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 w/ or w/o Window Wall – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **14–402**, titled "Series HS660 Alum. Single Hung Windows (L.M.I.)", sheets 01 through 08 of 08, dated 03/23/15, 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: Large and 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

J Gascon 3/26/15

RC Home Showcase, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **14–402**, titled "Series HS660 Alum. Single Hung Windows (L.M.I.)", sheets 01 through 08 of 08, dated 03/23/15, prepared by Eastern Engineering Group Company, signed and sealed by Gonzalo A. Paz, 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) 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 dated 03/23/15, 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"** 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. 14–1118.03**
**Expiration Date: April 02, 2020**
**Approval Date: April 02, 2015**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

1. Statement letter of conformance to and of 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. 14–1118.03
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 LARGE MISSILE IMPACT. (SHUTTERS ARE NOT REQUIRED)**
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 0.09" 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

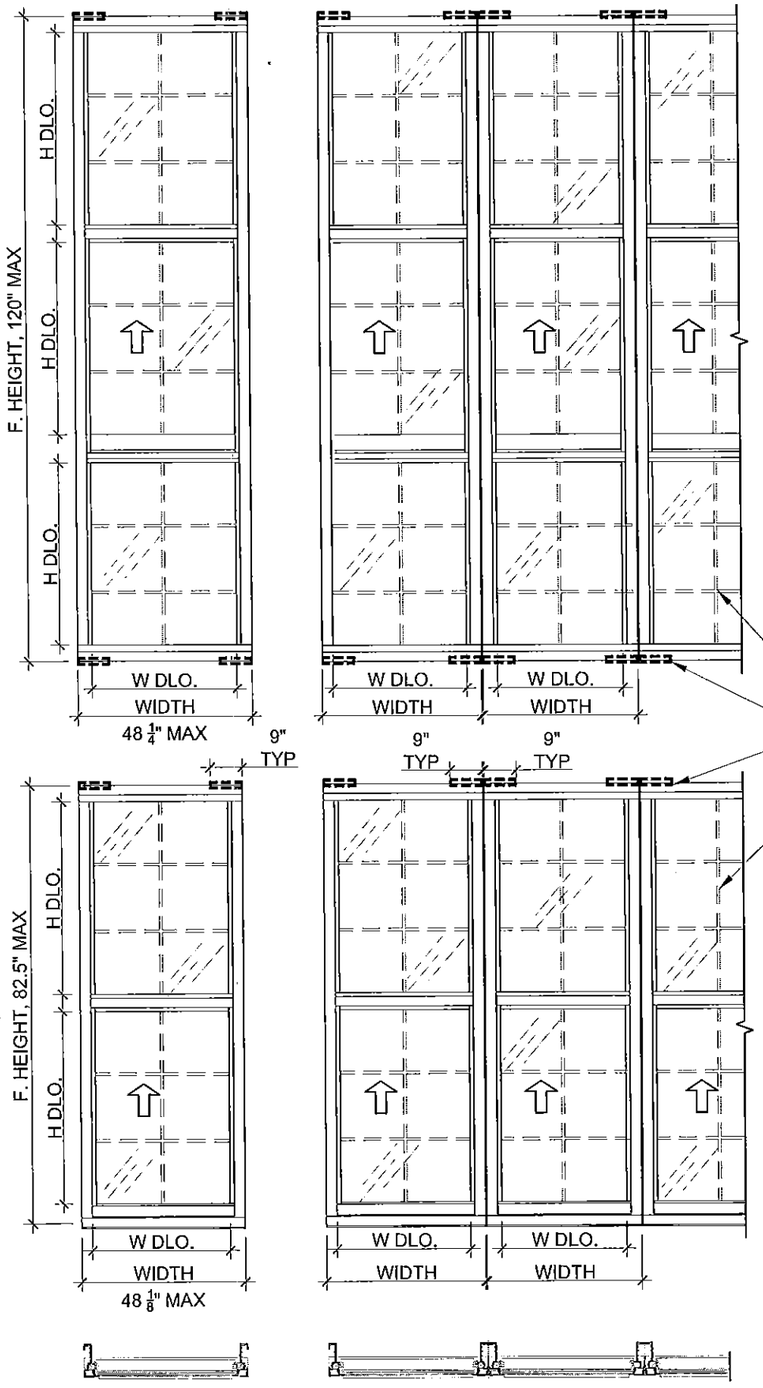
## DESIGN SEQUENCE

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

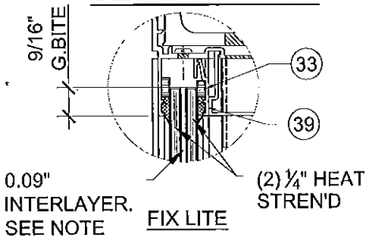
STEP 2: DETERMINE SYSTEM CAPACITY FROM TABLES ON SHEET 2 .

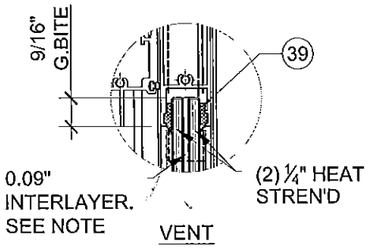
STEP 3: THE LOWEST VALUE RESULTING FROM STEP 2 SHALL APPLY TO ENTIRE SYSTEM.

## APPROVED CONFIGURATIONS




## GLAZING DETAILS




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

Approved as complying with the Florida Building Code
Date 4/13/2015
NOA# 14-1118.03
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.easterneng.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. 14 402 | DESIGNED & DRAWN: | SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (L.M.I.) R

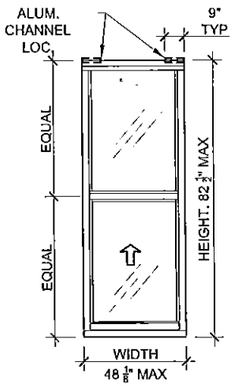
Product: IRC HOME SHOWCASE ALUMINUM WINDOWS AND DOORS


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

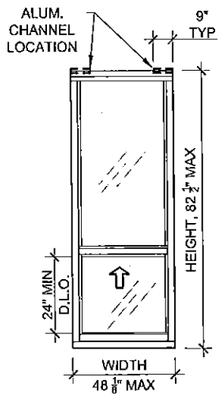

PROFESSIONAL ENGINEER STATE OF FLORIDA
3/23/2015

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 |



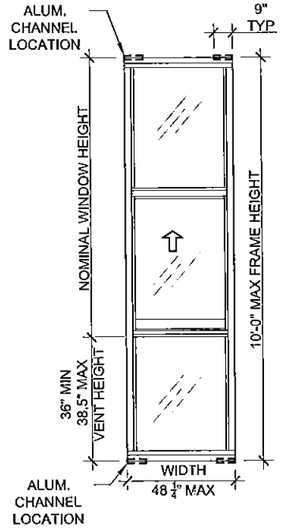

SINGLE HUNG WINDOW EQUAL LITES




SINGLE HUNG WINDOW UNEQUAL LITES

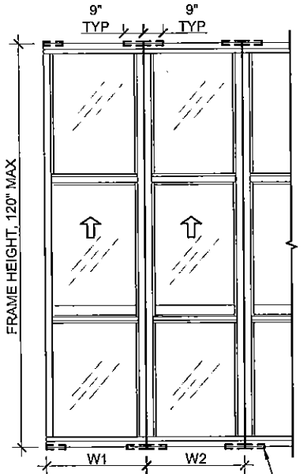
| CHART #2: SINGLE HUNG WINDOW W/ UNEQUAL LITES | | | |
|---|---|---|---|
| FRAME HEIGHT | FRAME WIDTH | DESIGN LOAD CAPACITY (psf) | |
| (in) | (in) | (+) | (-) |
| 48.0 | 24.0 | 120.0 | 120.0 |
| | 30.0 | 120.0 | 120.0 |
| | 36.0 | 120.0 | 120.0 |
| | 42.0 | 120.0 | 120.0 |
| | 48.0 | 120.0 | 120.0 |
| | 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 | 116 | 116.5 |
| | 30 | 116 | 116.5 |
| | 36 | 116 | 116.5 |
| | 42 | 116 | 116.5 |
| | 48.125 | 116 | 116.5 |

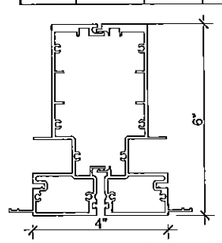



| CHART #4: MULLION | | | |
|---|---|---|---|
| PANEL WIDTH | FRAME HEIGHT | MULLION LOAD CAPACITY (psf) | |
| (in) | (in) | (+) | (-) |
| 24 | 48 | 120.0 | 120.0 |
| 30 | | 120.0 | 120.0 |
| 36 | | 120.0 | 120.0 |
| 42 | | 120.0 | 120.0 |
| 48 | | 120.0 | 120.0 |
| 54 | | 120.0 | 120.0 |
| 60 | | 120.0 | 120.0 |
| 24 | 60 | 120.0 | 120.0 |
| 30 | | 120.0 | 120.0 |
| 36 | | 120.0 | 120.0 |
| 42 | | 120.0 | 120.0 |
| 48 | | 120.0 | 120.0 |
| 54 | | 120.0 | 120.0 |
| 60 | | 120.0 | 120.0 |
| 24 | 72 | 120.0 | 120.0 |
| 30 | | 120.0 | 120.0 |
| 36 | | 120.0 | 120.0 |
| 42 | | 120.0 | 120.0 |
| 48 | | 120.0 | 120.0 |
| 54 | | 120.0 | 120.0 |
| 60 | | 120.0 | 120.0 |
| 24 | 82.5 | 120.0 | 120.0 |
| 30 | | 120.0 | 120.0 |
| 36 | | 120.0 | 120.0 |
| 42 | | 120.0 | 120.0 |
| 48.13 | | 120.0 | 120.0 |
| 24 | 83 | 116.0 | 116.5 |
| 30 | | 116.0 | 116.5 |
| 36 | | 116.0 | 116.5 |
| 42 | | 116.0 | 116.5 |
| 48 | | 116.0 | 116.5 |
| 54 | | 116.0 | 116.5 |
| 60 | | 116.0 | 116.5 |
| 24 | 96 | 116.0 | 116.5 |
| 30 | | 116.0 | 116.5 |
| 36 | | 116.0 | 116.5 |
| 42 | | 116.0 | 116.5 |
| 48 | | 116.0 | 116.5 |
| 54 | | 116.0 | 116.5 |
| 60 | | 116.0 | 116.5 |
| 24 | 102 | 116.0 | 116.5 |
| 30 | | 116.0 | 116.5 |
| 36 | | 116.0 | 116.5 |
| 42 | | 116.0 | 116.5 |
| 48 | | 116.0 | 116.5 |
| 54 | | 116.0 | 116.5 |
| 60 | | 116.0 | 116.5 |

| CHART #4: MULLION | | | |
|---|---|---|---|
| PANEL WIDTH | FRAME HEIGHT | MULLION LOAD CAPACITY (psf) | |
| (in) | (in) | (+) | (-) |
| 24 | 108 | 116.0 | 116.5 |
| 30 | | 116.0 | 116.5 |
| 36 | | 116.0 | 116.5 |
| 42 | | 116.0 | 116.5 |
| 48 | | 116.0 | 116.5 |
| 54 | | 116.0 | 116.5 |
| 24 | 114 | 116.0 | 116.5 |
| 30 | | 116.0 | 116.5 |
| 36 | | 116.0 | 116.5 |
| 42 | | 116.0 | 116.5 |
| 48 | | 116.0 | 116.5 |
| 52 | | 116.0 | 116.5 |
| 24 | 120 | 116.0 | 116.5 |
| 30 | | 116.0 | 116.5 |
| 36 | | 116.0 | 116.5 |
| 42 | | 116.0 | 116.5 |
| 48.25 | | 116.0 | 116.5 |




WIDTH=W1+W2 / 2




MULLION SECTION

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# 14-1118.03
Miami Dade Product Control
By


EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-9133 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. 14 402
DESIGNED & DRAWN:
SCALE : AS SHOWN

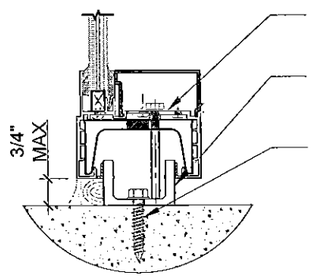
SERIES HS660 ALUM SINGLE HUNG WINDOWS (L.M.I.) R


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


Product: HRC HOME SHOWCASE ALUMINUM WINDOWS AND DOORS

GONZALO A. PAZ LICENSE NO. 60734 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/27/2015

SHEET: 2 OF 8



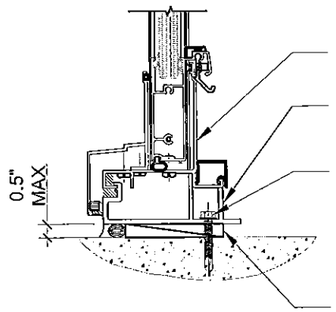

ALUM. HEAD/SILL SEE SCHEDULE

ALUM. CHANNEL SEE SCHEDULE

¼"ϕ 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

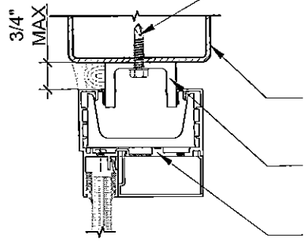
ALUM. RAISED SILL ADAPTER SEE SCHEDULE

¼"ϕ 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)

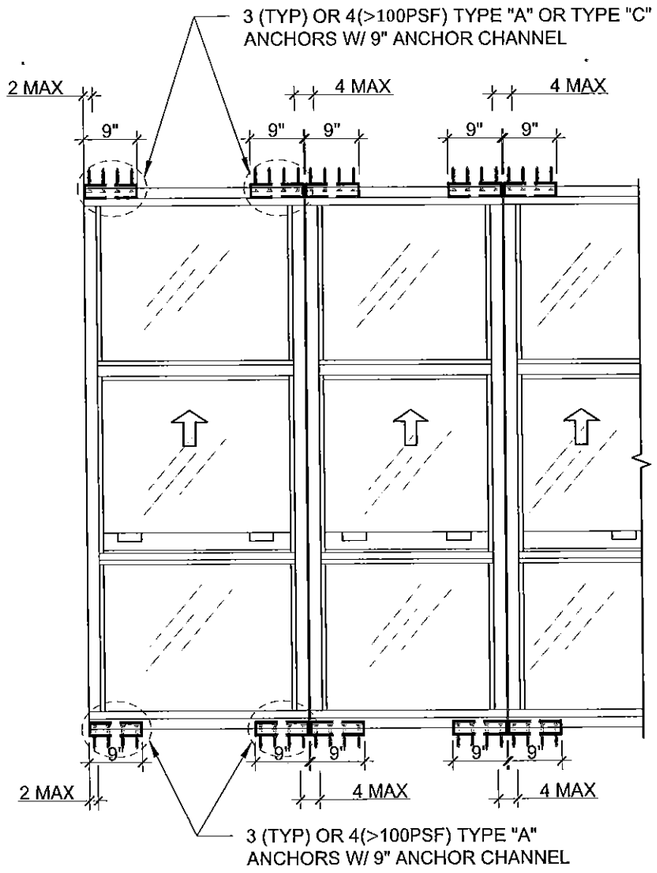
ALUM/STEEL STRUCTURE BY OTHERS, ⅛" MIN THICKNESS

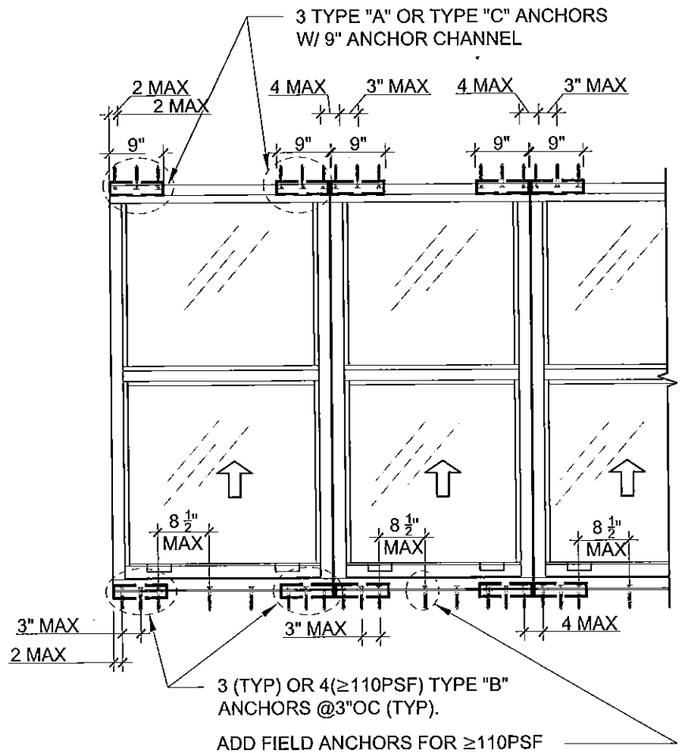
ALUM. CHANNEL SEE SCHEDULE

ALUM. HEAD/SILL SEE SCHEDULE

## ANCHOR TYPE "C" DETAIL

SCALE:3"=1'-0"




| ANCHOR TYPE | ANCHOR CAPACITY RECAP |
|---|---|
| A | ¼"ϕ 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"ϕ 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# 14-1118.03
Miami Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-8733 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. 14 402
DESIGNED & DRAWN:
SCALE : AS SHOWN

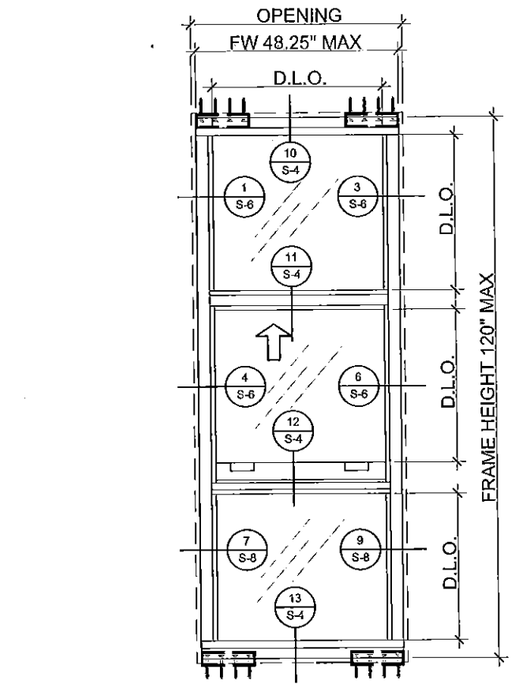
Product: SERIES HS660 ALUM SINGLE HUNG WINDOWS (L.M.I.) R

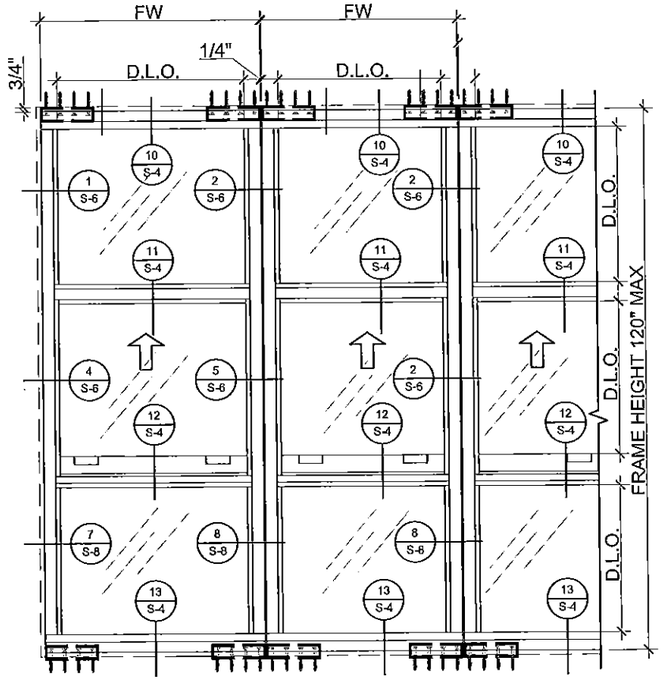
HOME SHOW/CASE
ALUMINUM WINDOWS AND DOORS
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

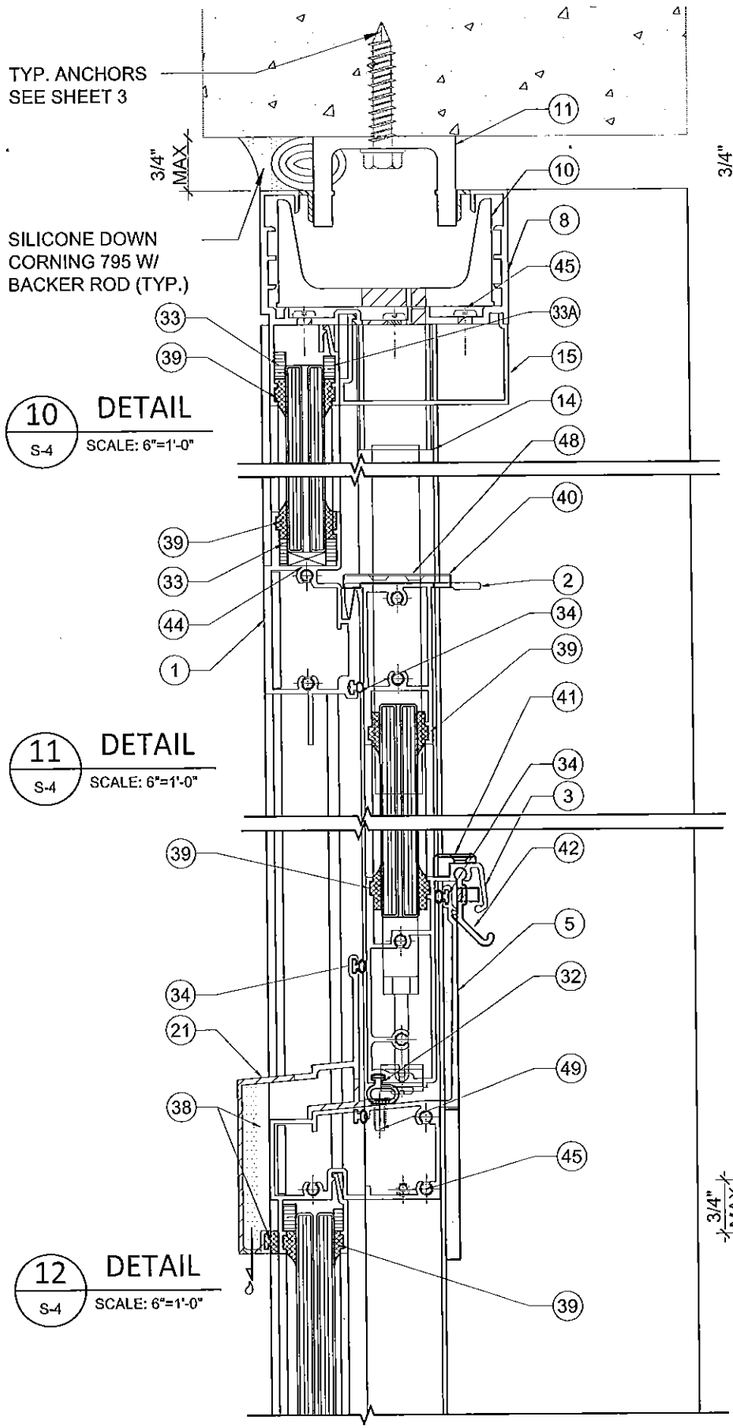
3/27/2015

SHEET: 3 OF 8

## TYPICAL ELEVATION



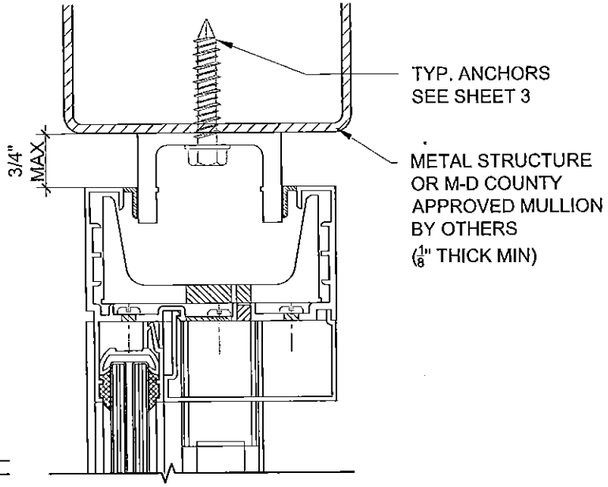




10 S-4 DETAIL
SCALE: 6"=1'-0"

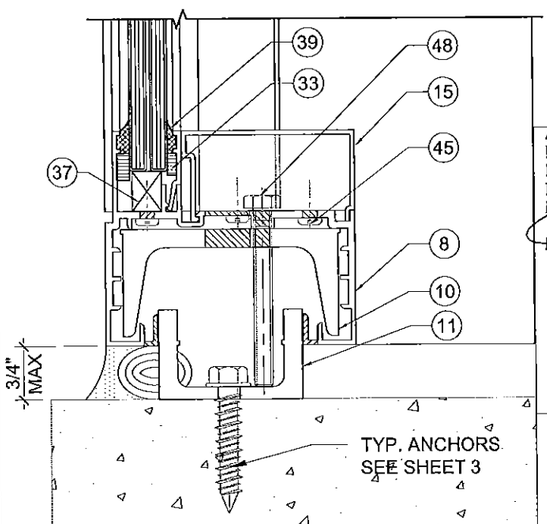
11 S-4 DETAIL
SCALE: 6"=1'-0"

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




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

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




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

Approved as complying with the Florida Building Code
Date 04/08/2015
NOA# 14-1118.03
Miami Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel.: (305) 599-8733 Fax: (305) 599-8676
www.easterneg.com
☐ RAISSA R. LOPEZ, PE (Lic No-59399)
☐ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 26655

REVISIONS
No. | DESCRIPTION | DATE

JOB No. 14 402
DESIGNED & DRAWN:
SCALE : AS SHOWN

SERIES HS660 ALUM SINGLE HUNG WINDOWS (L.M.I.) R

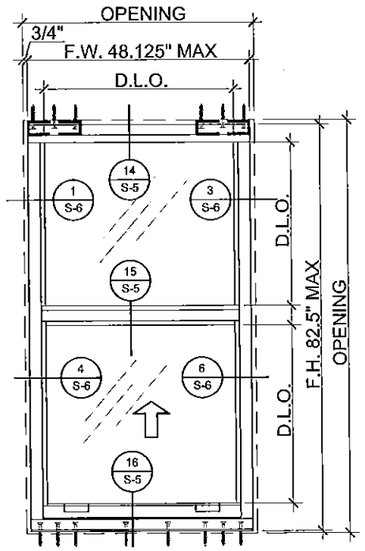
Product: RC HOME SHOWCASE ALUMINUM WINDOWS AND DOORS

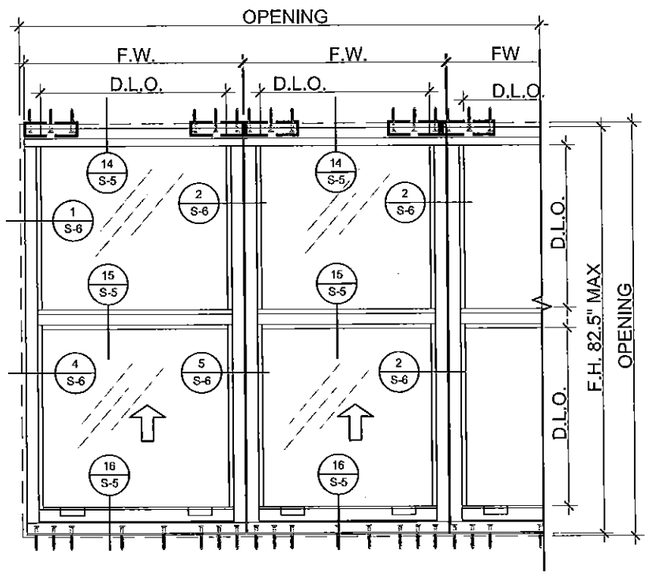
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

3/23/2015

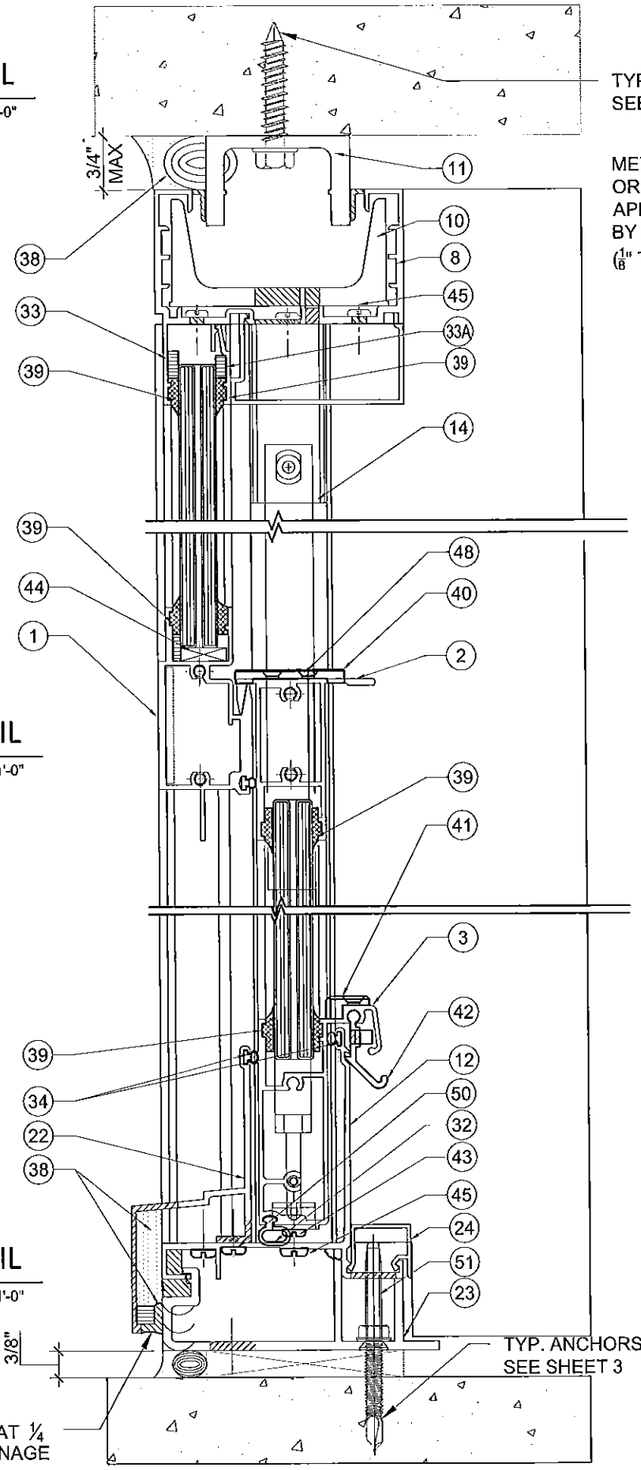
SHEET:
4 OF 8

## TYPICAL ELEVATION



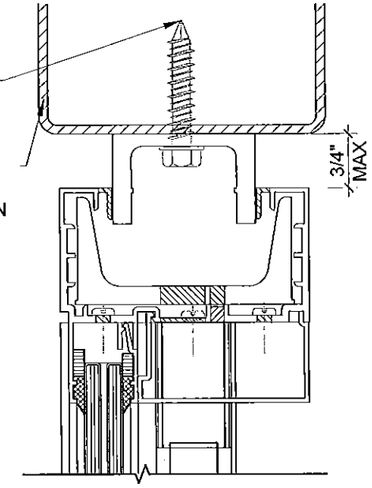




## 14 DETAIL
S-5 SCALE: 6"=1'-0"




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

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




## 14 DETAIL
S-5 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 04/02/2015
NOA# 14-1118.03
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-9153 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. 14 402
DESIGNED & DRAWN:
SCALE : AS SHOWN

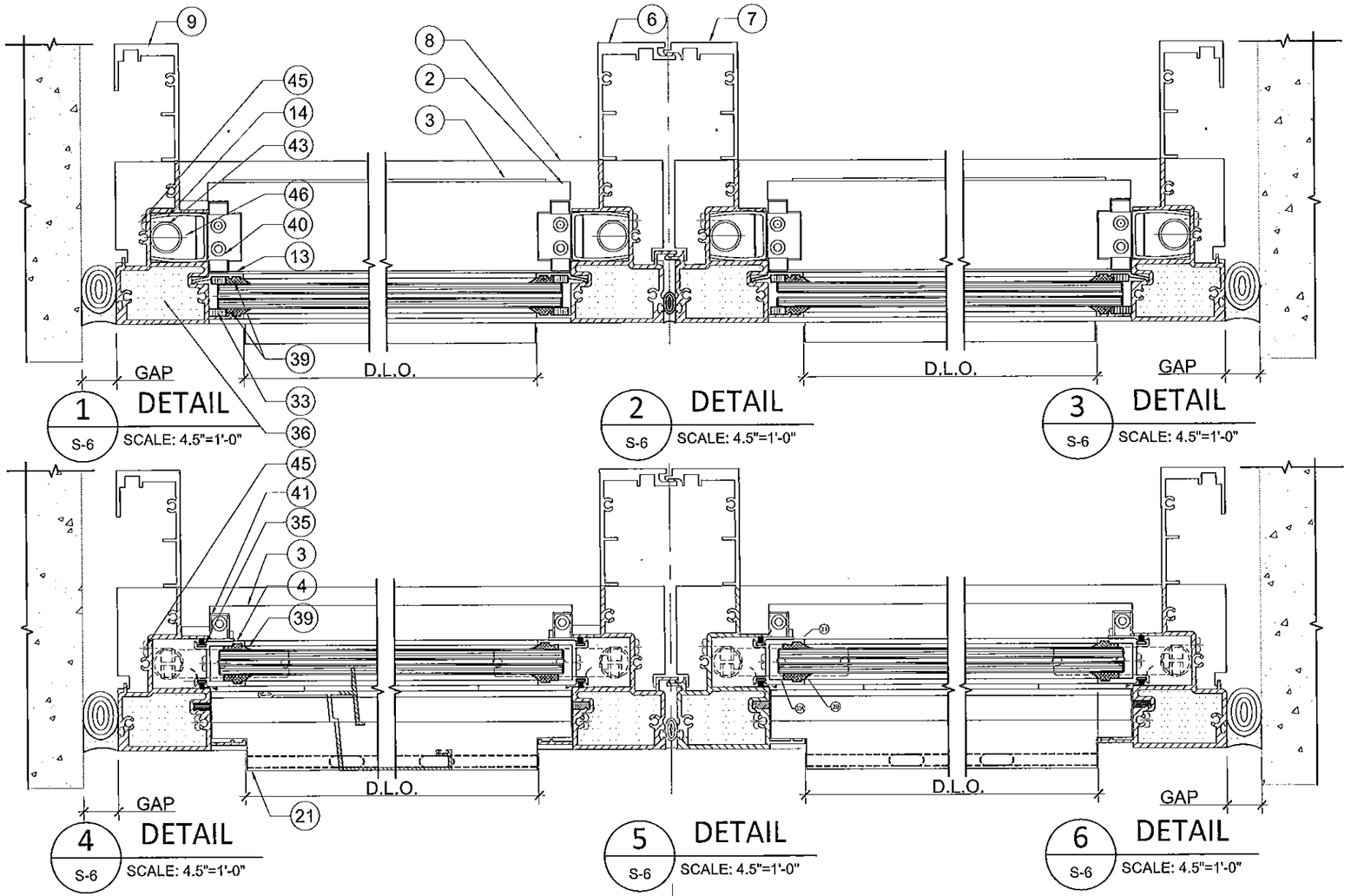
Product: SERIES HS6500 ALUM SINGLE HUNG WINDOWS (L.M.I.) R

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

ARC HOME SHOWCASE
ALUMINUM WINDOWS AND DOORS

3/23/2015

SHEET: 5 OF 8




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

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

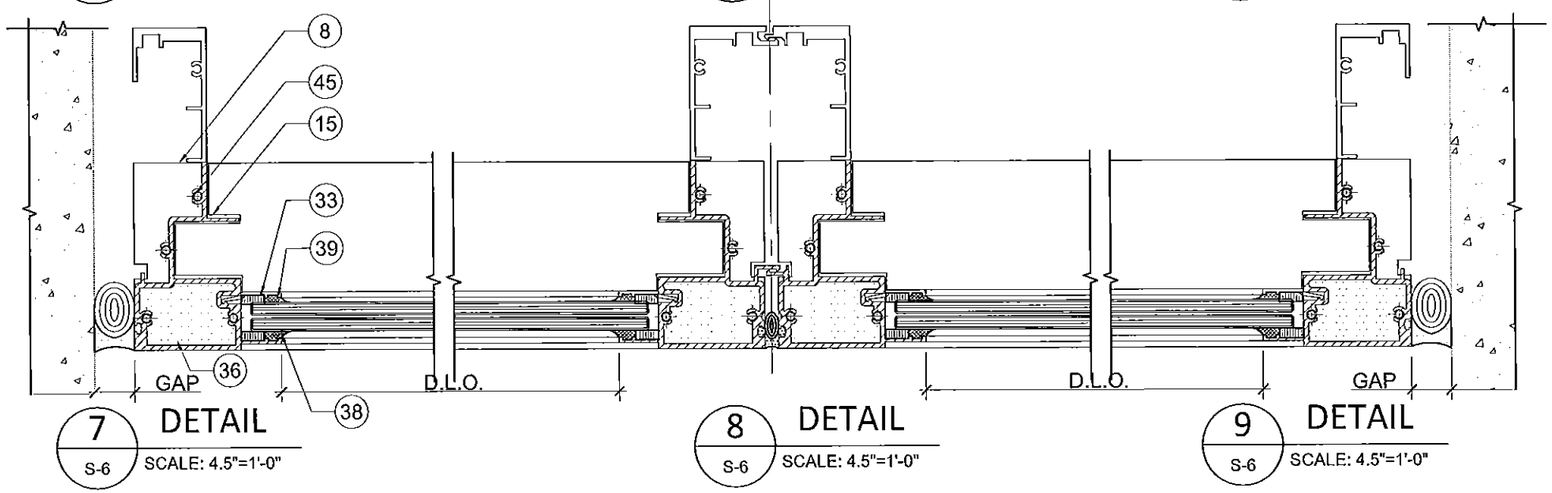
3 DETAIL S-6 SCALE: 4.5"=1'-0"




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

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

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




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

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

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

GAP DIMENSIONS
3/8" MIN FOR UP TO 8'-0" HIGH FRAME
1/2" MIN FOR UP TO 9'-0" HIGH FRAME
3/4" MIN FOR UP TO 10'-0" HIGH FRAME
1" MAX
DEPTH = 3/8" 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 11/02/2015
NOA# 14-1118.03
Miami Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel: (305) 599-9733 Fax: (305) 599-8076
www.easternegg.com
☐ RAISSA R. LOPEZ, PE (Lic No-59399)
☐ GONZALO A. PAZ, PE (Lic No-60734)
CERT. OF AUTHORIZATION No. 28655

REVISIONS

| No. | DESCRIPTION | DATE |
|---|---|---|
| | | |

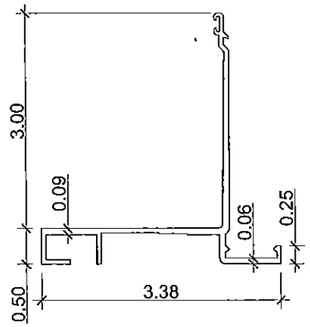
JOB No. 14 402
DESIGNED & DRAWN:
SCALE : AS SHOWN

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

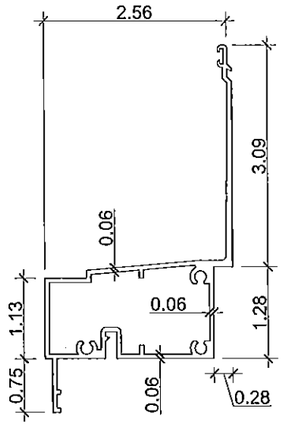
RC HOME SHOWCASE
ALUMINUM WINDOWS AND DOORS
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

3/23/2015

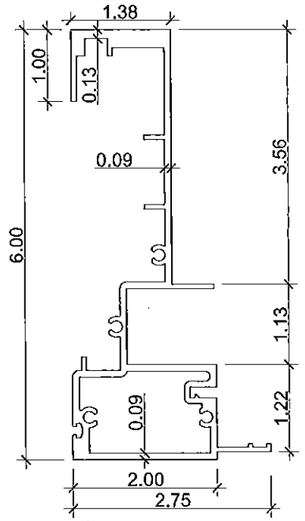
SHEET: 6 OF 8



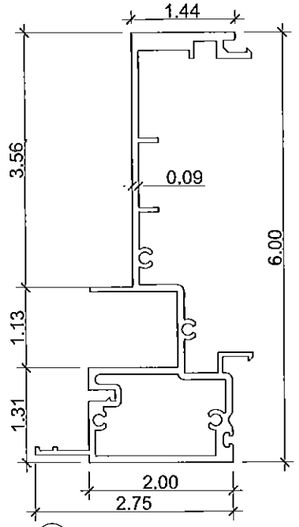

(12) FRAME SILL



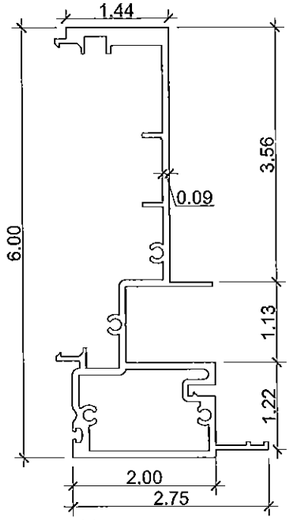

(5) SILL MTG. RAIL W/ FIXED BOTTOM



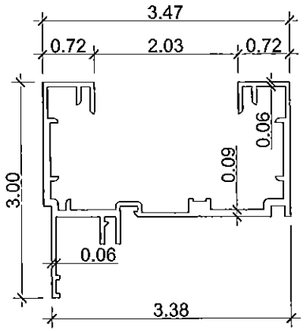

(9) FRAME JAMB



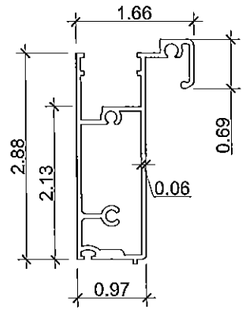

(6) MALE MULLION



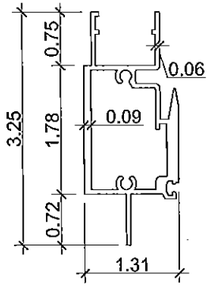

(7) FEMALE MULLION



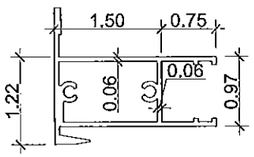

(8) FRAME HEAD/SILL



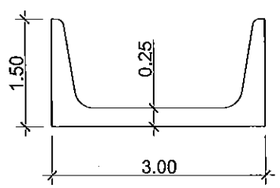

(3) VENT BOTTOM RAIL



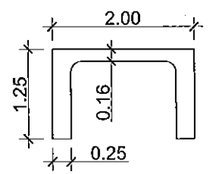

(1) MEETING RAIL



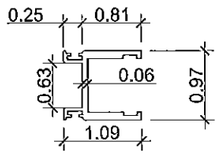

(2) VENT TOP RAIL



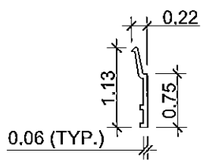

(12) REINFORCING CHANNEL




(11) ANCHOR CHANNEL




(4) VENT SIDE RAIL




(13) GLAZING BEAD

Approved as complying with the Florida Building Code
Date 04/20/2015
NOA# 14-1118.03
Miami Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel. (305) 599-9133 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 |
|---|---|---|
| | | |

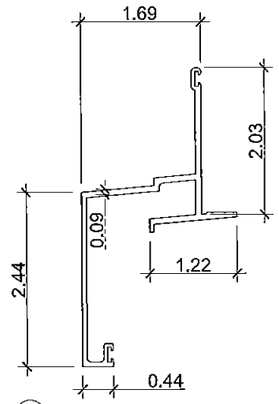
JOB No. 14 402
DESIGNED & DRAWN:
SCALE : AS SHOWN

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

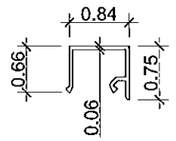
RC HOME SHOWCASE
ALUMINUM WINDOWS AND DOORS
16115 NW 52nd Ave.
Miami Gardens, FL 33014
Phone: (305) 392 - 6214
Fax: (305) 260 - 6432

3/25/2015

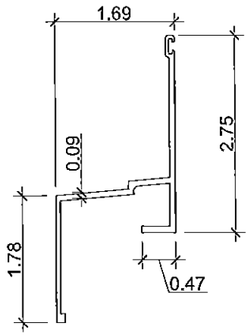
SHEET: 7 OF 8



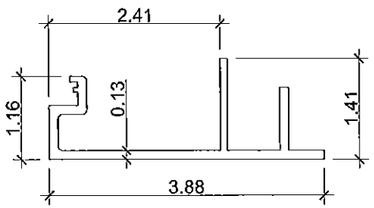

(21) MTG SILL ADAPTOR



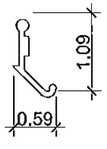

(24) TRACK COVER



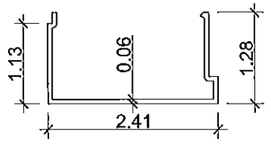

(22) MTG SILL ADAPTOR FOR 2 PANELS




(23) SILL ADAPTOR

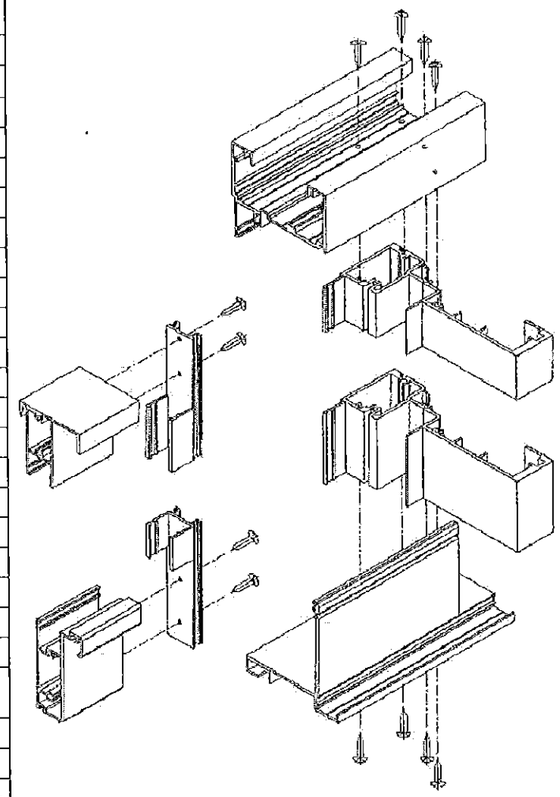



(42) VENT LATCH




(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" X9" | 6005 T5 | AT FRAME |
| 11 | SH660-011 | STRUCTURAL CHANNEL 2" X 1.125" X9" | 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 | | |
| 30 | VO51 | MARINE GLAZE VINYL(L.M.I.) | PVC | AT SASH & F. |
| 32 | VO32 | BULB VINYL AT VENT SILL | EPDM | SASH VENT |
| 33 | TAPE | 3/16" X 3/8" FOAM TAPE SINGLE FACE. | FOAM | SASH VENT & F. |
| 33A | TAPE | 1/8" X 3/8" FOAM TAPE SINGLE FACE. L.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 (MIN GRADE 5) | | |
| 45 | | #10X1" LG. SMS PH 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

Approved as complying with the Florida Building Code
Date 04/03/2015
NOA# 14-1118.03
Miami-Dade Product Control
By

EASTERN ENGINEERING GROUP
3401 NW 82 AVE SUITE 370 Miami, Florida 33122
Tel: (305) 599-9133 Fax: (305) 599-8675
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. 14 402

DESIGNED & DRAWN:

SCALE : AS SHOWN

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

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

3/23/2015

SHEET: 8 OF 8