MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

RC Home Showcase, Inc.
16115 NW 52nd Avenue
Miami Gardens, Fl. 33014

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 "HS-660" Aluminum Single Hung Window – S.M.I.

APPROVAL DOCUMENT: Drawing No. **14-403**, titled "Series HS660 Alum. Single Hung Windows (S.M.I.)", sheets 01 through 08 of 08, dated 12/02/14 with the latest revision dated 03/19/15, prepared by Eastern Engineering Group Company, signed and sealed by Gonzalo A. Paz, P. E., bearing the Miami-Dade County Product Control Section 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 **Jaime D. Gascon, P.E.**

MIAMI-DADE COUNTY APPROVED

3/23/15

RC Home Showcase, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **14–403**, titled "Series HS660 Alum. Single Hung Windows (S.M.I.)", sheets 01 through 08 of 08, dated 12/02/14 with the latest revision dated 03/19/15, prepared by Eastern Engineering Group Company, signed and sealed by Gonzalo A. Paz, P.E.

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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) Drop Load Test, per CPCS 16 CFR 1201 (Cat 11)
   7) Safety Performance Test, (class A) per ANSI Z97.1
   8) Determination of Operating Force per ASTM E 2068–00 (2008)
   9) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94 and per ASTM F 588, Type "A", Grade 10

   along with marked–up drawings and installation diagram of single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL–7902**, dated 11/06/14, signed and sealed by Idalmis Ortega, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 12/02/14, prepared by Eastern Engineering Group Company, revised date 03/09/15, signed and sealed by Gonzalo A. Paz, P. E.
2. **Glazing complies with ASTM E1300–04/ 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.** for their **"Kuraray SentryGlas® Interlayer"** dated 05/02/15, expiring on 01/14/17.
2. Teknor Apex Part No. **Sarlink TPV 5775B EPDM exterior glazing gasket** complying with ASTM D 792—Specific Gravity SG=0.93, ASTM D412—Tension of 1230 PSI, ASTM D395B—22 HRS 158°F, ASTM D 624—200 lb./ in., ASTM D 2240—Hardness Shore A 72 Durometer, ASTM D 573—1000 HRS 275°F, ASTM D 471—70 HRS 257°F and ASTM D 3835—3.0 HRS 180°F.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14–1118.04
Expiration Date: April 02, 2020
Approval Date: April 02, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, issued by Eastern Engineering Group Company, dated 03/19/15, signed and sealed by Gonzalo A. Paz, P. E.
2. Statement letter of no financial interest, issued by Eastern Engineering Group Company, dated 12/02/14, signed and sealed by Gonzalo A. Paz, P. E.
3. Laboratory compliance letter for Test Report No. **FTL–7902**, issued by Fenestration Testing Laboratory, Inc., dated 11/06/14, signed and sealed by Idalmis Ortega, P.E.
4. Department of State Certification of **RC HOME SHOWCASE, INC.** as a for profit corporation, active and organized under the laws of the State of Florida, dated February 25, 2015 and filed at the Secretary of State.
5. Proposal issued by the Product Control, dated March 27, 2014, signed by Jaime D. Gascon, P. E.

G. OTHERS

1. None.

Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14–1118.04
Expiration Date: April 02, 2020
Approval Date: April 02, 2015

GENERAL NOTES

1. THIS WINDOWS SYSTEM IS DESIGNED AND TESTED TO COMPLY W/ THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE VELOCITY (HVHZ) AND ASTM 1300-09 **THESE WINDOWS ARE RATE FOR SMALL MISSILE IMPACT. (SHUTTERS ARE NOT REQUIRED FOR INSTALLATION ABOVE 30 FT. OF GRADE)**
2. ANCHORS SHOWN IN DRAWINGS ARE AS PER TEST UNITS. ANCHORS ON ALL PANEL SIZES ARE NOT TO EXCEED THESE MAXIMUM SPACING ON CENTER (O.C.) AND AS TABULATED ON SHEET 3
3. ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWING'S ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER A SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
4. LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
5. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
6. GLASS PANEL TO BE LAMINATED GLASS 9/16" NOMINAL, COMPOSED OF (2) " HEAT STRENGTHENED GLASS WITH 0.035" KURARAY SENTRYGLAS INTERLAYER FILM BY KURARAY AMERICA, INC.
7. EXT. & INT. FALSE MOUNTINGS ARE OPTIONAL & AND TO BE APPLIED W/ SILICONE.
8. ALL METAL/STEEL IN CONTACT WITH ALUMINUM OR OTHER DISSIMILAR MATERIALS TO BE PAINTED OR PLATED AND SHALL MEET THE FLORIDA BLDG. CODE.
9. SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
10. USE RATING GREATER THAN DESIGN LOADS REQUIRED
11. LOWER DESIGN PRESSURES FROM MULLION OR WINDOW CHARTS WILL APPLY TO ENTIRE SYSTEM.
12. EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE WINDOW OR WINDOW WALL SYSTEM. ENGINEER ON RECORD OF THE BUILDING SHALL VERIFY THE STRUCTURE FOR SUCH LOADINGS.
13. SYSTEM COMPLIES WITH REQUIREMENTS OF ANSI Z-97.1

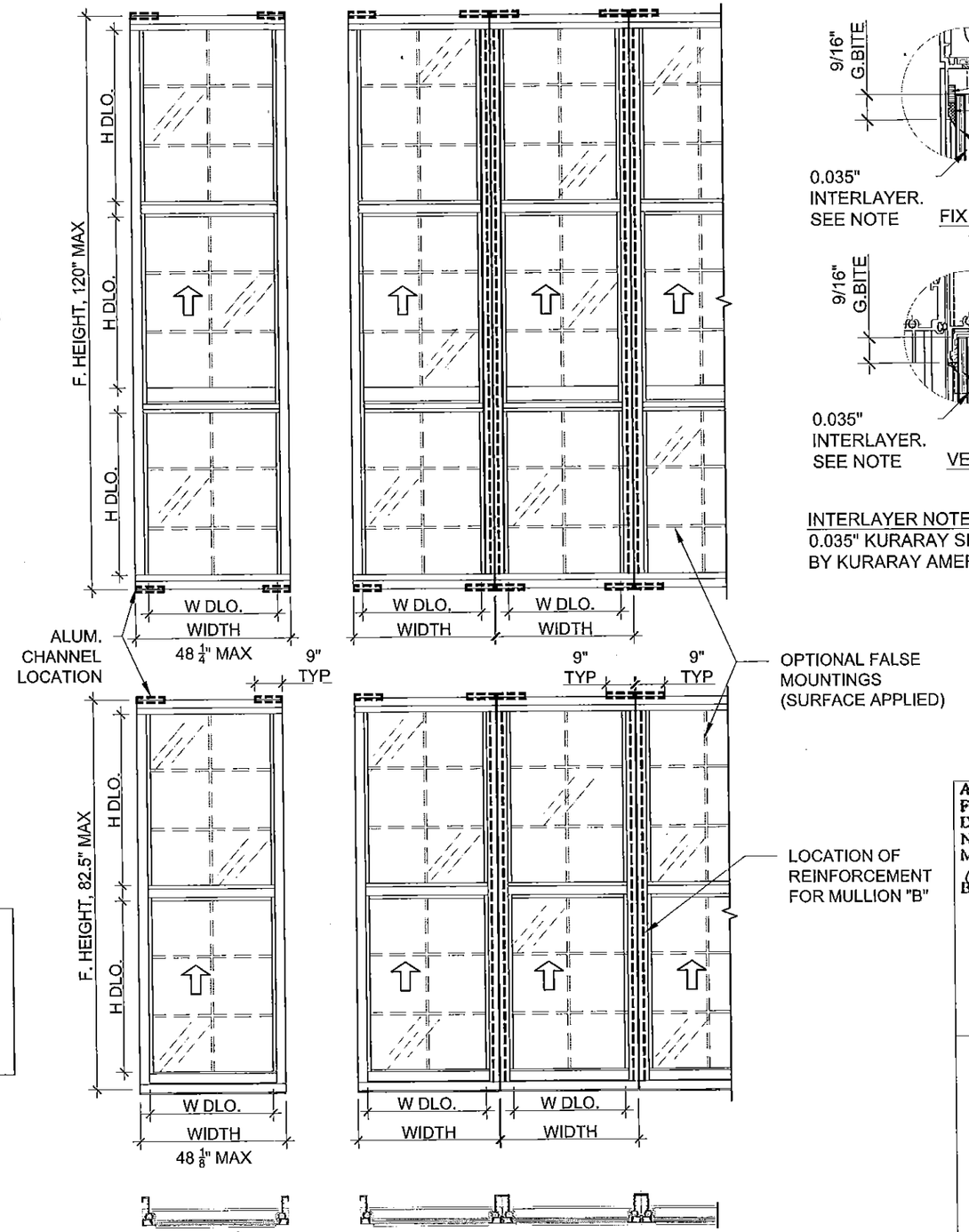
DESIGN SEQUENCE

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG, HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

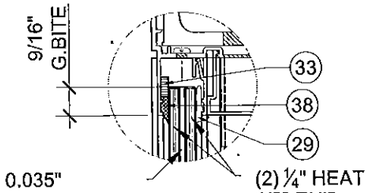
STEP 2: DETERMINE SYSTEM CAPACITY FROM TABLES ON SHEET 2 .

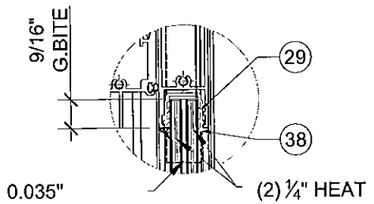
STEP 3: THE LOWEST VALUE RESULTING FROM STEP 2 SHALL APPLY TO ENTIRE SYSTEM.

APPROVED CONFIGURATIONS



GLAZING DETAILS





INTERLAYER NOTE
0.035" KURARAY SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.

Approved as complying with the Florida Building Code
Date 9/10/2015
NOA# 14-1118.04
Miami-Dade Product Control
By

STATE OF FLORIDA PROFESSIONAL ENGINEER GONZALO A. PAZ LICENSE No 60734

EASTERN ENGINEERING GROUP
9401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel: (305) 599-8133 Fax: (305) 599-8076
www.easternegr.com
RAISSA R. LOPEZ, PE (Lic No-59399)
GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 28655

REVISIONS

No.	DESCRIPTION	DATE

JOB No. 14 403 | DESIGNED & DRAWN: | SCALE : AS SHOWN

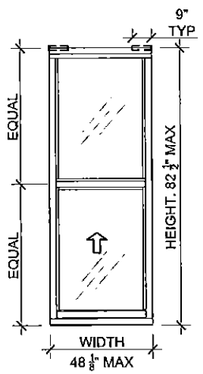
SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432
HOME SHOWCASE

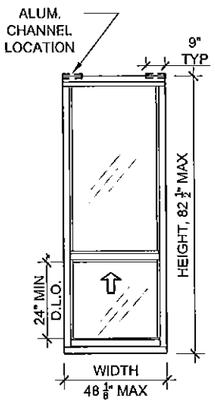
9/10/2015

SHEET: 1 OF 8

CHART #1: SINGLE HUNG WINDOW W/ EQUAL LITES			
FRAME HEIGHT	FRAME WIDTH	DESIGN LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)
48.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	102.6	102.6
	60.0	66.3	66.3
54.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	93.2	93.2
	60.0	60.1	60.1
60.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	86.0	86.0
	60.0	55.0	55.0
66.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	80.3	80.3
	60.0	51.2	51.2
72.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.1	120.0	120.0
	54.0	76.1	76.1
	55.5	67.5	67.5
78.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.1	120.0	120.0
	51.0	94.1	94.1
82.5	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.1	120.0	120.0



SINGLE HUNG WINDOW
EQUAL LITES



SINGLE HUNG WINDOW
UNEQUAL LITES

CHART #2: SINGLE HUNG WINDOW W/ UNEQUAL LITES			
FRAME HEIGHT	FRAME WIDTH	DESIGN LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)
48.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	103.8	103.8
	60.0	67.1	67.1
54.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	93.4	93.4
	60.0	60.3	60.3
60.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	86.1	86.1
	60.0	55.2	55.2
66.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	80.9	80.9
72.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	46.0	120.0	120.0
78.0	24.0	91.7	91.7
	30.0	120.0	120.0
	36.0	120.0	120.0
	41.0	113.9	113.9
82.5	24.0	120.0	120.0
	30.0	116.7	116.7
	37.0	88.1	88.1

CHART #3: WINDOW WALL BOTTOM LITE			
MAX HEIGHT	WIDTH	GLASS LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)
38.5	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	120.0	120.0
	48.125	120.0	120.0

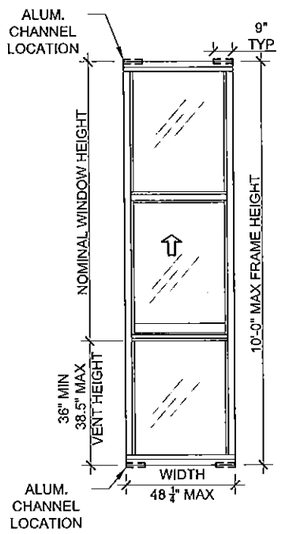
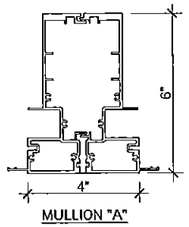


CHART #4: MULLION					
FRAME WIDTH	FRAME HEIGHT	MULLION "A" LOAD CAPACITY (psf)		MULLION "B" LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)	(+)	(-)
24	48	120.0	120.0	120.0	120.0
30		120.0	120.0	120.0	120.0
36		120.0	120.0	120.0	120.0
42		120.0	120.0	120.0	120.0
48		120.0	120.0	120.0	120.0
54		120.0	120.0	120.0	120.0
60		120.0	120.0	120.0	120.0
24	60	120.0	120.0	120.0	120.0
30		120.0	120.0	120.0	120.0
36		120.0	120.0	120.0	120.0
42		120.0	120.0	120.0	120.0
48		120.0	120.0	120.0	120.0
54		120.0	120.0	120.0	120.0
60		120.0	120.0	120.0	120.0
24	72	120.0	120.0	120.0	120.0
30		120.0	120.0	120.0	120.0
36		120.0	120.0	120.0	120.0
42		120.0	120.0	120.0	120.0
48		120.0	120.0	120.0	120.0
54		120.0	120.0	120.0	120.0
60		120.0	120.0	120.0	120.0
24	82.5	120.0	120.0	120.0	120.0
30		120.0	120.0	120.0	120.0
36		120.0	120.0	120.0	120.0
42		120.0	120.0	120.0	120.0
48.13		120.0	120.0	120.0	120.0
24	83	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48		110.0	110.0	120.0	120.0
54		110.0	110.0	120.0	120.0
60		110.0	110.0	120.0	120.0
24	96	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48		110.0	110.0	120.0	120.0
54		110.0	110.0	120.0	120.0
60		110.0	110.0	120.0	120.0
24	102	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48		110.0	110.0	120.0	120.0
54		110.0	110.0	120.0	120.0
60		110.0	110.0	120.0	120.0



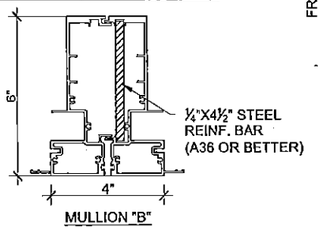
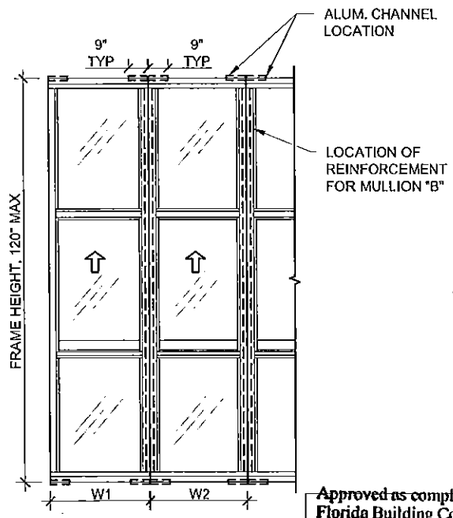
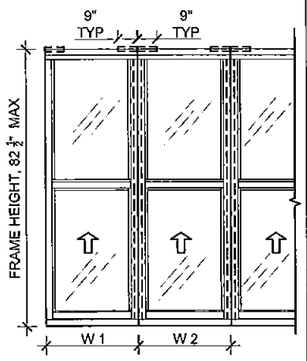


CHART #4: MULLION					
FRAME WIDTH	FRAME HEIGHT	MULLION "A" LOAD CAPACITY (psf)		MULLION "B" LOAD CAPACITY (psf)	
(in)	(In)	(+)	(-)		
24	108	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48		110.0	110.0	120.0	120.0
54		110.0	110.0	120.0	120.0
24	120	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48.25		110.0	110.0	120.0	120.0





FRAME WIDTH=W1+W2
2

CHART USE INSTRUCTIONS
-REFER TO CHART #1 TO OBTAIN SINGLE HUNG WINDOW W/ EQUAL LITES CAPACITY
-REFER TO CHART #2 TO OBTAIN SINGLE HUNG WINDOW W/ UNEQUAL LITES CAPACITY
-REFER TO CHART #3 TO OBTAIN BOTTOM LITE OF WINDOW WALL CAPACITY
-REFER TO CHART #4 TO OBTAIN MULLION CAPACITY
-USE LOWEST VALUE OF OPTIONS CONSULTED

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

Approved as complying with the Florida Building Code
Date 04/02/2015
NOA# 14-1118.02
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-8133 Fax. (305) 599-8076
www.easterneg.com
☐ RAISSA R. LOPEZ, PE (Lic No-59399)
☐ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS

No.	DATE	DESCRIPTION

JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

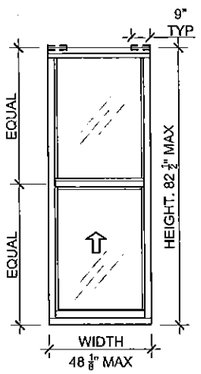
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 8432

HOME SHOWCASE
ALUMINUM WINDOWS AND DOORS

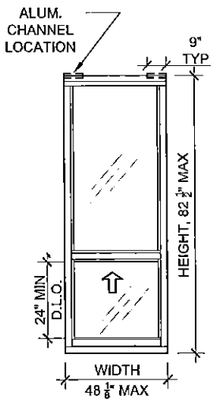
STATE OF FLORIDA
PROFESSIONAL ENGINEER
GONZALO A. PAZ
LICENSE No 60734
4/1/2015

SHEET: 2 OF 8

CHART #1: SINGLE HUNG WINDOW W/ EQUAL LITES			
FRAME HEIGHT	FRAME WIDTH	DESIGN LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)
48.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	102.6	102.6
	60.0	66.3	66.3
54.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	93.2	93.2
	60.0	60.1	60.1
60.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	86.0	86.0
	60.0	55.0	55.0
66.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	80.3	80.3
	60.0	51.2	51.2
72.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.1	120.0	120.0
	54.0	76.1	76.1
	55.5	67.5	67.5
78.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.1	120.0	120.0
	51.0	94.1	94.1
82.5	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.1	120.0	120.0



SINGLE HUNG WINDOW EQUAL LITES



SINGLE HUNG WINDOW UNEQUAL LITES

CHART #2: SINGLE HUNG WINDOW W/ UNEQUAL LITES			
FRAME HEIGHT	FRAME WIDTH	DESIGN LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)
48.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	103.8	103.8
	60.0	67.1	67.1
54.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	93.4	93.4
	60.0	60.3	60.3
60.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	86.1	86.1
	60.0	55.2	55.2
66.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	48.0	120.0	120.0
	54.0	80.9	80.9
72.0	24.0	120.0	120.0
	30.0	120.0	120.0
	36.0	120.0	120.0
	42.0	120.0	120.0
	46.0	120.0	120.0
78.0	24.0	91.7	91.7
	30.0	120.0	120.0
	36.0	120.0	120.0
	41.0	113.9	113.9
82.5	24.0	120.0	120.0
	30.0	116.7	116.7
	37.0	88.1	88.1

CHART #3: WINDOW WALL BOTTOM LITE			
MAX HEIGHT	WIDTH	GLASS LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)
38.5	24	120.0	120.0
	30	120.0	120.0
	36	120.0	120.0
	42	120.0	120.0
	48.125	120.0	120.0

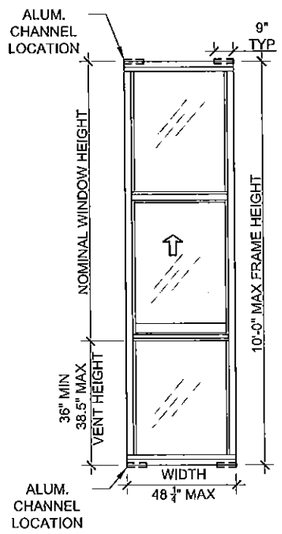
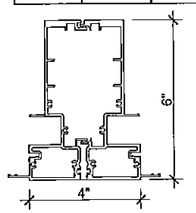
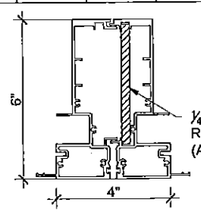


CHART #4: MULLION					
FRAME WIDTH	FRAME HEIGHT	MULLION "A" LOAD CAPACITY (psf)		MULLION "B" LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)	(+)	(-)
48	24	120.0	120.0	120.0	120.0
	30	120.0	120.0	120.0	120.0
	36	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0
	54	120.0	120.0	120.0	120.0
	60	120.0	120.0	120.0	120.0
60	24	120.0	120.0	120.0	120.0
	30	120.0	120.0	120.0	120.0
	36	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0
	54	120.0	120.0	120.0	120.0
	60	120.0	120.0	120.0	120.0
72	24	120.0	120.0	120.0	120.0
	30	120.0	120.0	120.0	120.0
	36	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0
	48	120.0	120.0	120.0	120.0
	54	120.0	120.0	120.0	120.0
	60	120.0	120.0	120.0	120.0
82.5	24	120.0	120.0	120.0	120.0
	30	120.0	120.0	120.0	120.0
	36	120.0	120.0	120.0	120.0
	42	120.0	120.0	120.0	120.0
	48.13	120.0	120.0	120.0	120.0
83	24	110.0	110.0	120.0	120.0
	30	110.0	110.0	120.0	120.0
	36	110.0	110.0	120.0	120.0
	42	110.0	110.0	120.0	120.0
	48	110.0	110.0	120.0	120.0
	54	110.0	110.0	120.0	120.0
	60	110.0	110.0	120.0	120.0
96	24	110.0	110.0	120.0	120.0
	30	110.0	110.0	120.0	120.0
	36	110.0	110.0	120.0	120.0
	42	110.0	110.0	120.0	120.0
	48	110.0	110.0	120.0	120.0
	54	110.0	110.0	120.0	120.0
	60	110.0	110.0	120.0	120.0
102	24	110.0	110.0	120.0	120.0
	30	110.0	110.0	120.0	120.0
	36	110.0	110.0	120.0	120.0
	42	110.0	110.0	120.0	120.0
	48	110.0	110.0	120.0	120.0
	54	110.0	110.0	120.0	120.0
	60	110.0	110.0	120.0	120.0

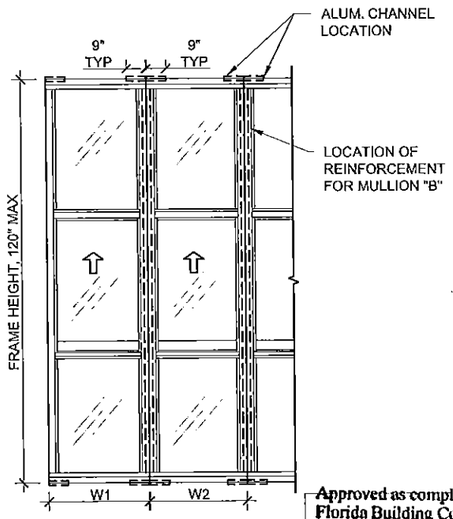


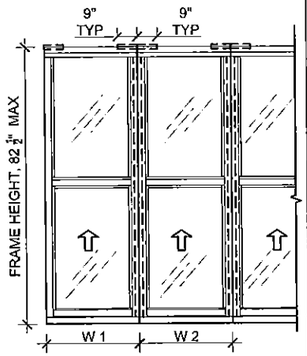
MULLION "A"



MULLION "B"

CHART #4: MULLION					
FRAME WIDTH	FRAME HEIGHT	MULLION "A" LOAD CAPACITY (psf)		MULLION "B" LOAD CAPACITY (psf)	
(in)	(in)	(+)	(-)		
24	108	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48		110.0	110.0	120.0	120.0
54		110.0	110.0	120.0	120.0
24	120	110.0	110.0	120.0	120.0
30		110.0	110.0	120.0	120.0
36		110.0	110.0	120.0	120.0
42		110.0	110.0	120.0	120.0
48.25		110.0	110.0	120.0	120.0





FRAME WIDTH=W1+W2 / 2

CHART USE INSTRUCTIONS
-REFER TO CHART #1 TO OBTAIN SINGLE HUNG WINDOW W/ EQUAL LITES CAPACITY
-REFER TO CHART #2 TO OBTAIN SINGLE HUNG WINDOW W/ UNEQUAL LITES CAPACITY
-REFER TO CHART #3 TO OBTAIN BOTTOM LITE OF WINDOW WALL CAPACITY
-REFER TO CHART #4 TO OBTAIN MULLION CAPACITY
-USE LOWEST VALUE OF OPTIONS CONSULTED

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

Approved as complying with the Florida Building Code
Date 12/02/2015
NOA# 14-1118.08
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-8133 Fax. (305) 599-8076
www.easternegr.com
☐ RAISSA R. LOPEZ, PE (Lic No–59399)
☐ GONZALO A. PAZ, PE (Lic No–60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS

No.	DATE	DESCRIPTION

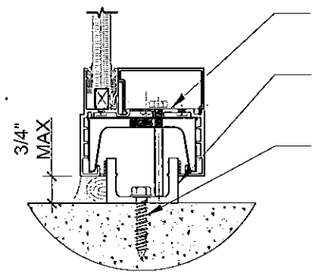
JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

HOME SHOWCASE
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

STATE OF FLORIDA PROFESSIONAL ENGINEER GONZALO A. PAZ No. 60734
12/1/2015

SHEET: 2 OF 8



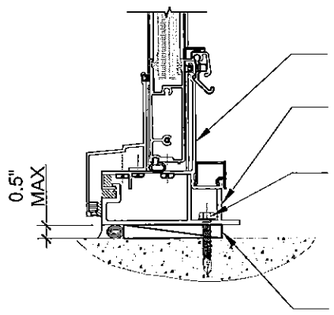
ALUM. HEAD/SILL SEE SCHEDULE

ALUM. CHANNEL SEE SCHEDULE

¼"ø KWIK CON II + 14-234 TFH WITH 1¾" MIN PENETRATION INTO 3KSI CONCRETE @2"OC MIN (3"MAX & WITH 2.5" EDGE DISTANCE. (Fy=137KSI, Fu=138KSI)

ANCHOR TYPE "A" DETAIL

SCALE:3"=1'-0"



ALUM. SILL SEE SCHEDULE

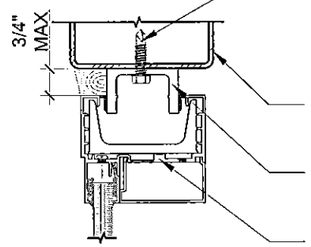
ALUM. RAISED SILL ADAPTER SEE SCHEDULE

¼"ø KWIK CON II + 14-234 TFH WITH 1¾" MIN PENETRATION INTO 3KSI CONCRETE @2" OC MIN (3" MAX) & WITH 2.5" EDGE DISTANCE. (Fy=137KSI, Fu=138KSI)

PLASTIC SHIM ½" MAX

ANCHOR TYPE "B" DETAIL

SCALE:3"=1'-0"



S-MD ¼"-20 x1.5" HWH4 KF By HILTI W/ ¾" MIN PENETRATION INTO METAL STRUCTURE @ 1" OC MIN & W/ 1" EDGE DISTANCE. (Fy=92KSI, Fu=120KSI)

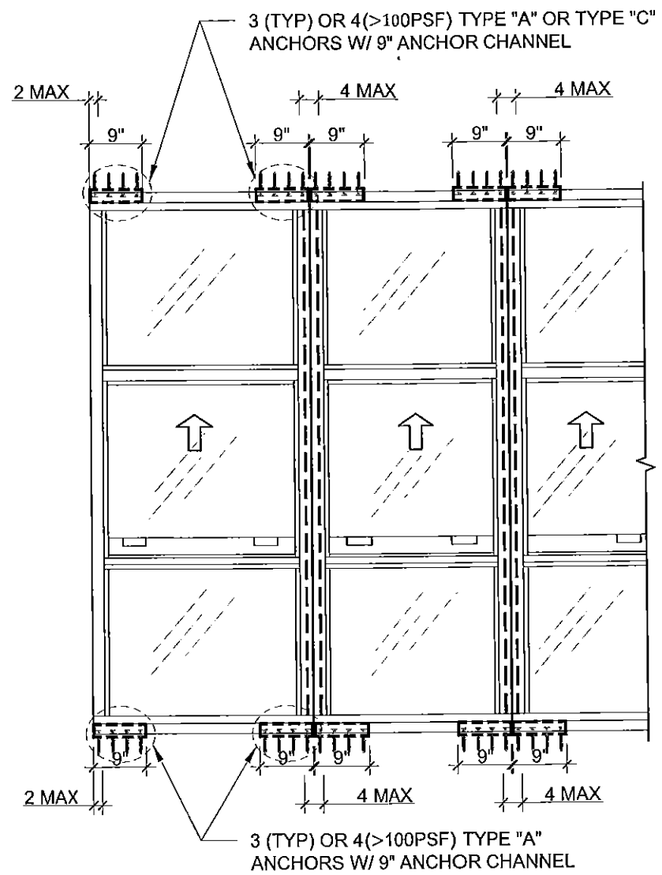
ALUM/STEEL STRUCTURE BY OTHERS, ⅛" MIN THICKNESS

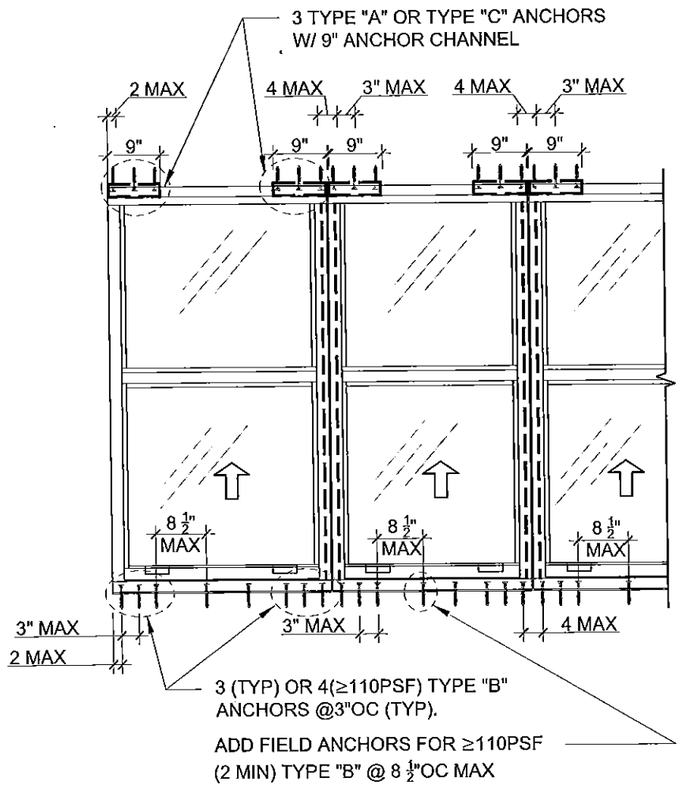
ALUM. CHANNEL SEE SCHEDULE

ALUM. HEAD/SILL SEE SCHEDULE

ANCHOR TYPE "C" DETAIL

SCALE:3"=1'-0"





ANCHOR TYPE	ANCHOR CAPACITY RECAP
A	¼"ø KWIK CON II + 14-234 TFH WITH 1¾" MIN PENETRATION INTO 3KSI CONCRETE @2" OC MIN(TYP), 3"MAX & W/ 2.5" EDGE DISTANCE. (Fy=137KSI, Fu=138KSI)
B	¼"ø KWIK CON II + 14-234 TFH WITH 1¾" MIN PENETRATION INTO 3KSI CONCRETE @2" OC MIN (TYP), 3" MAX & W/ 2.5" EDGE DISTANCE. (Fy=137KSI, Fu=138KSI)
C	S-MD ¼"-20 x1.5" HWH4 KF By HILTI W/ ¾" MIN PENETRATION INTO METAL STRUCTURE @ 1" OC MIN & W/ 1" EDGE DISTANCE. (Fy=92KSI, Fu=120KSI)

Approved as complying with the Florida Building Code
Date 04/02/2015
NOA# 14-1118.04
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-8133 Fax. (305) 599-8076
www.easterneg.com
☐ RAISSA R. LOPEZ, PE (Lic No-59399)
☐ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS

No.	DATE	DESCRIPTION

JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

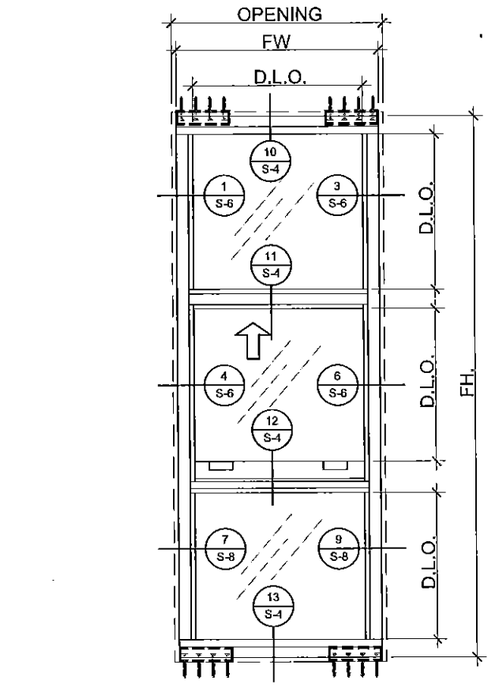
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

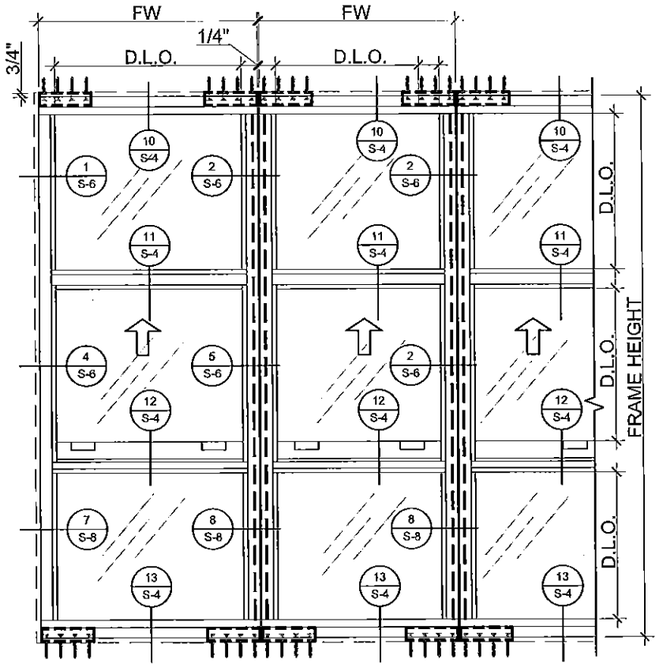
HOME SHOWCASE

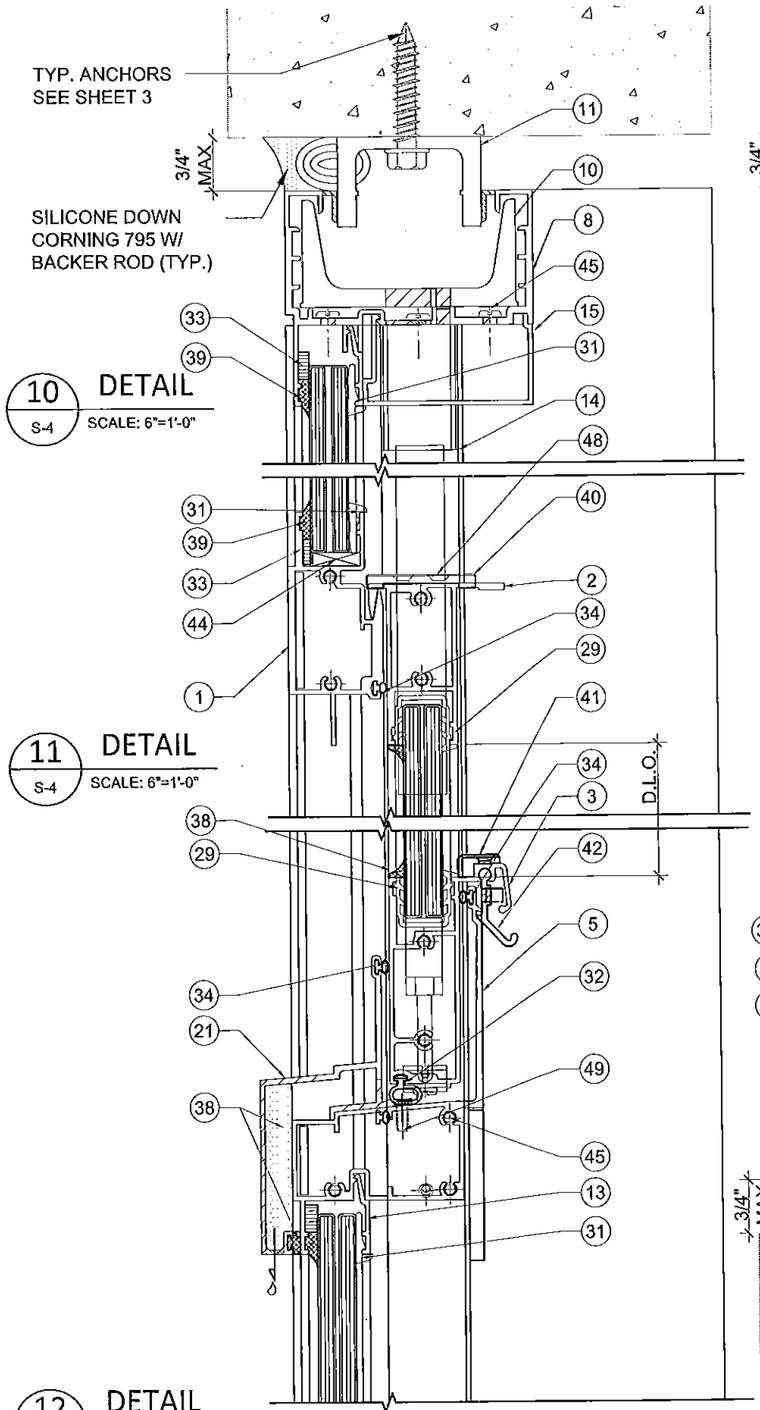
STATE OF FLORIDA PROFESSIONAL ENGINEER
GONZALO A PAZ
No 60734
4/2/2015

SHEET: 3 OF 8

TYPICAL ELEVATION



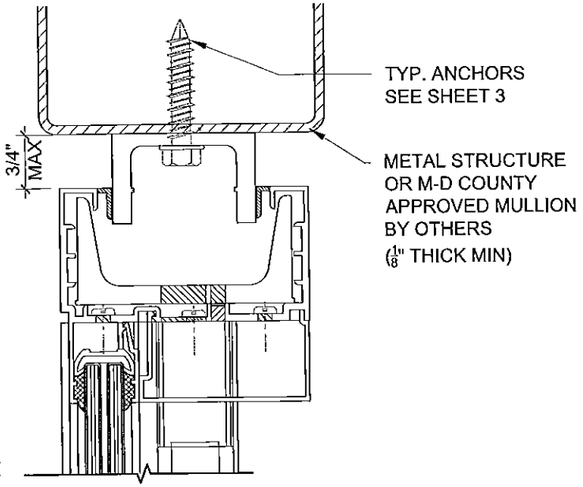




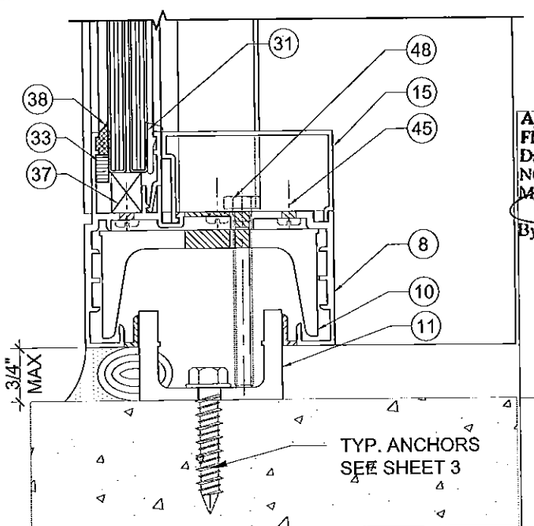
10 S-4 DETAIL
SCALE: 6"=1'-0"

11 S-4 DETAIL
SCALE: 6"=1'-0"

12 S-4 DETAIL
SCALE: 6"=1'-0"



10 S-4 DETAIL
SCALE: 6"=1'-0"



13 S-4 DETAIL
SCALE: 6"=1'-0"

NOTE:
- SEE SHEET 4 FOR ANCHORS SPEC.
- ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOW CORNING 795 SEALANT
- METAL STRUCT./MULLION BY OTHERS MUST SUSTAIN LOAD IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- SETTING BLOCK TO BE SARLINK TPV 5775B By TECKNOR APEX CO. WITH HARDNESS 75±5 SHORE A

Approved as complying with the Florida Building Code
Date 04/02/2015
NOA# 14-1118.04
Miami Dade Product Control
By

EASTERN ENGINEERING GROUP
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www.easterneg.com
□ RAISSA R. LOPEZ, PE (Lic No-59399)
□ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS

No.	DATE	DESCRIPTION

JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

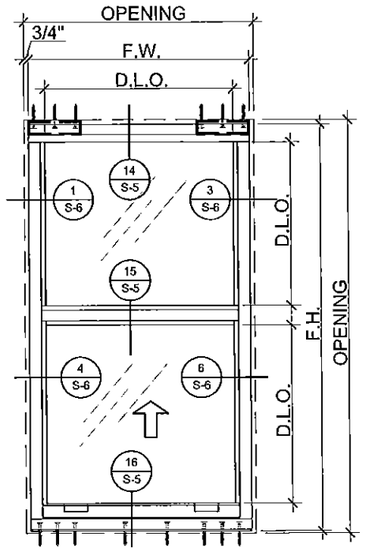
SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)
Product:

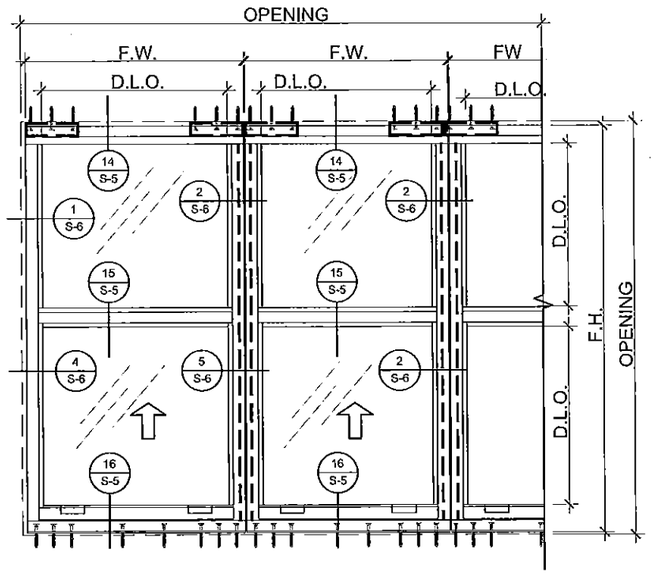
RC HOME SHOWCASE
ALUMINUM WINDOWS AND DOORS
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

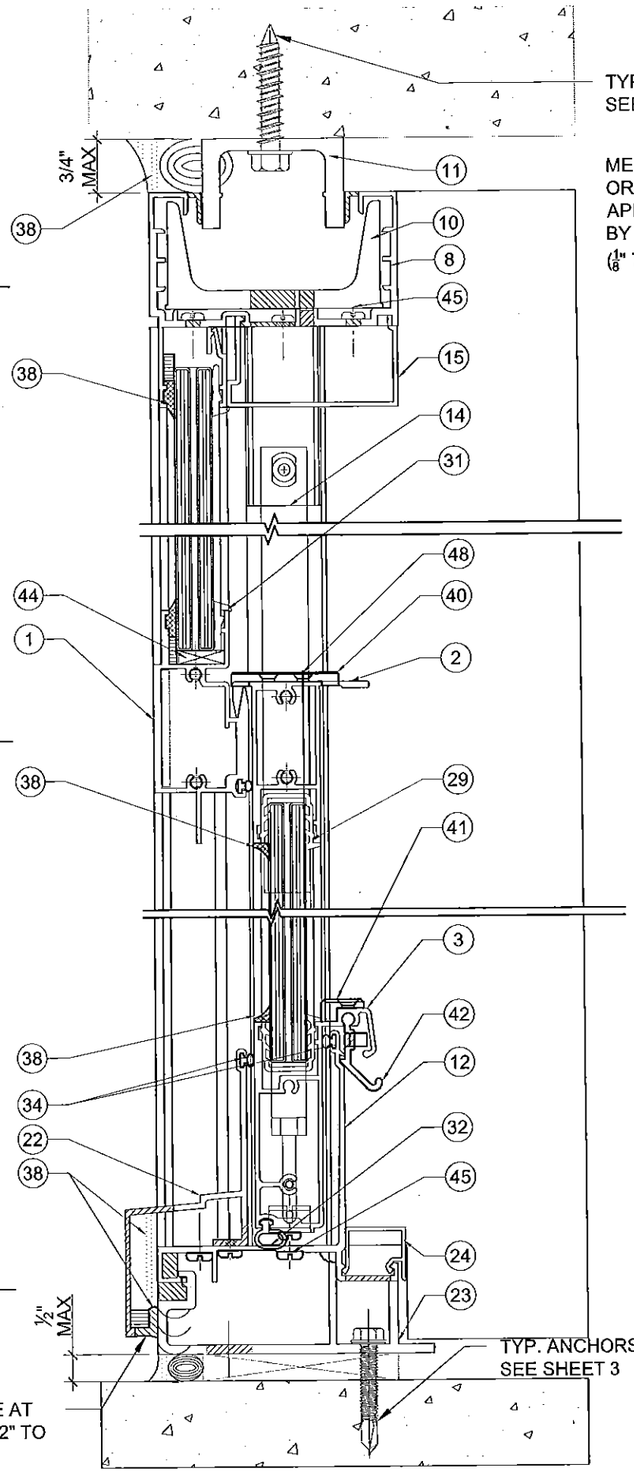
STATE OF FLORIDA PROFESSIONAL ENGINEER
GONZALO A. PAZ
No 60734
4/1/2015

SHEET: 4 OF 8

TYPICAL ELEVATION





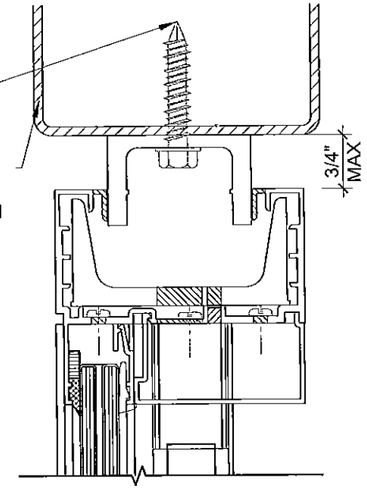


14 S-5 DETAIL
SCALE: 6"=1'-0"

15 S-5 DETAIL
SCALE: 6"=1'-0"

16 S-5 DETAIL
SCALE: 6"=1'-0"

INTERRUPT SILICONE AT QUARTER POINTS L=2" TO ALLOW DRAINAGE



14 S-5 DETAIL
SCALE: 6"=1'-0"

NOTE:
- SEE SHEET 4 FOR ANCHORS SPEC.
- ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOW CORNING 795 SEALANT
- METAL STRUCT./MULLION BY OTHERS MUST SUSTAIN LOAD IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- SETTING BLOCK TO BE SARLINK TPV 5775B By TECKNOR APEX CO. W/ HARDNESS 75±5 SHORE A

Approved as complying with the Florida Building Code
Date 9/10/2015
NOA# 14-1118.04
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-8133 Fax. (305) 599-8076
www.easternmg.com
☐ RAISSA R. LOPEZ, PE (Lic No-59399)
☐ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS

No.	DATE	DESCRIPTION

JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

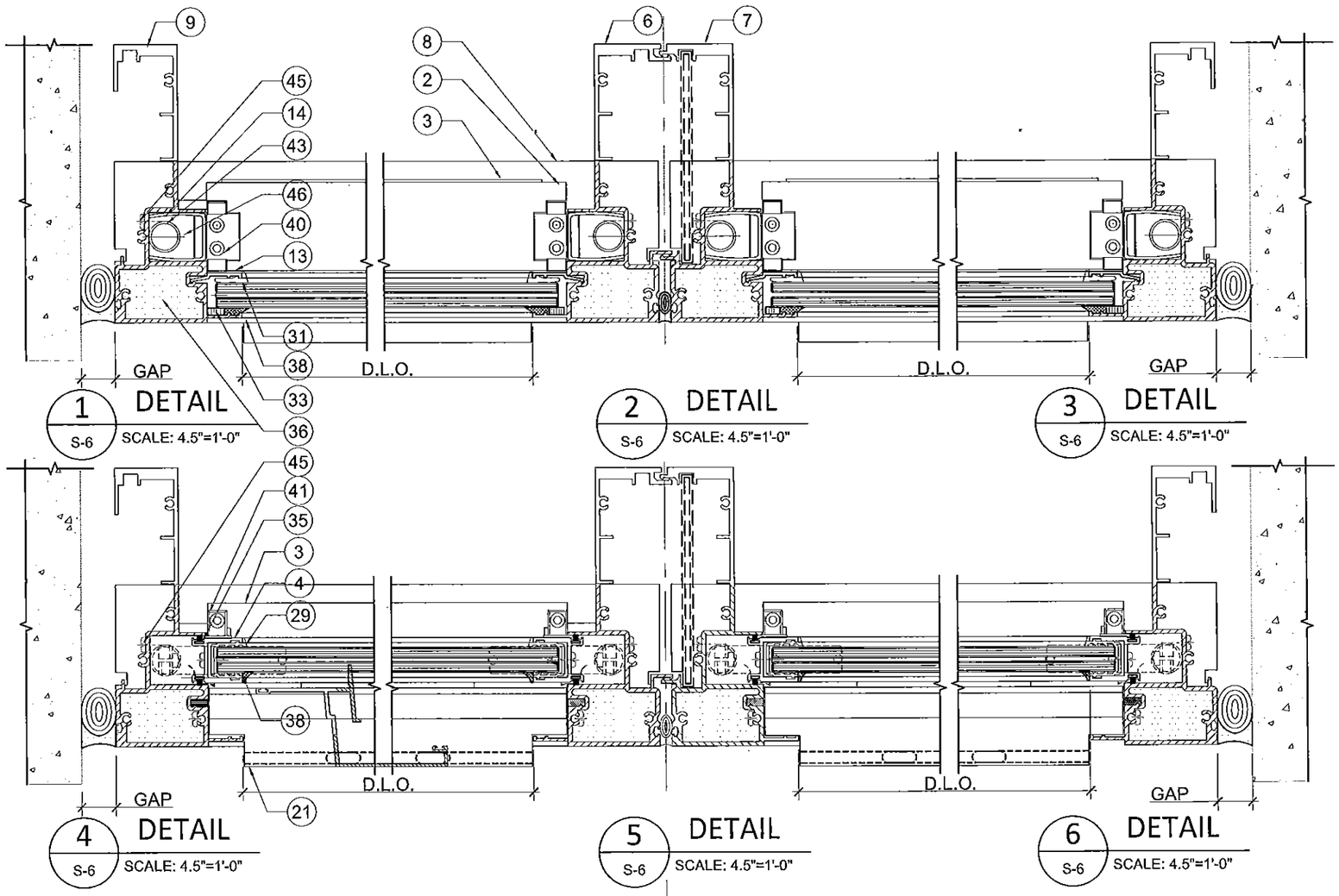
SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 280 - 6432

HRC HOME SHOWCASE
ALUMINUM WINDOWS AND DOORS

STATE OF FLORIDA PROFESSIONAL ENGINEER
GONZALO A. PAZ
LICENSE No 60734
9/10/2015

SHEET: 5 OF 8



1 S-6 DETAIL
SCALE: 4.5"=1'-0"

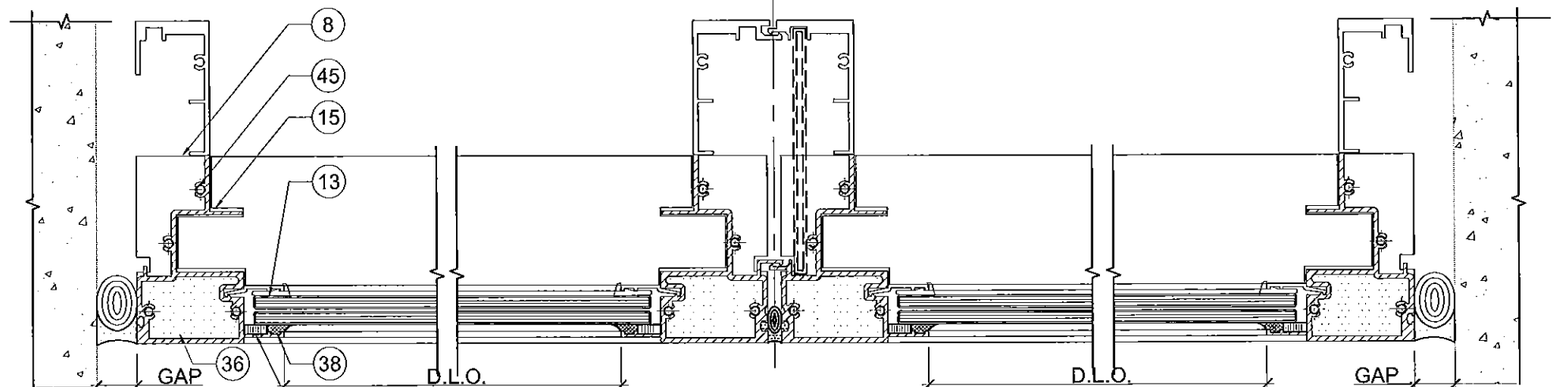
2 S-6 DETAIL
SCALE: 4.5"=1'-0"

3 S-6 DETAIL
SCALE: 4.5"=1'-0"

4 S-6 DETAIL
SCALE: 4.5"=1'-0"

5 S-6 DETAIL
SCALE: 4.5"=1'-0"

6 S-6 DETAIL
SCALE: 4.5"=1'-0"

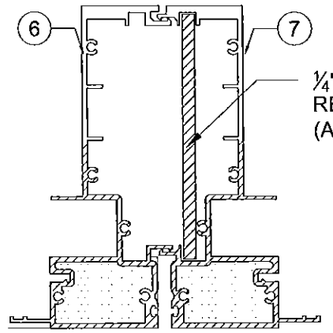


7 S-6 DETAIL
SCALE: 4.5"=1'-0"

8 S-6 DETAIL
SCALE: 4.5"=1'-0"

9 S-6 DETAIL
SCALE: 4.5"=1'-0"

NOTE:
DETAILS SHOWN WITH LOCATION FOR REINFORCEMENT (MULLION "B") IN DASHED LINES. SEE BELOW FOR MULLION TYPE "B"



MULLION TYPE "B"

GAP DIMENSIONS
⅜" MIN FOR UP TO 8'-0" HIGH FRAME
½" MIN FOR UP TO 9'-0" HIGH FRAME
¾" MIN FOR UP TO 10'-0" HIGH FRAME
1" MAX
DEPTH = ⅜" MIN
SILICONE DOW CORNING 795 W/ BACKER ROD

SEALANT:
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOW CORNING 795 SEALANT

Approved as complying with the Florida Building Code
Date 04/02/2015
NOA# 14-1118.04
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel: (305) 599-8133 Fax: (305) 599-8076
www.easterneg.com
☐ RAISSA R. LOPEZ, PE (Lic No-59399)
☐ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 25655

REVISIONS

No.	DATE	DESCRIPTION

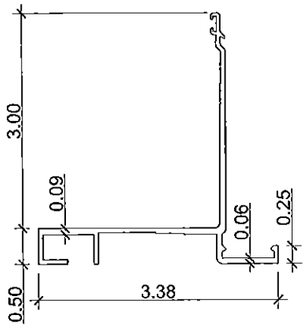
JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

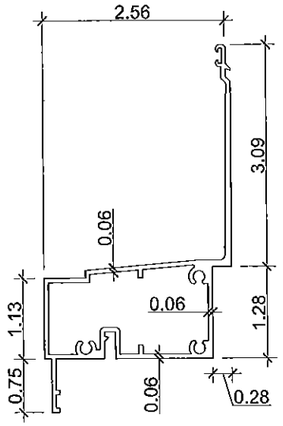
HOME SHOWCASE
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

STATE OF FLORIDA PROFESSIONAL ENGINEER
GONZALO A PAZ
No 60734
LICENSED
4/1/2015

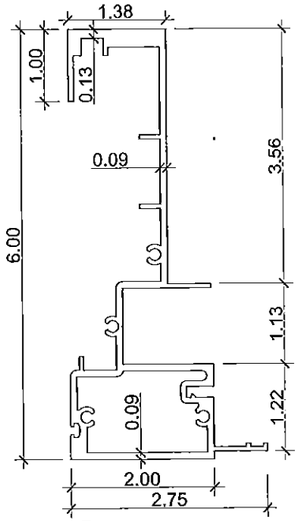
SHEET: 6 OF 8



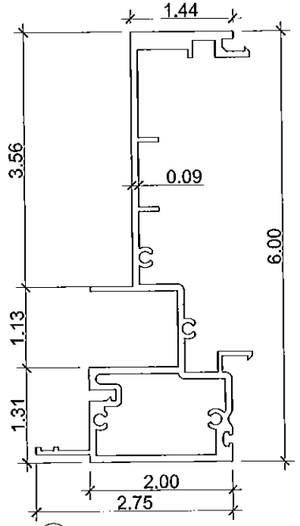
(12) FRAME SILL



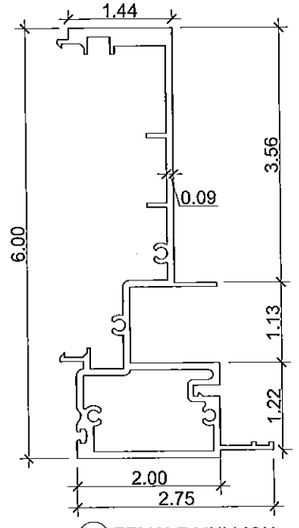
(5) SILL MTG. RAIL W/ FIXED BOTTOM



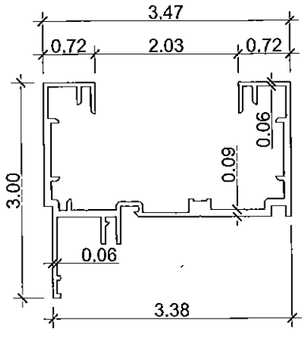
(9) FRAME JAMB



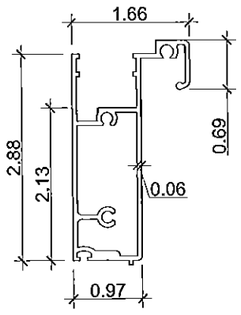
(6) MALE MULLION



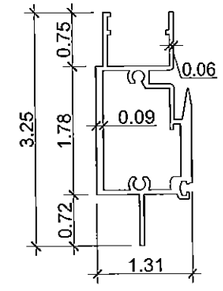
(7) FEMALE MULLION



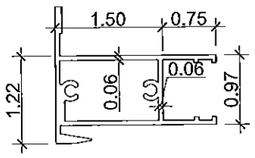
(8) FRAME HEAD/SILL



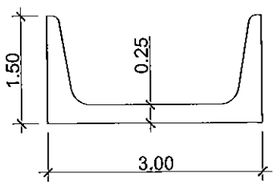
(3) VENT BOTTOM RAIL



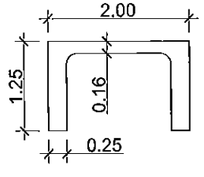
(1) MEETING RAIL



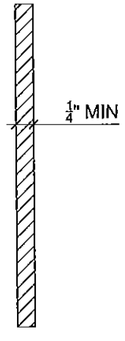
(2) VENT TOP RAIL



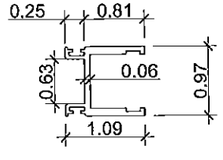
(10) REINFORCING CHANNEL



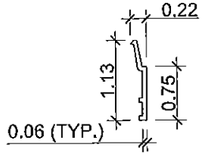
(11) ANCHOR CHANNEL



1/4"X41/2" STEEL REINF. BAR (A36 OR BETTER)



(4) VENT SIDE RAIL



(13) GLAZING BEAD

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□ RAISSA R. LOPEZ, PE (Lic No-59399)
□ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS

No.	DATE	DESCRIPTION

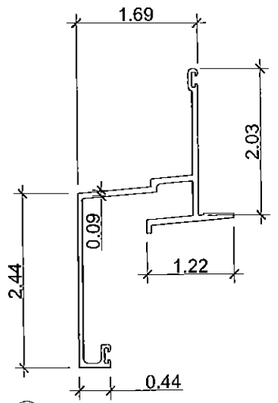
JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

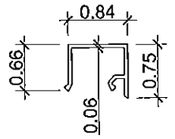
Product: HOME SHOWCASE ALUMINUM WINDOWS AND DOORS

16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

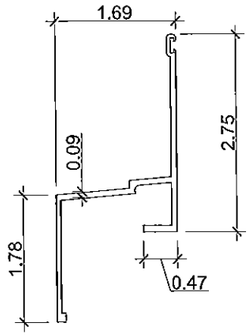
STATE OF FLORIDA PROFESSIONAL ENGINEER GONZALO A. PAZ LICENSE No 60734
4/1/2015



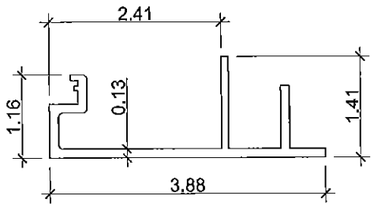
(21) MTG SILL ADAPTOR



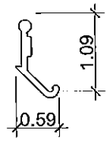
(24) TRACK COVER



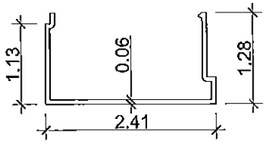
(22) MTG SILL ADAPTOR FOR 2 PANELS



(23) SILL ADAPTOR

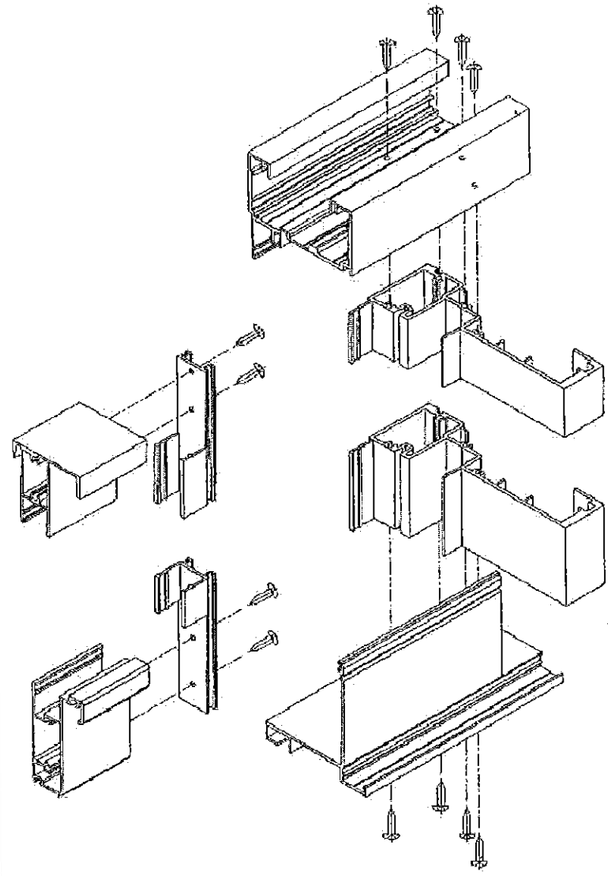


(42) VENT LATCH



(15) FRAME COVER

MATERIALS				
ITEM	PART NO.	DESCRIPTION	MAT.	LOCATION
EXTRUSIONS				
1	SH660-001	MEETING RAIL EXT.	6005 T5	AT FRAME
2	SH660-002	VENT TOP	6005 T5	SASH VENT
3	SH660-003	VENT BOTTOM	6063 T6	SASH VENT
4	SH660-004	VENT SIDE	6063 T6	SASH VENT
5	SH660-005	SILL MEETING RAIL	6005 T5	AT FRAME
6	SH660-006	VERTICAL MALE. 6"	6005 T5	AT FRAME
7	SH660-007	VERTICAL FEMALE. 6"	6005 T5	AT FRAME
8	SH660-008	HEAD/SILL	6005 T5	AT FRAME
9	SH660-009	VERTICAL JAM	6005 T5	AT FRAME
10	SH660-010	STRUCTURAL CHANNEL 3" X 1.498" X11.50"	6005 T5	AT FRAME
11	SH660-011	STRUCTURAL CHANNEL 2" X 1.25" X11.50"	6005 T5	AT FRAME
12	SH660-012	FRAME SILL FOR TWO PANELS	6005 T5	AT FRAME
13	SH660-013	GLAZING BED	6063 T6	AT FRAME
14	SH660-014	VENT STOP	6063 T6	AT FRAME
15	SH660-015	HEAD & SILL COVER	6063 T6	AT FRAME
21	SH660-021	MEETING SILL ADAPTOR	6064 T6	AT FRAME
22	SH660-022	MEETING SILL ADAPTOR FOR TWO PANELS	6065 T6	AT FRAME
23	SH660-023	RAISE SILL ADAPTOR FOR TWO PANELS	6066 T6	AT FRAME
24	SH660-024	TRACK COVER	6067 T6	AT FRAME
GASKET				
29	VO49	MARINE GLAZE VINYL(S.M.I.)	PVC	SASH VENT
31	PS1125N TREMCO	MARINE GLAZE VINYL(S.M.I.)	EPDM	AT FRAME
32	VO32	BULB VINYL AT VENT SILL	EPDM	SASH VENT
33	TAPE	3/16" X 3/8" FOAM TAPE SINGLE FACE. S.M.I.	FOAM	SASH VENT & F.
34	Q375T190	GQ-LONG BLACK		AT FRAME
35	W33261NK	WEATHERSTRIPPING PILE		SASH VENT
36		EXPANDED POLYURETHANE		
MISCELLANEOUS				
37		3/8" X 1/2" X 4" LG. SETTING BLOCK (2/LITE)	TPV	HARDNESS 75±5 SHORE A
38		DC-795 SILICONE BLACK		
39		DC-995 SILICONE BLACK		
40	PO12	VENT. TOP GUIDE		SASH VENT
41	PO13	VENT. BOTTOM GUIDE		SASH VENT
42	PO35	FINGER LOCK HANDICAP		SASH VENT
43		ULTRALIFT BALANCE		
44		1/8" X 1/2" X 4" LG. SETTING BLOCK (2/LITE)	TPV	HARDNESS 75±5 SHORE A
SCREWS (GRADE 5 MIN)				
45		#10X1" LG. SMS PH TYPE B. ASSEMBLY SCREW	SS	
46		#8-18X1" LG.SMS PH PH S.STEEL	SS	
47		#8-18X 3/8" LG.SMS PH PH S.STEEL	SS	
48		HH 1/4"-20X2 1/2" S.S BOLT.FULL THREAD	SS	
49		#10x1" UNDRECUT FLAT HEAD SMS SS 304	SS	
50		#10x3/4" PH PH SMS SS 304	SS	
51		#10-16 x 1 1/2" PH PH SMS SS 304	SS	



VENT CORNER DETAIL

FRAME CORNER DETAIL

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□ RAISSA R. LOPEZ, PE (Lic No-59399)
□ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26555

REVISIONS

No.	DATE	DESCRIPTION

JOB No. 14 403
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (S.M.I.)

16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

PRODUCT: RC HOME SHOWCASE ALUMINUM WINDOWS AND DOORS

STATE OF FLORIDA PROFESSIONAL ENGINEER
GONZALO A. PAZ
No 60734
4/1/2015

SHEET: 8 OF 8