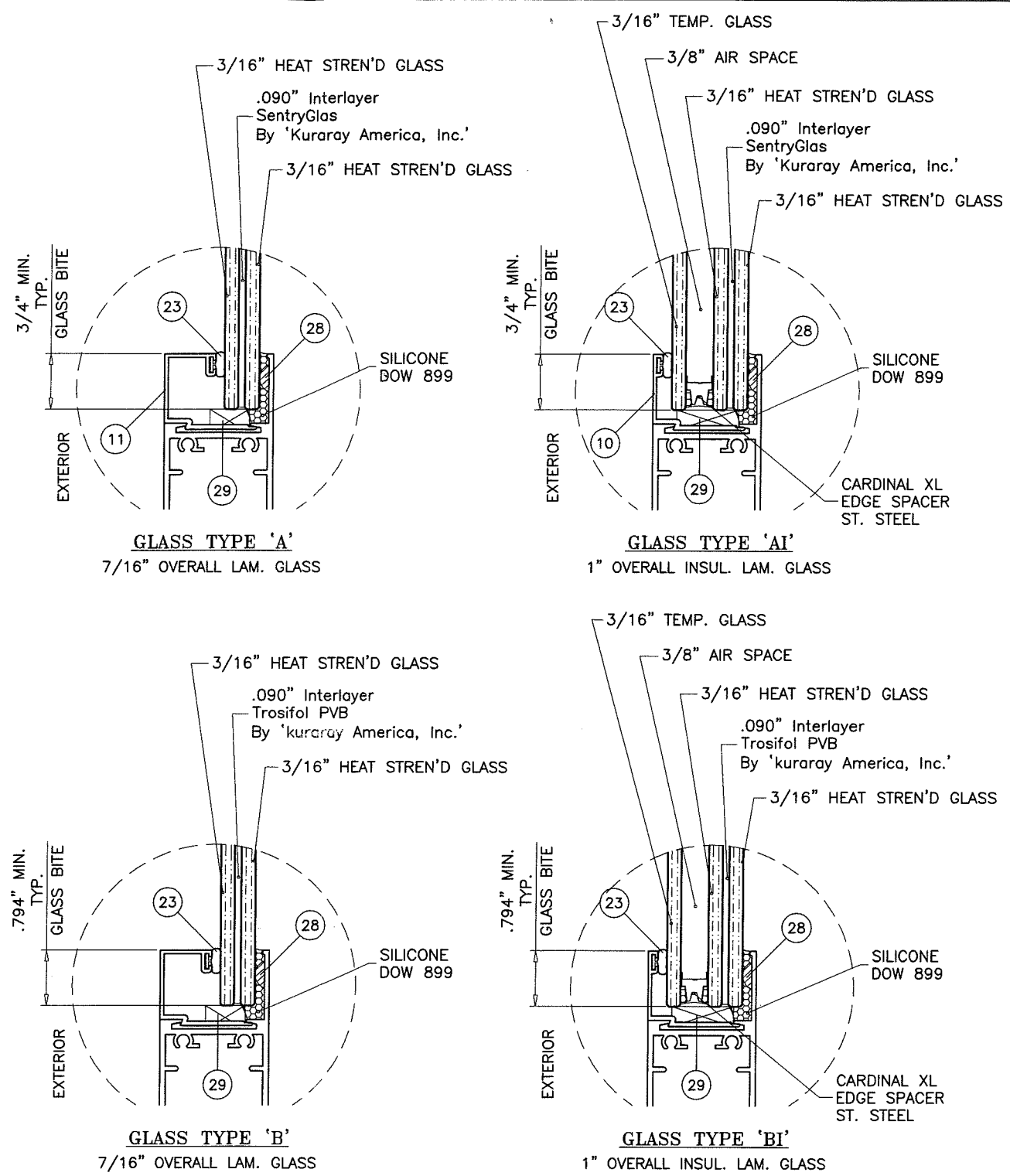
Approval Date: January 17, 2019

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. **New Evidence submitted.**
- A. **DRAWINGS**
 1. Drawing No. **W17-62 Rev A**, titled “Series- 700-3 Alum SLD. Glass Door (L.M.I.)”, sheets 1 through 13 of 13, prepared by Al-Farooq Corporation, dated SEP 15, 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 DeNemours & Co., Inc.) for “**Trosifol**: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray **Butacite** PVB Interlayer”), expiring on 07/08/19.
 2. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “Kuraray **Sentry Glass ® Interlayer**”, expiring on 07/4/23.
- F. **STATEMENTS** (submitted under file #**17-0712.01**)
 1. Statement letter of conformance to FBC 2017(6th edition) prepared by Al-Farooq Corporation, dated 05/06/17, signed and sealed by Javad Ahmad, P.E.
- G. **OTHER**
 1. This NOA **renews** NOA # **17-0712.01**, expiring 03/20/2024.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 18-1220.08
Expiration Date: March 20, 2024
Approval Date: January 17, 2019

DESIGN LOAD CAPACITY - PSF					
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A', 'A1'		GLASS TYPES 'B', 'B1'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
30	82	60.0	80.0	60.0	80.0
36		60.0	80.0	60.0	80.0
42		60.0	80.0	60.0	80.0
48		60.0	80.0	60.0	80.0
54		53.3	71.1	53.3	71.1
30	84	60.0	80.0	60.0	80.0
36		60.0	80.0	60.0	80.0
42		60.0	80.0	60.0	80.0
48		60.0	80.0	60.0	80.0
54		53.3	71.1	53.3	71.1
30	90	60.0	80.0	60.0	80.0
36		60.0	80.0	60.0	80.0
42		60.0	80.0	60.0	80.0
48		60.0	80.0	60.0	80.0
54		53.3	71.1	-	-
30	96	60.0	80.0	60.0	80.0
36		60.0	80.0	60.0	80.0
42		60.0	80.0	60.0	80.0
48		60.0	80.0	60.0	80.0
54		53.3	71.1	-	-
30	98	60.0	80.0	60.0	80.0
36		60.0	80.0	60.0	80.0
42		60.0	80.0	60.0	80.0
48		60.0	80.0	60.0	80.0
54		53.3	71.1	-	-
30	102	60.0	80.0	-	-
36		60.0	80.0	-	-
42		60.0	80.0	-	-
48		60.0	80.0	-	-
54		53.3	71.1	-	-
30	108	60.0	80.0	-	-
36		60.0	80.0	-	-
42		60.0	80.0	-	-
48		60.0	80.0	-	-
54		53.3	71.1	-	-



GLAZING OPTIONS

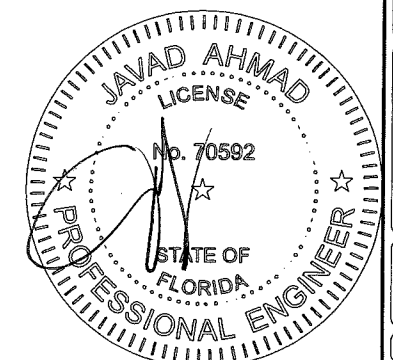
THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

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 17-0712-01 Expiration Date MAR 20, 2019
Ishag I. Chandra
 Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 18-1220-08 Expiration Date MAR 20, 2022
Ishag I. Chandra
 Miami Dade Product Control

3 & 4 TRACKS
 S.G.D. WITH ALUM REINF.
 OPERABLE AND POCKET



SEP 15 2017

**SERIES-700-3
 ALUMINUM SLIDING GLASS DOOR**

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2014 (5TH EDITION)/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 2014/2017 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.

af c

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W17-62ECO

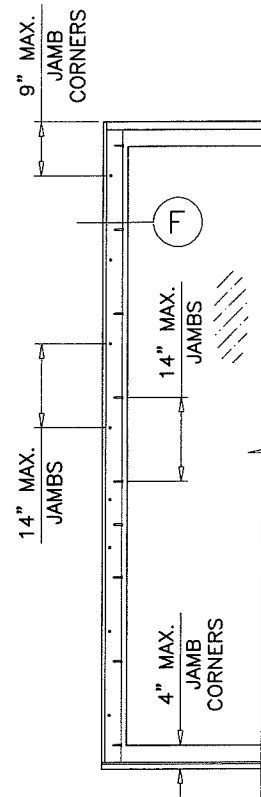
ECO WINDOW SYSTEMS, LLC.
 8502 N.W. 80th STREET
 MEDLEY, FL. 33166
 TEL. (305) 885-5299 FAX (305) 885-5902

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)

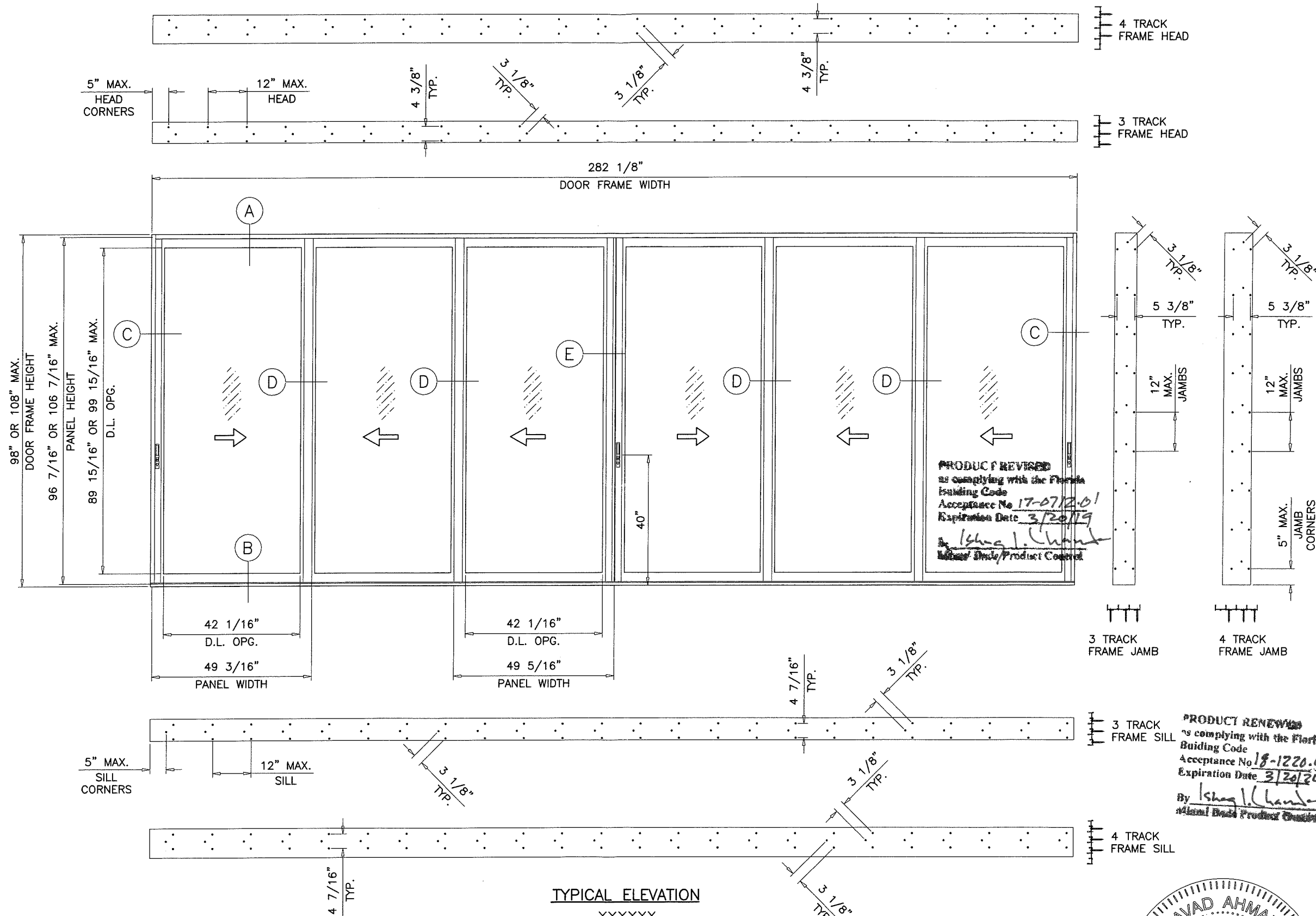
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date: 06-27-17
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W17-62
 sheet 1 of 13



POCKET JAMB ANCHORS



TYPICAL ELEVATION
XXXXXX
(3 OR 4 TRACKS)

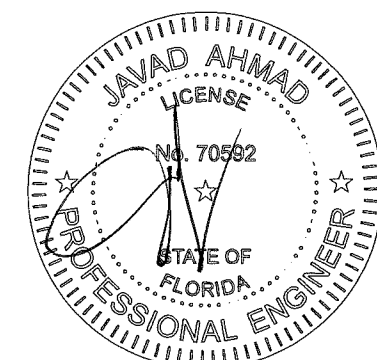
DAYLITE OPENINGS WIDTHS:
FIXED STILE-INTERLOCK = PANEL WIDTH - 7.125"
INTERLOCK-ASTRAGAL = PANEL WIDTH - 7.250"
DAYLITE OPENING HEIGHT:
PANEL HEIGHT = 6.50"
PANEL HEIGHT = DOOR FRAME HEIGHT - 1.5625"

ALTERNATE SIZE UNITS:
MAX. FRAME AREA OF DOORS NOT TO EXCEED
THE TESTED FRAME AREA OF 211.6 SQ. FT. FOR GLASS TYPES 'A' & 'A1'
THE TESTED FRAME AREA OF 196 SQ. FT. FOR GLASS TYPES 'B' & 'B1'

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-07/20/01
Expiration Date 3/20/19
By *Shahid Chaudhry*
Minimal Data Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 18-1220.08
Expiration Date 3/20/20
By *Shahid Chaudhry*
Minimal Data Product Control

SEP 15 2017



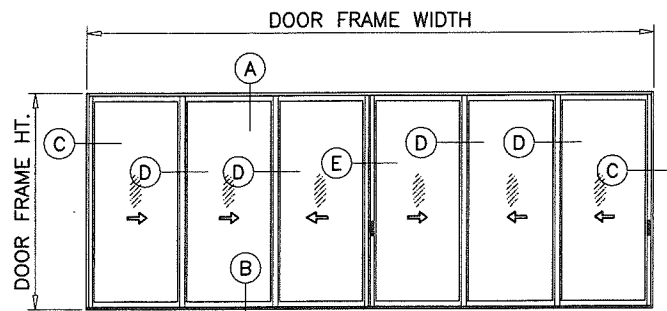
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W17-62ECO

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL 33166
TEL. (305) 885-5299 FAX (305) 885-5902

revisions:	no	date	by	description
	A	09.07.17		REV. PER RER COMMENTS

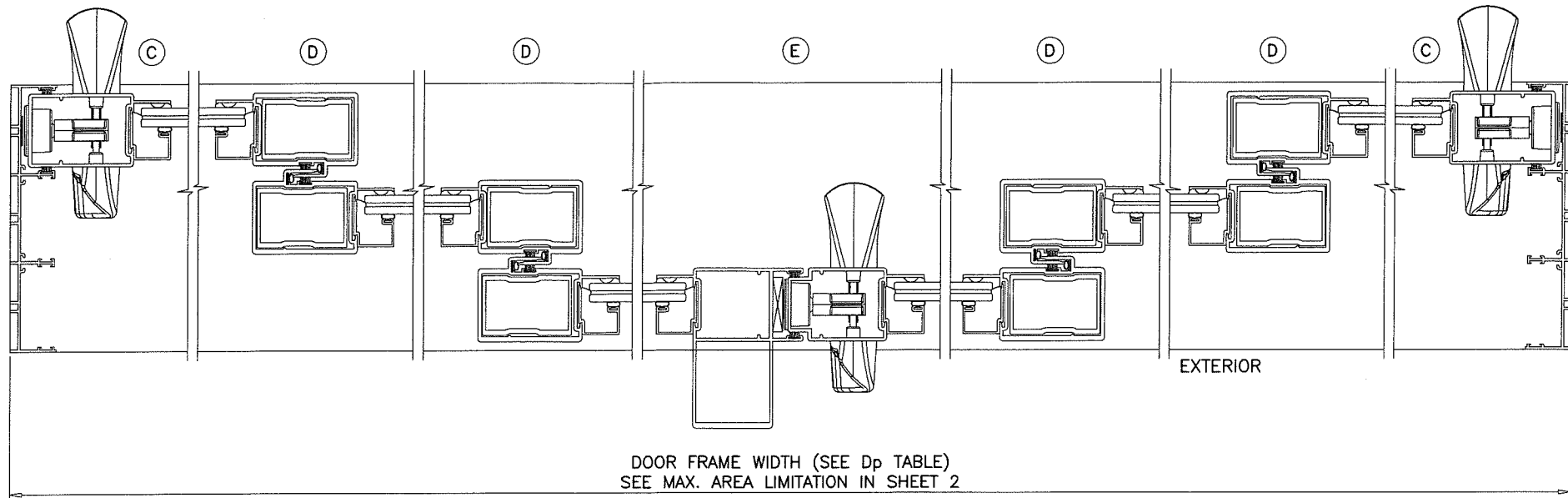
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dr. by: TARIQ
chk. by:

drawing no.
W17-62
sheet 2 of 13

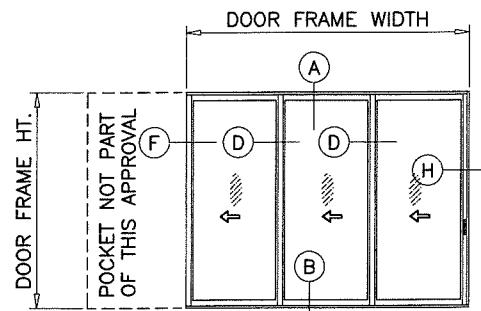


XXXXXX (SHOWN)
 OXXXXX
 OXXXXO

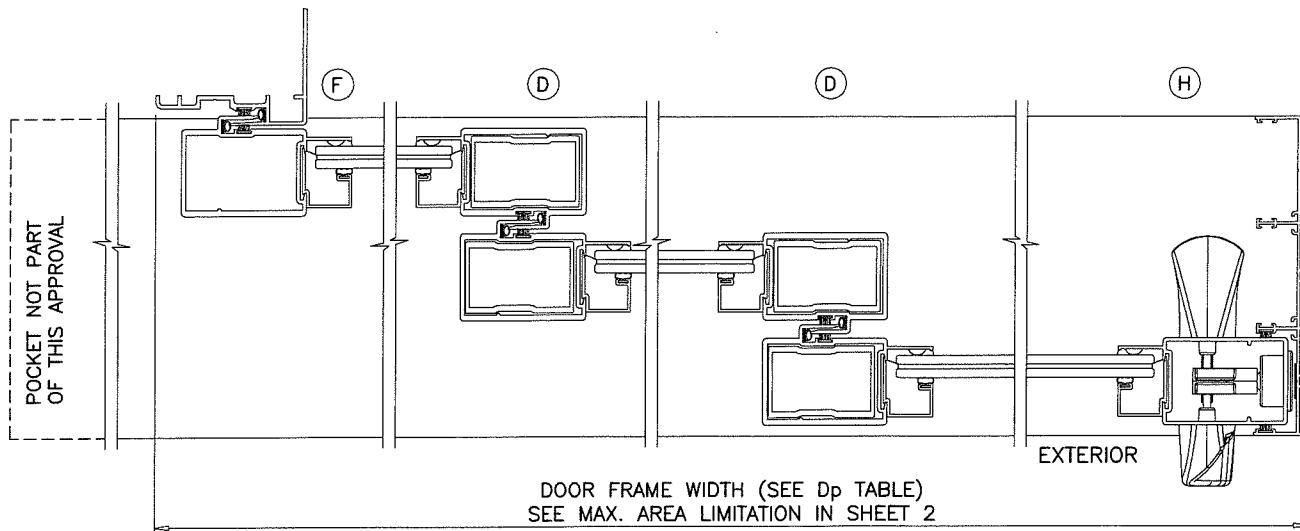
**APPROVED CONFIGURATIONS
 NON-POCKETED DOORS
 THREE (3) TRACKS**



- NOTE:
 1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
 2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 1.
 3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 9.

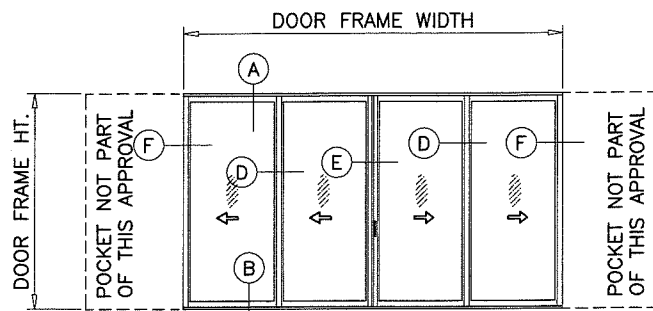


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 XXXP



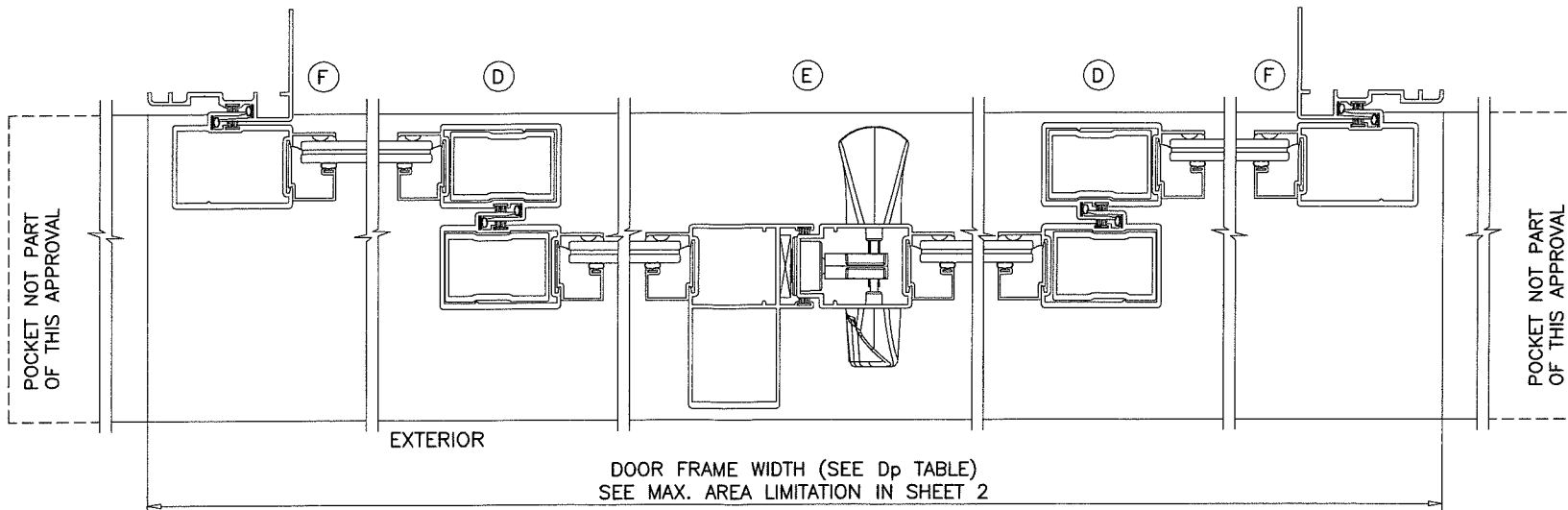
PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 18-1220-08
 Expiration Date 3/20/26
 By *[Signature]*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 17-0712-01
 Expiration Date 3/20/19
 By *[Signature]*
 Miami Dade Product Control

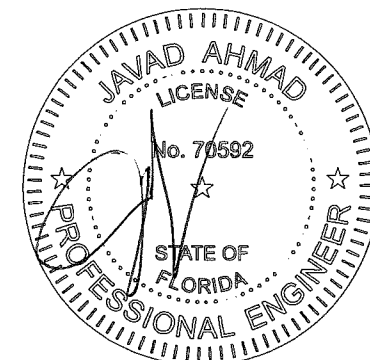


PXX-XXP (SHOWN)

**APPROVED CONFIGURATIONS
 POCKETED DOORS
 THREE (3) TRACKS**



SEP 15 2017



SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)

ECO WINDOW SYSTEMS, LLC.

8502 N.W. 80th STREET
 MEDLEY, FL 33166

TEL. (305) 885-5299 FAX (305) 885-5902

no	date	by description	REV. PER PER COMMENTS
1	08.07.17	A	

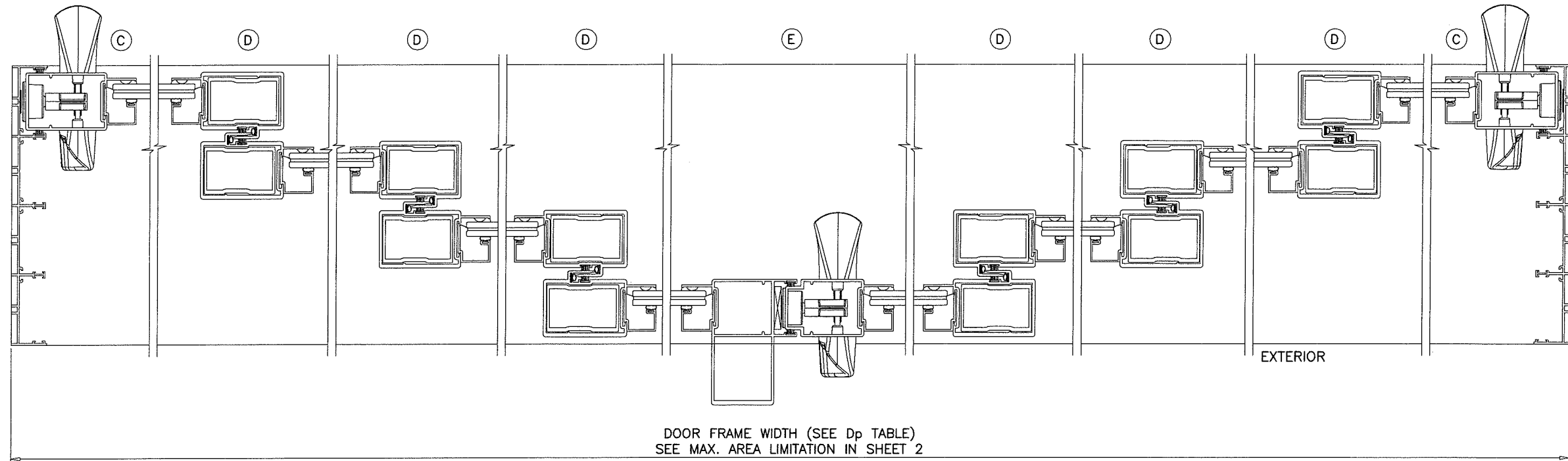
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 dr. by: TARIQ
 chk. by:

drawing no.

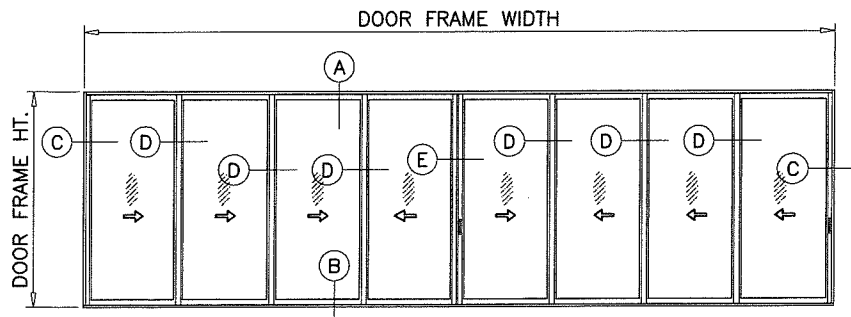
W17-62

sheet 3 of 13

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W17-62ECO



DOOR FRAME WIDTH (SEE Dp TABLE)
SEE MAX. AREA LIMITATION IN SHEET 2



XXXXXX (SHOWN)
OXXXXX
OXXXXO

**APPROVED CONFIGURATIONS
NON-POCKETED DOORS
FOUR (4) TRACKS**

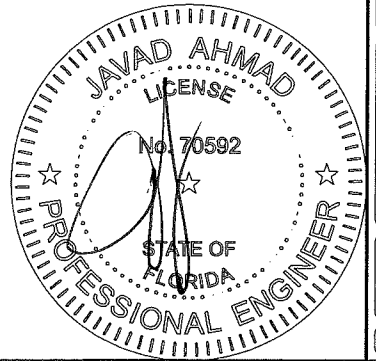
NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 9.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 18-1220-08
Expiration Date 3/20/24
By Ishag I. Chande
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-0712-01
Expiration Date 3/20/19
By Ishag I. Chande
Miami Dade Product Control

SEP 15 2017

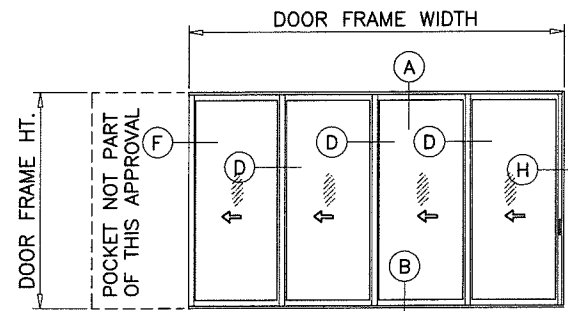


afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-9978
COMP-ANL \ W17-62ECO

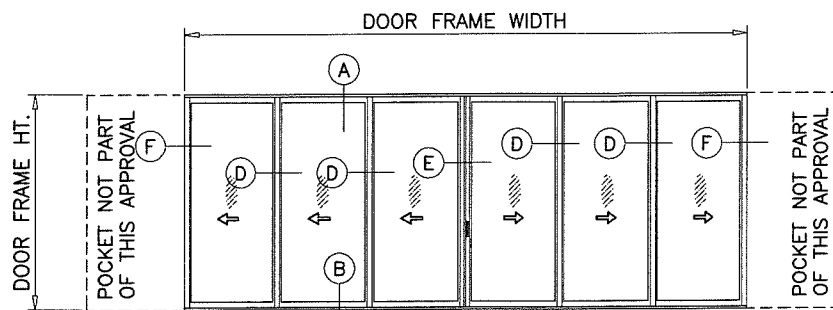
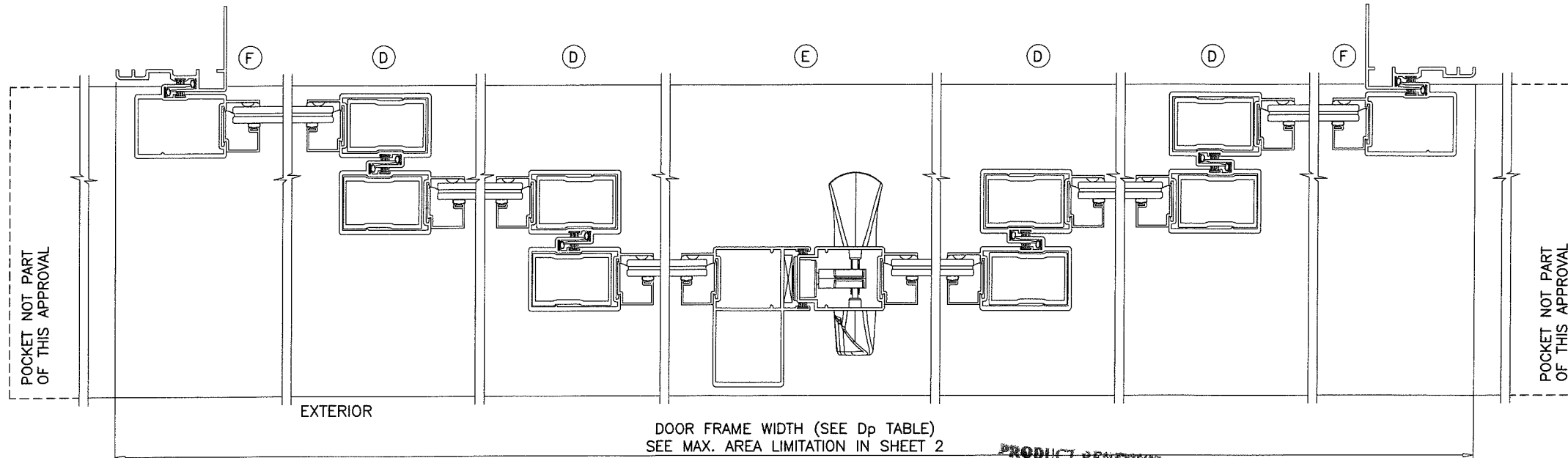
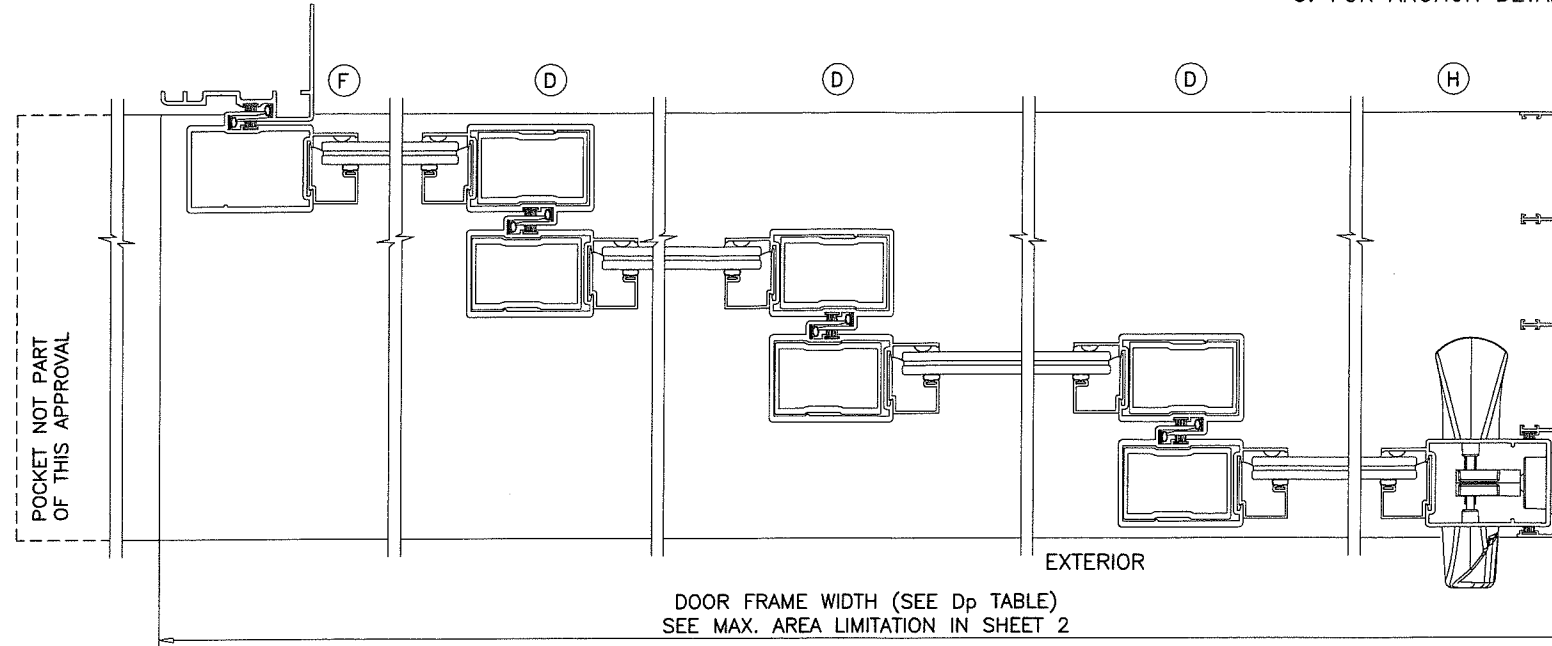
SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902

no	date	description	by	REV. PER	COMMENTS
A	09.07.17				

date:	06-27-17	scale:	-	dr. by:	TARIQ	chk. by:	
drawing no.	W17-62						
sheet	4 of 13						



PXXXX (SHOWN)
XXXXP



PXXX-XXXX (SHOWN)

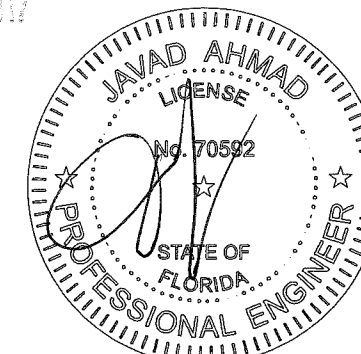
**APPROVED CONFIGURATIONS
POCKETED DOORS
FOUR (4) TRACKS**

NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 7 THRU 9.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 18-1220-08
Expiration Date 3/20/24
By *Shag I. Ahmad*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 17-0712-01
Expiration Date 3/20/19
By *Shag I. Ahmad*
Miami Dade Product Control



af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W17-62ECO

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902

revisions:		date:	description
no.	date	by	description
A	09.07.17		REV. PER RER COMMENTS

date:	06-27-17	scale:	-	dr. by:	TARIQ	chk. by:	
drawing no.	W17-62						
sheet	5 of 13						

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY ECO WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING (SEE POCKET HOOK ANCHORS IN SHEET 9)

AT HEAD

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
THRU 1BY OR 2BY BUCKS INTO CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED

1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(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)

AT SILL

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBED

AT JAMBS

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

THRU 1BY BUCKS INTO CONC. OR GROUT FILLED BLOCKS
1-1/4" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONC. OR GROUT FILLED BLOCKS
1-1/4" MIN. EMBED INTO CONC. OR GROUT FILLED BLOCKS

1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)
INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES
(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)

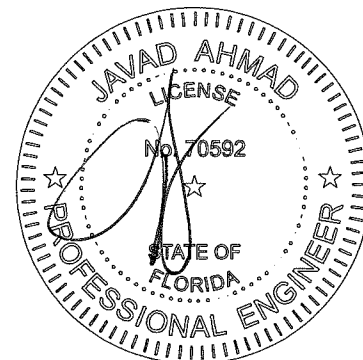
ANCHOR EDGE DISTANCES

INTO CONCRETE = 1" 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 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 18-1220-08
Expiration Date 3/20/24
By Javad Ahmad
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-0720-01
Expiration Date 3/20/19
By Javad Ahmad
Miami Dade Product Control



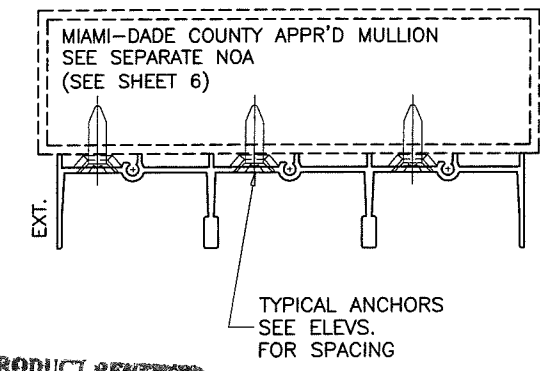
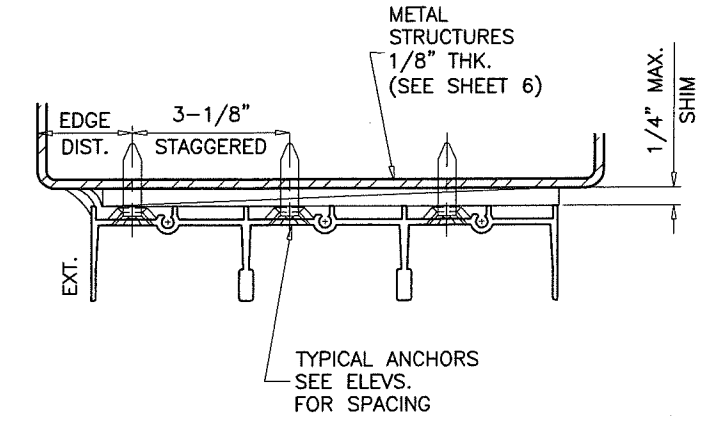
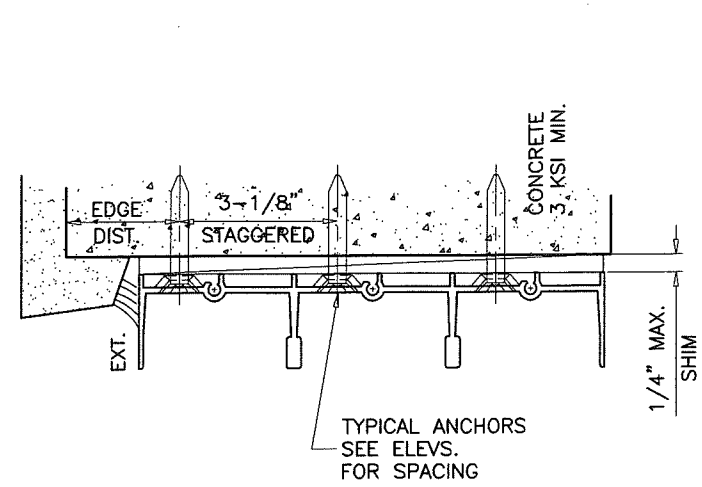
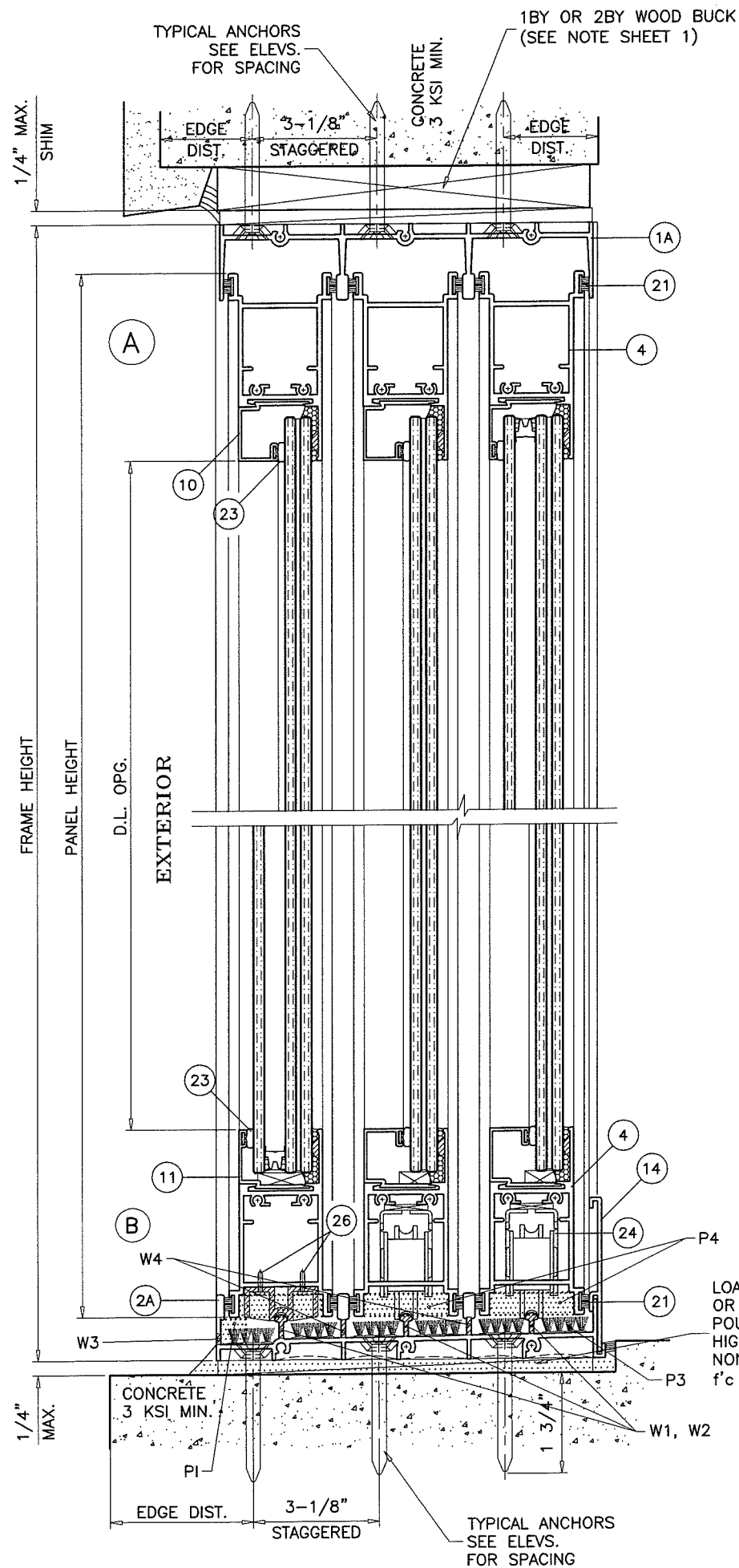
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W17-62ECO

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
8502 N.W. 80th STREET
MEDLEY, FL. 33166
TEL. (305) 885-5299 FAX (305) 885-5902

no	date	description	REV. PER	COMMENTS
A	09.07.17			

date: 06-27-17
scale: --
dr. by: TARIQ
chk. by:

drawing no.
W17-62
sheet 6 of 13



PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 18-1220-08
 Expiration Date 3/24/24
 By *Chang L. Han*
 Miami Dade Product Control

3-TRACKS SHOWN
 (SEE SHEET 10 FOR 4-TRACKS ANCHORS)

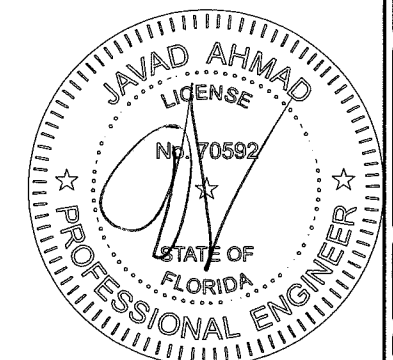
WEEPHOLES:

- W1 = 1-1/2" LONG NOTCH AT EACH END.
- W2 = 3/16" X 3/4" LONG WEEP NOTCH AT 22" FROM ENDS AND 36" O.C.
- W3 = 3/16" X 1" LONG WEEP NOTCH AT 5" FROM ENDS AND 36" O.C.
- W4 = 1/4" X 1" LONG WEEP NOTCH AT 5" FROM ENDS AND 36" O.C.

PILE PADS:

- P1 = OPEN CELL FOAM AT EACH WEEP HOLE LOCATION 1-1/16" LONG X 7/16" WIDE X 7/16" HIGH
- P2 = SELF ADHESIVE PILE PAD 1" X 3/8" X 1/4" HIGH
- P3 = SELF ADHESIVE PILE PAD WITH MULTI INTEGRAL FIN 2-1/2" X 1" X 3/8" HIGH
- P4 = OPEN CELL FOAM AT INTERLOCK & ASTRAGAL 2" LONG X 1-7/16" WIDE X 7/16" HIGH

PRODUCT REVISED
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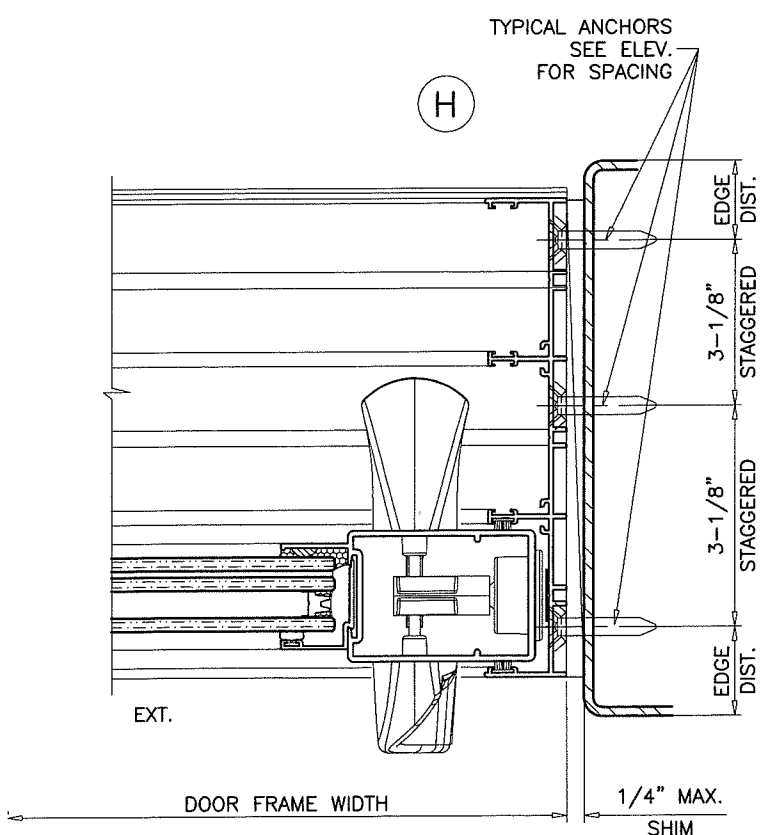
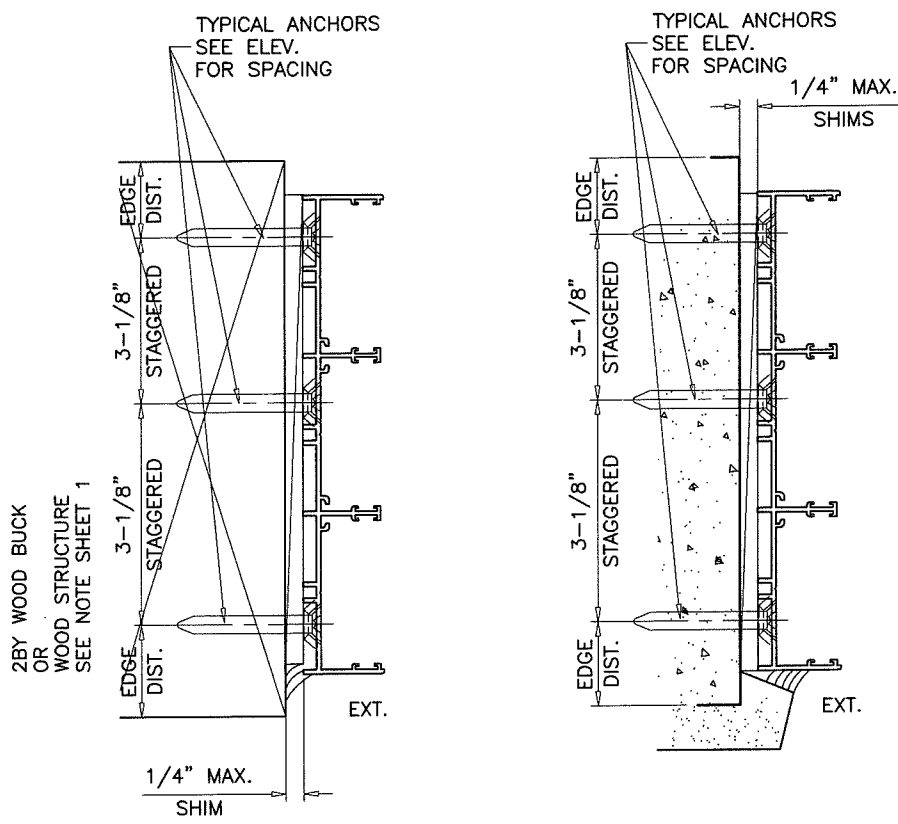
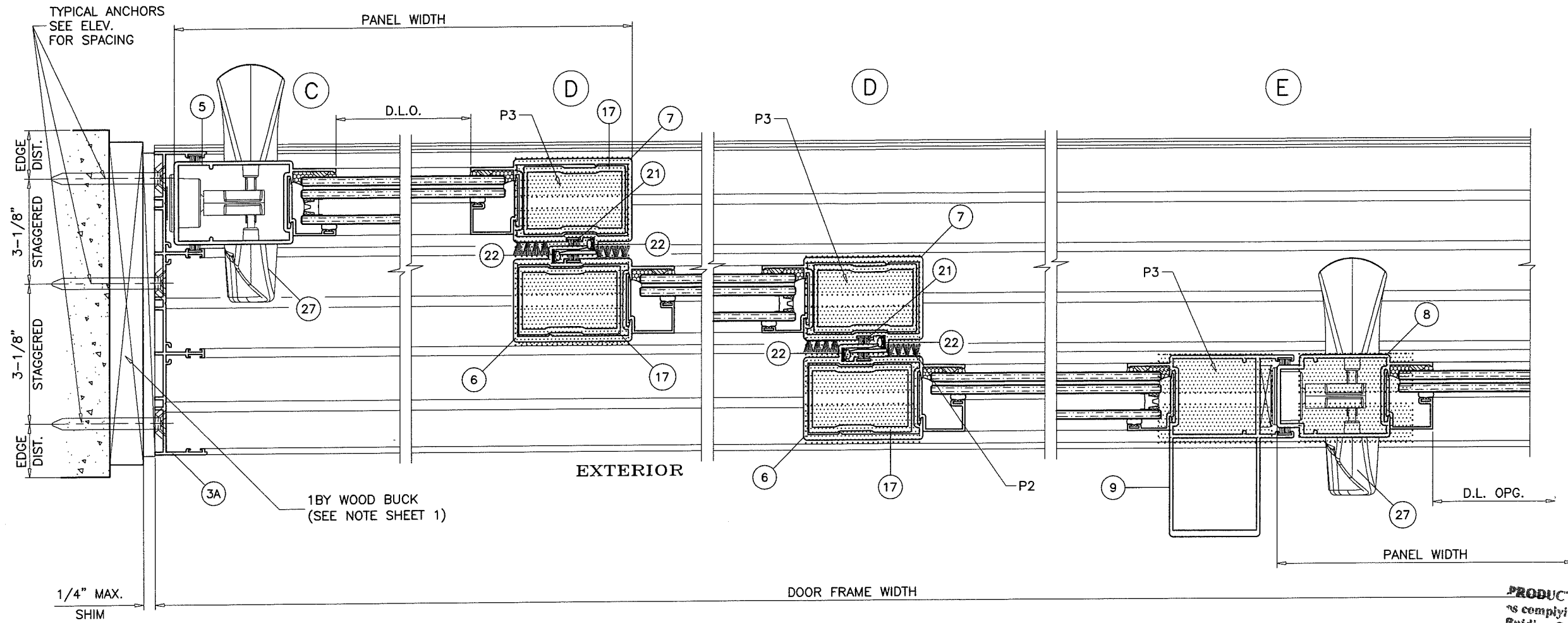
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W17-62ECO

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
 8502 N.W. 80th STREET
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revisions:	no.	date	by	description
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scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	

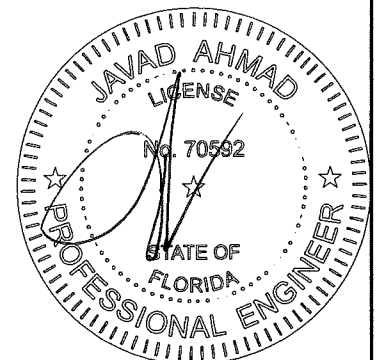
drawing no. **W17-62**
 sheet 7 of 13



PRODUCT RENEWAL
 as complying with the Florida
 Building Code
 Acceptance No 18-1220-08
 Expiration Date 3/20/24
 By Ishag L. Ahmad
 Miami Based Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 17-0712-01
 Expiration Date 3/20/19
 By Ishag L. Ahmad
 Miami Based Product Control

SEP 15 2017



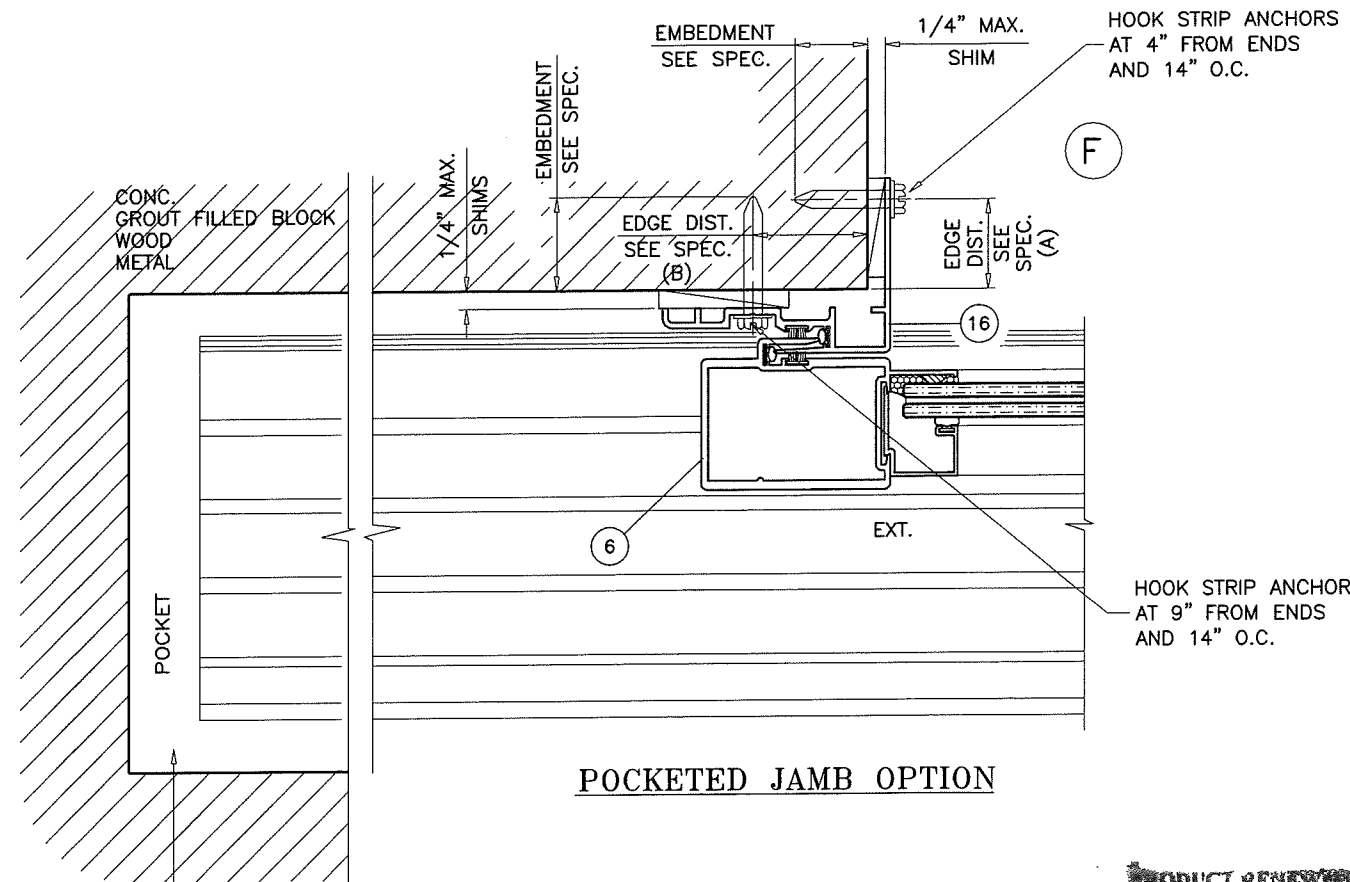
3-TRACKS SHOWN
 (SEE SHEET 10 FOR 4-TRACKS ANCHORS)

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3658)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W17-62ECO

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
 8502 N.W. 80th STREET
 MEDLEY, FL. 33166
 TEL. (305) 885-5299 FAX (305) 885-5902

revisions:	
no	date by description
A	09.07.17 REV. PER RER COMMENTS

date: 06-27-17
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:
 drawing no. **W17-62**
 sheet 8 of 13



POCKET CAVITY NOT BY 'ECO WDW.'
NOT PART OF THIS NOA
TO BE REVIEWED BY AHJ

POCKETED JAMB OPTION

HOOK STRIP ANCHORS
AT 4" FROM ENDS
AND 14" O.C.

F

HOOK STRIP ANCHORS
AT 9" FROM ENDS
AND 14" O.C.

HOOK STRIP ANCHORS:

- #14 SMS** (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
- 1/4" DIA. ULTRACON BY 'ELCO'** (Fu=177 KSI, Fy=155 KSI)
THRU 1BY BUCKS INTO CONC. OR FILLED BLOCKS
1-1/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS
DIRECTLY INTO CONC. OR FILLED BLOCKS
1-1/4" MIN. EMBED INTO CONC. OR FILLED BLOCKS
- 1/4" DIA. TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)
INTO METAL STRUCTURES
(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)

ANCHOR EDGE DISTANCES

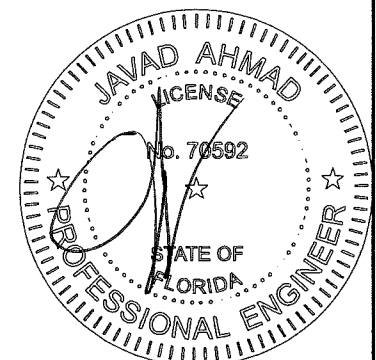
- INTO CONCRETE OR BLOCKS = 1-1/4" MIN. (A)
= 1-5/8" MIN. (B)
- INTO WOOD STRUCTURE = 1" MIN.
- INTO METAL STRUCTURE = 3/4" MIN.

- WOOD AT JAMBS SG = 0.55 MIN.
- CONCRETE AT JAMBS f'c = 3000 PSI MIN.
- C-90 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 18-1220-08
Expiration Date 3/20/24
By *Ishtay I. Ahmad*
Miami Trade Product Control

PRODUCT REVIEWED
as complying with the Florida
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Acceptance No. 17-0712-01
Expiration Date 3/20/19
By *Ishtay I. Ahmad*
Miami Trade Product Control

SEP 13 2017



SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)

ECO WINDOW SYSTEMS, LLC.

8502 N.W. 80th STREET
MEDLEY, FL. 33166

TEL. (305) 885-5299 FAX (305) 885-5902

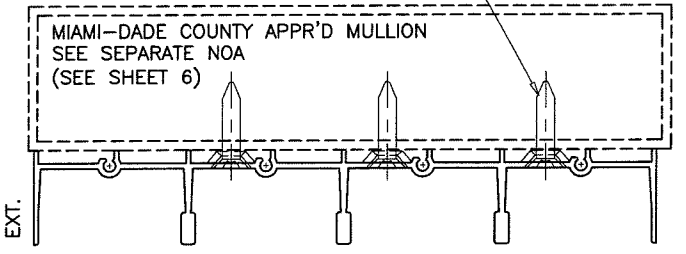
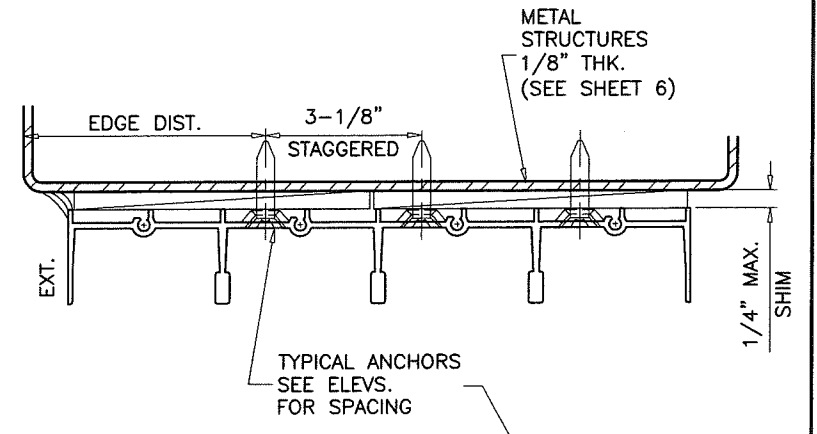
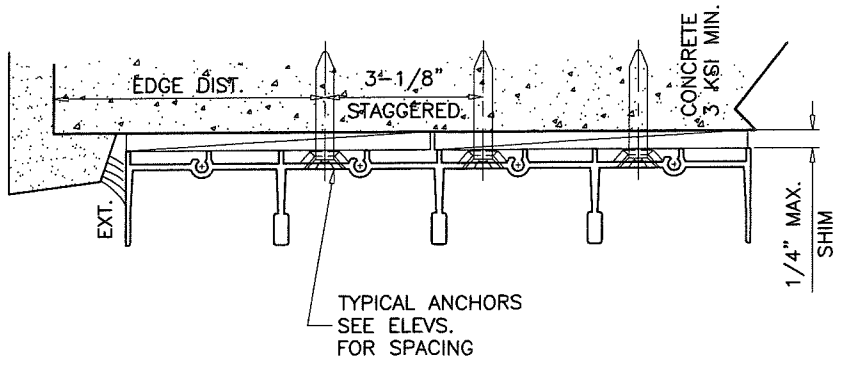
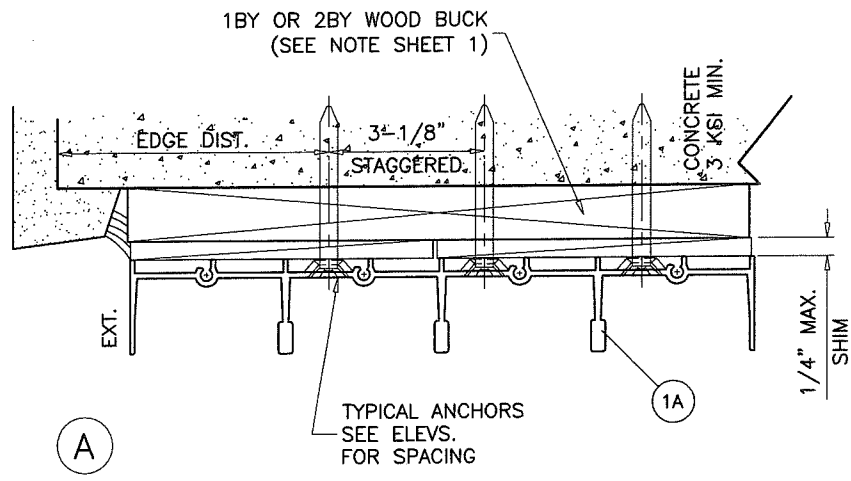
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date: 06-27-17
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dr. by: TARIQ
chk. by:

drawing no.
W17-62

sheet 9 of 13

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W17-62ECO



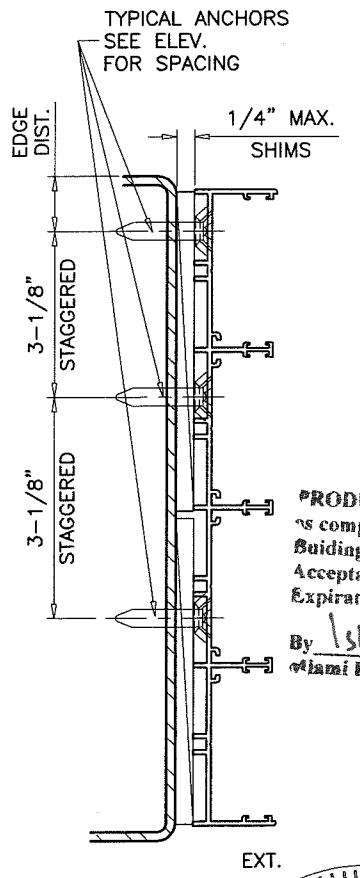
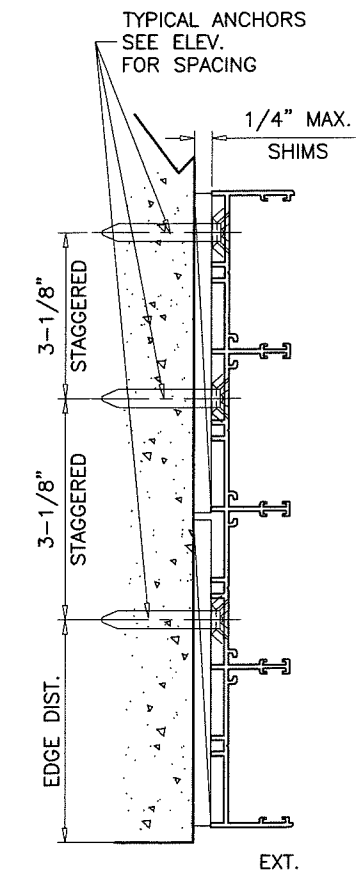
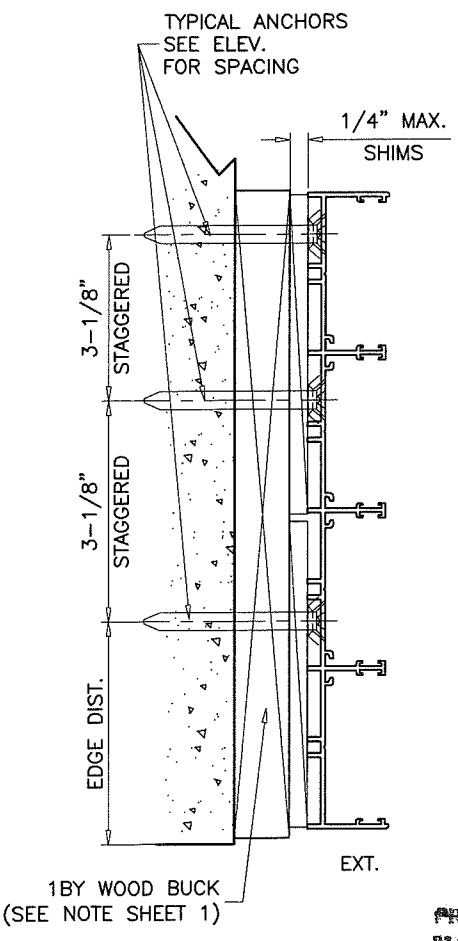
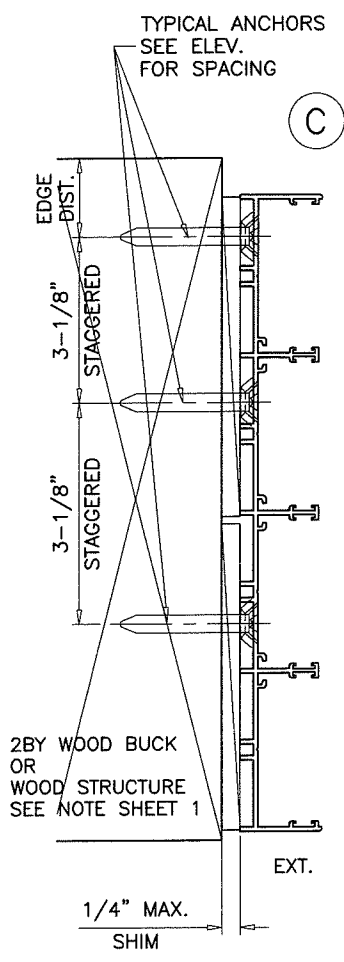
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1A

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

MIAMI-DADE COUNTY APPR'D MULLION
SEE SEPARATE NOA
(SEE SHEET 6)



C

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

2BY WOOD BUCK
OR
WOOD STRUCTURE
SEE NOTE SHEET 1

1BY WOOD BUCK
(SEE NOTE SHEET 1)

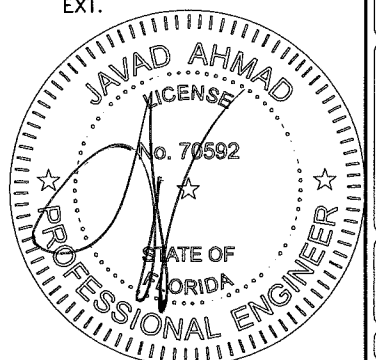
PRODUCT REVIEW
as complying with the Florida
Building Code
Acceptance No 18-1220-08
Expiration Date 3/20/25
By Ishag I. Chant
Miami Dade Product Control

B

TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

PRODUCT REVIEW
as complying with the Florida
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Acceptance No 17-0712-01
Expiration Date 3/20/19
By Ishag I. Chant
Miami Dade Product Control

SEP 15 2017



4 TRACK FRAMES
ANCHOR LOCATIONS

a f c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
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SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
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revisions:	no	date	by	description
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date:	06-27-17
scale:	3/8" = 1"
dr. by:	TARIQ
chk. by:	

drawing no.	W17-62
sheet	10 of 13

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1A	E723	1	FRAME HEAD (3 TRACK)	6005-T5	-
1B	E720	1	FRAME HEAD (4 TRACK)	6005-T5	-
2A	E724	1	FRAME SILL (3 TRACK)	6005-T5	-
2B	E721	1	FRAME SILL (4 TRACK)	6005-T5	-
3A	E725	2	FRAME JAMB (3 TRACK)	6063-T6	-
3B	E722	2	FRAME JAMB (4 TRACK)	6063-T6	-
4	E704	2/ PANEL	PANEL TOP AND BOTTOM RAIL	6063-T6	-
5	E705	AS RQD.	PANEL LOCK STILE	6063-T6	-
6	E706	AS REQD.	PANEL OUTER INTERLOCK	6063-T6	-
7	E707	AS REQD.	PANEL INNER INTERLOCK	6063-T6	-
8	E708	AS REQD.	PANEL MALE ASTRAGAL	6063-T6	-
9	E709	AS REQD.	PANEL FEMALE ASTRAGAL	6063-T6	-
10	E710	AS REQD.	GLAZING BEAD 7/16" LAMINATED GLASS	6063-T6	-
11	E711	AS REQD.	GLAZING BEAD 1" INSULATED GLASS	6063-T6	-
14	E714	AS REQD.	2-3/4" SILL RISER	6063-T6	-
15	E715	AS REQD.	FIXED PANEL CLIP (CONTINUOUS)	6063-T6	-
16	E729	AS REQD.	HOOK STRIP	6063-T6	-
17	E717	AS REQD.	INTERLOCK STIFFENER (FULL PANEL LENGTH)	6063-T6	-
18	#10 X 3/4" HWH SMS	AS REQD.	FRAME ASSY. SCREWS	ST. STEEL	-
18A	#10 X 1" FH SMS	AS REQD.	PANEL ASSY. SCREWS	ST. STEEL	-
19	#8 X 1/2" PH SMS	2/CLIP	FIXED PANEL CLIP SCREWS	ST. STEEL	AT 3" FROM ENDS & 16" O.C.
20	#10 X 1-1/4" PH SMS	1/ ROLLER	ROLLER INST. SCREWS	-	NOT SHOWN
21	WEATHERSTRIP	AS REQD.	FRAME AND PANEL WEATHERSTRIP	-	FIN SEAL .190 HIGH BY ULTRAFAB
22	E235	AS REQD.	INTERLOCK BUMPER BULB	SANTOPRENE	ULTRAFAB
23	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB, DUROMETER 65±5
24	PRO3-6005	2/ MOV. PANEL	TANDEM NYLON WHEELS IN ST. STEEL HOUSING	-	INTERLOCK (1/2" MTG. SPACER REQD.)
25	E718	2/PANEL	FIXED PANEL SKATE	DELTRIN	-
26	#8 X 1/2" PH SMS	2/CLIP	FIXED PANEL SKATE INST. SCREWS	ST. STEEL	-
27	-	AS REQD.	3 PLY DUAL POINT LOCK ASSEMBLY	-	BY INTERLOCK
28	-	AS REQD.	BUMPON (SILICONE SPACER)	SILICONE	BY FRANK LOWE
29	-	AS REQD.	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A

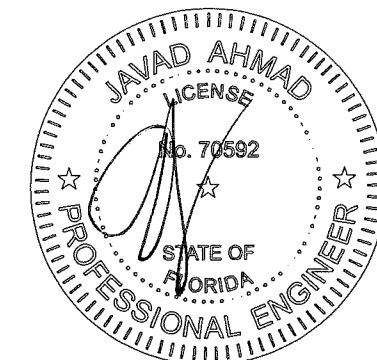
SEALANT:

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

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 18-1220-08
 Expiration Date 3/20/24
 By: *Shahid Chaudhry*
 Manufacturer Product Control

PRODUCT REVISED
 as complying with the Florida
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 Manufacturer Product Control

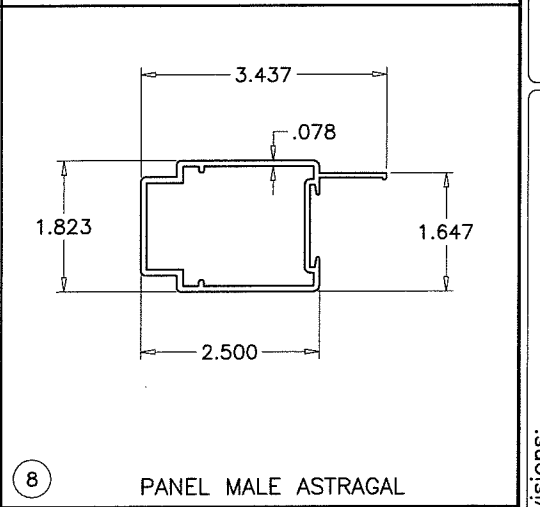
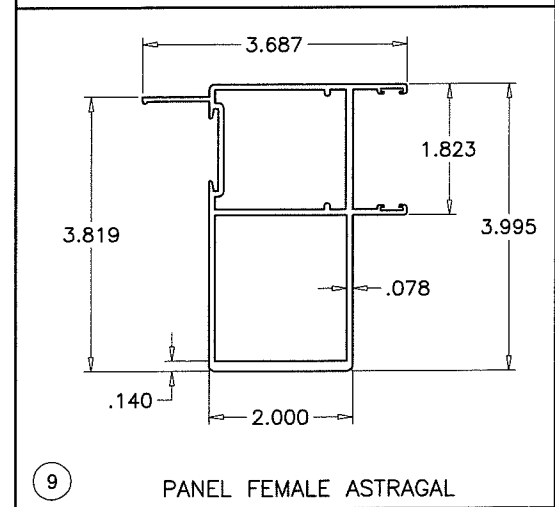
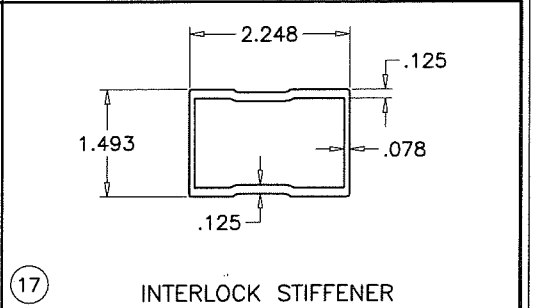
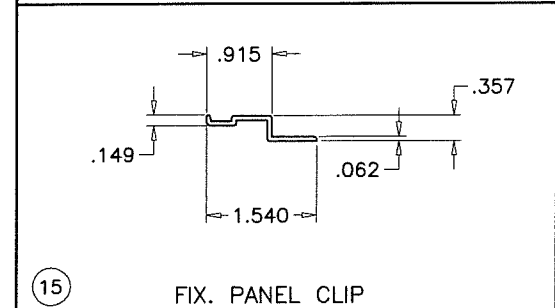
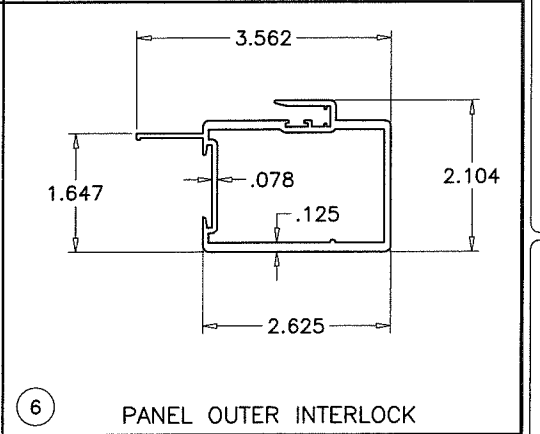
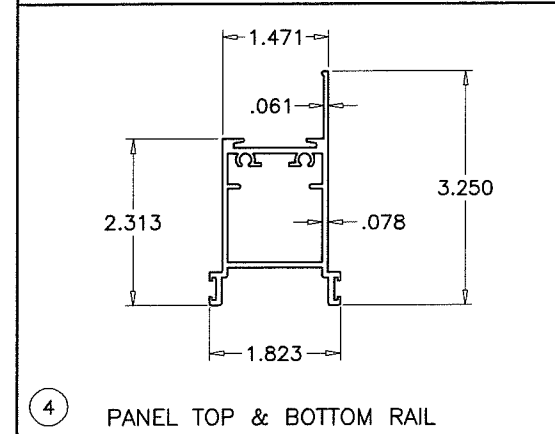
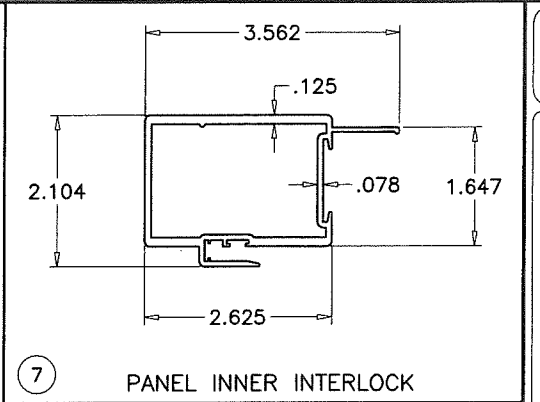
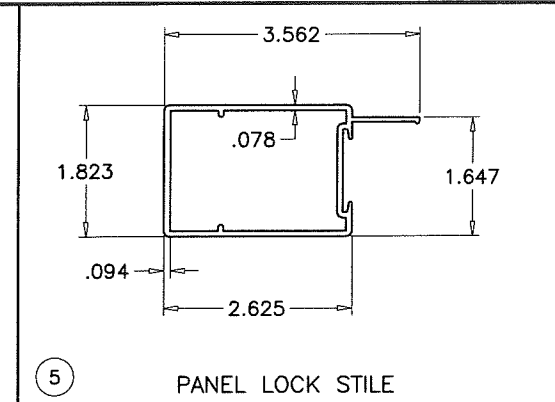
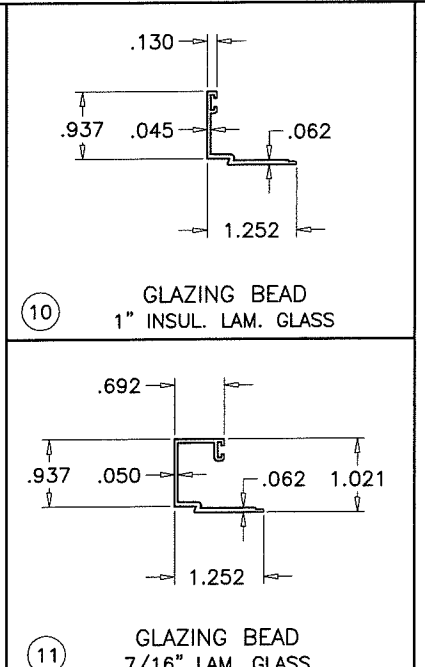
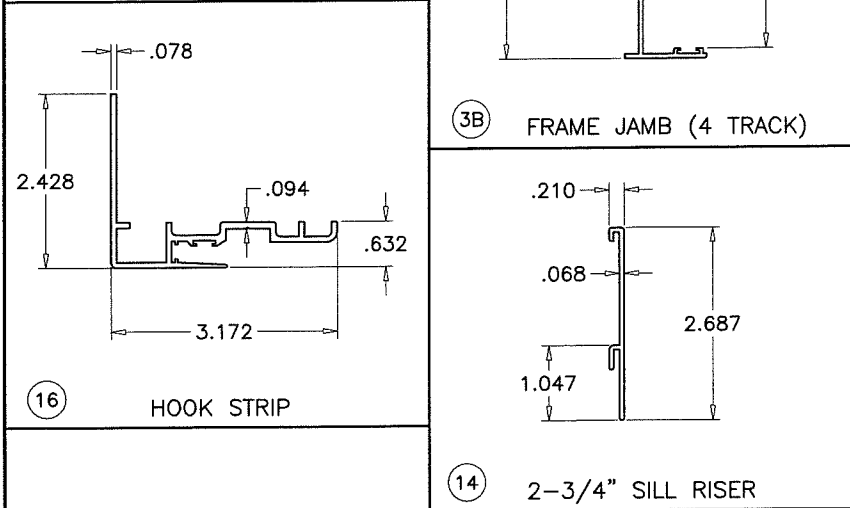
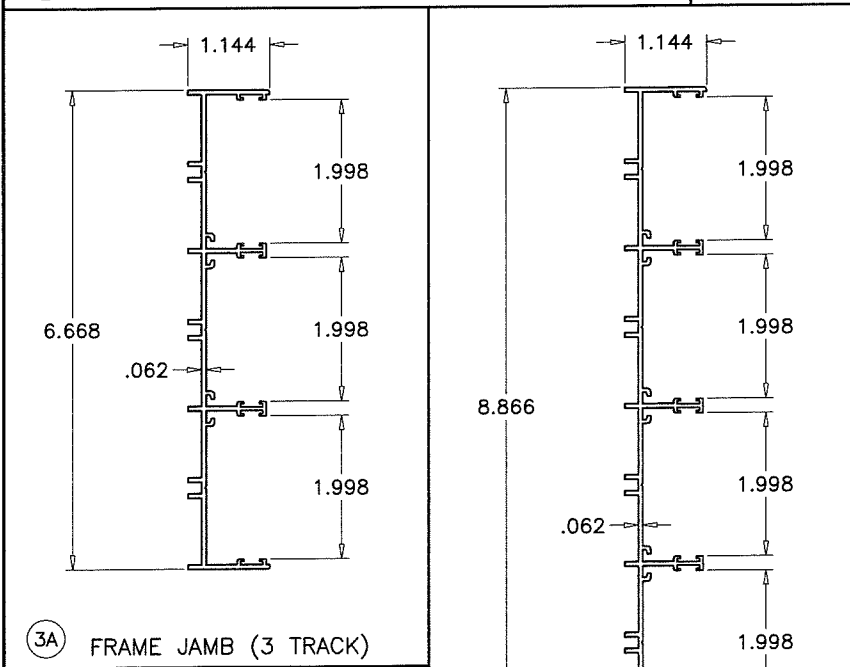
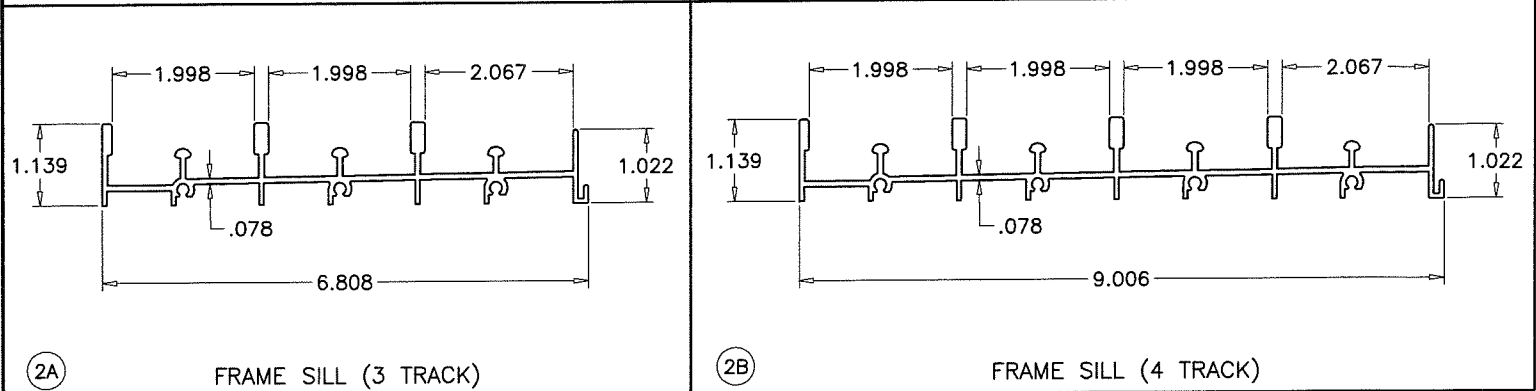
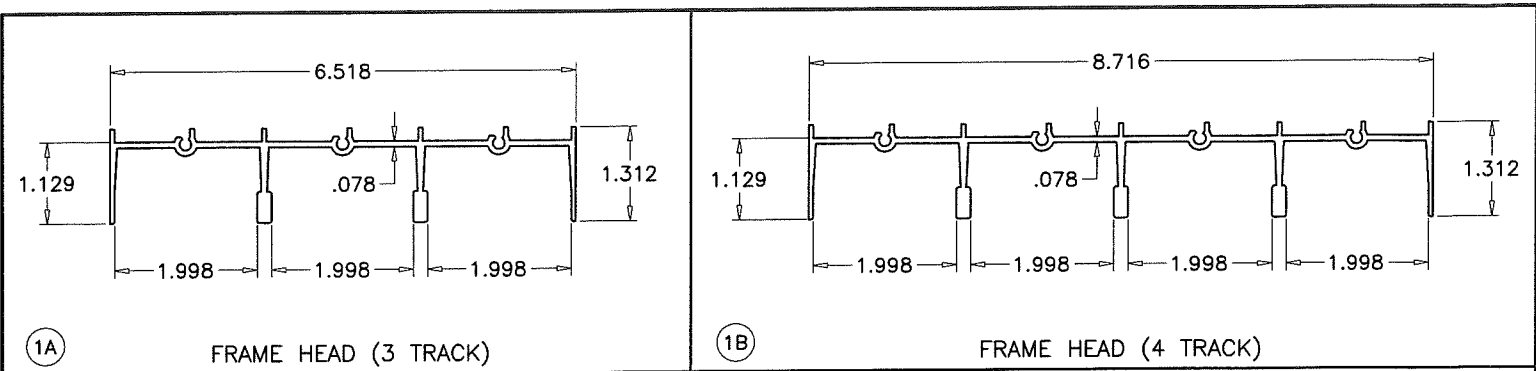
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 COMP-ANL\W17-62ECO

SERIES-700-3 ALUM SLIDING GLASS DOOR (L.M.I.)
ECO WINDOW SYSTEMS, LLC.
 8502 N.W. 80th STREET
 MEDLEY, FL. 33166
 TEL. (305) 885-5299 FAX (305) 885-5902

date: 06-27-17	revisions:	no date	by description
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dr. by: TARIQ			
chk. by:			
drawing no. W17-62			
sheet 11 of 13			



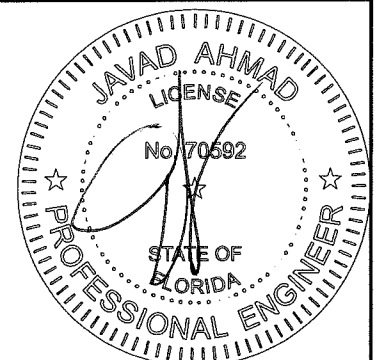
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 18-1220-08 Expiration Date 3/20/24

By E. Ishmael Ahmad Miami Dade Product Control

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 17-0712-01 Expiration Date 3/20/19

By E. Ishmael Ahmad Miami Dade Product Control

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no	date	by	description
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revisions:

date: 06-27-17

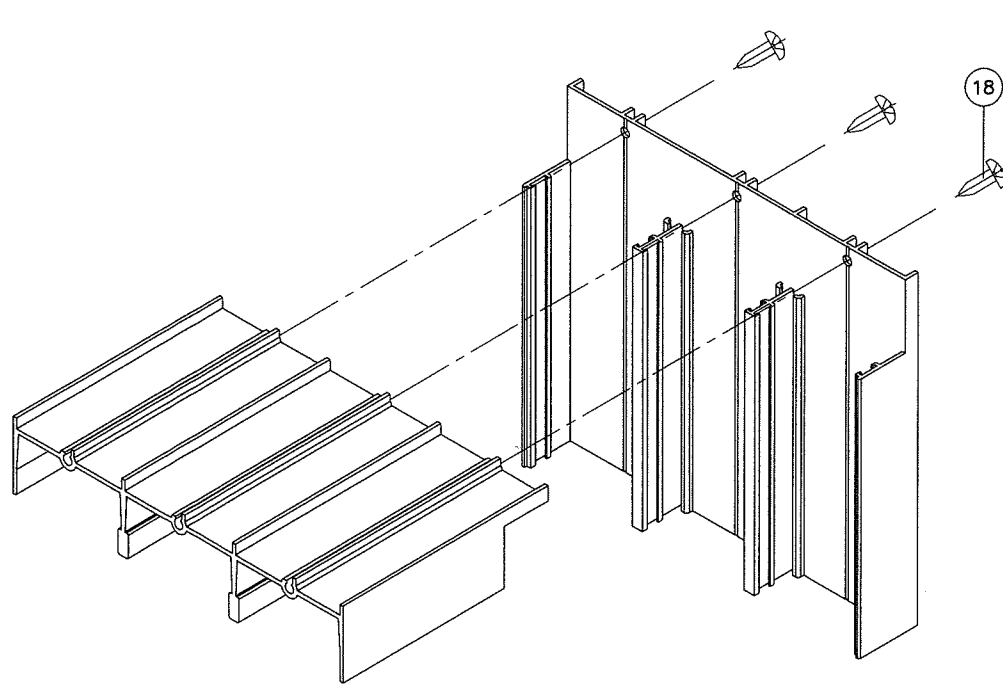
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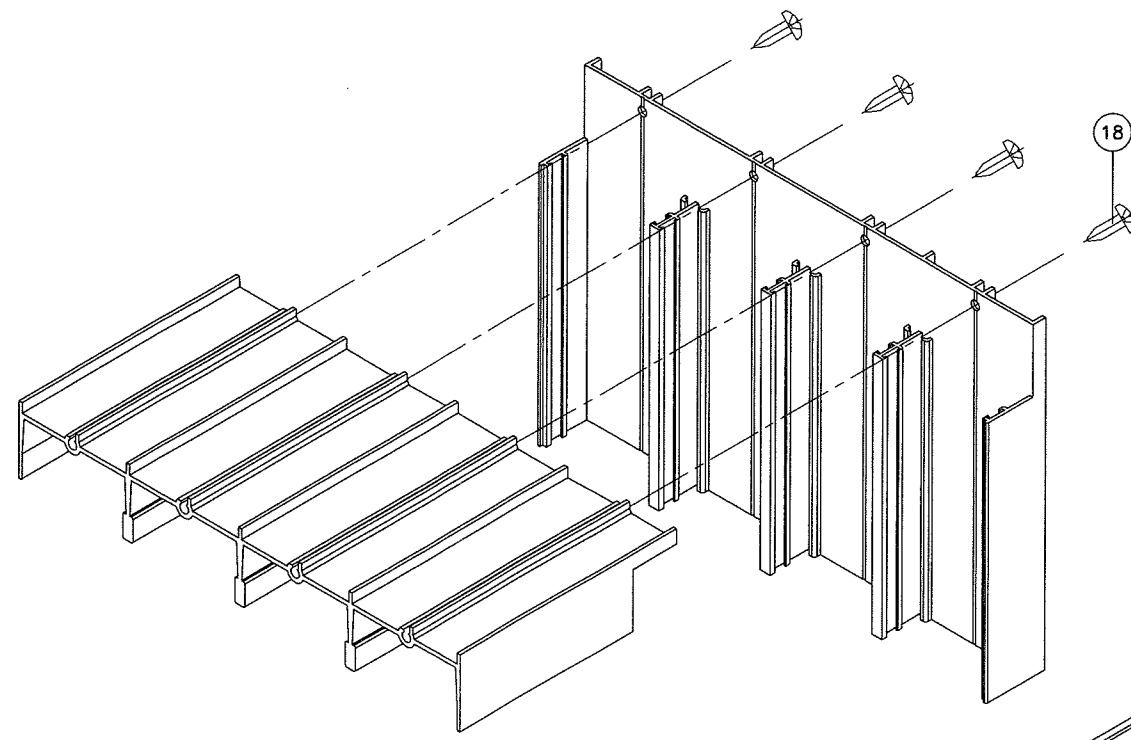
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drawing no. **W17-62**

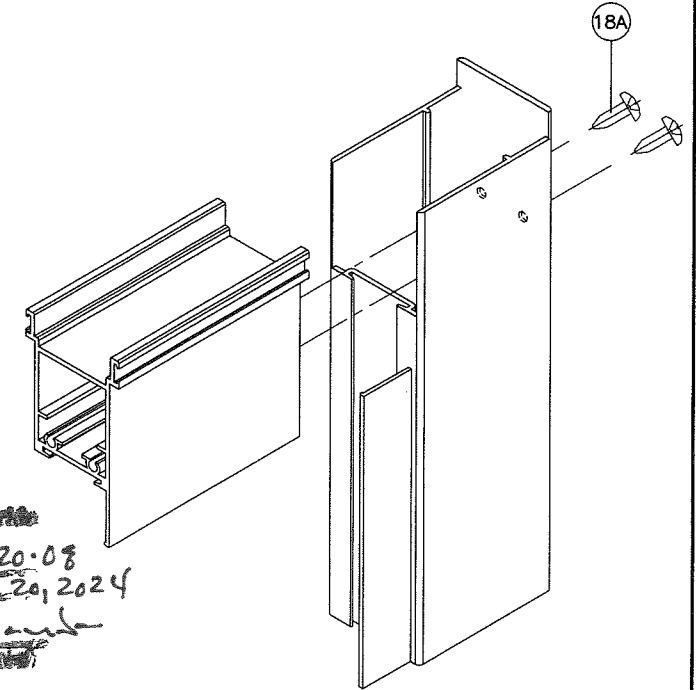
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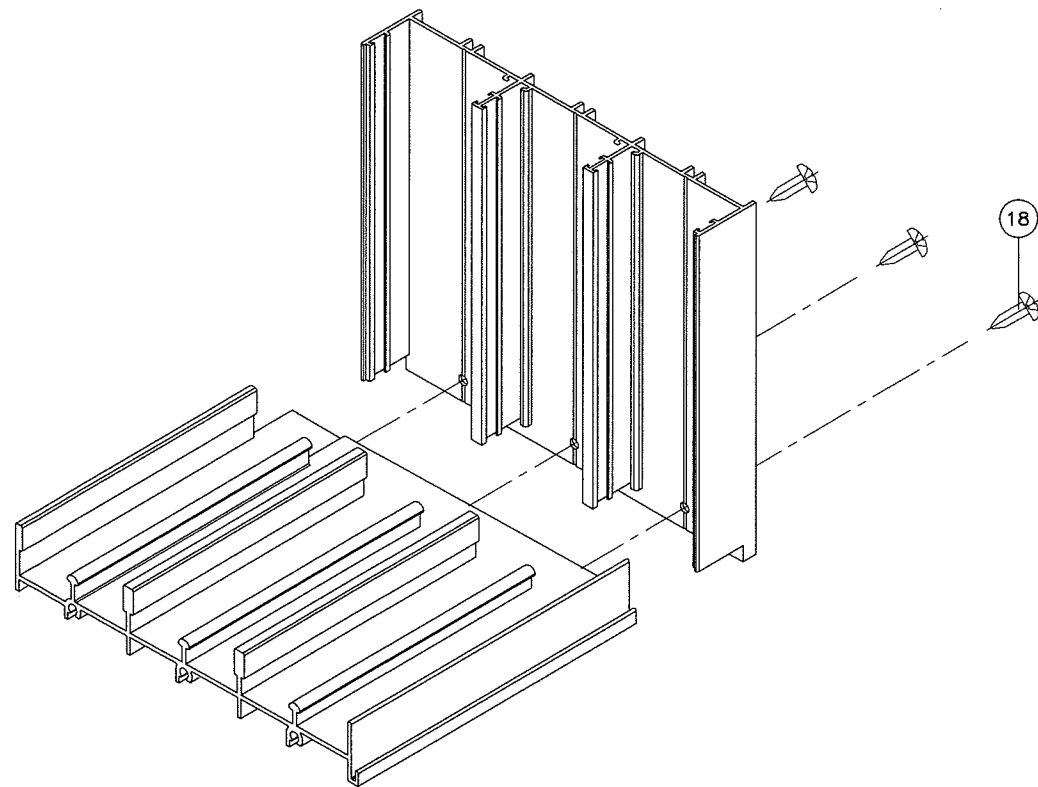
3 TRACK FRAMES TOP CORNER



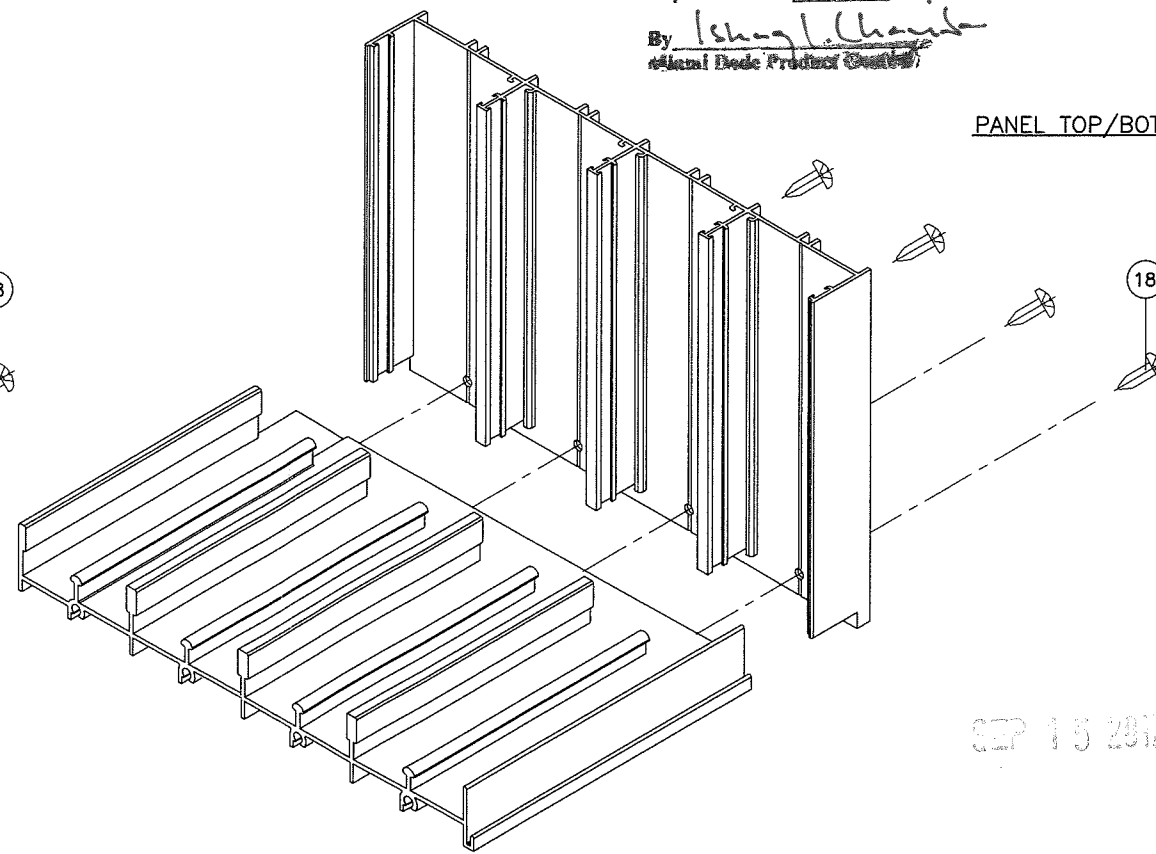
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PANEL TOP/BOTTOM CORNER



3 TRACK FRAMES BOTTOM CORNER

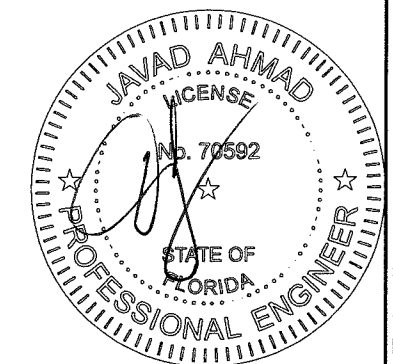


4 TRACK FRAMES BOTTOM CORNER

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 18-1220-08
 Expiration Date MAR 20, 2024
 By Ishag L. Chaudhry
 Miami Code Product Control

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 17-0712-01
 Expiration Date MAR 20, 2019
 By Ishag L. Chaudhry
 Miami Code Product Control

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 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
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	A	09.07.17		NO CHANGE THIS SHEET

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dr. by:	TARIQ
chk. by:	

drawing no.	W17-62
sheet	13 of 13